Alabama Cancer Statistics 2021

A sourcebook of cancer data for cancer prevention and control activities in Alabama

ALABAMA PUBLIC HEALTH

ASCR
Alabama Statewide Cancer Registry

July 29, 2021

Dear Colleagues:

I am pleased to present the annual *Alabama Cancer Statistics* report produced by the Alabama Statewide Cancer Registry.

Cancer is the second leading cause of death in Alabama, exceeded only by heart disease. Breast, colorectal, lung, and prostate cancers are the most commonly diagnosed cancers, accounting for more than 47 percent of all new cases in Alabama; however, more Alabamians die from lung cancer than from breast, colorectal, and prostate cancers combined. Eliminating tobacco use, one of the single most preventable causes of disease, and eliminating exposure to second-hand smoke could greatly reduce the incidence and mortality not only for lung cancer but many other cancers as well. For some cancers such as breast, cervical, and colorectal, there are established, effective screening tests, which can diagnose these cancers at an early stage, when treatment is more effective and survival is more likely. Additionally, engaging in healthy lifestyle habits, such as being physically active and consuming a healthy diet, can also contribute to cancer prevention efforts.

It is my hope that the information presented in this report will assist the partners, agencies, and organizations involved in cancer prevention efforts throughout the state as we continue to work toward reducing Alabama's cancer burden.

Sincerely,

Scott Harris, M.D., M.P.H.
State Health Officer

SH/JTG

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Cancer: Basic Facts

What Is Cancer?

Cancer is a group of diseases characterized by the uncontrolled growth and spread of abnormal cells that can result in death if not treated. Although the causes of cancer are not completely understood, numerous factors are known to increase risk, including many that are potentially modifiable (e.g., tobacco use and excess body weight) and those that are not (e.g., inherited genetic mutations). These risk factors may act simultaneously or in sequence to initiate and/or promote cancer growth.[1]

Can Cancer Be Prevented?

A substantial proportion of cancers could be prevented, including all cancers caused by tobacco use and other unhealthy behaviors. Excluding non-melanoma skin cancer, at least 42% of newly diagnosed cancers in the US – about 797,000 cases in 2021 – are potentially avoidable, including the 19% of cancers caused by smoking and the 18% caused by a combination of excess body weight, alcohol consumption, poor nutrition and physical inactivity. Certain cancers caused by infectious agents, such as human papillomavirus (HPV), hepatitis B virus (HBV), hepatitis C virus (HCV), and *Helicobacter pylori* (*H. pylori*), could be prevented through behavioral changes or vaccination to avoid the infection, or by treating the infection. Many of the more than 5 million skin cancer cases that are diagnosed annually could be prevented by protecting skin from excessive sun exposure and not using indoor tanning devices.[1]

Screening can help prevent colorectal and cervical cancers by detecting and removing precancerous lesions in the colon, rectum, and uterine cervix. Screening can also detect these and some cancers early, when treatment is often less intensive and more successful. Screening is known to help reduce mortality for cancers of the breast, colon, rectum, cervix, lung (among people who smoke, or used to smoke), and probably prostate. In addition, being aware of changes in the body, such as the breast, skin, mouth, eyes, or genitalia, and bringing these to the attention of a health care professional may also result in the early detection of cancer.[1]

Who Is at Risk of Developing Cancer?

The risk of developing cancer increases with advancing age; 80% of all cancers in the United States are diagnosed in people 55 years of age or older. Certain behaviors also increase risk, such as smoking, having excess body weight, drinking alcohol, and having an unhealthy diet. In the US, approximately 41 out of 100 men and 39 out of 100 women will develop cancer during their lifetime. However, these probabilities are estimated based on cancer occurrence in the general population and may differ because of variations in individual exposures (e.g., smoking), family history, and/or genetic susceptibility.[1]

A family history of cancer is thought to primarily reflect inheritance of genetic variations that confer slight-to-moderate increased risk in concert with similar exposures to lifestyle/environmental risk factors among family members. Inheritance of genetic alterations that confer a very high risk occurs much less frequently.[1]

Relative risk is the strength of the relationship between exposure to a given risk factor and cancer. It is measured by comparing the rate of cancer in a group of people with a certain exposure or trait to the rate in a group of people without this characteristic. For example, men and women who smoke are about 25 times more likely to develop lung cancer than people who never smoked, so the relative risk of lung cancer among people who smoke is 25. Most relative risks are not this large; for example, the relative risk of breast cancer among women who have a mother, sister, or daughter with a history of breast cancer is about 2. However, even exposures associated with a relatively small excess risk can have a large influence on the number of cancers diagnosed in the population if they are common, e.g., excess body weight.[1]

How Many New Cancer Cases Are Expected to Occur in 2021 in Alabama?

In Alabama, approximately 30,830 new cancer cases are expected to be diagnosed in 2021, which translates to slightly more than 84 people per day.[1]

| Estimated Number* of New Cancer Cases for Selected Cancer Sites, Alabama, 2021 ||
Site	New Cases
All Sites	30,830
Female Breast	4,460
Uterine Cervix	250
Colon & Rectum	2,470
Uterine Corpus	820
Leukemia	870
Lung & Bronchus	4,520
Melanoma	1,590
Non-Hodgkin Lymphoma	1,080
Prostate	4,020
Urinary Bladder	1,300

*Rounded to the nearest 10. Excludes basal and squamous cell skin cancers and *in situ* carcinomas except urinary bladder.

Source: American Cancer Society. *Cancer Facts & Figures 2021*. Atlanta: American Cancer Society.

How Many People Are Expected to Die of Cancer in 2021 in Alabama?

In Alabama, 10,590 people are expected to die of cancer in 2021. Lung cancer will account for 2,860 deaths, more than 27 percent of all estimated cancer deaths in the state.[1]

Estimated Number* of Cancer Deaths for Selected Cancer Sites, Alabama, 2021

Site	Deaths
All Sites	10,590
Brain/Nervous System	310
Female Breast	720
Colon & Rectum	920
Leukemia	350
Liver	470
Lung & Bronchus	2,860
Non-Hodgkin Lymphoma	270
Ovary	220
Pancreas	820
Prostate	480

*Rounded to the nearest 10.

Source: American Cancer Society. *Cancer Facts & Figures 2021*. Atlanta: American Cancer Society.

Figure 1. All Sites Cancer Incidence and Mortality Rates,* by Sex and Race, Alabama
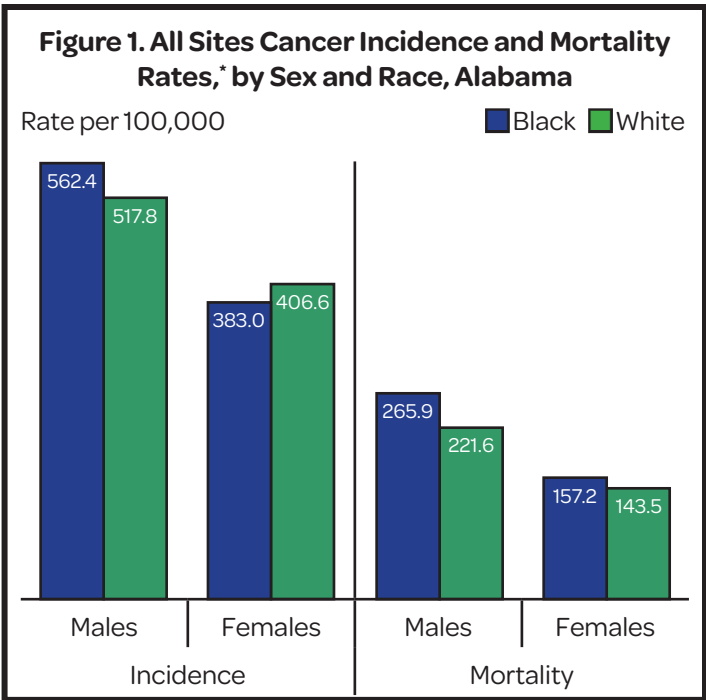
*Malignant only, with the exception of *in situ* bladder cancer, per 100,000 and age-adjusted to the 2000 US standard population.

Source: Alabama Statewide Cancer Registry, 2021. Cancer Incidence (2014-2018), Cancer Mortality (2009-2018).

All Cancers

Incidence Rates

For both genders combined, Alabama's cancer incidence rate is 456.4 – significantly higher than the US rate of 451.9.[2,3] (See Table 11, page 24.) Males in the state have a significantly higher cancer incidence rate than females, with a rate of 532.6 versus 401.3.[2] Among males, black males have a significantly higher cancer incidence rate than white males, with a rate of 562.4 versus 517.8.[2] Among females, white females have a significantly higher cancer incidence rate than black females, with a rate of 406.6 versus 383.0.[2] (See Figure 1 and Table 11, page 24.)

Mortality Rates

For both genders combined, Alabama's cancer mortality rate is 180.2 – significantly higher than the US rate of 161.7.[2,4] Males in the state have a significantly higher cancer mortality rate than females, with a rate of 228.3 versus 145.9.[2] Among males, black males have a significantly higher cancer mortality rate than white males, with a rate of 265.9 versus 221.6.[2] Among females, black females have a significantly higher cancer mortality rate than white females, with a rate of 157.2 versus 143.5.[2] (See Figure 1 and Table 12, page 25.)

Trends

Between 2014 and 2018, the percentage change of cancer incidence for all sites in Alabama had an overall decrease of 0.7 percent; the annual percentage change during this time

Figure 2. Trends in Cancer Incidence Rates,* All Sites, Males and Females, Alabama, 2014–2018

*Malignant only with the exception of in situ bladder cancer, per 100,000 and age-adjusted to the 2000 US standard population.

Source: Alabama Statewide Cancer Registry, 2021

was -0.3 percent.[2] The trend in cancer incidence rates was not found to be statistically significant. (See Figure 2 and Table 2, page 13.)

Between 2014 and 2018, the percentage change of cancer mortality for all sites cancer in Alabama had an overall decrease of 4.3 percent; the annual percentage change during this time was -1.2 percent.[2] The decrease in cancer mortality was found to be statistically significant. (See Figure 3 and Table 10, page 23.)

Figure 3. Trends in Cancer Mortality Rates,* All Sites, Males and Females, Alabama, 2014–2018
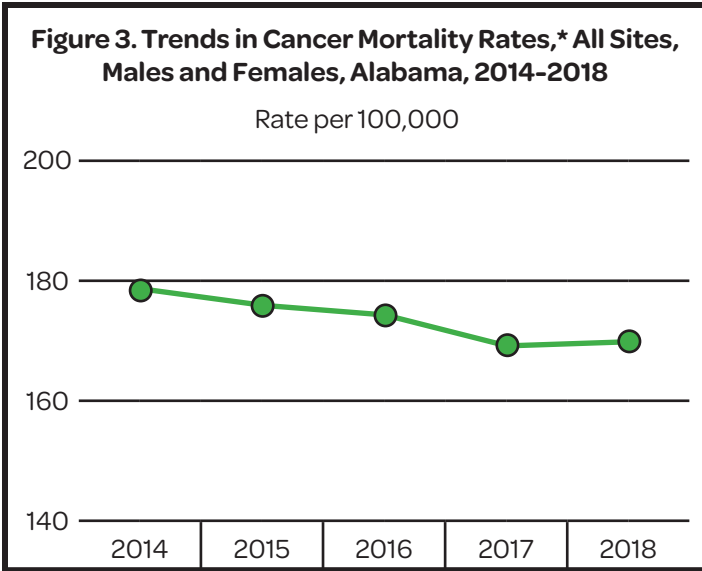
Rate per 100,000

*Per 100,000, age-adjusted to the 2000 US standard population.
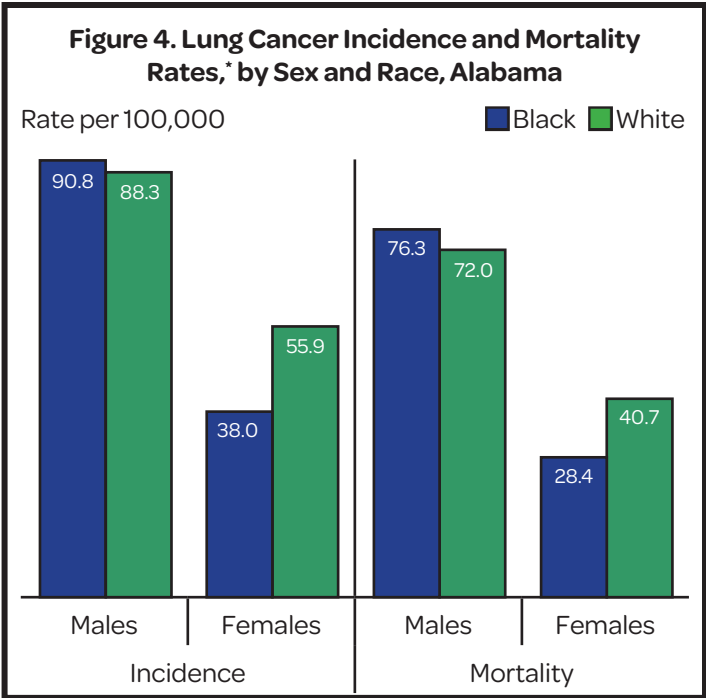
Source: Alabama Statewide Cancer Registry, 2021.

Selected Cancers

Lung Cancer

2021 Estimates
In 2021, an estimated 4,520 new cases of lung and bronchus cancer and approximately 2,860 deaths from lung and bronchus cancer are expected to occur in Alabama.[1]

Incidence Rates
For both genders combined, the lung cancer incidence rate in Alabama is 67.5 – significantly higher than the US rate of 54.4.[2,3] (See Table 11, page 24.) Males in the state have a significantly higher lung cancer incidence rate than females, with a rate of 88.5 versus 51.6.[2] Among males in Alabama, black males have a higher lung cancer incidence rate than white males, with a rate of 90.8 versus 88.3.[2] Among females in in the state, white females have a significantly higher lung cancer incidence rate than black females, with a rate of 55.9 versus 38.0.[2] (See Figure 4 and Table 11, page 24.)

Mortality Rates
For both genders combined, the lung cancer mortality rate in Alabama is 52.6 – significantly higher than the US rate of 41.9.[2,4] Males in the state have a significantly higher lung cancer mortality rate than females, with a rate of 72.3 versus 37.8.[2] Among males in Alabama, black males have a significantly higher lung cancer mortality rate than white males, with a rate of 76.3 versus 72.0.[2] Among females in the state, white females have a significantly higher lung cancer mortality rate than black females, with a rate of 40.7 versus 28.4.[2] (See Figure 4 and Table 12, page 25.)

Figure 4. Lung Cancer Incidence and Mortality Rates,* by Sex and Race, Alabama

Rate per 100,000

*Malignant only, per 100,000 and age-adjusted to the 2000 US standard population.

Source: Alabama Statewide Cancer Registry, 2021. Cancer Incidence (2014-2018), Cancer Mortality (2009-2018).
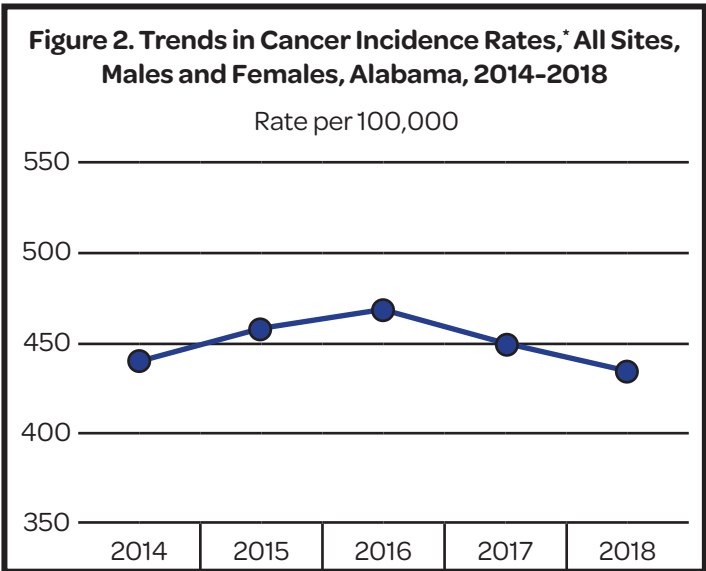
Trends
Between 2014 and 2018, the percentage change for lung cancer incidence in Alabama had an overall decrease of 7.4 percent; the annual percentage change during this time was -1.8 percent.[2] For lung cancer mortality between 2014 and 2018, the percentage change had an overall decrease of 4.3 percent; the annual percentage change during this time was -1.2 percent.[2] The decreases in incidence rates and mortality rates were found to be statistically significant. (See Figure 5 and Table 2, page 13, and Table 10, page 23.)

Figure 5. Trends in Lung Cancer Incidence and Mortality Rates,* Males and Females, Alabama, 2014–2018

Rate per 100,000

*Malignant only, per 100,000 and age-adjusted to the 2000 US standard population.

Source: Alabama Statewide Cancer Registry, 2021.

Colorectal Cancer

2021 Estimates
In 2021, an estimated 2,470 new cases of colorectal cancer and approximately 920 colorectal cancer deaths are expected to occur in Alabama.[1]

Incidence Rates
For both genders combined, the colorectal cancer incidence rate in Alabama is 43.5 – significantly higher than the US rate of 39.5.[2,3] (See Table 11, page 24.) Males in the state have a significantly higher colorectal cancer incidence rate than females, with a rate of 51.0 versus 37.4.[2] Among males in Alabama, black males have a significantly higher colorectal cancer incidence rate than white males, with a rate of 59.8 versus 48.7.[2] Among females in in the state, black females have a significantly higher colorectal cancer incidence rate than white females, with a rate of 43.9 versus 35.4.[2] (See Figure 6 and Table 11, page 24.)

Mortality Rates
For both genders combined, the colorectal cancer mortality rate in Alabama is 16.1 – significantly higher than the US rate of 14.3.[2,4] Males in the state have a significantly higher colorectal cancer mortality rate than females, with a rate of 20.0 versus 13.1.[2] Among males in Alabama, black males have a significantly higher colorectal cancer mortality rate than white males, with a rate of 27.7 versus 18.4.[2] Among females in the state, black females have a significantly higher colorectal cancer mortality rate than white females, with a rate of 17.8 versus 11.9.[2] (See Figure 6 and Table 12, page 25.)

Figure 6. Colorectal Cancer Incidence and Mortality Rates,* by Sex and Race, Alabama

*Malignant only, per 100,000 and age-adjusted to the 2000 US standard population.

Source: Alabama Statewide Cancer Registry, 2021. Cancer Incidence (2014-2018), Cancer Mortality (2009-2018).

Trends
Between 2014 and 2018, the percentage change for colorectal cancer incidence in Alabama had an overall decrease of 9.2 percent; the annual percentage change during this time was -2.1 percent.[2] For colorectal cancer mortality between 2014 and 2018, the percentage change had an overall decrease of 1.7 percent; the annual percentage change during this time was -0.7 percent.[2] The trend in incidence rates was statistically significant. (See Figure 7 and Table 2, page 13, and Table 10, page 23.)
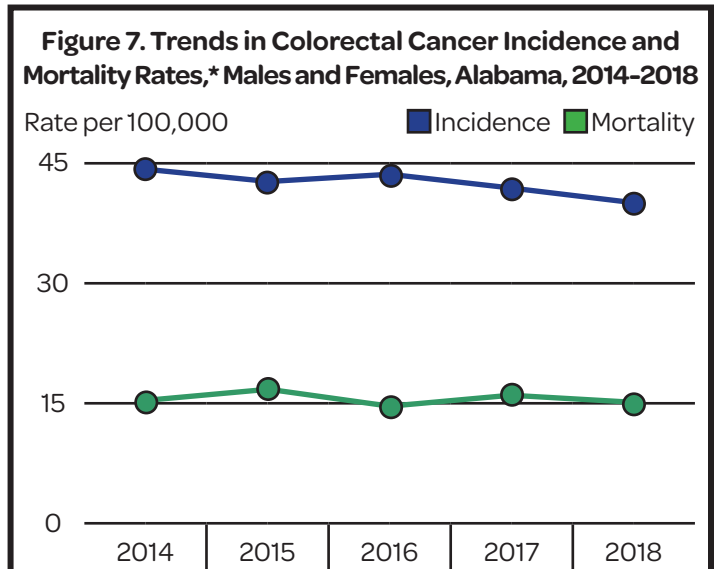
Figure 7. Trends in Colorectal Cancer Incidence and Mortality Rates,* Males and Females, Alabama, 2014–2018

*Malignant only, per 100,000 and age-adjusted to the 2000 US standard population.

Source: Alabama Statewide Cancer Registry, 2021.

Melanoma

2021 Estimate
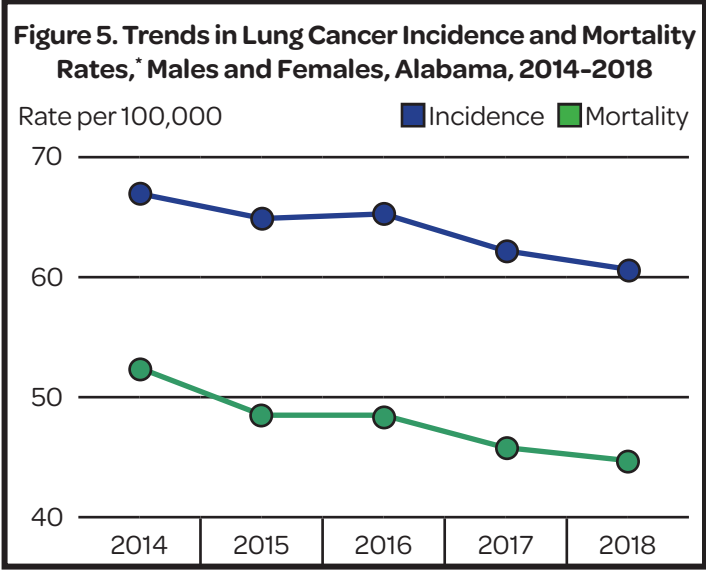In 2021, an estimated 1,590 new cases of melanoma are expected to occur in Alabama.[1]

Incidence Rates
For both genders combined, the melanoma incidence rate in Alabama is 21.9 – significantly lower than the US rate of 23.0.[2,3] (See Table 11, page 24.) Males in the state have a significantly higher melanoma incidence rate than females, with a rate of 28.7 versus 17.2.[2] Among males in Alabama, white males have a significantly higher melanoma incidence rate than black males, with a rate of 35.8 versus 1.0.[2] Among females in the state, white females have a significantly higher melanoma incidence rate than black females, with a rate of 23.1 versus 1.0.[2] (See Figure 8 and Table 11, page 24.)

Mortality Rates
For both genders combined, the melanoma mortality rate in Alabama is 2.6 – roughly the same as the US rate of 2.5.[2,4] Males in the state have a significantly higher melanoma mortality rate than females, with a rate of 4.0 versus 1.6.[2] Among males in Alabama, white males have a significantly
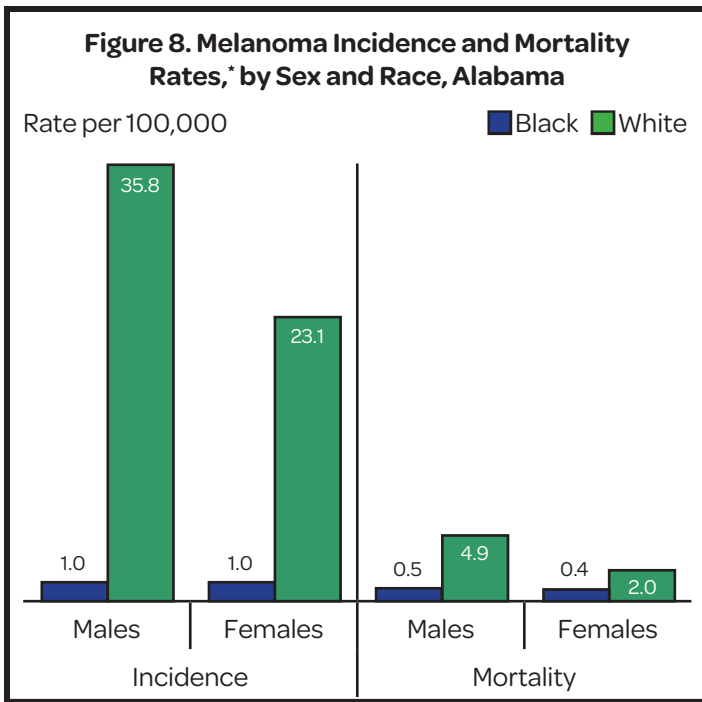
Figure 8. Melanoma Incidence and Mortality Rates,* by Sex and Race, Alabama

Rate per 100,000   ■ Black ■ White

*Malignant only, per 100,000 and age-adjusted to the 2000 US standard population.

Source: Alabama Statewide Cancer Registry, 2021. Cancer Incidence (2014-2018), Cancer Mortality (2009-2018).

higher melanoma mortality rate than black males, with a rate of 4.9 versus 0.5.[2] Among females in the state, white females have a significantly higher melanoma mortality rate than black females, with a rate of 2.0 versus 0.4.[2] (See Figure 8 and Table 12, page 25.)

Trends

Between 2014 and 2018, the percentage change for melanoma incidence in Alabama had an overall increase of 20.9 percent; the annual percentage change during this time was 3.7 percent.[2] For melanoma mortality between 2014 and 2018, the percentage change had an overall decrease of 18.0 percent; the annual percentage change during this

Figure 9. Trends in Melanoma Incidence and Mortality Rates,* Males and Females, Alabama, 2014–2018

Rate per 100,000   ■ Incidence ■ Mortality

*Malignant only, per 100,000 and age-adjusted to the 2000 US standard population.

Source: Alabama Statewide Cancer Registry, 2021.

time was -4.9 percent.[2] The trend in mortality rates was statistically significant. (See Figure 9 and Table 2, page 13, and Table 10, page 23.)

Prostate Cancer

2021 Estimates

In 2021, an estimated 4,020 new cases of prostate cancer and approximately 480 prostate cancer deaths are expected to occur in Alabama.[1]

Incidence Rates

The prostate cancer incidence rate in Alabama is 130.6 – significantly higher than the US rate of 119.0.[2,3] (See Table 11, page 24.) Black males in the state have a significantly higher prostate cancer incidence rate than white males, with a rate of 199.3 versus 107.5.[2] (See Figure 10 and Table 11, page 24.)

Mortality Rates

The prostate cancer mortality rate in Alabama is 22.9 – significantly higher than the US rate of 19.7.[2,4] Black males in the state have a significantly higher prostate cancer mortality rate than white males, with a rate of 47.1 versus 18.1.[2] (See Figure 10 and Table 12, page 25.)
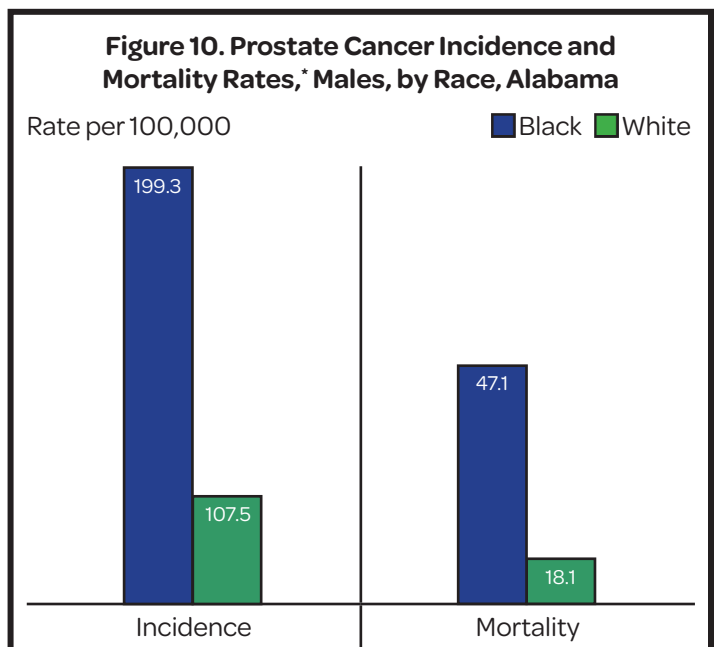
Figure 10. Prostate Cancer Incidence and Mortality Rates,* Males, by Race, Alabama

Rate per 100,000   ■ Black ■ White

*Malignant only, per 100,000 and age-adjusted to the 2000 US standard population.

Source: Alabama Statewide Cancer Registry, 2021. Cancer Incidence (2014-2018), Cancer Mortality (2009-2018).
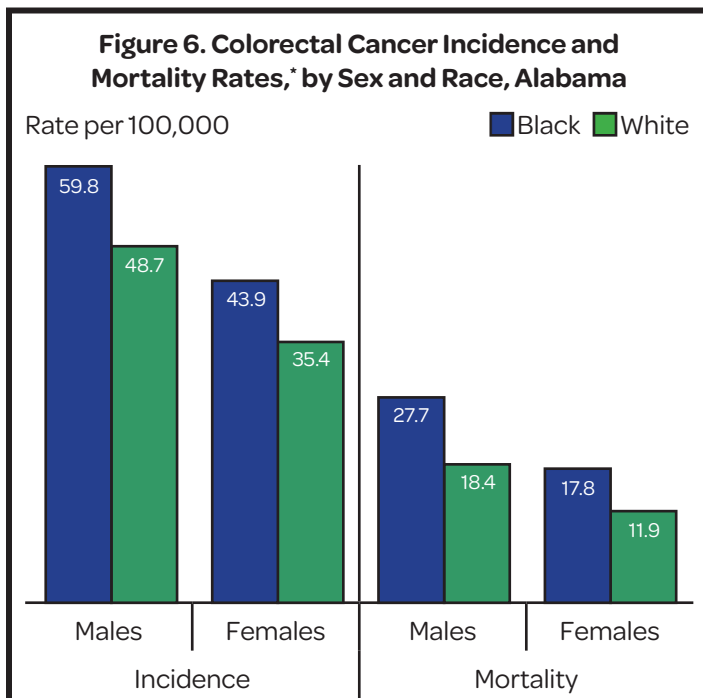
Trends

Between 2014 and 2018, the percentage change for prostate cancer incidence in Alabama had an overall increase of 12.2 percent; the annual percentage change during this time was 3.0 percent. For prostate cancer mortality between 2014 and 2018, the percentage change had an overall decrease of 0.6 percent; the annual percentage change during this time was -1.2 percent. Neither trend was statistically significant.[2] (See Figure 11 and Table 2, page 13, and Table 10, page 23.)
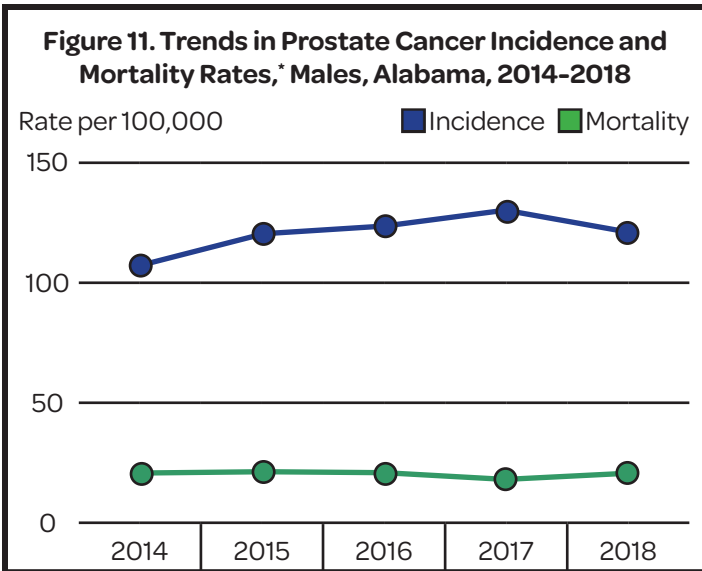
Figure 11. Trends in Prostate Cancer Incidence and Mortality Rates,* Males, Alabama, 2014–2018

Rate per 100,000   ■ Incidence ■ Mortality

*Malignant only, per 100,000 and age-adjusted to the 2000 US standard population.

Source: Alabama Statewide Cancer Registry, 2021.

Breast Cancer

2021 Estimates
In 2021, an estimated 4,460 new cases of female breast cancer and approximately 720 female breast cancer deaths are expected to occur in Alabama.[1]

Incidence Rates
The female breast cancer incidence rate in Alabama is 120.7 – significantly lower than the US rate of 126.7.[2,3] (See Table 11, page 24.) Black females in the state have a significantly higher breast cancer incidence rate than white females, with a rate of 126.5 versus 118.1.[2] (See Figure 12 and Table 11, page 24.)
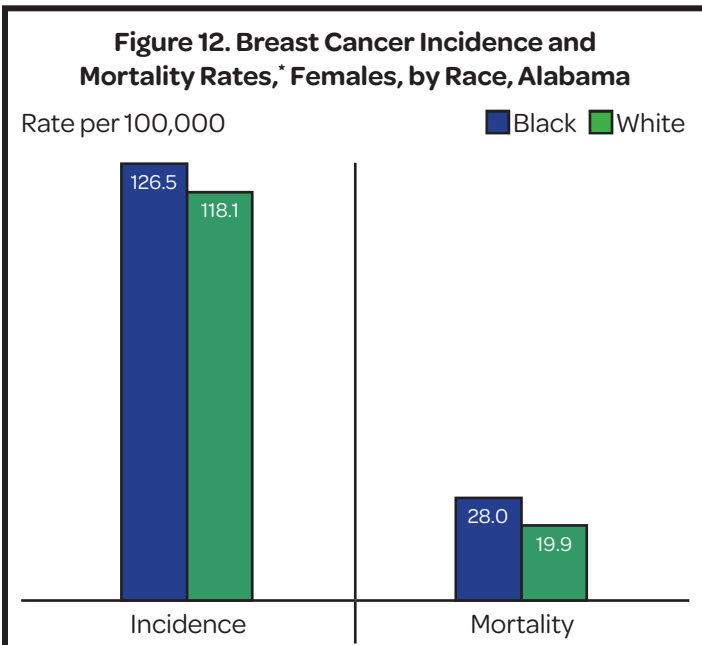
Figure 12. Breast Cancer Incidence and Mortality Rates,* Females, by Race, Alabama

Rate per 100,000   ■ Black ■ White

*Malignant only, per 100,000 and age-adjusted to the 2000 US standard population.

Source: Alabama Statewide Cancer Registry, 2021. Cancer Incidence (2014-2018), Cancer Mortality (2009-2018).

Mortality Rates
The female breast cancer mortality rate in Alabama is 21.8 – significantly higher than the US rate of 20.8.[2,4] However, both white females and black females in Alabama have slightly lower mortality rates than their US counterparts. Black females in the state have a significantly higher breast cancer mortality rate than white females, with a rate of 28.0 versus 19.9.[2] (See Figure 12 and Table 12, page 25.)

Trends
Between 2014 and 2018, breast cancer incidence rates in Alabama were almost constant, with the percentage change having an overall decrease of only 1.8 percent; the annual percentage change during this time was -0.9 percent.[2] For breast cancer mortality between 2014 and 2018, the percentage change had an overall increase of 4.4 percent; the annual percentage change during this time was 0.2 percent.[2] Neither trend was statistically significant. (See Figure 13 and Table 2, page 13, and Table 10, page 23.)
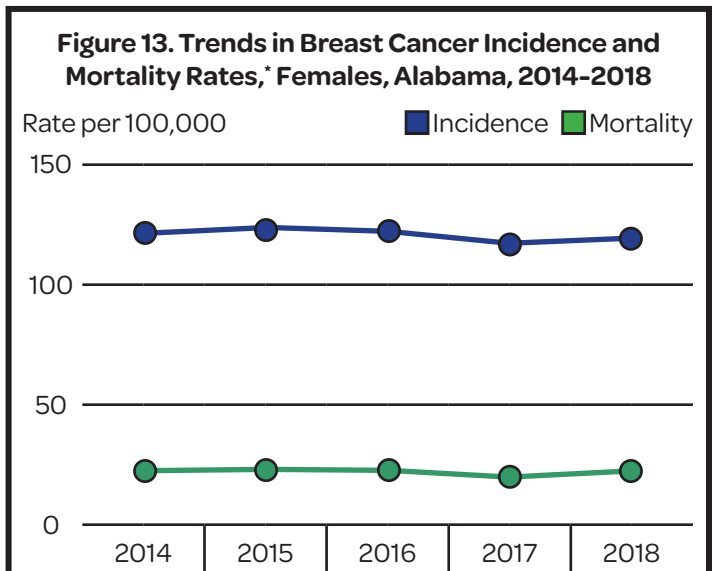
Figure 13. Trends in Breast Cancer Incidence and Mortality Rates,* Females, Alabama, 2014–2018

Rate per 100,000   ■ Incidence ■ Mortality

*Malignant only, per 100,000 and age-adjusted to the 2000 US standard population.

Source: Alabama Statewide Cancer Registry, 2021.

Cervical Cancer

2021 Estimate
In 2021, an estimated 250 new cases of cervical cancer are expected to occur in Alabama.[1]

Incidence Rates
The cervical cancer incidence rate in Alabama is 9.0 – significantly higher than the US rate of 7.5.[2,3] (See Table 11, page 24.) Black females in the state have a significantly higher cervical cancer incidence rate than white females, with a rate of 10.2 versus 8.7.[2] (See Figure 14 and Table 11, page 24.)
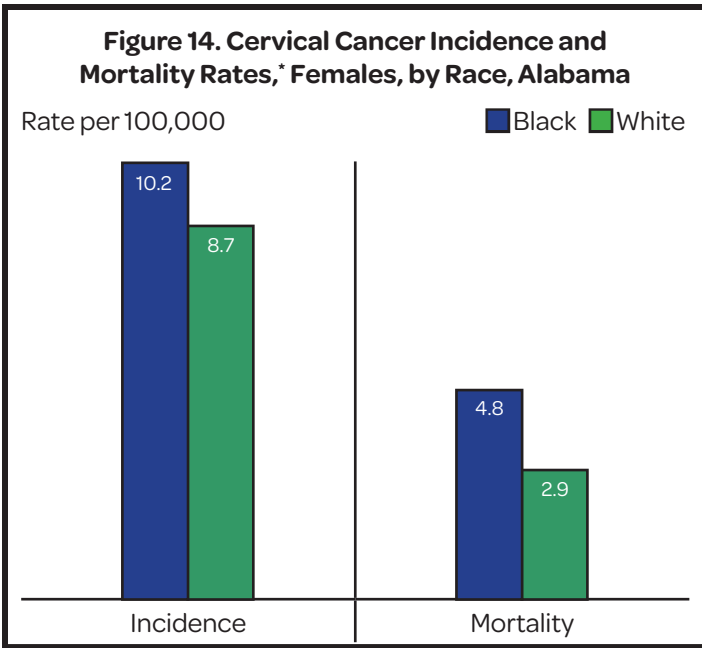
Figure 14. Cervical Cancer Incidence and Mortality Rates,* Females, by Race, Alabama

Rate per 100,000

■ Black ■ White

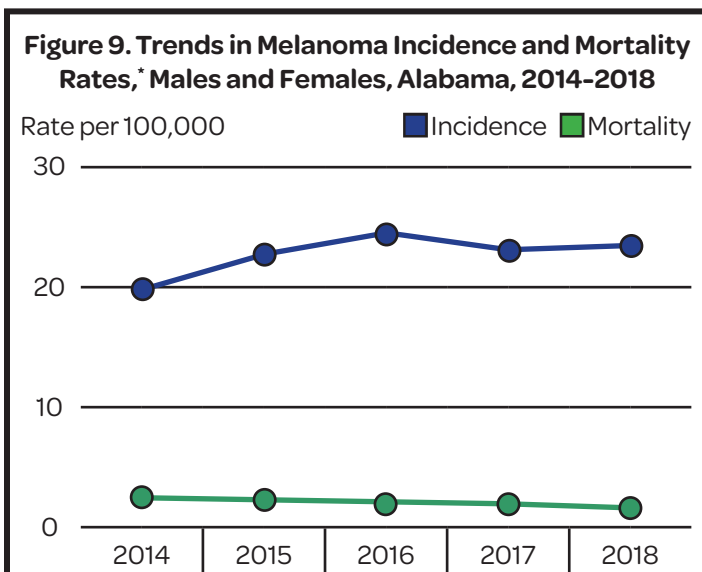|	Incidence	Mortality
Black	10.2	4.8
White	8.7	2.9

*Malignant only, per 100,000 and age-adjusted to the 2000 US standard population.

Source: Alabama Statewide Cancer Registry, 2021. Cancer Incidence (2014-2018), Cancer Mortality (2009-2018).

Figure 15. Trends in Cervical Cancer Incidence and Mortality Rates,* Females, Alabama, 2014–2018

Rate per 100,000

■ Incidence ■ Mortality

*Malignant only, per 100,000 and age-adjusted to the 2000 US standard population.

Source: Alabama Statewide Cancer Registry, 2021.

Mortality Rates

The cervical cancer mortality rate in Alabama is 3.3 – significantly higher than the US rate of 2.3.[2,4] Black females in the state have a significantly higher cervical cancer mortality rate than white females, with a rate of 4.8 versus 2.9.[2] (See Figure 14 and Table 12, page 25.)
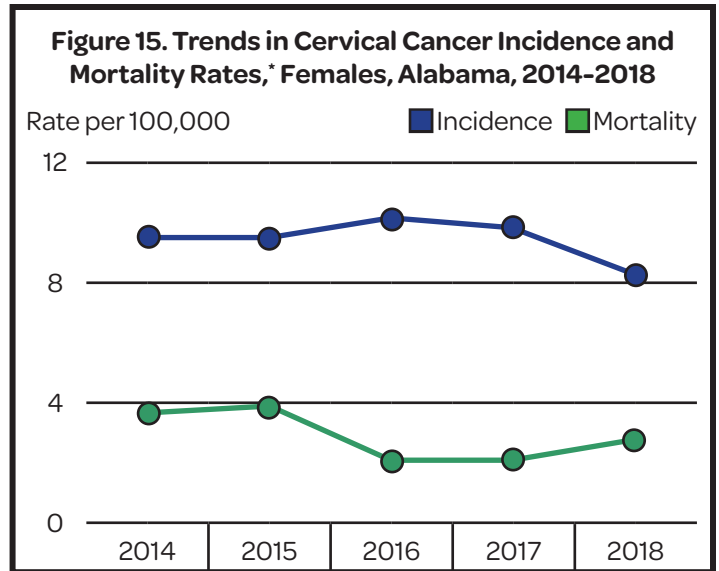
Trends

Between 2014 and 2018, the percentage change for cervical cancer incidence in Alabama had an overall decrease of 11.0 percent, and the annual percentage change during this time was -1.8 percent.[2] For cervical cancer mortality between 2014 and 2018, the percentage change had an overall decrease of 10.1 percent; the annual percentage change during this time was -4.5 percent.[2] Neither trend was statistically significant. (See Figure 15 and Table 2, page 13, and Table 10, page 23.)

Table 1. Alabama Cancer Incidence Rates and Counts, by Site and Sex, 2009–2018 Combined					
Males	**Rate**	**Count**	**Females**	**Rate**	**Count**
All Sites	532.6	139,218	All Sites	401.3	122,729
Oral Cavity and Pharynx	20.0	5,362	Oral Cavity and Pharynx	7.0	2,162
Digestive System	101.7	26,474	Digestive System	67.2	21,112
Esophagus	8.1	2,184	Esophagus	1.7	559
Stomach	8.8	2,242	Stomach	4.9	1,542
Small Intestine	2.9	743	Small Intestine	2.4	717
Colon and Rectum	51.0	13,088	Colon and Rectum	37.4	11,657
Colon excluding Rectum	36.4	9,295	Colon excluding Rectum	28.8	9,022
Rectum	14.5	3,793	Rectum	8.6	2,635
Anus, Anal Canal and Anorectum	1.5	378	Anus, Anal Canal and Anorectum	2.2	679
Liver and Intrahepatic Bile Duct	11.5	3,194	Liver and Intrahepatic Bile Duct	4.0	1,281
Gallbladder	0.7	166	Gallbladder	1.0	331
Pancreas	14.8	3,856	Pancreas	11.2	3,606
Other Digestive Organs	0.4	98	Other Digestive Organs	0.2	77
Respiratory System	97.4	25,601	Respiratory System	53.9	17,495
Larynx	7.7	2,131	Larynx	1.6	508
Lung and Bronchus	88.5	23,159	Lung and Bronchus	51.6	16,783
Bones and Joints	1.2	281	Bones and Joints	0.9	232
Soft Tissue including Heart	4.0	967	Soft Tissue including Heart	3.0	834
Skin (excluding Basal and Squamous)	30.6	7,597	Skin (excluding Basal and Squamous)	18.3	5,224
Melanoma of the Skin	28.7	7,146	Melanoma of the Skin	17.2	4,899
Other Non-Epithelial Skin	1.9	451	Other Non-Epithelial Skin	1.1	325
Breast	1.4	357	Breast	120.7	36,549
Female Genital System	*	*	Female Genital System	44.1	13,174
Cervix Uteri	*	*	Cervix Uteri	9.0	2,301
Corpus and Uterus, NOS	*	*	Corpus and Uterus, NOS	19.5	6,163
Corpus Uteri	*	*	Corpus Uteri	18.5	5,856
Uterus, NOS	*	*	Uterus, NOS	1.0	307
Ovary	*	*	Ovary	11.4	3,463
Vagina	*	*	Vagina	0.8	241
Vulva	*	*	Vulva	2.8	830
Other Female Genital Organs	*	*	Other Female Genital Organs	0.6	176
Male Genital System	136.2	37,487	Male Genital System	*	*
Prostate	130.6	36,219	Prostate	*	*
Testis	4.4	979	Testis	*	*
Penis	1.0	241	Penis	*	*
Other Male Genital Organs	0.2	48	Other Male Genital Organs	*	*
Urinary System	57.4	14,538	Urinary System	20.6	6,466
Urinary Bladder	32.8	8,098	Urinary Bladder	7.6	2,447
Kidney and Renal Pelvis	23.5	6,156	Kidney and Renal Pelvis	12.5	3,856
Ureter	0.9	209	Ureter	0.4	117
Other Urinary Organs	0.3	75	Other Urinary Organs	0.1	46
Eye and Orbit	1.2	298	Eye and Orbit	0.7	214
Brain and Other Nervous System	7.7	1,928	Brain and Other Nervous System	5.6	1,597
Endocrine System	5.7	1,434	Endocrine System	14.3	3,793
Thyroid	4.9	1,230	Thyroid	13.5	3,579
Other Endocrine including Thymus	0.8	204	Other Endocrine including Thymus	0.8	214
Lymphoma	22.4	5,583	Lymphoma	15.5	4,689
Hodgkin Lymphoma	2.7	645	Hodgkin Lymphoma	2.0	514
Non-Hodgkin Lymphoma	19.7	4,938	Non-Hodgkin Lymphoma	13.4	4,175
Myeloma	8.4	2,179	Myeloma	5.8	1,857
Leukemia	16.0	3,907	Leukemia	10.0	2,986
Lymphocytic Leukemia	7.6	1,868	Lymphocytic Leukemia	4.2	1,275
Acute Lymphocytic Leukemia	1.6	372	Acute Lymphocytic Leukemia	1.1	266
Chronic Lymphocytic Leukemia	5.3	1,337	Chronic Lymphocytic Leukemia	2.9	933
Myeloid and Monocytic Leukemia	7.1	1,731	Myeloid and Monocytic Leukemia	4.9	1,435
Acute Myeloid Leukemia	4.6	1,131	Acute Myeloid Leukemia	3.1	929
Chronic Myeloid Leukemia	1.9	478	Chronic Myeloid Leukemia	1.4	404
Other Leukemia	1.4	308	Other Leukemia	0.9	276
Miscellaneous	1.4	335	Miscellaneous	0.3	92

Rates are per 100,000 and age-adjusted to the 2000 US (19 age groups) standard.
Rates and counts are for malignant cases only with the exception of urinary bladder and groups that contain urinary bladder.
*Statistic not displayed because it is not applicable.

Source: Alabama Statewide Cancer Registry (ASCR), 2021. Data Years: 2009–2018.

Table 2. Trends in Alabama Cancer Incidence Rates, Selected Sites, 2014–2018

Females

Breast	P-Value	0.223			Cervix	P-Value	0.489		
	Rate/Trend	Std. Error	Lower CI	Upper CI		Rate/Trend	Std. Error	Lower CI	Upper CI
Total PC	-1.8				Total PC	-11.0			
Total APC	-0.9		-2.8	1.0	Total APC	-1.8		-8.7	5.6
2014 Rate	122.1	2.1	118.1	126.2	2014 Rate	9.4	0.6	8.2	10.7
2015 Rate	124.6	2.1	120.5	128.7	2015 Rate	9.4	0.6	8.2	10.7
2016 Rate	122.9	2.1	118.9	127.0	2016 Rate	10.0	0.7	8.8	11.4
2017 Rate	117.7	2.0	113.8	121.7	2017 Rate	9.7	0.6	8.5	11.1
2018 Rate	119.9	2.0	115.9	123.9	2018 Rate	8.3	0.6	7.2	9.6

Males / Males and Females

Prostate	P-Value	0.193			All Sites	P-Value	0.712		
	Rate/Trend	Std. Error	Lower CI	Upper CI		Rate/Trend	Std. Error	Lower CI	Upper CI
Total PC	12.2				Total PC	-0.7			
Total APC	3.0		-2.6	8.8	Total APC	-0.3		-2.4	1.9
2014 Rate	109.1	2.0	105.2	113.1	2014 Rate	444.5	2.8	438.9	450.1
2015 Rate	121.6	2.1	117.5	125.8	2015 Rate	456.0	2.9	450.5	461.7
2016 Rate	124.7	2.1	120.6	129.0	2016 Rate	462.6	2.9	457.1	468.3
2017 Rate	131.1	2.1	126.9	135.4	2017 Rate	450.9	2.8	445.4	456.4
2018 Rate	122.4	2.0	118.4	126.5	2018 Rate	441.2	2.8	435.8	446.6

Males and Females

Colorectal	P-Value	0.045			Lung	P-Value	0.012		
	Rate/Trend	Std. Error	Lower CI	Upper CI		Rate/Trend	Std. Error	Lower CI	Upper CI
Total PC	-9.2				Total PC	-7.4			
Total APC	-2.1*		-4.0	-0.1	Total APC	-1.8*		-2.9	-0.8
2014 Rate	44.6	0.9	42.9	46.4	2014 Rate	66.0	1.1	63.9	68.1
2015 Rate	43.1	0.9	41.4	44.9	2015 Rate	64.4	1.0	62.4	66.5
2016 Rate	44.0	0.9	42.3	45.8	2016 Rate	64.7	1.0	62.7	66.8
2017 Rate	42.3	0.9	40.7	44.1	2017 Rate	62.3	1.0	60.4	64.4
2018 Rate	40.5	0.8	38.9	42.2	2018 Rate	61.1	1.0	59.2	63.1

Melanoma	P-Value	0.224			Oral	P-Value	0.275		
	Rate/Trend	Std. Error	Lower CI	Upper CI		Rate/Trend	Std. Error	Lower CI	Upper CI
Total PC	20.9				Total PC	-11.1			
Total APC	3.7		-3.9	12.0	Total APC	-2.5		-8.3	3.6
2014 Rate	19.3	0.6	18.2	20.6	2014 Rate	13.0	0.5	12.1	14.0
2015 Rate	22.6	0.7	21.4	23.9	2015 Rate	13.4	0.5	12.4	14.3
2016 Rate	24.6	0.7	23.3	25.9	2016 Rate	13.8	0.5	12.8	14.8
2017 Rate	23.0	0.6	21.8	24.3	2017 Rate	13.0	0.5	12.1	13.9
2018 Rate	23.4	0.7	22.1	24.7	2018 Rate	11.6	0.4	10.7	12.5

Rates are per 100,000 and age-adjusted to the 2000 US (19 age groups) standard; Confidence intervals are 95% for rates and trends.

Rates are for malignant cases only, with the exception of All Sites, which includes bladder cancer *in situ.*

Percent changes (PC) were calculated using 1 year for each end point; APCs were calculated using the weighted least squares method.

*The Annual Percentage Change (APC) is significantly different from zero (p<0.05).

Source: Alabama Statewide Cancer Registry (ASCR), 2021. Data Years: 2014-2018.

Table 3. Alabama Cancer Incidence Rates and Counts, by County, Males and Females, All Races, 2009-2018 Combined									
	All Sites		Lung		Colorectal		Oral		Melanoma	
	Rate	Count	Rate	Count	Rate	Count	Rate	Count	Rate	Count
Alabama	456.4	261,947	67.5	39,942	43.5	24,745	13.0	7,524	21.9	12,045
Autauga	488.6	2,972	71.0	437	49.3	296	12.0	74	28.0	168
Baldwin	457.3	12,147	67.2	1,887	40.2	1,055	14.2	385	34.4	860
Barbour	456.5	1,540	68.6	238	44.8	146	16.4	53	16.9	56
Bibb	479.6	1,276	85.0	233	47.0	123	15.4	40	14.5	37
Blount	429.0	3,073	71.9	546	39.7	276	12.1	88	23.7	159
Bullock	481.9	602	71.6	92	49.5	63	17.7	22	^	^
Butler	444.4	1,184	57.7	167	46.9	126	12.8	36	17.1	44
Calhoun	470.7	6,721	79.6	1,174	47.6	672	16.0	229	19.3	265
Chambers	522.5	2,391	73.8	350	50.0	229	16.5	79	16.4	74
Cherokee	417.0	1,587	75.0	307	34.7	129	16.1	64	16.4	54
Chilton	419.9	2,178	66.7	364	37.2	193	13.0	67	18.8	94
Choctaw	422.4	831	47.9	103	54.8	109	13.0	23	11.6	24
Clarke	464.0	1,525	61.4	211	64.5	210	11.1	36	22.2	68
Clay	483.0	899	92.5	182	49.5	87	8.4	17	21.8	36
Cleburne	464.1	911	76.0	152	54.4	110	18.5	37	17.8	33
Coffee	434.4	2,654	71.1	450	32.3	193	13.4	85	22.8	135
Colbert	452.3	3,331	73.1	565	45.6	345	12.6	91	24.5	172
Conecuh	474.6	850	75.7	149	47.2	84	14.8	28	18.2	32
Coosa	382.6	633	66.6	118	31.8	52	^	^	13.3	18
Covington	456.2	2,384	79.1	439	49.3	259	14.1	72	21.2	105
Crenshaw	477.7	865	73.4	143	54.6	99	10.7	21	27.6	45
Cullman	435.4	4,500	70.3	771	39.7	410	14.9	158	31.2	311
Dale	455.6	2,662	75.5	458	38.8	225	17.2	101	24.0	135
Dallas	496.7	2,510	69.4	362	59.6	305	10.2	54	12.8	60
DeKalb	394.5	3,360	60.9	536	43.1	368	10.9	93	17.3	138
Elmore	491.0	4,411	73.5	665	43.4	380	14.5	133	36.4	320
Escambia	443.5	2,101	73.8	368	44.8	210	11.8	54	19.0	87
Etowah	468.2	6,279	75.1	1,050	44.6	603	15.1	209	20.9	266
Fayette	455.8	1,054	69.9	174	52.0	122	12.9	28	20.8	45
Franklin	430.8	1,626	70.0	272	42.1	161	9.9	38	24.2	87
Geneva	454.4	1,680	81.2	318	33.9	124	17.9	69	34.7	119
Greene	487.3	574	71.6	89	52.1	62	^	^	^	^
Hale	437.9	867	56.7	117	40.5	81	13.0	26	8.4	18
Henry	468.9	1,152	70.4	183	38.1	91	11.9	30	31.4	73
Houston	455.7	5,757	64.7	849	44.8	556	15.8	202	26.1	318
Jackson	451.6	3,178	77.6	587	44.4	309	11.8	80	22.5	147
Jefferson	459.4	34,863	61.7	4,747	40.7	3,058	11.8	913	17.1	1,249
Lamar	491.9	1,005	84.2	179	53.4	113	11.9	26	24.2	44
Lauderdale	431.4	5,267	65.1	845	41.7	500	10.8	128	27.0	310
Lawrence	483.2	2,075	84.8	380	54.0	228	14.4	61	29.5	121
Lee	396.0	5,340	52.3	684	33.3	447	12.3	168	16.3	216
Limestone	457.8	4,650	66.5	688	38.2	390	11.3	121	25.9	252
Lowndes	548.7	741	69.8	99	70.5	96	^	^	17.9	23
Macon	468.3	1,183	61.9	168	54.0	137	15.6	40	7.5	18
Madison	444.3	17,326	60.3	2,380	38.6	1,491	11.6	460	22.0	835
Marengo	460.0	1,213	59.1	162	53.3	142	8.7	22	11.7	30
Marion	459.7	1,962	70.7	323	47.0	196	18.0	76	15.2	60
Marshall	444.9	5,052	78.0	926	41.8	465	13.5	154	21.8	238
Mobile	454.8	21,680	69.5	3,387	47.4	2,248	12.1	583	21.5	986
Monroe	428.9	1,247	56.6	178	55.1	164	9.7	27	13.3	36
Montgomery	447.0	10,996	57.3	1,426	44.8	1,090	11.1	279	19.1	456
Morgan	481.3	6,988	73.7	1,116	44.9	648	14.7	216	28.5	389
Perry	486.9	600	61.9	83	44.6	55	14.5	18	^	^
Pickens	460.5	1,212	69.0	198	40.2	110	13.2	35	14.3	36
Pike	453.6	1,566	63.0	226	38.5	129	15.9	56	27.5	92
Randolph	439.0	1,362	66.3	215	45.2	140	9.6	31	15.8	45
Russell	464.8	2,838	76.5	481	47.4	283	15.0	91	14.7	88
St. Clair	465.4	4,720	76.8	800	44.2	442	13.3	139	24.2	235
Shelby	431.7	9,530	51.7	1,111	37.3	811	11.6	262	25.1	548
Sumter	462.8	731	64.3	105	52.7	81	12.0	18	^	^
Talladega	458.9	4,628	73.1	761	49.5	492	15.9	160	18.0	172
Tallapoosa	480.8	2,729	72.3	435	44.6	248	12.2	67	25.3	132
Tuscaloosa	456.8	9,048	65.1	1,302	42.8	844	10.7	218	14.5	283
Walker	510.6	4,437	91.9	851	44.9	377	15.2	134	22.5	171
Washington	433.2	936	61.3	136	51.4	108	11.2	24	19.1	37
Wilcox	494.7	702	68.2	101	58.0	79	10.9	16	14.3	20
Winston	427.6	1,447	80.0	289	41.6	139	14.8	49	24.0	75

Rates are per 100,000 and age-adjusted to the 2000 US (19 age groups) standard.
Rates are for malignant cases only, except for All Sites, which contains *in situ* bladder cases.
^ Statistic not displayed due to fewer than 15 cases.
Source: Alabama Statewide Cancer Registry (ASCR), 2021. Data Years: 2009-2018.

Table 4. Alabama Cancer Incidence Rates and Counts, by County, Males, All Races, 2009-2018 Combined											
	All Sites		Lung		Colorectal		Prostate		Oral		Melanoma	
	Rate	Count	Rate	Count	Rate	Count	Rate	Count	Rate	Count	Rate	Count
Alabama	532.6	139,218	88.5	23,159	51.0	13,088	130.6	36,219	20.0	5,362	28.7	7,146
Autauga	550.6	1,542	89.2	244	53.5	148	131.3	382	20.3	59	31.6	88
Baldwin	519.8	6,585	79.5	1,047	46.8	573	104.6	1,425	20.9	271	46.0	556
Barbour	541.1	849	98.3	151	49.9	74	152.8	252	25.1	40	21.5	33
Bibb	553.9	700	104.1	132	60.5	75	119.0	159	27.3	36	17.7	20
Blount	489.0	1,643	90.4	316	47.0	149	95.4	343	18.9	67	30.8	96
Bullock	536.2	325	98.0	62	64.6	36	153.8	100	^	^	^	^
Butler	524.2	628	85.7	107	64.8	75	136.3	175	21.4	26	26.7	28
Calhoun	569.2	3,611	104.4	659	57.1	355	138.5	919	24.8	163	25.2	159
Chambers	621.7	1,290	101.1	210	58.5	120	154.5	345	24.4	53	20.1	42
Cherokee	484.9	892	94.8	180	41.3	74	97.9	202	25.7	48	24.9	40
Chilton	486.6	1,175	87.7	217	44.8	104	113.0	284	17.9	46	23.5	55
Choctaw	511.1	471	63.4	63	70.2	64	159.4	155	20.5	17	15.7	15
Clarke	553.6	829	87.9	133	75.8	113	133.3	212	20.0	29	21.3	32
Clay	563.4	495	122.4	108	50.1	42	141.5	129	^	^	26.7	21
Cleburne	559.0	525	94.6	89	77.2	72	104.4	106	31.2	30	28.1	25
Coffee	508.6	1,429	92.2	256	37.8	104	132.9	392	19.4	57	28.3	79
Colbert	528.3	1,779	99.0	335	53.5	183	98.9	354	20.0	66	33.0	109
Conecuh	525.7	463	108.9	100	50.7	43	112.3	106	20.6	20	25.0	22
Coosa	424.0	349	92.1	78	28.2	24	105.9	94	^	^	^	^
Covington	514.3	1,221	98.2	242	62.8	144	97.1	253	22.7	54	25.1	55
Crenshaw	537.8	452	92.7	85	67.8	56	124.9	111	17.1	15	26.7	20
Cullman	489.8	2,355	94.4	465	41.3	198	84.2	432	22.8	112	40.1	190
Dale	517.6	1,400	88.3	241	40.6	111	127.1	363	25.6	70	32.3	82
Dallas	592.1	1,336	94.4	216	69.3	156	186.6	447	16.8	39	14.1	29
DeKalb	445.5	1,781	80.2	318	43.3	175	103.5	441	14.8	60	23.4	85
Elmore	583.0	2,412	97.4	403	51.8	211	122.0	545	22.4	97	49.0	194
Escambia	527.2	1,163	101.1	228	56.5	120	110.5	257	16.4	36	23.6	51
Etowah	551.0	3,338	93.9	581	55.8	338	127.0	813	25.0	151	26.2	152
Fayette	515.9	558	76.4	88	74.0	78	122.4	146	22.5	23	22.7	22
Franklin	489.8	847	95.3	167	48.3	85	84.7	153	16.0	27	30.6	52
Geneva	516.5	896	109.3	193	33.5	57	113.2	210	23.7	43	42.0	68
Greene	556.6	295	103.6	57	57.2	30	185.6	104	^	^	^	^
Hale	538.0	490	79.6	73	42.1	38	174.5	169	20.2	19	^	^
Henry	576.7	663	95.7	111	43.6	47	152.7	194	21.5	24	41.3	46
Houston	544.2	3,111	81.7	471	57.0	316	141.2	857	25.2	144	32.9	179
Jackson	509.3	1,677	101.4	359	49.0	159	97.0	337	18.2	60	27.9	89
Jefferson	545.9	18,096	83.7	2,701	47.1	1,534	158.8	5,591	19.1	647	23.3	733
Lamar	563.9	543	101.6	100	67.3	61	119.4	128	14.9	16	36.9	31
Lauderdale	494.5	2,744	92.5	524	48.8	261	95.4	564	17.1	95	32.9	175
Lawrence	578.4	1,153	116.0	239	65.1	125	118.1	242	20.8	43	35.8	69
Lee	454.5	2,783	66.3	387	37.7	232	126.1	792	19.0	119	21.1	130
Limestone	534.5	2,545	84.9	397	44.6	216	123.3	623	16.6	88	34.4	149
Lowndes	663.4	418	107.8	67	92.4	57	185.7	122	^	^	28.1	17
Macon	567.0	642	88.3	107	65.7	73	187.0	212	24.5	29	^	^
Madison	482.3	8,617	72.6	1,278	44.4	778	111.0	2,112	16.9	314	27.9	477
Marengo	558.9	673	82.2	99	65.0	76	172.3	227	^	^	^	^
Marion	528.2	1,070	97.9	203	58.1	119	105.4	224	28.2	58	21.4	40
Marshall	523.7	2,733	101.3	534	50.2	255	97.7	547	20.1	109	27.6	136
Mobile	532.8	11,438	90.1	1,924	56.6	1,205	116.0	2,651	17.4	389	29.3	589
Monroe	496.7	654	77.9	110	63.6	82	114.4	161	16.4	21	13.9	18
Montgomery	526.6	5,630	78.9	832	52.8	550	144.7	1,636	17.6	196	27.6	278
Morgan	568.6	3,793	95.7	638	50.1	337	141.5	985	21.5	146	39.1	250
Perry	638.4	347	101.5	59	48.2	26	184.8	107	^	^	^	^
Pickens	490.8	607	91.6	116	45.8	56	124.4	162	21.9	26	16.3	20
Pike	544.3	857	88.1	139	47.2	70	138.4	237	27.4	45	39.3	60
Randolph	519.5	749	88.5	130	60.6	85	127.9	196	11.1	18	21.8	30
Russell	547.2	1,477	98.8	270	53.1	141	128.8	362	24.6	68	18.2	47
St. Clair	533.9	2,527	100.7	475	53.2	249	120.6	605	21.1	109	30.1	133
Shelby	502.0	5,087	62.3	598	42.0	429	148.0	1,606	18.1	191	31.0	314
Sumter	603.1	413	108.6	75	64.3	41	210.1	153	^	^	^	^
Talladega	547.9	2,550	100.8	472	63.4	285	119.6	601	25.0	116	25.8	113
Tallapoosa	549.7	1,487	93.1	260	49.8	134	125.3	376	19.0	50	28.4	70
Tuscaloosa	536.6	4,777	88.7	775	50.2	443	156.1	1,448	16.2	152	19.5	165
Walker	595.9	2,395	114.4	485	48.0	184	137.7	588	25.1	100	24.9	90
Washington	509.8	529	88.5	92	63.9	63	110.6	124	16.4	17	22.9	21
Wilcox	606.0	390	107.3	69	61.7	35	180.1	127	^	^	^	^
Winston	527.0	840	112.4	183	51.5	79	99.5	176	20.0	32	32.9	48

Rates are per 100,000 and age-adjusted to the 2000 US (19 age groups) standard.
Rates are for malignant cases only, except for All Sites, which contains *in situ* bladder cases.
^Statistic not displayed due to fewer than 15 cases.
Source: Alabama Statewide Cancer Registry (ASCR), 2021. Data Years: 2009-2018.

Table 5. Alabama Cancer Incidence Rates and Counts, by County, Females, All Races, 2009–2018 Combined													
	All Sites		Lung		Colorectal		Breast		Cervix		Oral		Melanoma	
	Rate	Count	Rate	Count	Rate	Count	Rate	Count	Rate	Count	Rate	Count	Rate	Count
Alabama	401.3	122,729	51.6	16,783	37.4	11,657	120.7	36,549	9.0	2,301	7.0	2,162	17.2	4,899
Autauga	441.6	1,430	57.4	193	45.5	148	138.2	456	9.0	25	4.6	15	25.8	80
Baldwin	405.9	5,562	56.8	840	34.2	482	124.4	1,705	8.5	89	8.2	114	24.7	304
Barbour	408.2	691	46.9	87	41.9	72	124.8	197	^	^	^	^	13.8	23
Bibb	434.1	576	70.0	101	34.3	48	144.1	187	^	^	^	^	13.1	17
Blount	381.6	1,430	56.8	230	33.8	127	115.2	433	10.4	29	5.9	21	17.6	63
Bullock	455.7	277	45.5	30	39.9	27	152.4	85	^	^	^	^	^	^
Butler	392.9	556	37.5	60	33.0	51	148.4	198	^	^	^	^	11.7	16
Calhoun	404.0	3,110	62.4	515	40.2	317	108.5	832	10.8	69	8.5	66	15.4	106
Chambers	452.9	1,101	53.4	140	42.3	109	120.3	290	15.5	31	9.9	26	13.9	32
Cherokee	364.4	695	58.6	127	29.5	55	96.9	182	11.7	17	7.8	16	^	^
Chilton	373.1	1,003	50.1	147	32.7	89	109.3	291	10.6	23	8.6	21	15.2	39
Choctaw	352.3	360	36.2	40	41.1	45	122.0	124	^	^	^	^	^	^
Clarke	395.4	696	41.0	78	55.1	97	130.8	230	^	^	^	^	23.6	36
Clay	425.1	404	69.2	74	50.1	45	115.2	104	^	^	^	^	17.1	15
Cleburne	385.1	386	60.2	63	35.7	38	98.7	97	^	^	^	^	^	^
Coffee	380.7	1,225	55.9	194	27.7	89	117.1	372	7.9	19	8.0	28	19.2	56
Colbert	397.3	1,552	53.4	230	39.2	162	121.3	462	9.7	28	6.2	25	17.9	63
Conecuh	433.6	387	47.6	49	44.6	41	148.5	128	^	^	^	^	^	^
Coosa	348.0	284	43.5	40	33.5	28	71.0	62	^	^	^	^	^	^
Covington	415.6	1,163	66.8	197	38.8	115	117.3	325	7.2	15	6.9	18	19.1	50
Crenshaw	431.7	413	56.2	58	44.2	43	121.6	115	^	^	^	^	29.6	25
Cullman	399.1	2,145	51.2	306	38.9	212	114.2	612	10.5	46	7.6	46	24.8	121
Dale	407.9	1,262	65.2	217	36.6	114	119.1	363	11.3	27	9.7	31	17.7	53
Dallas	424.4	1,174	50.0	146	51.7	149	139.0	372	14.2	31	4.8	15	12.0	31
DeKalb	355.4	1,579	46.0	218	42.1	193	91.6	406	9.7	35	7.5	33	13.1	53
Elmore	419.9	1,999	54.2	262	36.5	169	121.7	584	11.5	50	7.6	36	27.1	126
Escambia	383.5	938	52.6	140	36.7	90	113.4	275	^	^	7.1	18	15.3	36
Etowah	410.6	2,941	60.6	469	35.5	265	105.4	742	12.2	66	7.5	58	17.3	114
Fayette	405.4	496	62.5	86	32.7	44	105.7	129	^	^	^	^	20.0	23
Franklin	392.2	779	49.9	105	36.9	76	110.5	222	^	^	^	^	20.0	35
Geneva	408.4	784	59.0	125	34.2	67	113.2	218	^	^	13.2	26	30.6	51
Greene	432.1	279	48.1	32	48.5	32	145.6	89	^	^	^	^	^	^
Hale	359.5	377	39.8	44	39.7	43	108.9	111	^	^	^	^	^	^
Henry	380.6	489	51.6	72	32.5	44	104.1	130	^	^	^	^	24.3	27
Houston	391.8	2,646	52.0	378	35.4	240	112.8	751	10.9	65	8.5	58	21.5	139
Jackson	412.6	1,501	56.7	228	40.9	150	115.7	412	9.0	25	5.7	20	18.7	58
Jefferson	399.4	16,767	46.3	2,046	35.7	1,524	130.8	5,392	8.1	284	6.1	266	13.2	516
Lamar	435.3	462	71.5	79	45.4	52	140.2	144	^	^	^	^	^	^
Lauderdale	389.7	2,523	45.0	321	35.6	239	108.4	687	7.1	35	5.3	33	23.5	135
Lawrence	410.8	922	58.9	141	44.9	103	113.1	253	^	^	8.8	18	25.3	52
Lee	353.4	2,557	41.4	297	29.9	215	106.9	780	8.5	59	6.8	49	12.3	86
Limestone	402.4	2,105	52.2	291	32.2	174	119.5	627	8.2	38	6.3	33	20.5	103
Lowndes	457.5	323	40.7	32	51.3	39	136.9	94	^	^	^	^	^	^
Macon	396.2	541	41.2	61	43.8	64	114.4	156	16.4	17	^	^	^	^
Madison	419.7	8,709	51.1	1,102	34.2	713	132.0	2,754	7.2	130	7.0	146	17.8	358
Marengo	380.9	540	41.5	63	43.7	66	124.3	166	^	^	^	^	11.6	16
Marion	408.3	892	48.1	120	37.3	77	128.8	275	9.8	16	8.5	18	9.9	20
Marshall	391.4	2,319	61.0	392	35.0	210	96.7	573	10.7	50	7.6	45	18.4	102
Mobile	398.2	10,242	54.0	1,463	39.8	1,043	119.5	3,053	8.4	182	7.7	194	16.3	397
Monroe	382.3	593	39.3	68	50.1	82	129.0	197	^	^	^	^	13.2	18
Montgomery	392.7	5,366	42.3	594	38.7	540	124.9	1,679	10.3	124	6.0	83	13.3	178
Morgan	417.3	3,195	57.6	478	40.7	311	118.3	901	8.8	54	8.6	70	20.6	139
Perry	371.8	253	31.2	24	42.9	29	126.0	82	^	^	^	^	^	^
Pickens	447.4	605	52.3	82	36.0	54	184.0	230	^	^	^	^	14.0	16
Pike	385.3	709	44.7	87	32.0	59	124.6	224	^	^	^	^	18.7	32
Randolph	381.4	613	49.2	85	33.1	55	102.2	162	12.8	15	^	^	10.6	15
Russell	409.1	1,361	60.3	211	42.9	142	115.8	379	10.6	30	7.1	23	12.6	41
St. Clair	415.1	2,193	57.6	325	36.5	193	124.9	660	9.6	45	5.9	30	20.2	102
Shelby	378.0	4,443	43.9	513	33.1	382	123.2	1,470	4.9	55	6.0	71	20.4	234
Sumter	361.8	318	32.6	30	45.8	40	120.2	105	^	^	^	^	^	^
Talladega	391.0	2,078	51.0	289	38.2	207	111.6	585	10.2	49	8.3	44	12.0	59
Tallapoosa	427.1	1,242	55.4	175	40.1	114	108.2	320	13.9	32	5.7	17	23.5	62
Tuscaloosa	399.7	4,271	47.5	527	37.1	401	128.1	1,349	9.0	86	6.0	66	11.1	118
Walker	448.9	2,042	73.4	366	42.7	193	107.8	498	13.8	49	7.0	34	21.2	81
Washington	367.3	407	38.1	44	40.9	45	103.8	119	^	^	^	^	16.8	16
Wilcox	411.0	312	41.6	32	55.8	44	109.0	77	^	^	^	^	^	^
Winston	355.7	607	53.5	106	33.5	60	91.4	154	^	^	10.1	17	18.4	27

Rates are per 100,000 and age-adjusted to the 2000 US (19 age groups) standard.
Rates are for malignant cases only, except for All Sites, which contains *in situ* bladder cases.
^Statistic not displayed due to fewer than 15 cases.
Source: Alabama Statewide Cancer Registry (ASCR), 2021. Data Years: 2009-2018.

Table 6. Alabama Cancer Incidence Rates, by County, Males and Females, by Race, 2009-2018 Combined																			
	All Sites				Lung				Colorectal				Oral				Melanoma			
	White		Black		White		Black		White		Black		White		Black		White		Black	
	Rate	Count	Rate	Count	Rate	Count	Rate	Count	Rate	Count	Rate	Count	Rate	Count	Rate	Count	Rate	Count	Rate	Count
Alabama	453.0	199,243	455.6	57,162	70.0	32,270	59.6	7,384	41.5	18,160	50.5	6,153	13.9	6,146	9.2	1,212	28.4	11,797	1.0	117
Autauga	477.2	2,404	530.5	514	72.3	374	66.4	60	48.1	241	54.7	51	12.8	64	^	^	34.5	168	^	^
Baldwin	455.2	11,134	447.5	783	67.9	1,766	62.5	105	38.9	951	56.4	94	14.5	361	9.1	20	36.9	846	^	^
Barbour	484.0	983	410.2	540	76.8	166	52.5	70	39.8	78	53.7	66	19.4	39	^	^	28.1	55	^	^
Bibb	476.7	1,045	501.5	224	86.1	199	79.3	34	48.4	104	49.9	19	17.0	35	^	^	17.7	37	^	^
Blount	424.9	2,979	358.3	35	72.4	538	^	^	39.3	267	^	^	11.9	85	^	^	24.3	159	^	^
Bullock	468.6	192	488.9	402	87.4	37	64.3	55	37.7	16	55.1	46	^	^	^	^	^	^	^	^
Butler	438.7	734	440.6	426	64.8	121	44.1	45	40.7	71	57.1	54	15.8	28	^	^	27.6	44	^	^
Calhoun	474.3	5,590	458.3	1,041	84.5	1,045	59.3	128	46.6	543	54.4	120	17.0	196	12.1	28	23.3	261	^	^
Chambers	541.5	1,632	481.5	727	84.4	266	52.8	82	47.8	145	54.0	81	20.7	65	^	^	23.0	68	^	^
Cherokee	412.6	1,495	497.6	77	75.6	295	^	^	35.5	125	^	^	16.3	61	^	^	17.2	54	^	^
Chilton	411.8	1,942	463.4	202	66.0	328	81.7	36	37.4	176	33.4	15	13.6	63	^	^	20.8	94	^	^
Choctaw	399.7	480	451.4	346	49.2	66	44.6	37	46.8	58	65.4	50	^	^	^	^	19.2	24	^	^
Clarke	444.1	926	485.4	589	63.6	144	54.4	66	55.7	111	80.9	98	11.9	25	^	^	35.5	64	^	^
Clay	478.0	774	475.6	110	92.6	160	106.5	22	47.9	73	^	^	9.1	16	^	^	25.2	36	^	^
Cleburne	456.5	861	577.6	39	75.6	145	^	^	53.7	105	^	^	16.9	33	^	^	18.1	32	^	^
Coffee	443.9	2,218	411.0	384	72.6	378	72.4	67	32.8	160	33.2	30	14.7	76	^	^	28.1	135	^	^
Colbert	451.1	2,806	454.5	491	78.3	514	46.3	51	43.1	274	61.8	70	13.3	81	^	^	28.8	170	^	^
Conecuh	450.9	485	508.0	361	76.3	91	71.7	57	43.3	49	51.4	35	14.9	18	^	^	30.4	31	^	^
Coosa	374.0	446	397.6	180	72.7	97	46.0	21	25.0	30	46.2	21	^	^	^	^	19.3	18	^	^
Covington	452.8	2,125	475.1	239	79.5	398	76.5	38	49.6	234	48.6	24	15.7	71	^	^	22.9	102	^	^
Crenshaw	489.4	686	437.1	170	80.0	122	52.7	21	50.6	71	59.1	23	13.8	21	^	^	36.1	44	^	^
Cullman	431.9	4,380	303.4	29	70.6	760	^	^	40.0	406	^	^	15.1	158	^	^	31.7	310	^	^
Dale	460.9	2,197	435.4	411	79.6	398	49.8	49	38.3	182	45.9	41	18.0	87	^	^	29.2	134	^	^
Dallas	522.6	1,026	476.9	1,443	76.7	162	63.4	197	60.3	120	60.9	182	13.8	28	8.0	25	33.4	53	^	^
DeKalb	390.7	3,212	403.3	55	61.3	524	^	^	43.1	356	^	^	11.2	92	^	^	17.8	136	^	^
Elmore	487.6	3,689	499.7	650	72.8	570	80.0	92	42.2	311	52.3	67	15.5	119	^	^	43.4	317	^	^
Escambia	458.1	1,535	429.5	526	77.4	278	64.9	81	44.9	148	48.9	60	13.7	44	^	^	26.1	84	^	^
Etowah	464.4	5,420	468.9	749	76.9	948	61.3	95	44.1	517	47.1	76	15.3	184	10.8	20	23.5	257	^	^
Fayette	446.2	911	462.3	116	71.6	158	61.5	16	50.4	103	59.7	17	13.3	26	^	^	22.9	43	^	^
Franklin	434.5	1,552	334.7	53	72.1	266	^	^	42.1	153	^	^	10.1	37	^	^	25.6	87	^	^
Geneva	460.1	1,546	392.4	119	84.1	299	50.5	17	34.6	115	^	^	19.3	67	^	^	37.9	118	^	^
Greene	554.3	160	461.7	406	98.0	32	62.6	57	^	^	53.7	47	^	^	^	^	^	^	^	^
Hale	429.8	406	433.1	447	63.2	63	51.1	53	43.1	43	36.2	37	19.1	16	^	^	16.9	18	^	^
Henry	461.9	849	479.1	291	73.4	145	59.0	36	37.8	67	40.7	24	12.1	24	^	^	41.1	71	^	^
Houston	457.3	4,545	452.7	1,149	66.4	694	55.0	145	41.9	413	55.8	136	18.0	179	8.2	21	33.6	316	^	^
Jackson	449.8	3,005	447.8	99	79.5	572	64.7	15	44.0	292	^	^	11.8	76	^	^	23.0	143	^	^
Jefferson	453.6	21,162	460.2	13,061	62.8	3,043	59.8	1,669	37.0	1,730	46.5	1,271	13.1	616	9.7	284	27.6	1216	0.8	19
Lamar	490.9	907	501.5	94	86.9	165	^	^	55.5	106	^	^	11.0	22	^	^	27.1	44	^	^
Lauderdale	426.4	4,773	473.9	441	65.5	780	61.6	61	39.8	439	63.9	58	11.2	119	^	^	29.5	307	^	^
Lawrence	508.4	1,824	460.4	238	93.3	352	46.2	26	54.7	194	69.9	34	16.3	58	^	^	35.6	121	^	^
Lee	384.0	3,907	434.1	1,270	51.3	518	57.4	153	30.0	304	43.3	122	13.5	138	8.2	27	21.5	212	^	^
Limestone	456.3	4,027	431.4	516	68.0	622	56.1	60	37.4	333	39.6	48	11.7	109	^	^	29.7	249	^	^
Lowndes	569.2	262	533.8	472	74.3	41	63.0	57	60.6	28	74.4	67	^	^	^	^	52.1	20	^	^
Macon	501.1	259	454.2	907	91.2	50	54.6	118	35.7	16	59.0	120	^	^	15.7	31	^	^	^	^
Madison	442.6	13,482	424.3	3,102	62.1	1,954	54.9	389	37.7	1,140	44.3	310	12.9	399	5.8	49	27.7	814	^	^
Marengo	447.6	640	451.6	541	62.9	100	52.9	62	48.5	69	57.1	71	^	^	^	^	20.2	26	^	^
Marion	457.4	1,881	476.6	65	71.1	314	^	^	47.8	191	^	^	18.3	74	^	^	15.9	60	^	^
Marshall	441.3	4,857	480.4	82	78.2	906	^	^	41.6	449	^	^	13.9	152	^	^	22.4	236	^	^
Mobile	459.6	14,853	453.1	6,450	72.7	2,440	63.4	906	45.6	1,479	53.3	737	13.0	420	9.9	148	31.0	955	1.2	15
Monroe	420.0	773	449.3	462	58.0	119	55.5	58	46.7	89	72.2	74	10.6	17	^	^	19.9	32	^	^
Montgomery	448.6	5,739	439.8	4,996	59.6	816	54.5	602	42.9	556	46.6	522	12.6	161	8.7	106	37.0	438	^	^
Morgan	479.3	6,241	492.4	627	74.8	1,026	74.2	86	43.0	554	67.6	80	15.2	198	13.5	17	32.0	387	^	^
Perry	438.1	221	496.2	366	69.1	40	53.4	42	39.9	22	47.2	33	^	^	^	^	^	^	^	^
Pickens	431.2	736	487.9	454	70.5	133	65.6	64	38.5	69	44.1	41	12.5	21	^	^	23.1	36	^	^
Pike	460.1	1,076	441.3	473	63.2	158	61.6	67	33.1	76	48.0	51	17.6	43	^	^	41.6	92	^	^
Randolph	433.6	1,123	461.6	226	69.2	187	55.9	28	44.8	117	50.3	23	10.4	28	^	^	18.3	43	^	^
Russell	488.9	1,799	416.7	984	90.9	354	54.6	125	46.5	169	48.3	112	17.3	62	10.1	25	23.8	84	^	^
St. Clair	462.9	4,329	440.5	317	77.1	748	76.2	48	43.7	405	44.7	28	13.5	131	^	^	26.2	232	^	^
Shelby	427.6	8,487	452.9	801	52.5	1,032	46.1	66	36.2	712	50.4	75	11.6	236	7.8	18	27.8	539	^	^
Sumter	465.3	221	455.0	500	64.9	35	61.7	69	36.9	19	59.6	62	^	^	^	^	^	^	^	^
Talladega	466.3	3,427	432.4	1,129	78.2	611	60.0	150	49.1	360	50.4	124	18.4	134	9.9	25	24.3	168	^	^
Tallapoosa	463.7	2,065	533.7	640	73.9	349	71.0	85	41.3	181	57.9	66	12.5	53	^	^	32.3	129	^	^
Tuscaloosa	443.7	6,417	474.2	2,437	65.0	968	67.0	331	39.7	574	50.1	253	11.6	173	6.7	39	19.4	274	^	^
Walker	509.8	4,190	542.4	215	92.9	817	88.9	33	44.8	354	49.6	22	15.5	129	^	^	24.0	171	^	^
Washington	463.4	709	431.6	214	67.1	107	57.8	29	56.6	84	40.1	20	14.5	22	^	^	27.7	37	^	^
Wilcox	478.6	252	497.4	440	64.1	37	67.9	63	41.9	23	63.5	55	^	^	^	^	38.4	17	^	^
Winston	428.0	1,423	^	^	80.2	286	^	^	41.9	138	^	^	14.8	48	^	^	24.4	75	^	^

Rates are per 100,000 and age-adjusted to the 2000 US (19 age groups) standard.
Rates are for malignant cases only, except for All Sites, which contains *in situ* bladder cases.
^Statistic not displayed due to fewer than 15 cases.
Source: Alabama Statewide Cancer Registry (ASCR), 2021. Data Years: 2009-2018.

Table 7. Alabama Cancer Incidence Rates and Counts, by County, Males by Race, 2009-2018 Combined

	All Sites				Lung				Colorectal			
	White		Black		White		Black		White		Black	
	Rate	Count	Rate	Count	Rate	Count	Rate	Count	Rate	Count	Rate	Count
Alabama	517.8	105,865	562.4	30,007	88.3	18,333	90.8	4,684	48.7	9,811	59.8	3,058
Autauga	521.1	1,225	667.9	285	85.3	199	112.8	44	51.8	121	64.0	27
Baldwin	512.9	6,027	527.2	407	79.4	974	89.5	65	45.5	521	65.0	48
Barbour	549.7	541	529.1	297	102.9	101	83.0	48	38.4	37	78.1	36
Bibb	539.5	558	619.7	135	98.6	104	140.1	28	63.0	64	^	^
Blount	486.9	1,595	340.7	15	91.8	313	^	^	46.8	145	^	^
Bullock	472.2	106	581.3	213	101.0	24	97.7	38	^	^	75.9	25
Butler	512.2	393	509.3	215	92.0	73	71.5	33	57.9	45	75.5	29
Calhoun	566.9	3,011	588.4	555	110.1	593	76.9	66	55.0	285	70.8	65
Chambers	628.4	893	616.3	386	107.2	154	88.2	56	55.8	78	62.0	42
Cherokee	484.5	846	460.1	35	96.6	174	^	^	42.9	73	^	^
Chilton	473.4	1,046	551.9	107	87.2	197	97.8	20	44.4	95	^	^
Choctaw	468.3	274	572.2	193	62.0	40	64.7	23	60.4	36	86.3	28
Clarke	510.1	509	614.5	313	80.3	83	97.7	49	61.7	60	102.2	52
Clay	559.7	430	516.0	54	121.5	95	^	^	48.5	36	^	^
Cleburne	548.2	497	640.9	19	91.9	83	^	^	76.8	70	^	^
Coffee	511.0	1,195	521.4	213	92.8	216	92.7	37	38.5	89	40.8	15
Colbert	524.5	1,502	528.8	251	103.2	299	76.0	36	50.5	147	71.8	35
Conecuh	485.4	271	584.2	188	102.8	59	117.0	40	45.9	26	55.7	17
Coosa	405.3	241	471.7	104	97.6	63	69.7	15	^	^	^	^
Covington	505.2	1,090	616.7	125	98.1	221	108.8	20	62.7	130	^	^
Crenshaw	555.8	366	477.4	82	100.3	73	^	^	64.0	42	^	^
Cullman	483.5	2,281	377.1	18	94.4	457	^	^	41.6	196	^	^
Dale	514.8	1,169	544.9	212	89.8	208	74.7	30	40.0	91	41.3	19
Dallas	575.7	540	594.3	769	79.1	77	103.6	137	70.1	65	72.1	90
DeKalb	438.8	1,689	516.8	33	81.2	312	^	^	43.2	168	^	^
Elmore	563.5	1,993	664.4	368	91.6	334	147.8	68	50.6	174	56.4	36
Escambia	542.7	850	515.6	288	100.1	164	104.6	57	58.3	87	55.5	32
Etowah	539.9	2,886	601.1	387	94.6	522	90.5	56	53.7	288	74.6	44
Fayette	496.3	477	553.5	61	79.0	81	^	^	75.1	70	^	^
Franklin	490.8	803	385.0	30	97.0	161	^	^	49.8	83	^	^
Geneva	519.1	821	496.9	68	112.0	180	^	^	33.7	53	^	^
Greene	704.2	94	493.2	194	149.5	22	87.2	35	^	^	63.0	24
Hale	493.4	225	556.3	253	82.0	37	78.0	36	36.0	17	46.3	20
Henry	536.2	474	688.4	180	92.5	84	97.7	25	42.6	36	^	^
Houston	532.5	2,432	588.9	642	82.1	378	74.6	86	52.2	233	76.9	79
Jackson	507.6	1,590	508.5	49	103.6	350	^	^	50.0	154	^	^
Jefferson	522.9	10,974	572.4	6,777	80.3	1,680	90.2	998	43.9	906	52.1	596
Lamar	568.2	498	535.5	43	102.5	91	^	^	71.0	59	^	^
Lauderdale	486.7	2,494	569.6	228	91.5	478	111.2	46	46.2	229	85.3	32
Lawrence	604.0	1,019	590.2	128	128.0	223	62.6	16	63.7	104	111.0	21
Lee	427.6	2,039	568.8	659	60.7	281	95.1	99	34.7	165	47.9	58
Limestone	527.4	2,194	536.1	289	83.9	348	101.4	46	44.2	187	48.9	25
Lowndes	634.7	152	675.8	261	104.6	28	103.4	39	71.5	16	107.2	41
Macon	522.2	139	570.6	490	93.6	26	86.6	81	^	^	69.6	61
Madison	471.1	6,722	479.7	1,496	72.8	1,040	76.2	223	43.9	613	50.2	148
Marengo	475.3	321	616.3	325	74.2	53	90.8	46	58.1	38	75.0	38
Marion	526.3	1,022	504.7	37	97.7	195	^	^	58.7	115	^	^
Marshall	518.7	2,619	531.0	44	102.4	526	^	^	50.0	245	^	^
Mobile	526.6	7,885	551.8	3,332	89.7	1,345	92.7	558	54.2	810	64.6	373
Monroe	457.4	399	584.2	250	67.7	63	101.5	47	52.2	47	87.8	34
Montgomery	512.1	2,961	529.1	2,510	77.2	459	81.3	371	52.0	292	55.4	253
Morgan	561.2	3,393	627.8	326	95.3	581	125.7	55	48.6	295	66.4	33
Perry	593.9	134	655.8	203	99.3	27	98.5	32	^	^	^	^
Pickens	463.1	388	526.5	206	93.8	82	90.4	34	44.7	38	49.3	18
Pike	538.7	595	554.2	252	84.1	94	101.8	45	40.8	42	58.8	26
Randolph	508.0	623	573.1	119	92.4	115	68.4	15	59.4	73	^	^
Russell	530.9	893	560.9	554	103.4	182	94.5	88	50.1	83	57.6	58
St. Clair	529.2	2,307	525.1	183	100.5	439	99.8	33	53.3	230	64.0	15
Shelby	493.6	4,541	584.0	412	62.1	550	77.4	44	41.1	382	54.5	32
Sumter	600.1	133	585.0	271	104.4	25	109.2	50	^	^	72.7	29
Talladega	536.9	1,854	566.5	650	99.5	358	112.5	114	62.3	208	66.4	71
Tallapoosa	538.4	1,154	590.7	321	91.5	202	103.6	57	49.9	109	50.3	25
Tuscaloosa	502.9	3,361	605.8	1,273	84.7	564	106.8	210	46.5	310	62.7	126
Walker	592.2	2,260	650.9	110	115.6	468	107.7	16	48.6	176	^	^
Washington	540.6	401	516.7	122	93.8	71	92.0	21	74.4	52	^	^
Wilcox	555.5	142	618.3	240	97.7	25	110.2	44	^	^	77.1	27
Winston	524.6	823	^	^	111.8	180	^	^	51.4	78	^	^

Rates are per 100,000 and age-adjusted to the 2000 US (19 age groups) standard.
Rates are for malignant cases only, except for All Sites, which contains *in situ* bladder cases.
^Statistic not displayed due to fewer than 15 cases.
Source: Alabama Statewide Cancer Registry (ASCR), 2021. Data Years: 2009-2018.

Table 7. (Continued) - Alabama Cancer Incidence Rates and Counts, by County, Males by Race, 2009-2018 Combined

| | Prostate | | | | Oral | | | | Melanoma | | | |
| | White | | Black | | White | | Black | | White | | Black | |
	Rate	Count	Rate	Count	Rate	Count	Rate	Count	Rate	Count	Rate	Count
Alabama	107.5	23,472	199.3	11,042	21.2	4,415	14.5	834	35.8	7,025	1.0	52
Autauga	102.1	248	257.3	114	20.9	50	^	^	37.8	88	^	^
Baldwin	94.5	1,199	173.6	130	21.5	258	^	^	49.1	550	^	^
Barbour	121.4	127	202.1	121	30.6	31	^	^	33.9	33	^	^
Bibb	108.8	120	127.5	34	30.2	31	^	^	21.8	20	^	^
Blount	93.2	326	^	^	18.9	65	^	^	31.6	96	^	^
Bullock	72.5	17	200.3	78	^	^	^	^	^	^	^	^
Butler	99.3	83	182.7	80	24.4	20	^	^	40.8	28	^	^
Calhoun	121.5	677	234.1	224	25.8	139	20.5	21	29.6	158	^	^
Chambers	114.1	178	257.7	163	31.1	45	^	^	28.3	41	^	^
Cherokee	91.5	180	214.7	16	26.4	46	^	^	26.3	40	^	^
Chilton	102.5	236	207.6	41	19.3	45	^	^	25.8	55	^	^
Choctaw	118.1	74	224.9	79	^	^	^	^	24.7	15	^	^
Clarke	106.4	114	176.0	95	20.5	20	^	^	31.3	31	^	^
Clay	128.6	102	172.7	20	^	^	^	^	30.6	21	^	^
Cleburne	98.1	96	^	^	30.0	28	^	^	28.1	24	^	^
Coffee	119.2	291	208.3	92	20.4	50	^	^	33.7	79	^	^
Colbert	80.7	246	181.1	88	21.1	59	^	^	38.4	108	^	^
Conecuh	75.6	46	172.2	59	^	^	^	^	39.6	22	^	^
Coosa	86.6	56	161.6	37	^	^	^	^	^	^	^	^
Covington	89.3	210	179.2	43	25.2	54	^	^	26.6	53	^	^
Crenshaw	112.1	77	179.9	34	21.8	15	^	^	35.2	20	^	^
Cullman	78.2	395	^	^	23.3	112	^	^	40.5	189	^	^
Dale	116.4	279	201.6	80	26.2	61	^	^	37.7	81	^	^
Dallas	137.3	147	218.6	284	19.9	19	14.3	19	35.6	27	^	^
DeKalb	98.3	404	^	^	15.4	60	^	^	24.3	85	^	^
Elmore	100.1	382	231.4	135	23.2	85	^	^	56.7	193	^	^
Escambia	93.9	160	162.1	89	19.2	29	^	^	31.1	48	^	^
Etowah	112.7	641	215.5	142	25.2	134	^	^	28.6	146	^	^
Fayette	99.5	106	200.8	24	22.4	21	^	^	25.6	22	^	^
Franklin	79.7	137	^	^	16.2	26	^	^	32.4	52	^	^
Geneva	102.9	175	244.0	33	25.3	42	^	^	45.9	68	^	^
Greene	151.2	22	186.3	78	^	^	^	^	^	^	^	^
Hale	117.4	60	205.9	99	^	^	^	^	^	^	^	^
Henry	112.7	110	260.6	78	21.6	19	^	^	50.1	44	^	^
Houston	122.4	600	217.4	246	28.2	128	^	^	41.0	179	^	^
Jackson	87.8	290	222.1	23	18.8	59	^	^	28.1	86	^	^
Jefferson	125.2	2,784	215.4	2,700	20.6	437	16.1	201	35.0	715	^	^
Lamar	112.6	111	205.4	15	15.5	15	^	^	40.9	31	^	^
Lauderdale	90.3	496	148.4	58	17.5	88	^	^	35.6	174	^	^
Lawrence	113.4	197	184.3	41	23.6	41	^	^	42.7	69	^	^
Lee	102.9	505	224.2	259	20.3	99	13.2	17	26.9	129	^	^
Limestone	111.2	493	184.7	103	17.0	78	^	^	39.1	149	^	^
Lowndes	134.8	34	208.5	83	^	^	^	^	73.7	15	^	^
Macon	135.5	38	195.9	166	^	^	25.4	22	^	^	^	^
Madison	91.0	1,391	152.4	503	18.7	275	8.9	33	33.9	465	^	^
Marengo	109.6	81	215.9	122	^	^	^	^	^	^	^	^
Marion	102.9	210	^	^	28.5	56	^	^	22.5	40	^	^
Marshall	92.6	503	^	^	20.5	107	^	^	28.2	134	^	^
Mobile	94.9	1,530	169.7	1,058	18.1	280	16.0	101	39.7	567	^	^
Monroe	77.9	75	195.4	85	19.8	15	^	^	18.5	16	^	^
Montgomery	106.8	659	182.5	891	19.7	115	14.4	73	48.9	271	^	^
Morgan	132.3	838	196.4	108	22.3	135	^	^	42.9	248	^	^
Perry	104.6	29	225.7	71	^	^	^	^	^	^	^	^
Pickens	80.8	72	198.3	81	22.5	18	^	^	23.9	20	^	^
Pike	126.3	155	165.1	78	30.2	35	^	^	56.0	60	^	^
Randolph	104.2	137	266.5	58	11.6	16	^	^	26.1	30	^	^
Russell	92.0	162	179.4	186	31.2	51	^	^	27.9	45	^	^
St. Clair	115.8	533	161.5	63	22.2	105	^	^	32.7	133	^	^
Shelby	138.5	1,368	241.7	188	18.4	176	^	^	34.1	312	^	^
Sumter	149.1	35	228.0	111	^	^	^	^	^	^	^	^
Talladega	96.6	364	177.4	217	28.5	97	14.5	18	33.4	110	^	^
Tallapoosa	108.9	262	186.1	109	20.5	41	^	^	35.3	69	^	^
Tuscaloosa	120.5	840	224.3	492	17.4	122	11.3	27	25.1	161	^	^
Walker	129.5	527	256.4	44	25.7	97	^	^	26.3	90	^	^
Washington	91.8	74	190.9	48	21.2	16	^	^	32.2	21	^	^
Wilcox	119.6	38	207.3	83	^	^	^	^	^	^	^	^
Winston	95.1	165	^	^	20.3	32	^	^	33.4	48	^	^

Rates are per 100,000 and age-adjusted to the 2000 US (19 Age Groups) standard.
Rates are for malignant cases only, except for All Sites, which contains *in situ* bladder cases.
^Statistic not displayed due to fewer than 15 cases.
Source: Alabama Statewide Cancer Registry (ASCR), 2021. Data Years: 2009-2018.

Table 8. Alabama Cancer Incidence Rates and Counts , by County, Females by Race, 2009-2018 Combined															
	All Sites				Lung				Colorectal				Breast			
	White		Black		White		Black		White		Black		White		Black	
	Rate	Count	Rate	Count	Rate	Count	Rate	Count	Rate	Count	Rate	Count	Rate	Count	Rate	Count
Alabama	406.6	93,378	383.0	27,155	55.9	13,937	38.0	2,700	35.4	8,349	43.9	3,095	118.1	26,907	126.5	9,025
Autauga	446.1	1,179	423.1	229	62.9	175	32.3	16	44.7	120	47.4	24	132.6	359	162.5	92
Baldwin	407.5	5,107	393.4	376	58.1	792	42.8	40	32.9	430	50.0	46	125.6	1,573	119.2	116
Barbour	445.3	442	350.4	243	57.6	65	30.2	22	42.2	41	40.7	30	124.6	117	122.1	79
Bibb	436.3	487	441.3	89	76.7	95	^	^	34.5	40	^	^	138.1	151	178.2	36
Blount	376.2	1,384	385.8	20	56.7	225	^	^	33.3	122	^	^	111.3	413	^	^
Bullock	508.7	86	440.4	189	^	^	38.3	17	^	^	43.2	21	149.7	20	160.4	65
Butler	402.1	341	387.1	211	46.7	48	^	^	27.8	26	43.0	25	138.0	108	163.6	88
Calhoun	411.4	2,579	377.7	486	66.2	452	49.0	62	40.0	258	43.2	55	106.1	671	112.4	146
Chambers	477.4	739	399.9	341	67.1	112	29.3	26	41.3	67	43.5	39	123.7	191	112.1	95
Cherokee	356.6	649	538.2	42	58.2	121	^	^	29.6	52	^	^	91.4	165	197.4	15
Chilton	369.3	896	397.7	95	49.2	131	68.6	16	33.0	81	^	^	106.8	257	128.4	30
Choctaw	344.2	206	362.9	153	39.2	26	^	^	34.2	22	48.6	22	101.8	62	151.7	62
Clarke	391.5	417	401.0	276	50.5	61	24.7	17	50.7	51	64.8	46	118.5	128	145.0	100
Clay	422.4	344	448.6	56	70.5	65	^	^	49.0	37	^	^	110.4	86	128.2	15
Cleburne	378.9	364	557.6	20	61.5	62	^	^	34.7	35	^	^	97.4	92	^	^
Coffee	394.0	1,023	336.0	171	58.1	162	57.0	30	27.5	71	28.9	15	119.6	310	110.5	54
Colbert	398.0	1,304	402.8	240	59.5	215	23.9	15	37.0	127	53.7	35	113.5	364	163.9	96
Conecuh	429.6	214	454.7	173	52.8	32	39.1	17	42.0	23	49.0	18	131.2	65	173.7	63
Coosa	353.3	205	322.7	76	51.1	34	^	^	34.5	21	^	^	60.3	38	91.7	23
Covington	417.0	1,035	388.4	114	67.2	177	63.3	18	39.2	104	^	^	118.2	289	102.1	30
Crenshaw	440.0	320	405.9	88	62.1	49	^	^	38.9	29	^	^	120.4	84	137.8	31
Cullman	397.5	2,099	^	^	51.7	303	^	^	39.1	210	^	^	113.2	595	^	^
Dale	418.0	1,028	366.3	199	71.0	190	32.7	19	36.3	91	45.5	22	119.3	288	121.6	69
Dallas	484.5	486	392.7	674	75.9	85	34.1	60	51.3	55	52.9	92	141.8	139	135.0	231
DeKalb	354.6	1,523	317.3	22	46.1	212	^	^	42.2	188	^	^	92.1	396	^	^
Elmore	428.6	1,696	387.9	282	57.0	236	38.3	24	35.3	137	47.0	31	124.2	495	112.9	86
Escambia	394.1	685	376.6	238	59.8	114	36.6	24	35.7	61	43.2	28	104.4	184	133.0	83
Etowah	411.1	2,534	390.6	362	62.8	426	44.2	39	35.9	229	31.4	32	100.4	610	125.3	119
Fayette	404.3	434	400.1	55	63.4	77	^	^	27.9	33	^	^	100.2	110	144.9	18
Franklin	398.1	749	297.3	23	52.5	105	^	^	35.7	70	^	^	113.9	216	^	^
Geneva	417.0	725	312.5	51	62.0	119	^	^	35.3	62	^	^	112.8	199	118.2	18
Greene	411.1	66	435.5	212	^	^	44.3	22	^	^	46.2	23	91.8	15	158.3	74
Hale	382.9	181	339.5	194	50.0	26	30.3	17	49.8	26	29.3	17	96.2	46	118.5	65
Henry	399.4	375	329.0	111	59.6	61	^	^	32.7	31	^	^	108.6	100	89.8	29
Houston	405.6	2,113	353.6	507	54.8	316	39.9	59	34.1	180	40.3	57	116.1	596	106.3	151
Jackson	410.7	1,415	421.6	50	58.3	222	^	^	39.1	138	^	^	115.0	388	142.8	15
Jefferson	407.1	10,188	385.5	6,284	50.3	1,363	40.1	671	31.5	824	42.5	675	131.4	3,203	128.1	2,102
Lamar	427.9	409	500.0	51	75.6	74	^	^	46.3	47	^	^	137.5	128	157.5	16
Lauderdale	387.3	2,279	404.8	213	46.4	302	27.3	15	34.5	210	46.6	26	107.1	617	122.6	63
Lawrence	435.6	805	367.6	110	64.5	129	^	^	47.4	90	^	^	115.2	211	132.7	39
Lee	351.8	1,868	358.5	611	43.9	237	34.5	54	26.0	139	39.6	64	106.4	570	109.3	192
Limestone	404.2	1,833	365.5	227	55.9	274	^	^	30.8	146	35.5	23	115.5	524	136.4	87
Lowndes	508.4	110	433.6	211	^	^	35.5	18	^	^	48.8	26	140.3	32	133.2	62
Macon	483.9	120	373.2	417	90.5	24	30.8	37	^	^	50.2	59	122.6	32	113.3	124
Madison	426.5	6,760	386.5	1,606	54.1	914	39.9	166	32.8	527	40.6	162	129.3	2,060	136.8	581
Marengo	431.4	319	325.0	216	55.2	47	25.8	16	39.5	31	44.4	33	144.3	98	105.1	67
Marion	405.4	859	493.6	28	49.4	119	^	^	38.2	76	^	^	124.4	259	294.2	16
Marshall	389.5	2,238	438.6	38	60.5	380	^	^	35.0	204	^	^	96.2	553	^	^
Mobile	410.8	6,968	385.5	3,118	59.6	1,095	42.9	348	38.1	669	45.4	364	119.1	2,002	123.4	1,005
Monroe	397.7	374	365.5	212	50.5	56	^	^	43.6	42	65.9	40	138.5	127	117.9	69
Montgomery	406.7	2,778	380.7	2,486	47.2	357	36.4	231	34.8	264	40.5	269	121.5	800	126.8	844
Morgan	419.2	2,848	410.1	301	59.6	445	43.8	31	38.4	259	68.6	47	119.8	803	107.3	85
Perry	301.1	87	388.4	163	^	^	^	^	^	^	49.4	20	70.5	19	148.4	63
Pickens	416.3	348	474.0	248	51.3	51	52.2	30	33.4	31	41.5	23	157.5	129	198.9	96
Pike	400.7	481	362.9	221	47.3	64	35.9	22	26.6	34	41.5	25	124.9	144	126.6	79
Randolph	380.5	500	390.9	107	51.0	72	^	^	32.2	44	^	^	100.0	128	117.2	33
Russell	465.5	906	321.3	430	81.9	172	28.0	37	44.0	86	41.8	54	121.8	231	102.4	140
St. Clair	414.5	2,022	371.9	134	58.7	309	50.6	15	35.4	175	^	^	122.1	594	133.8	52
Shelby	377.2	3,946	370.3	389	45.4	482	25.8	22	31.7	330	47.8	43	122.2	1,298	125.1	140
Sumter	367.9	88	364.3	229	^	^	28.8	19	^	^	52.2	33	140.3	37	111.9	68
Talladega	413.0	1,573	335.4	479	60.4	253	24.9	36	37.9	152	38.6	53	111.6	420	109.0	159
Tallapoosa	404.2	911	489.7	319	59.8	147	44.9	28	34.1	72	62.4	41	96.3	228	131.0	87
Tuscaloosa	402.6	3,056	389.1	1,164	49.9	404	41.3	121	34.1	264	42.2	127	126.6	944	131.2	395
Walker	450.5	1,930	470.9	105	74.0	349	77.6	17	41.9	178	61.8	15	107.9	468	125.0	29
Washington	394.9	308	361.3	92	44.6	36	^	^	41.4	32	^	^	116.7	94	93.1	25
Wilcox	428.3	110	406.9	200	^	^	36.5	19	44.8	16	55.9	28	93.6	24	114.2	53
Winston	357.8	600	^	^	54.3	106	^	^	34.0	60	^	^	92.6	153	^	^

Rates are per 100,000 and age-adjusted to the 2000 US (19 age groups) standard.
Rates are for malignant cases only, except for All Sites, which contains *in situ* bladder cases.
^Statistic not displayed due to fewer than 15 cases.
Source: Alabama Statewide Cancer Registry (ASCR), 2021. Data Years: 2009-2018.

Table 8. (Continued) Alabama Cancer Incidence Rates and Counts, by County, Females by Race, 2009-2018 Combined

| | Cervix | | | | Oral | | | | Melanoma | | | |
| | White | | Black | | White | | Black | | White | | Black | |
	Rate	Count	Rate	Count	Rate	Count	Rate	Count	Rate	Count	Rate	Count
Alabama	8.7	1,553	10.2	687	7.4	1,731	5.2	378	23.1	4,772	1.0	65
Autauga	9.9	21	^	^	^	^	^	^	32.4	80	^	^
Baldwin	7.4	68	14.4	15	8.1	103	^	^	26.7	296	^	^
Barbour	^	^	^	^	^	^	^	^	23.8	22	^	^
Bibb	^	^	^	^	^	^	^	^	15.8	17	^	^
Blount	9.9	27	^	^	5.6	20	^	^	18.0	63	^	^
Bullock	^	^	^	^	^	^	^	^	^	^	^	^
Butler	^	^	^	^	^	^	^	^	20.3	16	^	^
Calhoun	11.2	53	11.2	15	9.0	57	^	^	19.0	103	^	^
Chambers	15.7	19	^	^	11.2	20	^	^	19.0	27	^	^
Cherokee	12.4	17	^	^	7.8	15	^	^	^	^	^	^
Chilton	10.3	20	^	^	8.6	18	^	^	16.9	39	^	^
Choctaw	^	^	^	^	^	^	^	^	^	^	^	^
Clarke	^	^	^	^	^	^	^	^	40.7	33	^	^
Clay	^	^	^	^	^	^	^	^	19.9	15	^	^
Cleburne	^	^	^	^	^	^	^	^	^	^	^	^
Coffee	8.6	16	^	^	9.0	26	^	^	24.4	56	^	^
Colbert	9.1	21	^	^	6.4	22	^	^	21.3	62	^	^
Conecuh	^	^	^	^	^	^	^	^	^	^	^	^
Coosa	^	^	^	^	^	^	^	^	^	^	^	^
Covington	^	^	^	^	7.4	17	^	^	21.1	49	^	^
Crenshaw	^	^	^	^	^	^	^	^	38.9	24	^	^
Cullman	9.7	43	^	^	7.8	46	^	^	25.4	121	^	^
Dale	11.2	20	^	^	10.1	26	^	^	22.4	53	^	^
Dallas	^	^	13.2	20	^	^	^	^	31.8	26	^	^
DeKalb	9.6	33	^	^	7.6	32	^	^	13.2	51	^	^
Elmore	10.6	36	^	^	8.7	34	^	^	33.2	124	^	^
Escambia	^	^	^	^	8.2	15	^	^	22.0	36	^	^
Etowah	11.9	51	^	^	7.6	50	^	^	19.9	111	^	^
Fayette	^	^	^	^	^	^	^	^	21.4	21	^	^
Franklin	^	^	^	^	^	^	^	^	21.3	35	^	^
Geneva	^	^	^	^	14.1	25	^	^	33.3	50	^	^
Greene	^	^	^	^	^	^	^	^	^	^	^	^
Hale	^	^	^	^	^	^	^	^	^	^	^	^
Henry	^	^	^	^	^	^	^	^	34.1	27	^	^
Houston	10.8	46	13.1	19	9.8	51	^	^	28.6	137	^	^
Jackson	9.6	25	^	^	5.2	17	^	^	19.4	57	^	^
Jefferson	7.9	146	8.8	133	6.7	179	5.0	83	22.8	501	^	^
Lamar	^	^	^	^	^	^	^	^	^	^	^	^
Lauderdale	7.1	31	^	^	5.7	31	^	^	26.0	133	^	^
Lawrence	^	^	^	^	9.6	17	^	^	30.9	52	^	^
Lee	8.7	40	8.7	16	7.7	39	^	^	16.9	83	^	^
Limestone	9.0	35	^	^	6.8	31	^	^	23.5	100	^	^
Lowndes	^	^	^	^	^	^	^	^	^	^	^	^
Macon	^	^	20.1	17	^	^	^	^	^	^	^	^
Madison	7.1	88	8.7	37	7.7	124	3.5	16	23.6	349	^	^
Marengo	^	^	^	^	^	^	^	^	^	^	^	^
Marion	9.3	15	^	^	8.8	18	^	^	10.3	20	^	^
Marshall	11.2	50	^	^	7.8	45	^	^	19.1	102	^	^
Mobile	7.5	98	10.5	80	8.4	140	5.5	47	25.2	388	^	^
Monroe	^	^	^	^	^	^	^	^	22.1	16	^	^
Montgomery	7.8	39	12.8	82	6.4	46	4.6	33	28.7	167	^	^
Morgan	8.0	41	^	^	8.7	63	^	^	23.8	139	^	^
Perry	^	^	^	^	^	^	^	^	^	^	^	^
Pickens	^	^	^	^	^	^	^	^	25.1	16	^	^
Pike	^	^	^	^	^	^	^	^	30.5	32	^	^
Randolph	^	^	^	^	^	^	^	^	^	^	^	^
Russell	11.5	18	^	^	^	^	^	^	21.5	39	^	^
St. Clair	10.4	44	^	^	5.4	26	^	^	21.6	99	^	^
Shelby	4.6	44	^	^	5.8	60	^	^	22.8	227	^	^
Sumter	^	^	^	^	^	^	^	^	^	^	^	^
Talladega	12.3	40	^	^	9.7	37	^	^	17.1	58	^	^
Tallapoosa	9.9	17	26.3	15	^	^	^	^	30.8	60	^	^
Tuscaloosa	8.2	53	10.8	32	6.4	51	^	^	15.6	113	^	^
Walker	13.6	45	^	^	7.0	32	^	^	22.7	81	^	^
Washington	^	^	^	^	^	^	^	^	25.1	16	^	^
Wilcox	^	^	^	^	^	^	^	^	^	^	^	^
Winston	^	^	^	^	9.6	16	^	^	18.8	27	^	^

Rates are per 100,000 and age-adjusted to the 2000 US (19 Age Groups) standard.
Rates are for malignant cases only, except for All Sites, which contains *in situ* bladder cases.
^Statistic not displayed due to fewer than 15 cases.
Source: Alabama Statewide Cancer Registry (ASCR), 2021. Data Years: 2009-2018.

Table 9. Alabama Cancer Mortality Rates and Counts, by Site, Race, and Sex, 2009-2018 Combined

	Male and Female						Male						Female					
	All races		White		Black		All races		White		Black		All races		White		Black	
	Rate	Count	Rate	Count	Rate	Count	Rate	Count	Rate	Count	Rate	Count	Rate	Count	Rate	Count	Rate	Count
All Malignant Cancers	180.2	103,256	176.5	79,062	198.7	23,522	228.4	56,633	221.6	43,755	265.9	12,567	145.9	46,623	143.5	35,307	157.2	10,955
Oral Cavity and Pharynx	2.8	1,618	2.7	1,229	3.0	378	4.6	1,188	4.4	894	5.6	289	1.3	430	1.3	335	1.2	89
Digestive System	43.5	25,097	40.6	18,208	55.9	6,668	56.9	14,532	53.2	10,736	73.9	3,684	32.9	10,565	30.1	7,472	43.3	2,984
Esophagus	3.9	2,299	3.9	1,776	4.0	506	7.0	1,839	7.0	1,454	7.0	372	1.4	460	1.3	322	1.9	134
Stomach	3.3	1,841	2.5	1,093	6.2	719	4.4	1,092	3.3	649	9.1	432	2.4	749	1.8	444	4.2	287
Small Intestine	0.3	183	0.3	123	0.5	59	0.4	92	0.3	63	0.6	29	0.3	91	0.2	60	0.4	30
Colon and Rectum	16.1	9,131	14.8	6,534	21.9	2,545	20.0	4,953	18.4	3,607	27.7	1,322	13.1	4,178	11.9	2,927	17.8	1,223
Colon excluding Rectum	13.4	7,573	12.1	5,358	18.7	2,170	16.4	4,047	15.0	2,927	23.5	1,101	11.0	3,526	9.9	2,431	15.6	1,069
Rectum and Rectosigmoid Junction	2.7	1,558	2.7	1,176	3.1	375	3.5	906	3.4	680	4.2	221	2.1	652	2.1	496	2.3	154
Anus, Anal Canal and Anorectum	0.3	173	0.3	126	0.4	46	0.3	79	0.3	49	0.6	30	0.3	94	0.3	77	0.2	16
Liver and Intrahepatic Bile Duct	6.8	4,006	6.6	2,997	7.3	950	10.0	2,690	9.6	2,009	11.5	646	4.1	1,316	4.0	988	4.3	304
Gallbladder	0.5	284	0.4	191	0.8	88	0.4	105	0.4	75	0.7	28	0.6	179	0.5	116	0.9	60
Pancreas	11.5	6,669	11.0	4,973	14.0	1,646	13.4	3,438	13.0	2,643	15.5	771	9.9	3,231	9.2	2,330	12.7	875
Other Digestive Organs	0.3	146	0.2	94	0.4	49	0.4	90	0.3	59	0.6	30	0.2	56	0.1	35	0.3	19
Respiratory System	54.1	31,740	55.6	25,545	49.7	6,024	75.0	19,220	74.3	15,155	80.3	3,985	38.4	12,520	41.3	10,390	29.0	2,039
Larynx	1.2	731	1.1	511	1.7	218	2.2	600	2.0	413	3.5	186	0.4	131	0.4	98	0.4	32
Lung and Bronchus	52.6	30,848	54.3	24,918	47.7	5,762	72.3	18,514	72.0	14,667	76.3	3,769	37.8	12,334	40.7	10,251	28.4	1,993
Bones and Joints	0.6	342	0.6	255	0.7	83	0.8	195	0.8	145	0.9	47	0.5	147	0.5	110	0.5	36
Soft Tissue including Heart	1.2	650	1.1	470	1.4	174	1.4	339	1.4	261	1.4	74	1.1	311	1.0	209	1.4	100
Skin excluding Basal and Squamous	3.5	1,975	4.3	1,875	0.8	94	5.6	1,332	6.7	1,274	1.1	54	2.1	643	2.6	601	0.6	40
Melanoma of the Skin	2.6	1,457	3.3	1,408	0.4	46	4.0	965	4.9	942	0.5	20	1.6	492	2.0	466	0.4	26
Other Non-Epithelial Skin	0.9	518	1.1	467	0.4	48	1.6	367	1.8	332	0.7	34	0.5	151	0.5	135	0.2	14
Breast	12.3	6,889	11.0	4,831	16.6	2,009	0.3	68	0.3	51	0.4	16	21.8	6,821	19.9	4,780	28.0	1,993
Female Genital System	*	*	*	*	*	*	*	*	*	*	*	*	15.4	4,819	14.4	3,424	19.4	1,355
Cervix Uteri	*	*	*	*	*	*	*	*	*	*	*	*	3.3	916	2.9	576	4.8	334
Corpus and Uterus, NOS	*	*	*	*	*	*	*	*	*	*	*	*	3.5	1,139	2.6	659	6.7	473
Corpus Uteri	*	*	*	*	*	*	*	*	*	*	*	*	1.9	598	1.5	360	3.4	234
Uterus, NOS	*	*	*	*	*	*	*	*	*	*	*	*	1.6	541	1.2	299	3.4	239
Ovary	*	*	*	*	*	*	*	*	*	*	*	*	7.7	2,465	7.9	1,956	6.9	483
Vagina	*	*	*	*	*	*	*	*	*	*	*	*	0.3	81	0.2	62	0.3	19
Vulva	*	*	*	*	*	*	*	*	*	*	*	*	0.5	159	0.6	137	0.3	21
Other Female Genital Organs	*	*	*	*	*	*	*	*	*	*	*	*	0.2	59	0.1	34	0.3	25
Male Genital System	*	*	*	*	*	*	23.4	5,126	18.7	3,304	47.7	1,804	*	*	*	*	*	*
Prostate	*	*	*	*	*	*	22.9	5,004	18.1	3,208	47.1	1,779	*	*	*	*	*	*
Testis	*	*	*	*	*	*	0.2	54	0.3	44	^	^	*	*	*	*	*	*
Penis	*	*	*	*	*	*	0.2	53	0.2	44	^	^	*	*	*	*	*	*
Other Male Genital Organs	*	*	*	*	*	*	0.1	15	^	^	^	^	*	*	*	*	*	*
Urinary System	8.3	4,680	8.6	3,824	7.3	841	13.6	3,216	14.2	2,696	11.1	508	4.5	1,464	4.4	1,128	4.8	333
Urinary Bladder	4.1	2,305	4.4	1,942	3.2	358	7.4	1,681	8.0	1,458	5.1	218	1.9	624	1.9	484	2.1	140
Kidney and Renal Pelvis	3.9	2,263	4.0	1,790	3.9	464	5.9	1,467	5.9	1,180	5.8	281	2.4	796	2.4	610	2.6	183
Ureter	0.1	52	0.1	41	0.1	10	0.1	31	0.1	24	^	^	0.1	21	0.1	17	^	^
Other Urinary Organs	0.1	60	0.1	51	^	^	0.2	37	0.2	34	^	^	0.1	23	0.1	17	^	^
Eye and Orbit	0.1	37	0.1	31	^	^	0.1	20	0.1	17	^	^	0.1	17	0.1	14	^	^
Brain and Other Nervous System	5.0	2,842	5.6	2,439	3.0	388	6.1	1,569	6.8	1,356	3.6	207	4.1	1,273	4.6	1,083	2.5	181
Endocrine System	0.8	415	0.7	317	0.8	96	0.8	192	0.8	158	0.7	33	0.7	223	0.7	159	0.9	63
Thyroid	0.4	249	0.4	195	0.5	53	0.5	113	0.5	99	0.3	14	0.4	136	0.4	96	0.5	39
Other Endocrine including Thymus	0.3	166	0.3	122	0.4	43	0.3	79	0.3	59	0.4	19	0.3	87	0.3	63	0.4	24
Lymphoma	5.9	3,279	6.2	2,736	4.5	517	7.6	1,798	8.0	1,516	5.6	270	4.6	1,481	4.8	1,220	3.8	247
Hodgkin Lymphoma	0.3	186	0.3	144	0.3	42	0.4	108	0.4	82	0.4	26	0.3	78	0.3	62	0.2	16
Non-Hodgkin Lymphoma	5.5	3,093	5.9	2,592	4.2	475	7.1	1,690	7.5	1,434	5.2	244	4.4	1,403	4.6	1,158	3.5	231
Myeloma	3.7	2,079	3.1	1,372	6.1	695	4.6	1,113	4.1	782	7.2	325	3.0	966	2.3	590	5.5	370
Leukemia	6.9	3,809	7.3	3,175	5.2	609	9.3	2,189	9.9	1,860	6.7	315	5.2	1,620	5.4	1,315	4.3	294
Lymphocytic Leukemia	1.6	903	1.8	760	1.2	139	2.2	512	2.4	436	1.6	73	1.2	391	1.3	324	1.0	66
Acute Lymphocytic Leukemia	0.4	189	0.4	160	0.2	26	0.4	96	0.5	85	^	^	0.3	93	0.4	75	0.3	17
Chronic Lymphocytic Leukemia	1.1	615	1.2	516	0.9	98	1.6	360	1.7	304	1.2	55	0.8	255	0.8	212	0.6	43
Myeloid and Monocytic Leukemia	3.1	1,745	3.3	1,451	2.4	281	4.2	1,009	4.5	863	2.9	140	2.4	736	2.5	588	2.1	141
Acute Myeloid Leukemia	2.5	1,412	2.7	1,177	1.9	226	3.3	808	3.5	690	2.5	115	1.9	604	2.1	487	1.6	111
Chronic Myeloid Leukemia	0.3	156	0.3	130	0.2	25	0.4	89	0.4	79	^	^	0.2	67	0.2	51	0.3	16
Other Leukemia	2.1	1,161	2.2	964	1.7	189	2.9	668	3.0	561	2.2	102	1.5	493	1.6	403	1.3	87
Miscellaneous Malignant Cancer	13.1	7,521	12.8	5,726	14.7	1,745	17.1	4,260	16.7	3,303	19.0	924	10.2	3,261	9.8	2,423	11.9	821

Rates are per 100,000 and age-adjusted to the 2000 US (19 age groups) standard.
^Statistic not displayed due to fewer than 10 deaths.
*Statistic not displayed because it is not applicable.
Source: Alabama Statewide Cancer Registry (ASCR), 2021. Data Years: 2009-2018.

Table 10. Trends in Alabama Cancer Mortality Rates, Selected Sites, 2014–2018

Females

Breast — P-Value 0.888

	Rate/Trend	Std. Error	Lower CI	Upper CI
Total PC	4.4			
Total APC	0.2		-3.6	4.1
2014 Rate	21.0	0.8	19.4	22.7
2015 Rate	22.6	0.9	21.0	24.4
2016 Rate	21.0	0.8	19.4	22.7
2017 Rate	21.2	0.8	19.6	22.9
2018 Rate	21.9	0.8	20.3	23.6

Cervix — P-Value 0.250

	Rate/Trend	Std. Error	Lower CI	Upper CI
Total PC	-10.1			
Total APC	-4.5	0.3	-14	5.9
2014 Rate	3.8	0.4	3.1	4.6
2015 Rate	3.9	0.4	3.2	4.8
2016 Rate	3.1	0.3	2.4	3.8
2017 Rate	3.1	0.3	2.4	3.8
2018 Rate	3.4	0.4	2.8	4.2

Males

Prostate — P-Value 0.479

	Rate/Trend	Std. Error	Lower CI	Upper CI
Total PC	-0.6			
Total APC	-1.2		-5.8	3.6
2014 Rate	21.3	1.0	19.4	23.4
2015 Rate	21.7	1.0	19.8	23.8
2016 Rate	21.4	1.0	19.6	23.4
2017 Rate	19.3	0.9	17.6	21.2
2018 Rate	21.2	0.9	19.3	23.1

Males and Females

All Sites — P-Value 0.012

	Rate/Trend	Std. Error	Lower CI	Upper CI
Total PC	-4.3			
Total APC	-1.2*		-1.9	-0.5
2014 Rate	177.9	1.8	174.4	181.4
2015 Rate	175.5	1.8	172.1	179.0
2016 Rate	174.1	1.7	170.7	177.5
2017 Rate	169.6	1.7	166.3	173.0
2018 Rate	170.2	1.7	166.9	173.5

Males and Females

Colorectal — P-Value 0.671

	Rate/Trend	Std. Error	Lower CI	Upper CI
Total PC	-1.7			
Total APC	-0.7		-5.3	4.2
2014 Rate	15.3	0.5	14.3	16.4
2015 Rate	16.4	0.5	15.3	17.5
2016 Rate	14.7	0.5	13.7	15.7
2017 Rate	15.8	0.5	14.8	16.9
2018 Rate	15.1	0.5	14.1	16.1

Lung — P-Value 0.009

	Rate/Trend	Std. Error	Lower CI	Upper CI
Total PC	-13.4			
Total APC	-3.3*		-5.0	-1.6
2014 Rate	52.7	1.0	50.8	54.6
2015 Rate	49.1	0.9	47.3	50.9
2016 Rate	49.1	0.9	47.3	50.9
2017 Rate	46.6	0.9	44.9	48.4
2018 Rate	45.6	0.9	43.9	47.3

Melanoma — P-Value 0.000

	Rate/Trend	Std. Error	Lower CI	Upper CI
Total PC	-18.0			
Total APC	-4.9*		-5.6	-4.2
2014 Rate	2.6	0.2	2.2	3.1
2015 Rate	2.5	0.2	2.1	3.0
2016 Rate	2.4	0.2	2.0	2.8
2017 Rate	2.3	0.2	1.9	2.7
2018 Rate	2.1	0.2	1.8	2.6

Oral — P-Value 0.391

	Rate/Trend	Std. Error	Lower CI	Upper CI
Total PC	17.2			
Total APC	2.4		-5.1	10.6
2014 Rate	2.5	0.2	2.1	3.0
2015 Rate	3.0	0.2	2.6	3.5
2016 Rate	3.1	0.2	2.7	3.6
2017 Rate	2.8	0.2	2.4	3.3
2018 Rate	3.0	0.2	2.5	3.5

Rates are per 100,000 and age-adjusted to the 2000 US (19 age groups) standard; confidence intervals are 95% for rates and trends.
Percent changes (PC) were calculated using 1 year for each end point; Annual Percentage Changes (APCs) were calculated using the weighted least squares method.
*The APC is significantly different from zero ($p < 0.05$).
Source: Alabama Statewide Cancer Registry (ASCR), 2021. Data Years: 2014–2018.

Table 11. Alabama and United States Cancer Incidence Rates, by Site, Race, and Sex, 2009-2018						
	Males and Females					
	Alabama			**United States**		
	All Races	**White**	**Black**	**All Races**	**White**	**Black**
All Sites	456.4#	453.0^	455.6^	451.9	462.9	466.2
Lung and Bronchus	67.5#	70.0#	59.6	54.4	55.9	61.0
Colon and Rectum	43.5#	41.5#	50.5	39.5	38.9	47.3
Melanoma of the Skin	21.9^	28.4	1.0	23.0	27.7	1.0
	Males					
	Alabama			**United States**		
	All Races	**White**	**Black**	**All Races**	**White**	**Black**
All Sites	532.6#	517.8#	562.4	500.1	507.7	554.6
Lung and Bronchus	88.5#	88.3#	90.8#	63.2	63.5	80.3
Colon and Rectum	51.0#	48.7#	59.8#	45.2	44.4	55.0
Melanoma of the Skin	28.7^	35.8	1.0	29.9	35.5	1.1
Prostate	130.6#	107.5^	199.3#	119.0	112.7	189.1
	Females					
	Alabama			**United States**		
	All Races	**White**	**Black**	**All Races**	**White**	**Black**
All Sites	401.3^	406.6^	383.0^	419.2	433.0	405.7
Lung and Bronchus	51.6#	55.9#	38.0^	47.7	50.2	47.9
Colon and Rectum	37.4#	35.4#	43.9	34.7	34.2	41.8
Melanoma of the Skin	17.2^	23.1#	1.0	17.9	22.0	1.0
Breast	120.7^	118.1^	126.5	126.7	129.3	126.7
Cervix	9.0#	8.7#	10.2#	7.5	7.6	8.6

Rates are per 100,000 and age-adjusted to the 2000 US (19 age groups) standard.
* All rates are for malignant cases only, except the rates for All Sites, which includes bladder cancer *in situ*.
# The incidence rate for Alabama is signficantly higher than the incidence rate for the United States (p<0.05).
^ The incidence rate for Alabama is signficantly lower than the incidence rate for the United States (p<0.05).
Source: Alabama Data: Alabama Statewide Cancer Registry (ASCR), 2021. Data Years: 2009-2018.
Source: United States Data: SEER Research Data, 18 Registries Nov. 2020 Submisison. Data Years: 2009-2018.

Table 12. Alabama and United States Cancer Mortality Rates, by Site, Race, and Sex, 2009-2018						
	Males and Females					
	Alabama			**United States**		
	All Races	**White**	**Black**	**All Races**	**White**	**Black**
All Sites	180.2#	176.5#	198.7#	161.7	162.3	186.5
Lung and Bronchus	52.6#	54.3#	47.7#	41.9	42.8	44.2
Colon and Rectum	16.1#	14.8#	21.9#	14.3	13.9	19.1
Melanoma of the Skin	2.6	3.3#	0.4	2.5	2.9	0.4
	Males					
	Alabama			**United States**		
	All Races	**White**	**Black**	**All Races**	**White**	**Black**
All Sites	228.3#	221.5#	265.9#	193.8	193.7	234.8
Lung and Bronchus	72.3#	72.0#	76.3#	51.8	52.0	61.9
Colon and Rectum	20.0#	18.4#	27.7#	17.0	16.6	23.9
Melanoma of the Skin	4.0	4.9#	0.5	3.7	4.2	0.4
Prostate	22.9#	18.1	47.1#	19.7	18.4	40.0
	Females					
	Alabama			**United States**		
	All Races	**White**	**Black**	**All Races**	**White**	**Black**
All Sites	145.9#	143.5#	157.2	138.4	139.1	156.6
Lung and Bronchus	37.8#	40.7#	28.4^	34.3	35.7	32.2
Colon and Rectum	13.1#	11.9	17.8#	12.0	11.8	15.8
Melanoma of the Skin	1.6	2.0	0.4	1.5	1.8	0.3
Breast	21.8#	19.9	28.0	20.8	20.3	28.4
Cervix	3.3#	2.9#	4.8#	2.3	2.1	3.6

Rates are per 100,000 and age-adjusted to the 2000 US (19 age groups) standard.
The mortality rate for Alabama is signficantly higher than the rate for United States (p<0.05).
^ The mortality rate for Alabama is signficantly lower than the rate for United States (p<0.05).
Source: Alabama Data: Alabama Statewide Cancer Registry (ASCR), 2021. Data Years: 2009-2018.
Source: United States Data: CDC WONDER, 2021. Data Years: 2009-2018.

Health Risk and Cancer Screening Behaviors Tables

Table 13. Percentage of Tobacco Use, Adults, Alabama and the US, 2019

Current Cigarette Smoking	Alabama	United States
Total Adults	20.3	16.0
Male Adults	22.4	17.1
Female Adults	18.4	13.5
Low Education	35.1	25.2
White	19.8	15.9
Black	20.3	17.6

Source: Behavioral Risk Factor Surveillance System. Centers for Disease Control and Prevention.

Table 14. Percentage of Colorectal Cancer Screening, Adults 50-75 Years Old, Alabama and the US, 2018

Met USPSTF Recommendation	Alabama	United States
Total Adults	70.4	69.6
Male Adults	66.3	67.5
Female Adults	74.0	71.4
White	72.1	70.9
Black	65.7	69.7
Low Education	63.7	56.2

Source: Behavioral Risk Factor Surveillance System. Centers for Disease Control and Prevention.

Table 15. Percentage of Breast Cancer Screening, Women 50 and Older, Alabama and the US, 2018

Mammogram in the Past 2 Years	Alabama	United States
50 years and older	80.4	78.3
White	77.9	72.2
Black	86.8	78.3
Low Education	76.5	65.9

Source: Behavioral Risk Factor Surveillance System. Centers for Disease Control and Prevention.

Table 16. Percentage of Prostate Cancer Screening, Men 50 and Older, Alabama and the US, 2018

PSA within the Past Two Years	Alabama	United States
50-59 Years Old	39.3	26.6
60-64 Years Old	37.9	40.4
65 Years and Older	60.9	46.5
White	41.6	43.9
Black	30.7	33.4
Low Education	26.8	22.9

Source: Behavioral Risk Factor Surveillance System, Centers for Disease Control and Prevention.

Table 17. Percentage of Cervical Cancer Screening, Women 21-65, Alabama and the US, 2018

Pap Test within the Past 3 Years	Alabama	United States
Total 21-65	**80.2**	80.8
White	**79.0**	80.1
Black	**85.5**	84.8
Low Education	**57.6**	74.4

Source: Behavioral Risk Factor Surveillance System, Centers for Disease Control and Prevention.

Table 18. Percentage of Fruit and Vegetable Intake, Adults 18 and Older, Alabama and the US, 2019

Consuming Vegatables Less than One Time Daily	Alabama	United States
Total Adults	22.3	20.4
Male Adults	23.0	24.0
Female Adults	21.7	18.6
White	19.3	16.9
Black	31.4	27.1
Low Education	34.2	36.4
Consuming Fruit Less than One Time Daily	**Alabama**	**United States**
Total Adults	46.1	39.3
Male Adults	47.7	42.4
Female Adults	44.7	36.4
White	47.4	39.4
Black	44.9	42.8
Low Education	49.0	41.2

Source: Behavioral Risk Factor Surveillance System. Centers for Disease Control and Prevention.

Table 19. Percentage of Physical Activity, Adults 18 and Older, Alabama and the US, 2019

Participated in >=150 Minutes Aerobic Physical Activity per Week	Alabama	United States
Total	44.8	50.4
Male	45.9	52.2
Female	42.9	48.8
White	46.9	53.7
Black	38.8	44.2
Low Education	36.1	35.5

Source: Behavioral Risk Factor Surveillance System, Centers for Disease Control and Prevention.

Table 20. Percentage of Overweight and Obese*, Adults 18 and Older, Alabama and the US, 2019

Overweight and Obese	Alabama	United States
Total	**70.3**	66.7
Male	**74.4**	71.0
Female	**66.3**	62.1
White	**68.4**	65.9
Black	**77.3**	73.3
Low Education	**73.6**	71.7

Source: Behavioral Risk Factor Surveillance System, Centers for Disease Control and Prevention. *BMI 25 and over.

Sources

1. American Cancer Society. *Cancer Facts & Figures 2021*. Atlanta: American Cancer Society; 2021.

2. Alabama Statewide Cancer Registry (ASCR), 2021. Data Years: 2009-2018 (Incidence and Mortality). Alabama Department of Public Health.

3. Surveillance, Epidemiology, and End Results (SEER) Program SEER*Stat Database: Incidence - SEER Research Data, 18 Registries, Nov 2020 Submission. www.seer.cancer.gov Data Years: 2009-2018.

4. Centers for Disease Control and Prevention (CDC), National Center for Health Statistics (NCHS), National Vital Statistics System (NVSS), 2021. wonder.cdc.gov/cancer.html. Data Years: 2009-2018.

5. Behavioral Risk Factor Surveillance System, 2021. Centers for Disease Control and Prevention.

Technical Notes

International Classification of Diseases (ICD) codes used for this report were based on the North American Association of Central Cancer Registries (NAACCR) list for incidence and mortality. The International Classification of Diseases for Oncology, Third Edition (2000) was used for incidence data. The International Classification of Diseases, Tenth Revision, Clinical Modification (2003) was used for mortality data. The 95 percent confidence intervals were calculated for incidence and mortality data and used to determine the level of significance when comparing two rates. If the confidence intervals overlapped, it was determined that no difference existed between the two rates.

Materials & Methods

Population Estimates

The population estimates for the denominators of incidence and mortality rates are race-specific (all races, white, black) and sex-specific county population estimates. The county population estimates were incorporated into the National Cancer Institute's (NCI) SEER*Stat software to calculate cancer incidence and mortality rates. The SEER*Stat population estimates are a slight modification of the annual time series of July 1 county population estimates (by age, sex, and race) produced by the Population Estimates Program of the US Bureau of the Census with support from NCI through an interagency agreement.

Data Sources

Data from cancer registries, health information departments, histopathologic laboratories, and physician offices were reported to the Alabama Statewide Cancer Registry (ASCR) as of January 15, 2021. For cancer cases diagnosed during 2009-2018, the ASCR considered as reportable all incident cases with a behavior code of 3 (invasive, primary site only) in the International Classification of Diseases for Oncology (ICDO) Third Edition, except for *in situ* cancer of the bladder which was included. Basal and squamous cell carcinomas of the skin were excluded, except for those on the skin of the genital organs. The primary source of cancer incidence data is medical records. Staff at health care facilities abstract cancer incidence data from patients' medical records, enter the data into the facility's own cancer registry if it has one, and send the data to the ASCR. All reporting sources collect data using uniform data items and codes as documented by the North American Association of Central Cancer Registries. This uniformity means that data items collected by all reporting sources are comparable. For this report, information on primary cancer sites was coded according to the appropriate ICDO edition and was grouped according to revised SEER recodes dated March 19 2013, which define standard groupings of primary cancer sites. The SEER/World Health Organization 2008 recodes were used to ensure consistent site-type definitions over time and consistency with other published cancer incidence and mortality data. Invalid site codes were excluded from the analysis.

Age-adjusted Incidence Rates

Because the occurrence of many cancers increases with age and because the age distribution of a population (i.e., the number of people in particular age categories) can change over time and can be different in different geographic areas, researchers age adjust incidence rates so that they can make a valid comparison between one year's rates and those of another year or between one geographic area's rates and those of another area. Age adjusting the rates ensures that differences in incidence from one year to another or from one geographic area to another are not due to differences in age distribution. The standard population used to age adjust the rates for this report is the 2000 US standard population, in accordance with a 1998 Department of Health and Human Services recommendation. The 2000 US standard population is based on the proportion of the 2000 population in specific age groups. The proportions of the 2000 population in these age groups serve as weights for calculating age-adjusted incidence rates.

Age-adjusted Mortality Rates

Mortality data for Alabama was obtained from the Alabama Department of Public Health Center for Health Statistics, and age-adjusted rates were calculated using the 2000 US standard population. Prior to the release of *Alabama Cancer Facts & Figures 2007*, cancer deaths of Alabama residents that occurred outside of the state were omitted from the rates. Beginning with *Alabama Cancer Facts & Figures 2007*, these deaths were included in the rate calculations.

Annual Percentage Change (APC)

The annual percentage change (APC) is a summary statistic that represents the average rate of change in a rate over a defined time period and is used to measure trends over time. The APC is calculated by fitting a least squares regression line to the natural logarithm of the rates using the calendar year as a regressor variable.

Interpreting the Data

Published age-adjusted cancer incidence and mortality rates for years before 1999 were calculated using standard populations other than the 2000 US standard population. Beginning with the publication of data for the 1999 diagnosis year, or year of death, cancer incidence and mortality rates were age adjusted to the 2000 US standard population. This change was motivated by a need to standardize age-adjustment procedures across publications and to update the calculation of age-adjusted rates to more closely reflect the current age distribution of the US population and the current burden of cancer. Because of the aging of the US population, the 2000 US standard population gives more weight to older age categories than did previous standard populations. Caution should be used when comparing the data published here with cancer incidence and mortality rates adjusted to standard populations other than the 2000 US standard population. Geographic variation in incidence and mortality rates may be the result of regional differences in the exposure of the population to known or unknown risk factors. Differences may arise because of differences in sociodemographic characteristics of the populations (e.g., age, race, or ethnicity, geographic region, urban, or rural residence), screening use, health-related behaviors (e.g., behaviors related to tobacco use, diet, physical activity), exposure to cancer-causing agents, or factors related to registry operations (e.g., completeness, timeliness, specificity in coding cancer sites). Work continues to ensure the reporting of high-quality data. Please note that differences in registry database completeness and data quality do influence the estimated cancer incidence rates. Because 2016 cases were estimated to be 97 percent complete at the time of this publication, some rates, especially all sites combined, may vary slightly from the "true" or final rates for the Alabama population. The rates presented here have not been adjusted for completeness differences across the database. The ASCR may update the previous years' data as cancer registries submit data for the new diagnosis year and additional cases from the previous diagnosis years. Users of cancer incidence data should be mindful of this issue for all data used in their comparisons. Race information reported to the ASCR is not self-reported by the patient. Information on race is abstracted from medical records, coded according to standard procedures, and grouped into standard race groupings. In this *Alabama Cancer Facts & Figures* report, cancer incidence and mortality data are presented for all races combined and for white and black populations in Alabama.

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