

Lung Cancer among Males in Georgia

2011-2015

Lung and Bronchus Cancer - Georgia

Lung cancer is the second most common cancer diagnosed in Georgia; lung cancer accounts for 15% of all newly diagnosed cancers and 31% of all cancer deaths among males in Georgia.

Incidence

- During 2011-2015, the lung cancer incidence rate among Georgia males (83.7/100,000) was 16% higher than among U.S. males (72.7/100,00).
- Yearly, an average of 3,690 new cases of lung cancer are diagnosed among males in Georgia.
- In 2015, 3,701 new cases of lung cancer were diagnosed among Georgia males.
- During 2000-2015, lung cancer incidence rates among Georgia males decreased at an average annual rate of 1.7% (Figure 1).

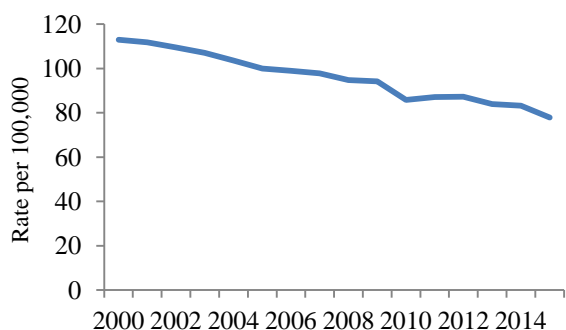


Figure 1. Age-Adjusted Lung Cancer Incidence Among Males, Georgia, 2000-2015.

Mortality

- During 2011-2015, the lung cancer mortality rate was higher among Georgia males than U.S. males by 13%.
- Yearly, an average of 2,630 Georgia males die from lung cancer.
- In 2015, 3,030 lung cancer deaths occurred among Georgia males.
- During 1990-2004, lung cancer mortality rates among males decreased at an average annual rate of 1.8%, followed by a more rapid decrease of 3.6% per year during 2004-2013 (Figure 2).

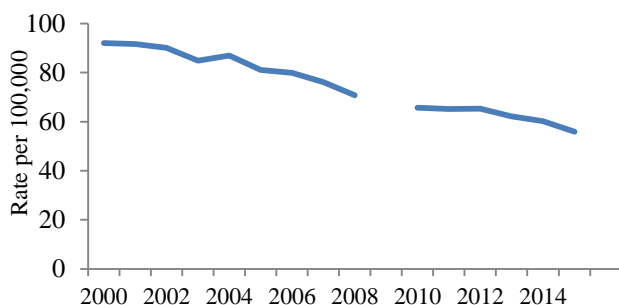


Figure 2. Age-Adjusted Lung Cancer Mortality Among Males, Georgia, 2000-2015*

Race/Ethnicity

- Lung cancer incidence rates among Non-Hispanic (NH) Black males were similar to those among NH White males in Georgia (Figure 3).

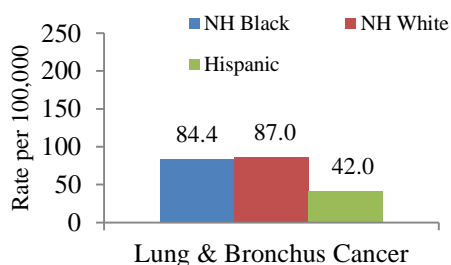


Figure 3. Age-Adjusted Lung Cancer Incidence Rates Among Males by Race/Ethnicity, Georgia, 2011-2015.

Race

- Lung cancer mortality rates among NH Black males were similar to those among NH White males in Georgia (Figure 4).

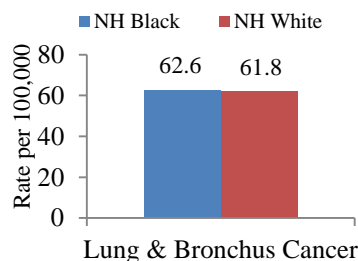


Figure 4. Age-Adjusted Lung Cancer Mortality Rates Among Males by Race, Georgia, 2011-2015.



*Due to data quality issues, 2009 mortality data are not used for analysis

Stage of Disease and Survival among Georgia Males

- Finding lung cancer at an early stage (Insitu or local) improves chances of survival.
- At a local stage, the overall survival rate in Georgia is 45%, but only 24% when discovered at a regional stage and 4% when discovered at a distant stage among males (*Figure 5*).
- In Georgia, only 11% of lung cancer cases among NH Black males and 16% of lung cancer cases among NH white males were found at a localized stage (*Table 1*).

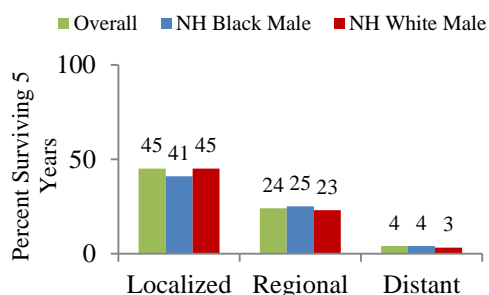


Figure 5. Survival by Stage at Diagnosis for Lung and Bronchus Cancer; Males, Georgia, 2007-2013.

		Localized	Regional	Distant
% of tumors found at this stage*	NH Black Males	11%	21%	64%
	NH White Males	16%	24%	57%

Table 1. Percent of tumors found by stage; Males, Georgia, 2007-2013.

*Unstaged tumors are not shown.

Lung Cancer Incidence, Georgia

By District

The Northwest (1-1), South Central (5-1), North Central (5-2), South (8-1), Southwest (8-2), and Southeast (9-2) Public Health Districts had significantly higher lung cancer incidence rates than the state rate (*Figure 6*).

By Cancer Coalition Region

80% of the counties in the Northwest Georgia Cancer Coalition Region had higher lung cancer incidence rates than the state rate (*Figure 8*).

By County

Appling, Barrow, Bartow, Ben Hill, Bibb, Bryan, Butts, Carroll, Chattooga, Colquitt, Crawford, Dougherty, Emanuel, Floyd, Franklin, Gordon, Jones, Laurens, Lee, Madison, Monroe, Murray, Pierce, Polk, Screven, Spalding, Stephens, Tattall, Thomas, Tift, Toombs, Turner, Twiggs, Upson, Walker, Ware, Whitfield, Wilkinson, and Worth Counties had significantly higher lung cancer incidence rates than the overall state rate (*Figure 10*).

Lung Cancer Mortality, Georgia

By District

Northwest (1-1), South Central (5-1), North Central (5-2), East Central (6), South (8-1), Southwest (8-2), Southeast (9-2), and Northeast (10) Public Health Districts had significantly higher lung cancer mortality rates than the overall state rate. (*Figure 7*).

By Cancer Coalition Region

Almost 50% of the counties in the Northwest Georgia, Central Georgia, South Georgia and East Georgia Cancer Coalition Regions had higher lung cancer mortality rates than the overall state rate (*Figure 9*).

By County

Barrow, Bibb, Brantley, Butts, Carroll, Chattooga, Coffee, Colquitt, Cook, Crawford, Dodge, Dougherty, Elbert, Emanuel, Gordon, Grady, Habersham, Heard, Jeff Davis, Jefferson, Laurens, Lee, Madison, Murray, Pierce, Polk, Richmond, Stephens, Tattall, Thomas, Toombs, Upson, Walker, Wayne, Wheeler, and Worth Counties had significantly higher lung cancer mortality rates than the state rate. (*Figure 11*).

Lung Cancer among Males in Georgia 2011-2015

Georgia Lung Cancer Maps 2011-2015

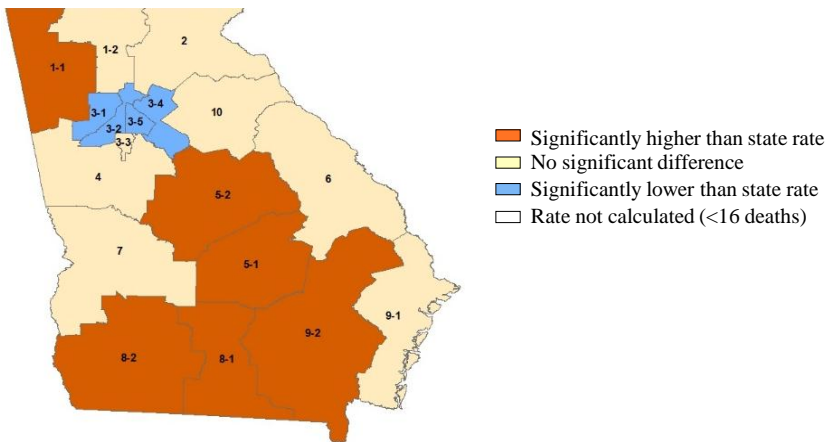


Figure 6. Age-Adjusted Lung and Bronchus Cancer Incidence Rates among Males by Public Health District, Georgia, 2011-2015.

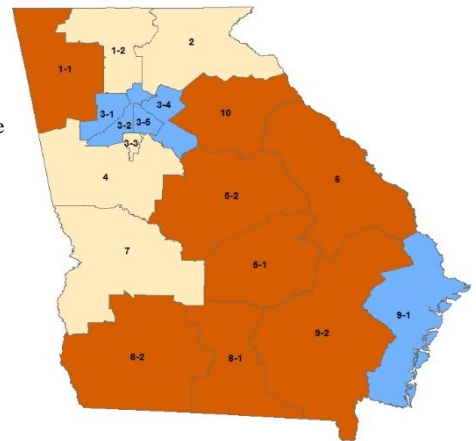


Figure 7. Age-Adjusted Lung and Bronchus Cancer Mortality Rates among Males by Public Health District, Georgia, 2011-2015.*

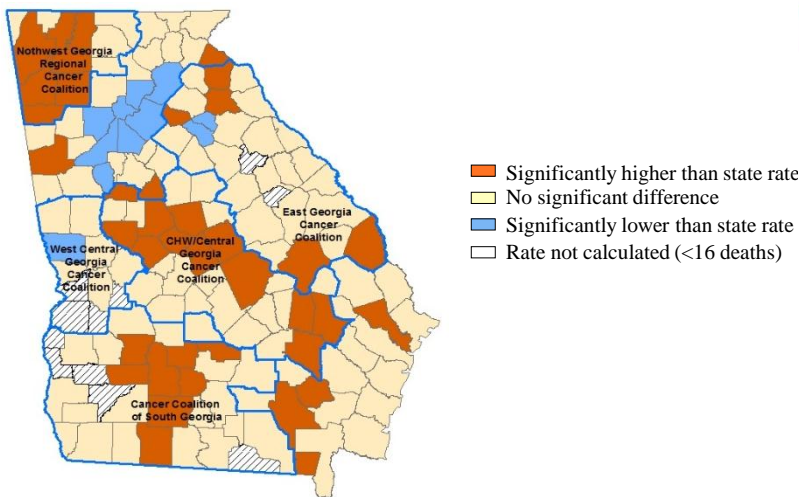


Figure 8. Age-Adjusted Lung and Bronchus Cancer Incidence Rates among Males by Cancer Coalition Region, Georgia, 2011-2015.

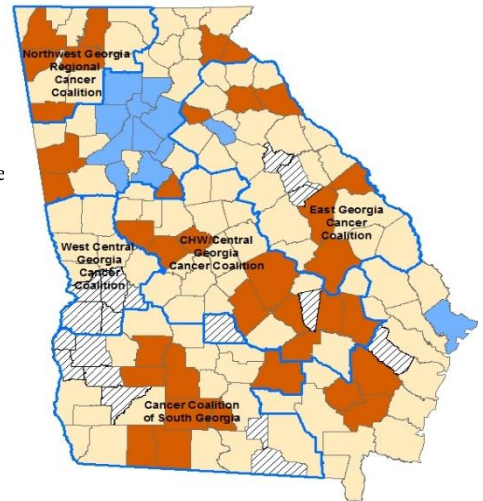


Figure 9. Age-Adjusted Lung and Bronchus Cancer Mortality Rates among Males by Cancer Coalition Region, Georgia, 2011-2015.*

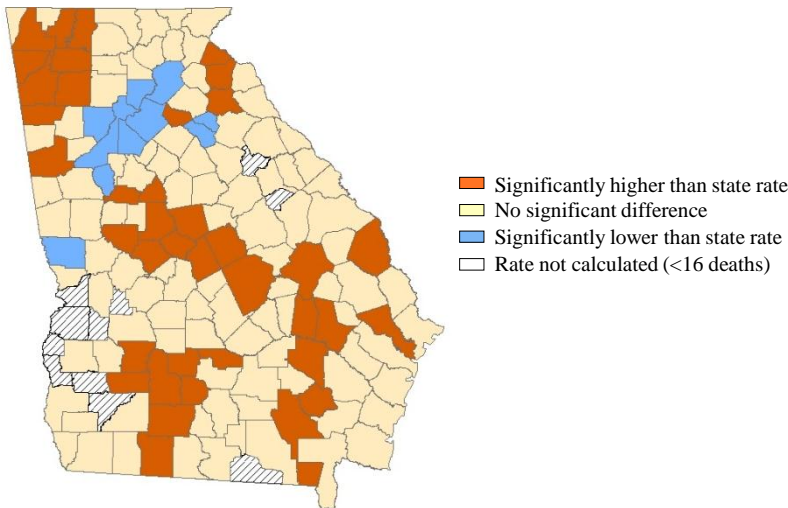


Figure 10. Age-Adjusted Lung and Bronchus Cancer Incidence Rates among Males by County, Georgia, 2011-2015.

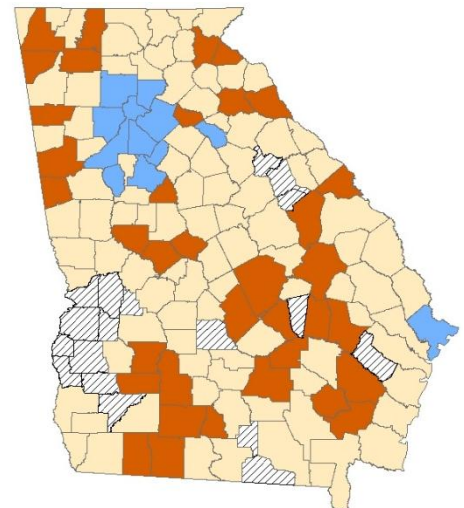


Figure 11. Age-Adjusted Lung and Bronchus Cancer Mortality Rates among Males by County, Georgia, 2011-2015.*

*Due to data quality issues, 2009 mortality data are not used for analysis

Lung Cancer among Males in Georgia 2011-2015

Lung Cancer Incidence Among Males, Georgia, 2011-2015

Public Health District	Counties	Public Health District Age-Adjusted Rate/ 100,000 (95% CI)	Cancer Coalition Region	Counties	Cancer Coalition Age-Adjusted Rate/ 100,000 (95%CI)
1-1 Northwest	Bartow, Catoosa, Chattooga, Dade, Floyd, Gordon, Haralson, Paulding, Polk, Walker	101.6 (96.4, 106.8)	Northwest Georgia Regional Cancer Coalition	Bartow, Catoosa, Chattooga, Dade, Floyd, Gordon, Haralson, Paulding, Polk, Walker	100.0 (95.7, 104.4)
1-2 North Georgia	Cherokee, Fannin, Gilmer, Gilmer, Murray, Pickens, Whitfield	87.5 (81.7, 93.2)	Northwest Georgia Regional Cancer Coalition	Fannin, Gilmer, Murray, Pickens, Whitfield	100.0 (95.7, 104.4)
			Secondary Service Area of CRCCG (1)	Cherokee	71.3 (69.6, 73.0)
2-0 North	Banks, Dawson, Forsyth, Franklin, Habersham, Hall, Hart, Lumpkin, Rabun, Stephens, Towns, Union, White	80.9 (76.5, 85.2)	Secondary Service Area of CRCCG (1)	Dawson, Forsyth, Habersham, Hall, Lumpkin, Rabun, Stephens, Towns, Union, White	71.3 (69.6, 73.0)
			East Georgia Cancer Coalition	Banks, Franklin, Hart	90.5 (86.6, 94.4)
3-1 Cobb-Douglas	Cobb & Douglas	71.3 (66.8, 75.8)	Secondary Service Area of CRCCG (1)	Cobb & Douglas	71.3 (69.6, 73.0)
3-2 Fulton	Fulton	63.3 (59.4, 67.1)	Secondary Service Area of CRCCG (1)	Fulton	71.3 (69.6, 73.0)
3-3 Clayton	Clayton	78.2 (68.7, 87.7)	Secondary Service Area of CRCCG (1)	Clayton	71.3 (69.6, 73.0)
3-4 East Metro	Gwinnett, Rockdale, Newton	65.0 (60.7, 69.2)	Secondary Service Area of CRCCG (1)	Gwinnett, Newton, Rockdale	71.3 (69.6, 73.0)
3-5 DeKalb	DeKalb	63.4 (58.7, 68.0)	Secondary Service Area of CRCCG (1)	DeKalb	71.3 (69.6, 73.0)
4-0 LaGrange	Butts, Carroll, Coweta, Fayette, Heard, Henry, Lamar, Meriwether, Pike, Spalding, Troup, Upson	86.9 (82.4, 91.3)	Secondary Service Area of CRCCG (1)	Butts, Carroll, Coweta, Fayette, Heard, Henry, Spalding	71.3 (69.6, 73.0)
			West Central Georgia Cancer Coalition	Troup, Meriwether	85.4 (78.9, 91.8)
			CHW/Central Georgia	Lamar, Pike, Upson	104.2 (99.7, 108.6)
5-1 South Central	Bleckley, Dodge, Johnson, Laurens, Montgomery, Pulaski, Telfair, Treutlen, Wheeler, Wilcox	103.6 (93.6, 113.4)	CHW/Central Georgia	Bleckley, Dodge, Laurens, Montgomery, Pulaski, Telfair, Treutlen, Wheeler, Wilcox	104.2 (99.7, 108.6)
			East Georgia Cancer Coalition	Johnson	90.5 (86.6, 94.4)
5-2 North Central	Baldwin, Bibb, Crawford, Hancock, Houston, Jasper, Jones, Monroe, Peach, Putnam, Twiggs, Washington, Wilkinson	103.6 (97.9, 109.3)	CHW/Central Georgia	Baldwin, Bibb, Crawford, Houston, Jasper, Jones, Monroe, Peach, Putnam, Twiggs, Wilkinson	104.2 (99.7, 108.6)
			East Georgia Cancer Coalition	Hancock, Washington	90.5 (86.6, 94.4)
6-0 East Central	Burke, Columbia, Emanuel, Glascock, Jefferson, Jenkins, Lincoln, McDuffie, Richmond, Screven, Taliaferro, Warren, Wilkes	89.4 (83.6, 95.1)	East Georgia Cancer Coalition	Burke, Columbia, Emanuel, Glascock, Jefferson, Jenkins, Lincoln, McDuffie, Richmond, Screven, Taliaferro, Warren, Wilkes	90.5 (86.6, 94.4)
7-0 West Central	Chattahoochee, Clay, Crisp, Dooly, Harris, Macon, Marion, Muscogee, Quitman, Randolph, Schley, Stewart, Sumter, Talbot, Taylor, Webster	86.6 (80.2, 92.8)	West Central Georgia Cancer Coalition	Chattahoochee, Harris, Marion, Muscogee, Schley, Stewart, Talbot, Taylor, Webster	85.4 (78.9, 91.8)
			Cancer Coalition of South Georgia	Clay, Crisp, Quitman, Randolph, Sumter	103.2 (98.4, 108.0)
			CHW/Central Georgia	Dooly, Macon	104.2 (99.7, 108.6)
8-1 South	Ben Hill, Berrien, Brooks, Cook, Echols, Irwin, Lanier, Lowndes, Tift, Turner	98.5 (90.2, 106.7)	Cancer Coalition of South Georgia	Ben Hill, Berrien, Brooks, Cook, Echols, Irwin, Lanier, Lowndes, Tift, Turner	103.2 (98.4, 108.0)
8-2 Southwest	Baker, Calhoun, Colquitt, Decatur, Dougherty, Early, Grady, Lee, Miller, Mitchell, Seminole, Terrell, Thomas, Worth	107.8 (100.8, 114.7)	Cancer Coalition of South Georgia	Baker, Calhoun, Colquitt, Decatur, Dougherty, Early, Grady, Lee, Miller, Mitchell, Seminole, Terrell, Thomas, Worth	103.2 (98.4, 108.0)
9-1 Coastal	Bryan, Camden, Chatham, Effingham, Glynn, Liberty, Long, McIntosh	82.1 (77.0, 87.0)	Secondary Service Area of CRCCG (2)	Bryan, Camden, Chatham, Effingham, Glynn, Liberty, Long, McIntosh	86.5 (82.1, 90.9)
9-2 Southeast	Appling, Atkinson, Bacon, Brantley, Bulloch, Candler, Charlton, Clinch, Coffee, Evans, Jeff Davis, Pierce, Tattnall, Toombs, Ware, Wayne	103.9 (96.9, 110.7)	CHW/Central Georgia	Appling, Bacon, Candler, Jeff Davis, Tattnall, Toombs,	104.2 (99.7, 108.6)
			Cancer Coalition of South Georgia	Atkinson, Clinch, Coffee	103.2 (98.4, 108.0)
			Secondary Service Area of CRCCG (2)	Bulloch, Brantley, Charlton, Evans, Pierce, Ware, Wayne	86.5 (82.1, 90.9)
10 Northeast	Barrow, Clarke, Elbert, Greene, Jackson, Madison, Morgan, Oconee, Oglethorpe, Walton	89.6 (83.7, 95.4)	East Georgia Cancer Coalition	Barrow, Clarke, Elbert, Greene, Jackson, Madison, Morgan, Oconee, Oglethorpe, Walton	90.5 (86.6, 94.4)

Lung Cancer Risks and Prevention

Lung Cancer Risk Factors

- Tobacco use (accounts for about 80% of all lung cancer deaths)
- Exposure to environmental (second-hand) tobacco smoke
- Exposure to certain industrial substances such as arsenic, diesel exhaust, radon, and asbestos, particularly for person who smoke
- Radiation exposure from occupational, medical, and environmental sources
- Air pollution

Lung Cancer Prevention

The best strategy for preventing lung cancer is to not smoke or to stop smoking and to avoid exposure to environmental or second-hand smoke. People who work with potentially cancer-causing chemicals should take appropriate protective measures to avoid harmful exposure.

Need Help Quitting?

Ask Your Georgia Health Care Provider about Georgia cAARds

Referring to the Georgia Tobacco Quitline (GTQL):

Georgia cAARds Program: Ask, Advise, and Refer with with Follow-up:

Ask all patients about tobacco use during each visit

Advise them about the benefits of tobacco cessation

Refer them to the Georgia Tobacco Quit Line for a free “Quit Kit”, individualized plan and behavioral counseling : 1-877-270- STOP

Complete the Georgia Tobacco Quit Line fax Referral Form with the patient

GTQL Fax Referral Form can be downloaded from DPH’s website

Inform the patient they will be contacted by a Georgia Tobacco Quit Like staff member within 48 hours or less

Georgia Tobacco Quit Line: 1-877-270-STOP (7867)

Spanish: 1-855 DEJELO-YA (335-35692)

Hearing Impaired: 1-877-777-6534

Open 24 hours/ 7 days a week