

Louisiana Cancer Facts & Figures, Lung and Bronchus Cancer

Louisiana Tumor Registry

July, 2017

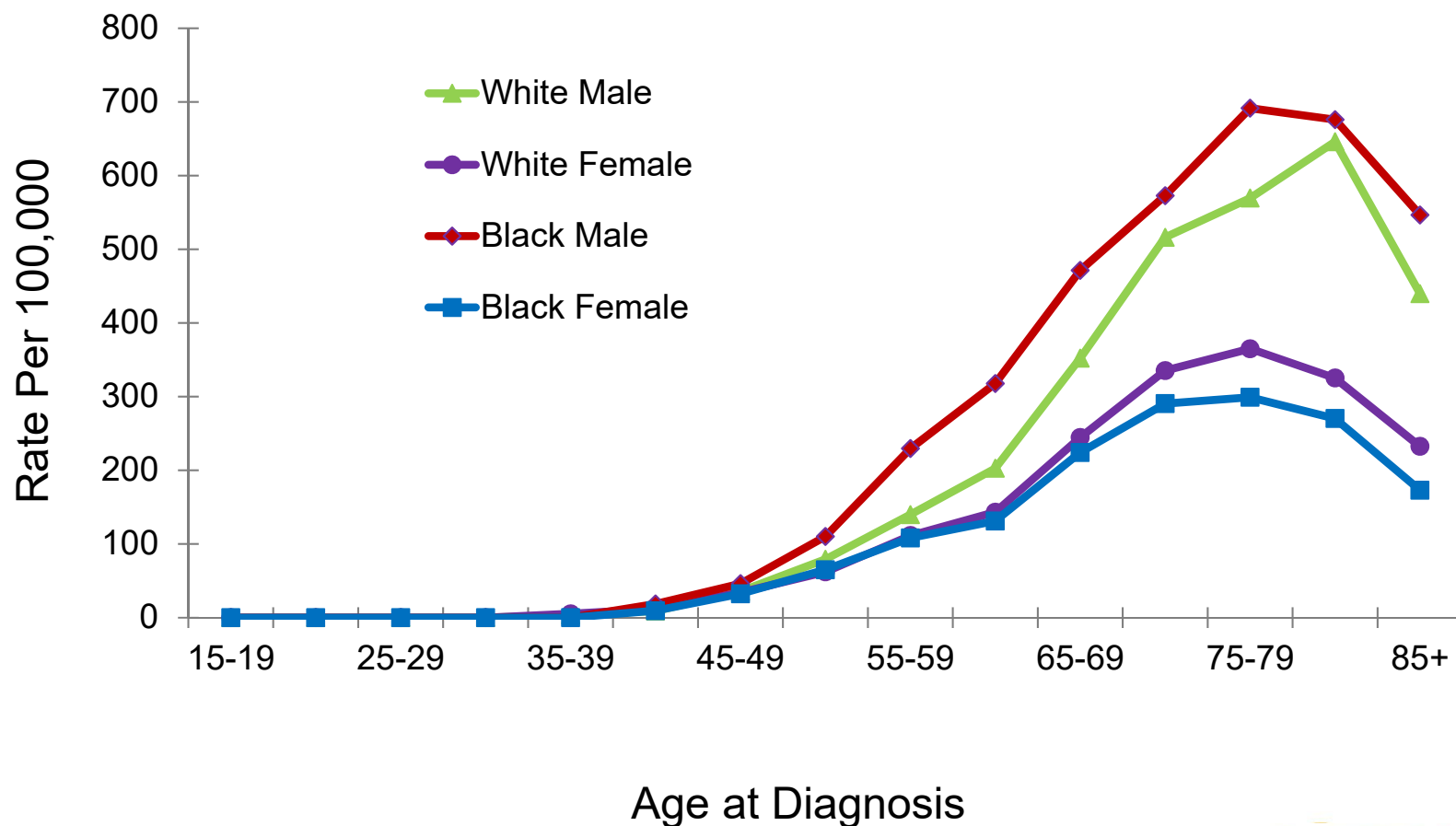
Lung and Bronchus Cancer

- Lung cancer was the 1st most common cancer and the leading cause of cancer deaths in Louisiana from 2010 to 2014.¹
- Between 2010 and 2014, the Louisiana incidence rate for lung cancer and the mortality rate both ranked 7th in the nation.¹
- About 3,510 new lung cancers are expected to be diagnosed and about 2,610 patients are expected to die of lung cancer in 2017 in Louisiana.²

1. Data source: [NCI state cancer profile](#).

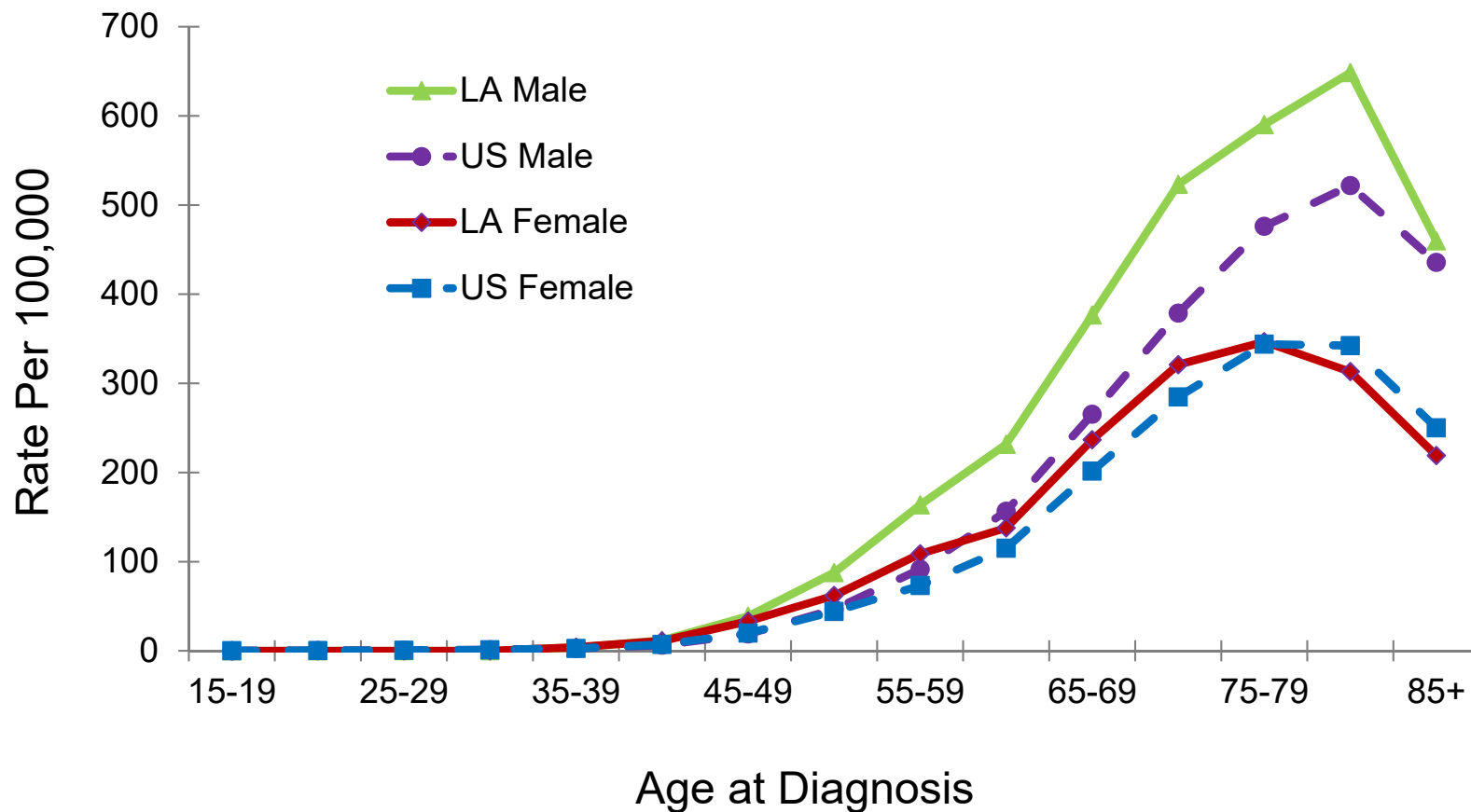
2. Data source: [American Cancer Society, Cancer Facts & Figures 2017](#).

Lung and Bronchus Cancer: Age-Specific Incidence Rates[#], Louisiana, 2010-2014



[#]Invasive cases only.

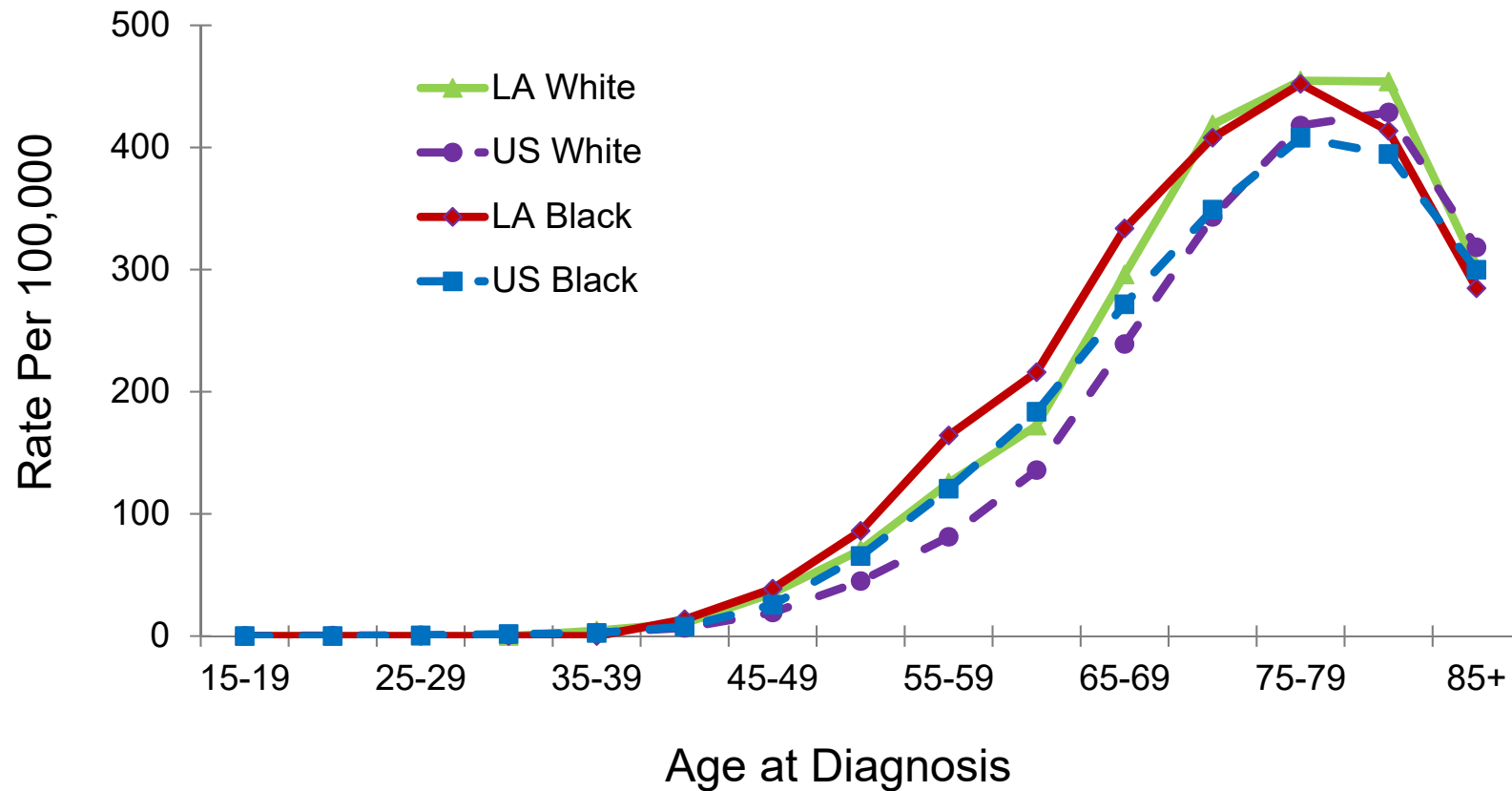
Lung and Bronchus Cancer: Age-Specific Incidence Rates[#] by Gender, 2010-2014



[#]Invasive cases only.

U.S. data source: 18 SEER registries.

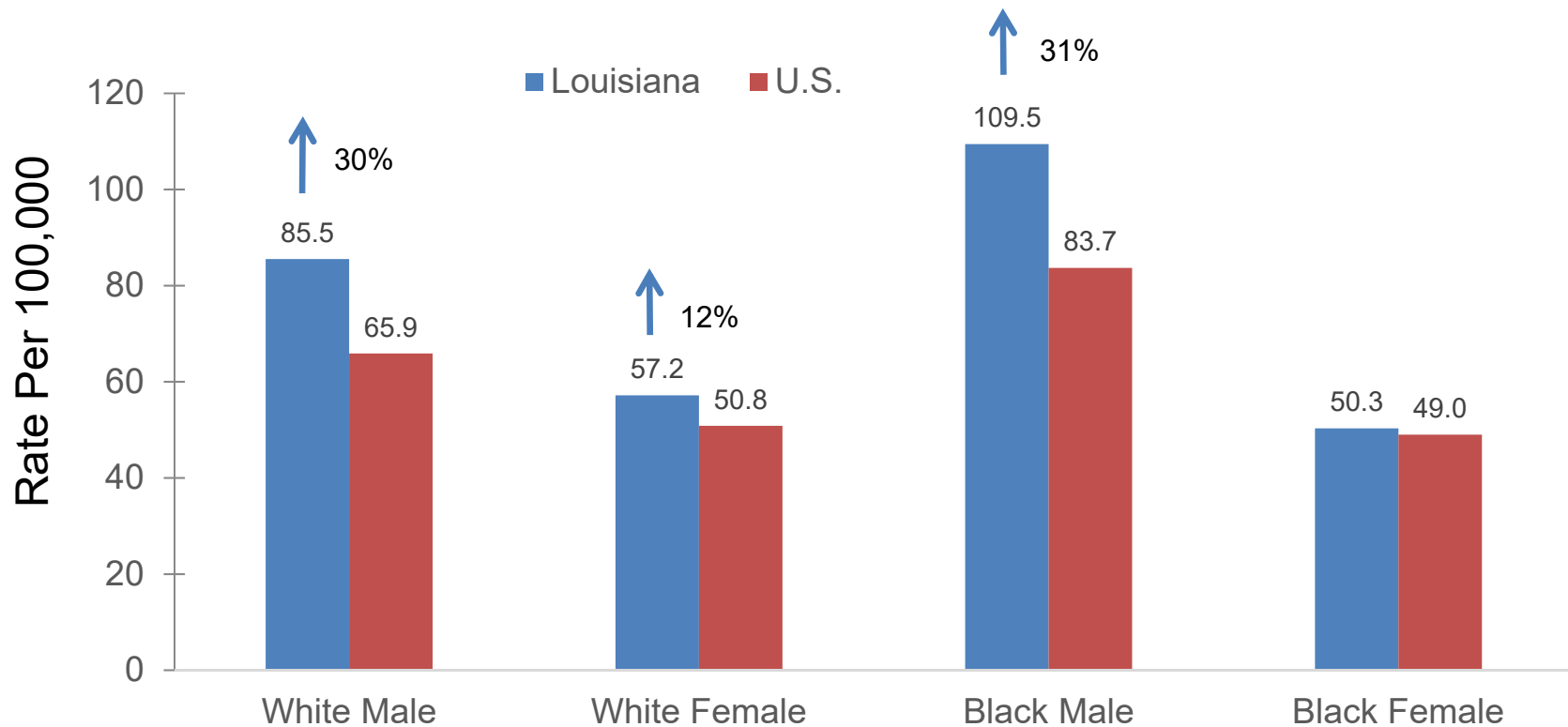
Lung and Bronchus Cancer: Age-Specific Incidence Rates[#] by Race, 2010-2014



[#]Invasive cases only.

U.S. data source: 18 SEER registries.

Lung and Bronchus Cancer: Incidence Rates^{#,1,2}, 2010-2014



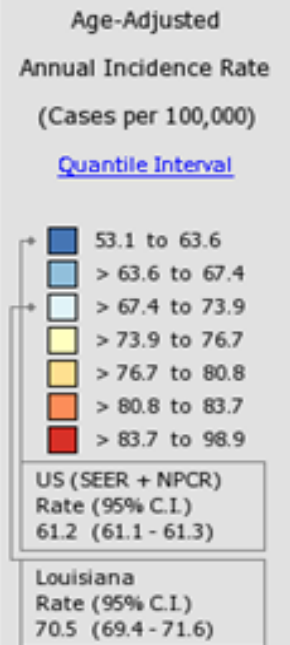
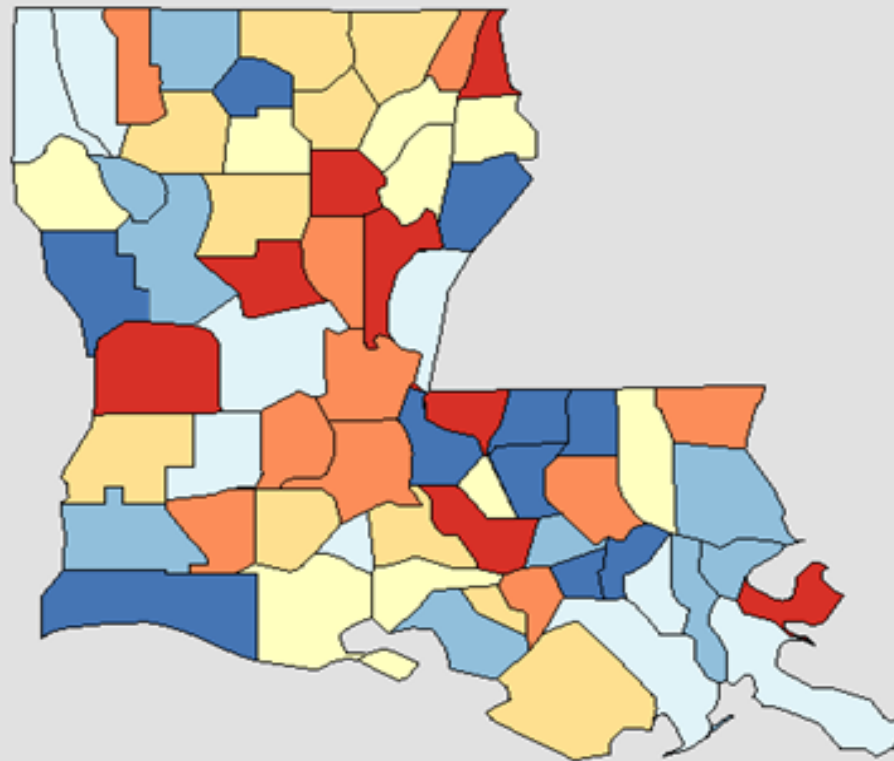
Invasive cases only.

¹ Age-adjusted to the 2000 U.S. standard population.

² U.S. Incidence data source: 18 SEER registries.

↓↑ Rate of Louisiana is significantly different from that of the U.S.

Incidence Rates # of Lung and Bronchus Cancer in the U.S., All Races, Both Sexes, 2010-2014



Only invasive cases.

Notes:

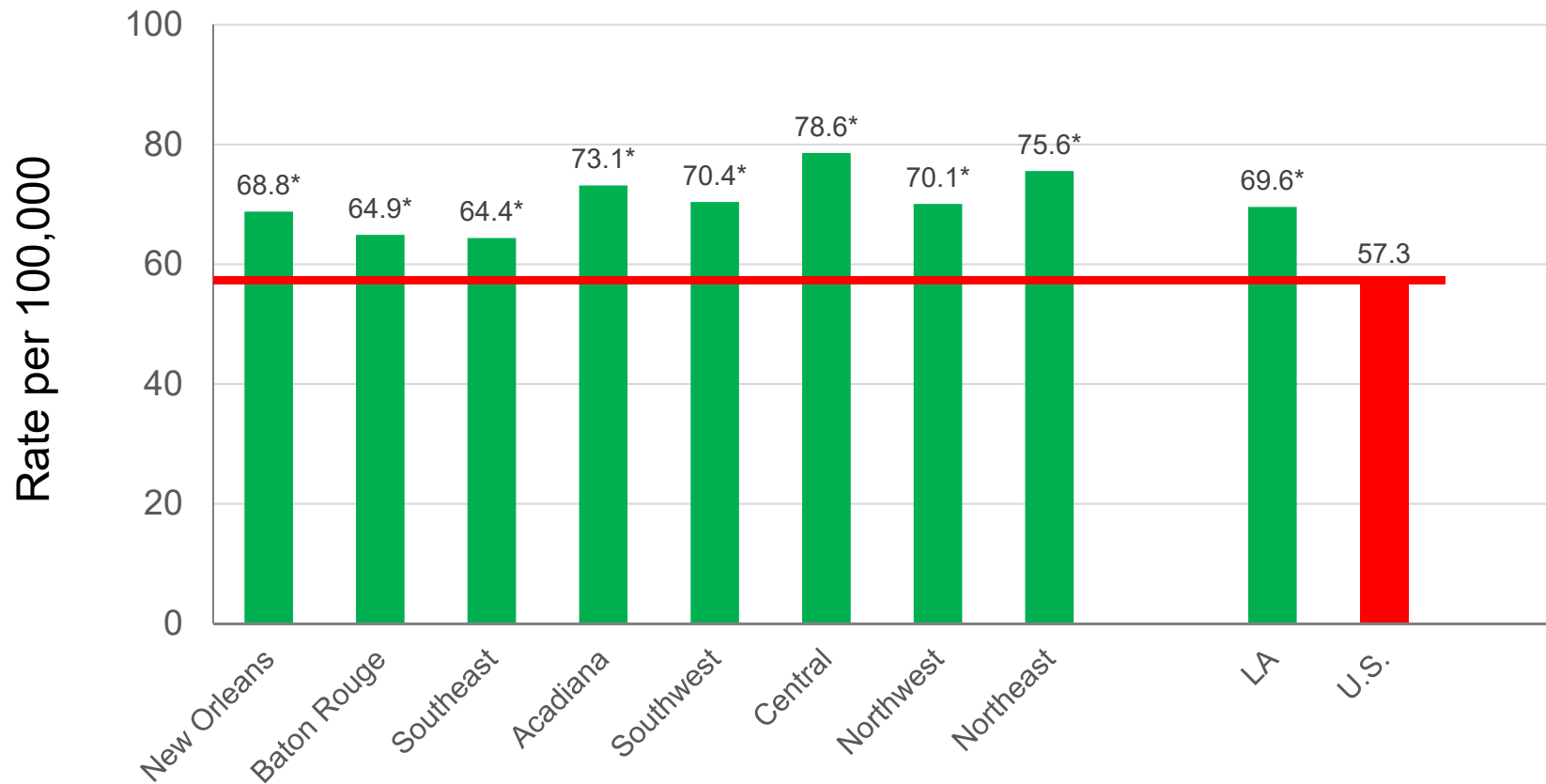
[State Cancer Registries](#) may provide more current or more local data.

Data presented on the State Cancer Profiles Web Site may differ from statistics reported by the State Cancer Registries ([for more information](#)).

* Incidence rates (cases per 100,000 population per year) are age-adjusted to the [2000 US standard population](#) (19 age groups: <1, 1-4, 5-9, ... , 80-84, 85+). Rates are for invasive cancer only (except for bladder which is invasive and in situ) or unless otherwise specified. Rates calculated using SEER*Stat. Population counts for denominators are based on Census populations as modified by NCI. The [1969-2015 US Population Data](#) File is used for SEER and NPCR incidence rates.

Data for the United States does not include data from Puerto Rico

Lung and Bronchus Cancer Incidence^{#,1,2} by Louisiana Region³: Whites, 2010-2014



Invasive cases only.

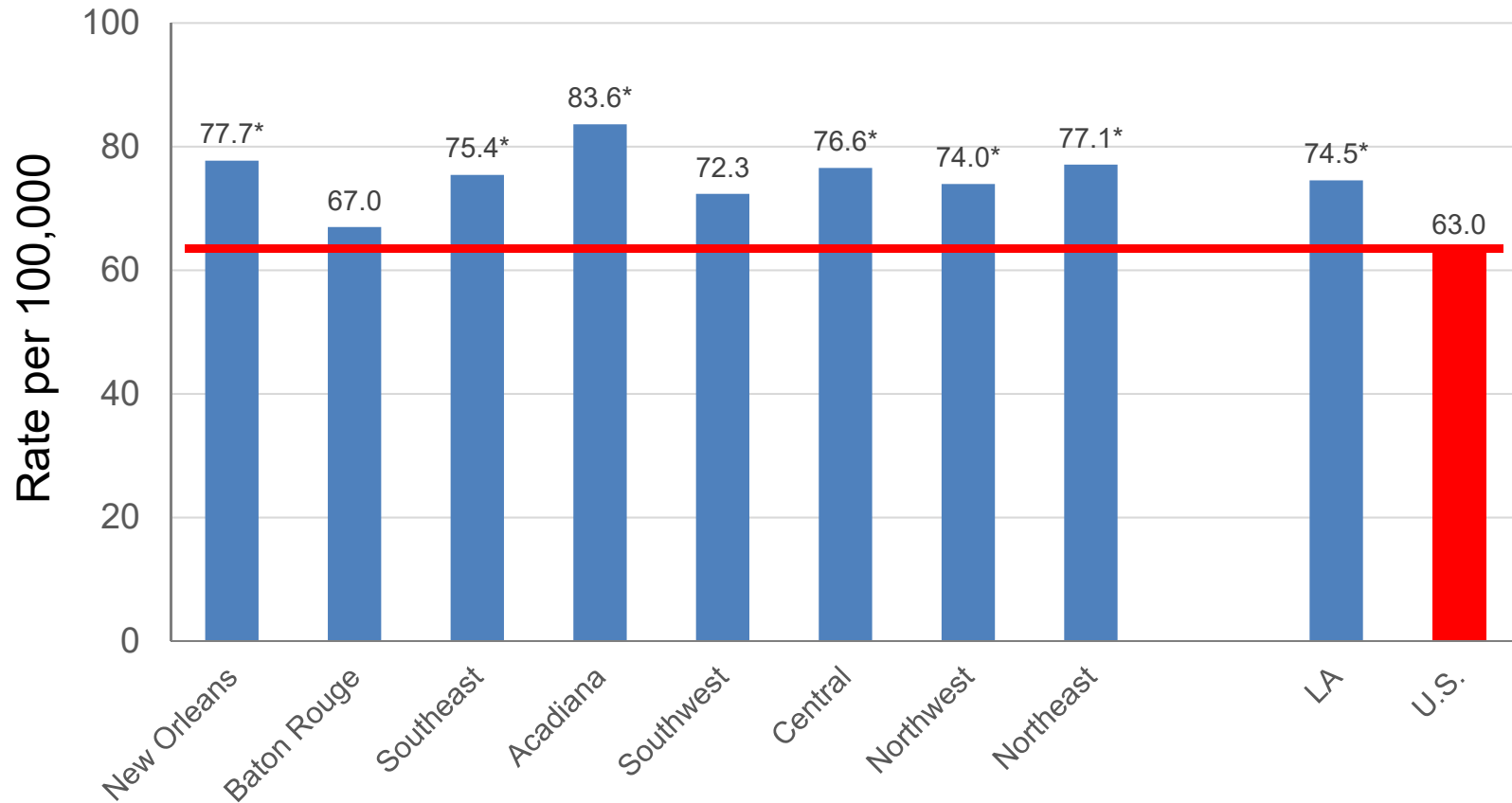
¹ Age-adjusted to the 2000 U.S. standard population.

² Data source for U.S. was the 18 SEER registries.

³ See Appendix A.

* Incidence rate of regions/Louisiana is significantly different from that of U.S.

Lung and Bronchus Cancer Incidence^{#,1,2} by Louisiana Region³: Blacks, 2010-2014



Invasive cases only.

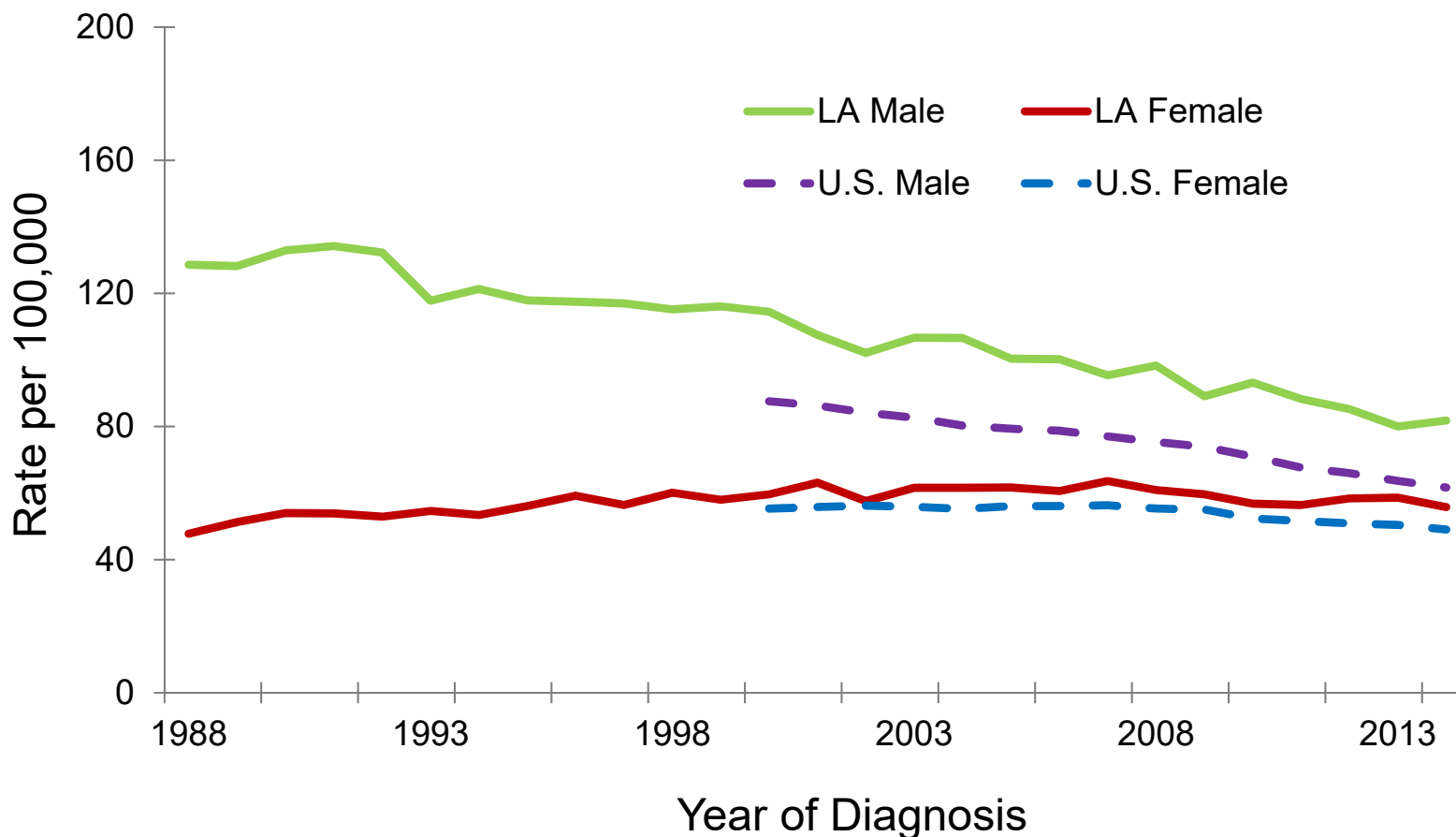
¹ Age-adjusted to the 2000 U.S. standard population.

² Data source for U.S. was the 18 SEER registries.

³ See Appendix A.

* Incidence rate of regions/Louisiana is significantly different from that of U.S.

Lung and Bronchus Cancer: Trend of Incidence Rates^{#,1,2}, Whites 1988-2014

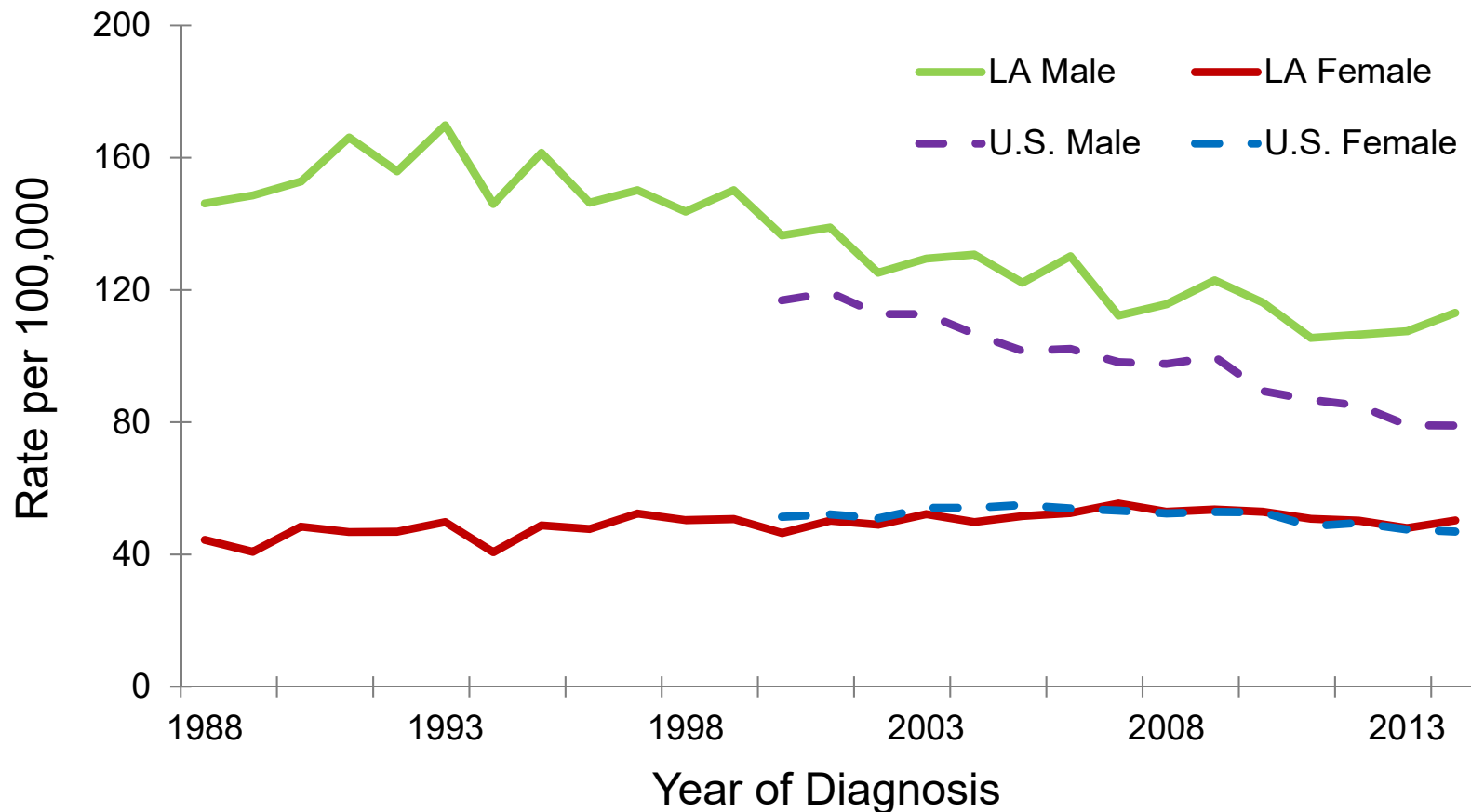


Invasive cases only.

¹ Age-adjusted to the 2000 U.S. standard population.

² U.S. data source: 18 SEER registries.

Lung and Bronchus Cancer: Trend of Incidence Rates^{1,2,#}, Blacks 1988-2014

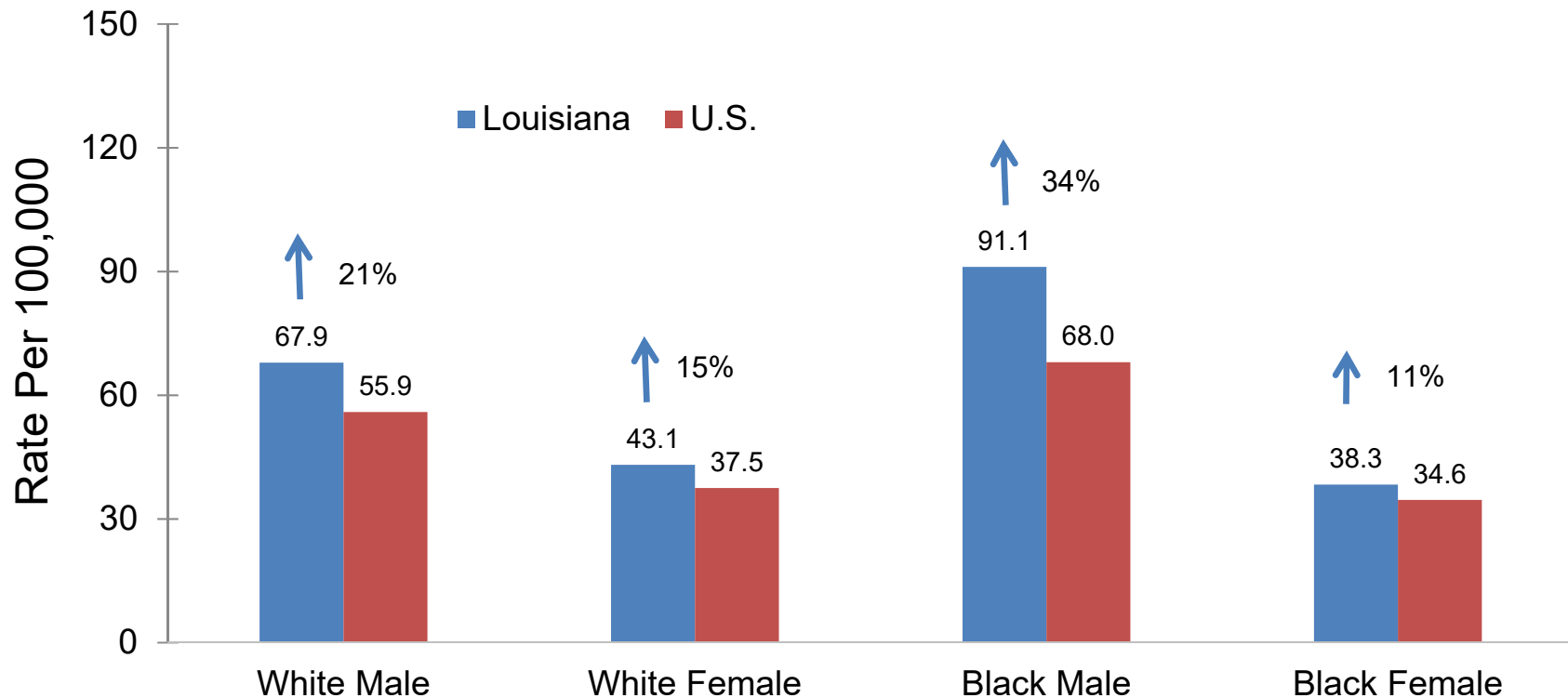


Invasive cases only.

¹ Age-adjusted to the 2000 U.S. standard population.

² U.S. data source: 18 SEER registries.

Lung and Bronchus Cancer: Mortality Rates¹, Louisiana vs. U.S.,² 2010-2014

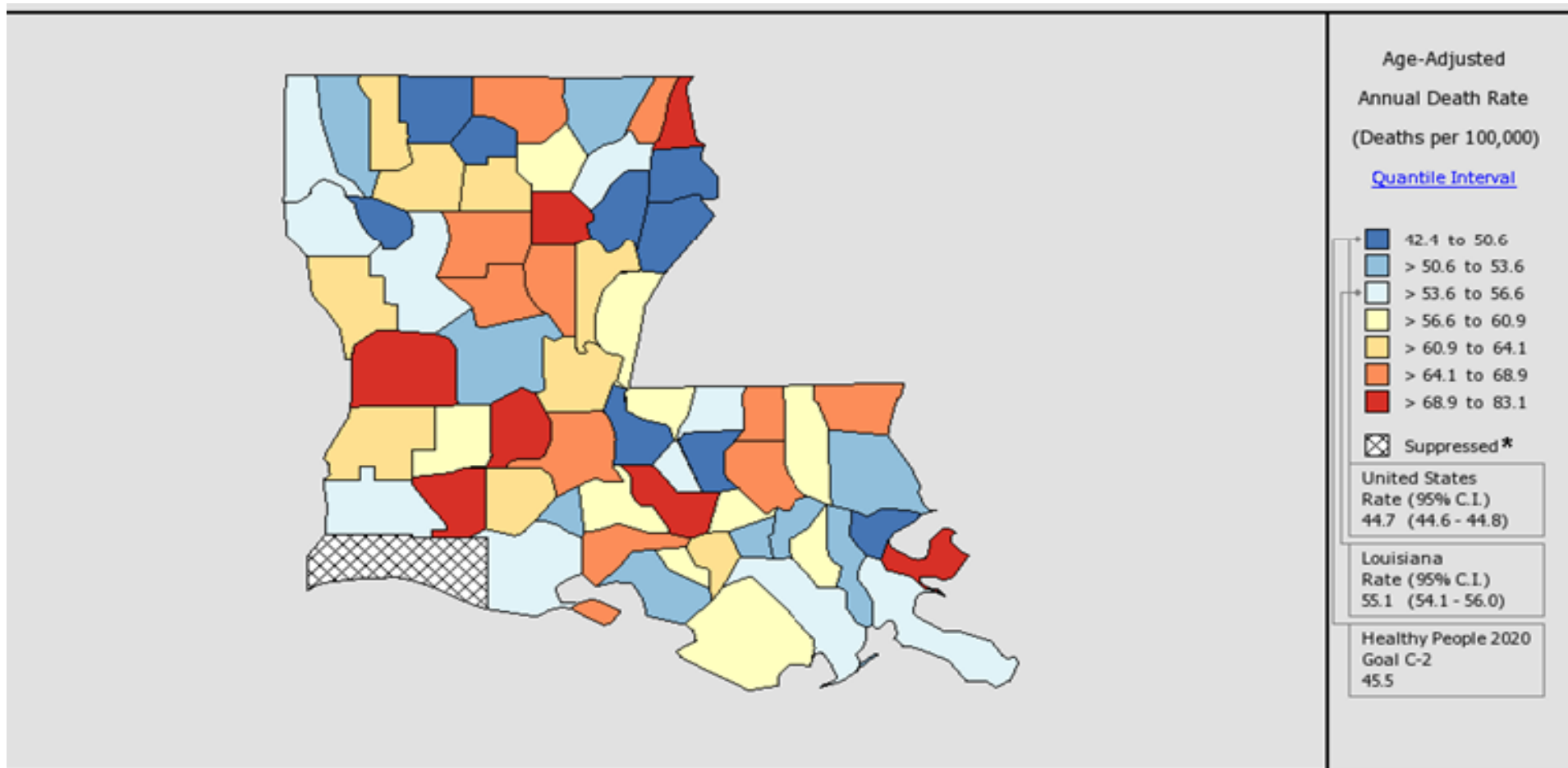


¹ Age-adjusted to the 2000 U.S. standard population.

² Mortality data source was National Center of Health Statistics (NCHS).

↓↑Rate of Louisiana is significantly different from that of the U.S.

Mortality Rates of Lung and Bronchus Cancer in the U.S., All Races, Both Sexes, 2010-2014



Notes:

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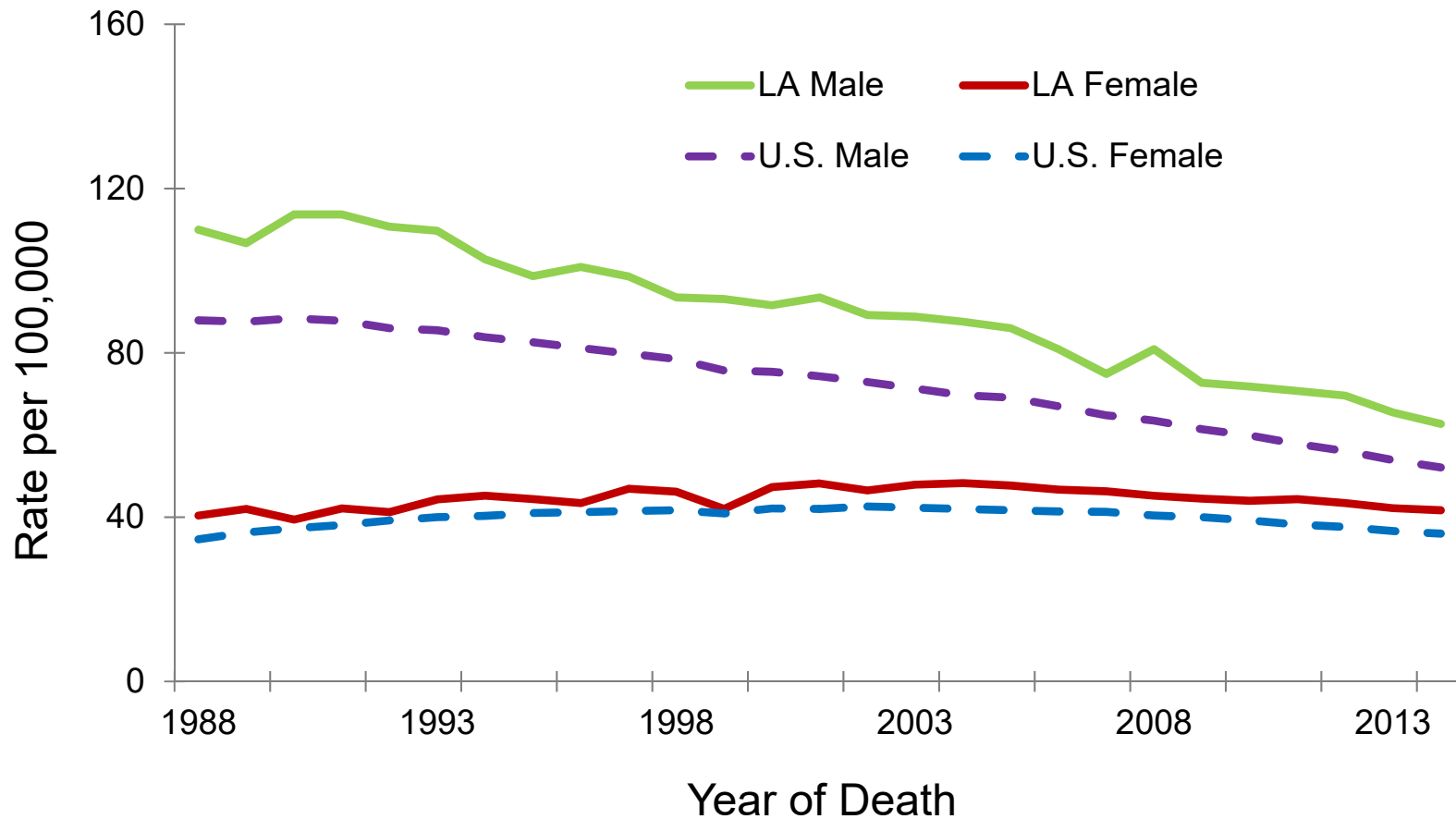
Source: Death data provided by the [National Vital Statistics System](#) public use data file. Death rates calculated by the National Cancer Institute using

[SEER*Stat](#). Death rates (deaths per 100,000 population per year) are age-adjusted to the [2000 US standard population](#) (19 age groups: <1, 1-4, 5-9, ... , 80-84, 85+). The Healthy People 2020 goals are based on rates adjusted using different methods but the differences should be minimal.

Population counts for denominators are based on the Census [1969-2015 US Population Data](#) File as modified by NCI.

* Data have been [suppressed](#) to ensure confidentiality and stability of rate estimates. Data is currently being suppressed if there are fewer than 16 counts for the time period.

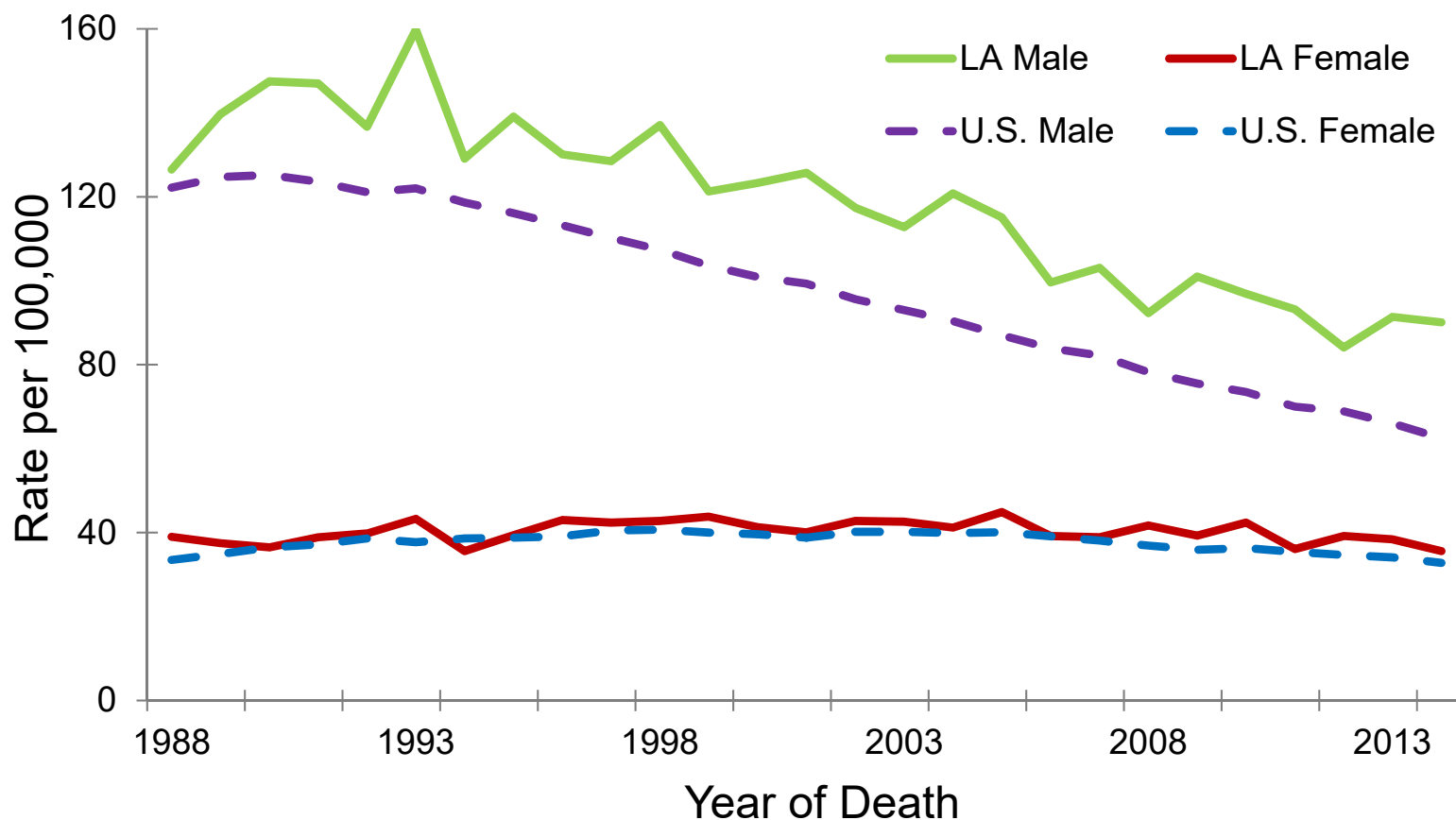
Lung and Bronchus Cancer: Trends of Mortality Rates^{1,2}, Whites, 1988-2014



¹ Age-adjusted to the 2000 U.S. standard population.

² Data source: National Center of Health Statistics (NCHS).

Lung and Bronchus Cancer: Trends of Mortality Rates^{1,2}, Blacks, 1988-2014

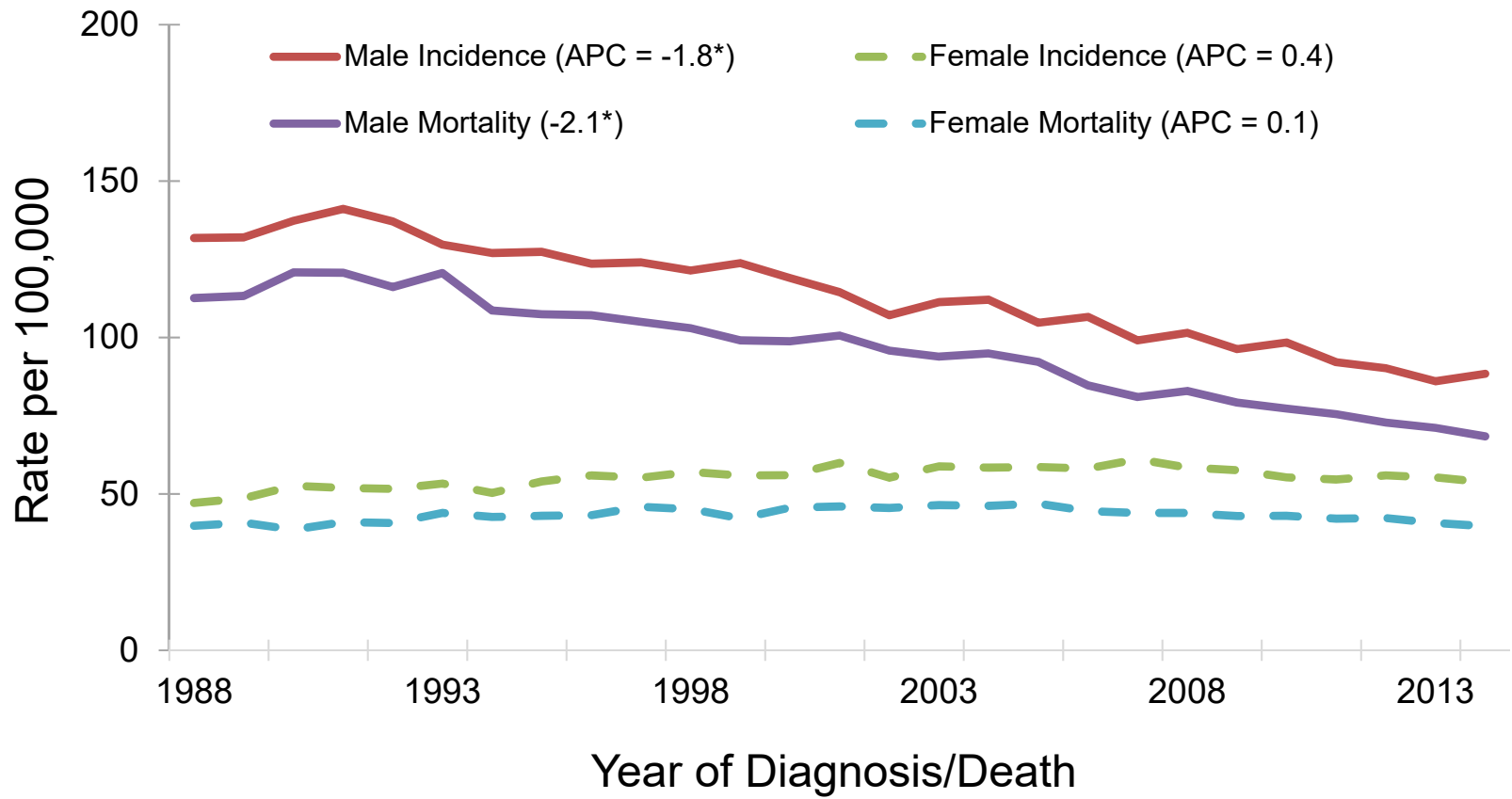


¹ Age-adjusted to the 2000 U.S. standard population.

² Data source: National Center of Health Statistics (NCHS).

Lung and Bronchus: Louisiana, 1988-2014

Trends of Incidence[#] and Mortality Rates by Gender



[#]Invasive cases only.

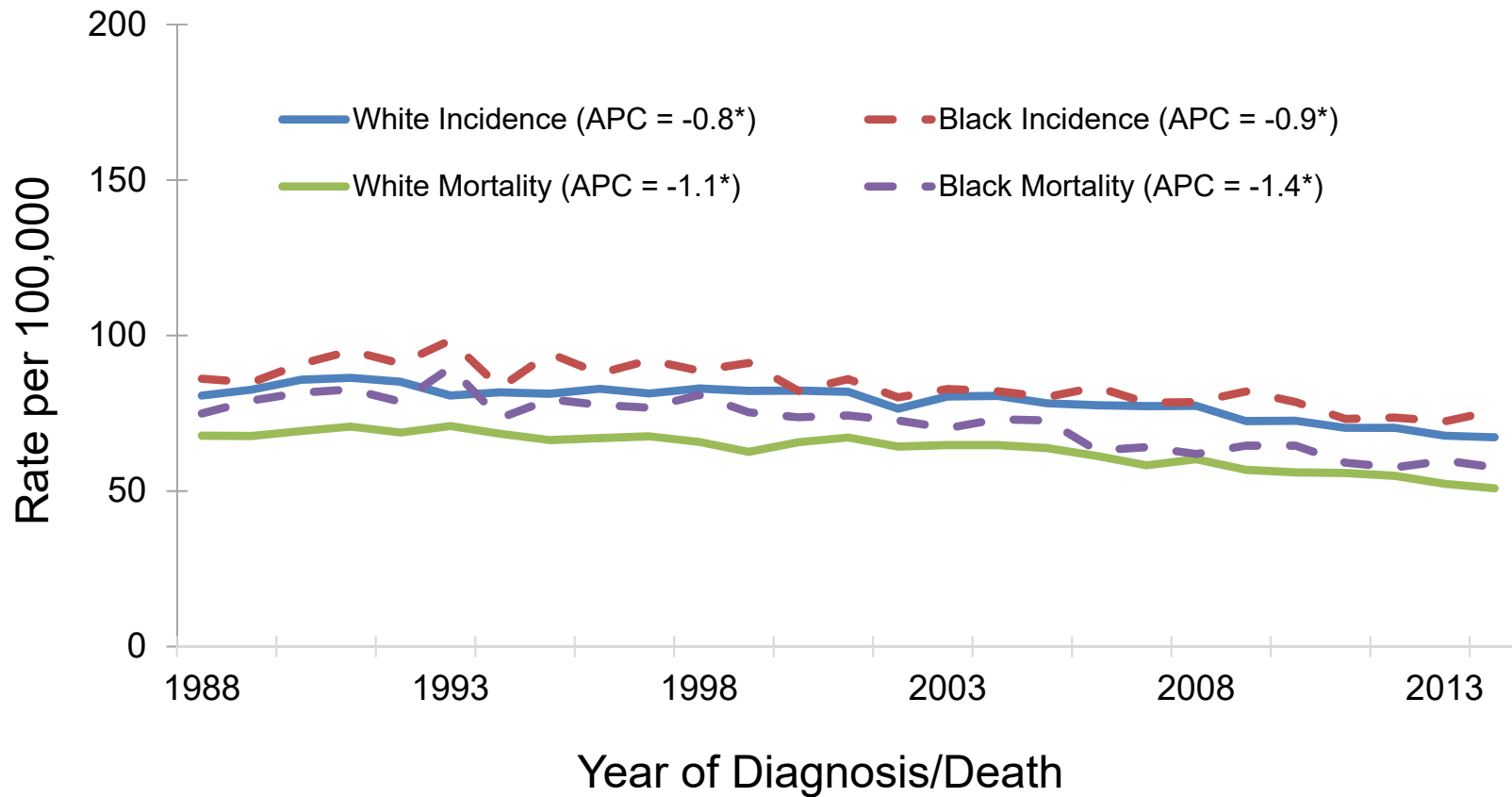
Annual average percent change (APC) were calculated using weighted least squares method.

* APC significantly different from zero.



Lung and Bronchus: Louisiana, 1988-2014

Trends of Incidence[#] and Mortality Rates by Race

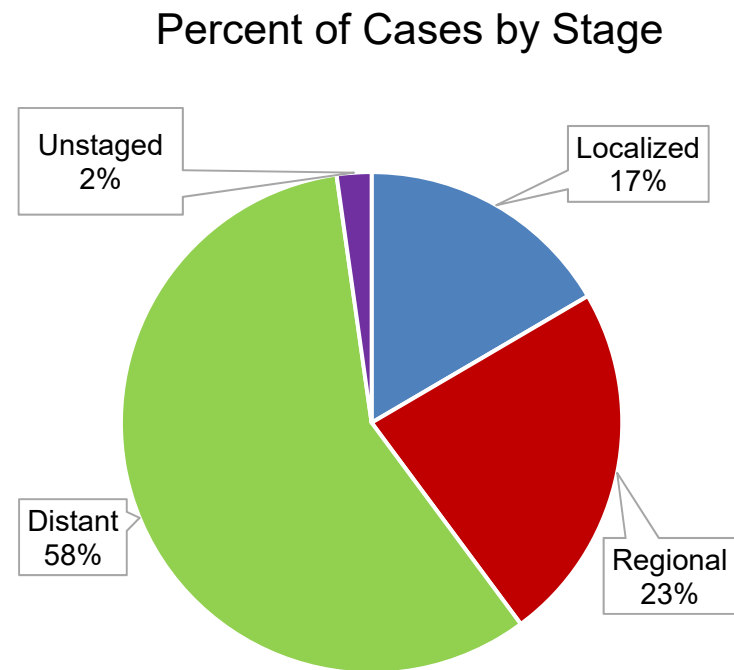
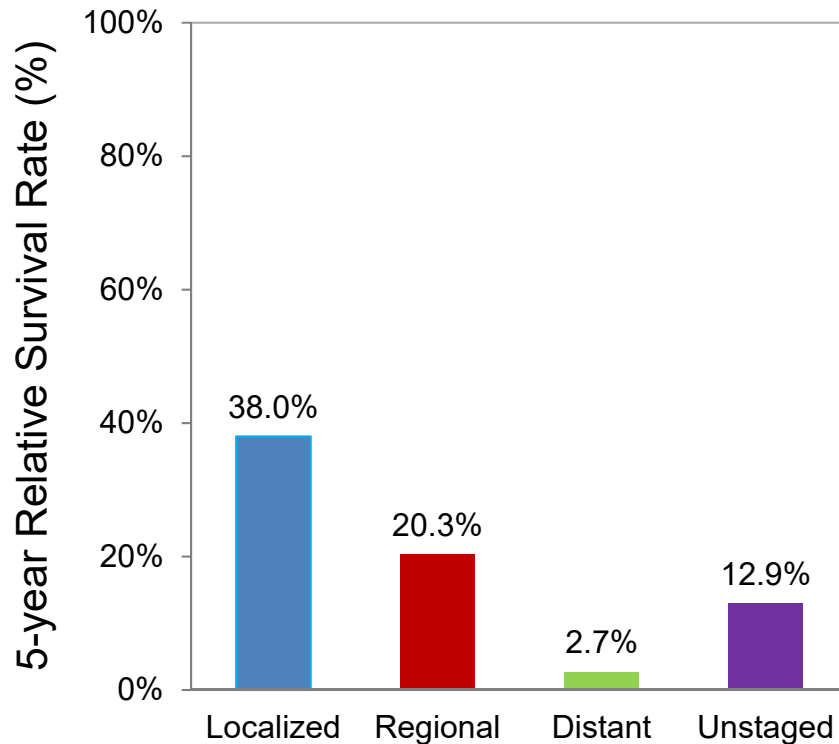


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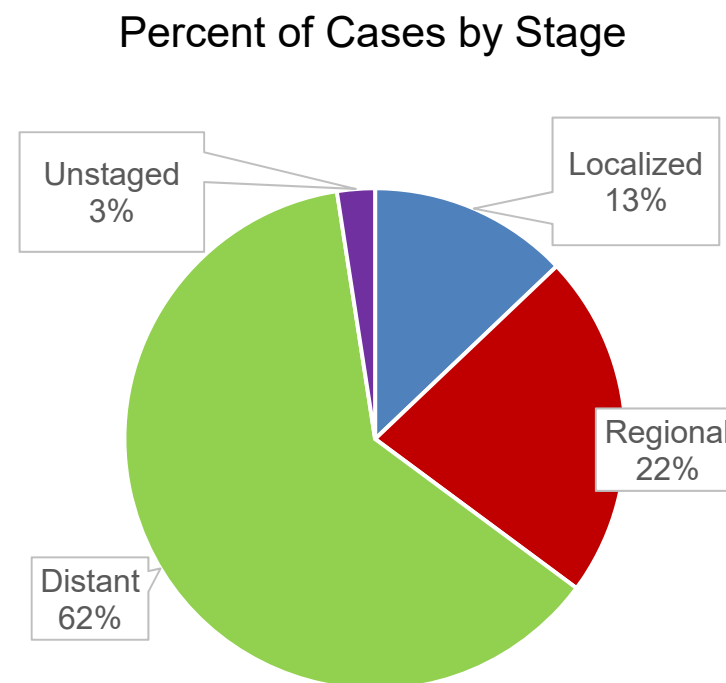
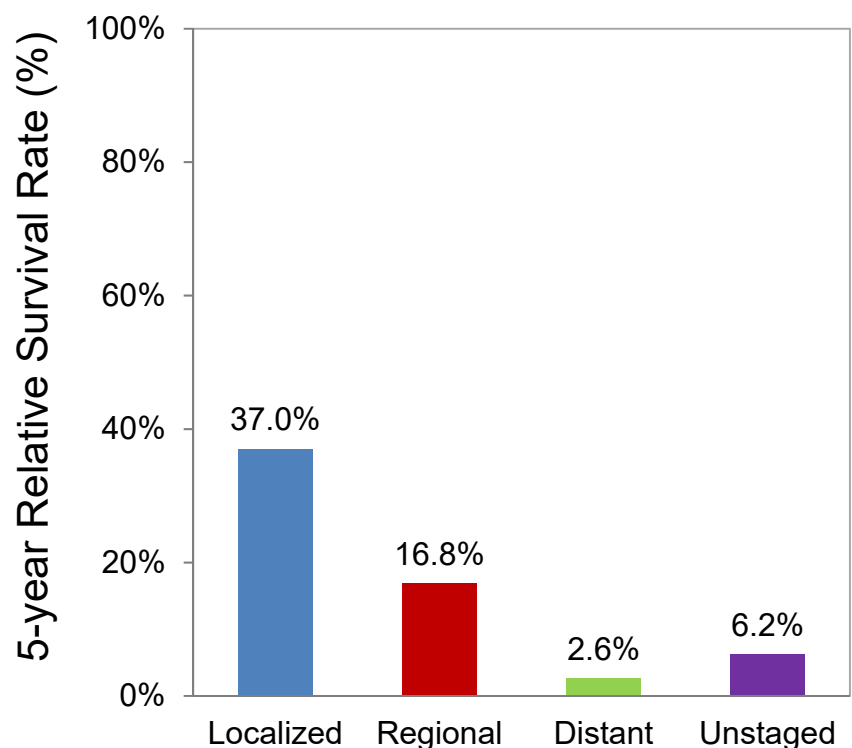
Lung and Bronchus Cancer#: Louisiana 5-Year Relative Survival by Stage¹, White Males, 2007-2013



#Only invasive cases.

¹ The stage distribution is based on Summary Stage 2000.

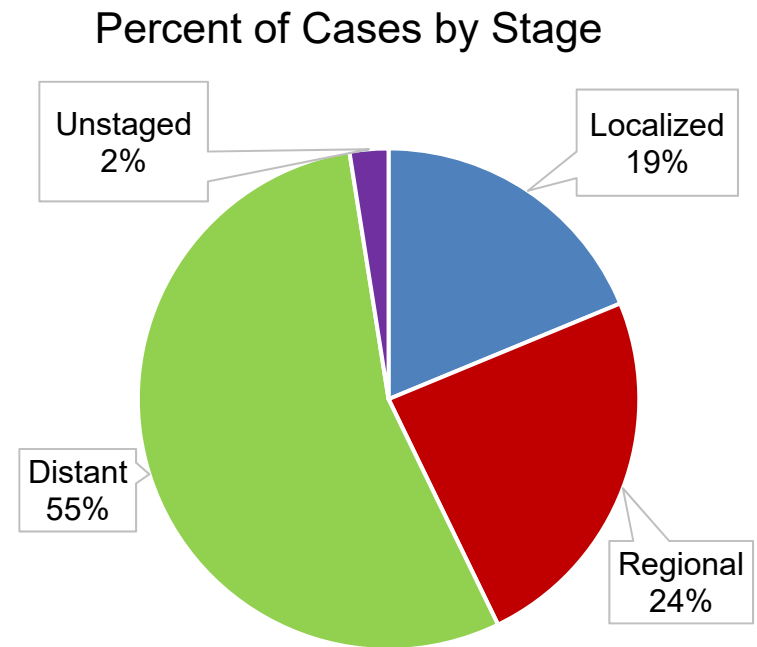
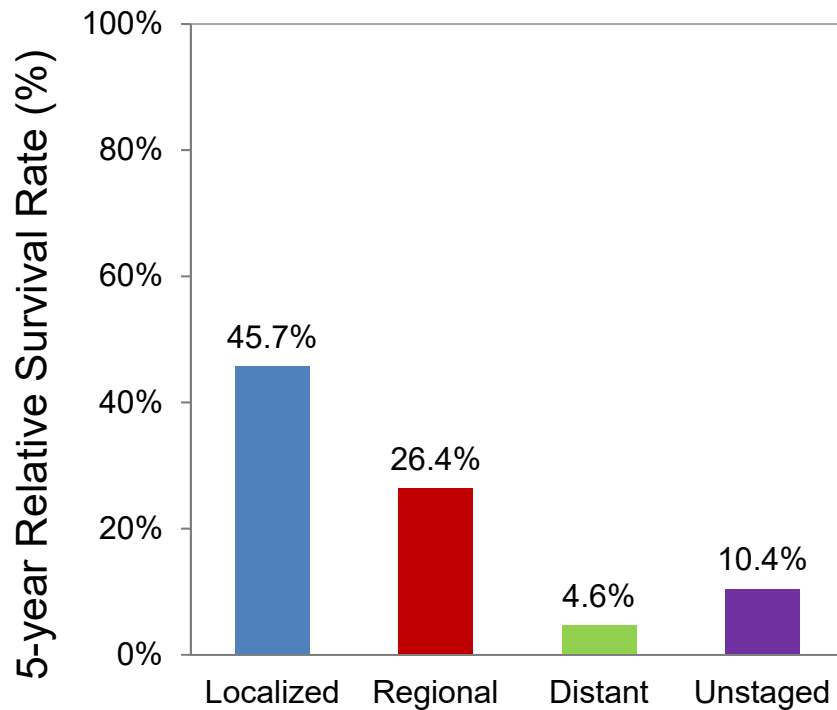
Lung and Bronchus Cancer#: Louisiana 5-Year Relative Survival by Stage¹, Black Males, 2007-2013



#Only invasive cases.

¹ The stage distribution is based on Summary Stage 2000.

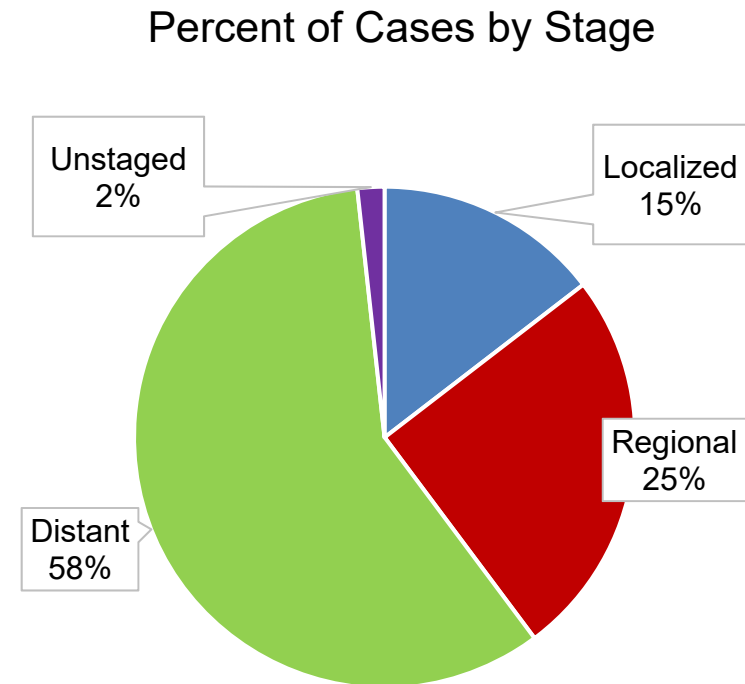
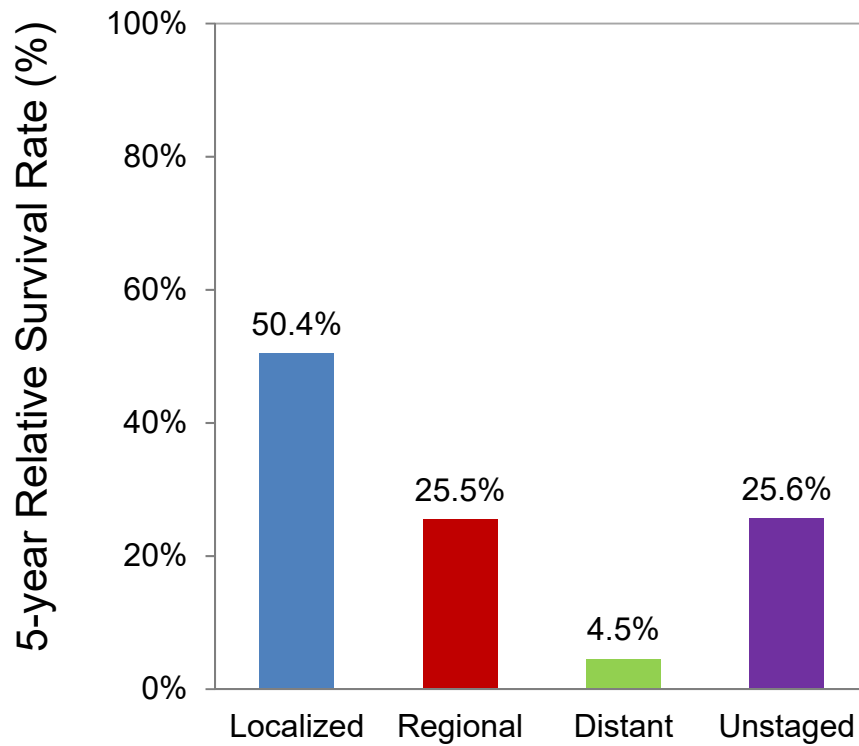
Lung and Bronchus Cancer#: Louisiana 5-Year Relative Survival by Stage¹, White Females, 2007-2013



#Only invasive cases.

¹ The stage distribution is based on Summary Stage 2000.

Lung and Bronchus Cancer#: Louisiana 5-Year Relative Survival by Stage¹, Black Females, 2007-2013



#Only invasive cases

¹ The stage distribution is based on Summary Stage 2000.

Appendix A. Regions of the Louisiana Tumor Registry

Regional Registry	Beginning Date of the Registry	Average Annual Population, 2010-2014	Parishes Covered
Region 1 – New Orleans	1974	21,864	Jefferson, Orleans, St. Bernard
Region 2 – Baton Rouge	1983	23,410	Ascension, Assumption, East Baton Rouge, East Feliciana, Iberville, Livingston, Pointe Coupée, St. Helena, Tangipahoa, West Baton Rouge, West Feliciana
Region 3 – Southeast Louisiana	1983	17,036	Lafourche, Plaquemines, St. Charles, St. James, St. John, St. Tammany, Terrebonne, Washington
Region 4 – Acadiana	1983	17,032	Acadia, Evangeline, Iberia, Lafayette, St. Landry, St. Martin, St. Mary, Vermilion
Region 5 – Southwest Louisiana	1983	7,698	Allen, Beauregard, Calcasieu, Cameron, Jefferson Davis
Region 6 – Central Louisiana	1988	8,283	Avoyelles, Catahoula, Concordia, Grant, La Salle, Rapides, Vernon, Winn
Region 7 – Northwest Louisiana	1988	14,817	Bienville, Bossier, Caddo, Claiborne, De Soto, Natchitoches, Red River, Sabine, Webster
Region 8 – Northeast Louisiana	1988	9,061	Caldwell, East Carroll, Franklin, Jackson, Lincoln, Madison, Morehouse, Ouachita, Richland, Tensas, Union, West Carroll
Entire State	1988	119,201	

Source: U.S. Bureau of Census and National Cancer Institute, April 2017.

Data Sources

Surveillance, Epidemiology, and End Results (SEER) Program (www.seer.cancer.gov) SEER*Stat Databases, National Cancer Institute, DCCPS, Surveillance Research Program, Surveillance Systems Branch, released April 2017, based on the November 2016 submission.

For Incidence:

- Incidence - SEER 18 Regs Research Data + Hurricane Katrina Impacted Louisiana Cases, Nov 2016 Sub (2000-2014) <Katrina/Rita Population Adjustment>

For Mortality:

- mortality – All COD, Aggregated With State, Total U.S. (1969-2014) <Katrina/Rita Population Adjustment>>

For Survival:

- Incidence - SEER 18 Regs Research Data + Hurricane Katrina Impacted Louisiana Cases, Nov 2015 Sub (1973-2013 varying)

Data Sources

- USCS:
 - U.S. Cancer Statistics Working Group. United States Cancer Statistics: 1999-2014 Incidence and Mortality Web-based Report. Atlanta: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention and National Cancer Institute; 2017. Available at: www.cdc.gov/uscs.
- Cancer Facts & Figures:
 - American Cancer Society. *Cancer Facts & Figures 2017*. Atlanta: American Cancer Society; 2017.

Data Sources

NCI State profiles

- Incidence Data Sources:
 - Incidence data are provided by the National Program of Cancer Registries External Web Site Policy Cancer Surveillance System (NPCR-CSS), Centers for Disease Control and Prevention and by the National Cancer Institute's Surveillance, Epidemiology, and End Results (SEER) Program External Web Site Policy.
 - Population counts for denominators are based on Census populations as modified by NCI.
 - Rates are calculated using SEER*Stat External Web Site Policy.
- Mortality Data Sources:
 - Mortality data are provided by the National Vital Statistics System External Web Site Policy at the National Center for Health Statistics of the Centers for Disease Control and Prevention.
 - Population counts for denominators are based on Census populations as modified by NCI..
 - Rates are calculated using SEER*Stat External Web Site Policy.
 - Trends are determined by using Joinpoint External Web Site Policy analysis of available historical data and reporting the last segment as the most recent trend.

Acknowledgements

- **Hospital cancer registries** (<http://louisianatumorregistry.lsuhs.edu/>)
- **Louisiana Cancer Registrars' Association** (<http://www.lcra-usa.org/>)
- **Physicians and staff members in:**
 - Medical records offices
 - Pathology laboratories
 - Physician offices and clinics
 - Hospice programs and nursing homes
- **Regional and central offices of the Louisiana Tumor Registry**
(<http://louisianatumorregistry.lsuhs.edu/regionalregistries.html>)
- **School of Public Health, LSU Health Sciences Center–New Orleans**
- **Louisiana Cancer and Lung Trust Fund Board**
- **Coroners' offices**

Sources of LTR Funding

- National Cancer Institute, SEER Program
- Centers for Disease Control and Prevention (CDC), National Program of Cancer Registries (NPCR)
- Louisiana Health Care Services Division

Editors

Yong Yi, PhD, MS

Lauren Maniscalco, MPH

Meichin Hsieh, PhD, MSPH, CTR

Xiaocheng Wu, MD, MPH, CTR

Contributors

Xiangrong Li, MD, MSPH

Brent Mumphrey, BS

Tina Lefante, MPH

Lisa Pareti, BS, RHIT, CTR

Carla B. Rosales, MPH

Questions?

Contact:

LTR-info@lsuhsc.edu

or

504/568-5757