

Louisiana Cancer Facts & Figures, Ovarian Cancer

Louisiana Tumor Registry

July, 2017

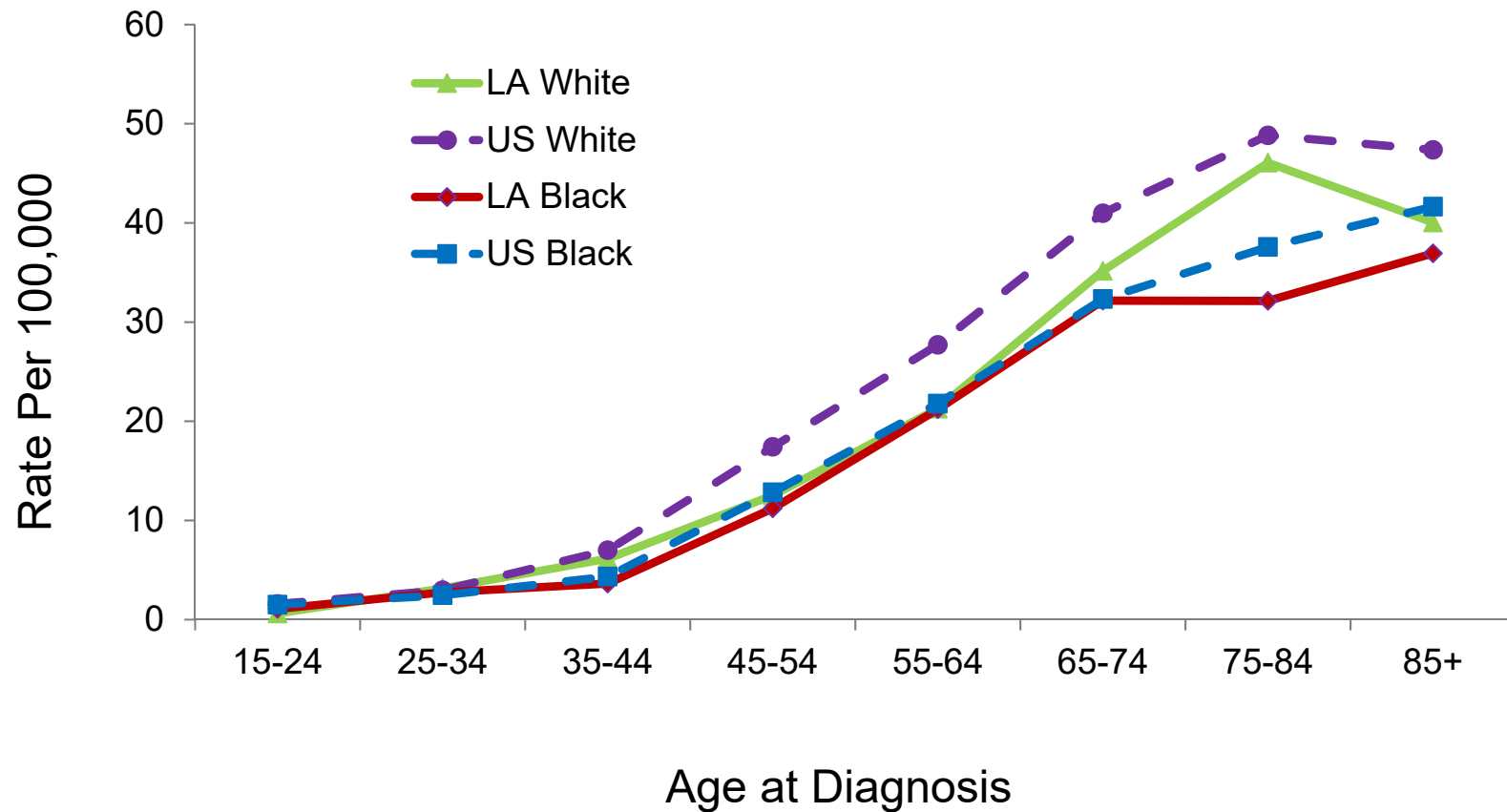
Ovarian Cancer

- Ovarian cancer was the 14th most common cancer and the 8th leading cause of cancer death in Louisiana women from 2010 to 2014.¹
- Between 2010 and 2014, the incidence rate of ovarian cancer in Louisiana was the 3rd lowest and the mortality rate was the 6th lowest in the U.S.¹
- About 260 new ovarian cancers are expected to be diagnosed and about 170 patients are expected to die of ovarian cancer in Louisiana in 2017.²

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

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

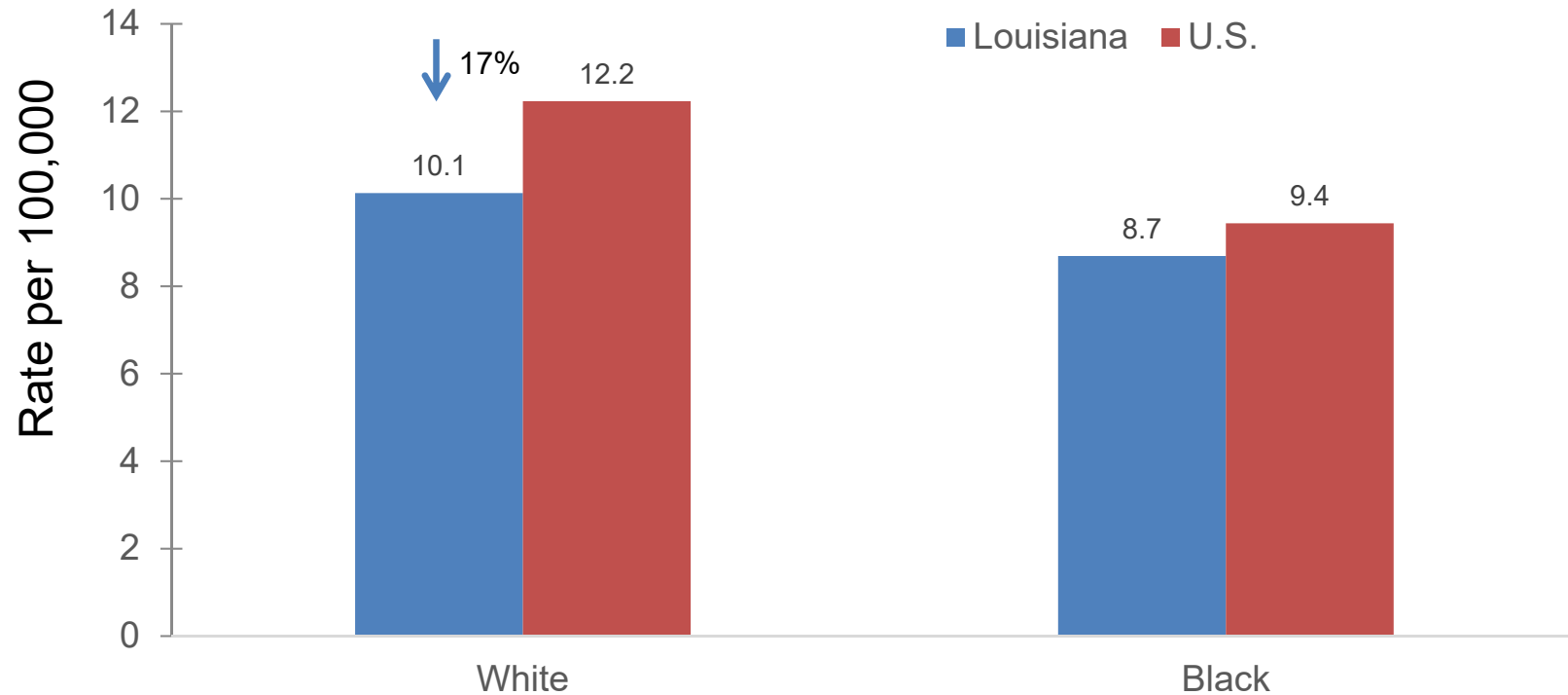
Ovarian Cancer: Age-Specific Incidence Rates[#] by Race, 2010-2014



[#]Invasive cases only.

U.S. data source: 18 SEER registries.

Ovarian Cancer: Incidence Rates^{#,1,2}, 2010-2014



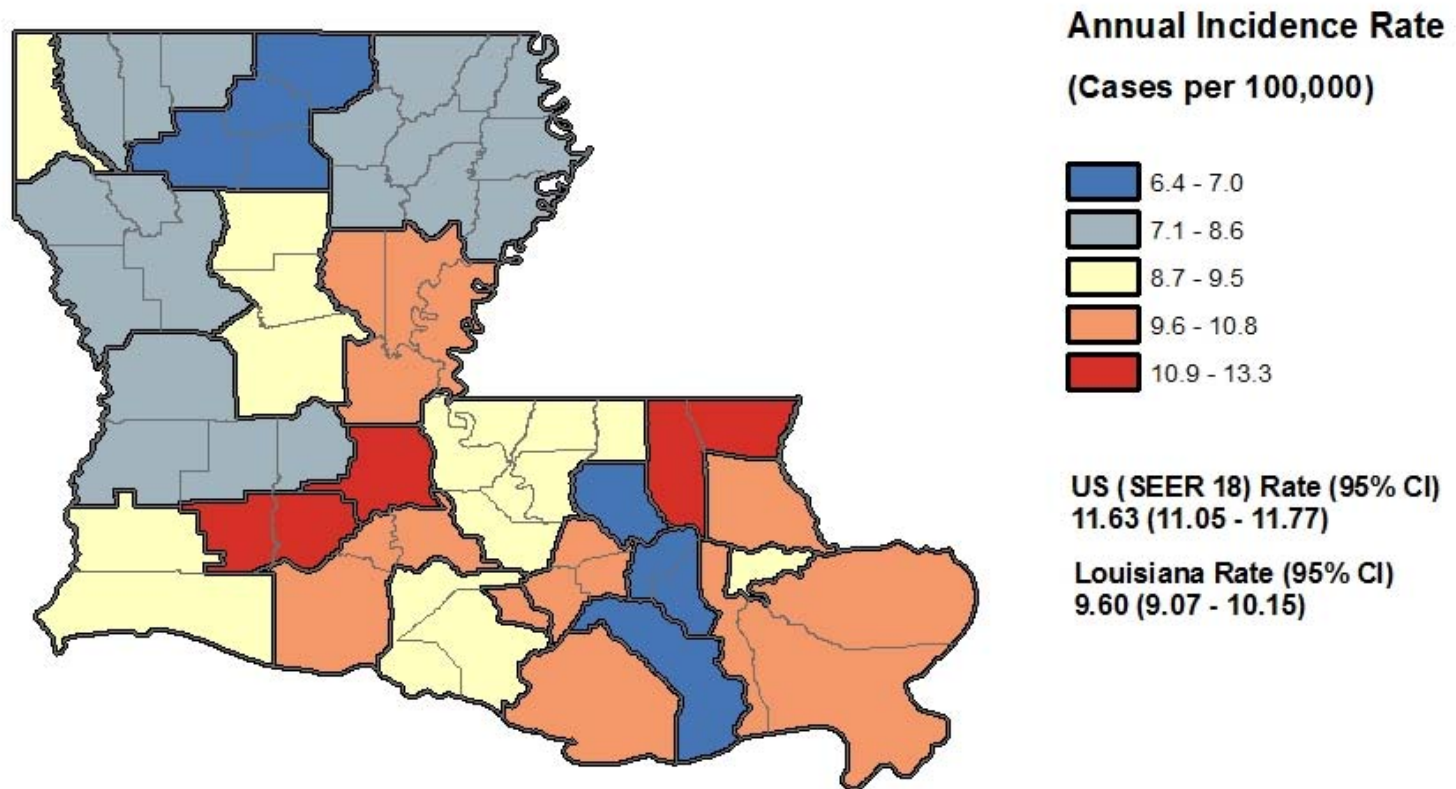
Invasive cases only.

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 Ovarian Cancer in the U.S., All Races, Both Sexes, 2010-2014



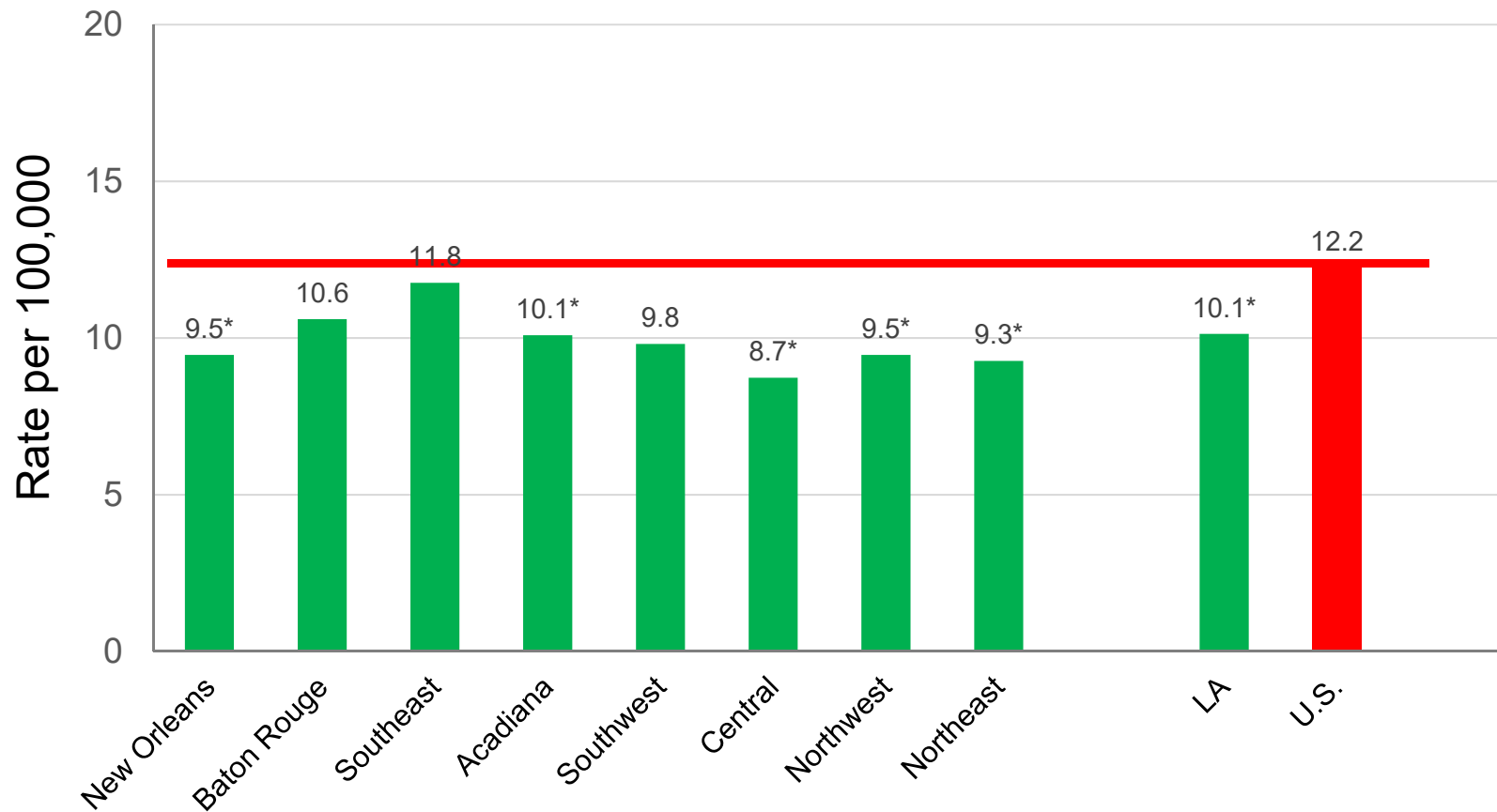
Invasive cases only.

Notes:

Created by Louisiana Tumor Registry on 09/07/2017.

Counties with less than 16 cases were aggregated with neighboring counties using NY state Geographic Aggregation Tool (GAT).

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



Invasive cases only.

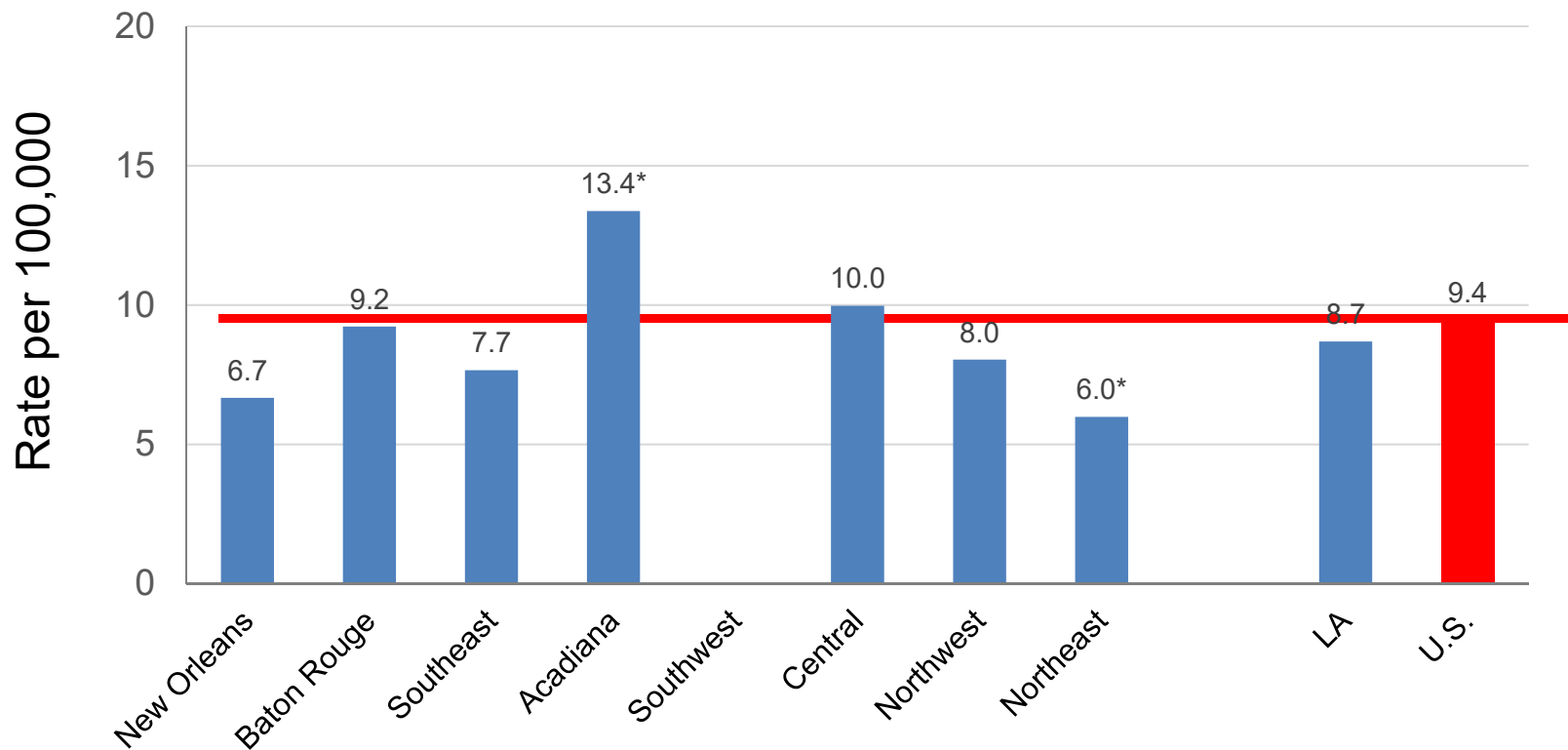
¹ Age-adjusted to the 2000 U.S. standard population.

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.

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



Invasive cases only.

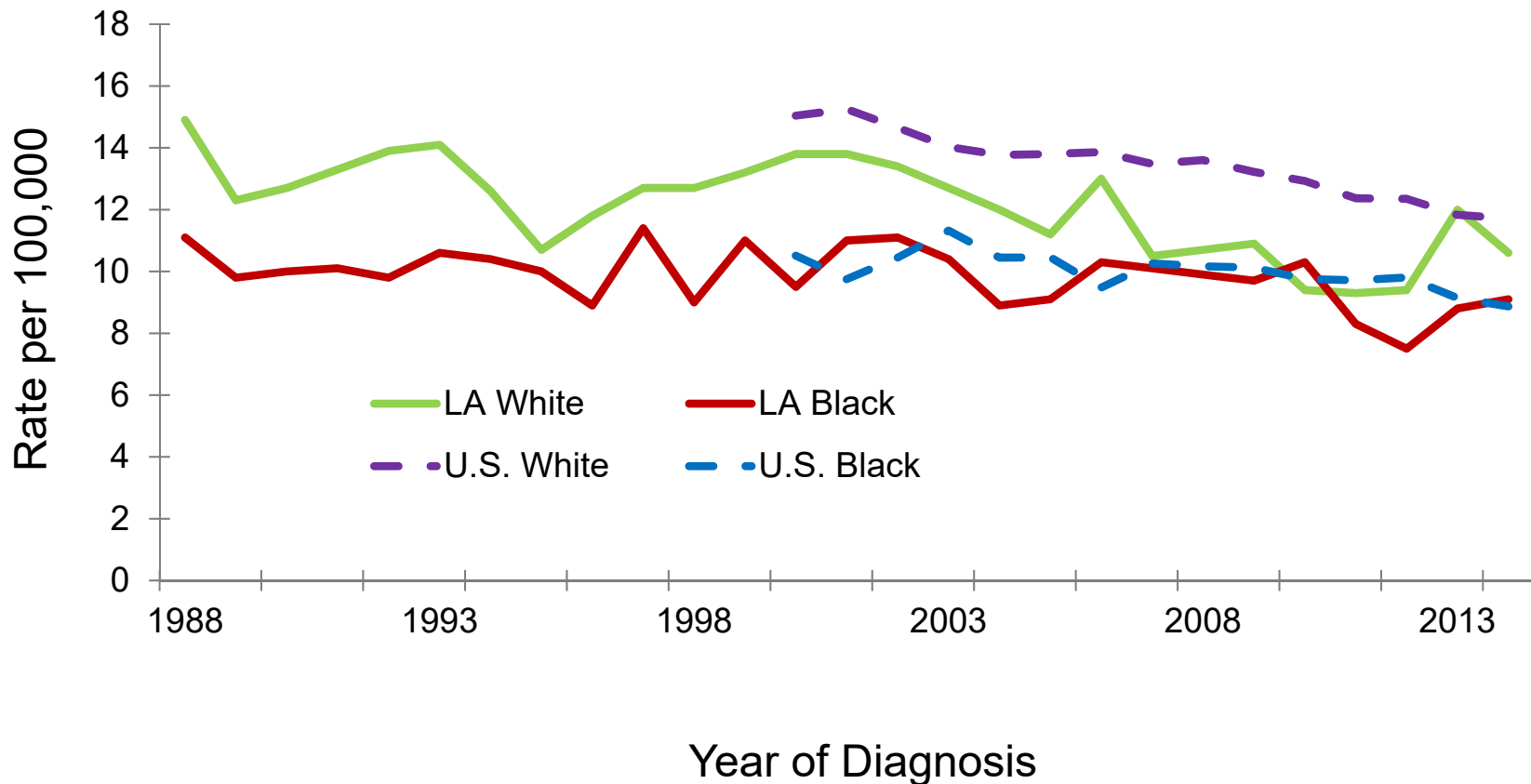
¹ Age-adjusted to the 2000 U.S. standard population.

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.
Southwest not displayed due to fewer than 16 cases.

Ovarian Cancer: Trends of Incidence Rates^{#,1,2}, 1988-2014

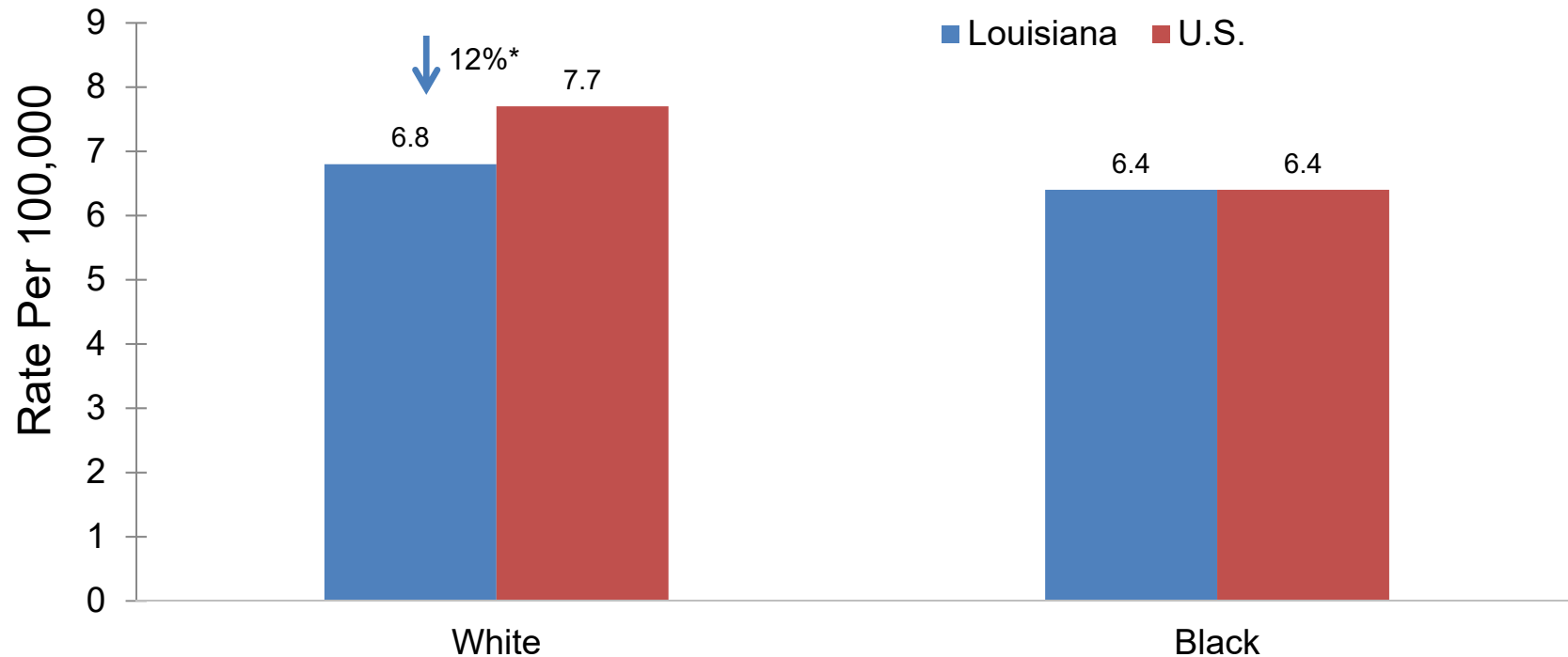


Invasive cases only.

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

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

Ovarian Cancer: Mortality Rates¹ Louisiana vs. U.S.², 2010-2014

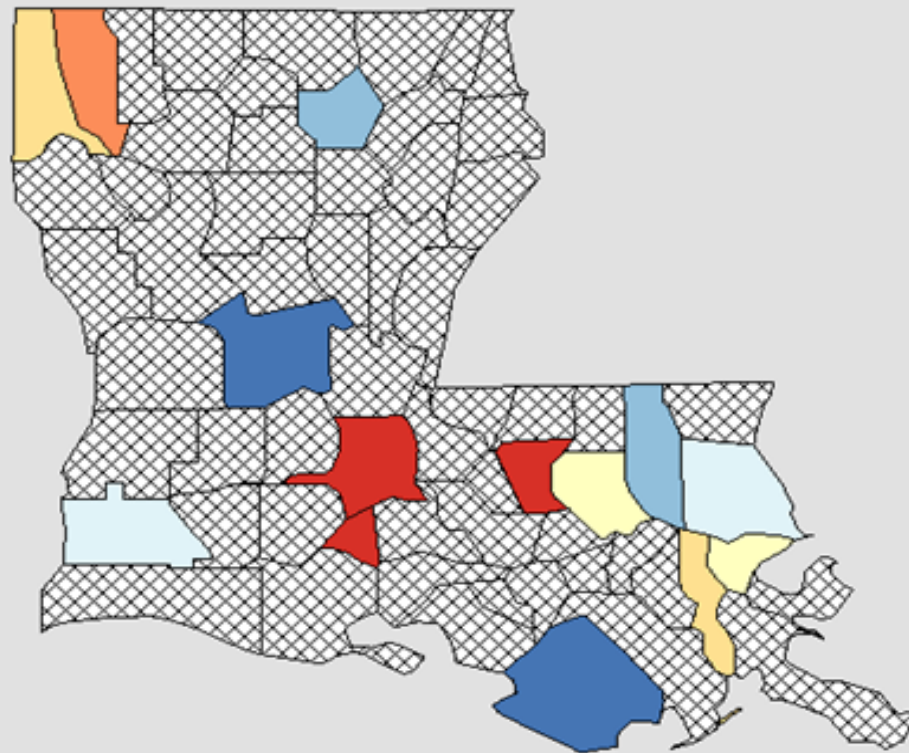


¹ Age-adjusted to the 2000 U.S. standard population.

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 Ovarian Cancer in the U.S., All Races, Both Sexes, 2010-2014



Age-Adjusted Annual Death Rate (Deaths per 100,000)

Quantile Interval

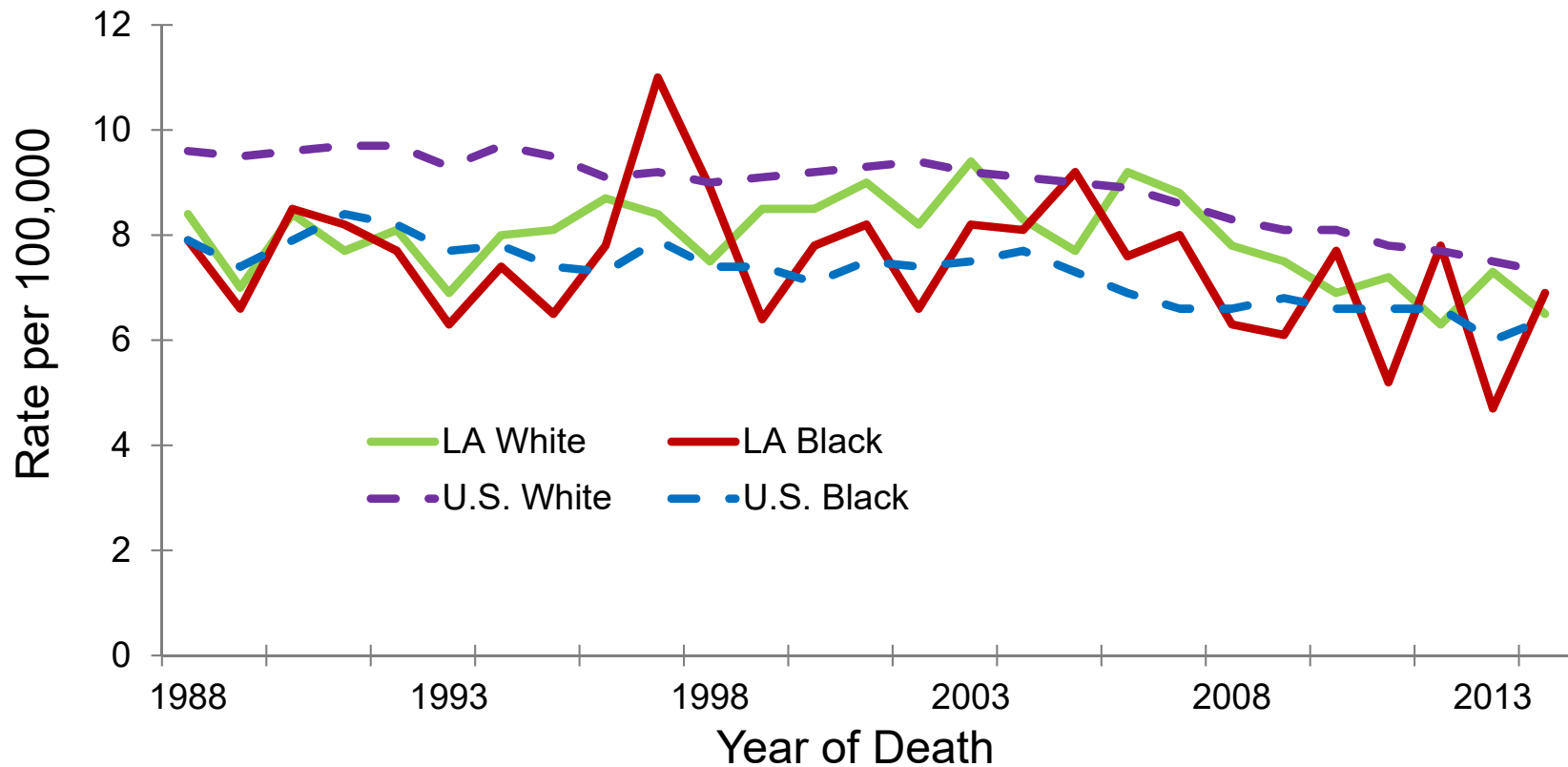
- 3.9 to 5.5
- > 5.5 to 6.2
- > 6.2 to 6.6
- > 6.6 to 6.9
- > 6.9 to 7.5
- > 7.5 to 7.6
- > 7.6 to 8.2
- Suppressed*

United States Rate (95% C.I.)
7.4 (7.3 - 7.4)

Louisiana Rate (95% C.I.)
6.7 (6.2 - 7.1)

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](#)).
 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.

Ovarian Cancer: Trends of Cancer Mortality Rates^{1,2}, 1988-2014

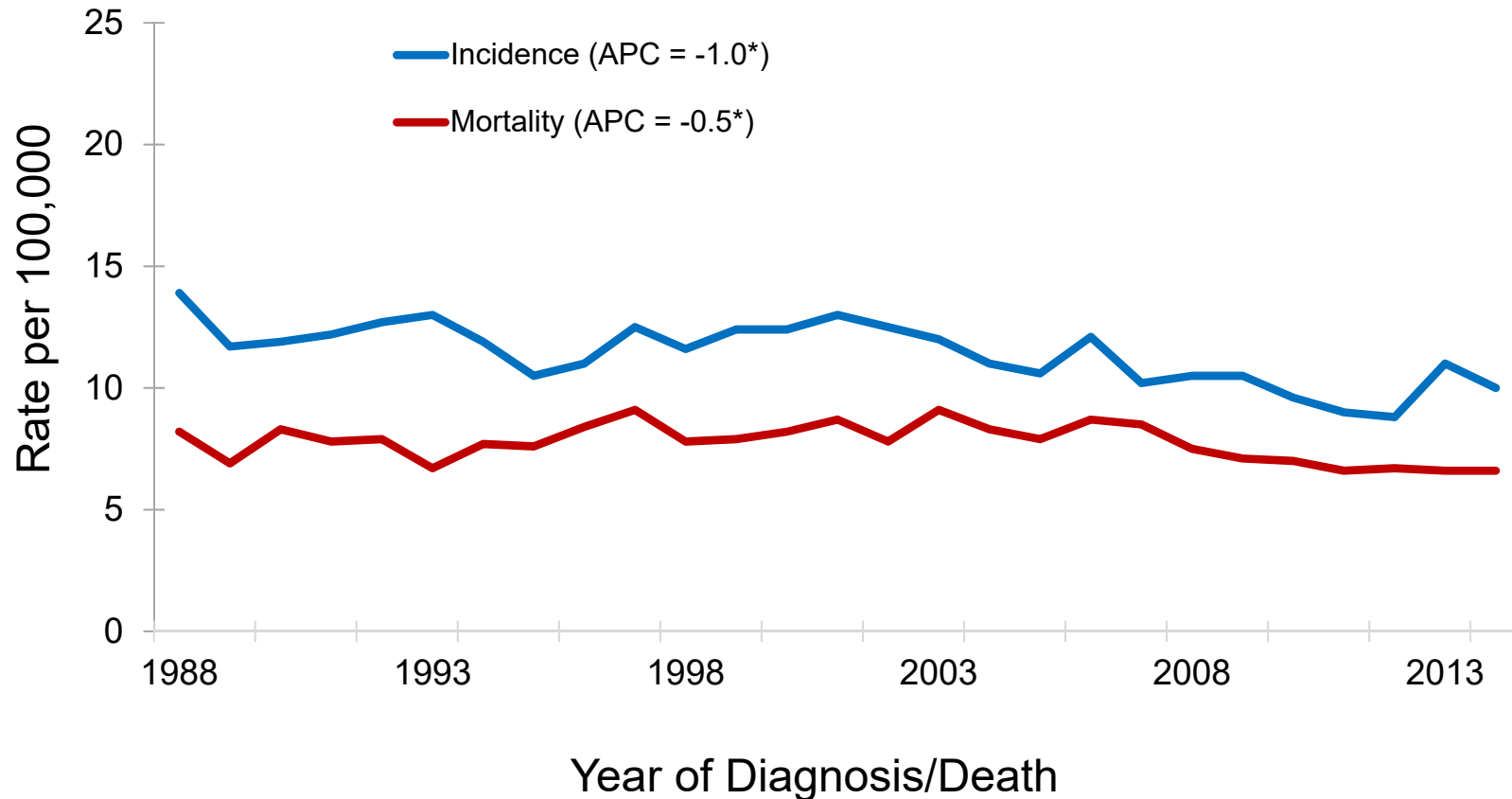


¹ Age-adjusted to the 2000 U.S. standard population.

² U.S. Mortality data source was the National Center of Health Statistics (NHCS).

Ovarian Cancer: Louisiana 1988-2014

Trends of Incidence[#] and Mortality Rates by Race

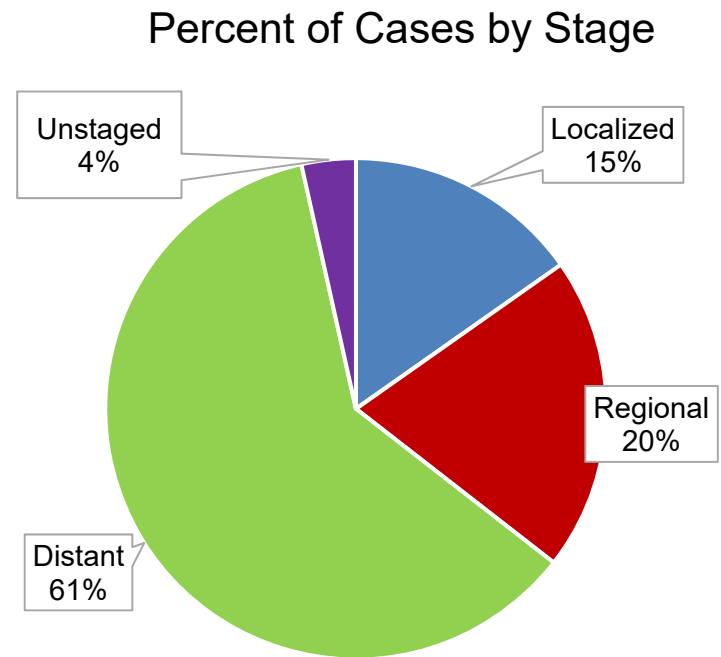
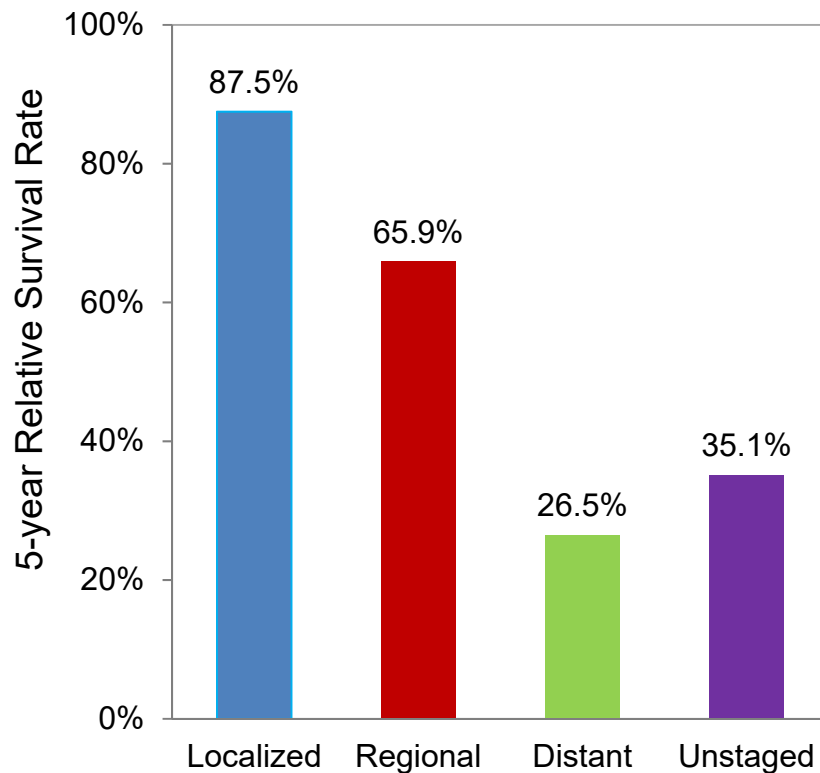


[#]Invasive cases only.

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

* APC significantly different from zero.

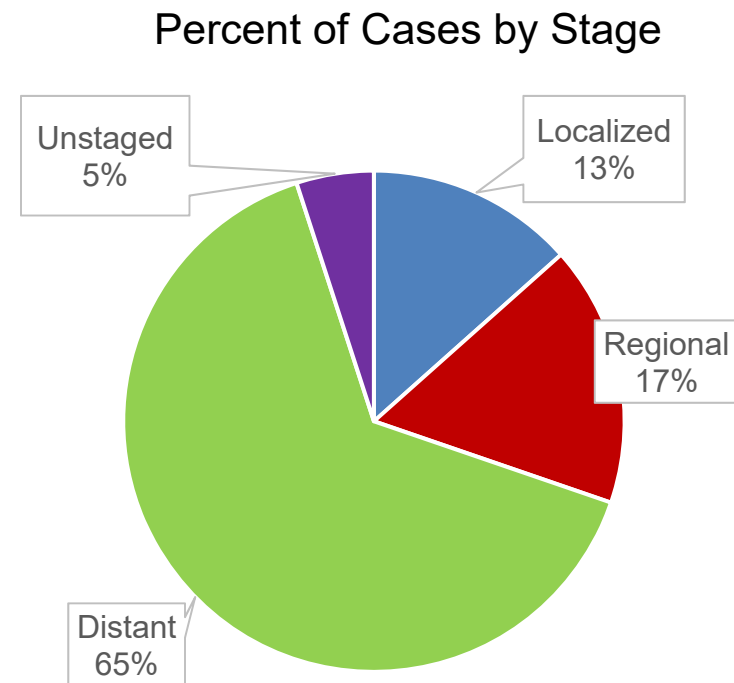
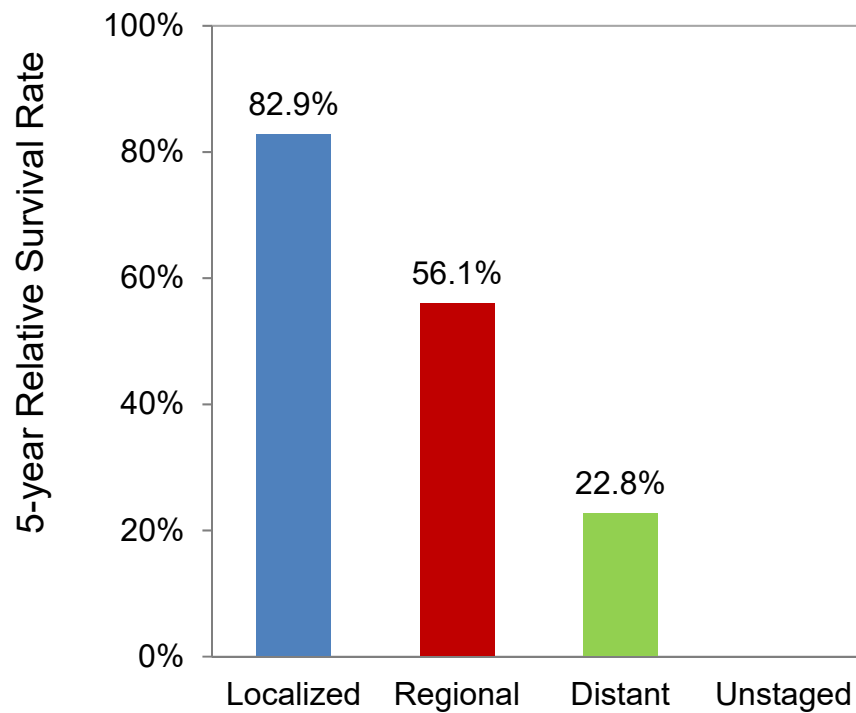
Ovarian Cancer#: Louisiana 5-Year Relative Survival by Stage¹, White Females, 2007-2013



#Only invasive cases.

¹ The stage distribution is based on Summary Stage 2000.

Ovarian 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.

Unstaged survival rate was suppressed (<25 cases).

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**

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- Centers for Disease Control and Prevention (CDC), National Program of Cancer Registries (NPCR)
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