

# **Louisiana Cancer Facts & Figures, Breast Cancer, 2016**

Louisiana Tumor Registry

February, 2017

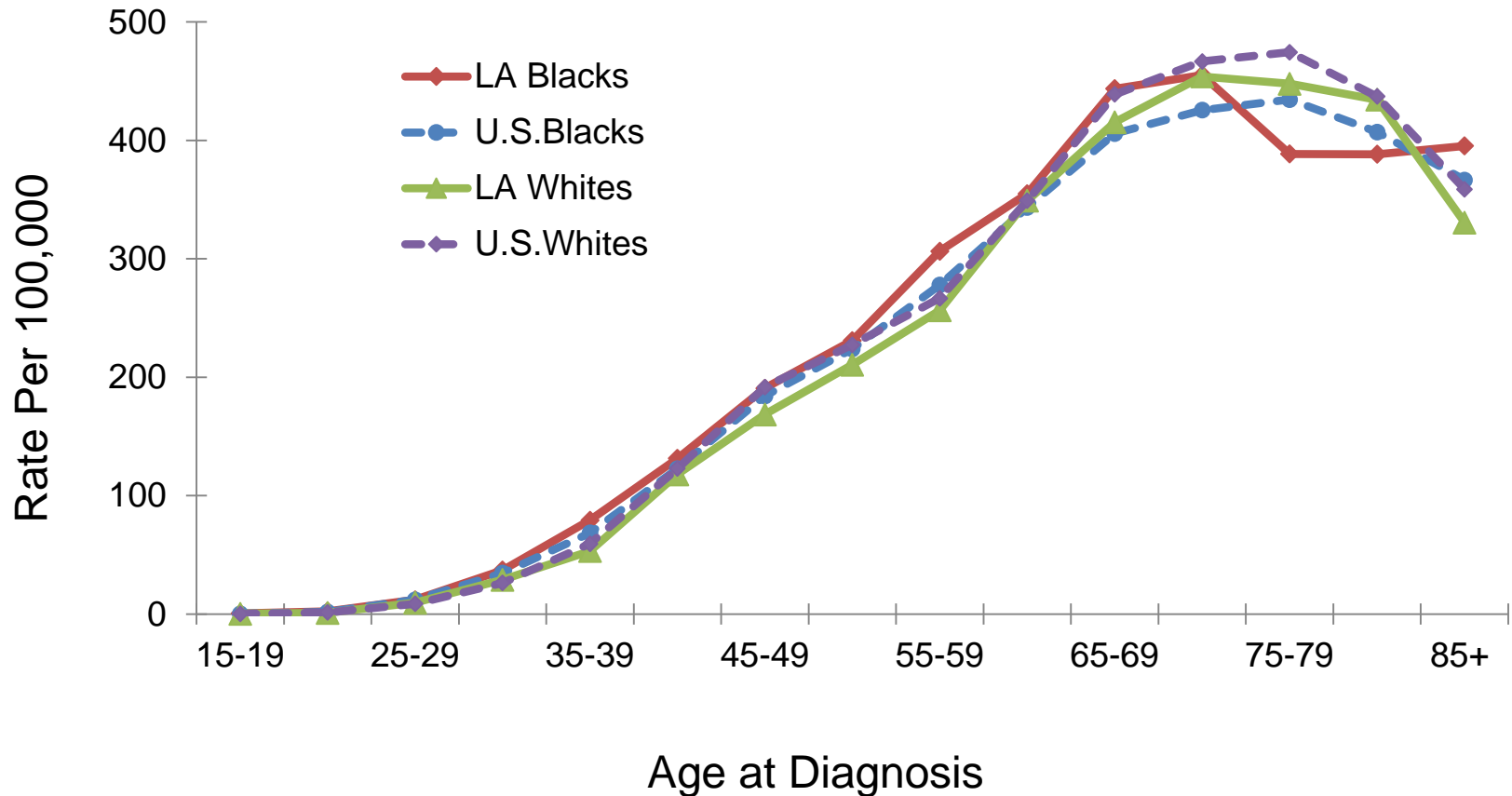
# Female Breast Cancer

- Female breast cancer was the most common cancer and the 2nd leading cause of cancer death in Louisiana women from 2009 to 2013.<sup>1</sup>
- Between 2009 and 2013, the average annual incidence rate of female breast cancer in Louisiana ranked 28<sup>th</sup> in the nation and the mortality rate was the 2nd highest in the U.S.<sup>1</sup>
- About 3,400 new females breast cancers are expected to be diagnosed and about 630 females are expected to die of breast cancer in Louisiana in 2016.<sup>2</sup>

<sup>1</sup> Data source: NCI state cancer profile.

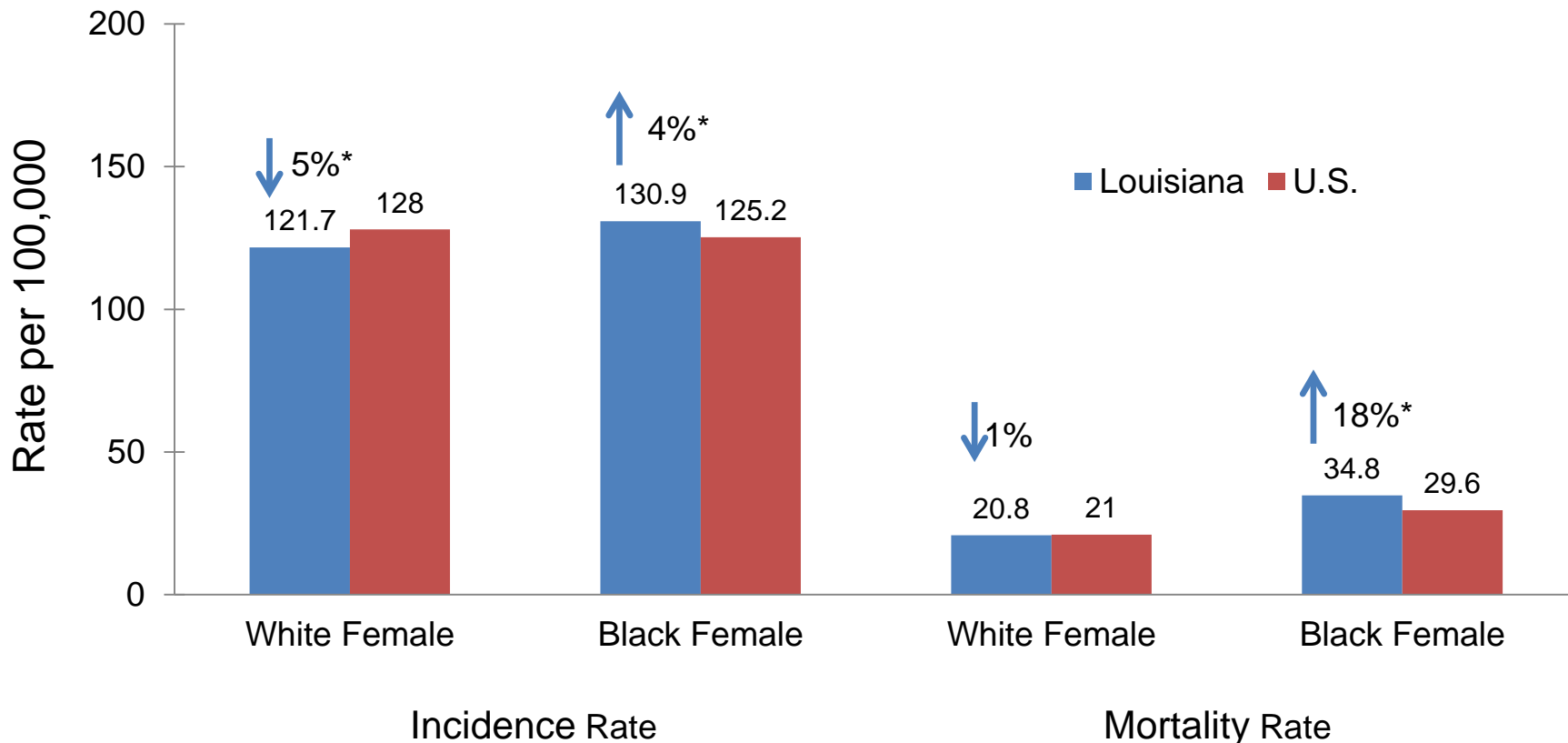
<sup>2</sup> Data source: American Cancer Society, Cancer Facts & Figures 2016.

# Female Breast Cancer: Age-Specific Incidence Rates by Race, 2009-2013



U.S. data source: 18 SEER registries.

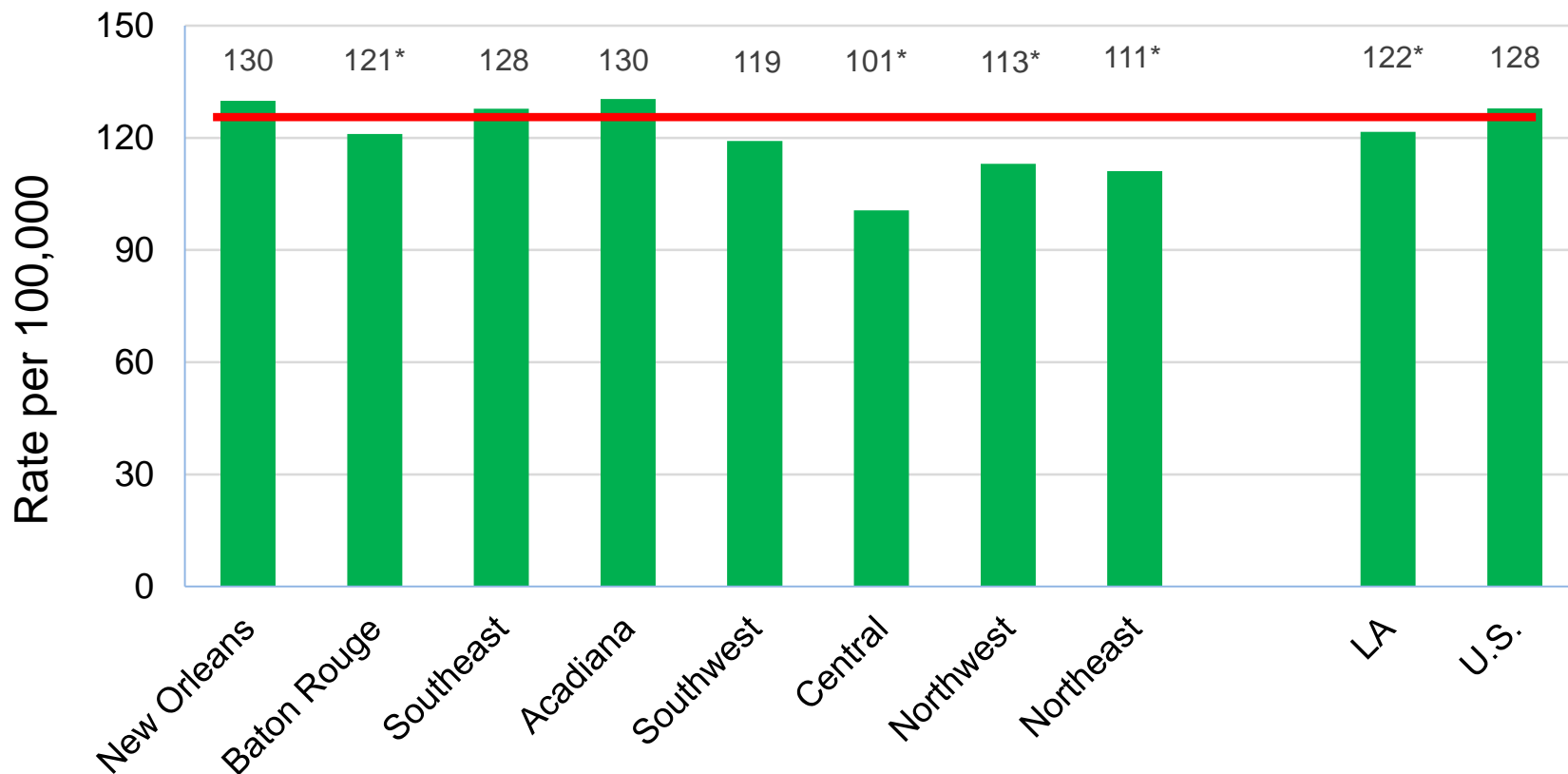
# Female Breast Cancer: Incidence and Mortality Rates<sup>1,2</sup>, 2009-2013



<sup>1</sup> Age-adjusted to the 2000 U.S. standard population; <sup>2</sup> U.S. incidence data source: SEER 18 registries; Mortality data source: National Center for Health Statistics (NCHS).

\* Rate of Louisiana is significantly different from that of the U.S.

# Female Breast Cancer Incidence Rates<sup>1,2</sup> by Region: Louisiana, Whites, 2009-2013

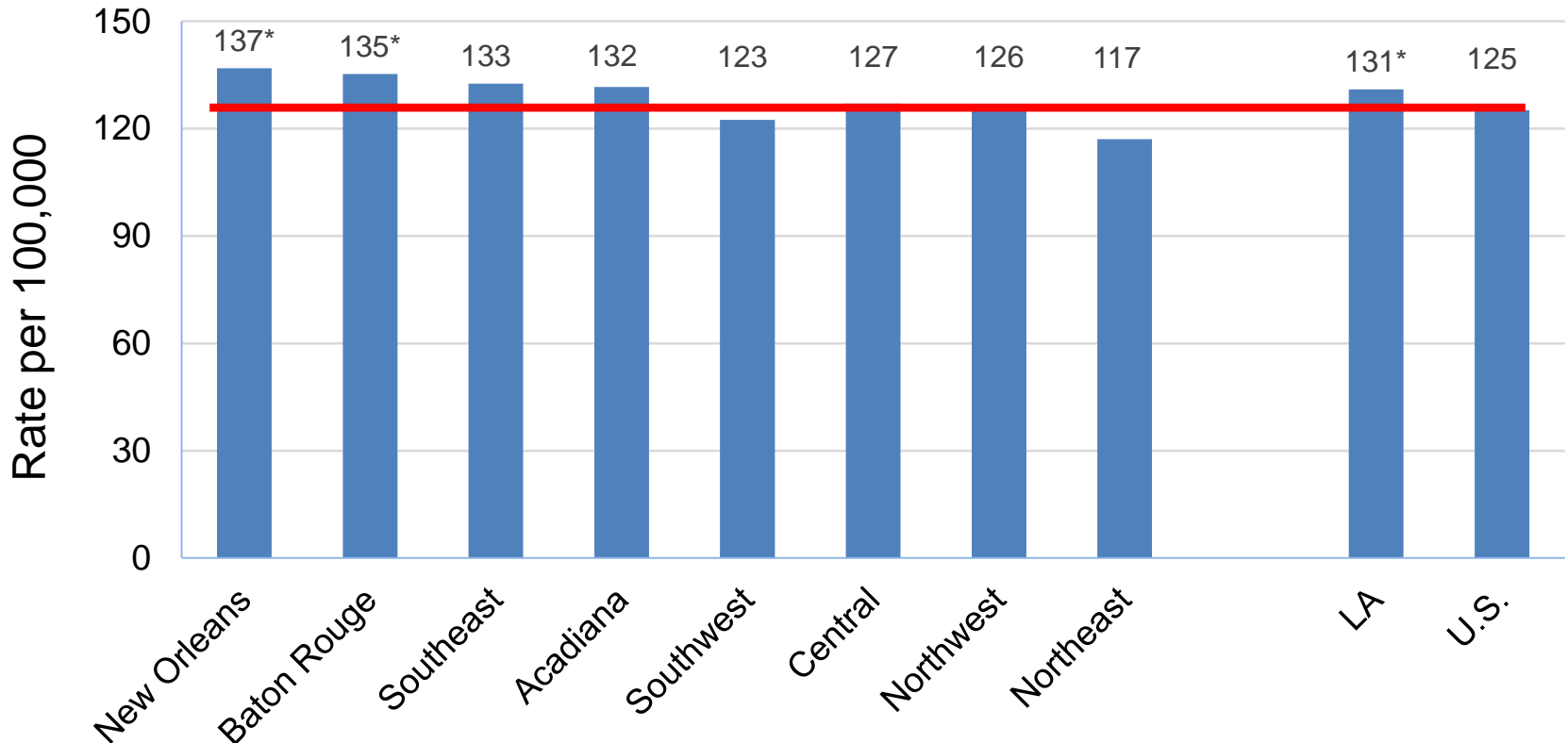


<sup>1</sup> Age-adjusted to the 2000 U.S. standard population.

<sup>2</sup> Data source for the U.S. was the 18 SEER registries.

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

# Female Breast Cancer Incidence<sup>1,2</sup> by Region: Louisiana, Blacks, 2009-2013

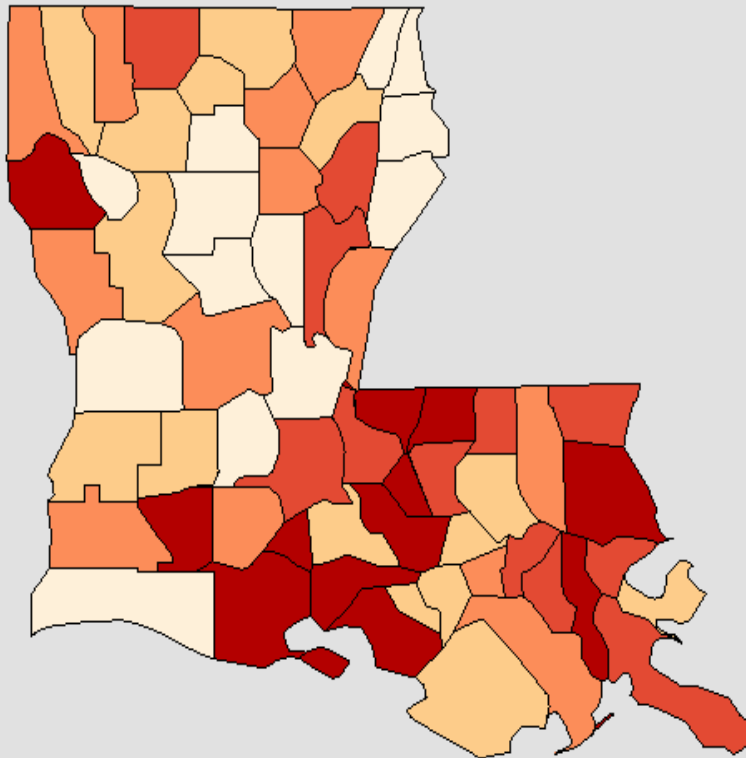


<sup>1</sup> Age-adjusted to the 2000 U.S. standard population.

<sup>2</sup> Data source for U.S. was the 18 SEER registries.

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

Incidence Rates<sup>†</sup> for Louisiana  
Breast, 2009 - 2013  
All Races (includes Hispanic), Female, All Ages



Age-Adjusted  
Annual Incidence Rate  
(Cases per 100,000)  
[Quantile Interval](#)

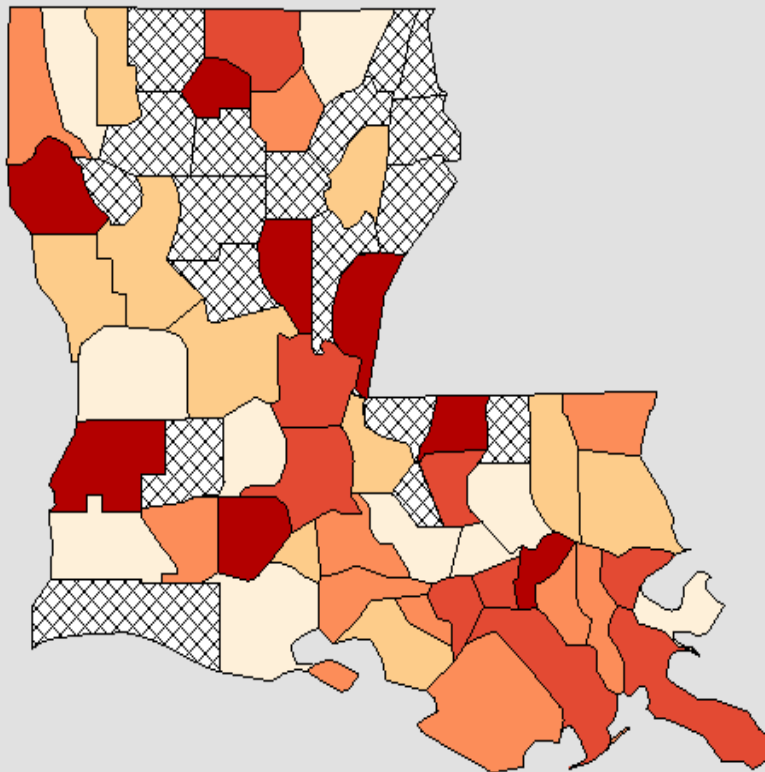
- 62.1 to 106.6
- 106.6 to 116.2
- 116.2 to 121.0
- 121.0 to 130.4
- 130.4 to 158.2

US (SEER + NPCR)  
Rate (95% C.I.)  
123.3 (123.1 - 123.5)

Louisiana  
Rate (95% C.I.)  
123.4 (121.5 - 125.4)

**Notes:**  
Created by statecancerprofiles.cancer.gov on 10/11/2016 10:55 am.

**Death Rates for Louisiana**  
**Breast, 2009 - 2013**  
**All Races (includes Hispanic), Female, All Ages**



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

[Quantile Interval](#)

- 15.5 to 20.2
- 20.2 to 23.1
- 23.1 to 26.0
- 26.0 to 31.4
- 31.4 to 46.0

Suppressed\*

United States  
 Rate (95% C.I.)  
 21.5 (21.4 - 21.6)

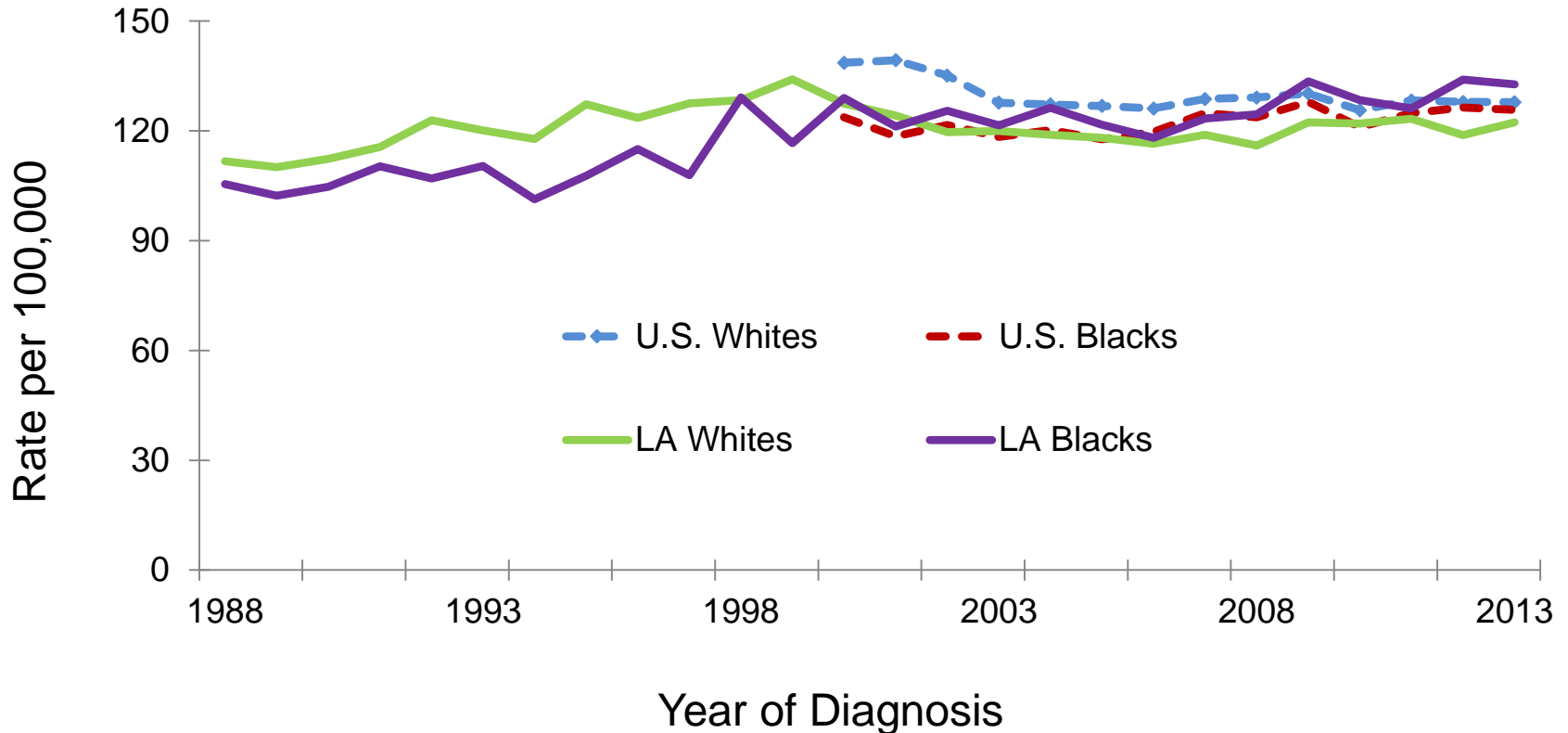
Louisiana  
 Rate (95% C.I.)  
 24.5 (23.7 - 25.4)

Healthy People 2020  
 Goal C-3  
 20.7

**Notes:**  
 Created by statecancerprofiles.cancer.gov on 10/11/2016 10:56 am.



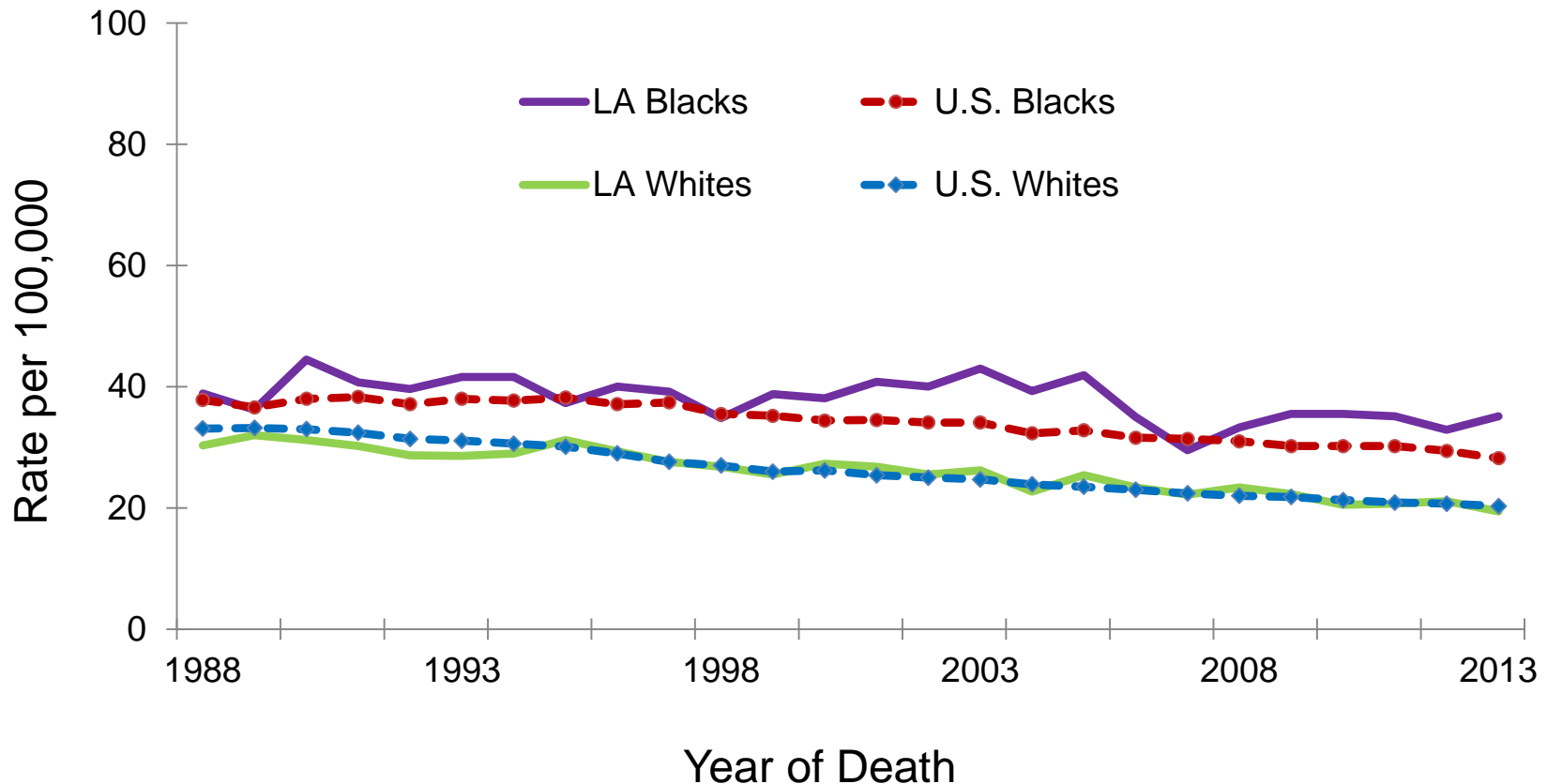
# Female Breast Cancer: Trend of Incidence Rates<sup>1,2</sup>, 1988-2013



<sup>1</sup> Age-adjusted to the 2000 U.S. standard population.

<sup>2</sup> U.S. incidence data source: 18 SEER registries.

# Female Breast Cancer: Trends of Mortality Rates<sup>1,2</sup>, 1988-2013

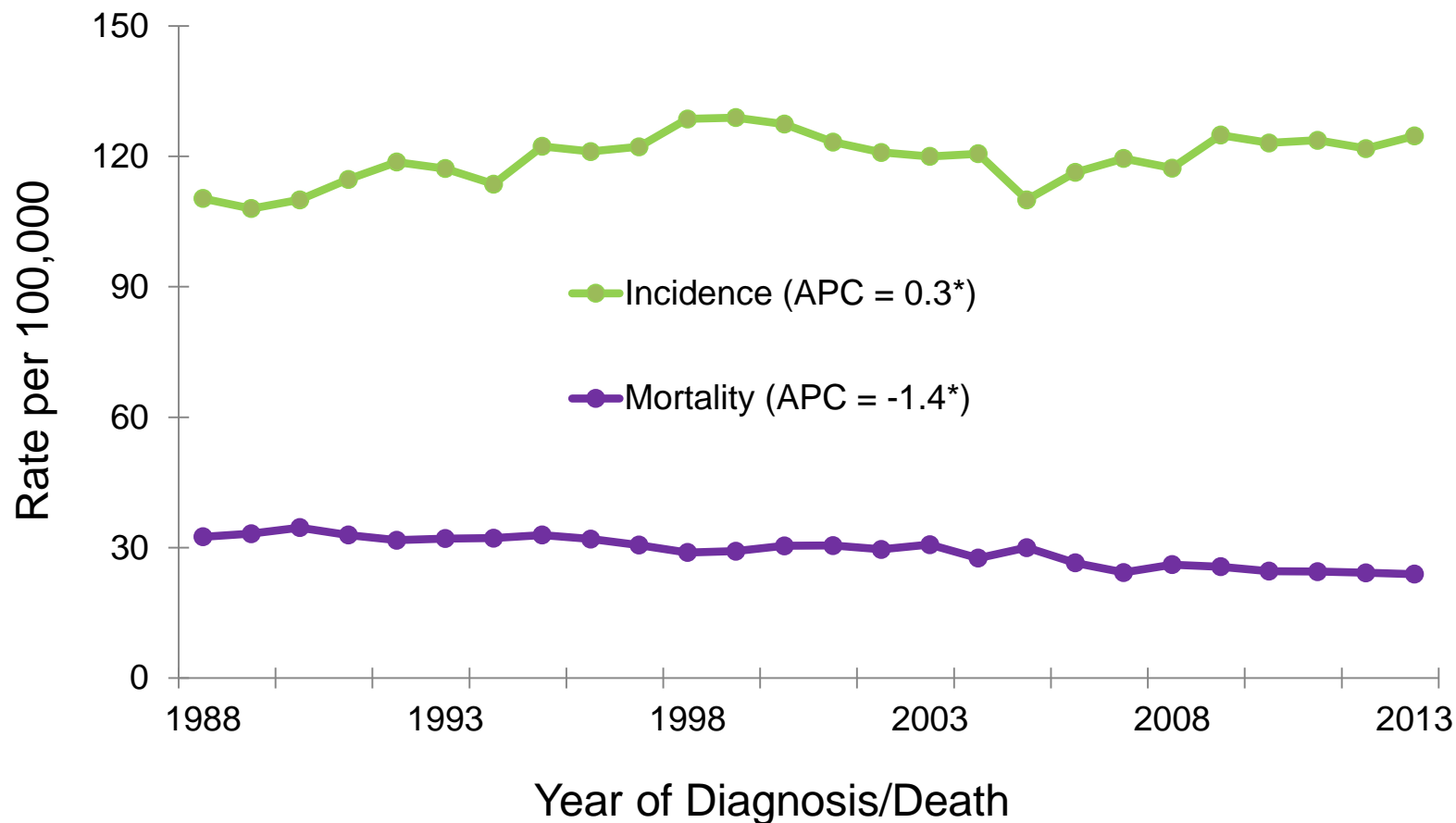


<sup>1</sup> Age-adjusted to the 2000 U.S. standard population.

<sup>2</sup> National Center of Health Statistics (NHCS) mortality rates.

# Female Breast Cancer: Louisiana

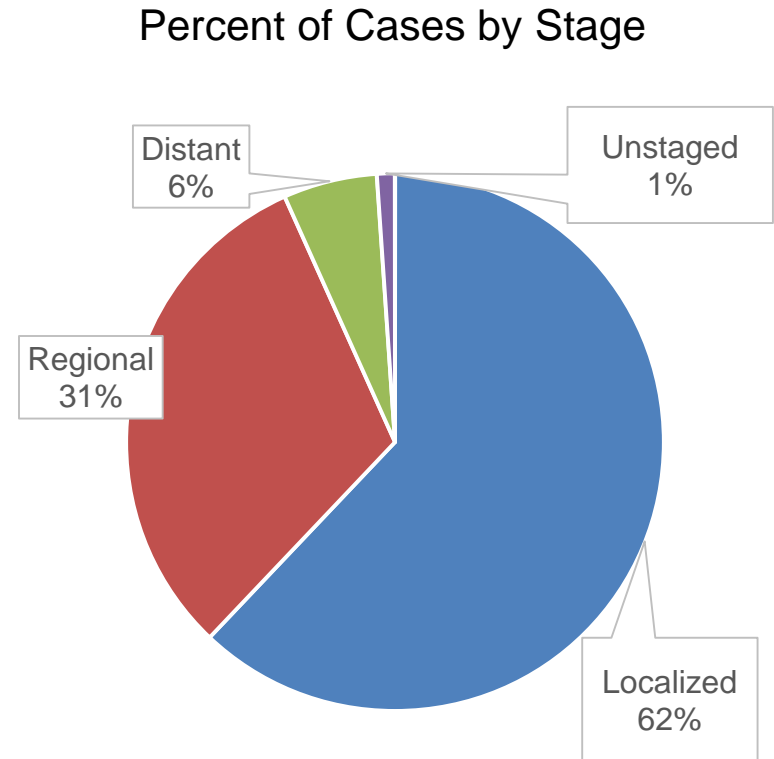
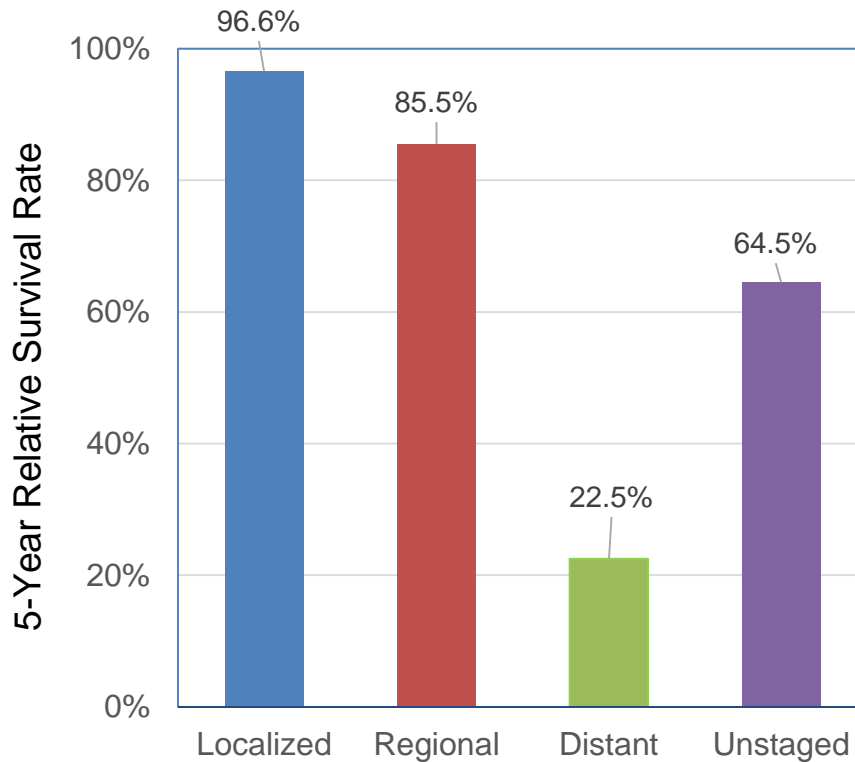
## Trends of Incidence and Mortality Rates, 1988-2013



\*APCs were calculated using weighted least squares method

# Female Breast Cancer<sup>1</sup>: Louisiana

## 5-Year Relative Survival by Stage<sup>2</sup>, Whites, 2006-2012

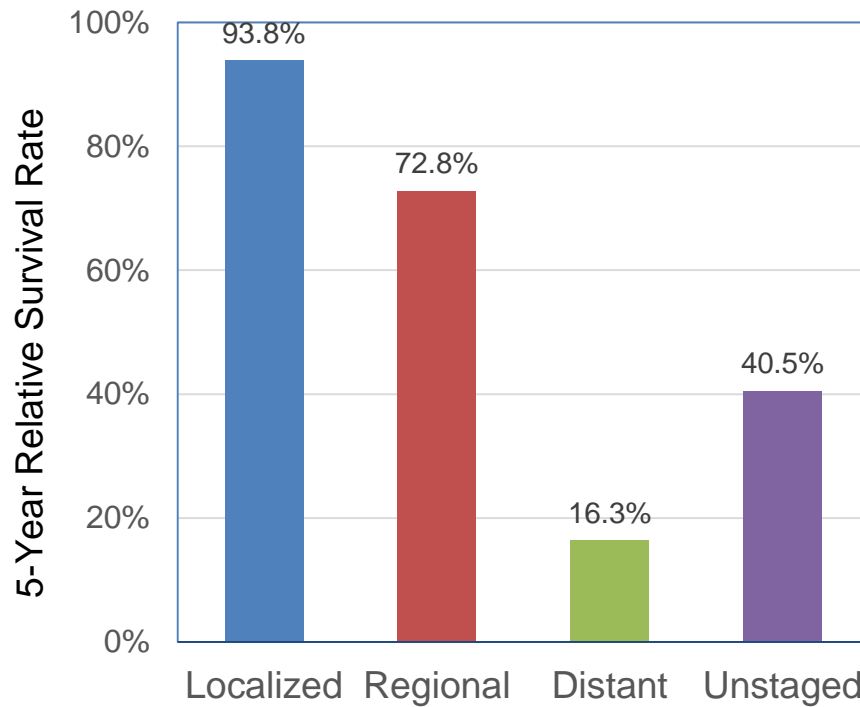


<sup>1</sup> Breast cancer includes first primary only (sequence number 0 or 1).

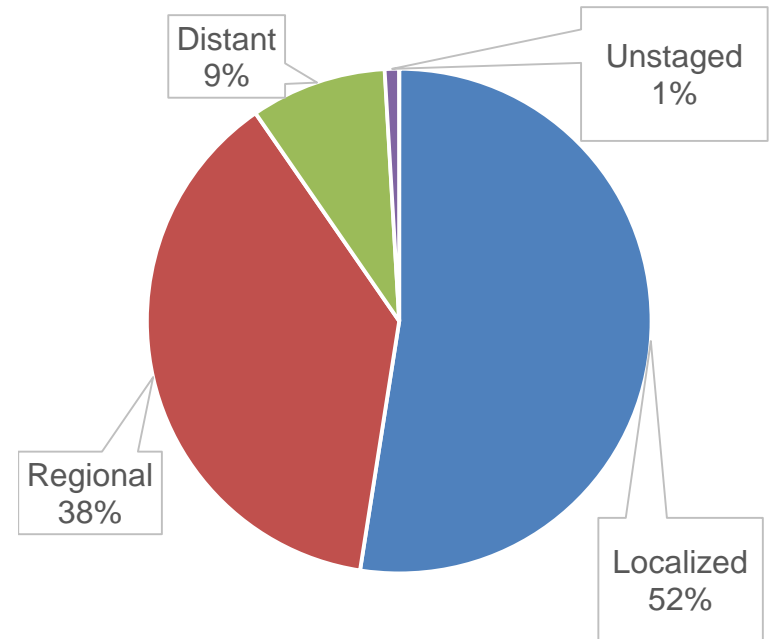
<sup>2</sup> The stage distribution is based on Summary Stage 2000.

# Female Breast Cancer<sup>1</sup>: Louisiana

## 5-Year Relative Survival by Stage<sup>2</sup>, Blacks, 2006-2012



Percent of Cases by Stage



<sup>1</sup> Breast cancer includes first primary only (sequence number 0 or 1).

<sup>2</sup> The stage distribution is based on Summary Stage 2000.

# Data Sources

**Surveillance, Epidemiology, and End Results (SEER) Program** ([www.seer.cancer.gov](http://www.seer.cancer.gov)), SEER\*Stat Databases, National Cancer Institute, DCCPS, Surveillance Research Program, Surveillance Systems Branch, released April 2016, based on the November 2015 submission.

## **For Incidence:**

- Incidence - SEER 18 Regs Research Data + Hurricane Katrina Impacted Louisiana Cases, Nov 2015 Sub (2000-2013) <Katrina/Rita Population Adjustment>
- SEER\*DMS - LTR 1988-2013, June 7, 2016

## **For Mortality:**

- Mortality – all COD, aggregated with States, Total U.S. (1969-2013) <Katrina/Rita Population Adjustment>

## **For Survival:**

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

# 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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- National Cancer Institute, SEER Program
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