### Louisiana Cancer Facts & Figures, Early Captured Cases (ECC), 2016

Louisiana Tumor Registry

September 30, 2016





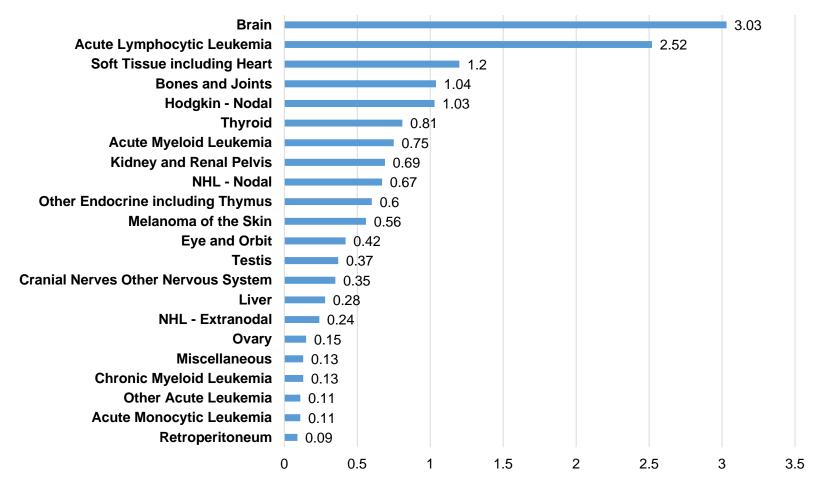
## Early Captured Cases (ECC)

- Early captured cases refer to patients younger than 20 years old who were diagnosed with malignant cancers and solid benign and borderline tumors of the brain and central nervous system.
- About 200 new early captured cases were diagnosed each year and about 30 kids younger than age twenty died of malignant cancers in Louisiana each year<sup>1</sup>.

1. Estimated by averaging the incidences and deaths of 2009-2013.



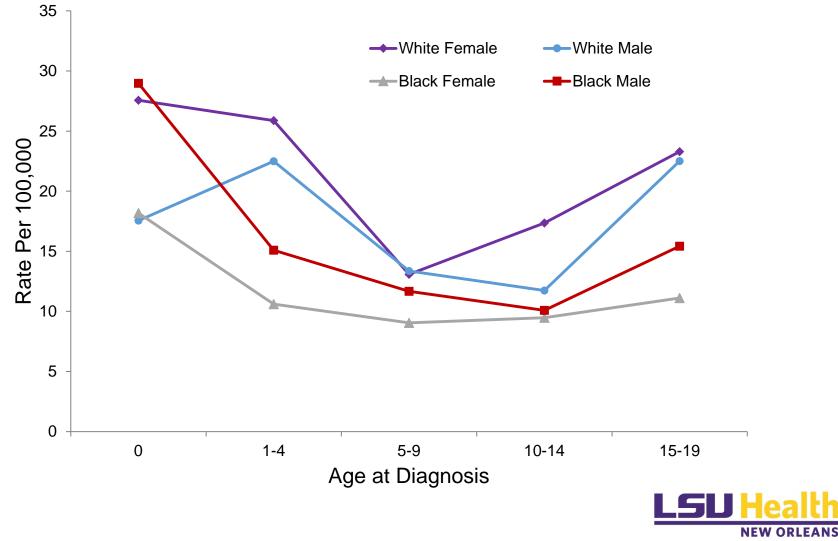
# ECC Incidence Rates<sup>1</sup> by Cancer Site Louisiana, 2009-2013



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

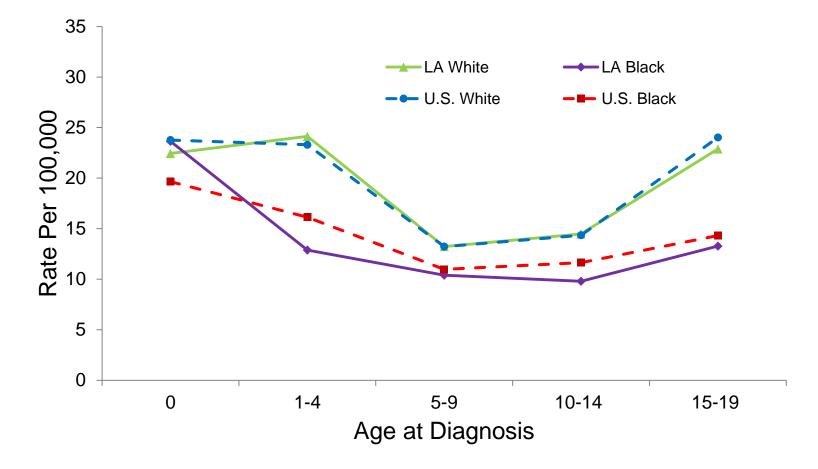


# ECC: Age-Specific Cancer Incidence Rates Louisiana, 2009-2013



Louisiana Tumor Registry

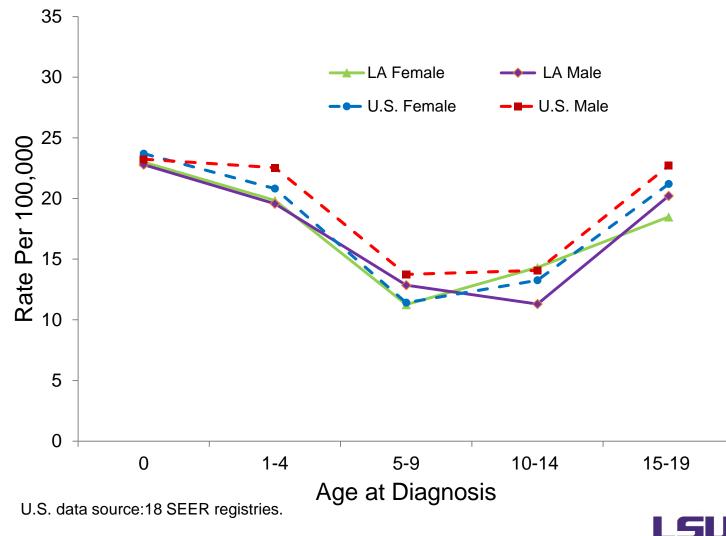
### ECC: Age-Specific Incidence Rates by Race, 2009-2013



U.S. data source:18 SEER registries.

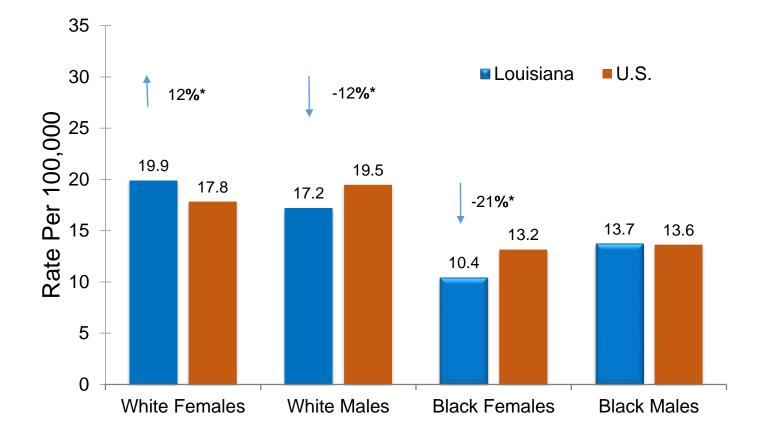


# ECC: Age-Specific Incidence Rates by Gender, 2009-2013



NEW ORLEANS Louisiana Tumor Registry

#### ECC: Incidence Rates<sup>1</sup> Louisiana vs. US<sup>2</sup>, 2009-2013



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

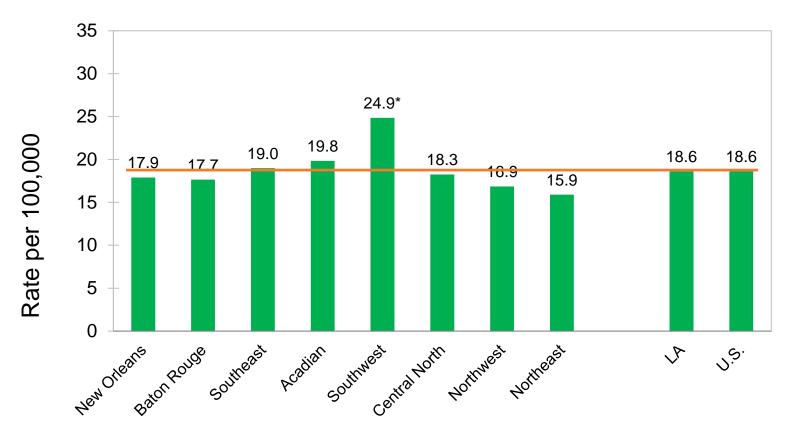
<sup>2</sup> Incidence data source:18 SEER registries.

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





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



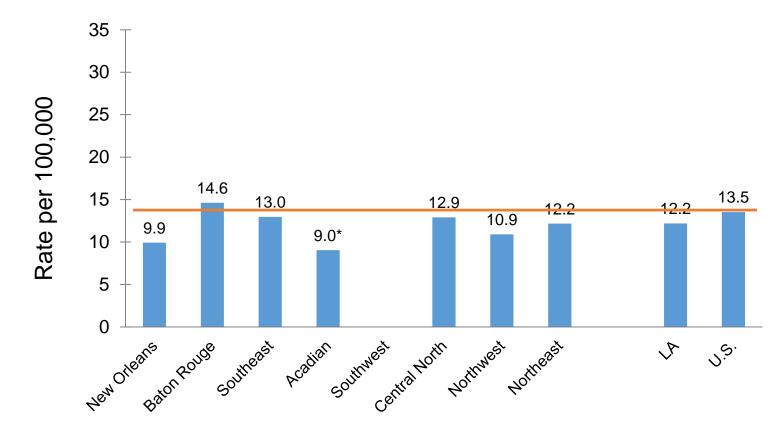
<sup>1</sup> Age-adjusted to the 2000 US standard population.

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

\* Incidence rate of regions/Louisiana is significantly different from that of US.



# ECC: Incidence Rates<sup>1,2</sup> by Region Louisiana, Blacks, 2009-2013

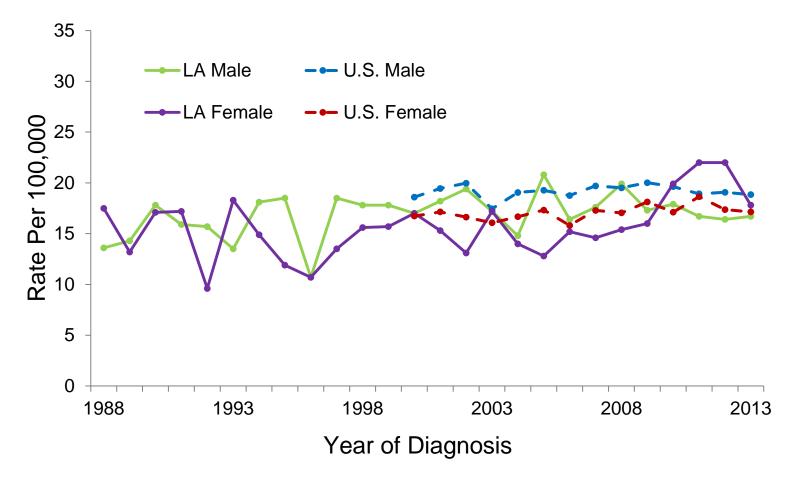


<sup>1</sup> Age-adjusted to the 2000 US standard population. <sup>2</sup> Data source for US was the 18 SEER registries. The rate of SW is not shown due to too few cases (<16).

\* Incidence rate of regions/Louisiana is significantly different from that of US.



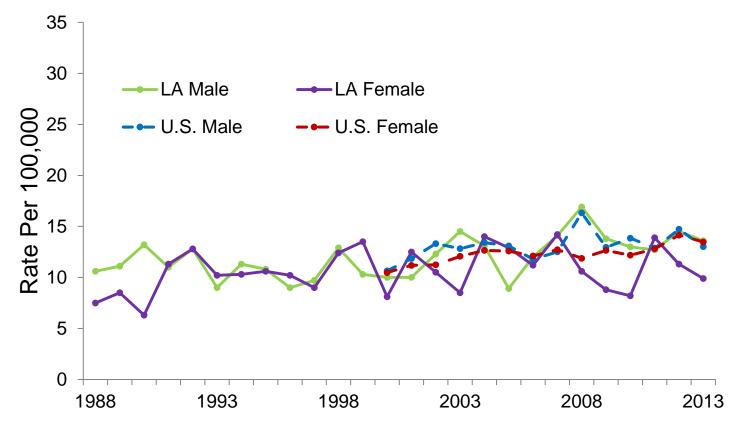
#### ECC: Trends of Incidence Rates<sup>1,2</sup> Whites, 1988-2013



<sup>1</sup> Age-adjusted to the 2000 US standard population. <sup>2</sup> U.S. data source: 18 SEER registries.



#### ECC: Trends of Incidence Rates<sup>1,2</sup> Blacks,1988-2013



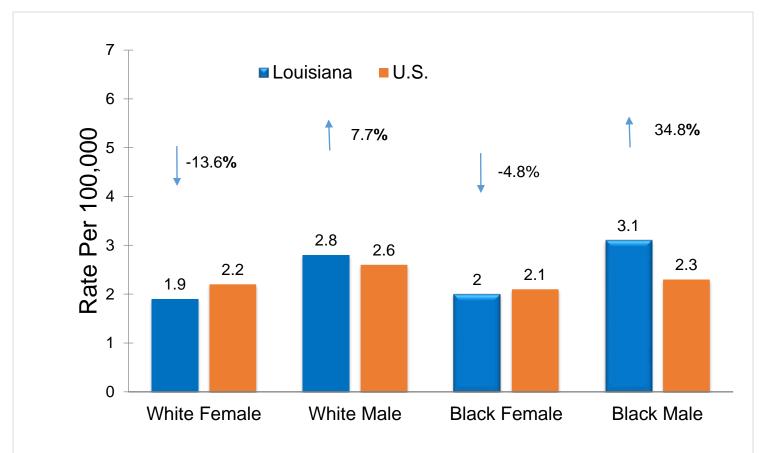
Year of Diagnosis

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

<sup>2</sup> US data source: 18 SEER registries.



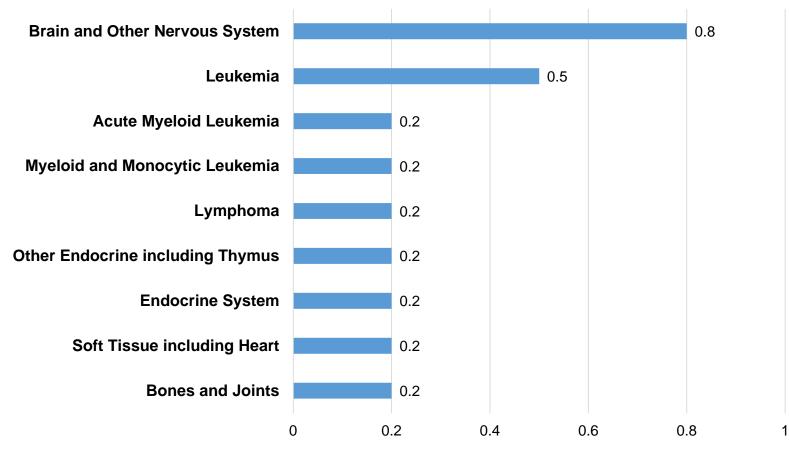
#### ECC: Cancer Mortality Rates<sup>1</sup> Louisiana vs. US<sup>2</sup>, 2009-2013



 $^1$  Age-adjusted to the 2000 US standard population.  $^2$  Data source: 18 SEER registries. No mortality rate of Louisiana  $\,$  is significant different from that of US .

NEW ORLEANS

### ECC: Cancer Mortality Rates<sup>1,2</sup> by Cancer Site

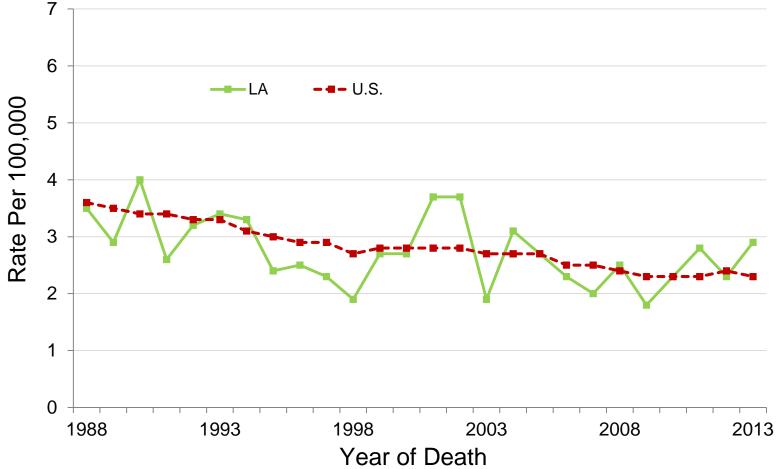


<sup>1</sup> Age-adjusted to the 2000 US standard population.

<sup>2</sup> Data source was National Center of Health Statistics (NCHS).



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

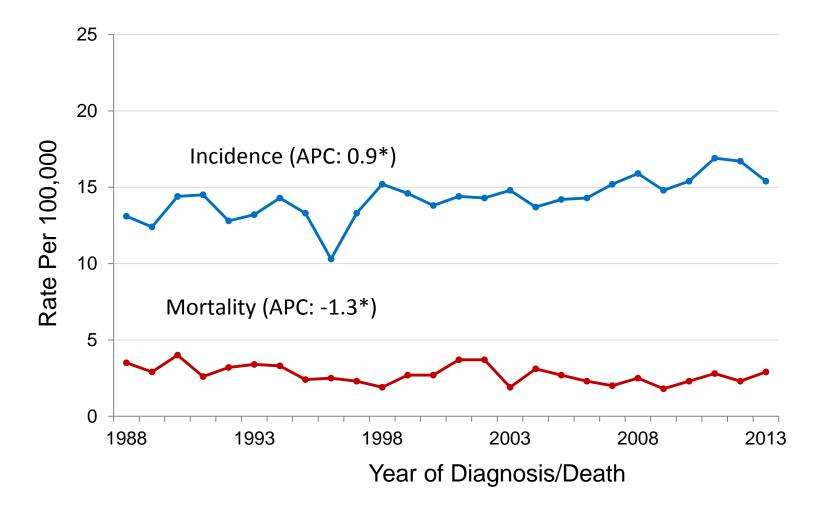


<sup>1</sup> Age-adjusted to the 2000 US standard population.

<sup>2</sup> Data source: National Center of Health Statistics (NCHS).



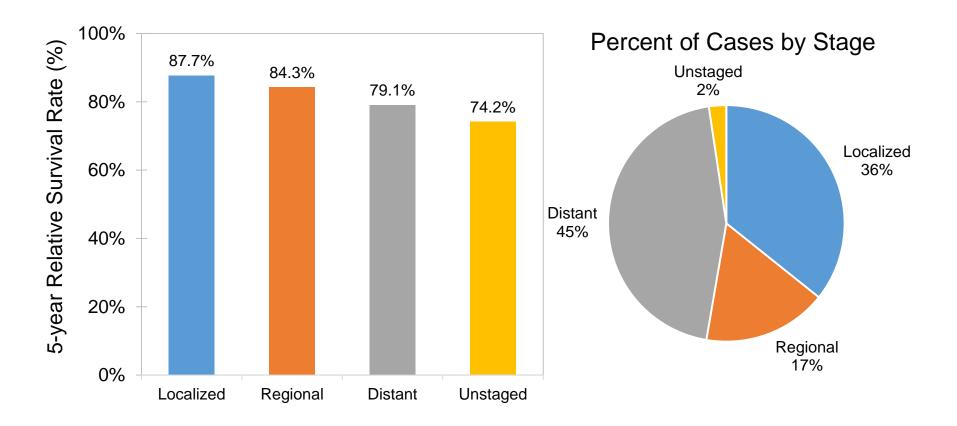
# ECC: Trends of Incidence and Mortality Rates Louisiana, 1988-2013



\*APCs were calculated using weighted least squares method

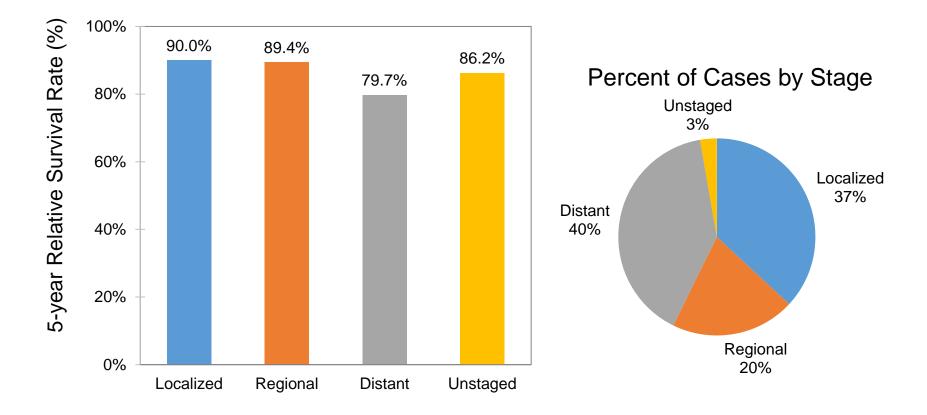


### ECC<sup>1</sup>: Louisiana, White Males, 2006-2012



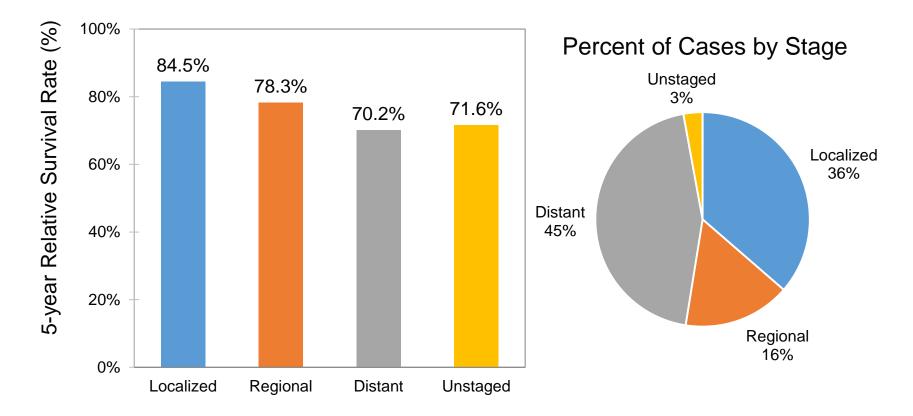


### ECC<sup>1</sup>: Louisiana, White Females, 2006-2012



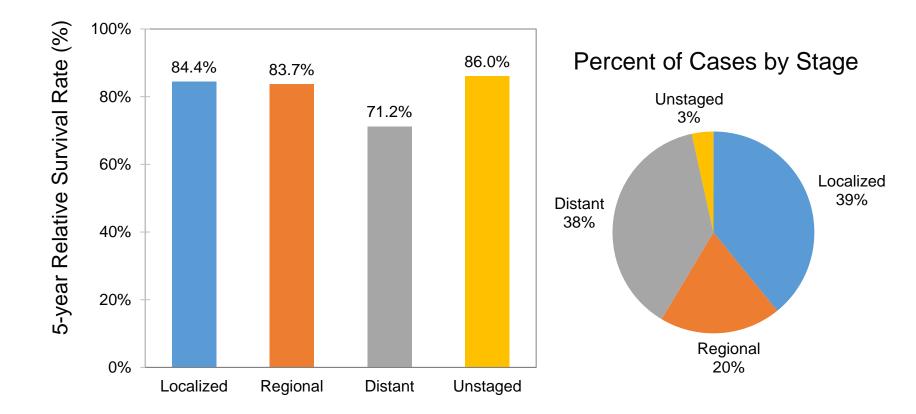


### ECC<sup>1</sup>: Louisiana, Black Males, 2006-2012





### ECC<sup>1</sup>: Louisiana, Black Females, 2006-2012





### 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 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 (<u>http://louisianatumorregistry.lsuhsc.edu/</u>)
- Louisiana Cancer Registrars' Association (<u>http://www.lcra-usa.org/</u>)
- 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 (<u>http://louisianatumorregistry.lsuhsc.edu/regionalregistries.html</u>)
- 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
- National Program of Cancer Registries, CDC
- Louisiana Health Care Services Division



### Editors Yong Yi, PhD, MS Meichin Hsieh, PhD, MSPH, CTR Lauren Maniscalco, MPH Xiaocheng Wu, MD, MPH, CTR

#### Contributors

Xiangrong Li, MD, MSPH Brent Mumphrey, BS Tina Lefante, MPH Lisa Pareti, BS, RHIT, CTR



Louisiana Tumor Registry

## **Questions?**

• Contact:

## • LTR-info@lsuhsc.edu

•or •504/568-5757

