

# Childhood Cancer in Kentucky

Eric B. Durbin, DrPH, MS  
Director of Cancer Informatics  
Kentucky Cancer Registry

Interim Joint Committee on Health and Welfare  
September 19, 2018

# Overview

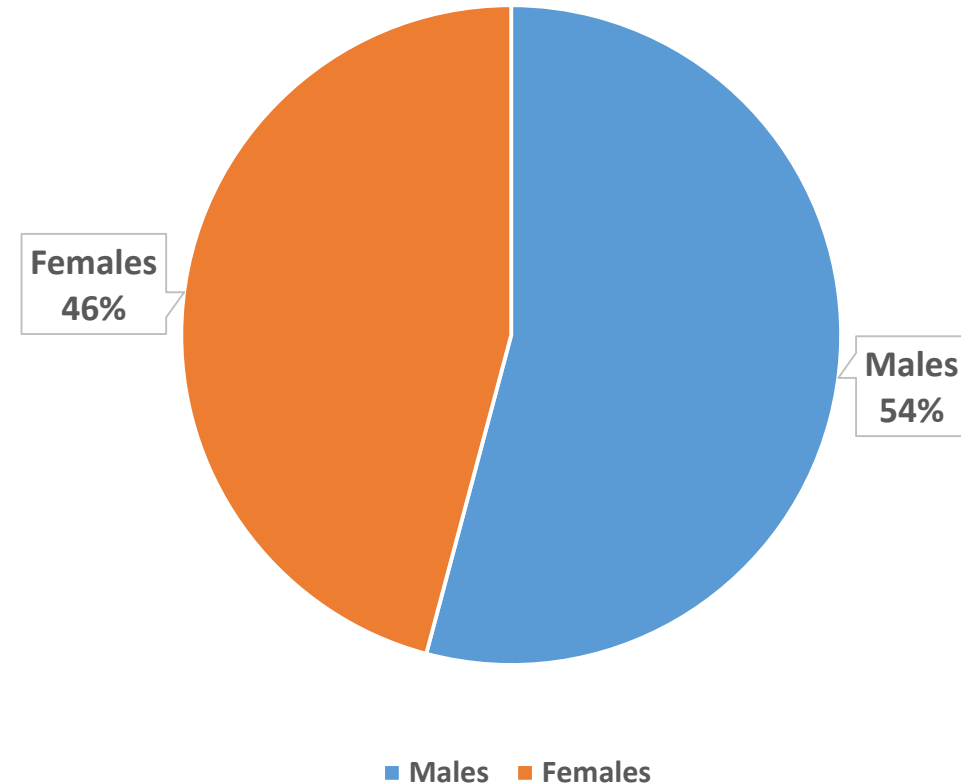
- Childhood cancer incidence in Kentucky
- Trends and regional burden of childhood cancer in Kentucky
- Comparisons with US incidence rates
- Childhood cancer survival in Kentucky

# Childhood Cancer Incidence in Kentucky

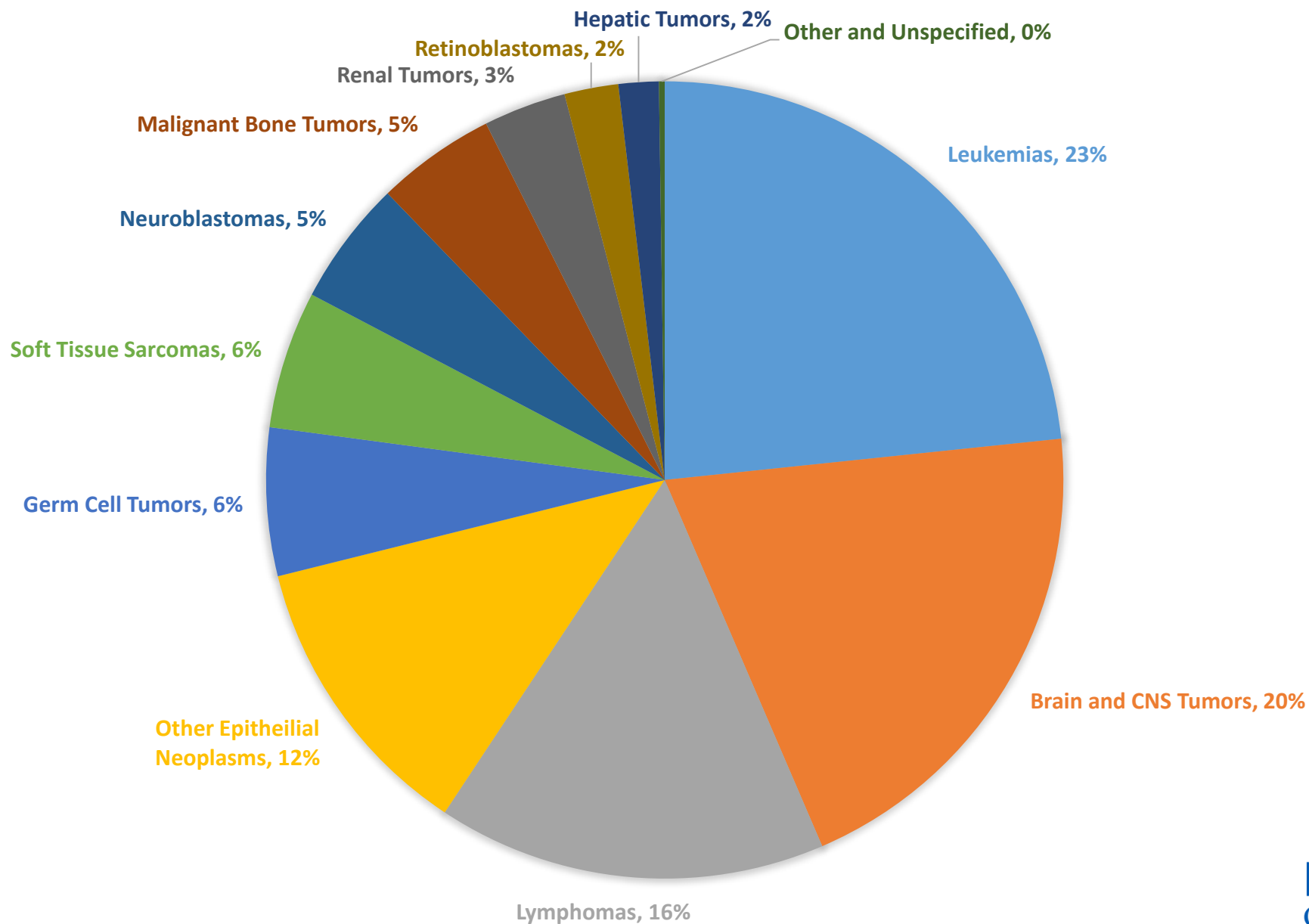
## All Sites, 2007-2016

- All Children
  - 2,146 Cases
  - 215 Cases per Year (Average)
- Males
  - 1162 Cases
  - 116 Cases per Year (Average)
- Females
  - 984 Cases
  - 98 Cases per Year (Average)

Proportion of Cases by Sex

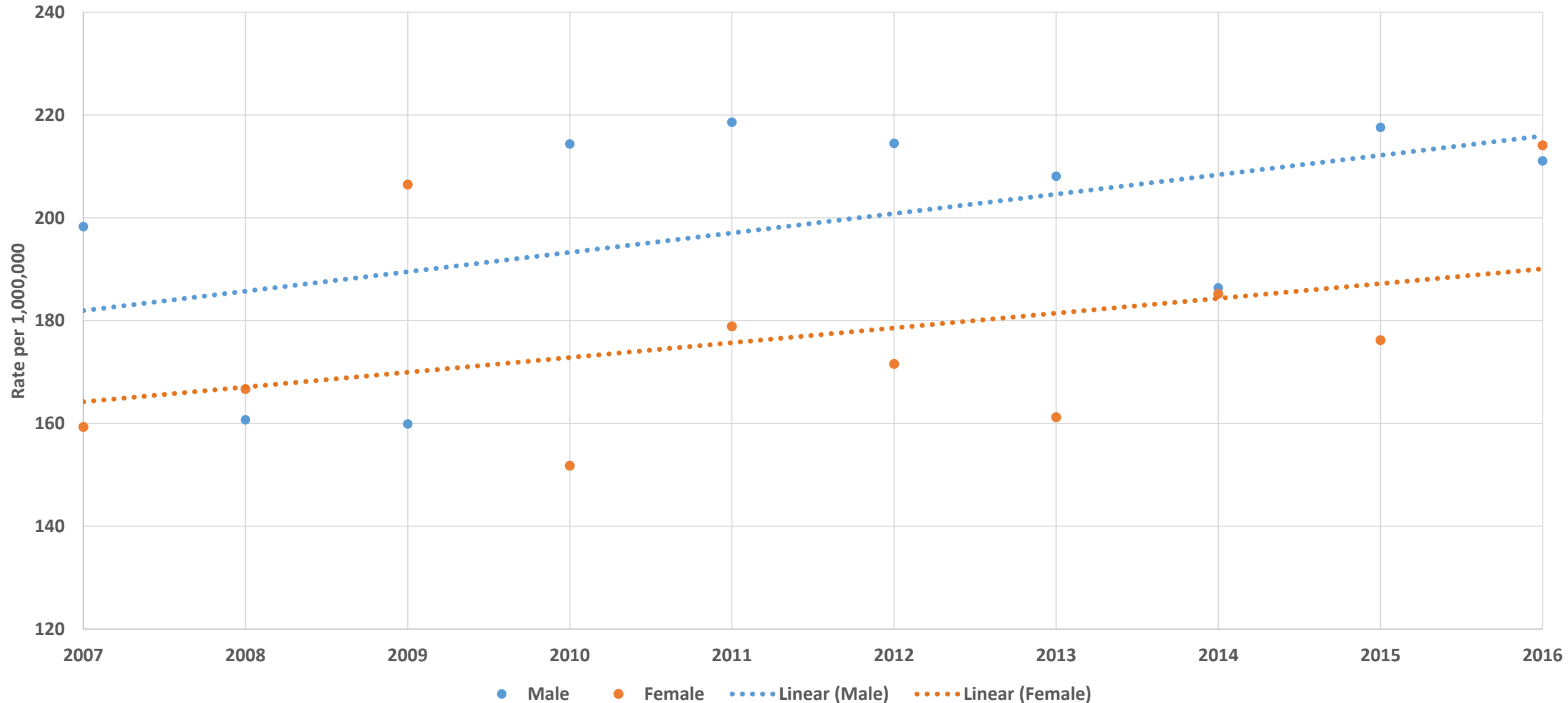


# Childhood Cancer Incidence in Kentucky, 2007-2016



# Age-Adjusted Childhood Cancer Incidence Rates in Kentucky

## All Sites, 2007-2016

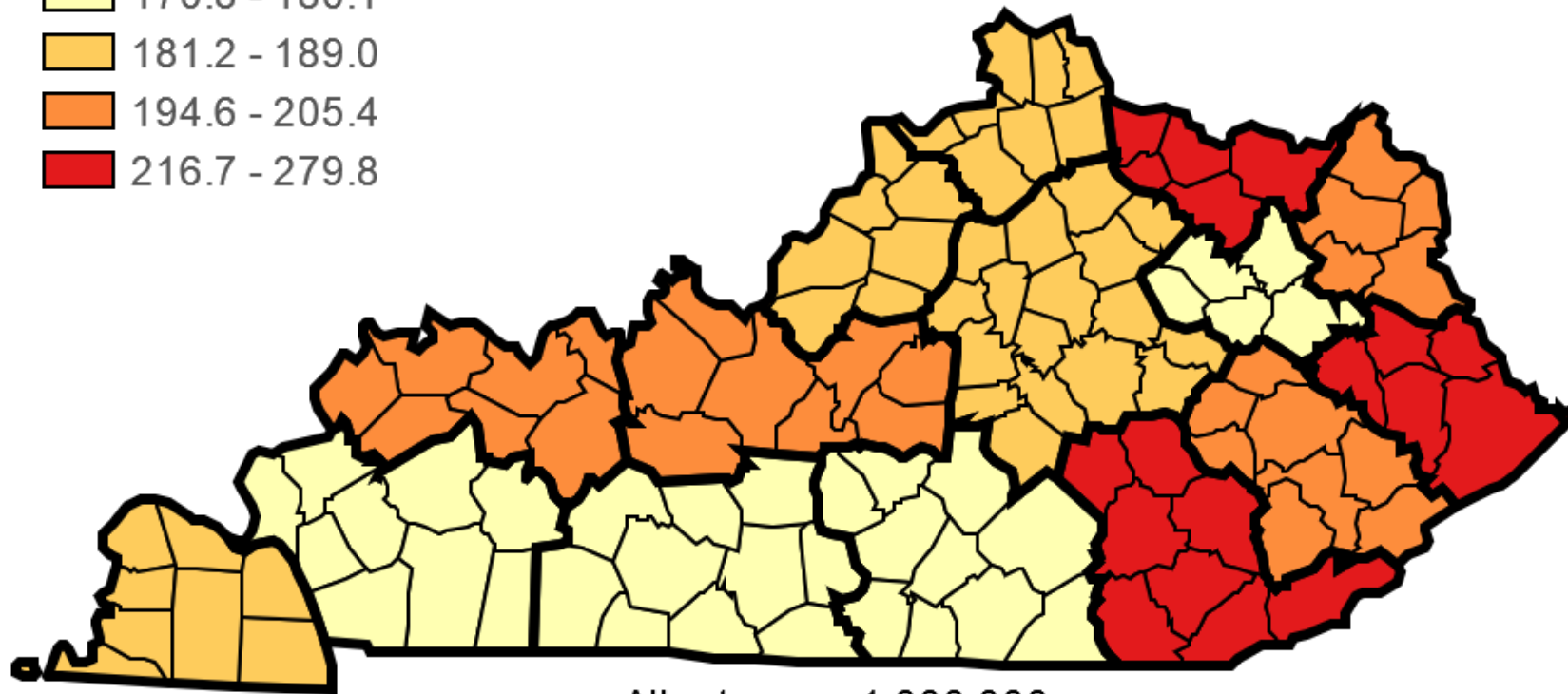
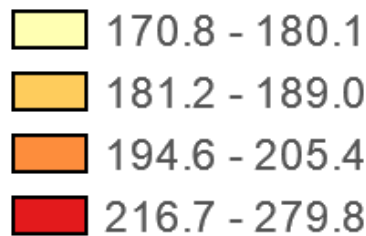


# Age-Adjusted Childhood Cancer Incidence Rates in Kentucky All Sites, 2007 - 2016

By Area Development District

Age-Adjusted to the 2000 U.S. Standard Million Population

Kentucky Rate: 188.3 / per 1,000,000

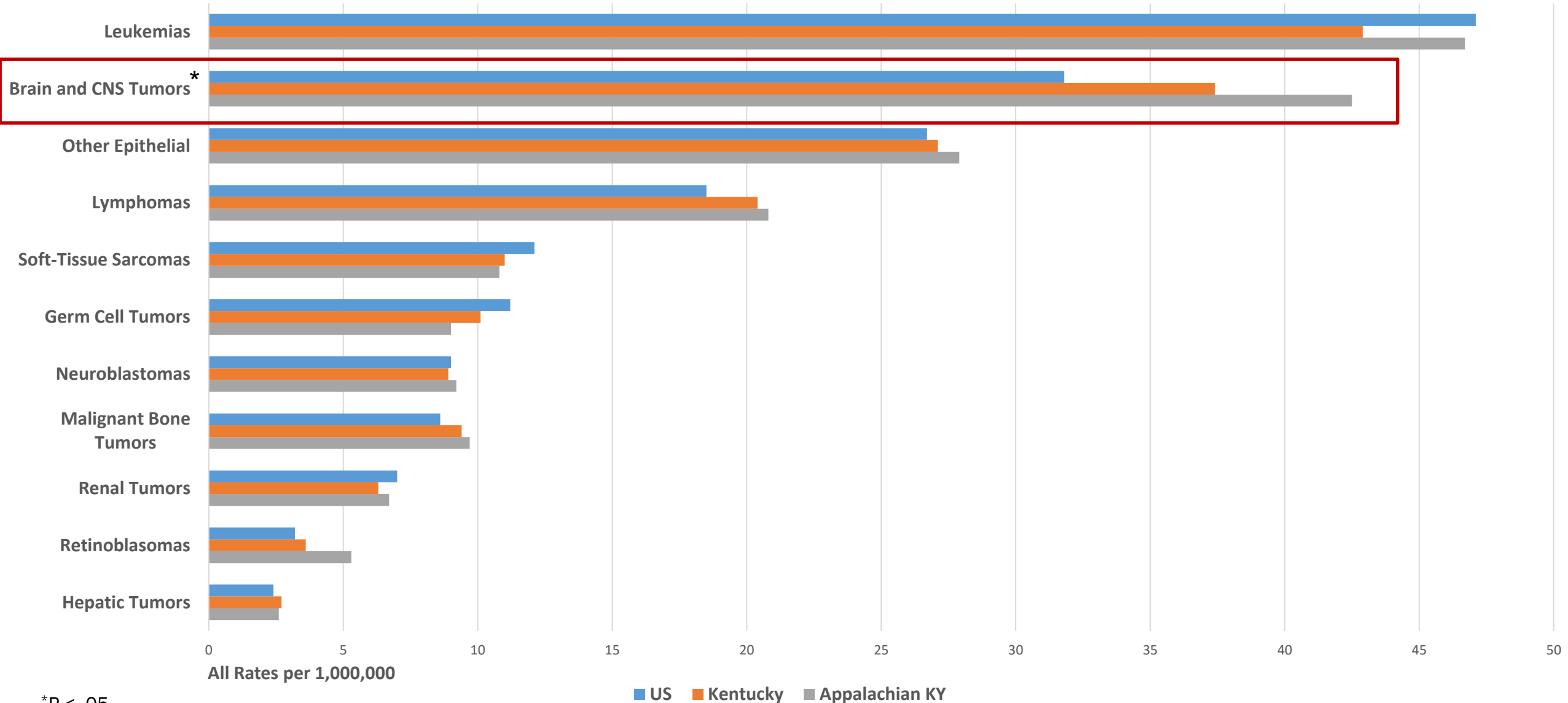


All rates per 1,000,000.

Data accessed September 11, 2018. Based on preliminary data released Aug 2018.

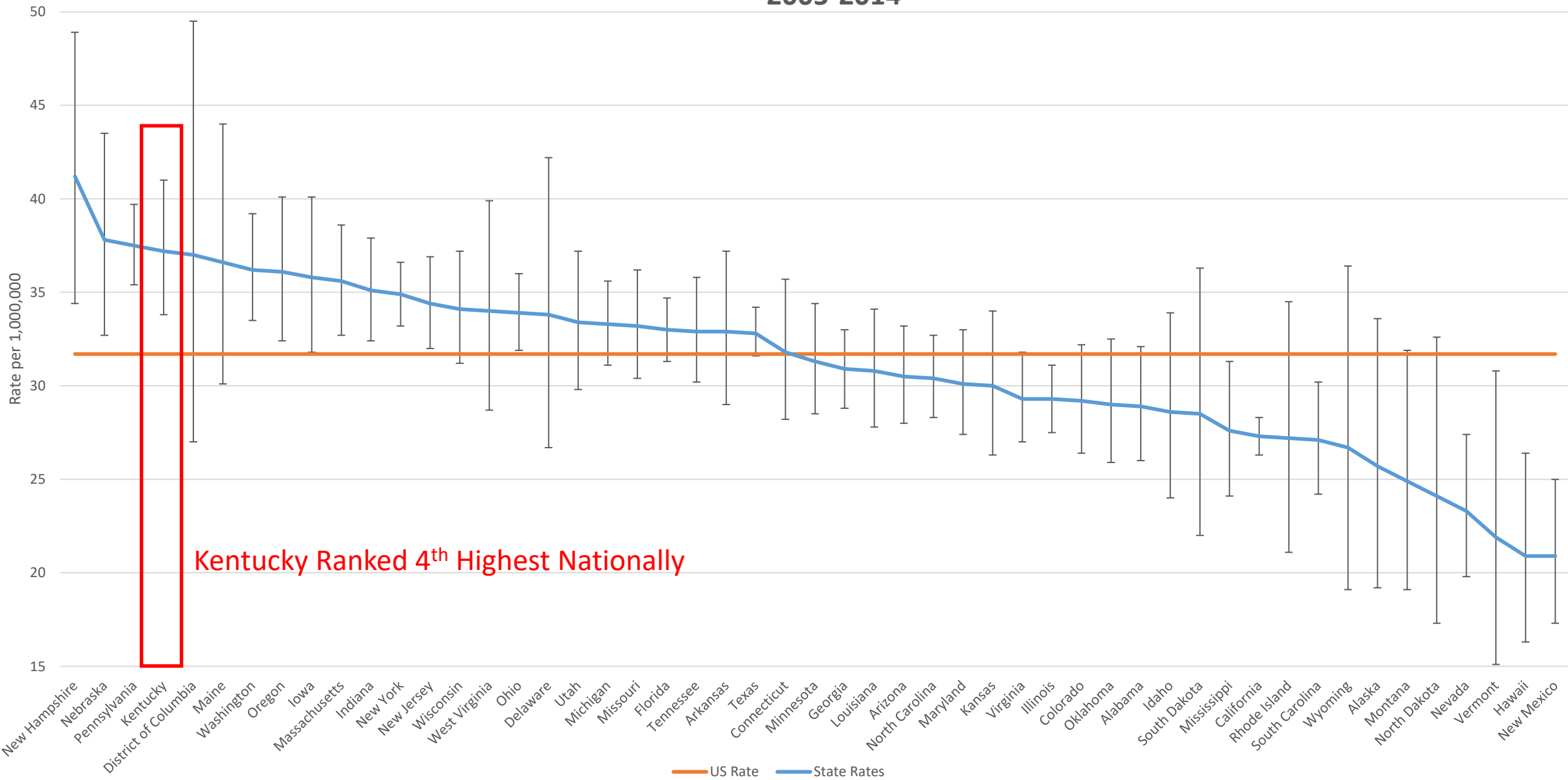
© 2018 Kentucky Cancer Registry.

# Age-Adjusted Childhood Cancer Incidence Rates 2005-2014



\*P < .05

# Age-Adjusted Childhood Cancer Incidence Rates (with 95% Confidence Intervals) Brain and CNS Tumors 2005-2014



Kentucky Ranked 4<sup>th</sup> Highest Nationally

US Rate State Rates

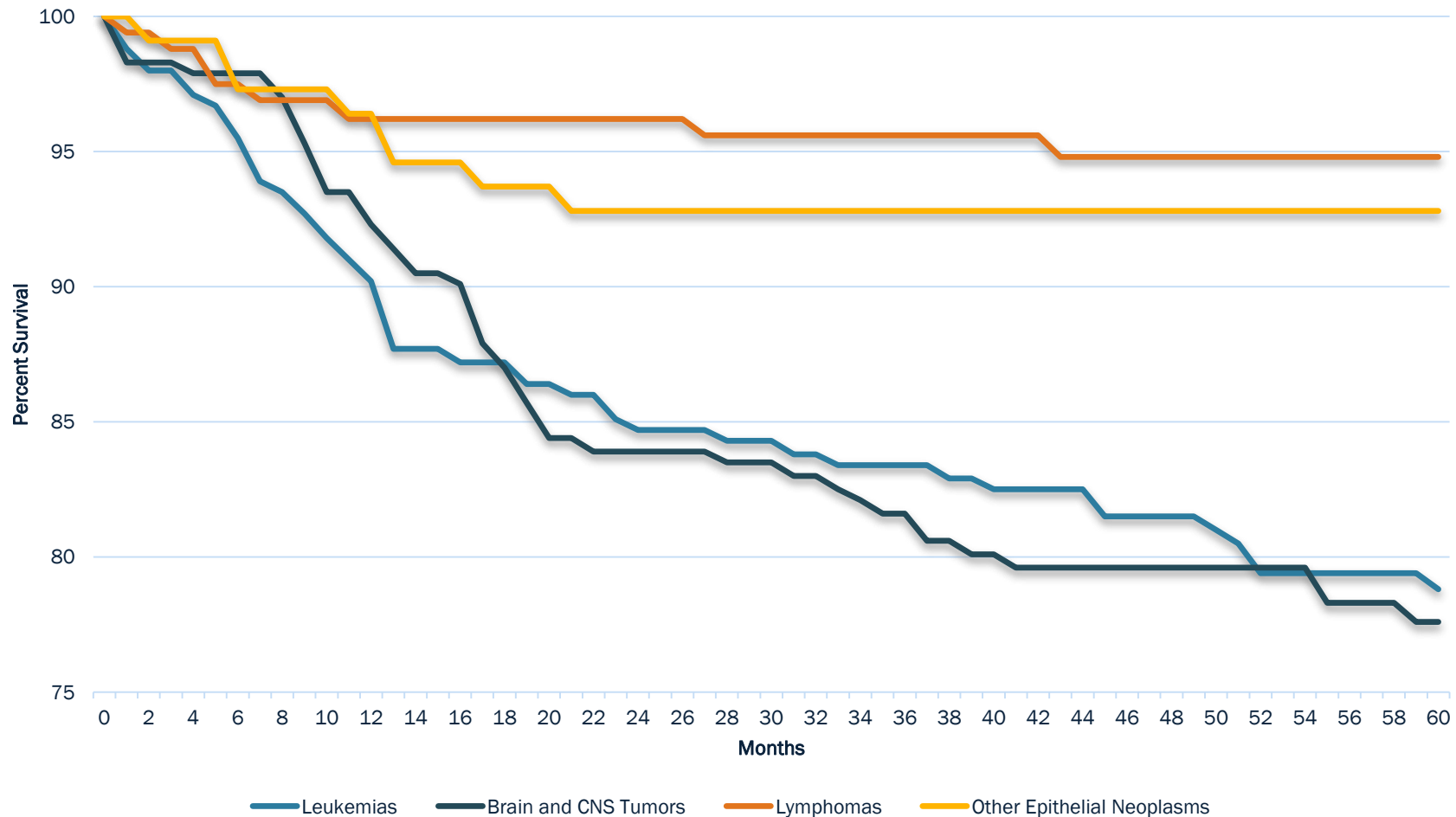


# Childhood Cancer in Kentucky

## Survival by Selected Sites

### 2009-2013

Observed 5-Year Survival



# Questions/Discussion

**Eric B. Durbin, DrPH, MS**

Director

Kentucky Cancer Registry

(859)218-3182

[ericd@kcr.uky.edu](mailto:ericd@kcr.uky.edu)

<http://www.kcr.uky.edu>

## Data Sources

Age-Adjusted Childhood Cancer Incidence Rates in Kentucky, 1995 - 2016. Based on preliminary data released Aug 2016. Cancer-Rates.info. Accessed on Sept 11, 2018. **Kentucky Cancer Registry**. <http://cancer-rates.info/>

United States Cancer Statistics: 1999 - 2014 Incidence, WONDER Online Database. United States Department of Health and Human Services, Centers for Disease Control and Prevention and National Cancer Institute; 2016. Accessed at <http://wonder.cdc.gov/cancer-v2014.html> on Sep 9, 2018 3:18:39 PM

