



# Suicide Deaths in Tennessee

Darry Nevels, MS

Ibitola Asaolu, DrPH MPH

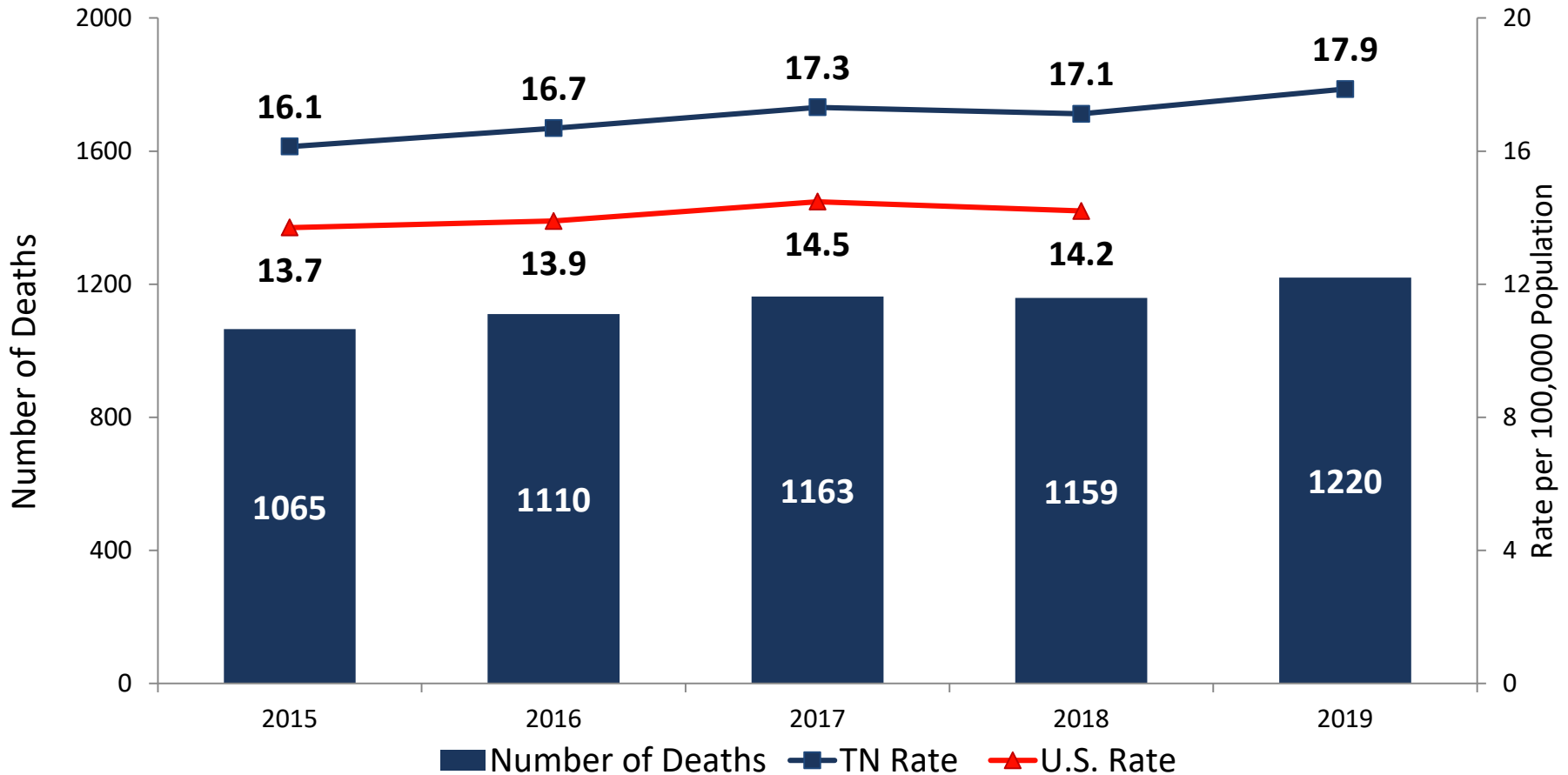
# Overview

- Suicide Deaths
  - Prevalence and Rate
  - Differences by Gender, Age, Race
  - Children & Youth: 10-24 years
  - Older Adults: 65+ years
- YRBS:
  - Depression, Suicidal Ideation, and Self-Harm
- BRFSS
  - Mental Health and Depression



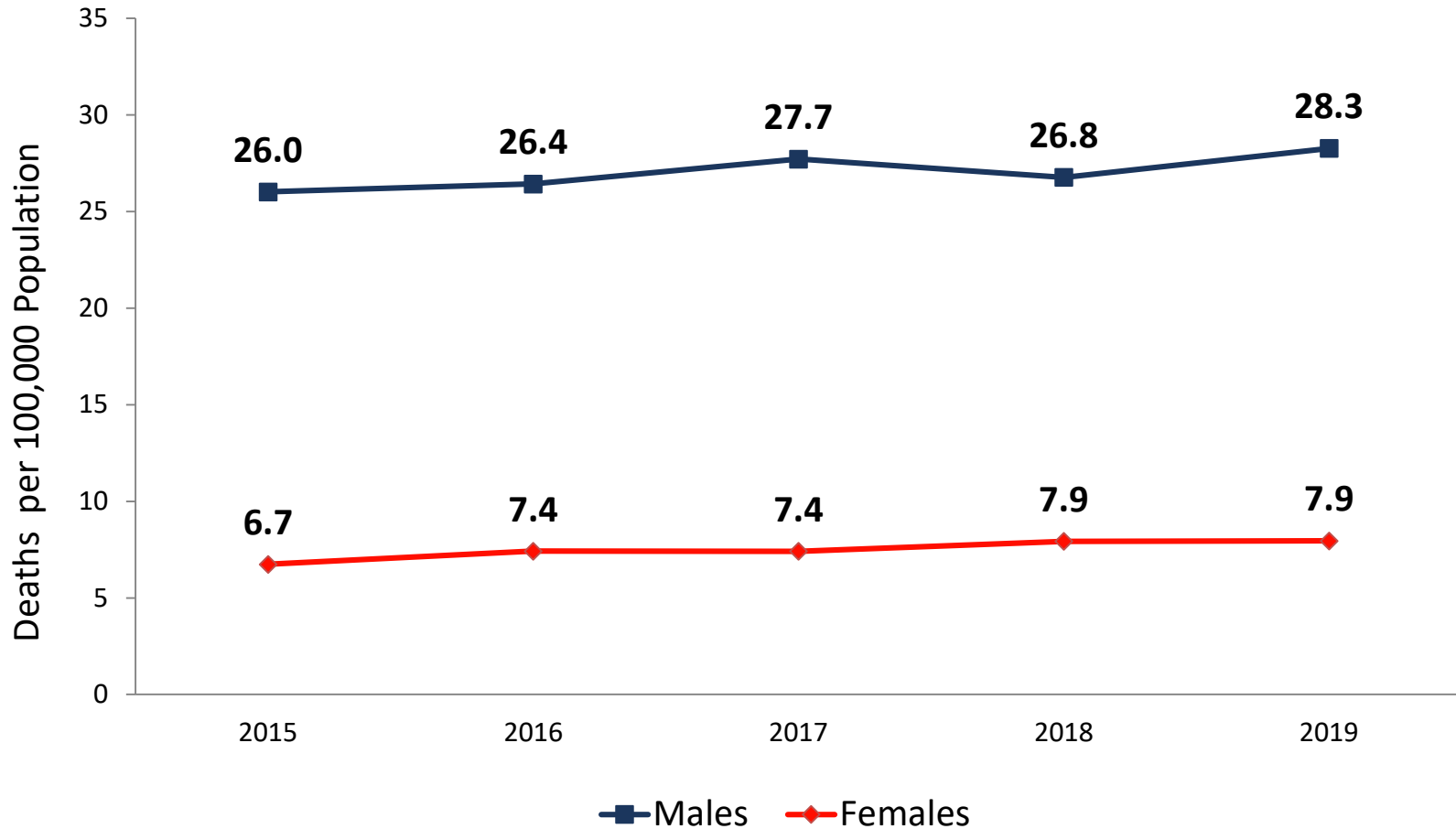
# 2019 Suicide Deaths

# Suicide Deaths in Tennessee: 2015-2019



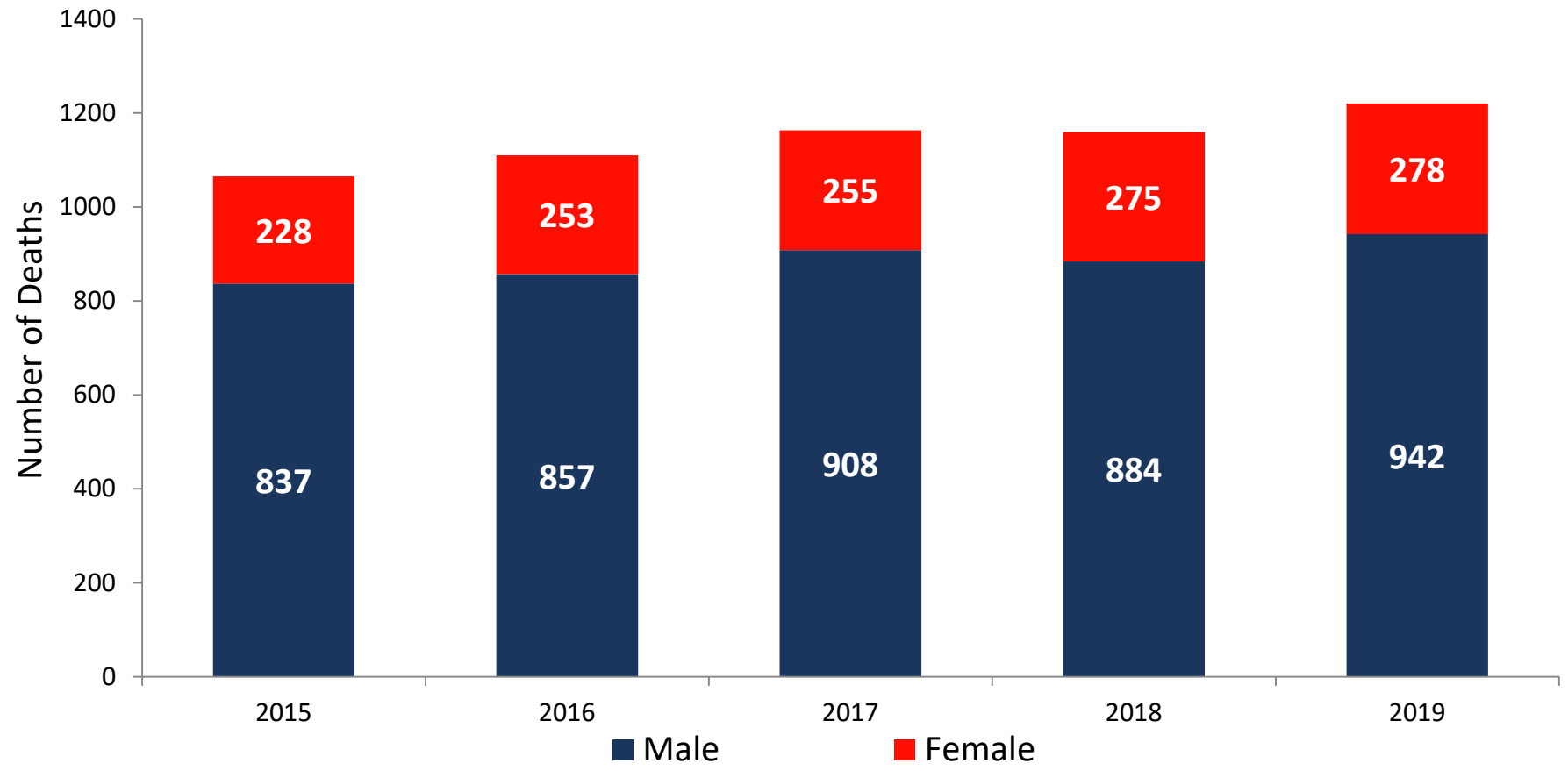
Data sources: Tennessee Department of Health, Division of Vital Records and Statistics, Death Statistical File. Centers for Disease Control and Prevention. Web-based Injury Statistics Query and Reporting System (WISQARS) [Online]. (2015-2018). National Center for Injury Prevention and Control, Centers for Disease Control and Prevention. Available from: URL: <https://www.cdc.gov/injury/wisqars/fatal.html> [12/09/2020].

# Gender Specific Suicide Rate: 2015-2019



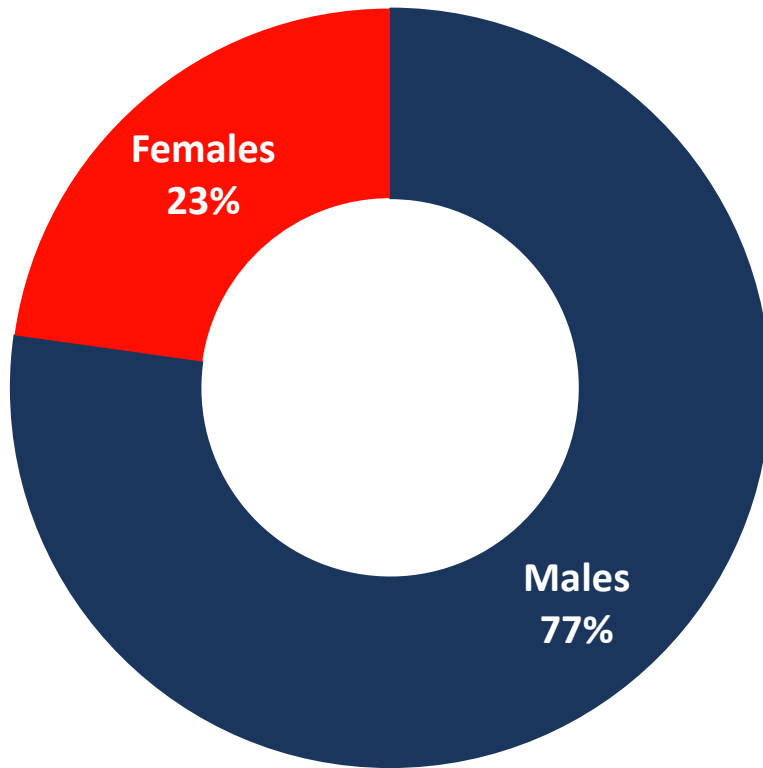
Data source: Tennessee Department of Health, Division of Vital Records and Statistics, Death Statistical File.

# Suicide Deaths by Sex of Decedent: 2015-2019



Data source: Tennessee Department of Health, Division of Vital Records and Statistics, Death Statistical File.

# Proportion of Suicides by Sex: 2019

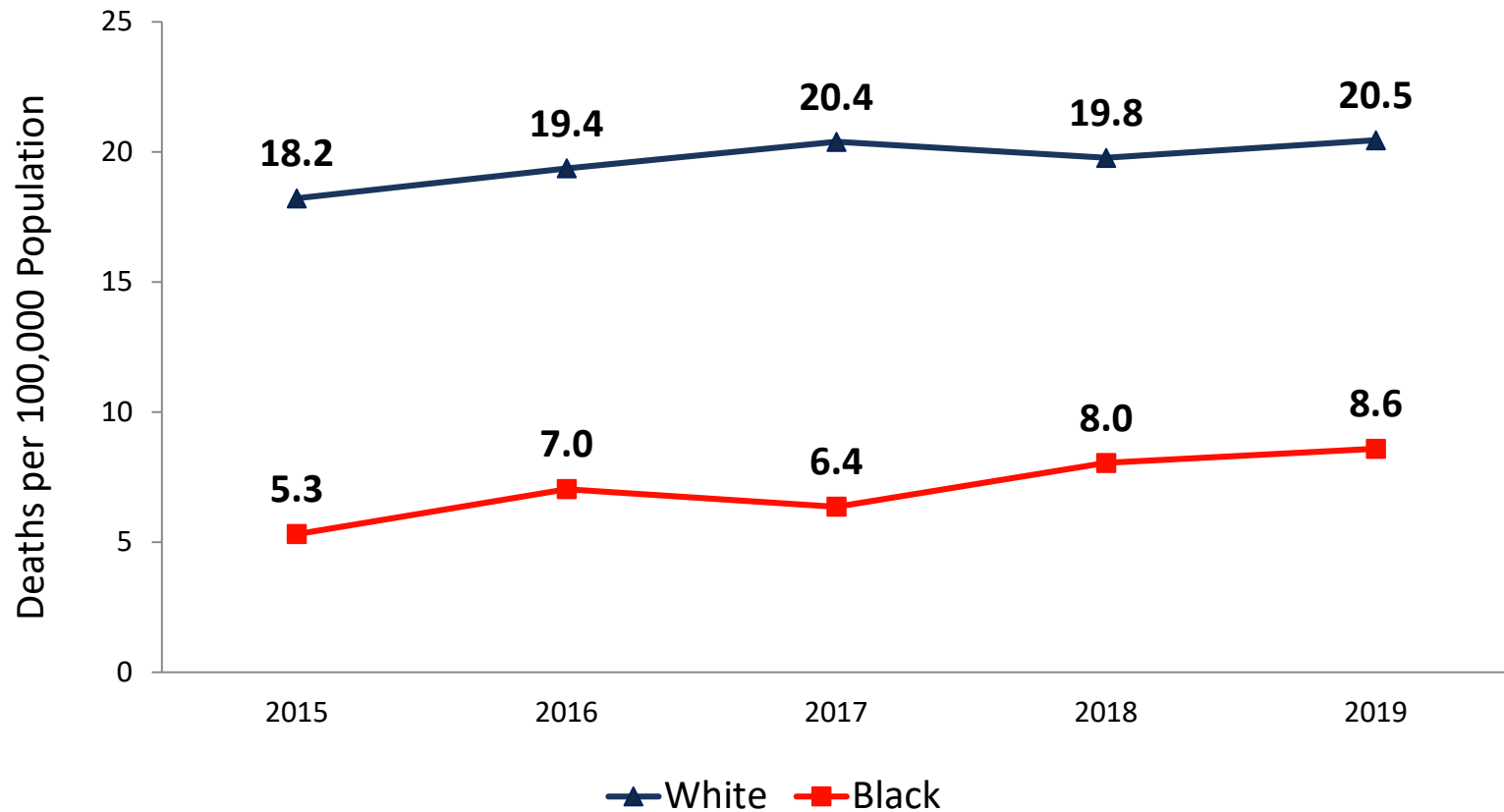


■ Males      ■ Females

In 2019, **1,220**  
Tennesseans died by  
suicide

Data source: Tennessee Department of Health, Division of Vital Records and Statistics, Death Statistical File.

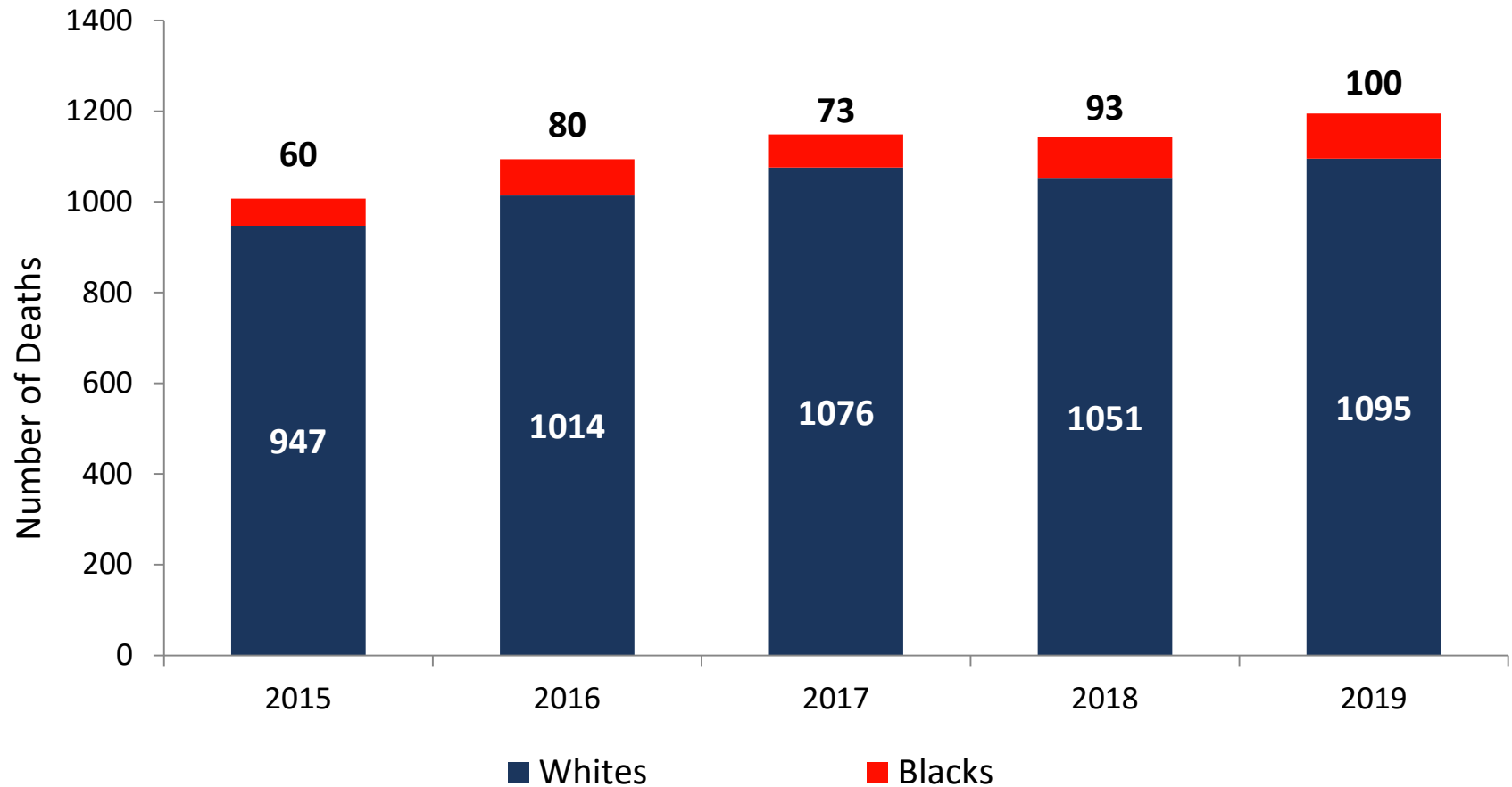
# Race-Specific Suicide Rate: 2015-2019



Data source: Tennessee Department of Health, Division of Vital Records and Statistics, Death Statistical File.

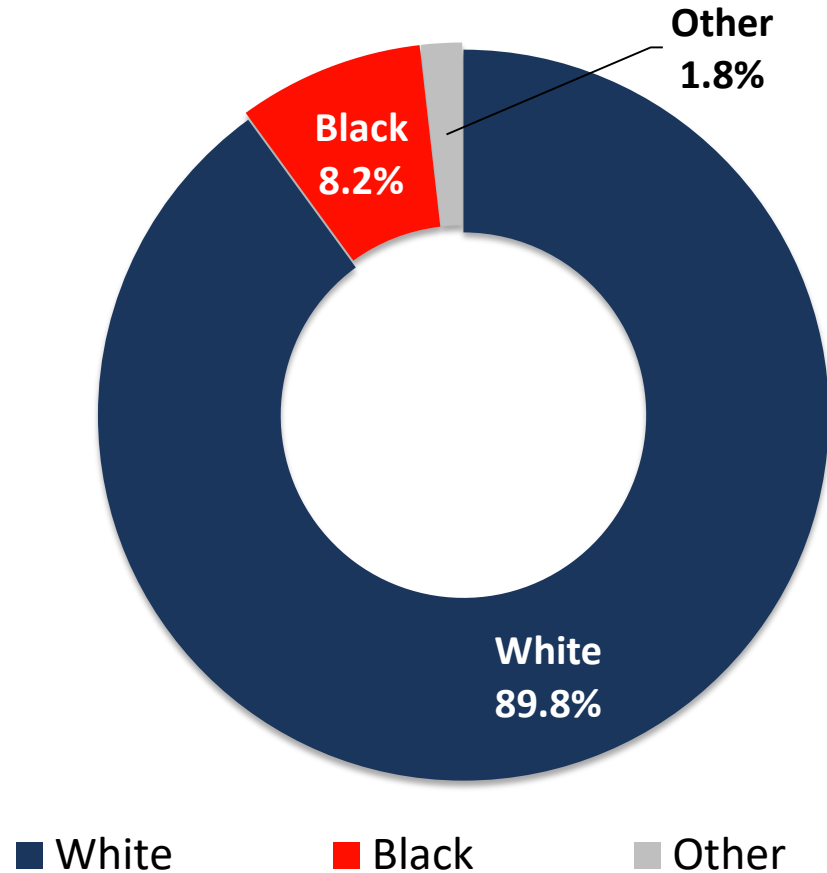


# Suicide Deaths by Race of Decedent: 2015-2019



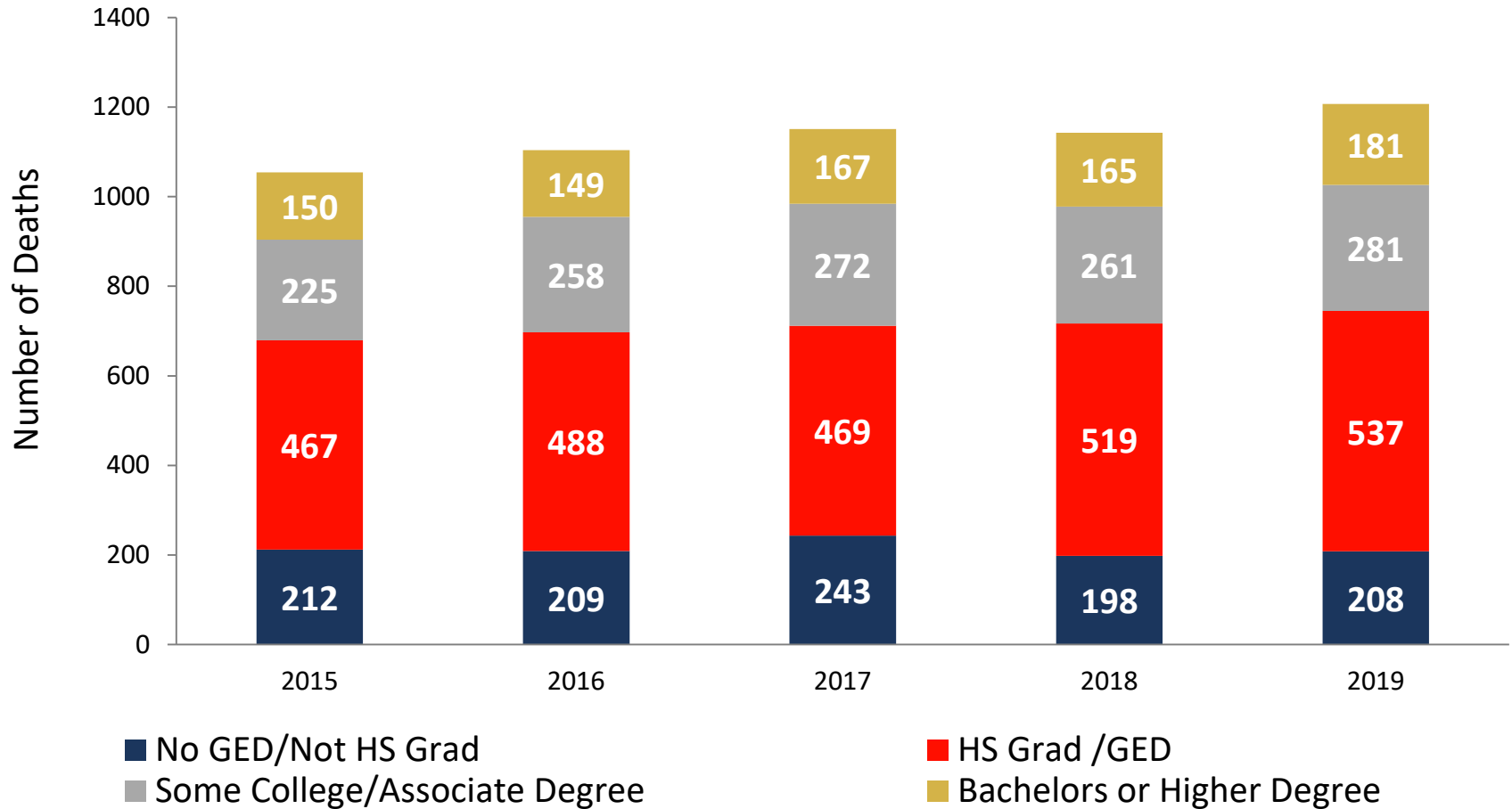
Data source: Tennessee Department of Health, Division of Vital Records and Statistics, Death Statistical File.

# Proportion of Suicides by Race: 2019



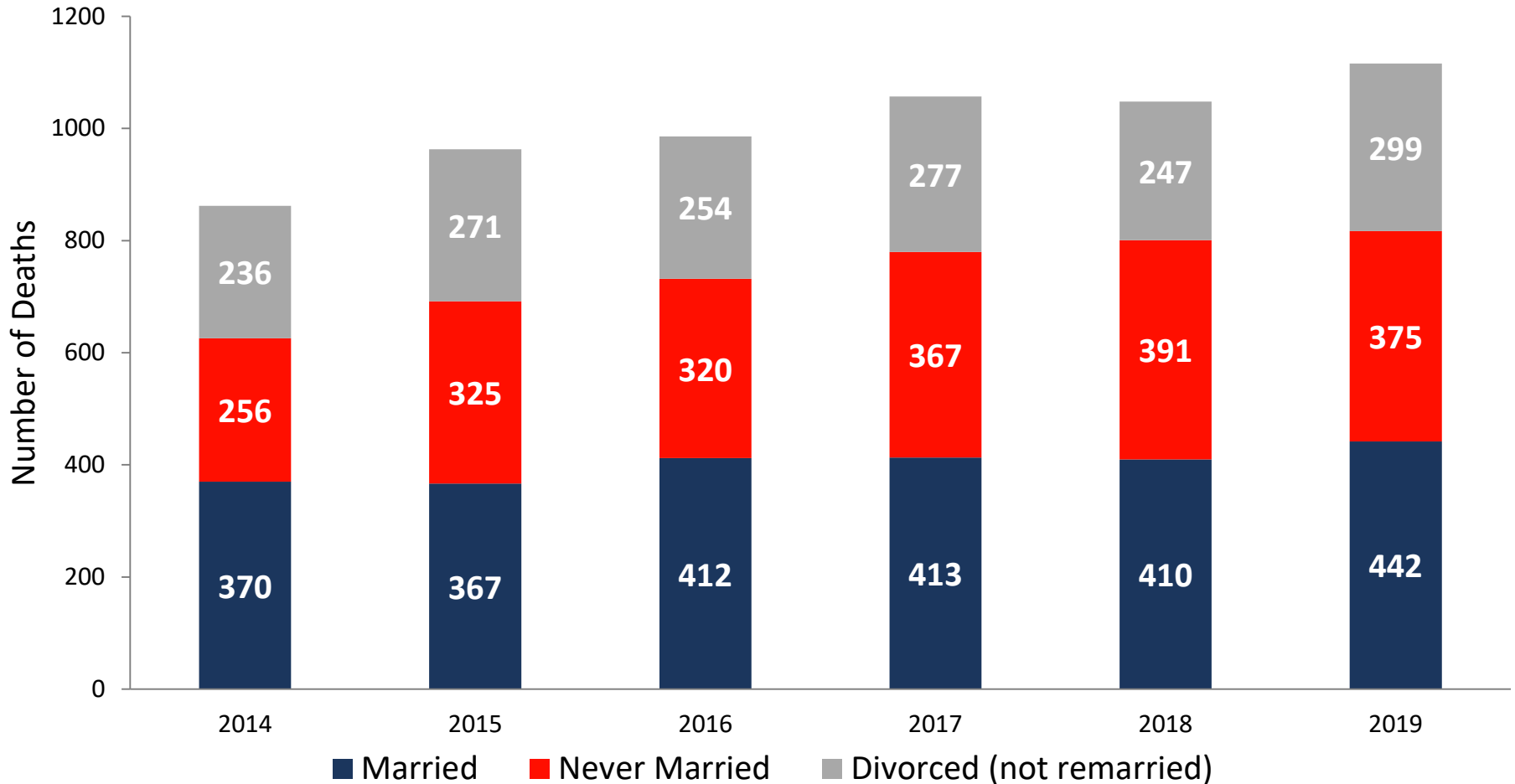
Data source: Tennessee Department of Health, Division of Vital Records and Statistics, Death Statistical File.

# Suicide Deaths by Educational Status: 2015-2019



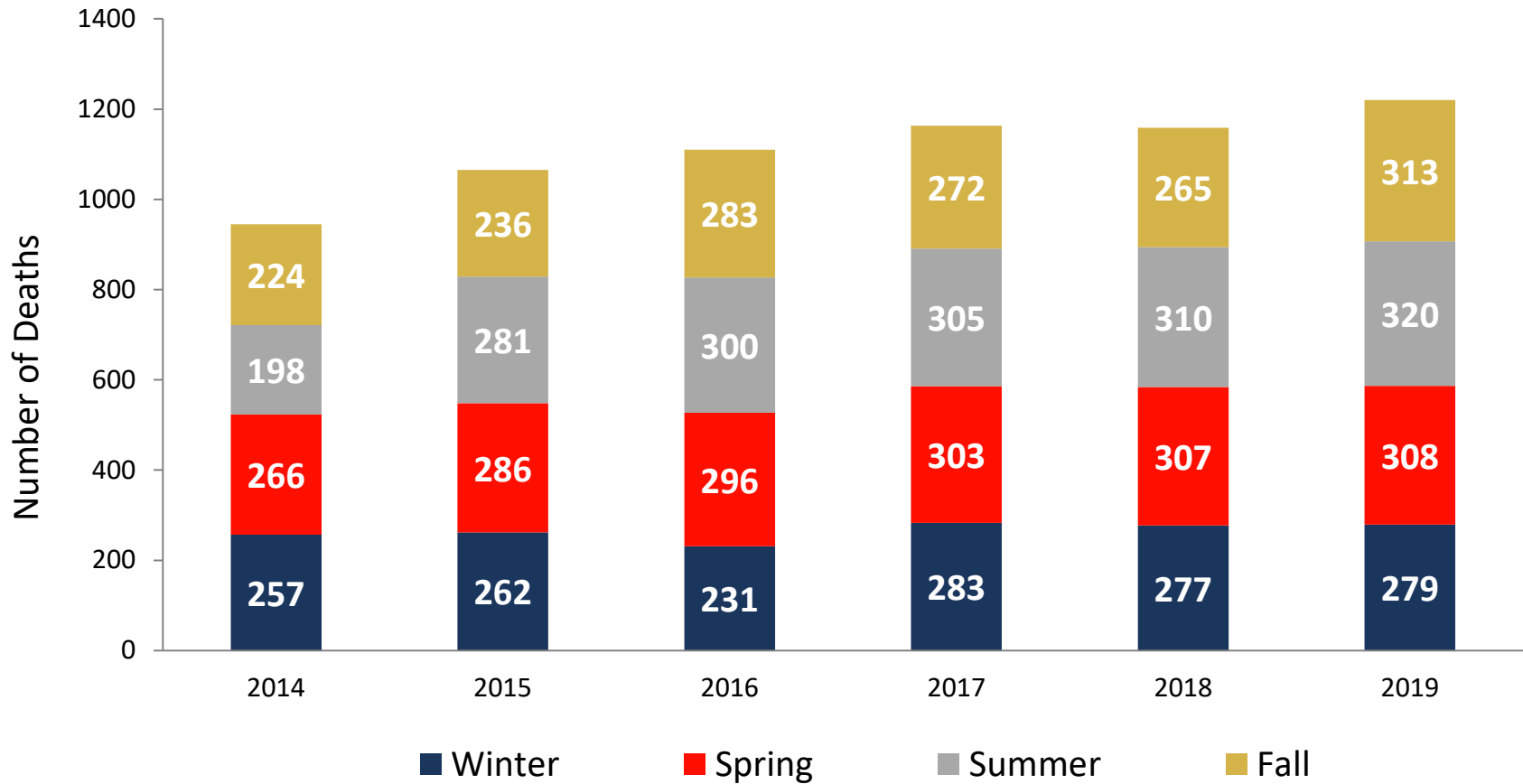
Data source: Tennessee Department of Health, Division of Vital Records and Statistics, Death Statistical File.

# Suicide Deaths by Marital Status: 2015-2019



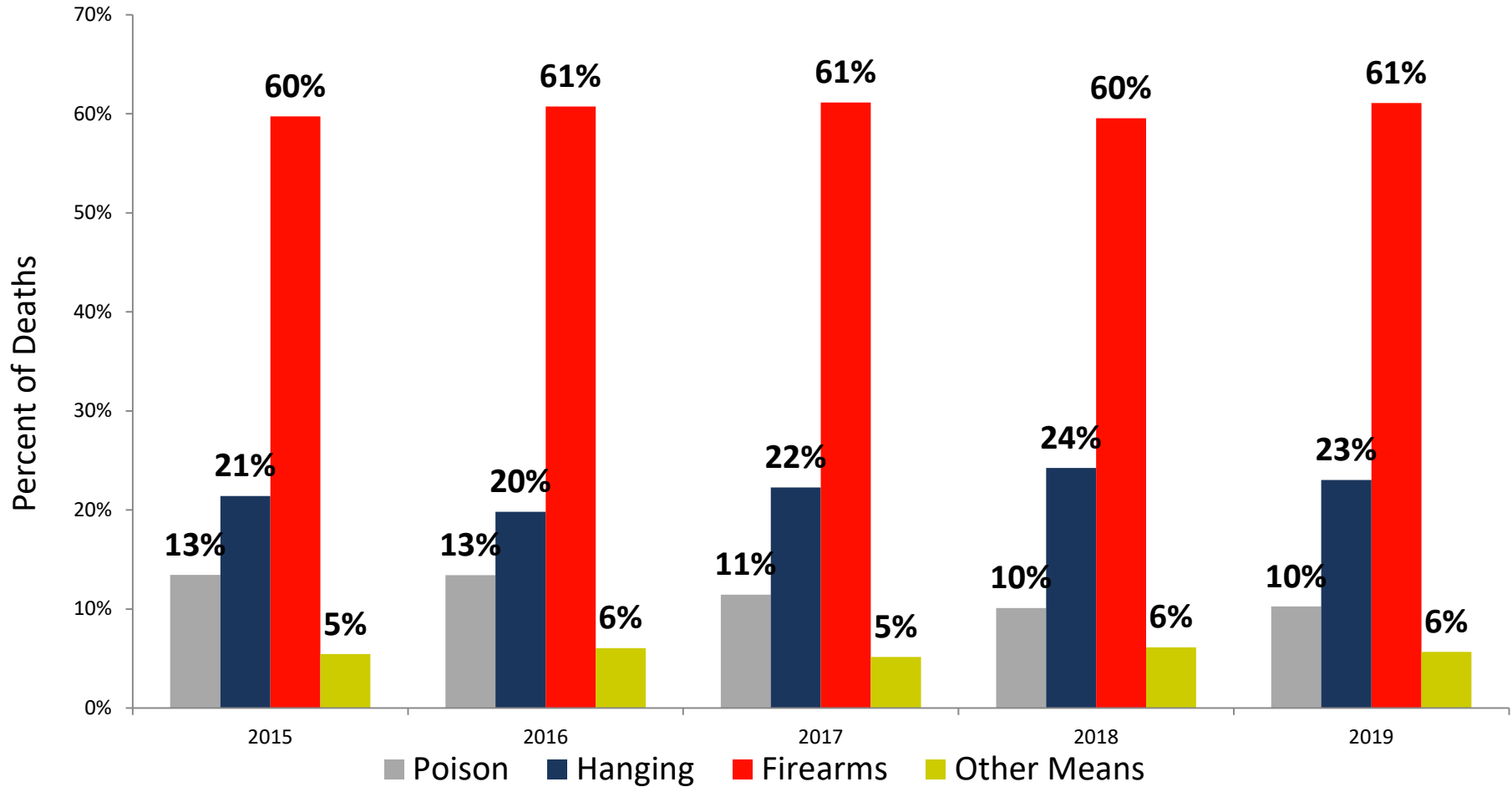
Data source: Tennessee Department of Health, Division of Vital Records and Statistics, Death Statistical File.

# Suicide Deaths by Seasonality: 2015-2019



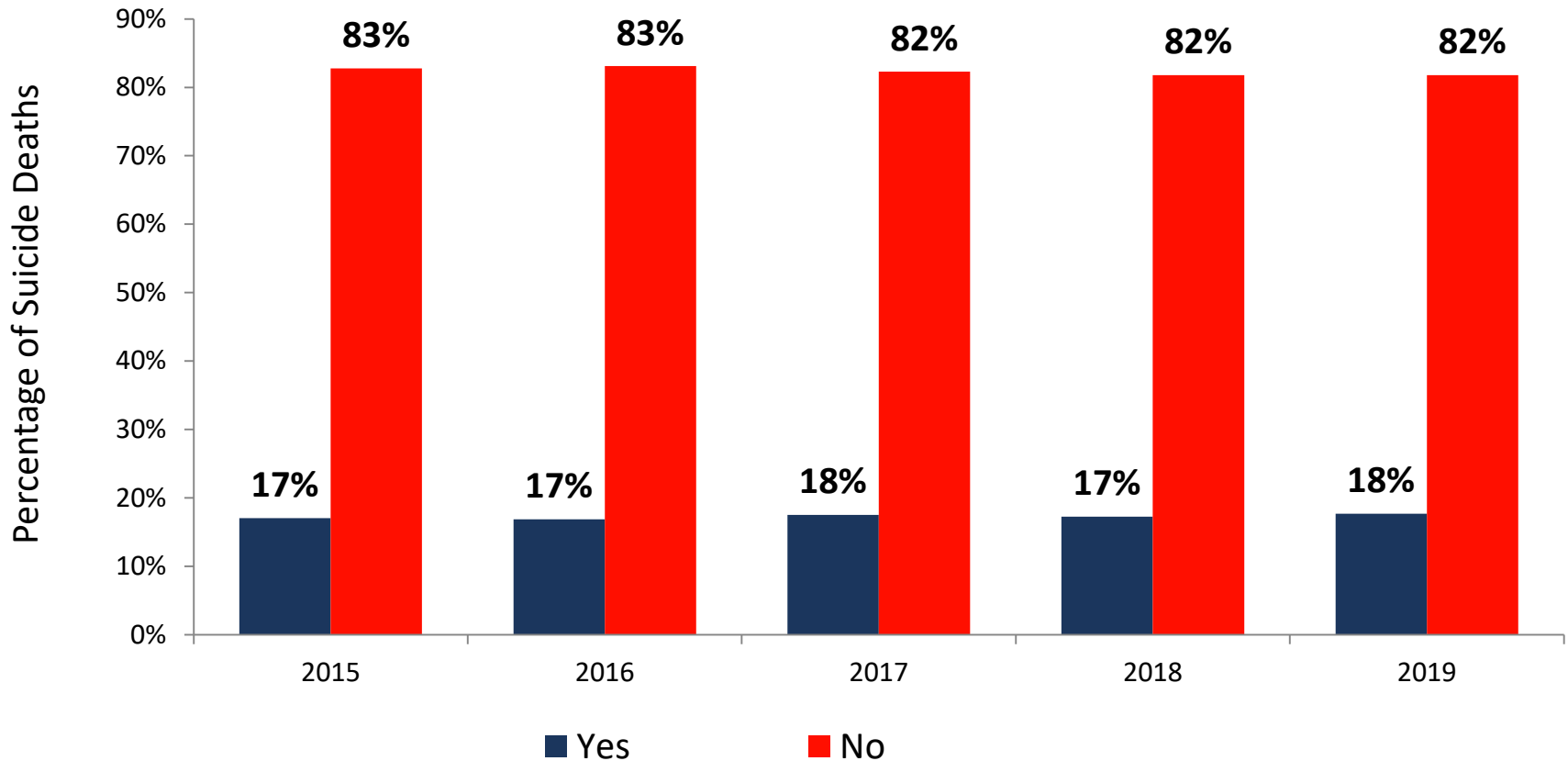
Data source: Tennessee Department of Health, Division of Vital Records and Statistics, Death Statistical File.

# Method of Suicide: 2015-2019



Data source: Tennessee Department of Health, Division of Vital Records and Statistics, Death Statistical File.

# Affiliation with US Armed Forces: 2015-2019



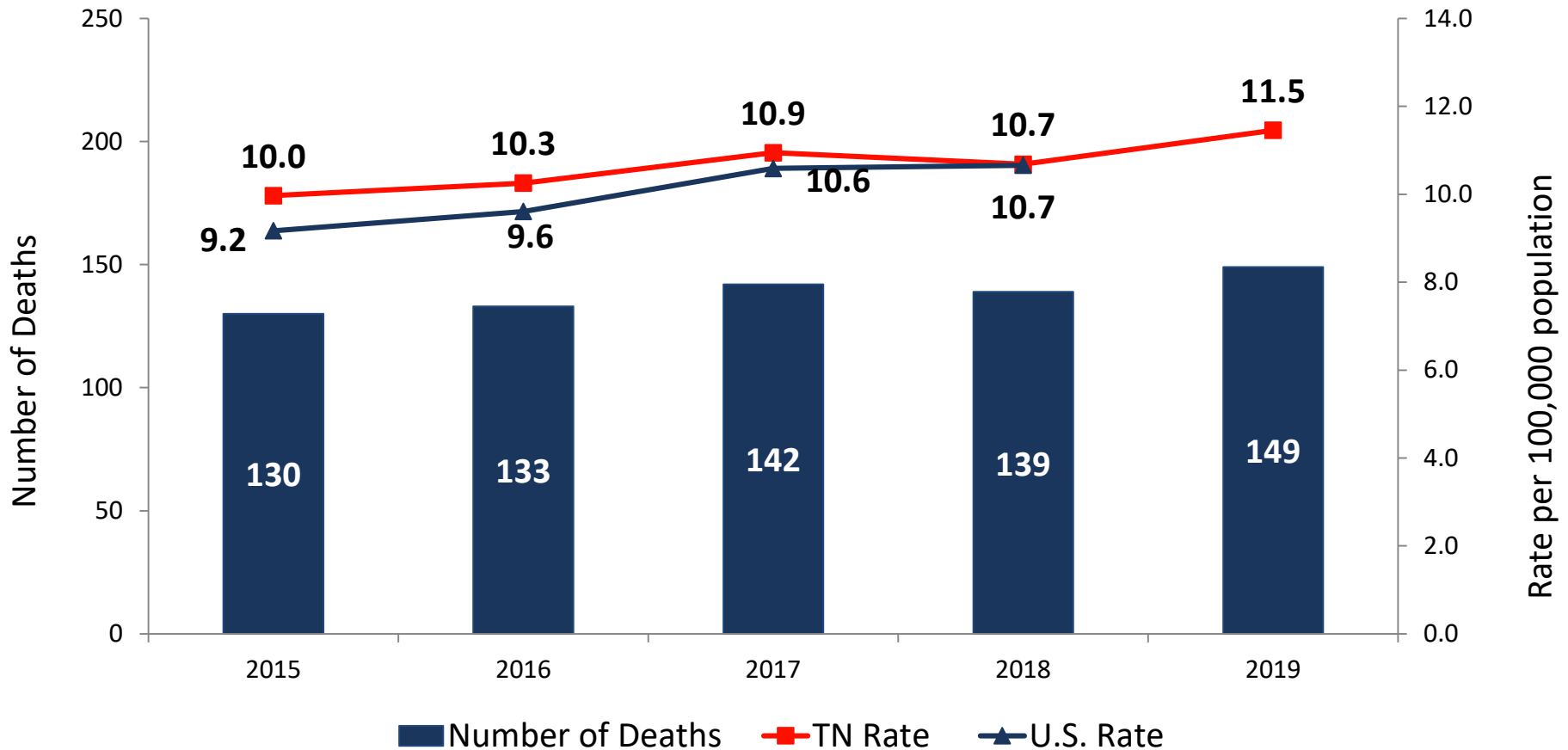
Data source: Tennessee Department of Health, Division of Vital Records and Statistics, Death Statistical File.



**Suicide Deaths: Children &  
Youth(10-24)**

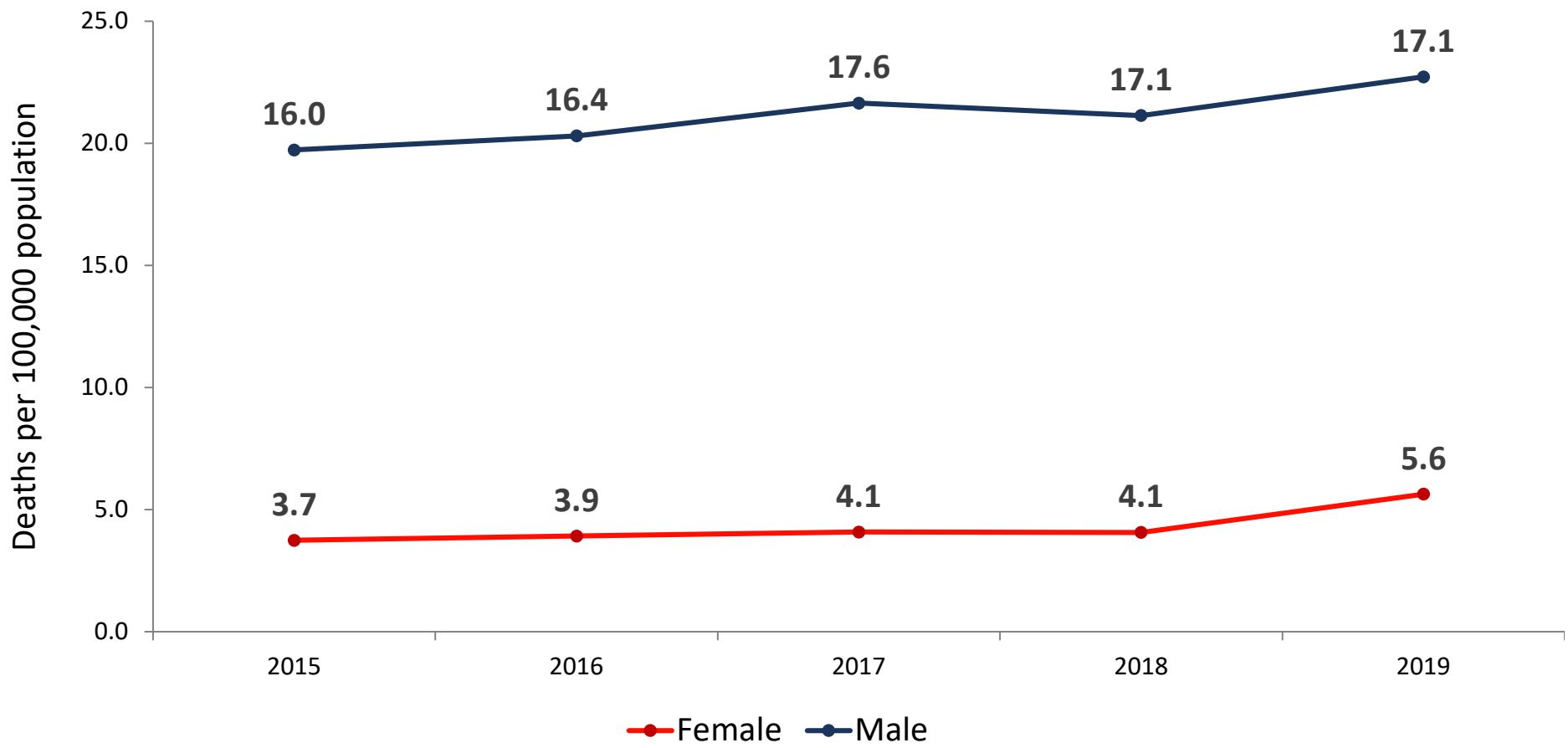


# Suicide in Children & Youth (10-24): 2015-2019



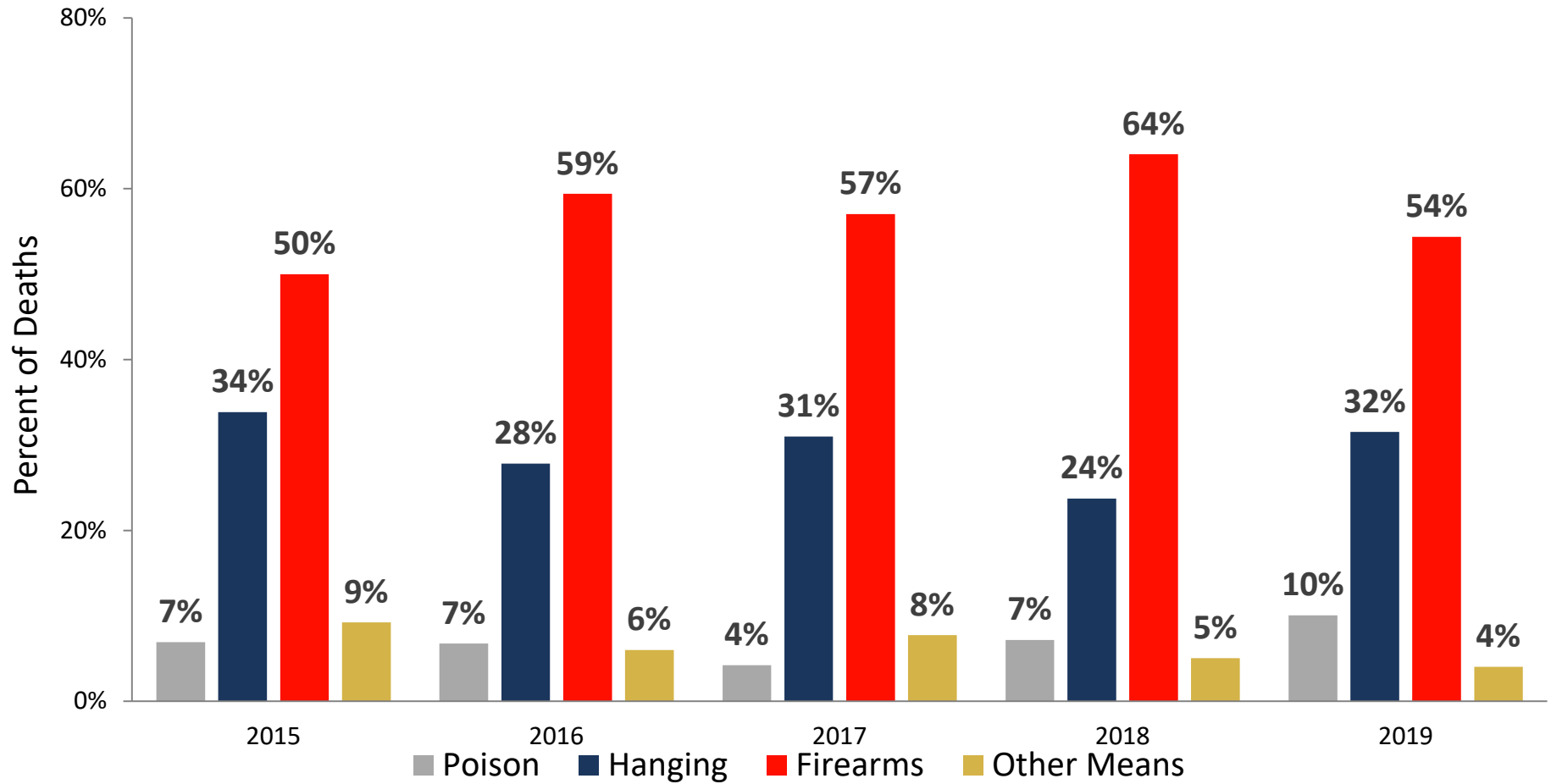
Data sources: Tennessee Department of Health, Division of Vital Records and Statistics, Death Statistical File.  
Centers for Disease Control and Prevention. Web-based Injury Statistics Query and Reporting System (WISQARS) [Online]. (2015-2018). National Center for Injury Prevention and Control, Centers for Disease Control and Prevention. Available from: URL: <https://www.cdc.gov/injury/wisqars/fatal.html> [12/09/2020].

# Gender Specific Suicide Rate(aged 10-24): 2015-2019



Data source: Tennessee Department of Health, Division of Vital Records and Statistics, Death Statistical File.

# Method of Suicide for Children & Youth(10-24): 2015-2019

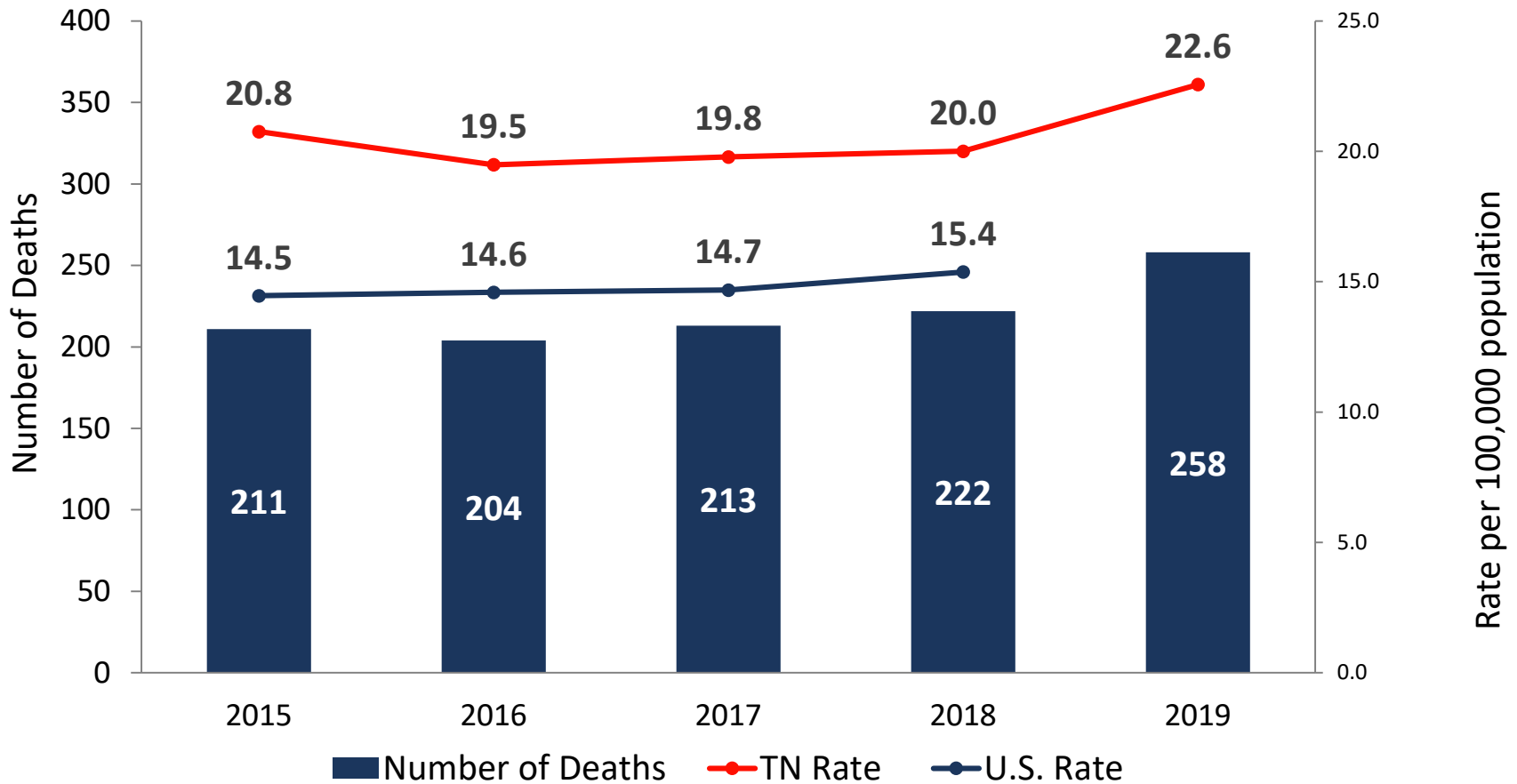


Data source: Tennessee Department of Health, Division of Vital Records and Statistics, Death Statistical File.



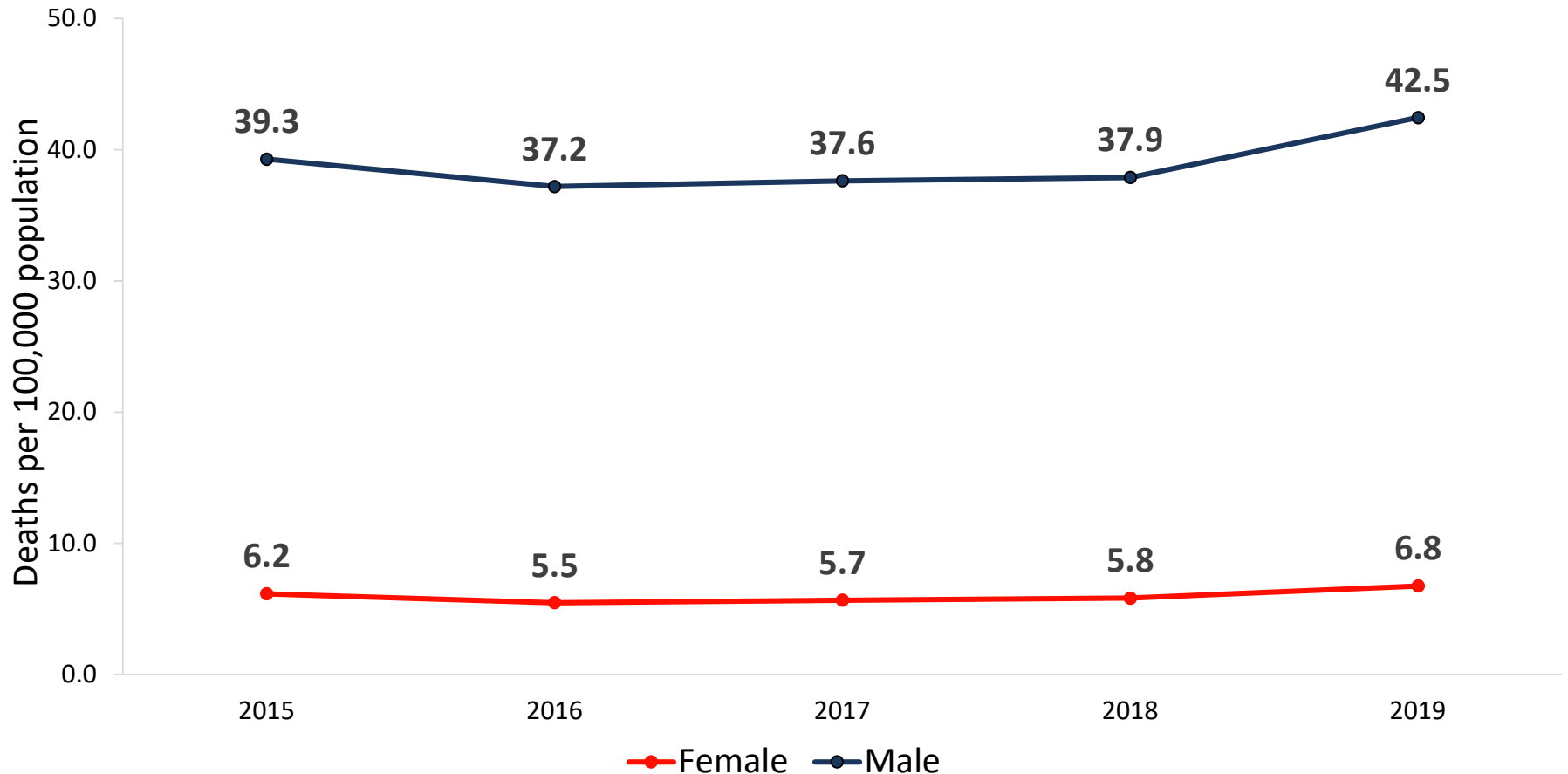
# Suicide Deaths: Older Adults: (65+)

# Suicide in Older Adults(65+): 2015-2019



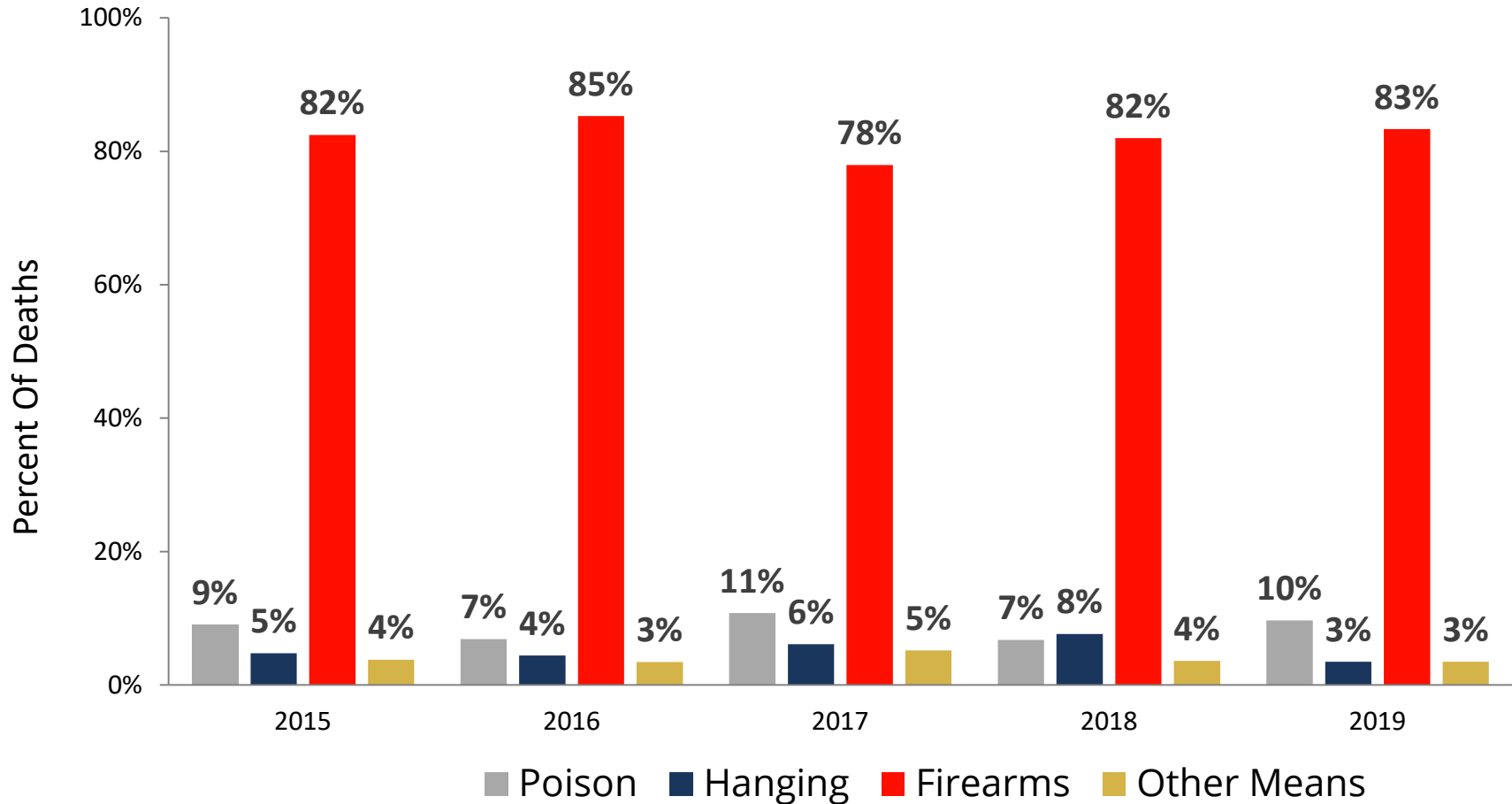
Data sources: Tennessee Department of Health, Division of Vital Records and Statistics, Death Statistical File. Centers for Disease Control and Prevention. Web-based Injury Statistics Query and Reporting System (WISQARS) [Online]. (2015-2018). National Center for Injury Prevention and Control, Centers for Disease Control and Prevention. Available from: URL: <https://www.cdc.gov/injury/wisqars/fatal.html> [12/09/2020].

# Gender Specific Suicide Rate (65+): 2015-2019



Data source: Tennessee Department of Health, Division of Vital Records and Statistics, Death Statistical File.

# Method of Suicide in TN Residents: 65+ Years



Data source: Tennessee Department of Health, Division of Vital Records and Statistics, Death Statistical File.

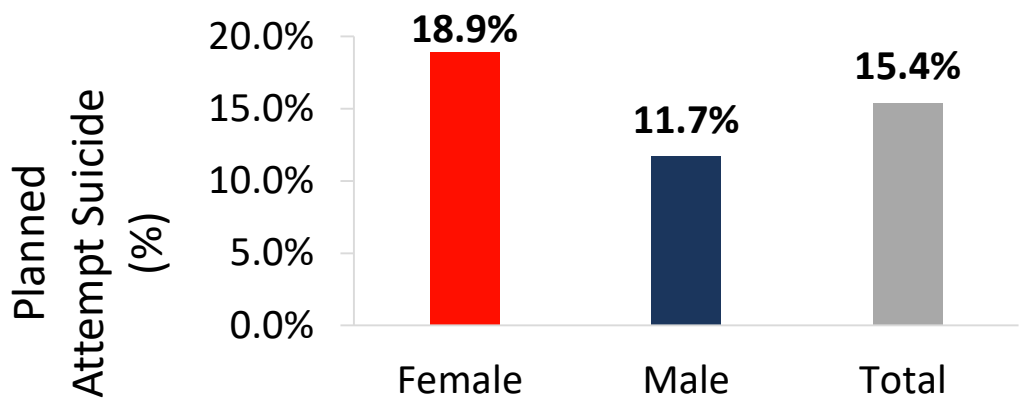
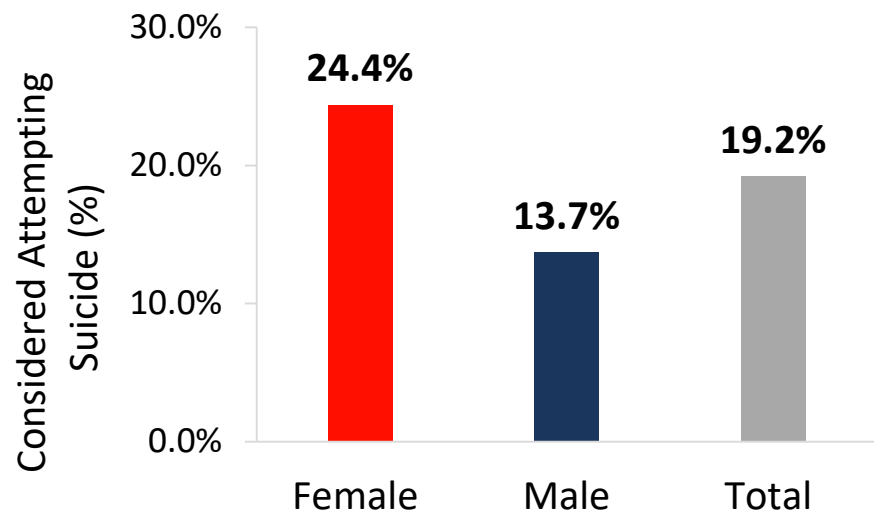
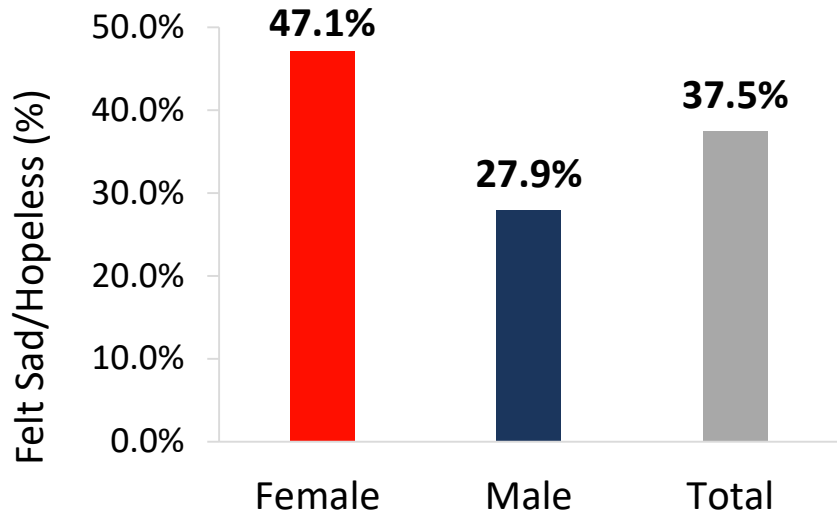


# Youth Risk Behavioral Surveillance (YRBS) Data: 2019



# YRBS Data: Student Emotions & Suicide: 2019

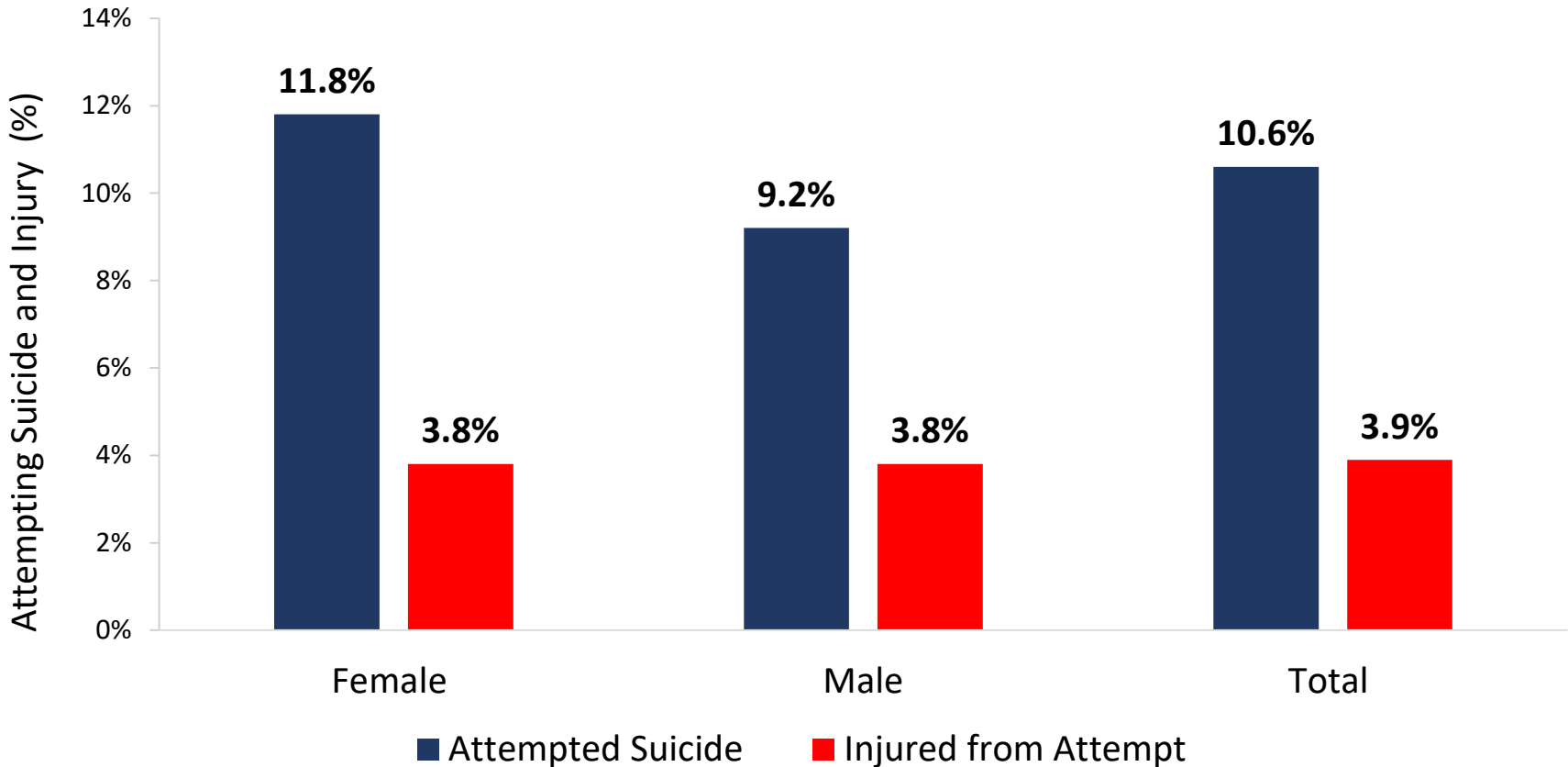
## Student Emotions and Suicide in the Last 12 Months



Centers for Disease Control and Prevention. [2019] Youth Risk Behavior Survey Questionnaire. Available at: [www.cdc.gov/yrbs](http://www.cdc.gov/yrbs). Accessed on 12.07.2020.

# YRBS Data by Sex: 2019

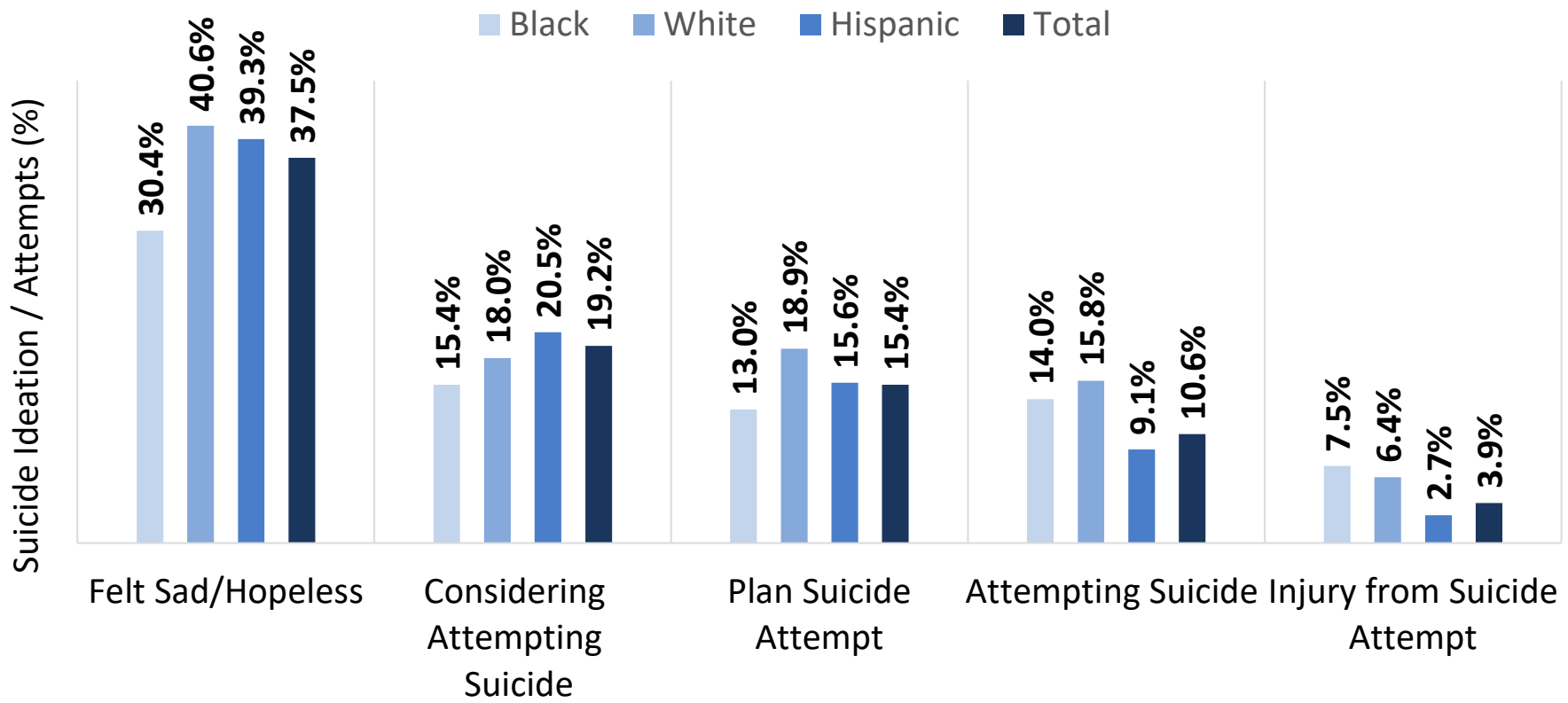
## Student Emotions and Suicide in the Last 12 Months



Centers for Disease Control and Prevention. [2019] Youth Risk Behavior Survey Questionnaire. Available at: [www.cdc.gov/yrbs](http://www.cdc.gov/yrbs). Accessed on 12.07.2020.

# YRBS Data by Race: 2019

## Race of Students Affected by Suicide Ideation and Attempts in the Last 12 Months (%)



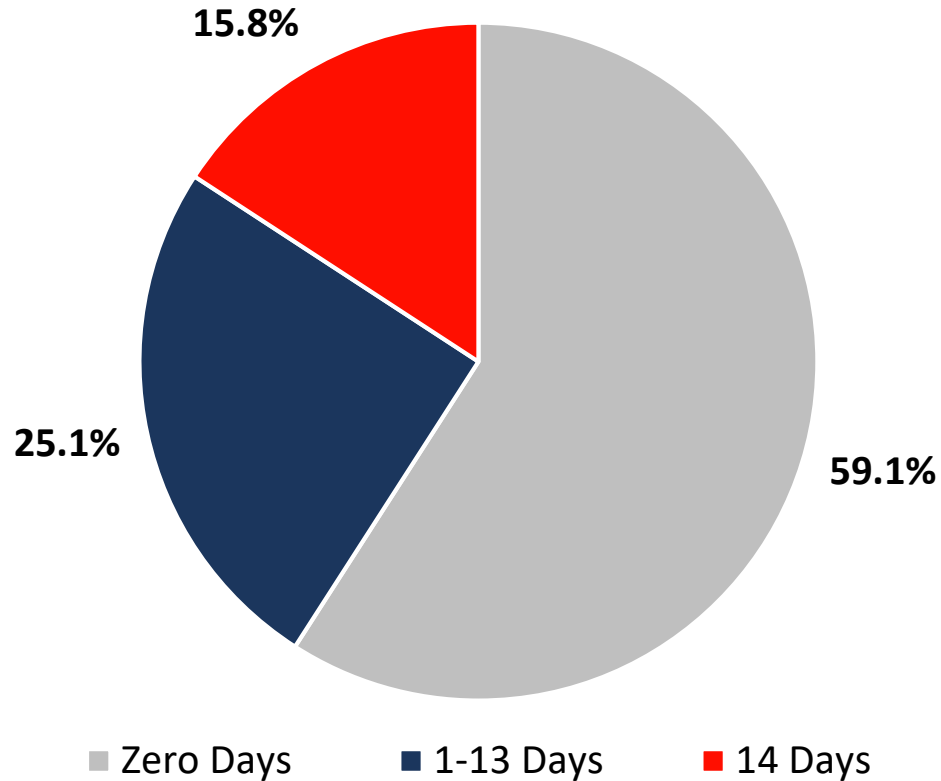
Centers for Disease Control and Prevention. [2019] Youth Risk Behavior Survey Questionnaire. Available at: [www.cdc.gov/yrbs](http://www.cdc.gov/yrbs). Accessed on 12.07.2020.



**Behavioral Risk Factor  
Surveillance (BRFSS) Data :  
2019**

# BRFSS Data: Mental Health: 2019

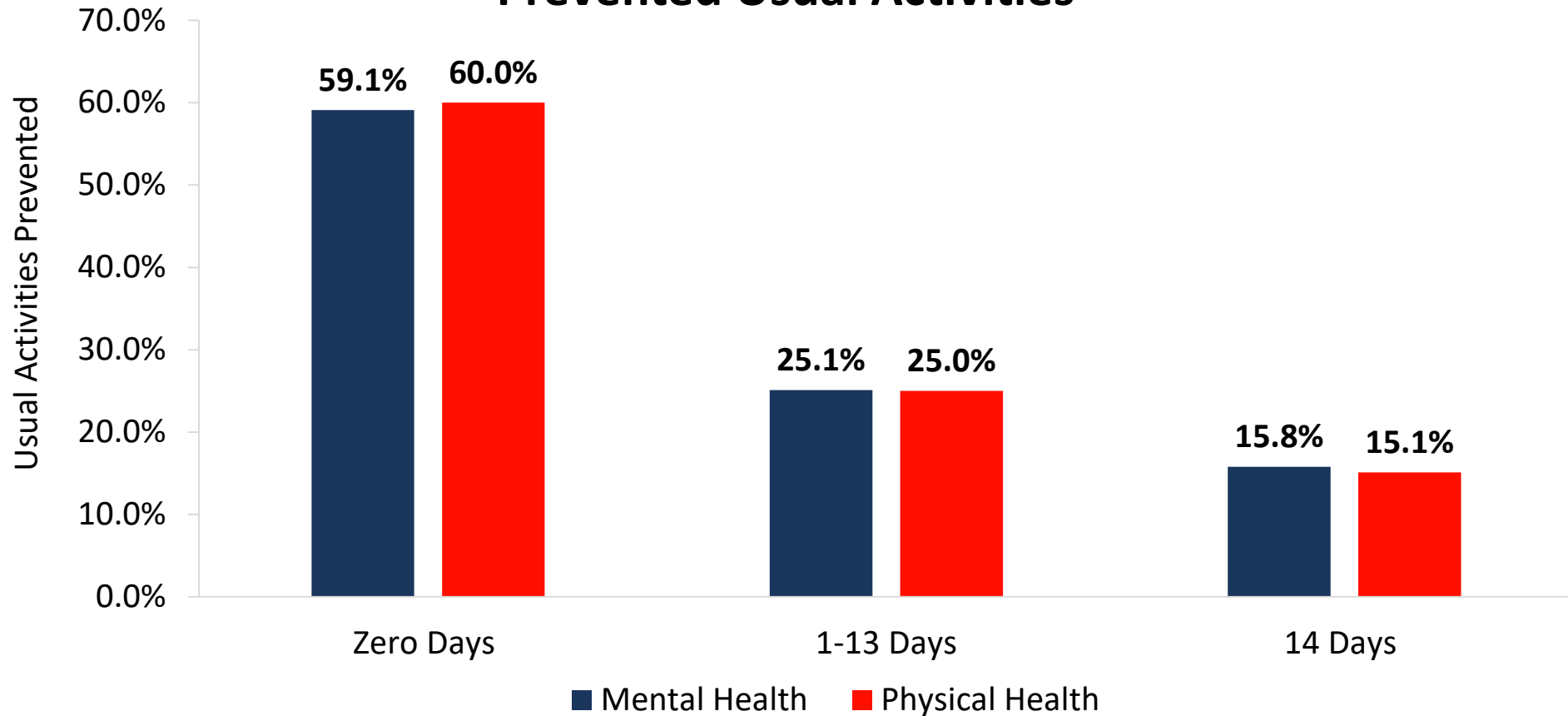
# of days during the past 30 days was your mental health not good?



Centers for Disease Control and Prevention. Behavioral Risk Factor Surveillance System Survey Data. Available from <https://www.cdc.gov/brfss/brfssprevalence/index.html> . Accessed on 12.07.2020.

# BRFSS Data: Mental Health and Activities of Daily Living: 2019

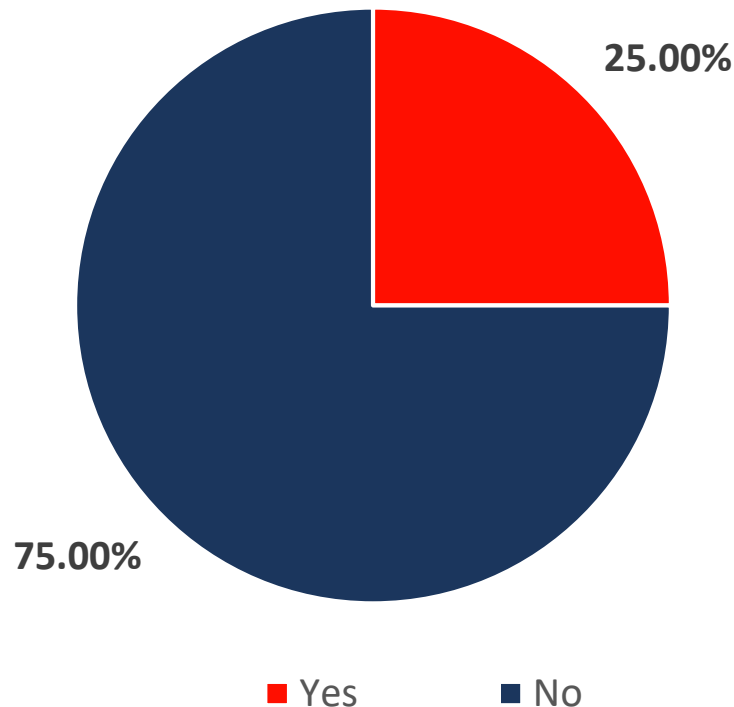
## # of Days During the Past 30 Days: Poor Physical or Mental Health Prevented Usual Activities



Centers for Disease Control and Prevention. Behavioral Risk Factor Surveillance System Survey Data. Available from <https://www.cdc.gov/brfss/brfssprevalence/index.html>. Accessed on 12.07.2020.

# BRFSS Data: Depression: 2019

**Told that they have a depressive disorder (including depression, major depression, dysthymia, or minor depression)?**



Centers for Disease Control and Prevention. Behavioral Risk Factor Surveillance System Survey Data. Available from <https://www.cdc.gov/brfss/brfssprevalence/index.html> . Accessed on 12.07.2020.



Questions?