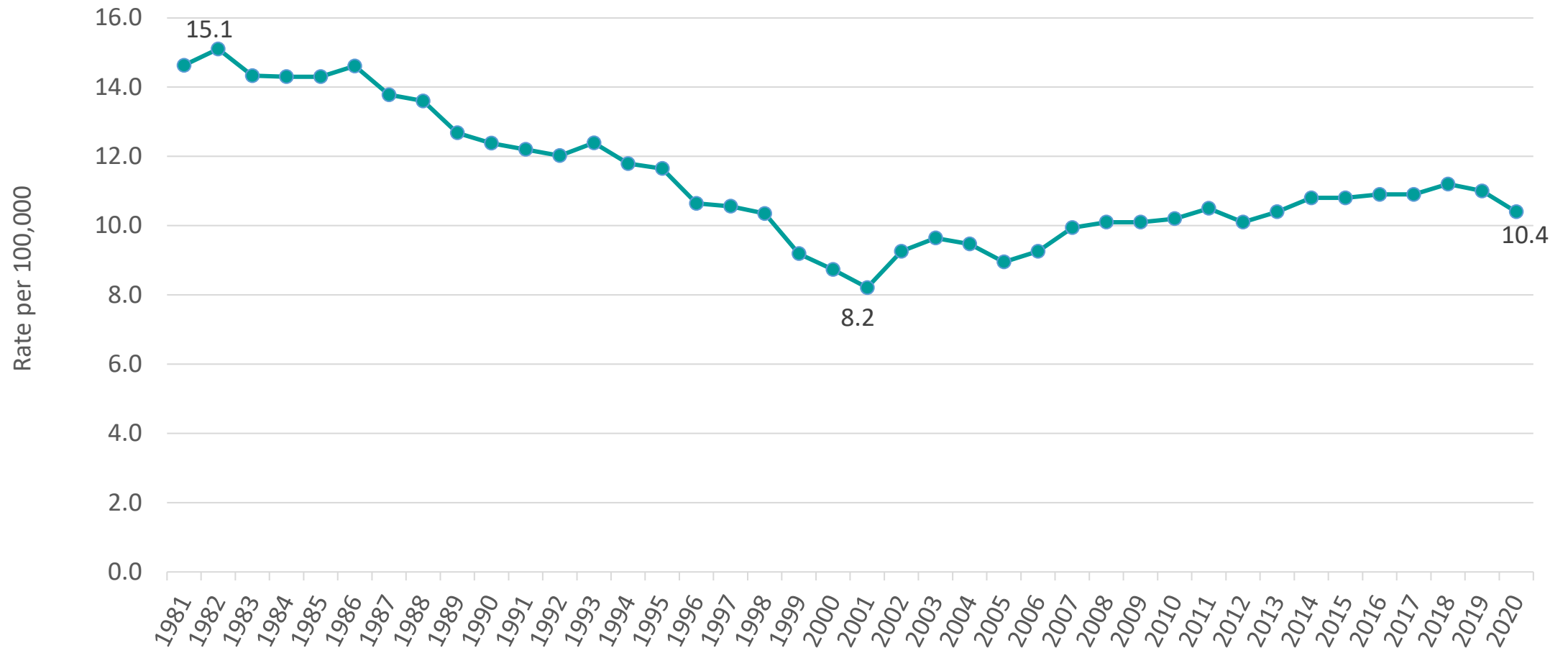


Suicide and Self-Harm Emergency Department (ED) Visit Trends in California

Suicide Prevention Program
Injury and Violence Prevention Branch
California Department of Public Health

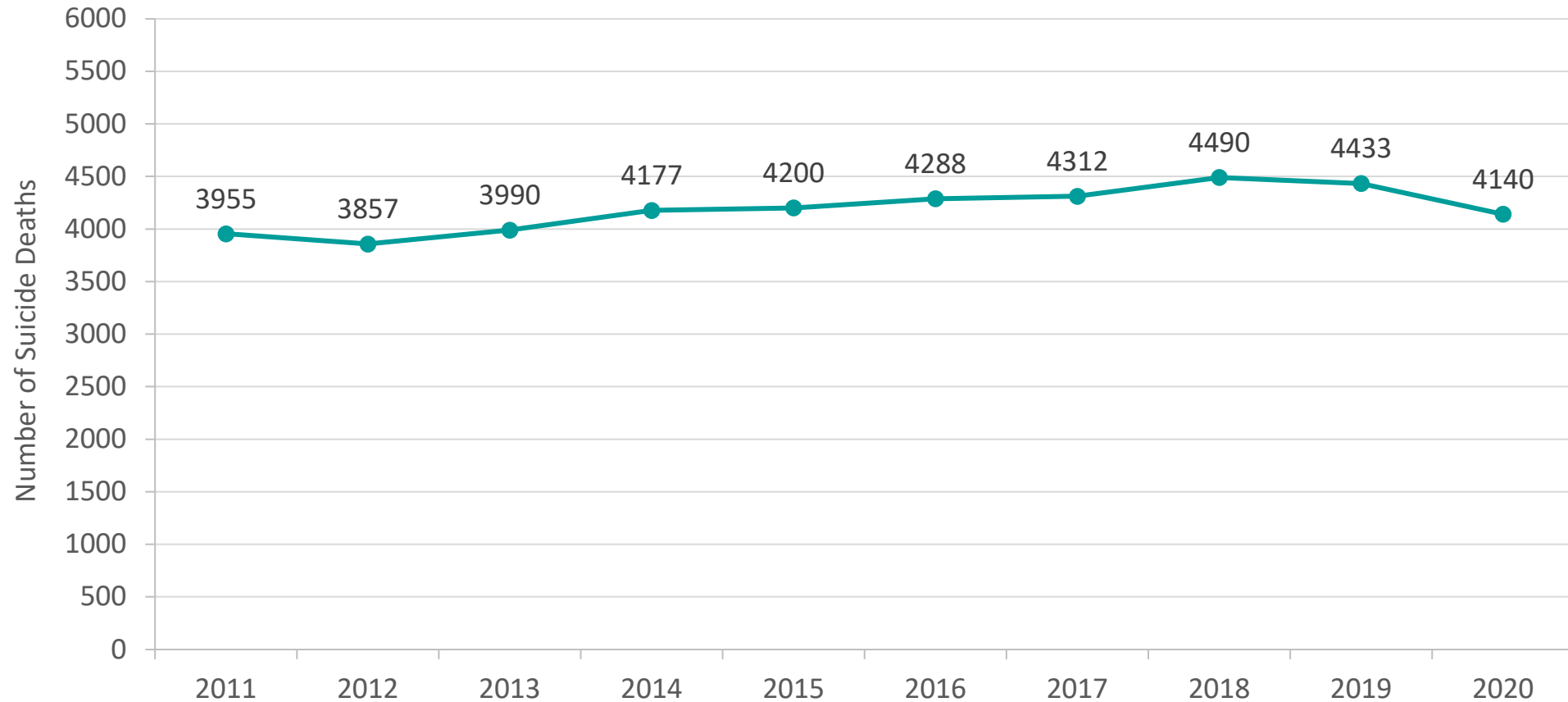
Suicide Rates in California, 1981-2020



Source: 1981-2007, WISQARS; 2008-2019, CDPH, EpiCenter Injury Database; 2020, CDPH, CA Comprehensive Master Death File (CCMDF)

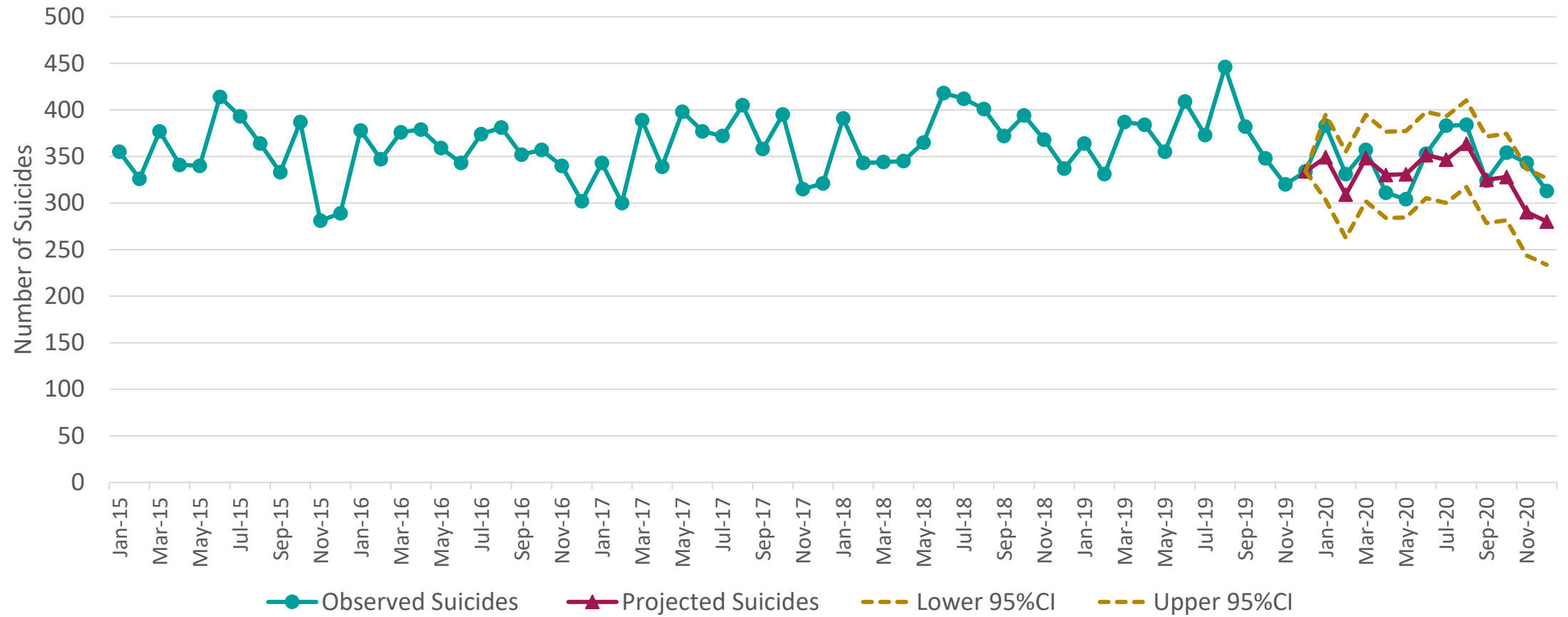


Number of Suicide Deaths in California, 2011-2020



Source: 2011-2013 deaths: CDPH, Death Statistical Master File (DSMF); 2014-2020 deaths: CDPH, CA Comprehensive Master Death File (CCMDF)

Monthly Observed and Projected Suicide Deaths in California, 2015 - 2020

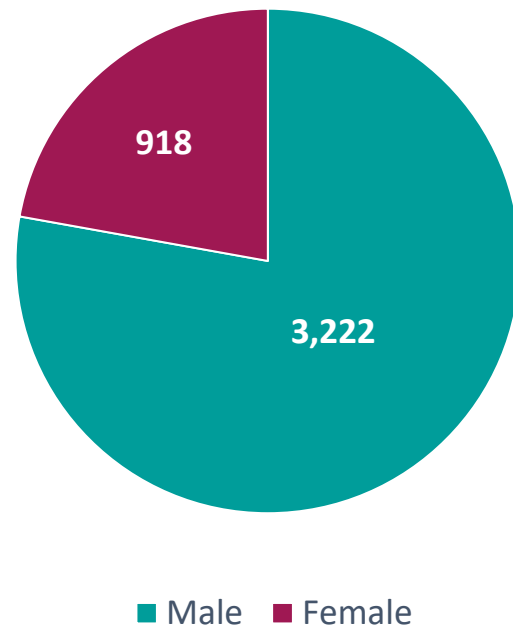


Source: 2011-2013 deaths: CDPH, Death Statistical Master File (DSMF); 2014-2020 deaths: CDPH, CA Comprehensive Master Death File (CCMDF)

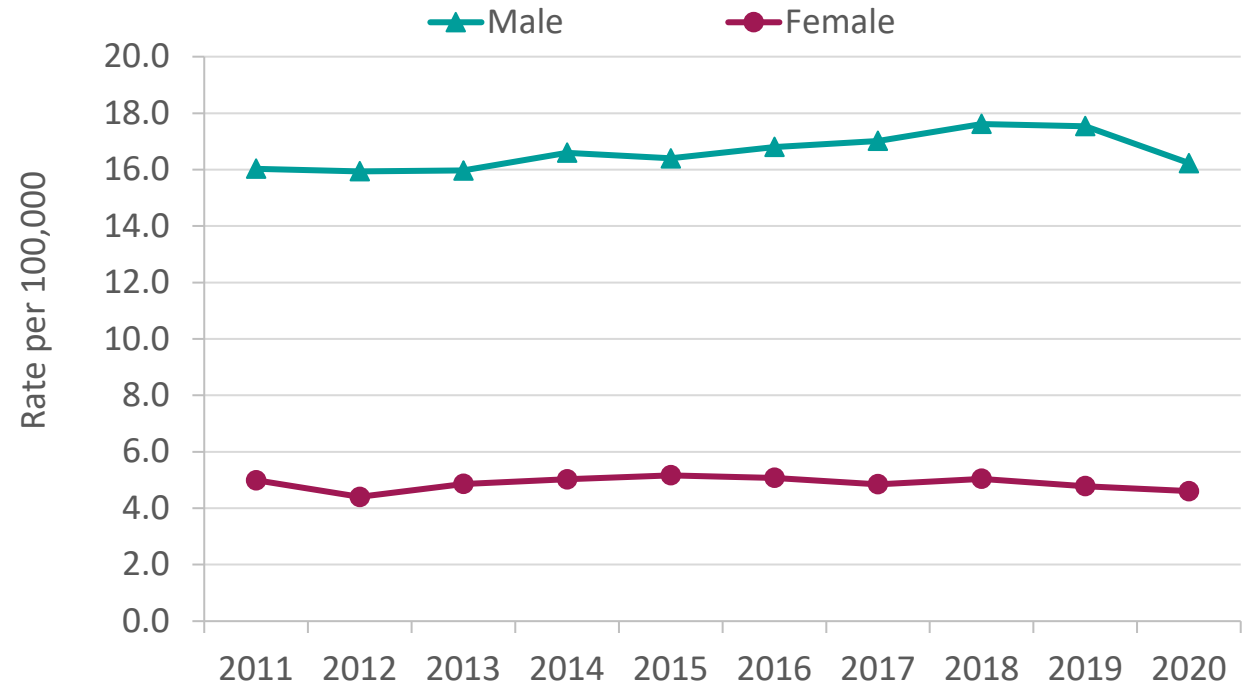


Suicide Counts (Burden) and Rates (Risk) by Gender in California

Suicide Counts (Burden) by Gender, 2020



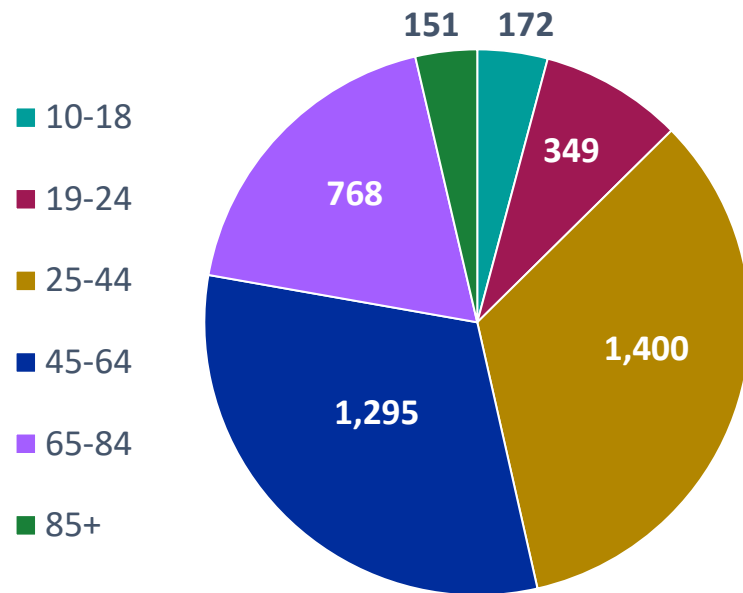
Suicide Rates (Risk) by Gender, 2011-2020



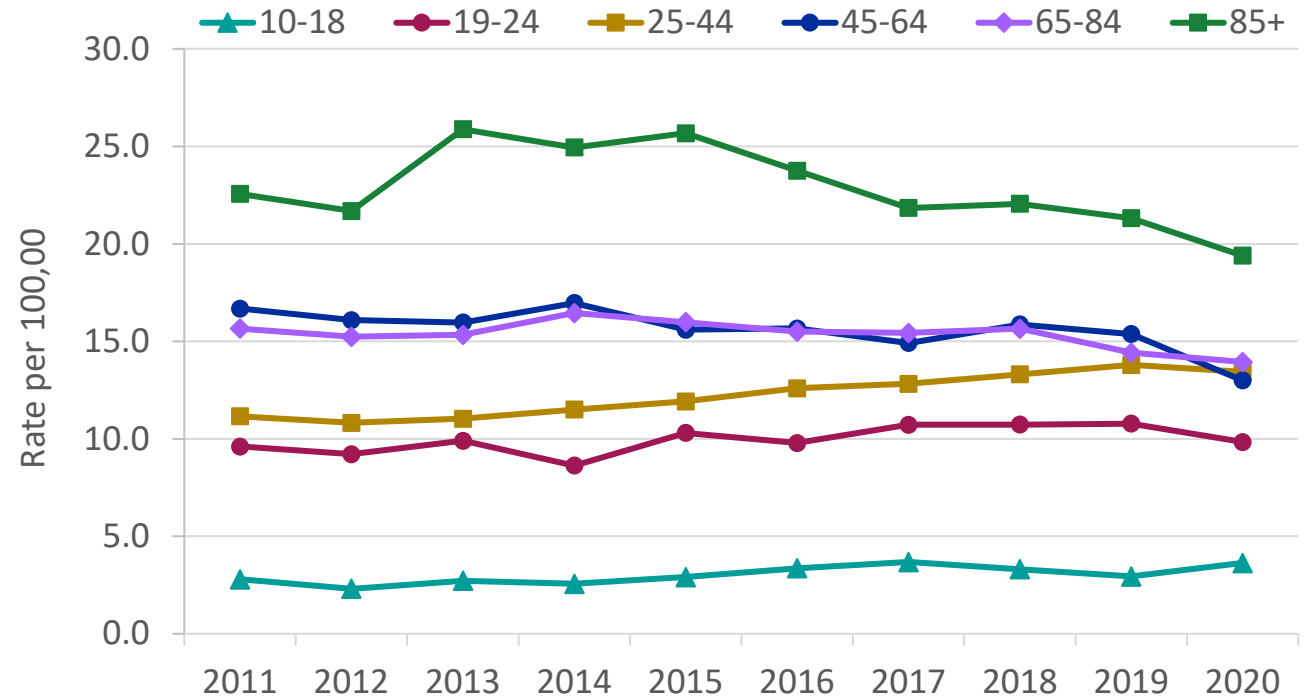
Source: 2011-2013 deaths: CDPH, Death Statistical Master File (DSMF); 2014-2020 deaths: CDPH, CA Comprehensive Master Death File (CCMDF); CA Dept. of Finance P-3 Population Projection File (2010-2060)

Suicide Counts (Burden) and Rates (Risk) by Age Group in California

Suicide Counts (Burden) by Age Group, 2020



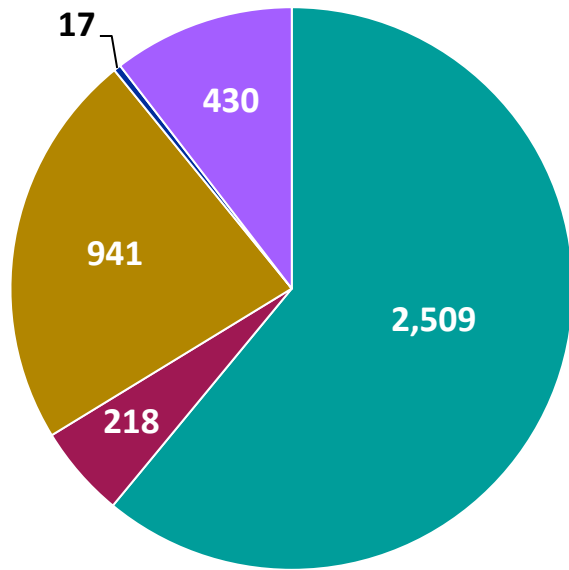
Suicide Rates (Risk) by Age Group, 2011-2020



Source: 2011-2013 deaths: CDPH, Death Statistical Master File (DSMF); 2014-2020 deaths: CDPH, CA Comprehensive Master Death File (CCMDF); CA Dept. of Finance P-3 Population Projection File (2010-2060)

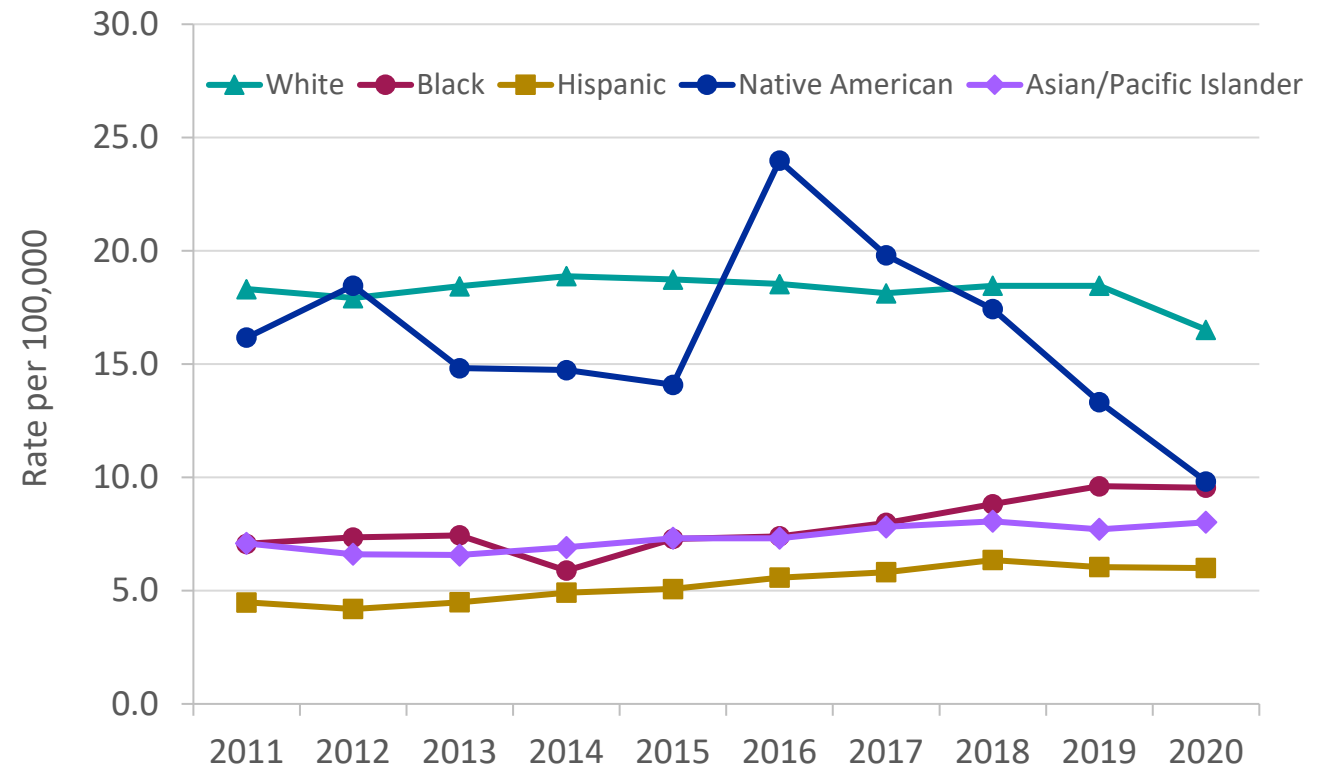
Suicide Counts (Burden) and Rates (Risk) by Race/Ethnicity in California

Suicide Counts (Burden) by Race/Ethnicity, 2020



■ White ■ Black ■ Hispanic ■ Native American ■ Asian/Pacific Islander

Suicide Rates by Race/Ethnicity in California, 2011-2020

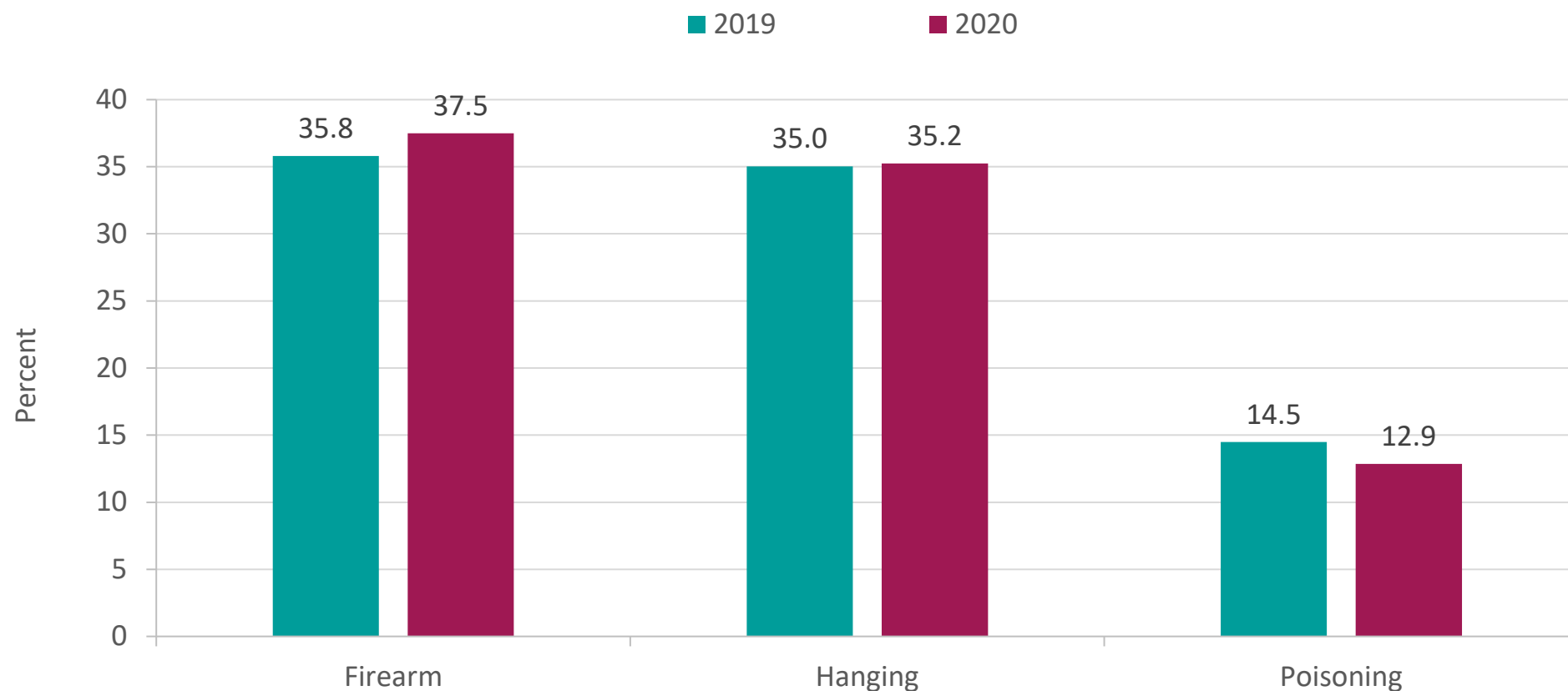


Note: Suicide rates for Native Americans are unstable due to small sample size.

Source: 2011-2013 deaths: CDPH, Death Statistical Master File (DSMF); 2014-2020 deaths: CDPH, CA Comprehensive Master Death File (CCMDF); CA

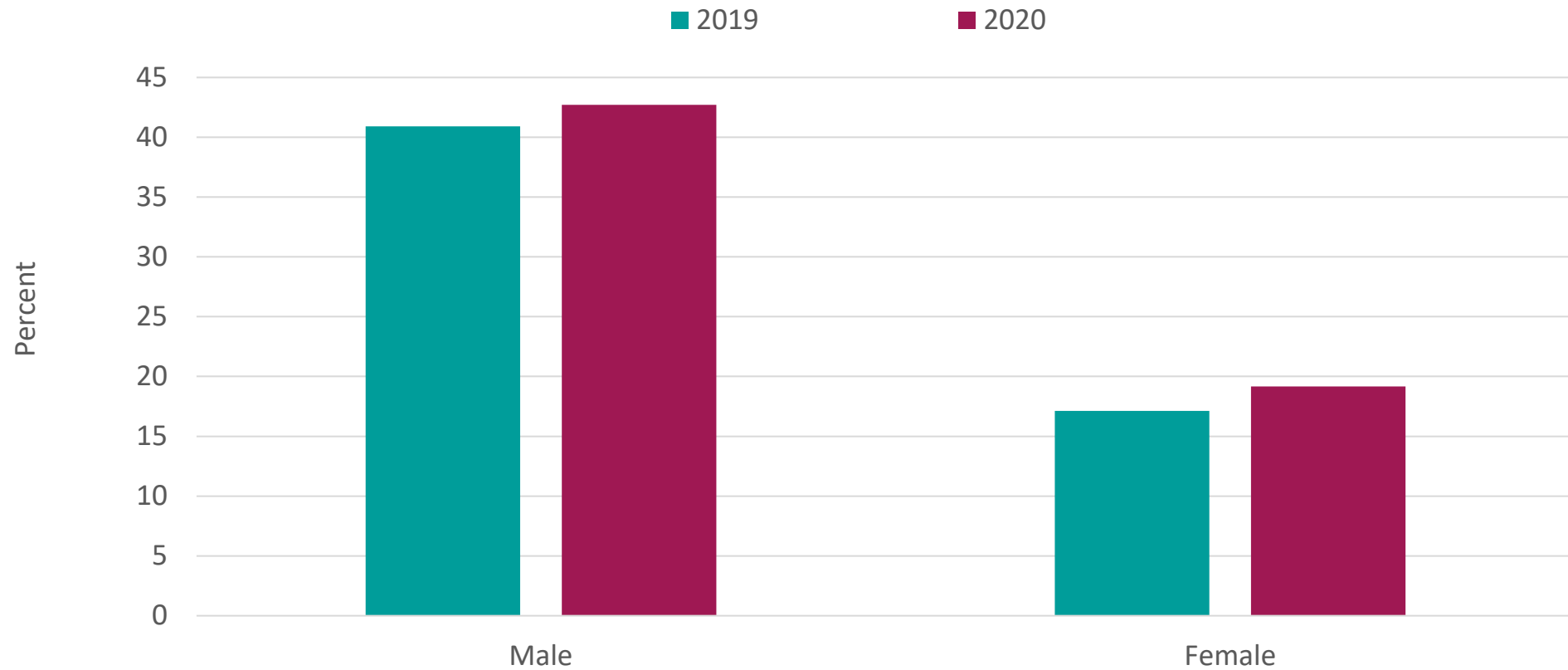
Dept. of Finance P-3 Population Projection File (2010-2060)

Mechanism of Suicide in California, 2019 & 2020



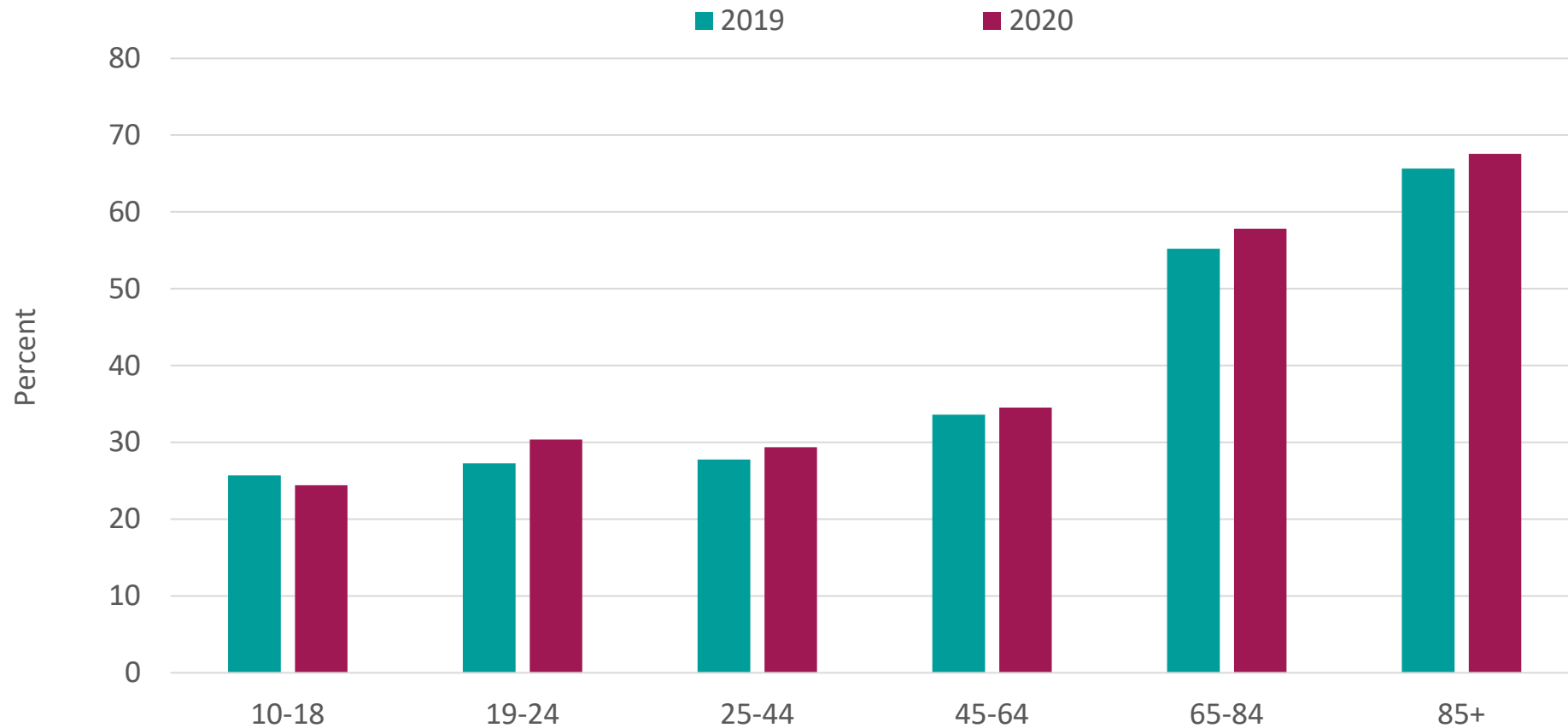
Source: 2019-2020 deaths: CDPH, CA Comprehensive Master Death File (CCMDF)

Suicide by Firearm, Gender, California, 2019 & 2020



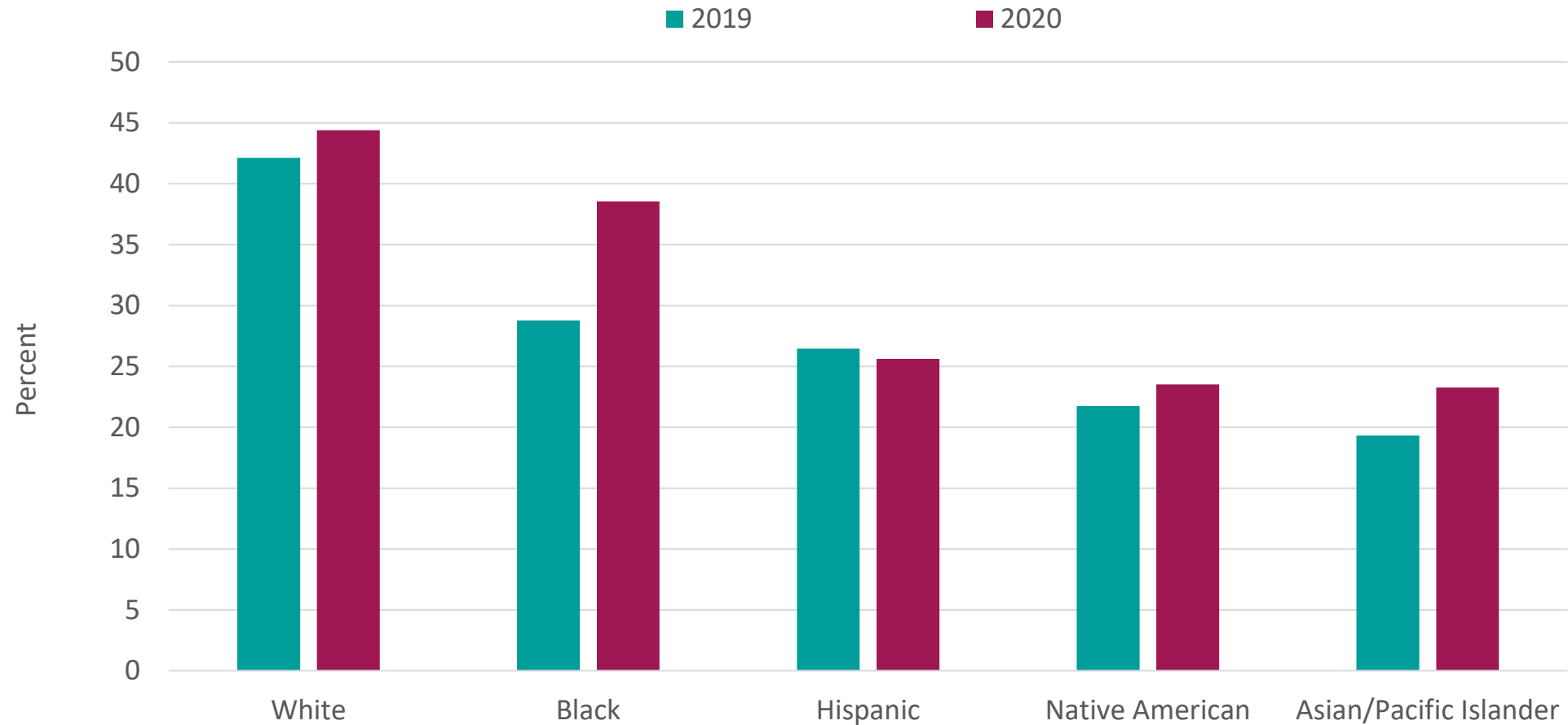
Source: 2019-2020 deaths: CDPH, CA Comprehensive Master Death File (CCMDF)

Suicide by Firearm, Age Group, California, 2019 & 2020



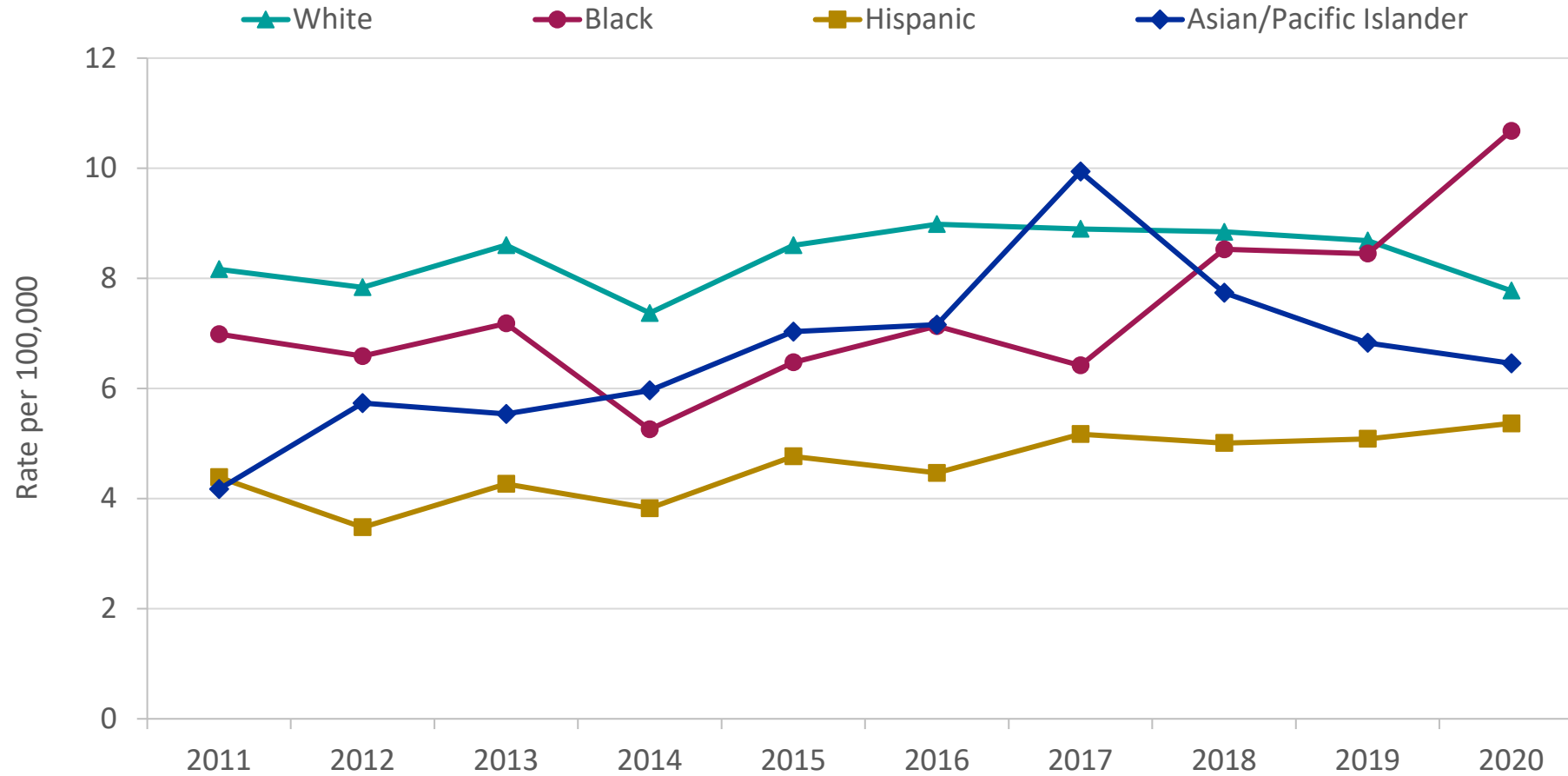
Source: 2019-2020 deaths: CDPH, CA Comprehensive Master Death File (CCMDF)

Suicide by Firearm, Race/Ethnicity, California, 2019 & 2020



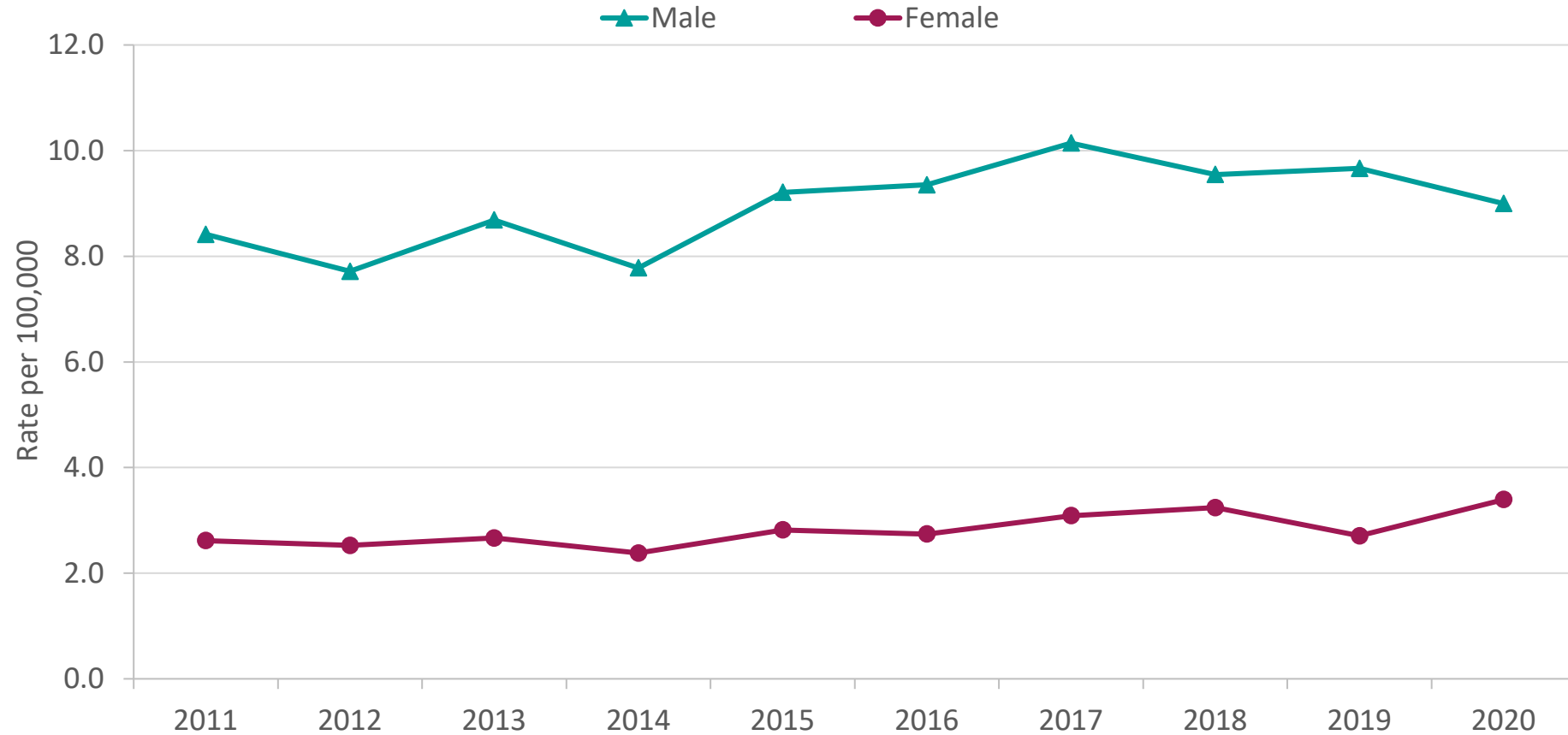
Source: 2019-2020 deaths: CDPH, CA Comprehensive Master Death File (CCMDF)

Suicide Rates (Risk) among Youth (Ages 10-24) by Race/Ethnicity in California, 2011-2020



Source: 2011-2013 deaths: CDPH, Death Statistical Master File (DSMF); 2014-2020 deaths: CDPH, CA Comprehensive Master Death File (CCMDF); CA Dept. of Finance P-3 Population Projection File (2010-2060)

Suicide Rates (Risk) among Youth (Ages 10-24) by Gender in California, 2011-2020



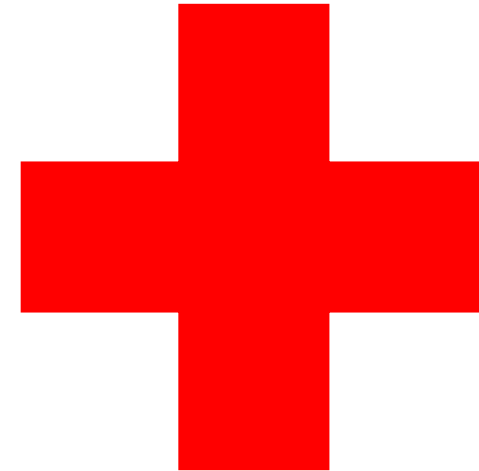
Source: 2011-2013 deaths: CDPH, Death Statistical Master File (DSMF); 2014-2020 deaths: CDPH, CA Comprehensive Master Death File (CCMDF); CA Dept. of Finance P-3 Population Projection File (2010-2060)

Summary of Suicide Findings/Trends

- Number of suicides overall in California has decreased in 2020.
- Suicide rates of certain subgroups have increased in 2020:
 - 10-18 year olds
 - People who are Asian/Pacific Islander
- Suicide rates among certain subgroups of youth (ages 10-24) have increased in 2020:
 - Youth who are Black
 - Youth who are Hispanic
 - Female youth
- The use of firearms as a mechanism for suicide has increased in 2020, especially among individuals who are Black.

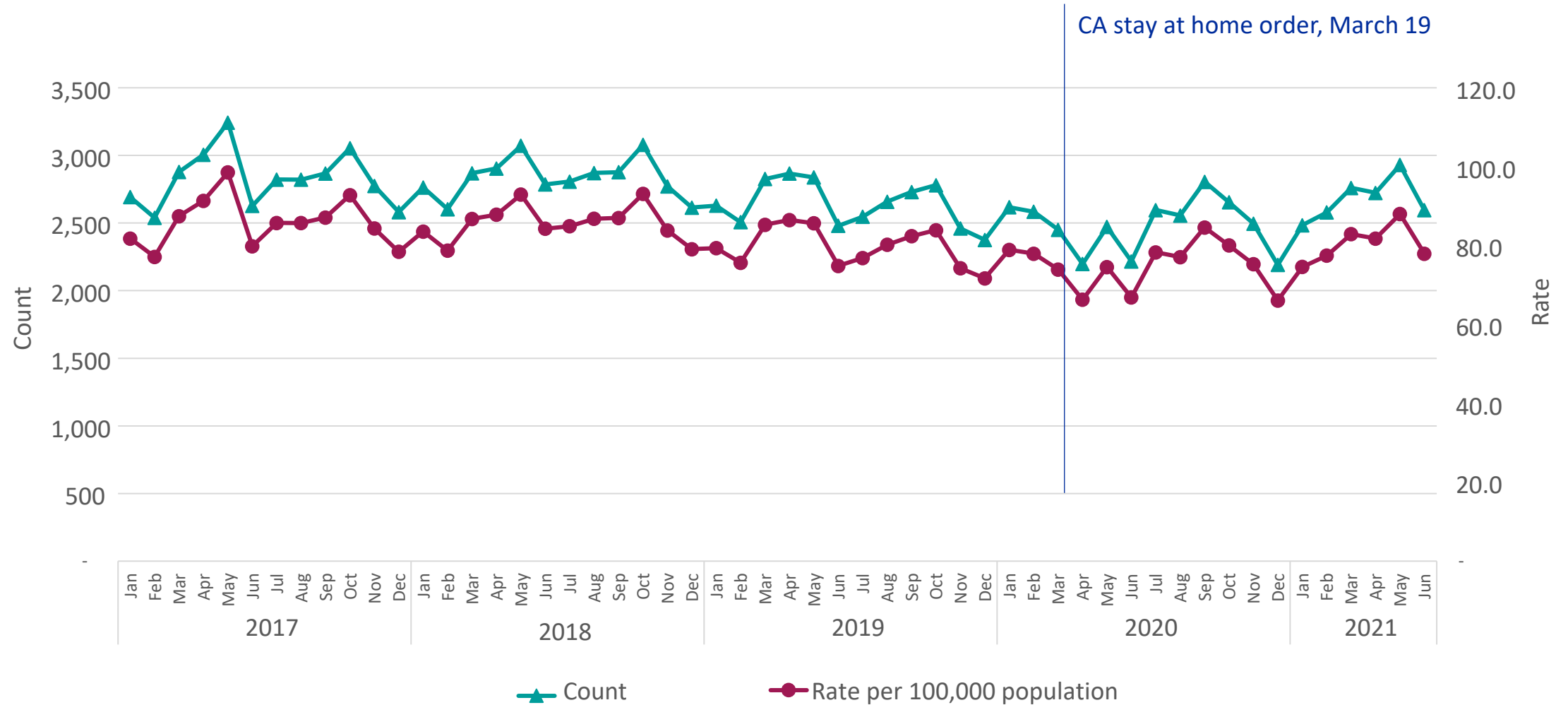
Self-harm Emergency Department (ED) visits

- Non-fatal
- Treat and release (exclude same facility hospital admits)
- CA residents in CA facilities
- Any mention of a self-harm injury*
- Excludes newborns and age >119
- Data available through June 2021



* Case definition for self-harm ED visits can be found at: [2019 CDC State Injury Indicators Guidance](#)

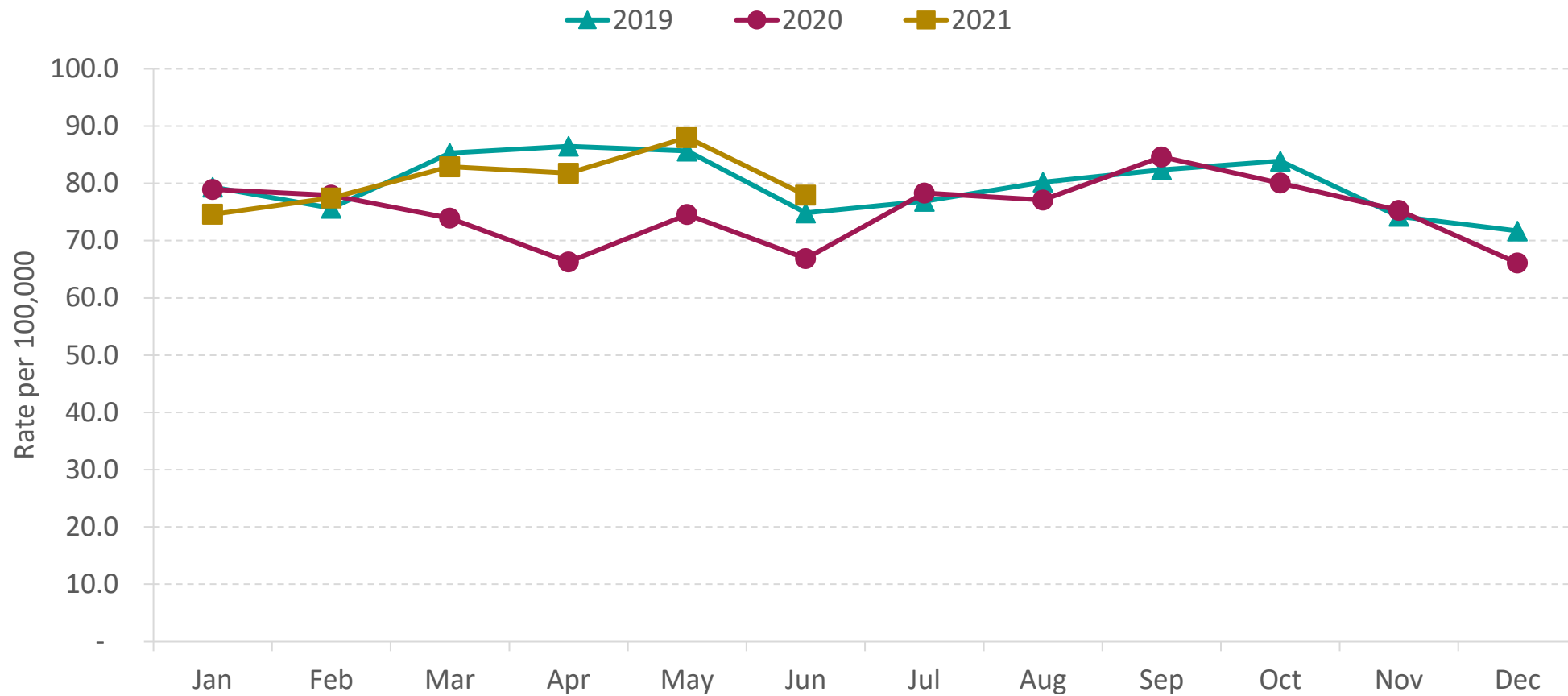
Monthly Self-harm ED Visits in California, 2017 – June 2021



Source data: Office of Statewide Health Planning and Development (OSHPD) ED data; CA Dept. of Finance (DOF) P-3 Population Projection File



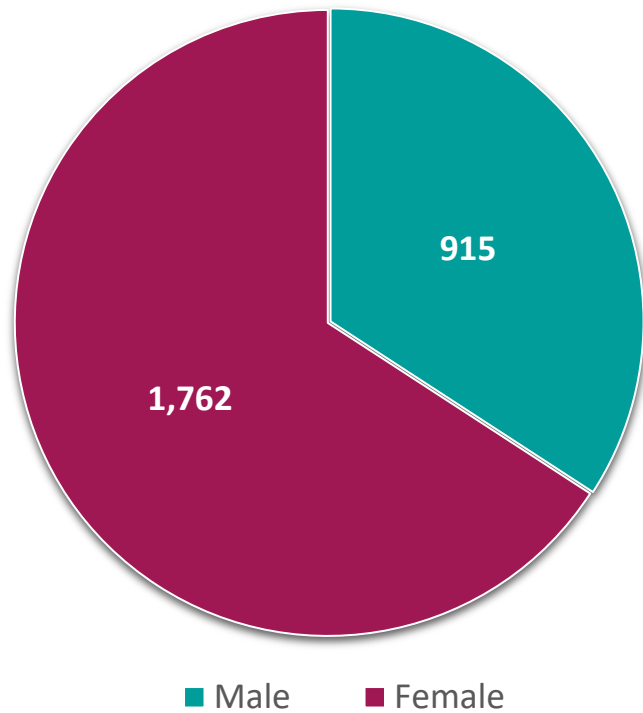
Monthly Self-harm ED Visit Rates in California, 2019 -2021



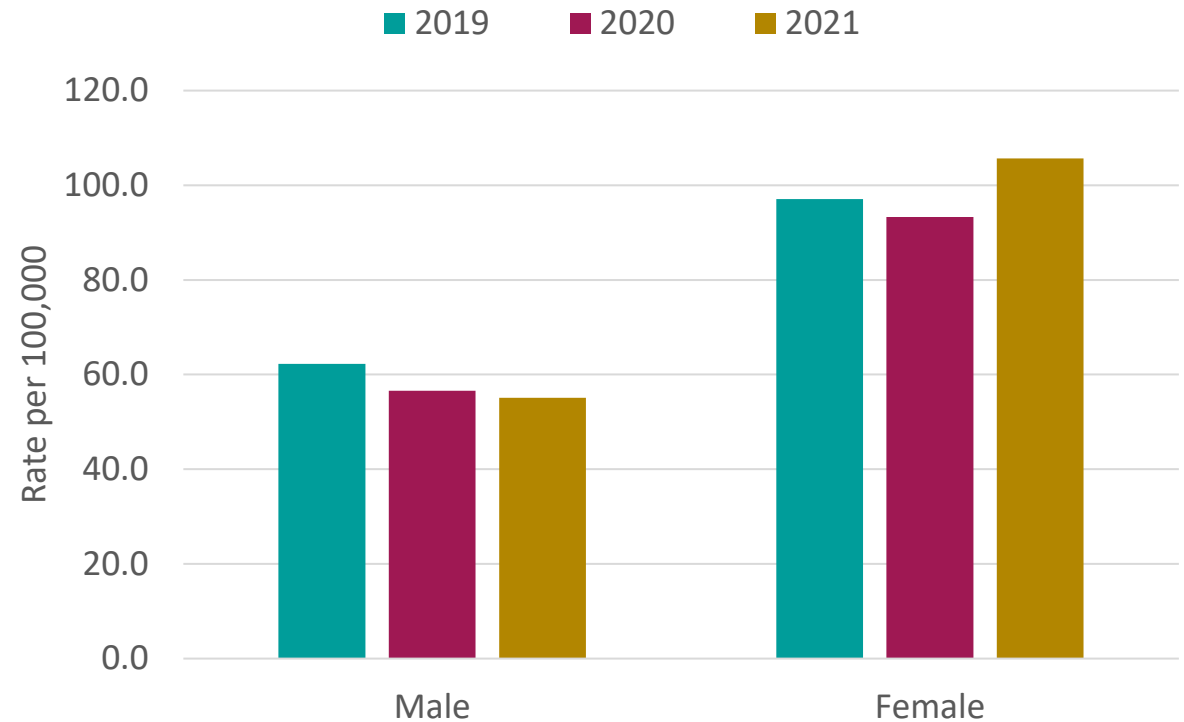
Source data: OSHPD ED data; CA DOF P-3 Population Projection File

Average Monthly Self-harm ED Visits (Burden) and Rates (Risk) by Sex in California

Average Monthly Self-Harm ED Visits (Burden) by Sex, 2021



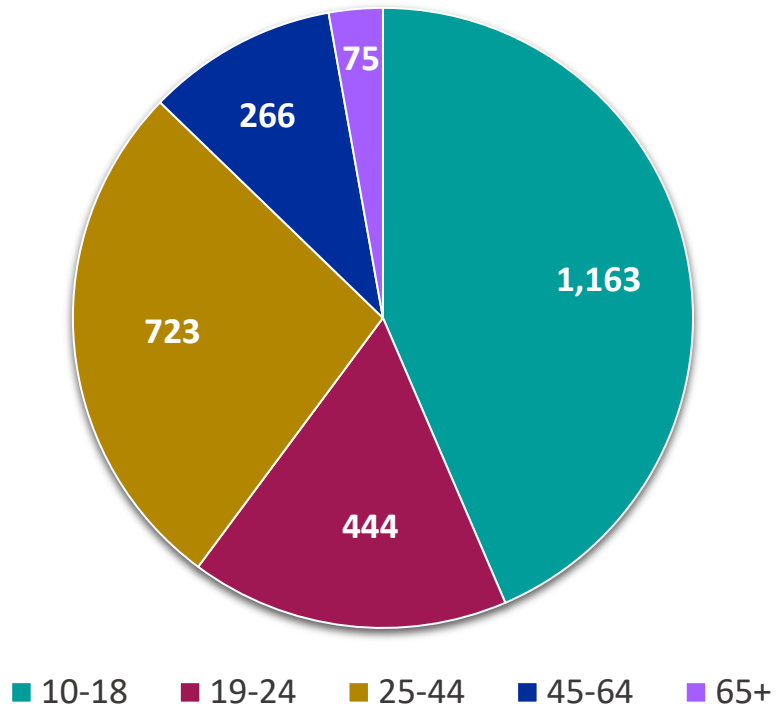
Average Monthly Self-Harm ED Visit Rate (Risk) by Sex, 2019-2021



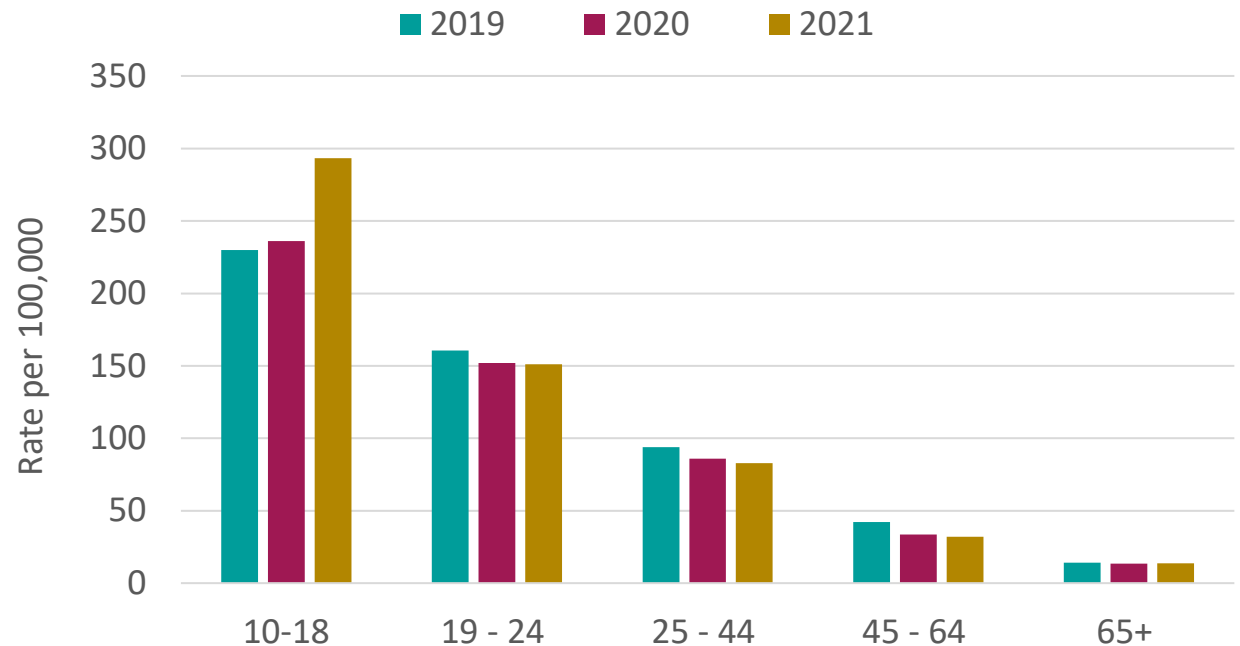
Source data: OSHPD ED data; CA DOF P-3 Population Projection File

Average Monthly Self-harm ED Visits (Burden) and Rates (Risk) by Age in California

Average Monthly Self-Harm ED Visits (Burden) by Age, 2021



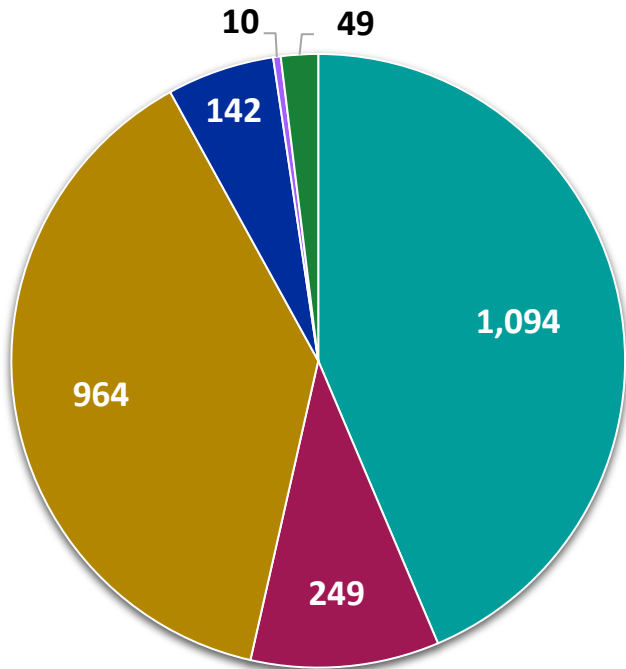
Average Monthly Self-Harm ED Visit Rate (Risk) by Age, 2019-2021



Source data: OSHPD ED data, CA DOF P-3 Population Projection File

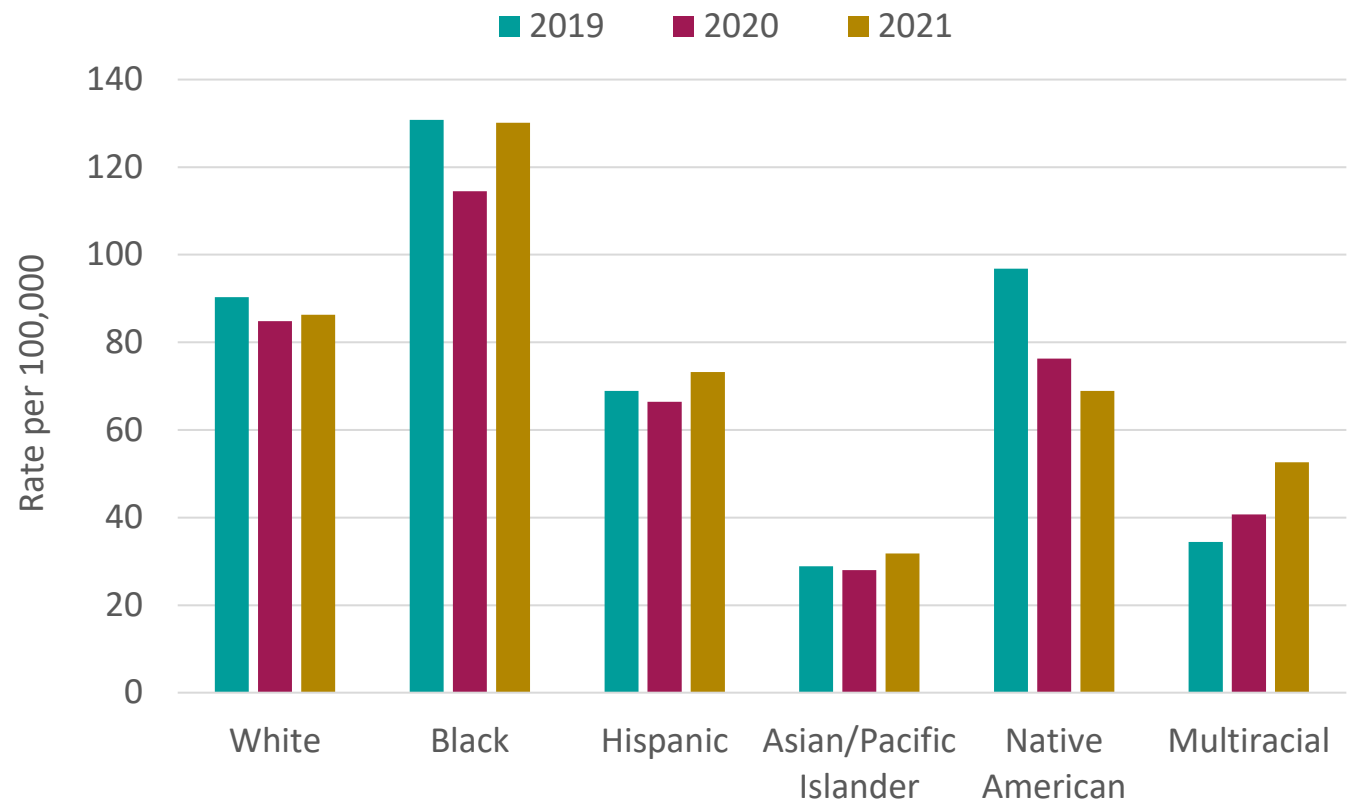
Average Monthly Self-harm ED Visits (Burden) and Rates (Risk) by Race/Ethnicity in California

Average Monthly Self-Harm ED Visits (Burden) by Race/Ethnicity, 2021



■ White ■ Black ■ Hispanic
■ Asian/Pacific Islander ■ Native American ■ Multiracial

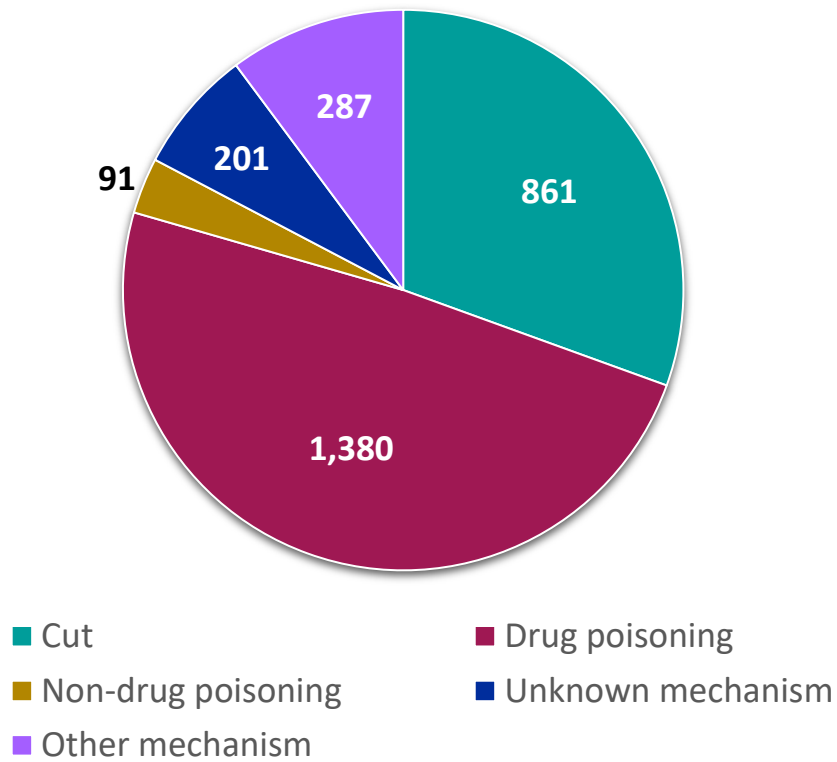
Average Monthly Self-Harm ED Visit Rate (Risk) by Race/Ethnicity, 2019-2021



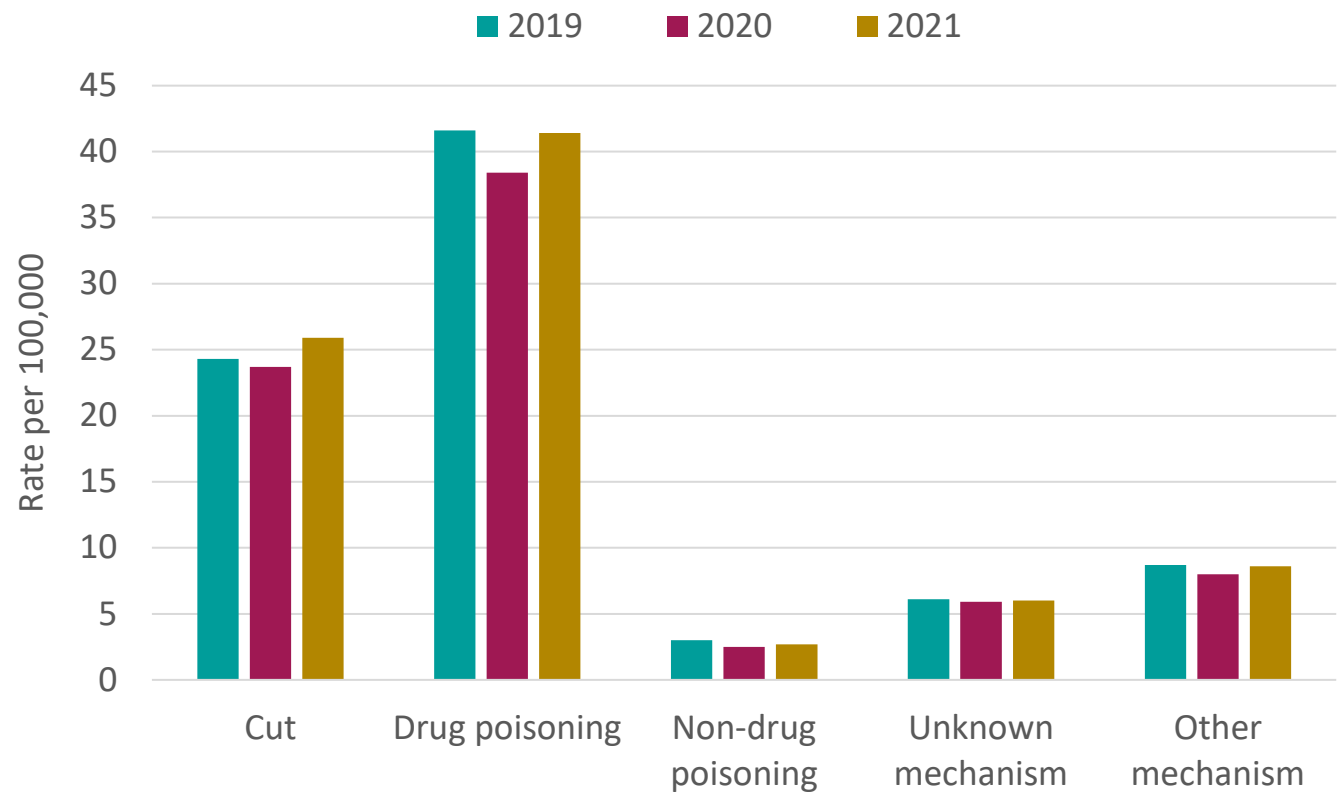
Source data: OSHPD ED data; CA DOF P-3 Population Projection File

Average Monthly Self-harm ED Visits (Burden) and Rates (Risk) by Injury Mechanism in California

Average Monthly Self-Harm ED Visits (Burden) by Mechanism, 2021



Average Monthly Self-Harm ED Visit Rate (Risk) by Mechanism, 2019-2021



Note: A single ED visit may have multiple injury mechanisms; mechanisms accounting for <1% of ED visits not shown.

Source data: OSHPD ED data; CA DOF P-3 Population Projection File

Self-harm ED visit summary

- Overall:
 - California ED visits declined in March and April 2020 then returned to 2019 levels by July 2020
 - From July 2020 to June 2021, California ED visits remained roughly at 2019 levels
- In the first half of 2021, ED visits were greater than 2019 levels among:
 - Females
 - Youth aged 10 - 18 years
 - Californians who are Hispanic, Asian/PI, or multiracial
 - Cut injury visits

