

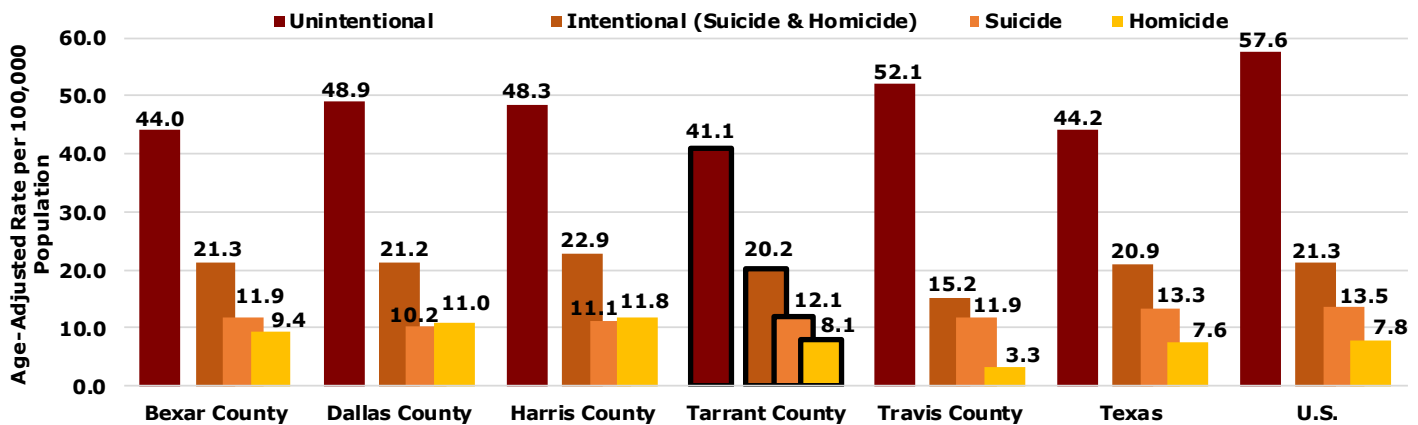
TARRANT COUNTY PUBLIC HEALTH DATA BRIEF



INJURY MORTALITY IN TARRANT COUNTY

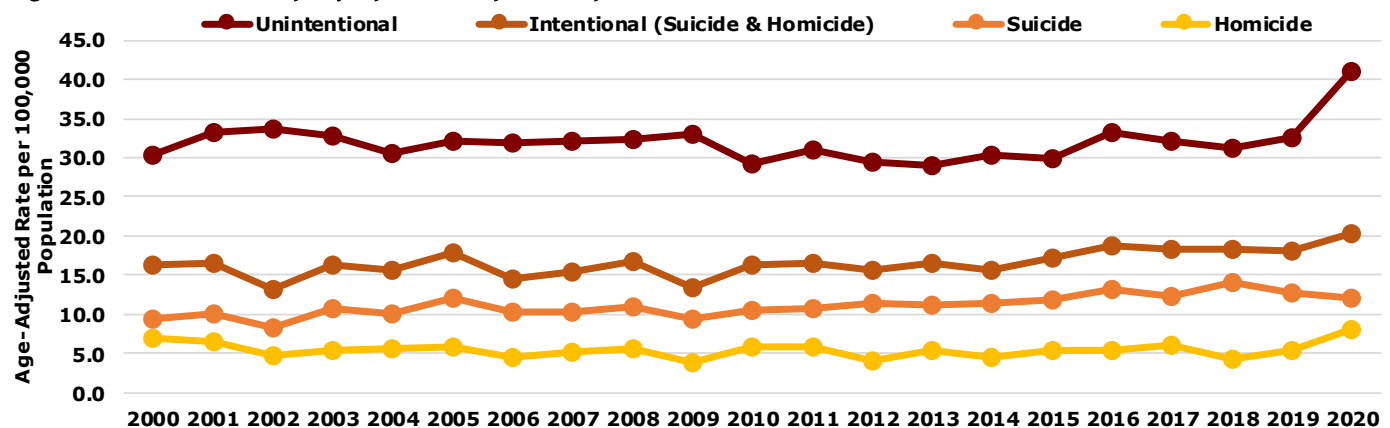
Injuries can be fatal or non-fatal and are described by *intent/manner* and *mechanism*. **Unintentional** injuries are unplanned and occur without the intent to cause harm. They are commonly called “accidents.” **Intentional** injuries occur on purpose with the intent to cause harm to oneself or others. They are often referred to as “violence” or “violence-related injuries.” Intentional injuries include suicide/self-harm and homicide/assault. Unintentional and intentional injuries are both preventable. The **mechanism** explains what caused the injury or trauma (e.g. cut/pierce, drowning, fall, firearm, fire/burn, motor vehicle traffic, poisoning, suffocation, etc.).

Figure 1. Injury mortality rates by intent and geographical location, 2020



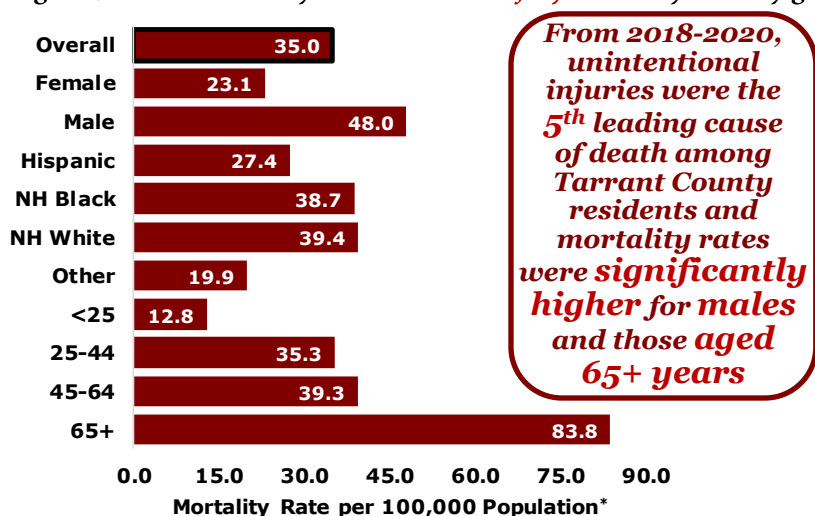
In 2020: 856 unintentional and 431 intentional injury deaths among Tarrant County residents
Tarrant County's unintentional injury mortality rate was significantly lower than Dallas, Harris, and Travis Counties, and the U.S. in 2020
Tarrant County's homicide mortality rate was significantly lower than Dallas and Harris Counties but significantly higher than Travis County in 2020

Figure 2. Tarrant County injury mortality rates by intent, 2000-2020



Unintentional injury mortality rates increased significantly from 2019 to 2020
Suicide mortality rates increased significantly from 2011 to 2018
Homicide mortality rates decreased significantly from 2000 to 2009 and then increased significantly from 2009 to 2017 and from 2019 to 2020

Figure 3. Tarrant County *unintentional injury* mortality rates by gender, race/ethnicity, and age group, 2018-2020



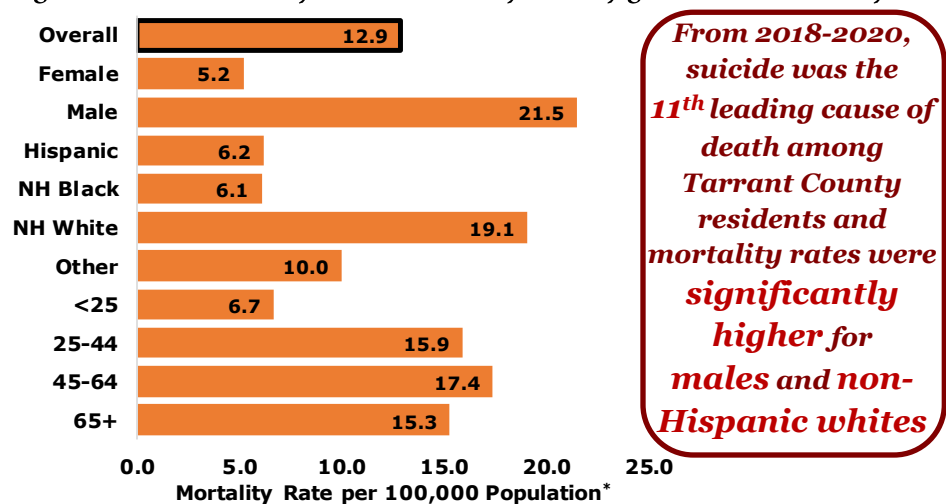
Top 3 Unintentional Injury Mechanisms:

- 30% Poisoning
- 30% Motor vehicle traffic
- 19% Fall



There were 650 poisoning deaths and 645 motor vehicle traffic deaths from 2018-2020 among Tarrant County residents

Figure 4. Tarrant County *suicide* mortality rates by gender, race/ethnicity, and age group, 2018-2020



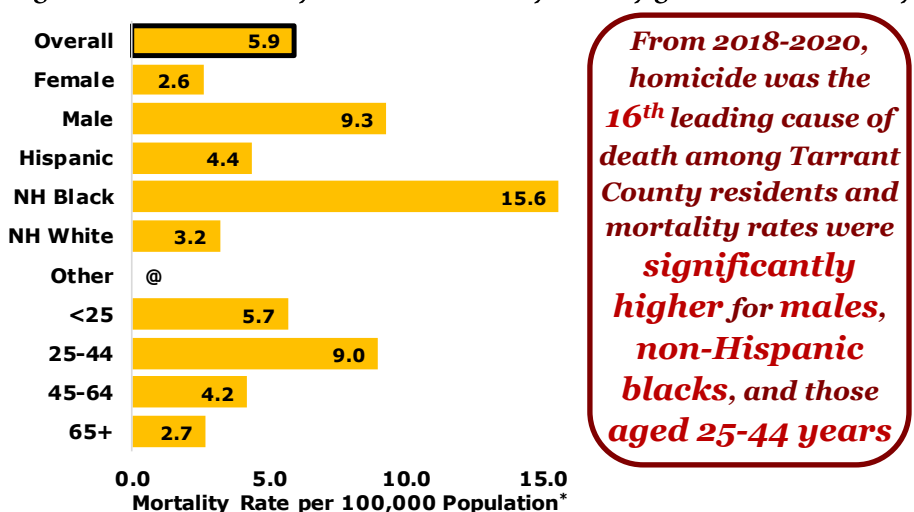
Top 3 Suicide Mechanisms:

- 60% Firearm
- 24% Suffocation
- 9% Poisoning



There were 489 suicides involving a firearm from 2018-2020 among Tarrant County residents

Figure 5. Tarrant County *homicide* mortality rates by gender, race/ethnicity, and age group, 2018-2020



Top 3 Homicide Mechanisms:

- 77% Firearm
- 8% Unspecified injury
- 7% Cut/pierce



There were 288 homicides involving a firearm from 2018-2020 among Tarrant County residents

Tarrant County Public Health conducts surveillance on various injury and violence topics

- Data Brief Library [tarrantcounty.com/en/public-health/disease-control-and-prevention/epidemiology-and-health-information/health-data-and-information/data-briefs.html]
- To submit a data request [tarrantcounty.com/en/public-health/disease-control-and-prevention/epidemiology-and-health-information/data-request.html]

All significant differences detected at the 95% confidence level; * Age-adjusted rate per 100,000 population for Tarrant County overall, gender, and race/ethnicity. Age-specific rate per 100,000 population for age groups; NH= non-Hispanic; @ unstable rate for less than 20 cases. Data source: Centers for Disease Control and Prevention Data Brief provided by: Division of Epidemiology and Health Information