

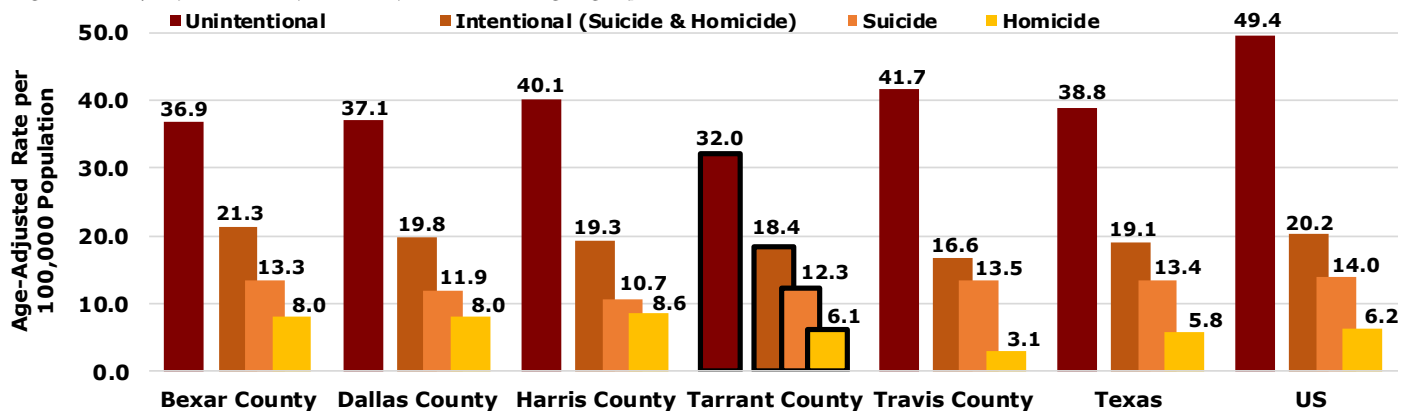
TARRANT COUNTY PUBLIC HEALTH DATA BRIEF



INJURY MORTALITY IN TARRANT COUNTY

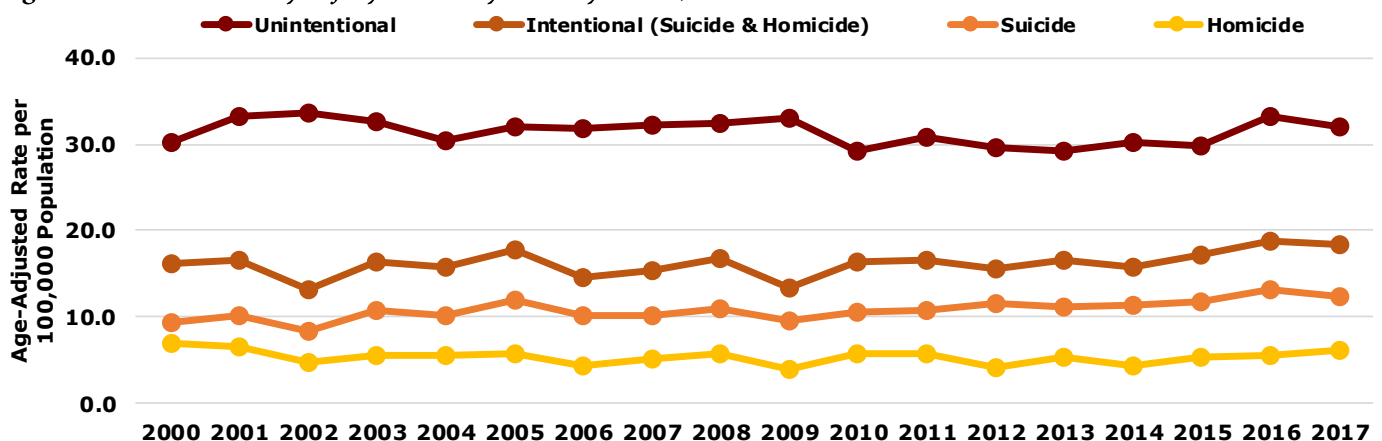
Injuries can be fatal or non-fatal and are described by *intent/manner* and *mechanism*. **Unintentional** injuries are unplanned and occur without the intent to cause harm. They are commonly called “accidents.” **Intentional** injuries occur on purpose with the intent to cause harm to oneself or others. 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, 2017



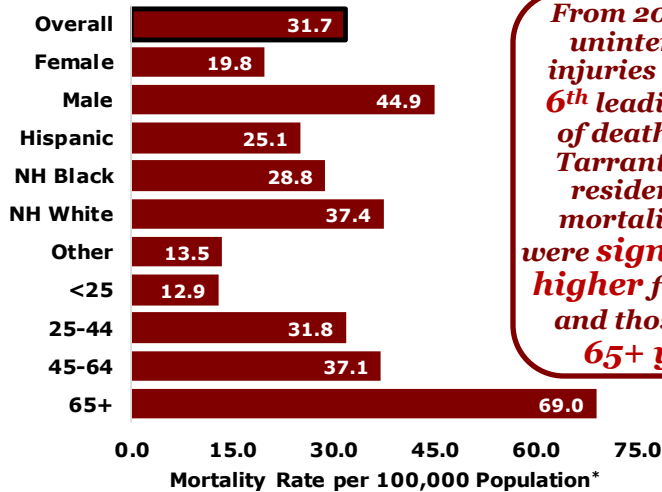
Tarrant County's unintentional injury mortality rate was significantly lower than Dallas, Harris, and Travis counties, Texas, and the US in 2017
In 2017, there were 628 unintentional and 382 intentional injury deaths among Tarrant County residents

Figure 2. Tarrant County injury mortality rates by intent, 2000-2017



Unintentional injury mortality rates had no significant changes from 2000-2017
Suicide mortality rates increased significantly from 2002-2017
Homicide mortality rates decreased significantly from 2000-2009 and then increased significantly from 2009-2017

Figure 3. Tarrant County *unintentional injury* mortality rates by gender, race/ethnicity, and age group, 2015-2017



From 2015-2017, unintentional injuries were the 6th leading cause of death among Tarrant County residents and mortality rates were significantly higher for males and those aged 65+ years

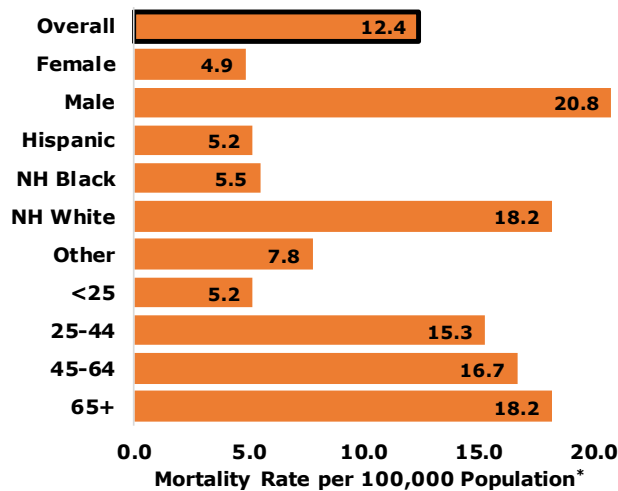
Top 3 Unintentional Injury Mechanisms:

32% Motor vehicle traffic
31% Poisoning
18% Fall



There were 594 motor vehicle traffic deaths and 566 poisoning deaths from 2015-2017 among Tarrant County residents

Figure 4. Tarrant County *suicide* mortality rates by gender, race/ethnicity, and age group, 2015-2017



From 2015-2017, suicide was the 10th leading cause of death among Tarrant County residents and mortality rates were significantly higher for males and non-Hispanic whites

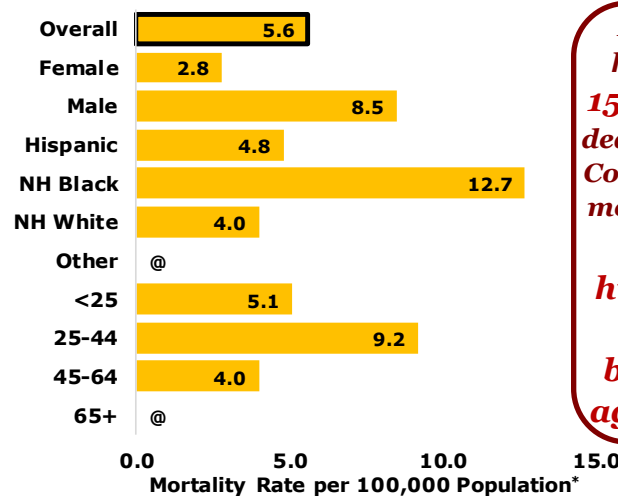
Top 3 Suicide Mechanisms:

57% Firearm
25% Suffocation
11% Poisoning



There were 425 suicides involving a firearm from 2015-2017 among Tarrant County residents

Figure 5. Tarrant County *homicide* mortality rates by gender, race/ethnicity, and age group, 2015-2017



From 2015-2017, homicide was the 15th leading cause of death among Tarrant County residents and mortality rates were significantly higher for males, non-Hispanic blacks, and those aged 25-44 years

Top 3 Homicide Mechanisms:

72% Firearm
10% Unspecified injury
10% Cut/pierce



There were 247 homicides involving a firearm from 2015-2017 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