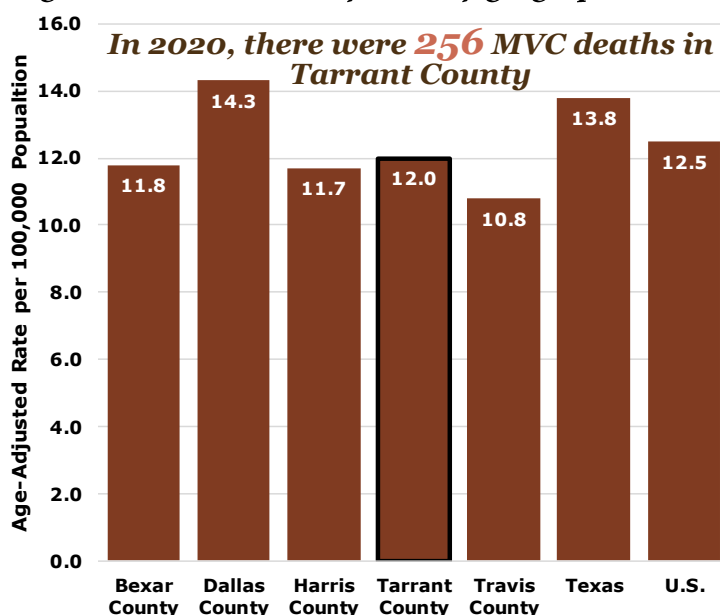# *MOTOR VEHICLE COLLISIONS IN TARRANT COUNTY*

Motor Vehicle Collision (MVC)
A crash that occurs between motor vehicles (car, van, pick-up truck, etc.) or a motor vehicle and a pedal cyclist, motorcyclist, bus, train, streetcar, non-motorized road vehicle, special-use motor vehicle, pedestrian, animal, or stationary object. MVCs also include incidents of overturning without collision. MVCs are *preventable* and may result in injury or death.

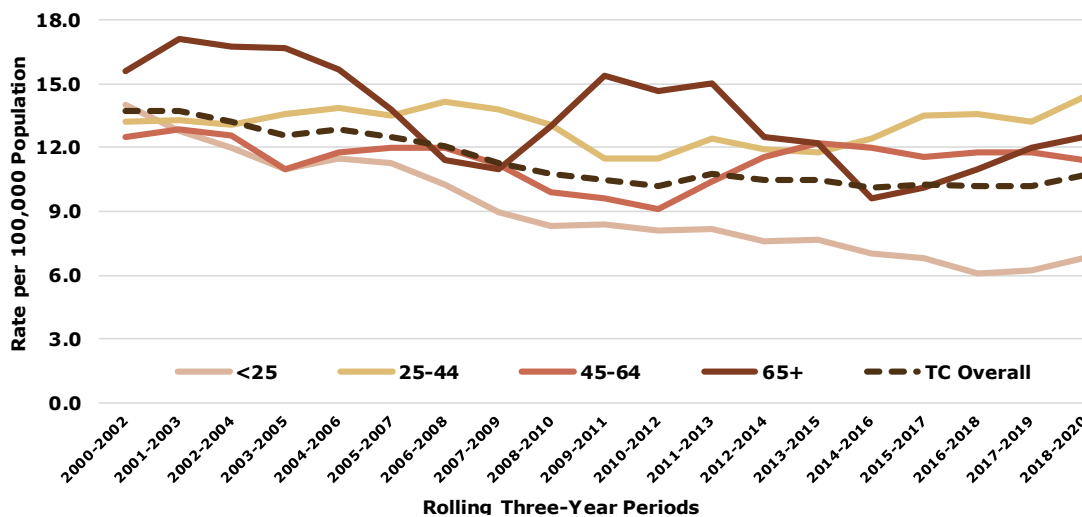*Figure 1. MVC mortality rates by geographical location, 2020*

In 2020, there were 256 MVC deaths in Tarrant County

Location	Rate
Bexar County	11.8
Dallas County	14.3
Harris County	11.7
Tarrant County	12.0
Travis County	10.8
Texas	13.8
U.S.	12.5

Y-axis: Age-Adjusted Rate per 100,000 Popualtion

ICD-10 113 cause list: motor vehicle accidents (V02-V04,V09.0,V09.2,V12-V14,V19.0-V19.2,V19.4-V19.6,V20-V79,V80.3-V80.5,V81.0-V81.1,V82.0-V82.1,V83-V86,V87.0-V87.8,V88.0-V88.8,V89.0,V89.2)

*In 2020, Tarrant County MVC mortality was **significantly higher** among **men (17.5)** compared to women (6.7), and among individuals aged **25-44 years (17.0)** compared to individuals aged <25 years (8.3)*

Figure 2. Tarrant County MVC mortality rates by age group and overall, 2000-2020*

Legend: <25, 25-44, 45-64, 65+, TC Overall

Y-axis: Rate per 100,000 Population

X-axis (Rolling Three-Year Periods): 2000-2002, 2001-2003, 2002-2004, 2003-2005, 2004-2006, 2005-2007, 2006-2008, 2007-2009, 2008-2010, 2009-2011, 2010-2012, 2011-2013, 2012-2014, 2013-2015, 2014-2016, 2015-2017, 2016-2018, 2017-2019, 2018-2020

*There was a **significant decrease** in Tarrant County MVC mortality **overall** and among individuals aged **<25 years***

*Three-year rolling rates used due to data suppression. Age-specific rate per 100,000 population for age groups. Age-adjusted rate per 100,000 population for Tarrant County overall.

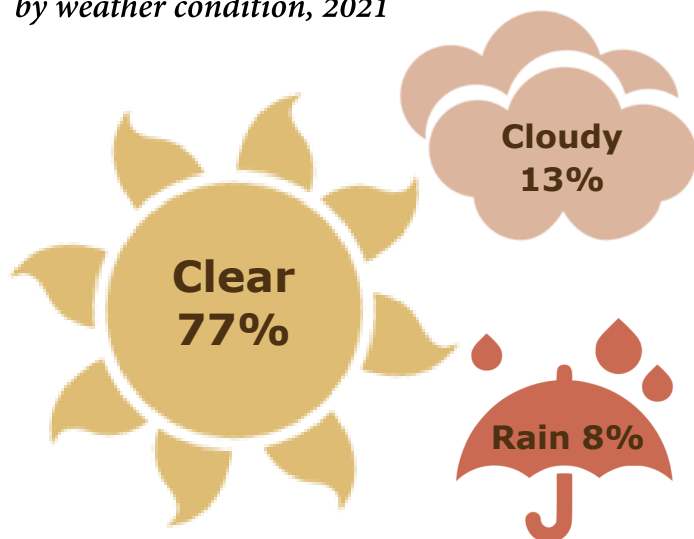*Figure 3. Proportion of Tarrant County MVCs by weather condition, 2021*

Cloudy 13%

Clear 77%

Rain 8%

Figure 4. Proportion of Tarrant County MVCs by day of the week, 2021

Sunday 12.6%

Monday 14.4%

Tuesday 13.7%

Wednesday 14.3%

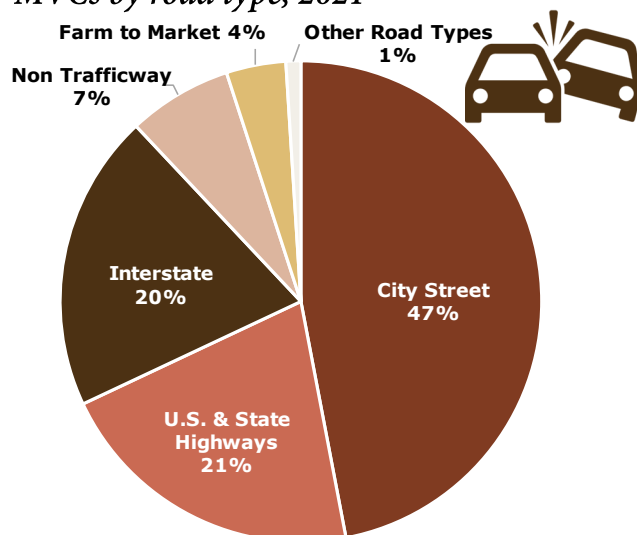Thursday 14.3%

Friday 16.2%

Saturday 14.4%
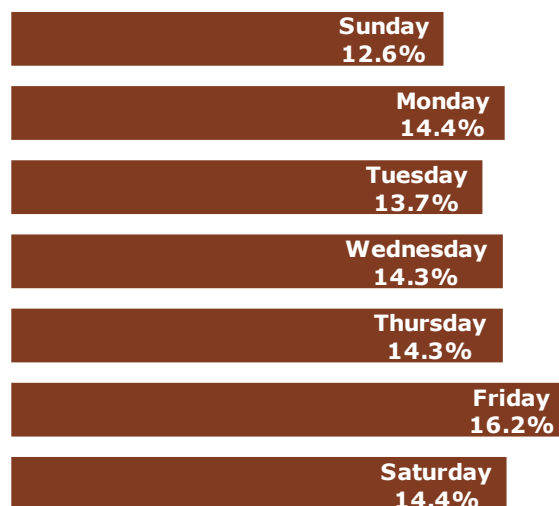
In 2021, there were approximately 35,700 MVCs that involved 90,800 people in Tarrant County

Among Tarrant County MVCs in 2021:

23% Distracted Driving

6% Work Zone

5% Under the Influence of Alcohol or Drugs

2% Involved Motorcycles
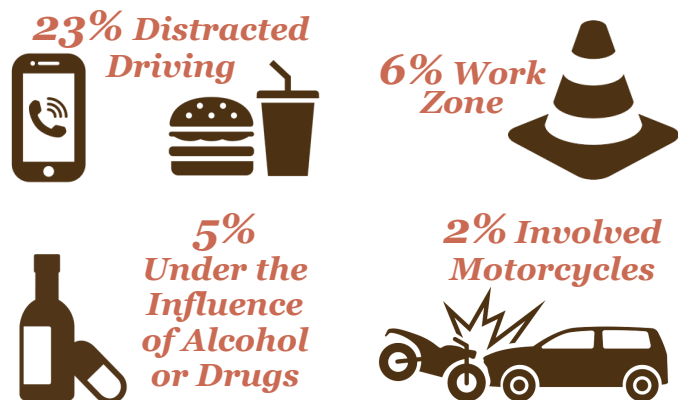
MVC characteristics are not mutually exclusive. *Distracted driving collisions:* crashes where any person is reported with driver inattention, distraction in vehicle, or cell/mobile device use. *Work zone collisions:* crashes occurring in or involved in work zones. *Driving under the influence of alcohol or drugs:* driver reported with contributing factors of under the influence of alcohol or had been drinking, taking meds, or under the influence of drugs, or test resulting in a blood alcohol concentration greater than 0 or tested positive for drug test. *Motorcycles*: drivers and passengers on motorcycles.

Figure 5. Proportion of Tarrant County MVCs by road type, 2021

Farm to Market 4%

Other Road Types 1%

Non Trafficway 7%

City Street 47%

Interstate 20%

U.S. & State Highways 21%

How to Prevent MVCs

- Wear a **seat belt** (every person, every seat, every time)
- Wear a **helmet** (drivers/passengers of bicycles, motorcycles, etc.)
- Secure children in a **car seat**, **booster seat**, or **seat belt in the back seat** (appropriate device for their age, height, and weight)
- Drive **without distractions** (texting, phone calls, eating, GPS, etc.)
- **Do not drive while impaired by alcohol or drugs/medication**
- **Do not drive while having difficulty staying awake**
- **Obey speed limits and rules of the road**
- **Be aware of surroundings** (vehicles/pedestrians/motorcyclists)
- Schedule routine **vehicle maintenance**
- Schedule annual **eye exams** and get **corrective lenses** if necessary
- Limit driving in poor weather conditions
- Use alternatives: Ride share services, public transit, carpool, etc.
- **Pedestrians: Use sidewalks and crosswalks. Make yourself visible by wearing bright clothes and bringing a light source**

Resources and Services

Safe Kids North Texas (Cook Children's) FREE car seat fittings **Call 682-885-2634** or **Book Online [cookchildrens.org/ health-resources/safety/Pages/vehicle-safety.aspx]**

Car Seat Guide **[safekids.org/ultimate-car-seat-guide/]**

Teens **[t-driver.com/]** & College Students **[u-driver.com/]**

Older Adults **[cdc.gov/motorvehiclesafety/ older_adult_drivers/mymobility/index.html]**

[lookouttexans.org/]
[visionzerotexas.org/]
[nsc.org/road-safety]
[nhtsa.gov/]

[txdot.gov/safety/bicycle-pedestrian-safety.html]
[txdot.gov/safety/driving-laws.html]
[txdot.gov/safety/traffic-safety-campaigns.html]