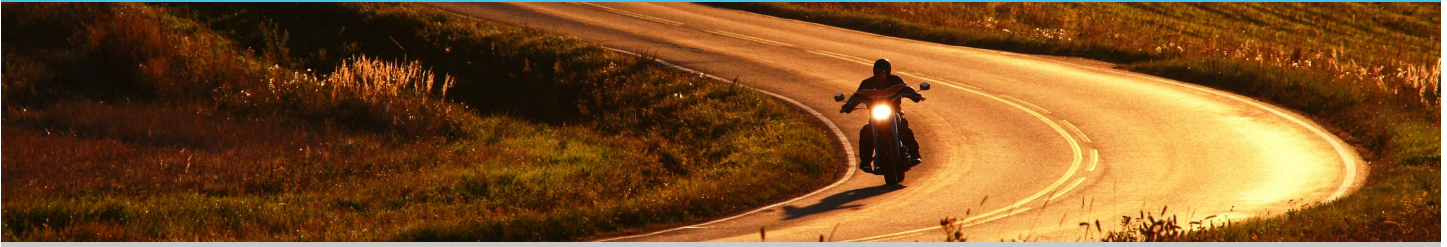


# MOTORCYCLE FACTS – CURVES (2010-2017)



## Highest crash risk and severity for motorcycle crashes

- MC less stable than four wheeled vehicles
- Limited sight distance on curves
- Wide speed variation
- More negotiation maneuvers

26% OF FATAL AND SERIOUS MC CRASHES  
HAPPEN ON CURVES

**RIDERS** who crash on curves die **8X**  
as often as **NON-MCS** who crash on curves



Among **DUI MC operators** with a fatal/serious injury, **39%** of crashes occurred on a curve compared to **24%** of **non-DUI MC operators** with a fatal/serious injury

For fatal and serious MC crashes on curves, the most common contributing factors were **unsafe speed (26%)** and **failed to control speed (14%)**

1. Serious injuries or crashes are defined by TxDOT as suspected serious injuries (formerly incapacitating injuries).

2. Riders refers to operators and passengers unless otherwise specified.

3. Data are based on Texas Peace Officer crash reports (CR-3) as of May 21, 2018.

AVERAGE OF 1852 RIDERS/YEAR AFFECTED



Fatalities  
per year

**149**

**492**

Serious  
Injuries  
per year



Fatal and Serious MC Crashes on Curve

**RURAL** vs **URBAN**



**56%** vs **44%**



**RIDERS** who crash on curves die **2X** as often  
as **RIDERS** who crash on straight roadways



**8%** vs **4%**



**85%** of fatal and serious MC crashes **on curves** are single vehicle crashes as compared to **41%** of **non-curve** crashes being single vehicle crashes

**50%** of fatal and serious MC crashes **on curves** occur on roadways with a 50 to 70 mph speed limit compared to **38%** of those **on straight roadways**