2021 Motorcycle Crash Data

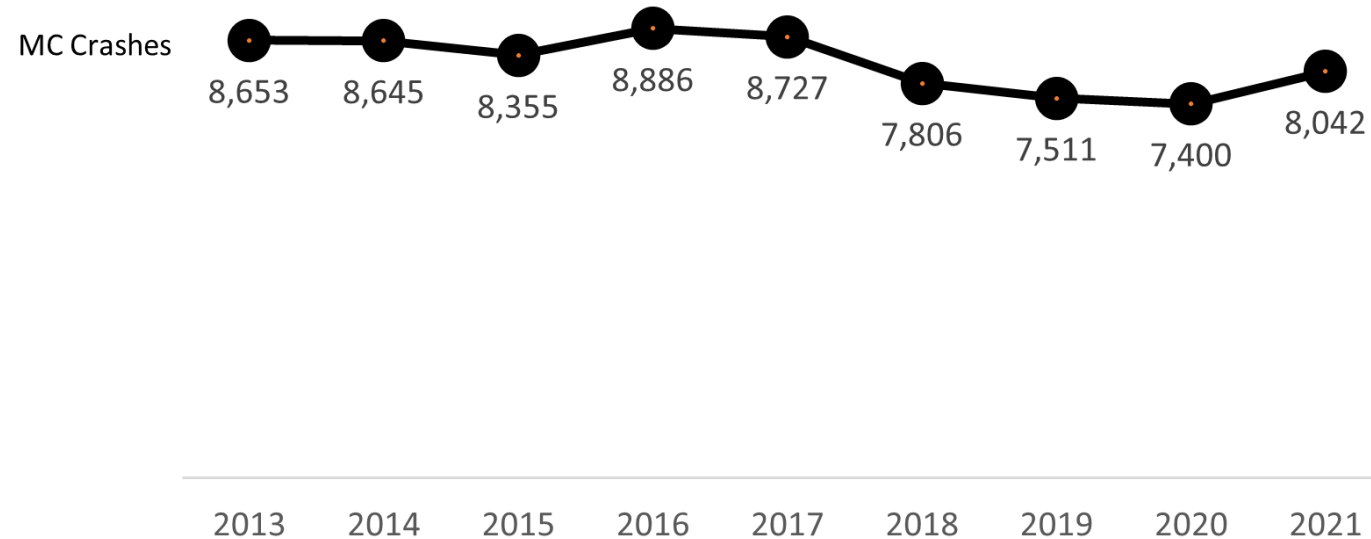Eva Shipp, PhD & Emily Martin, MS
Center for Transportation Safety
Texas A&M Transportation Institute

Motorcycle Crash Trends

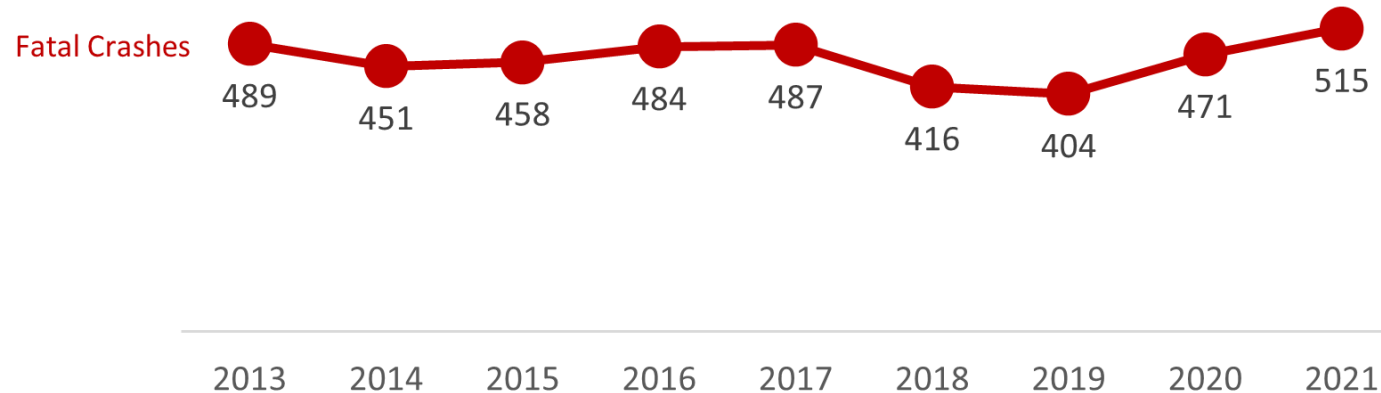74,025 motorcycles have been involved in crashes in Texas since 2013.

MC Crashes

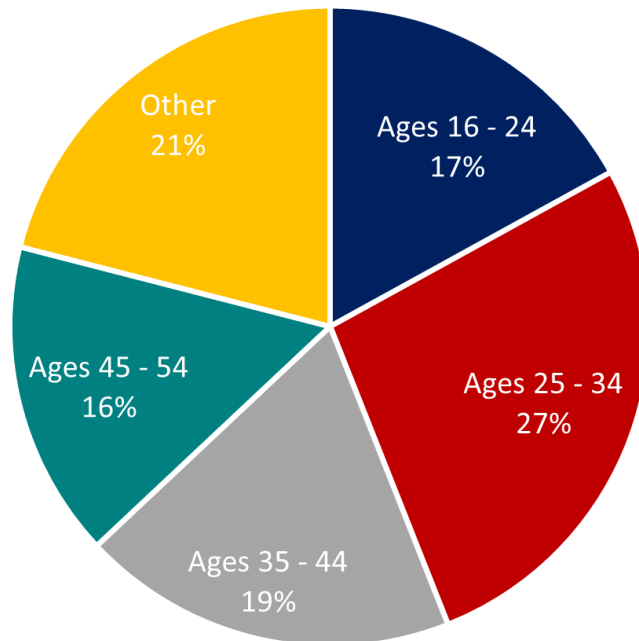| Year	Crashes
2013	8,653
2014	8,645
2015	8,355
2016	8,886
2017	8,727
2018	7,806
2019	7,511
2020	7,400
2021	8,042

Fatal Crash Trends

4,175 motorcycles have been involved in fatal crashes since 2013, resulting in 4,268 motorcyclist deaths.

Fatal Crashes

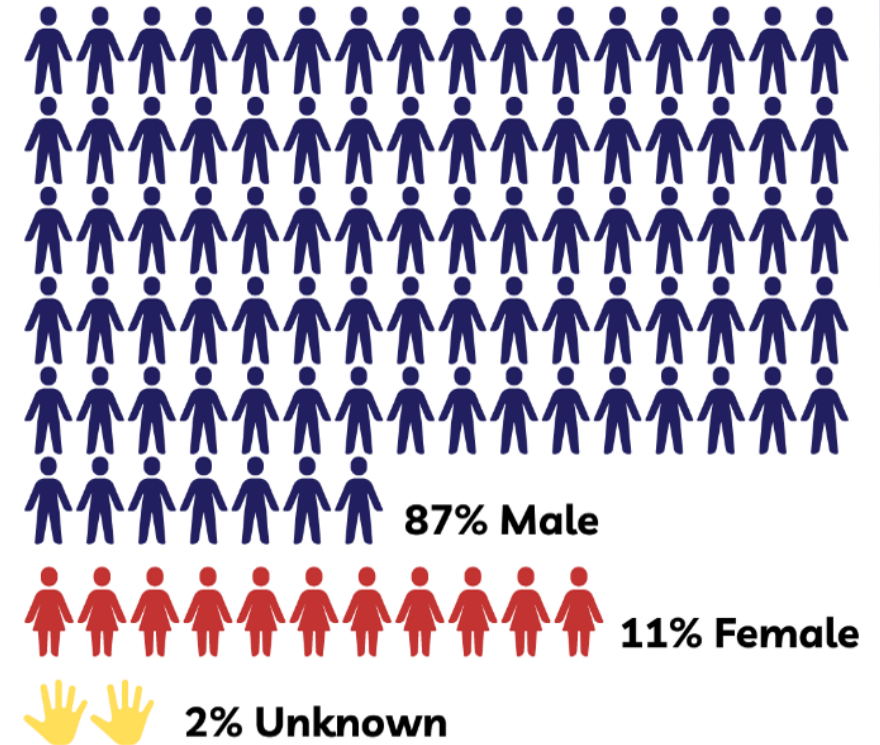| 2013	2014	2015	2016	2017	2018	2019	2020	2021
489	451	458	484	487	416	404	471	515

Who's involved?

While those between the ages of 25 - 34 are most frequently involved in crashes, all age groups are at risk.

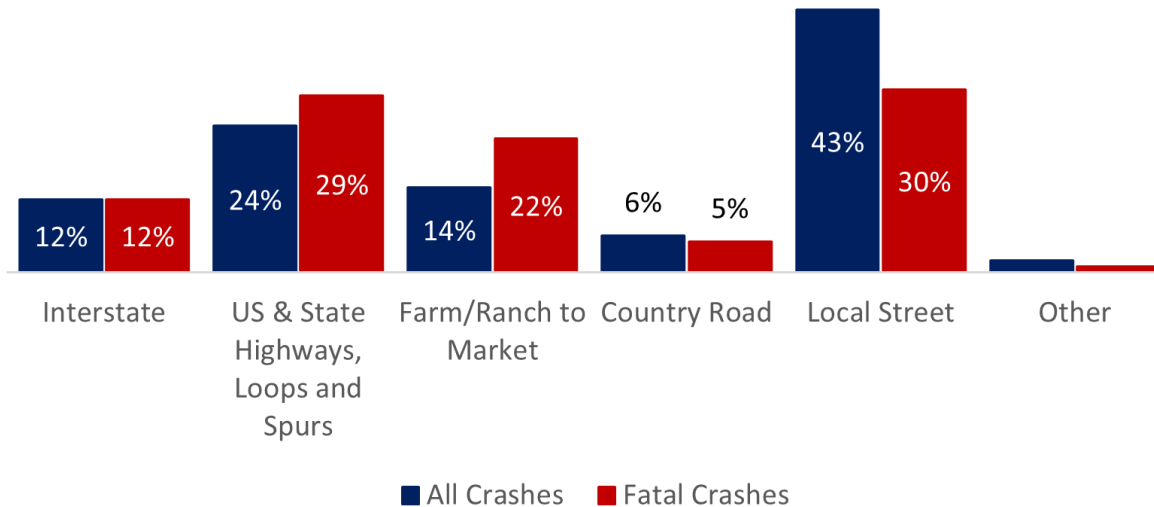Men were involved in the vast majority of MC crashes that occured in 2021
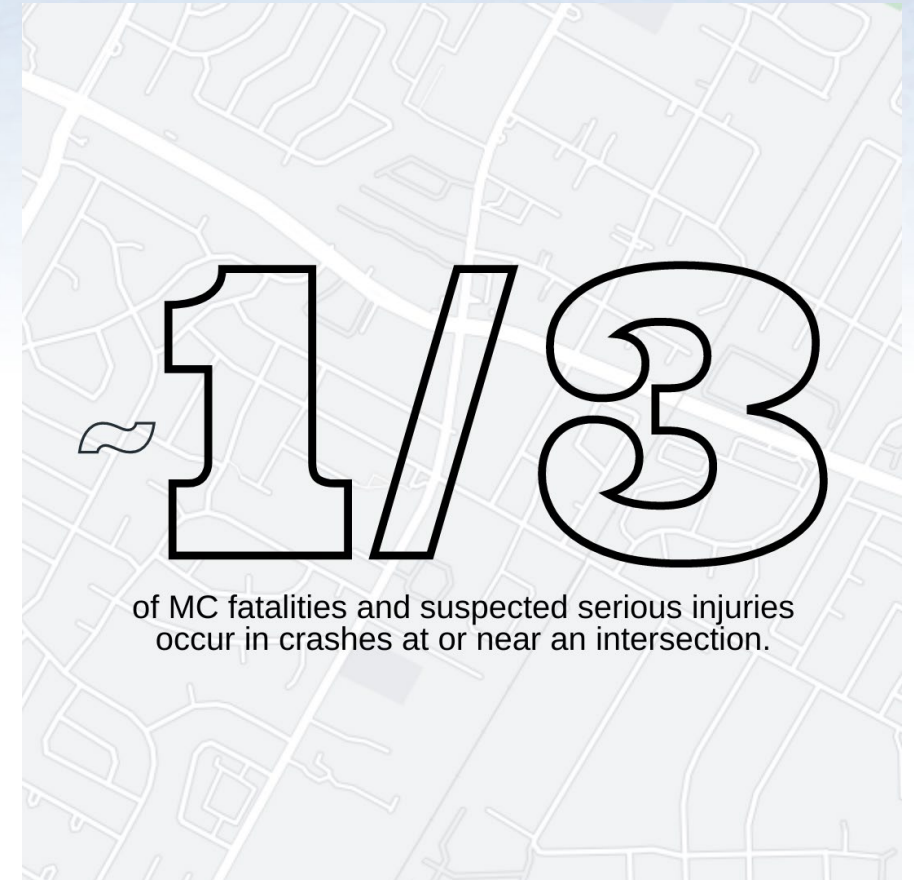

87% Male

11% Female

2% Unknown

Where are crashes happening?

MC crashes most often occur on city streets but crashes on higher speed roadways are more fatal.

	Interstate	US & State Highways, Loops and Spurs	Farm/Ranch to Market	Country Road	Local Street	Other
All Crashes	12%	24%	14%	6%	43%	
Fatal Crashes	12%	29%	22%	5%	30%	

■ All Crashes   ■ Fatal Crashes

Urban, 67%   Rural, 33%

~1/3 of MC fatalities and suspected serious injuries occur in crashes at or near an intersection.

Texas A&M Transportation Institute   Look Learn Live.org   Save a Life — Texas Department of Transportation   Texas Motorcycle Safety Coalition
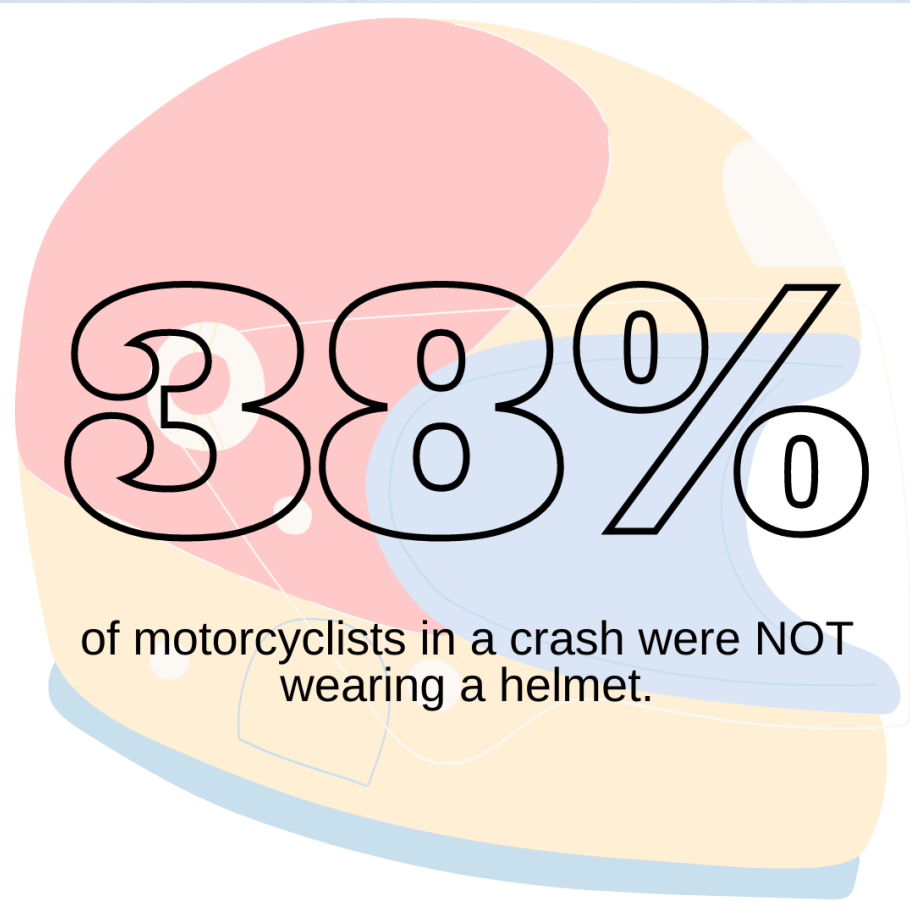
How many vehicles are involved?

- 56% of MC crashes involved two vehicles

- Multi-vehicle collisions most often occurred when at least one vehicle was:
  - Turning Left (19%)
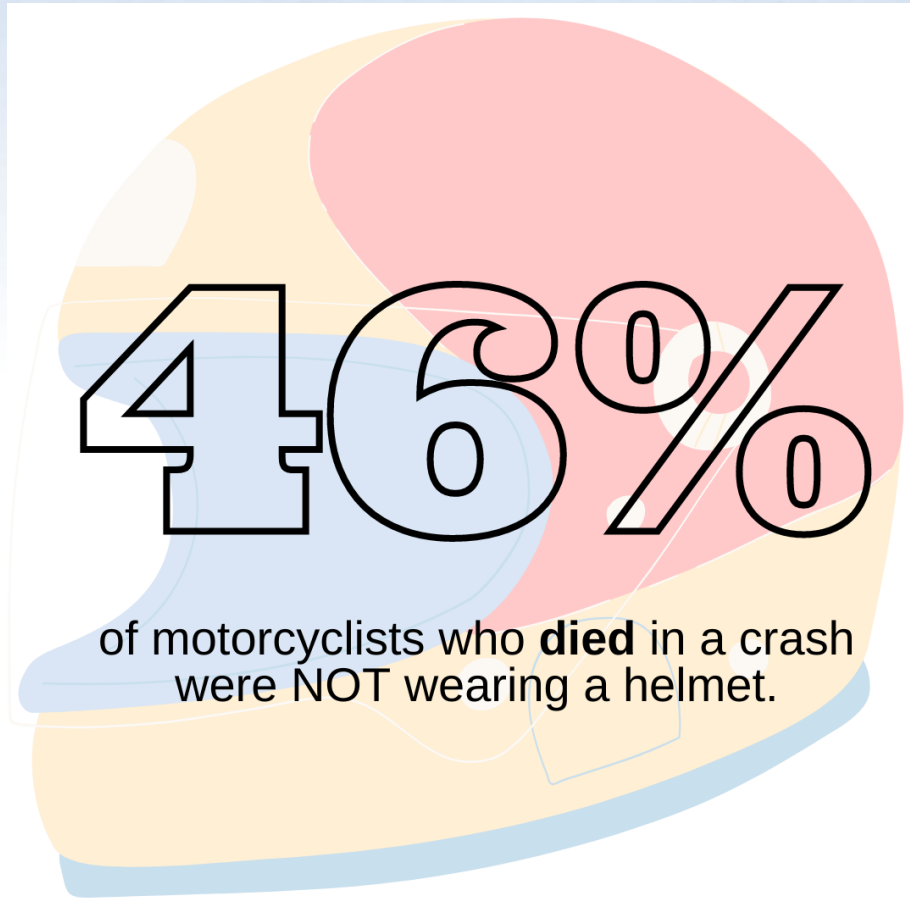 - Going Straight (10%)
  - Sideswipe (7%)

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Save a Life™
Texas Department of Transportation

Texas Motorcycle Safety Coalition

Are riders protecting themselves?

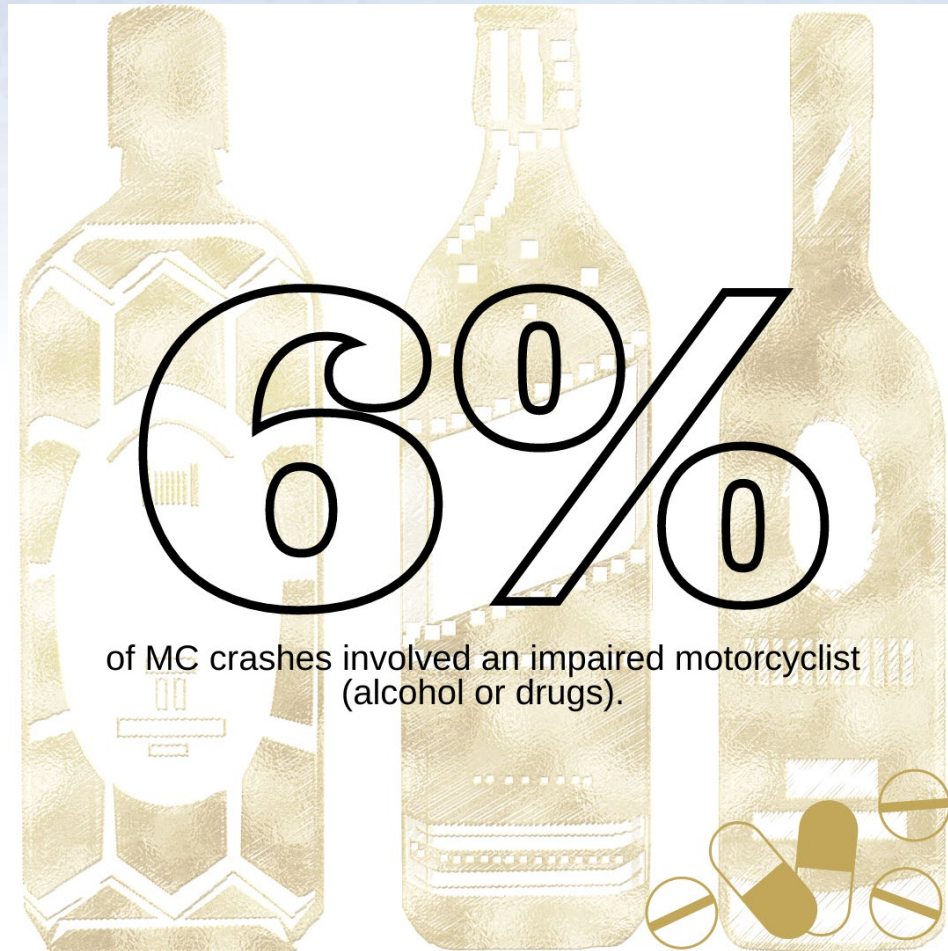**38%** of motorcyclists in a crash were NOT wearing a helmet.

46% of motorcyclists who **died** in a crash were NOT wearing a helmet.

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2022 Texas Motorcycle Safety Forum

Are riders impaired?

6%

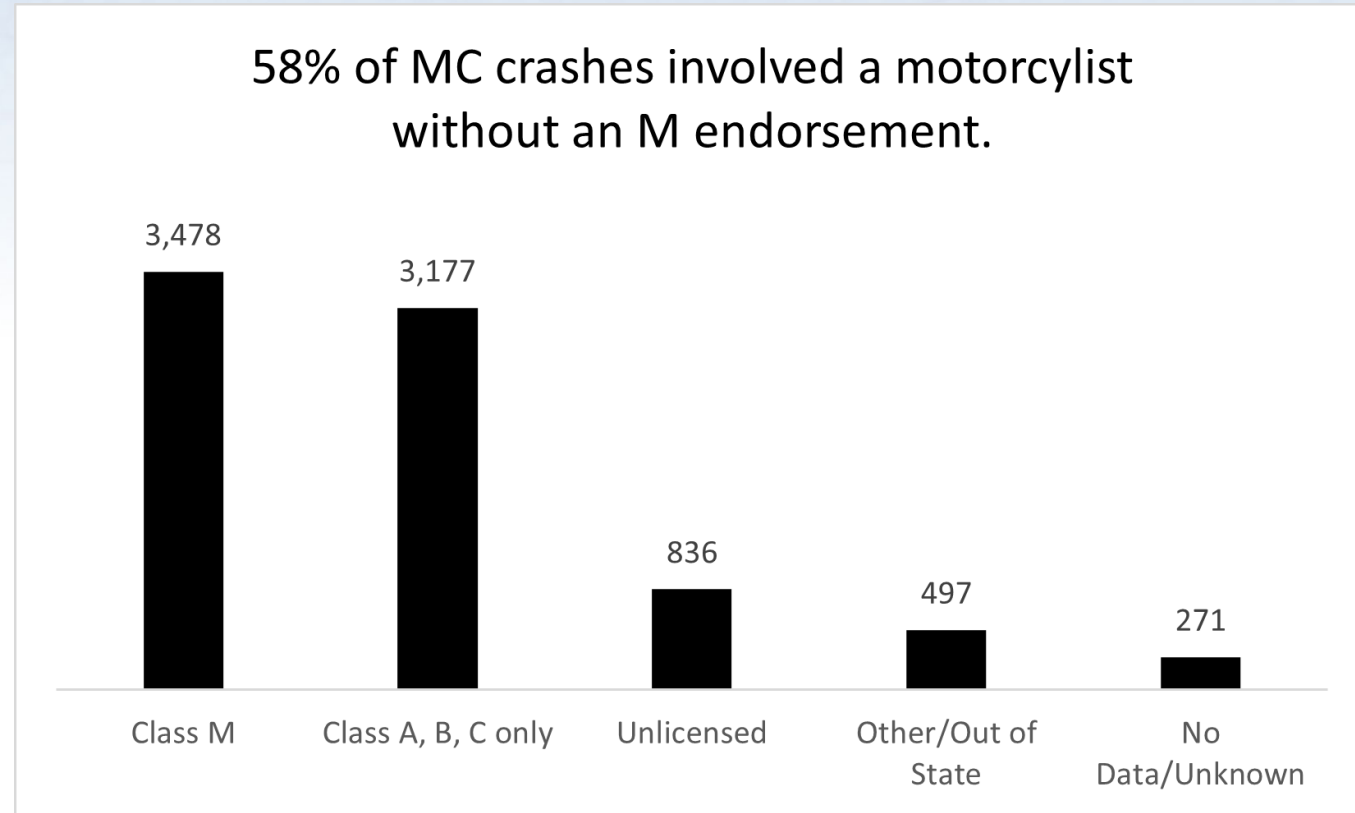of MC crashes involved an impaired motorcyclist (alcohol or drugs).

- Average BAC for a motorcyclist with a reported BAC greater than zero: .158
- Of motorcycle drivers with BAC of .08 or greater, the average test result was .172 (min: .08; max:.338)

Are riders going too fast?

- **10% of MC crashes involved speed (unsafe speed and speeding over limit)**

- **In half of these crashes, the motorcyclist ran off the road and struck a fixed object**

Do riders have their M license?

58% of MC crashes involved a motorcylist
without an M endorsement.

Class M	Class A, B, C only	Unlicensed	Other/Out of State	No Data/Unknown
3,478	3,177	836	497	271

Additional Resources

- **www.LookLearnLive.org** – standing reports

- **www.TexasTRCC.org** - TxDOT resource which helps to identify districts with over-representation for different types of crashes (MC coming soon)

- **2021 Motorcycle Data Presentation**

Questions?

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