

# Unlicensed to Ride:

Encouraging Riders to Get Training

Texas Motorcycle Safety Coalition  
September 3, 2021



# What's the Problem in Texas?

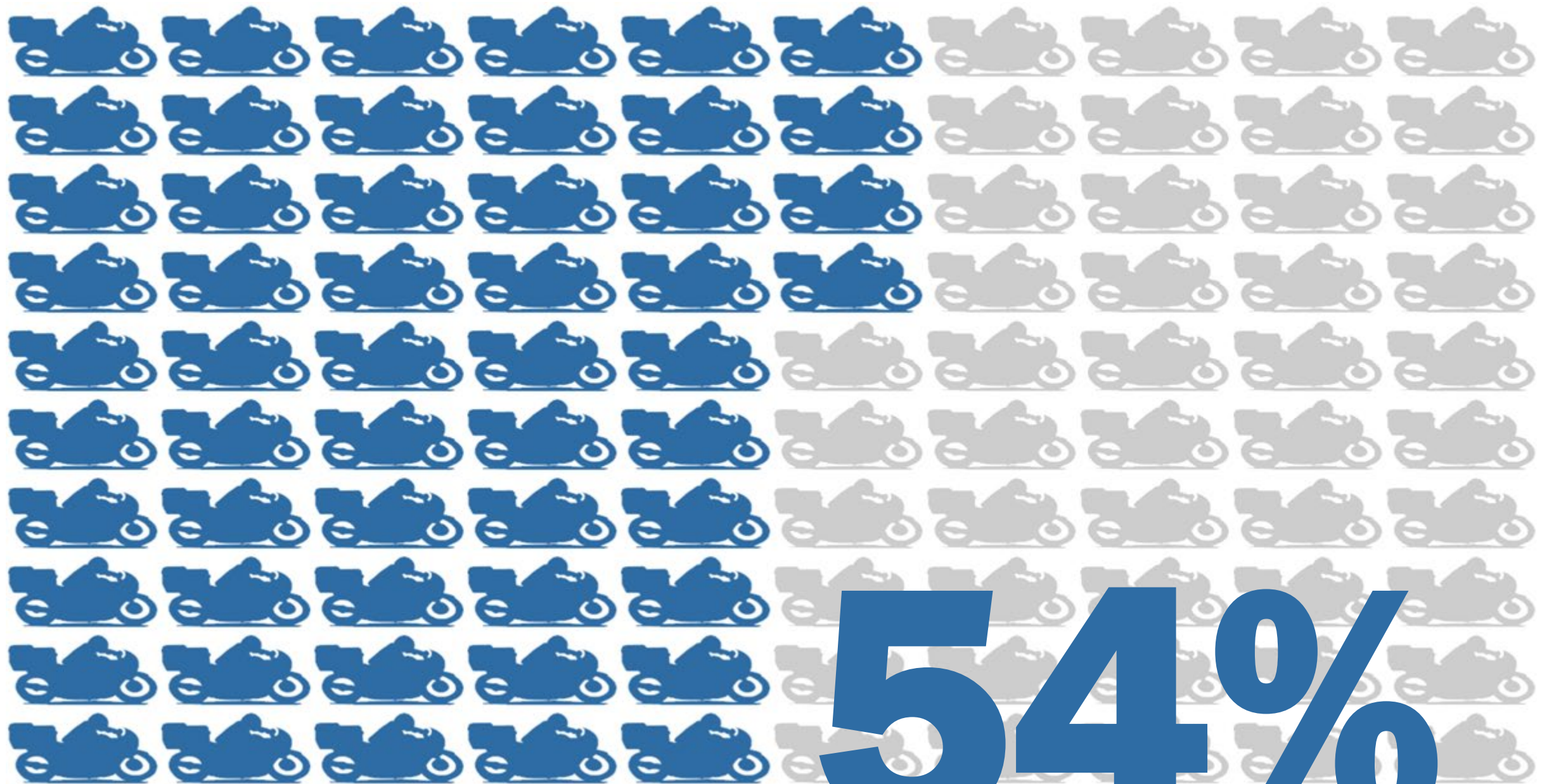


There were  
**456** motorcycle  
operator fatalities  
in 2020



# 245

were unlicensed  
at the time  
of the crash  
in 2020

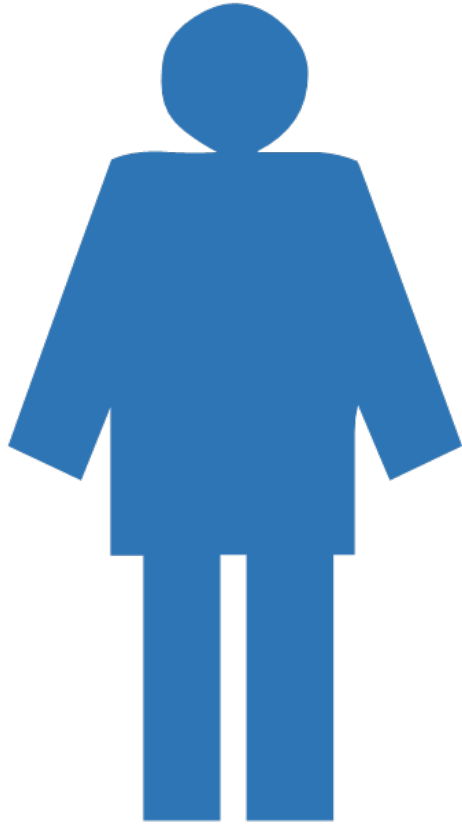


54%



**17%** of drivers  
killed in crashes in TX  
were **unlicensed**  
in 2020





96.3%

Male





48%

No Helmet





45.1%

Impaired



**.163 g/dL**

**Average BAC**



# What Can Help?





# TxDOT Project

- Interviews with States
- Data Analysis
- Focus Groups
- Survey
- Infographics



# 2020 Data Linkage

- TxDMV – Motorcycle registration
  - 339,076 registration records
- TxDPS – Class M Driver License
  - 1,160,890 Records
  - Arrived in two sets
  - One set included CM class
  - Second set included AM, BM, or only M classes
- The intent behind this data linkage was to identify registrations records that had no link to driver license records. The “unmatched” records.

# DPS Data Cleaning

- Address field split into street address number and street name
  - Street names would sometimes vary, but the numbers were usually accurate across both data bases
- All fields converted to lower case
- Spaces, hyphens, and other symbols were removed from name fields and city
- Family members with the same name & address were reduced to a single record due to linkage difficulty
- Started with 1,160,890
- Ended with 1,158,773



# DMV Data Cleaning

- Name was split into components (first, middle, last) to better match DPS data
- Names that were obviously out of order were re-ordered
- All fields were converted to lowercase
- Spaces, hyphens, and other symbols were removed from name fields and city
- Started with 339,076 records
- Ended with 293,685

Table 2: Elimination name and words in the TxDMV data.

Insurance	Dealers, Racing, Rentals	Other Agencies	Trusts	Other
Allstate	Auto	City	Family	American
Casualty	Auto sales	County	Irrevocable	Apple
Dairyland	Auto broker	DFW	Revocable	Bait
Farmers	Big boy	Fire	Trust	Caliente
Fred Loya	Cycle	Fleet	Trst	Capital
Geico	Cycles	Hospital		Cattle Co
Insurance	Champions for Life	Police		Company
Liberty	Ducati	Sheriffs		Concho Valley
Lone Star	Evolution	Texoma		DBA
Mutual	FCG	Transit		Quality
Nationwide	Gold Crowd			Contracting
Progressive	Gold Keg			Equipment
State Farm	Guardian of Harley-Davidson			Finance
	Longhorn			Financial
	Moto			Holdings

# Linkage

- Process began with 293,685 registration records
- Used the smaller DPS data set of AM, BM, or only M classes as a 'pilot test'
- Phase I: Hard Match
  - Matched 57% of the original registration records sample
- Phase II: Relaxed Match
  - Matched 14% of the original sample
- 29% of the original registration records sample left unmatched



# Post Processing

- Pre-processing erred on the side of caution
- Post processing was able to remove an additional 493 records that were deemed to be duplicates
- Final number of unmatched records was 84,277
- Total number of matched records was 207,040

# Send a postcard



CHECK OUT:

[HTTPS://WWW.TDLR.TEXAS.GOV/MOT/MOT.HTM](https://www.tdlr.texas.gov/mot/mot.htm)



Center for  
Transportation Safety  
Texas A&M Transportation Institute

3135 TAMU

College Station, TX 77843-3135

**You can't control what other drivers do on the road, but you can control your riding knowledge and skill. Get trained and get licensed.**

Last year, almost half the riders killed in motorcycle crashes in Texas were unlicensed. Whether you're new to riding or an experienced rider, there's a course for you to earn your motorcycle license.

**Take control of your safety by taking a motorcycle training course near you at <https://www.tdlr.texas.gov/mot/mot.htm>.**

*For more information about this safety message, visit [www.looklearnlive.org](http://www.looklearnlive.org)*



# FY2021 Mailing Campaign



CHECK OUT:  
[HTTPS://WWW.TDLR.TEXAS.GOV/MOT/FIN](https://www.tdlr.texas.gov/mot/find)



CHECK OUT:  
[HTTPS://WWW.TDLR.TEXAS.GOV/MOT/FIND-SCHOOLS.HTM](https://www.tdlr.texas.gov/mot/find-schools.htm)



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# FY2021 Mailing Campaign

- Currently being finalized
  - Unmatched 70,468 records (down from 84,277 records in previous year)
  - 4,997 had obtained their M license from the previous campaign
  - Represents about 5.9% increase in licensing
- COVID issues
- Michigan results
  - 4% reduction in year 1
  - 24% reduction by year 4

# Shout Outs!

## TTI PROJECT TEAM

- Cody Stewart
- Eva Ship
- Lingtao Wu
- Jake McDonald
- Marcie Perez
- Laura Higgins
- Troy Walden

## MY CONTACT INFORMATION

- C-Stewart@tti.tamu.edu

## CONTINUOUS SUPPORT & FEEDBACK

- Mona Lisa Fischer, Motorcycle Safety Program Manager, TxDOT
- Texas Motorcycle Safety Coalition (TMSC)