

2022 Crash Facts



TENNESSEE

# CRASH FACTS



Tennessee Highway Patrol  
TITAN Division Statistics Office  
Nashville, TN | [Stats.Safety@tn.gov](mailto:Stats.Safety@tn.gov)





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# DEER CRASHES

- THERE WERE **6,799** MOTOR VEHICLE CRASHES INVOLVING DEER.
- **402** TOTAL INJURIES.
- **79%** OCCURRED BETWEEN THE HOURS OF 5PM AND 7AM.

## DEER CRASHES IN RURAL AREAS



CRASHES IN RURAL AREAS WERE **1.7X** ↓ AS LIKELY TO INVOLVE A FATALITY OR SERIOUS INJURY.



Over  
**~~\$62,354,100~~** ↑  
in costs

\*National Safety Council, "Average Economic Cost by Injury Severity or Crash, 2021" online at <https://injuryfacts.nsc.org/all-injuries/costs/guide-to-calculating-costs/data-details/>, accessed 3/1/2024.



October



November



December

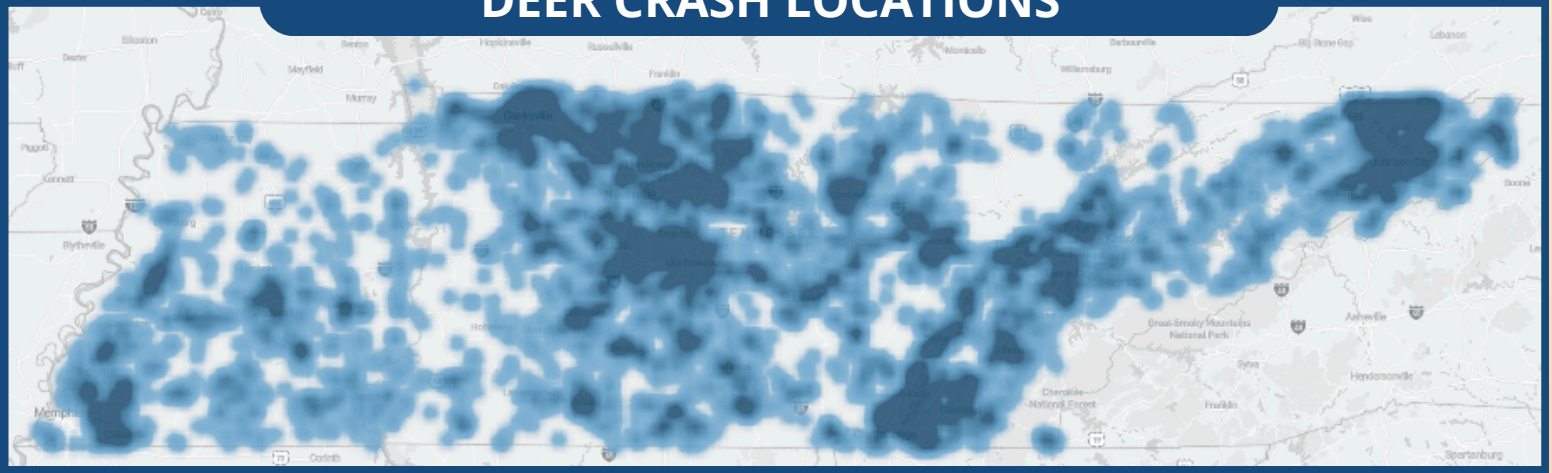
↑ **51%**

OF DEER CRASHES  
OCCURRED BETWEEN  
THE MONTHS OF  
OCTOBER - DECEMBER



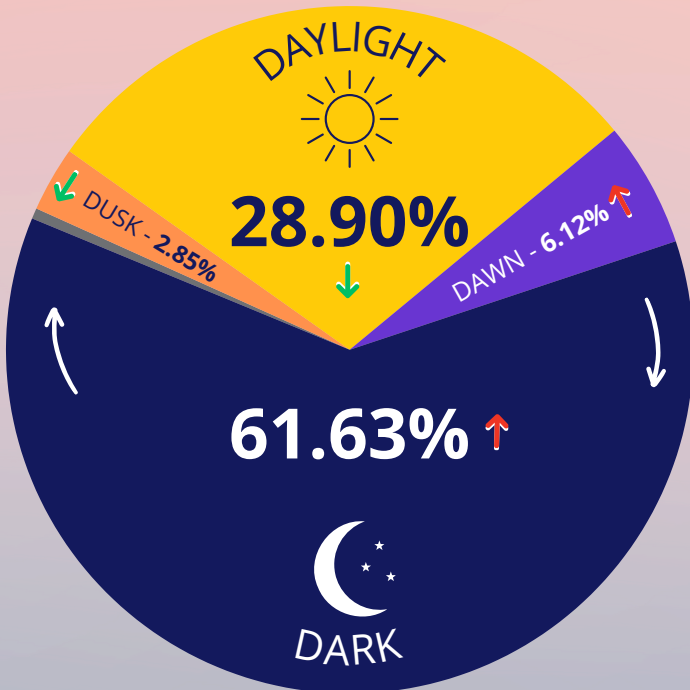
# DEER CRASHES

## DEER CRASH LOCATIONS



MAP COURTESY OF TDOT/AASHTOWARE

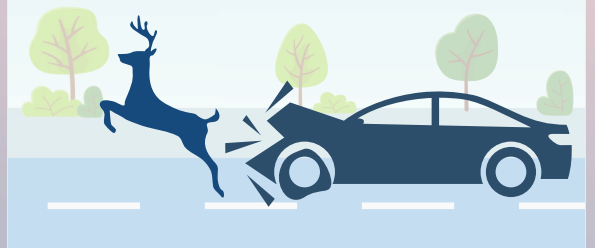
## LIGHTING CONDITION



OTHER/UNKNOWN - 0.50%

## VEHICLE DAMAGE

DISABLING DAMAGE	33.61%	↑
FUNCTIONAL DAMAGE	46.07%	↓
MINOR DAMAGE	18.61%	↓
NO DAMAGE	0.42%	↓
UNKNOWN	1.29%	↑





# IMPAIRED DRIVING

- **7,747** CRASHES INVOLVED AN IMPAIRED DRIVER.
- IMPAIRED DRIVING CRASHES WERE OVER **15X** AS LIKELY TO RESULT IN A FATALITY THAN CRASHES THAT DID NOT INVOLVE AN IMPAIRED DRIVER.



IMPAIRED  
DRIVERS WERE  
**4X** AS LIKELY TO SPEED



**11X** ↓  
AS LIKELY  
TO BE  
UNBELTED

## IMPAIRED DRIVING IN URBAN AREAS



**6X** ↓ AS LIKELY TO  
STRIKE A FIXED  
OBJECT

## IMPAIRED DRIVING IN RURAL AREAS



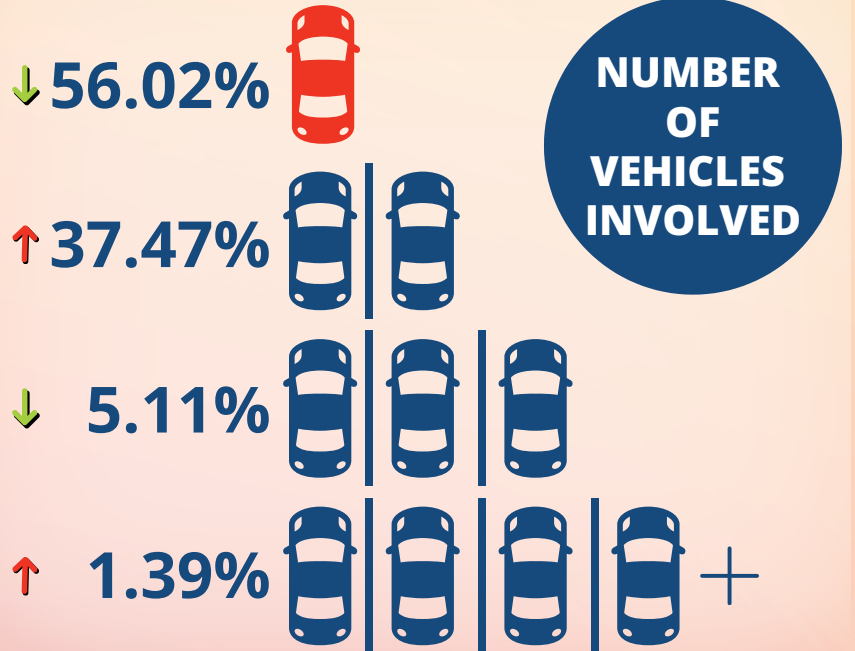
**1.9X** ↓ AS LIKELY  
TO HAVE A  
NON-COLLISION  
CRASH



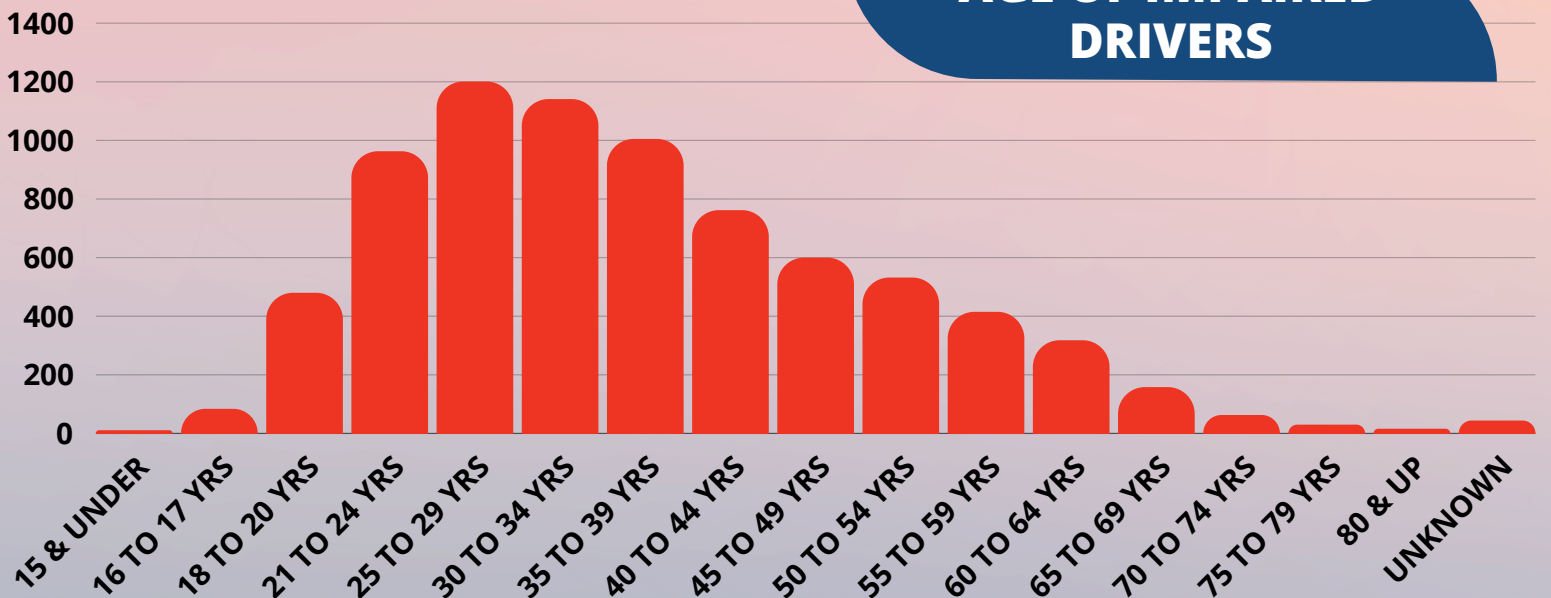


# IMPAIRED DRIVING

NEARLY **13%** OF FATAL CRASHES INVOLVED BOTH ALCOHOL AND DRUGS



## AGE OF IMPAIRED DRIVERS







# LARGE TRUCKS

- THERE WERE **14,130** TCA\* REPORTABLE CRASHES INVOLVING LARGE TRUCKS.
- THERE WERE **162** FATALITIES RESULTING FROM CRASHES INVOLVING LARGE TRUCKS.
- **ONE** IN **13** TCA\* REPORTABLE CRASHES INVOLVED A LARGE TRUCK.
- **ONE** IN **4** TCA\* REPORTABLE CRASHES INVOLVING A LARGE TRUCK OCCURRED ON AN INTERSTATE.
- **ONE** IN **8** HIGHWAY TRAFFIC FATALITIES RESULTED FROM A CRASH INVOLVING A LARGE TRUCK.

LARGE TRUCKS ARE  
**5.3%↓** LESS LIKELY TO  
CRASH AT NIGHT  
THAN OTHER VEHICLES.

6 P.M. - 6 A.M.

**9.5%↓** OF DAYTIME  
TCA\* REPORTABLE  
LARGE TRUCK  
CRASHES OCCURRED  
IN THE RAIN.

## LG TRUCK DRIVERS BY AGE

(25-44)

**6,042↑**

(45-64)

**5,953↓**

(UNKNOWN)

**1,361↓**

(16-24)

**887↑**

(65+)

**877↑**

\*TCA - TENNESSEE CODE ANNOTATED



# LARGE TRUCKS

**ONE PERSON WAS KILLED IN A CRASH INVOLVING A LARGE TRUCK EVERY 2 DAYS, 6 HOURS, 4 MINUTES, AND 27 SECONDS.**

## TOP 3 DRIVER CONDITIONS

### LARGE TRUCK DRIVERS

1. UNDER THE INFLUENCE DRUGS/ALCOHOL.
2. APPARENTLY FATIGUED.
3. APPARENTLY ASLEEP.

### OTHER DRIVERS

1. UNDER THE INFLUENCE DRUGS/ALCOHOL.
2. APPARENTLY FATIGUED.
3. ILLEGAL DRUG USE.

## INTERSECTION CRASHES

**1 IN 19  
CRASHES**

**INVOLVED A LG TRUCK**

**1 IN 6  
LG TRUCK  
CRASHES**

**MANEUVER - TURNING LEFT**

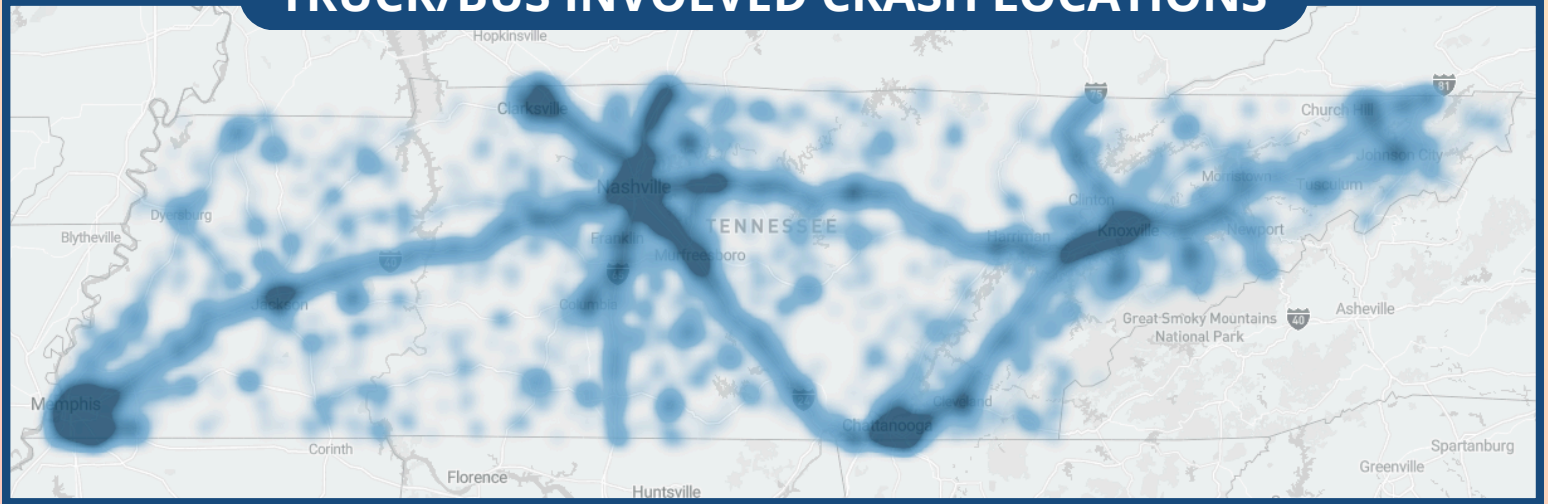
**1 IN 3  
LG TRUCK  
CRASHES**

**FAILED TO YIELD OR  
TURNED IMPROPERLY**



# LARGE TRUCKS

## TRUCK/BUS INVOLVED CRASH LOCATIONS



MAP COURTESY OF TDOT/AASHTOWARE

## TOP 3 DRIVER ACTIONS

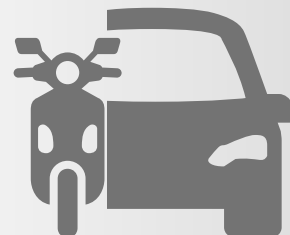
### LARGE TRUCK DRIVERS

1. FAILURE TO KEEP IN PROPER LANE.
2. FOLLOWING IMPROPERLY.
3. IMPROPER LANE CHANGING.



### OTHER DRIVERS

1. FAILURE TO YIELD RIGHT OF WAY.
2. FOLLOWING IMPROPERLY.
3. FAILURE TO KEEP IN PROPER LANE.

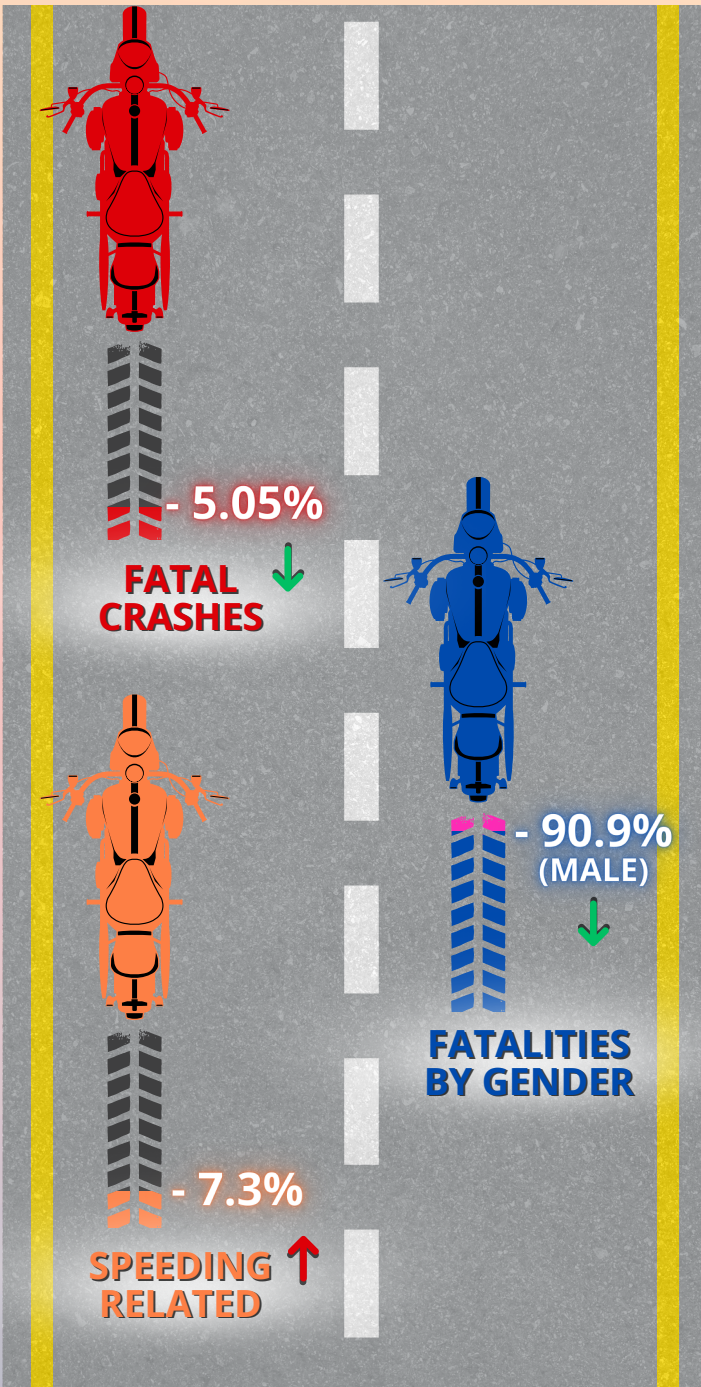






# MOTORCYCLE

- 2,929 Motorcycle crashes.
- Motorcycle riders were nearly **5.2x** as likely to be killed or injured in a crash than passenger vehicle occupants.



Impairment was Involved in **6.5%** ↓ of Crashes





# MOTORCYCLE

## MOTORCYCLE CRASHES IN URBAN AREAS



About **2 out of 3** <sup>↑</sup> motorcycle crashes occurred in urban areas.

## MOTORCYCLE CRASHES IN RURAL AREAS

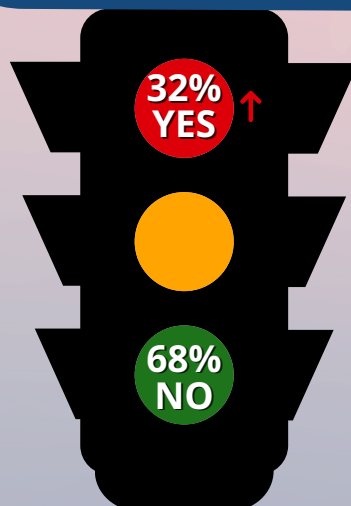


Rural areas were **41%** <sup>↓</sup> more likely to involve a fatality or serious injury.

## TOP 5 MOST HARMFUL EVENTS



## INTERSECTION INVOLVED



**71.4%** <sup>↑</sup> of motorcycle crashes occurred during daylight.

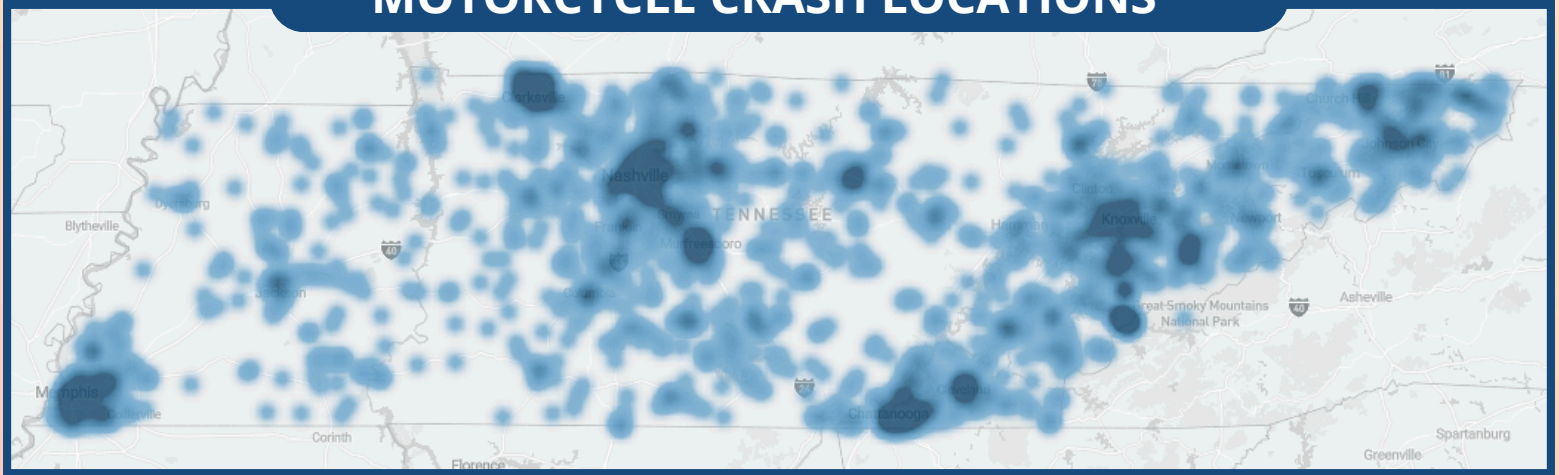
Motorcycle crashes in the dark were **1.6x** <sup>↑</sup> as likely to result in a fatality.





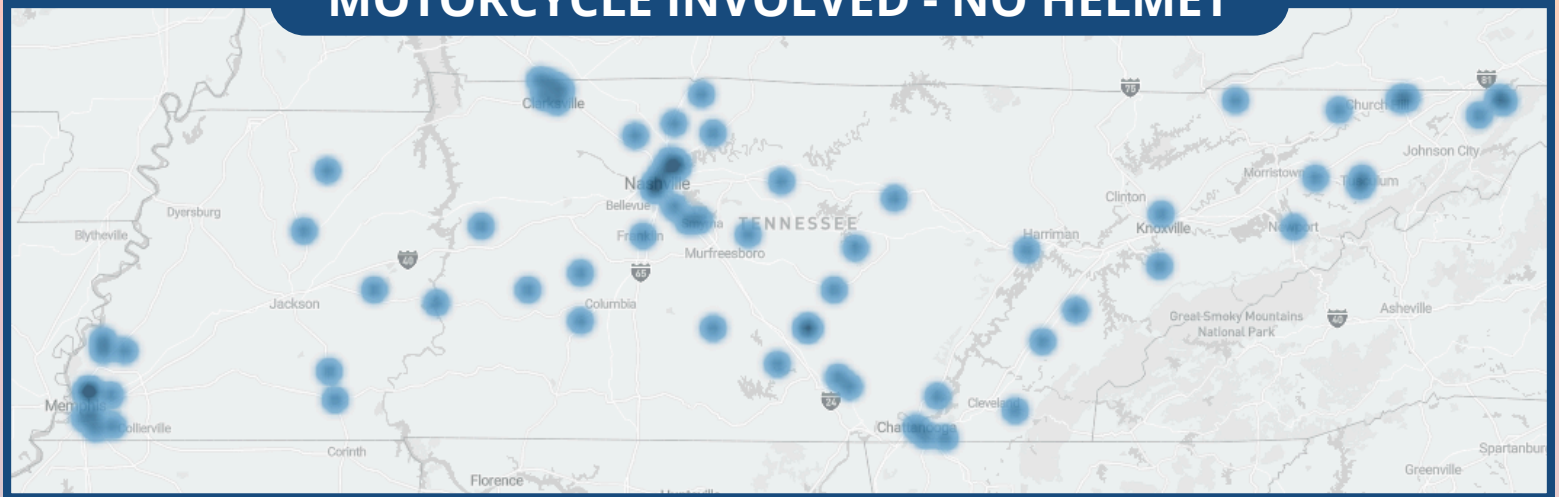
# MOTORCYCLE

## MOTORCYCLE CRASH LOCATIONS



Map courtesy of TDOT/AASHTOWare

## MOTORCYCLE INVOLVED - NO HELMET



Map courtesy of TDOT/AASHTOWare

# LOOK TWICE

FOR MOTORCYCLES

TENNESSEE HIGHWAY SAFETY OFFICE



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Nashville, TN | [Stats.Safety@tn.gov](mailto:Stats.Safety@tn.gov)



# NON-MOTORIST

## NON-MOTORIST CRASHES IN URBAN AREAS



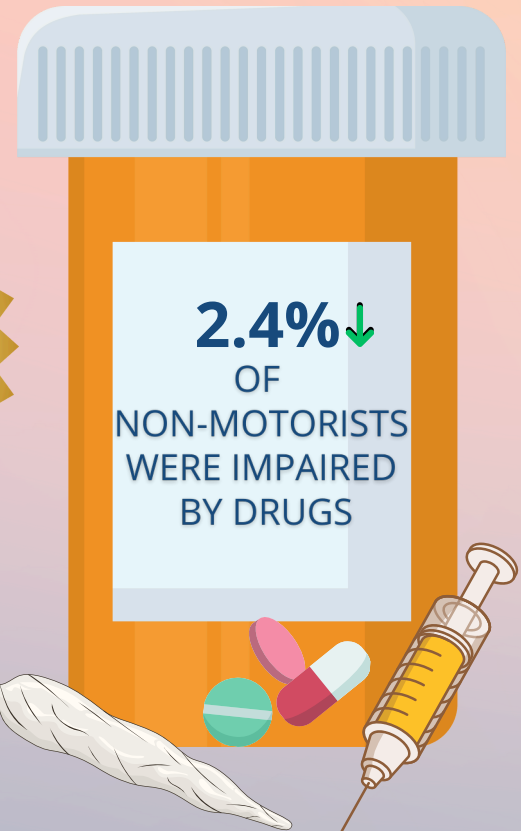
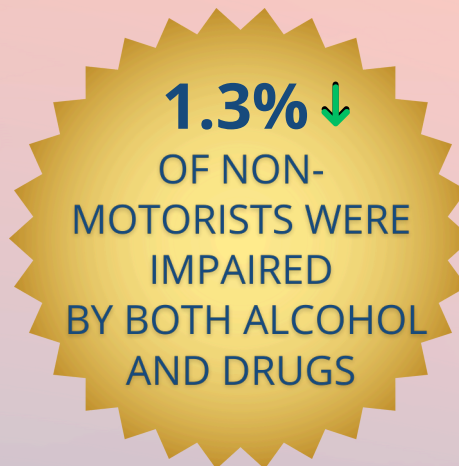
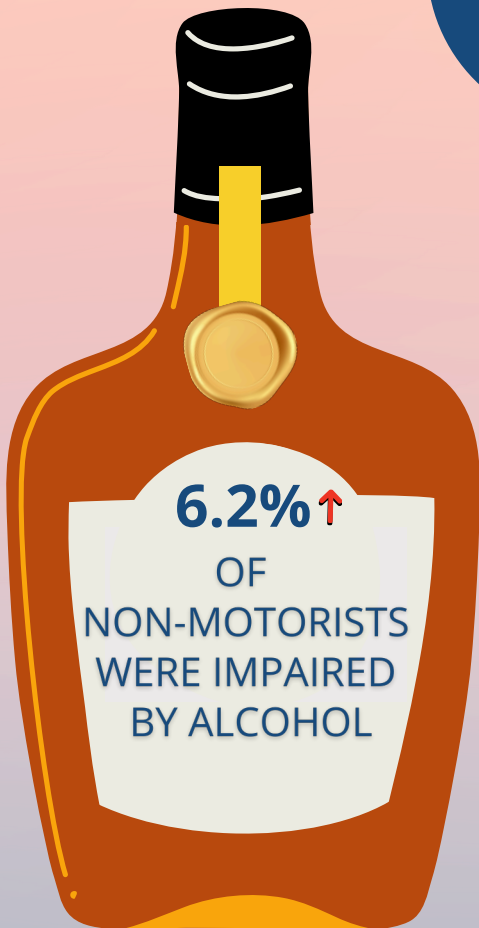
**90% ↑** OF  
NON-MOTORISTS  
WERE STRUCK IN  
URBAN AREAS.

## NON-MOTORIST CRASHES IN RURAL AREAS



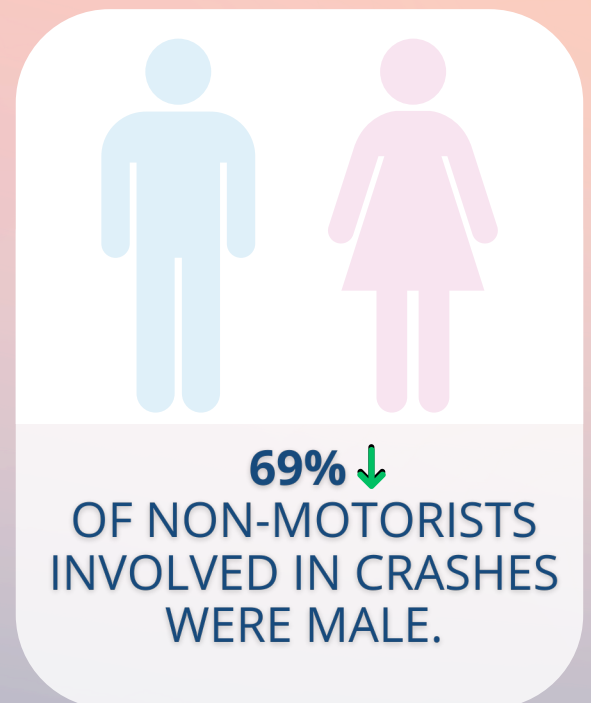
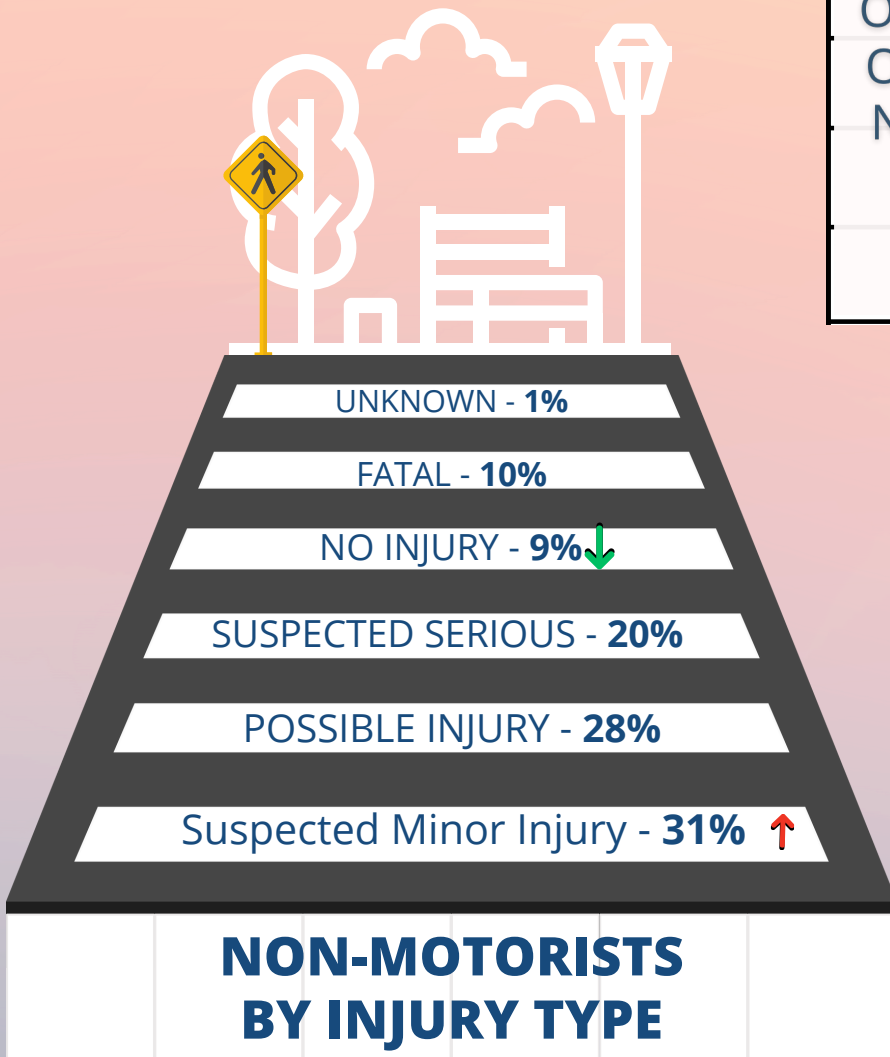
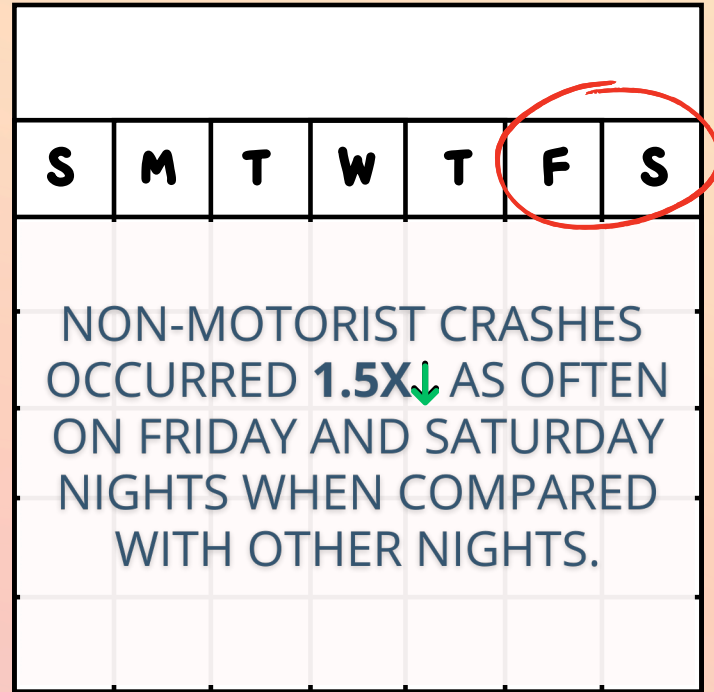
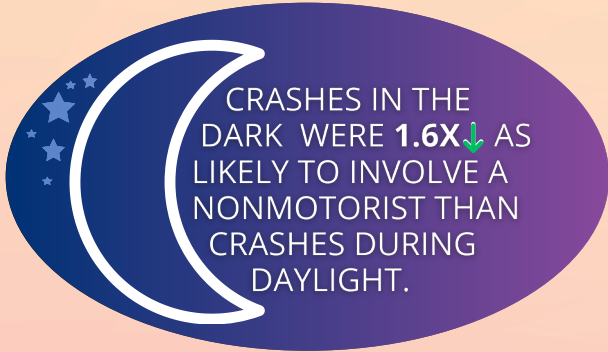
**1.3X ↓** AS LIKELY  
TO BE KILLED OR  
SERIOUSLY  
INJURED.

## NON-MOTORIST IMPAIRMENT





# NON-MOTORIST

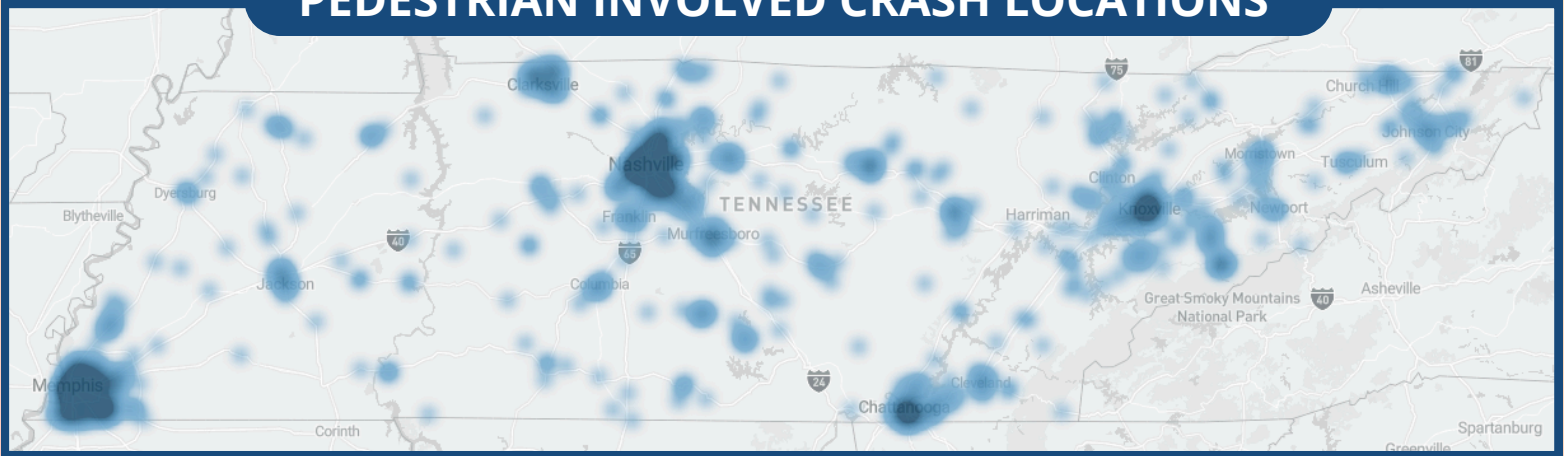






# NON-MOTORIST

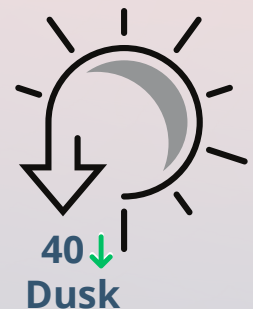
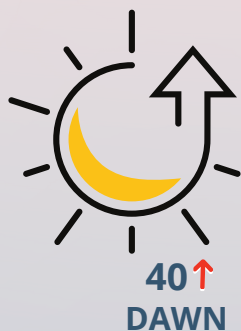
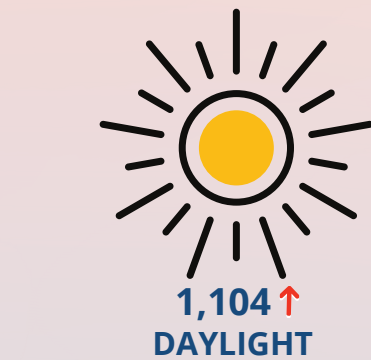
## PEDESTRIAN INVOLVED CRASH LOCATIONS



MAP COURTESY OF TDOT/AASHTOWARE

## LIGHTING CONDITION

**2,166↑ Crashes**





# OLDER DRIVER 65+

## OLDER DRIVER CRASHES IN URBAN AREAS



NEARLY **92%** ↓ OF URBAN CRASHES INVOLVED ANOTHER VEHICLE.

## OLDER DRIVER CRASHES IN RURAL AREAS

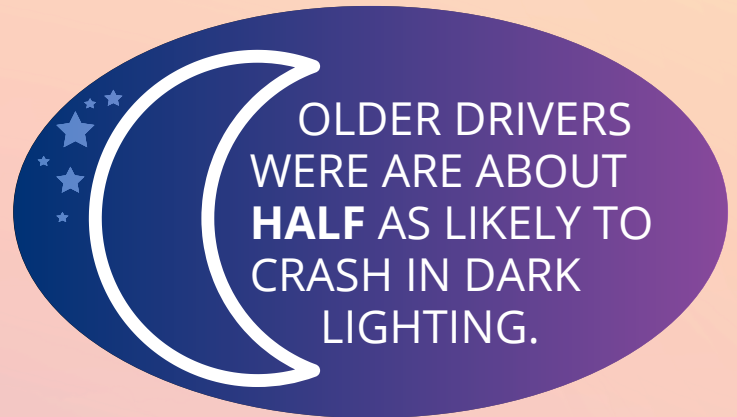


OLDER DRIVERS WERE **77%** MORE LIKELY TO BE SPEEDING IN RURAL AREAS THAN IN URBAN AREAS.

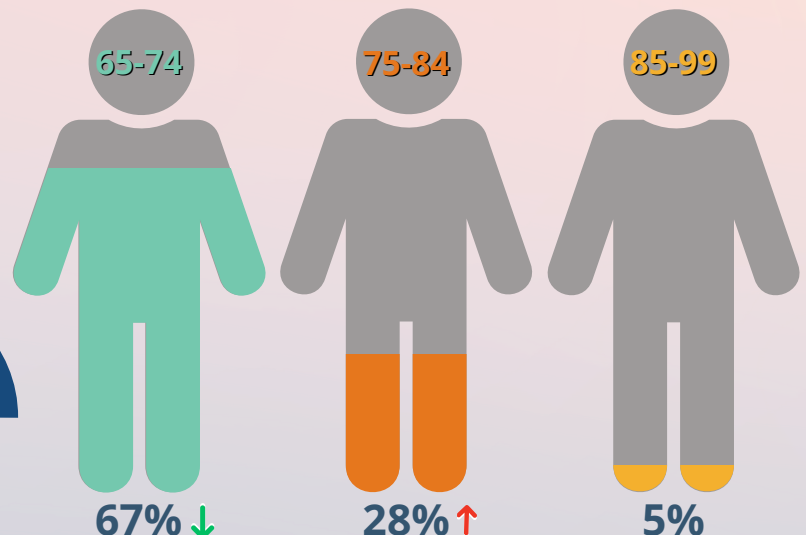
OLDER DRIVERS WERE ABOUT **26%** LESS LIKELY TO CRASH DURING POOR WEATHER CONDITIONS.



OLDER DRIVERS WERE ARE ABOUT **HALF** AS LIKELY TO CRASH IN DARK LIGHTING.



## DRIVERS BY AGE GROUP







# OLDER DRIVER 65+

## TOP 5 DRIVER FACTORS OF FATAL AND SERIOUS INJURY CRASHES

FAILURE TO KEEP IN PROPER LANE **195**

FAILURE TO YIELD RIGHT OF WAY **194**

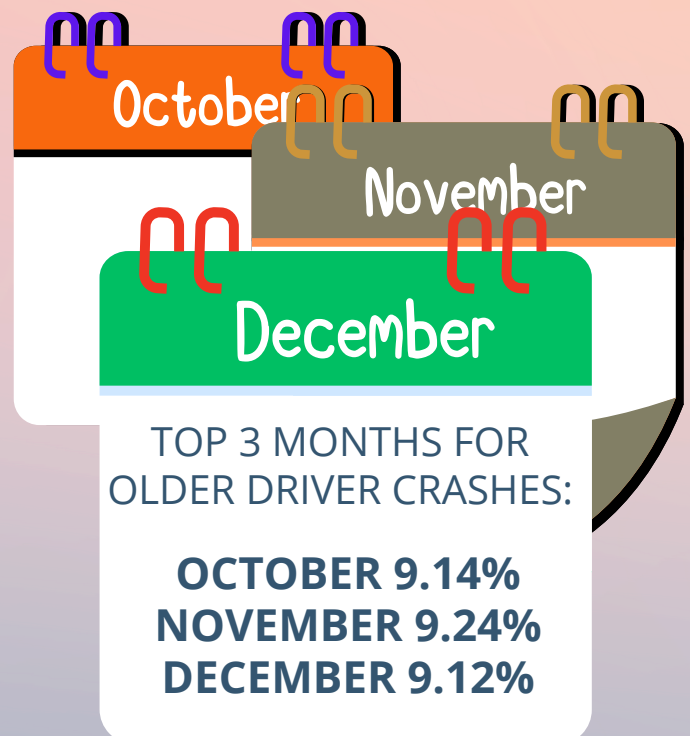
DISTRACTED **37**

FAILURE TO OBEY TRAFFIC CONTROLS **31**

SPEEDING **26**



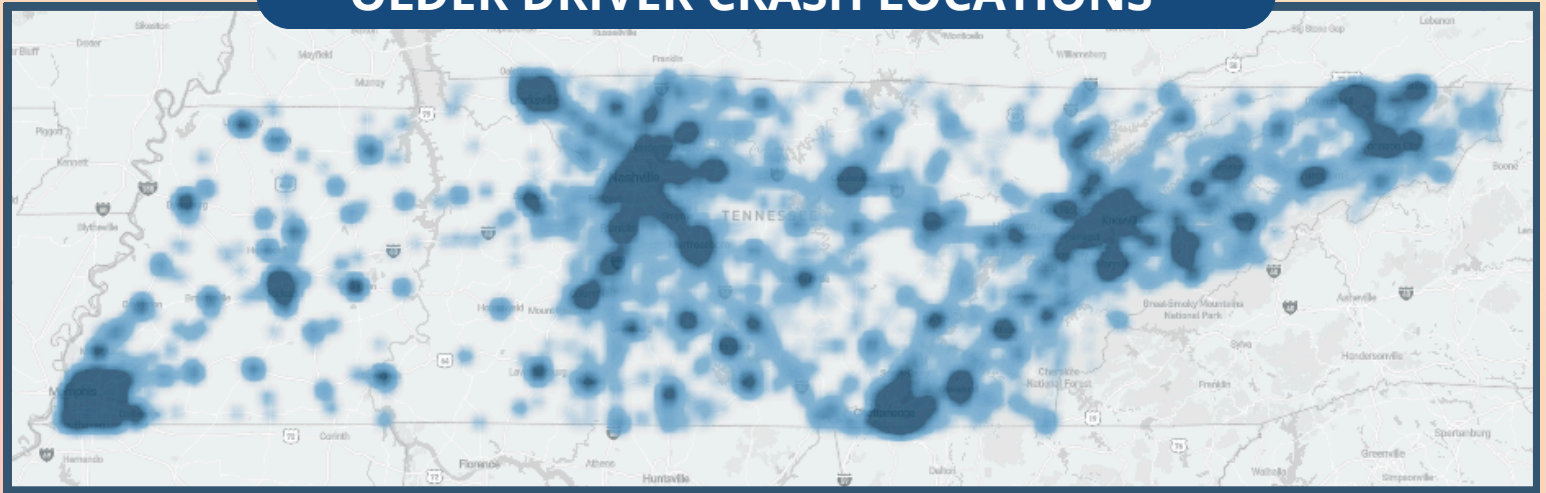
S	M	T	W	T	F	S
50% OF CRASHES INVOLVING AN OLDER DRIVER OCCURRED WEDNESDAY - FRIDAY.						





# OLDER DRIVER 65+

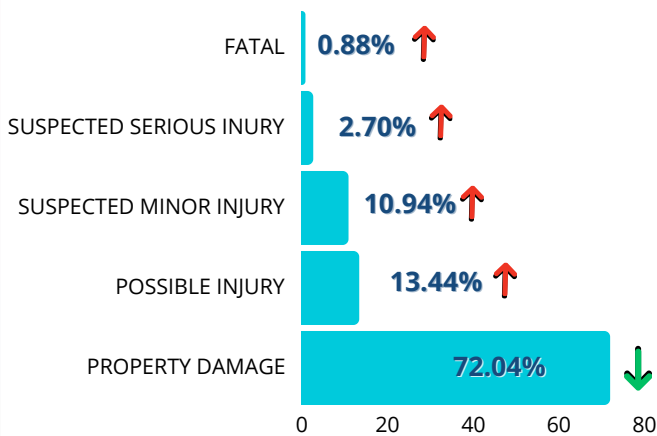
## OLDER DRIVER CRASH LOCATIONS



MAP COURTESY OF TDOT/AASHTOWARE



### CRASH TYPE



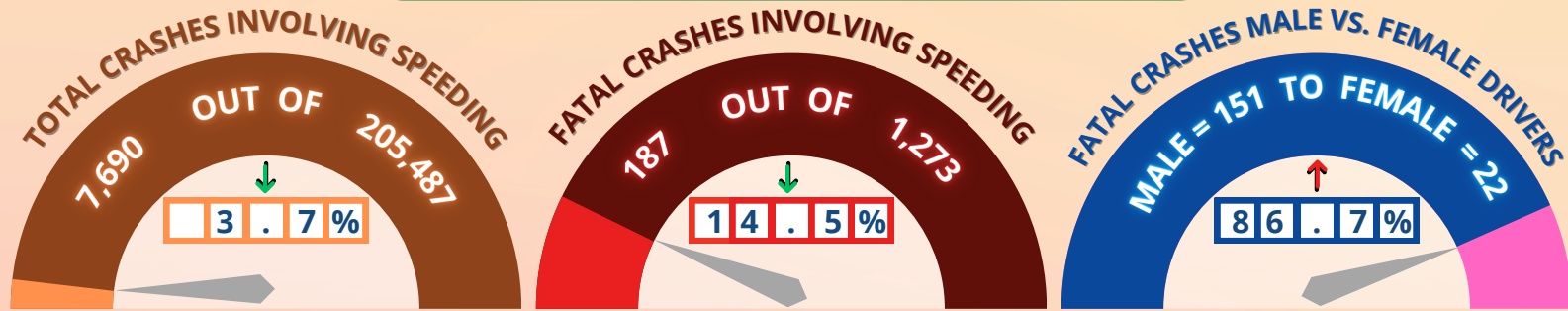
OLDER DRIVERS IN CRASHES WERE **5X** AS LIKELY TO BE HEARING-IMPAIRED THAN OTHER DRIVERS IN CRASHES.



OLDER DRIVERS WERE NEARLY **TWICE** AS LIKELY TO BE ILL OR SICK IN CRASHES.



# SPEEDING



- There were **7,690** crashes involving speeding.
- Speeding crashes were **4.4x** as likely to cause a fatality than non-speeding crashes.
- **79%** of speeding crashes were not on an interstate.
- Drunk drivers were **4.2x** as likely to speed than sober drivers.

**2 IN 9**  
SPEEDING RELATED  
CRASHES OCCURRED  
IN DAYLIGHT IN  
THE RAIN.

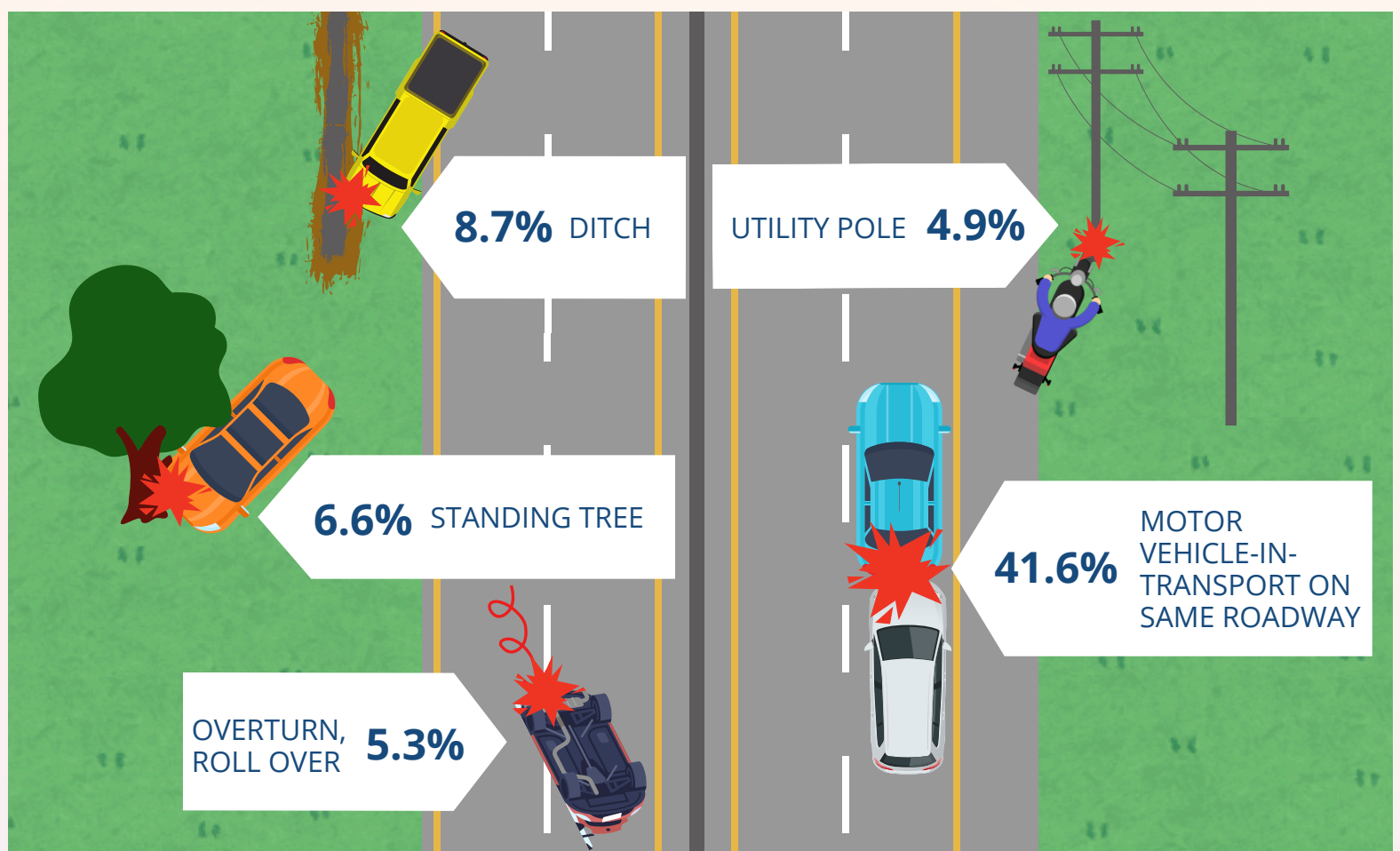


**25**  
SPEEDING DRIVERS  
WERE **2X**  AS  
LIKELY TO BE  
UNDER THE AGE  
OF 25.



# SPEEDING

## TOP 5 FIRST HARMFUL EVENTS WHERE SPEEDING WAS A FACTOR



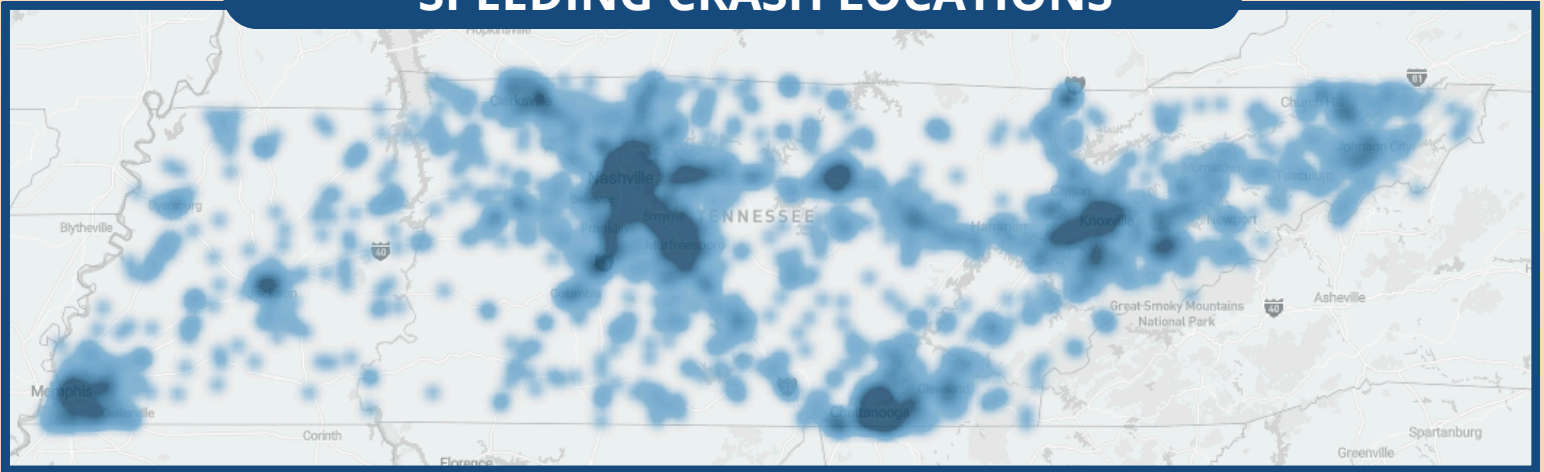
Crashes at night were **1.4x** as likely to involve a speeding driver as daytime crashes.





# SPEEDING

## SPEEDING CRASH LOCATIONS



MAP COURTESY OF TDOT/AASHTOWARE

\*SPEEDING CRASH LOCATIONS ARE WHERE DRIVER ACTIONS SPEEDING TOO FAST FOR CONDITION, EXCEEDING POSTED SPEED LIMIT AND/OR RACING WAS INDICATED.

### SPEEDING IN URBAN AREAS



Speeding Crashes in urban areas were **2.2x** as likely to involve a motorcycle.

### SPEEDING IN RURAL AREAS



Speeding Crashes in rural areas were **60%↓** more likely to involve a teen driver.

**SLOW DOWN**  
**TENNESSEE**  
TENNESSEE HIGHWAY SAFETY OFFICE

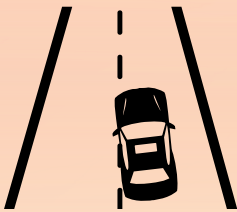




# TEEN DRIVER 13-19

- There were 29,691 teen drivers involved in crashes.

## TOP FACTORS



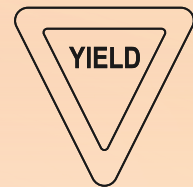
FAILURE TO KEEP IN PROPER LANE

**11.27%** ↑



FOLLOWING IMPROPERLY

**18.15%** ↓



FAILURE TO YIELD RIGHT OF WAY

**19.11%** ↓

## TEEN DRIVER CRASHES IN URBAN AREAS



ABOUT **77%** OF TEEN CRASHES OCCURED IN URBAN AREAS.

## TEEN DRIVER CRASHES IN RURAL AREAS



TEENS WERE OVER **TWICE** AS LIKELY TO BE SPEEDING IN RURAL AREAS.

## DRIVERS BY AGE

AGE OF DRIVER

13-15

16

17

18

19

% OF DRIVERS

**2.33%** ↑

**17.84%** ↑

**22.82%** ↑

**28.42%** ↓

**28.59%** ↓



# TEEN DRIVER 13-19

May

THE HIGHEST  
NUMBER OF CRASHES  
OCCURRED IN THE  
MONTH OF  
**MAY.**

S	M	T	W	T	F	S

THE HIGHEST  
NUMBER OF CRASHES  
OCCURRED ON A  
**FRIDAY.**

ABOUT  
**27.9%** OF  
CRASHES  
OCCURRED  
BETWEEN  
3 AND 5 PM

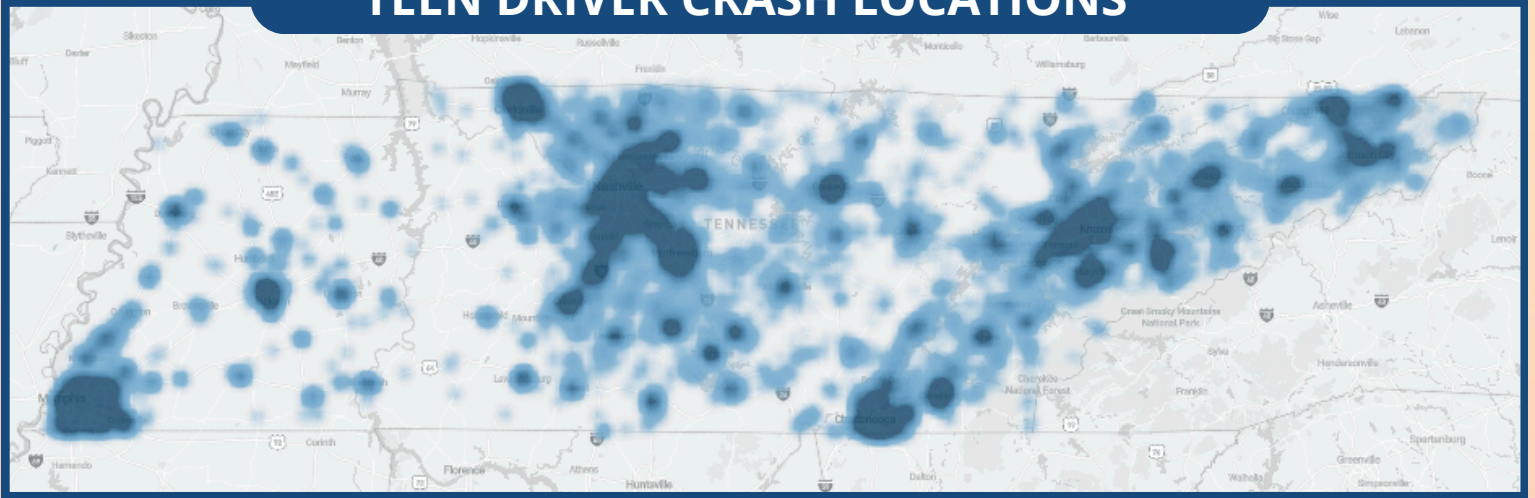
## DRIVER LICENSE

**11%** ↑  
OF TEEN DRIVERS IN  
CRASHES DID NOT  
HAVE A VALID  
LICENSE.



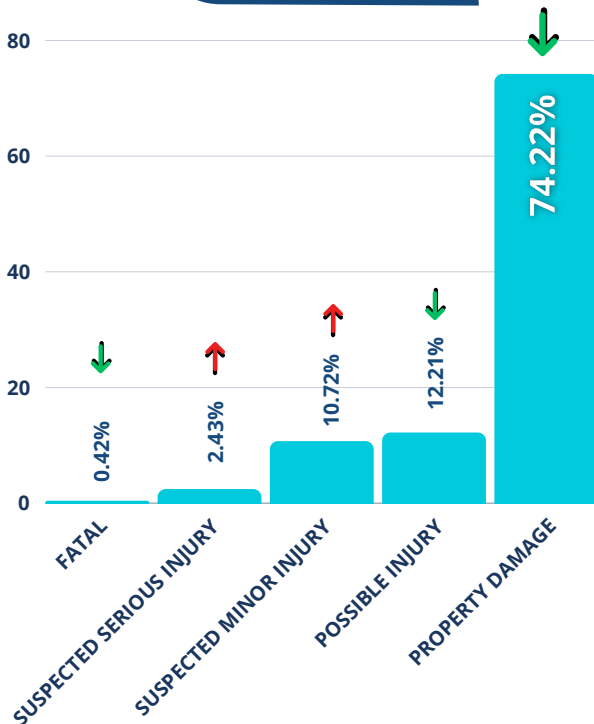
# TEEN DRIVER 13-19

## TEEN DRIVER CRASH LOCATIONS



Map courtesy of TDOT/AASHTOWare

### CRASHES TYPE



TEEN DRIVERS WITH 3 OR MORE TEEN PASSENGERS WERE OVER **3.5X** AS LIKELY TO BE INVOLVED IN A FATAL CRASH.





# UNBELTED INJURIES

PASSENGER CARS

93.1% ↑

VANS

89.7% ↓

SUV

96.0% ↑

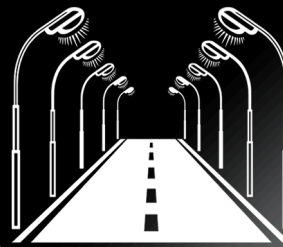
PICKUP TRUCKS

80.6% ↓

**TN  
SEATBELT  
USAGE  
RATES**

Source: University of Tennessee Center for Transportation Research, Annual Surveys of Safety Belt and Motorcycle Helmet Usage.

## UNBELTED OCCUPANTS IN URBAN AREAS



URBAN CRASHES WERE **51%** MORE LIKELY TO INVOLVE AN UNBELTED OCCUPANT AT NIGHT.

## UNBELTED OCCUPANTS IN RURAL AREAS



RURAL CRASHES WERE **2.3X** ↓ AS LIKELY TO INVOLVE AN UNBELTED OCCUPANT.

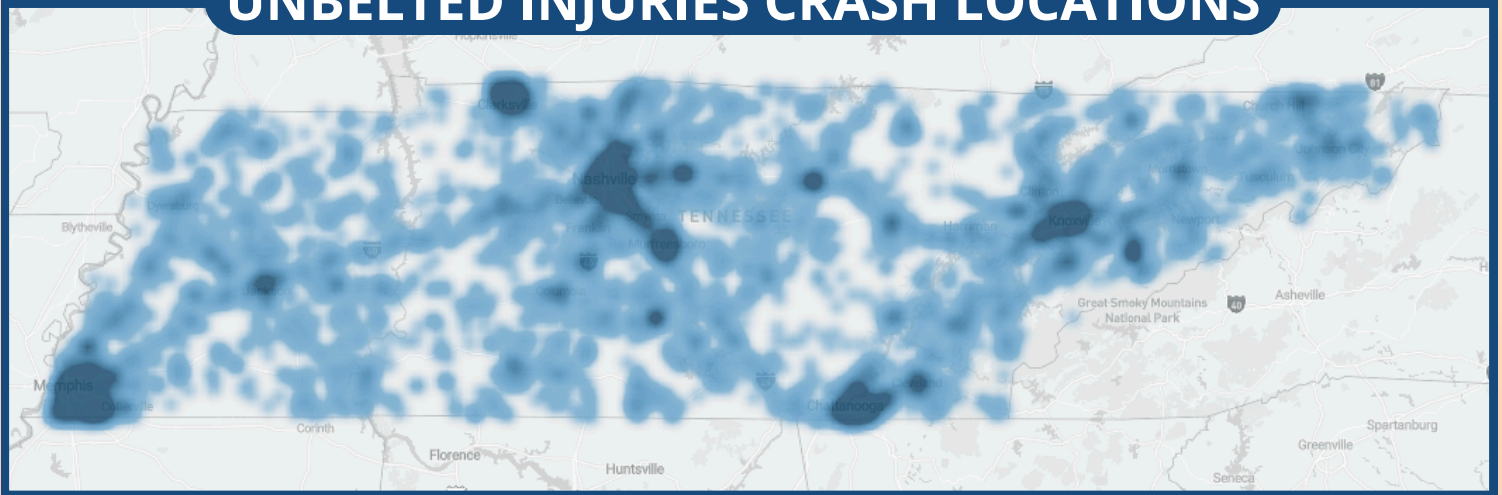
OCCUPANTS WHO HAD BEEN DRINKING WERE **6.4X** ↓ AS LIKELY TO BE UNBELTED.





# UNBELTED INJURIES

## UNBELTED INJURIES CRASH LOCATIONS



MAP COURTESY OF TDOT/AASHTOWARE



OCCUPANTS UNDER  
THE AGE OF 16 WERE  
**65%↑** MORE LIKELY TO  
BE UNBELTED THAN  
OTHER OCCUPANTS.

EJECTED OCCUPANTS  
WERE **170X↑**  
AS LIKELY TO  
BE KILLED IN  
A CRASH.





# WORK ZONE

- **3,304** WORK ZONE CRASHES.
- **2%** OF STATEWIDE CRASHES OCCURRED IN A WORK ZONE.
- **45%** OF WORK ZONE CRASHES OCCURRED ON INTERSTATES AND STATE ROUTES.

**66%↓** OF WORK ZONE CRASHES OCCURRED DURING DAYLIGHT.

PARKED MV  
**2.59%**



GUARD RAIL FACE  
**2.84%**



OTHER OBJECT  
**3.76%**



CONCRETE TRAFFIC BARRIER  
**4.27%**



MOTOR VEHICLE-IN-TRANSPORT ON SAME ROADWAY  
**81.88%**



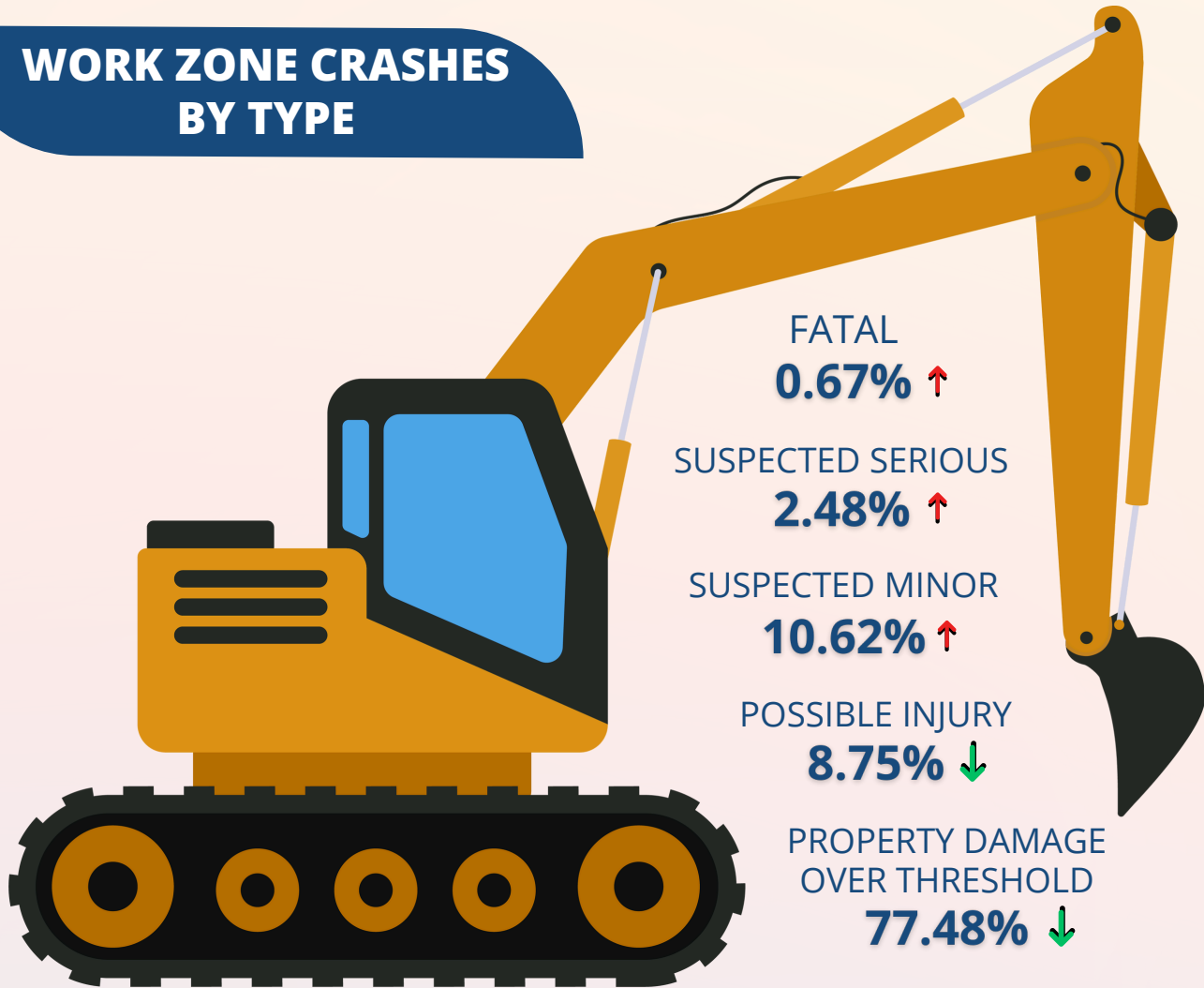
WORK ZONE CRASHES IN THE DARK WERE **54%** MORE LIKELY TO RESULT IN A FATALITY.





# WORK ZONE

## WORK ZONE CRASHES BY TYPE

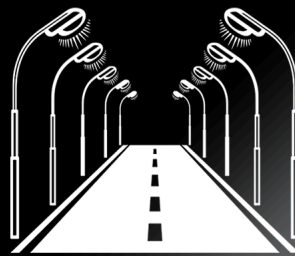


## WORK ZONE CRASHES IN RURAL AREAS



**53%↑** MORE LIKELY TO INVOLVE SPEEDING.

## WORK ZONE CRASHES IN URBAN AREAS



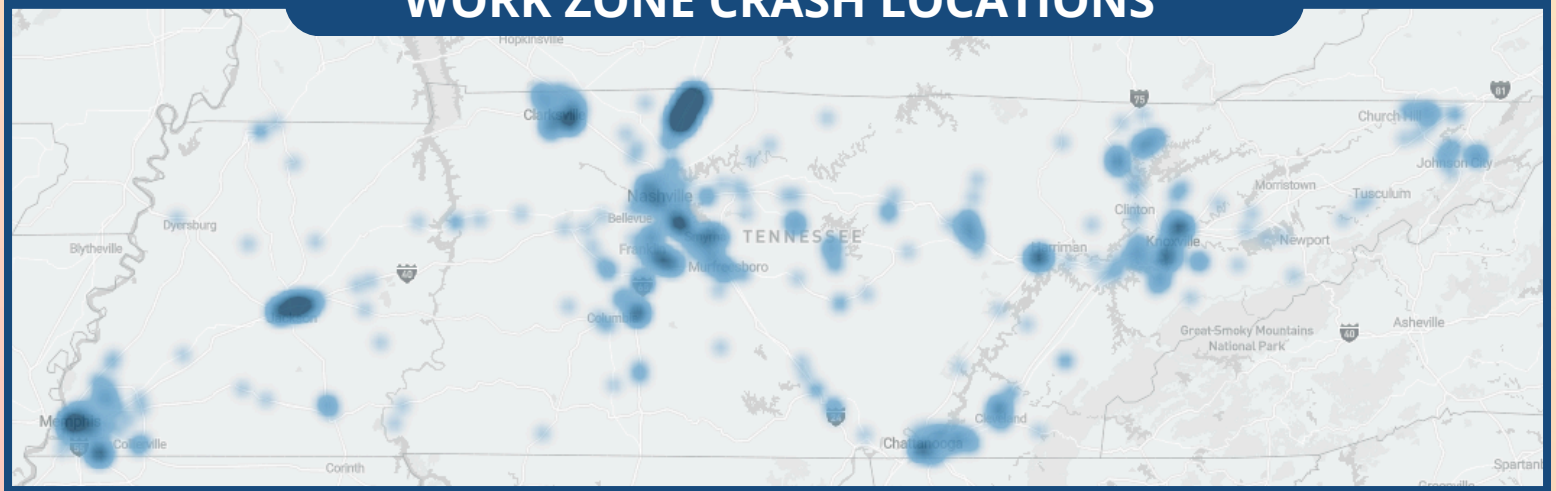
**21.9%↓** OF CRASHES HAD WORKERS PRESENT





# WORK ZONE

## WORK ZONE CRASH LOCATIONS



MAP COURTESY OF TDOT/AASHTOWARE

## FATAL AND SERIOUS INJURY WORK ZONE CRASHES BY ROUTE SINGING

### INTERSTATE



### STATE ROUTE



### COUNTY ROUTE



### MUNICIPAL ROUTE

