SHOW-ME ZERO
Driving Missouri Toward Safer Roads

2022 STATEWIDE PLANNING PARTNER MEETING
Nicole Hood
8,885 LIVES LOST IN 10 YEARS

MISSOURI TRAFFIC FATALITIES

<table>
<thead>
<tr>
<th>Year</th>
<th>Fatalities</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011</td>
<td>786</td>
</tr>
<tr>
<td>2012</td>
<td>826</td>
</tr>
<tr>
<td>2013</td>
<td>757</td>
</tr>
<tr>
<td>2014</td>
<td>766</td>
</tr>
<tr>
<td>2015</td>
<td>870</td>
</tr>
<tr>
<td>2016</td>
<td>947</td>
</tr>
<tr>
<td>2017</td>
<td>932</td>
</tr>
<tr>
<td>2018</td>
<td>921</td>
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<tr>
<td>2019</td>
<td>881</td>
</tr>
<tr>
<td>2020</td>
<td>987</td>
</tr>
<tr>
<td>2021</td>
<td>1,012</td>
</tr>
</tbody>
</table>
TOP CRASH CHARACTERISTICS

- Lane Departure
  - Over 75% of fatalities
- Intersections
  - 37% of fatalities

2021 Fatalities *(preliminary)*

- Run Off the Road: 404
- Curves: 317
- Intersections: 369
- Collision with Trees: 164
- Head-On: 151
Stubborn Contributors to Traffic Crashes:

• Speed
• Impairment
• Distracted Driving
• Lack of Seat Belt Use

Human behavior plays the biggest role in crashes.

The majority of crashes are preventable.
MISSOURI TRAFFIC FATALITIES INVOLVING SPEED
(Speed limit exceeded or too fast for conditions)

SPEEDING:
TOP CONTRIBUTING CIRCUMSTANCE IN MO FATAL CRASHES

2020
404

2021
369

SPEED ACCOUNTED FOR 36% OF THE FATALITIES IN 2021
SUBSTANCE-IMPAIRED DRIVING

• 20% of the total fatalities in 2021 involved at least one substance-impaired driver
  • 81% males

• Alcohol-impaired fatalities have decreased by 24% in the last decade

• Drug-impaired fatalities have increased by 83%
• More than **1,900 unbuckled fatalities** in the last five years

**SEAT BELT USE**

- 88% Buckled
- 12% Unbuckled

**VEHICLE OCCUPANT FATALITIES**

- 66% Buckled
- 34% Unbuckled

100% usage = **254 lives saved per year**
• 81% of pickup truck occupants killed in 2021 Missouri traffic crashes were unbuckled

• 83% of fatalities on Missouri roadways involved male drivers
• 161 motorcyclists were killed in Missouri traffic crashes in 2021
  • 36% increase from 2020
  • 90 unhelmeted

• Highest number we have on record (at least 35 years)
One of the fastest growing contributors of Missouri crashes.

- Missouri law currently prohibits only texting and driving for operators age 21 and under.

**Distracted Driving**

- 72% of crashes involve operators 21 or younger.
- 22% of crashes involve operators 22 or older.
DRIVING TOWARD ZERO FATALITIES
FOUR EMPHASIS AREAS

- Buckle up
- Phone down
- Slow down
- Drive sober
SAFETY LEGISLATIVE PRIORITY

• Hands-free law for Missouri
INFRASTRUCTURE SAFETY IMPROVEMENTS

• Incorporate safety improvements into all STIP projects
• Influx of federal safety funds
• Utilize data-driven safety analysis
• Promote a Safe System Approach
PROVEN SAFETY COUNTERMEASURES

- Guard cable
- High-friction surface treatments
- J-turns
- Roundabouts
- Rumble stripes
AVAILABLE SAFETY TOOLS

• MoDOT DataZone
  • Crash Statistics Map
  • Available to external customers: http://datazone.modot.org/

• Upcoming TITAN

• Crash Modification Factors Clearinghouse
  • www.cmfclearinghouse.org
SAFETY RESOURCES

• Missouri’s Safety Circuit Rider Program
  Gidget Koestner
  GidgetK@candidengineering.com
  573-246-0720

• Grant opportunities
• Vision Zero City
PASS IT ON

• Take the BUPD pledge and spread the word
  modot.org/bupd

nicole.hood@modot.mo.gov