

LOCAL ROAD SAFETY PLANS:

Your Map to Safer Roadways

No matter what your resources, a Local Road Safety Plan will guide you to data-driven solutions and safer roads.

https://safety.fhwa.dot.gov/prevention/measurements/local_road/

Chevron signs reduce nighttime crashes by 25%.

In 2017, over 50% of fatalities occurred on rural roads, but just 19% of Americans live in rural areas.

More than 75% of all roads are maintained by local agencies.

Identify Stakeholders

- Law Enforcement
- Public Health
- EMS
- Elected Officials

Choose Proven Solutions

- Chevrons
- Roundabouts
- Targeted Enforcement
- Crosswalks

Use Safety Data

- Crashes
- Maintenance Logs
- Safety Audits
- Traffic Violations

Implement Solutions

- Education & Enforcement
- Capital Projects
- Maintenance Work

LOCAL ROAD SAFETY PLANS

Help Get People Home Safely

U.S. Department of Transportation
Federal Highway Administration

<https://www.youtube.com/watch?v=Wzdm798MoI8>

What is a Local Road Safety Plan?

- Provides a comprehensive framework to reduce fatalities and serious injuries on the local system
- Utilizes the 4 Es
 - Engineering
 - Enforcement
 - Education
 - Emergency Response

Why a Safety Emphasis on Local Roads?

- Builds off of the State Strategic Highway Safety Plan (SHSP)
- 72% of rural roads are owned by local entities and contribute approximately 54% of all fatal crashes
- Contribute to regional transportation safety goal and national performance measures
- Position your agency to apply for funding

Source: National Center for Statistics and Analysis. (2016, July) Rural/Urban Comparison: 2014 data. Traffic Safety Facts. Report No. DOT HS 812 301.

Steps in the LRSP Development Process

Step 1: Establish Leadership/ Stakeholder Collaboration

Step 2: Analyze the Safety Data

Step 3: Determine Emphasis Areas

Step 4: Identify Strategies

Step 5: Prioritize and Incorporate Strategies

Step 6: Evaluate and Update the LRSP



Mono County Safety Partners:

Mono County Board of Supervisors
Local Transportation Commission (LTC)
Emergency Medical Services (EMS)
Public Works Road Department
Behavior Health Department
Public Health Department
Community Development / Planning
IT Department
Sheriff's Office
Town of Mammoth Lakes
Eastern Sierra Transit Authority
California Highway Patrol
County RPACs
Local Fire Protection Districts
Mono County Office of Education & Safe Kids of CA
Eastern Sierra Unified School District
Eastside Velo
Mammoth Tourism
Mono Health Care Districts
Mammoth Lakes Police Department
Others ?

Public Outreach:

Residents of Mono County know their communities best. Their input will be necessary to fully address road safety issues.

A Road Safety Survey has been created to obtain public input on Mono County Road safety.

Please participate in the survey:

<https://monocounty.ca.gov/roads>



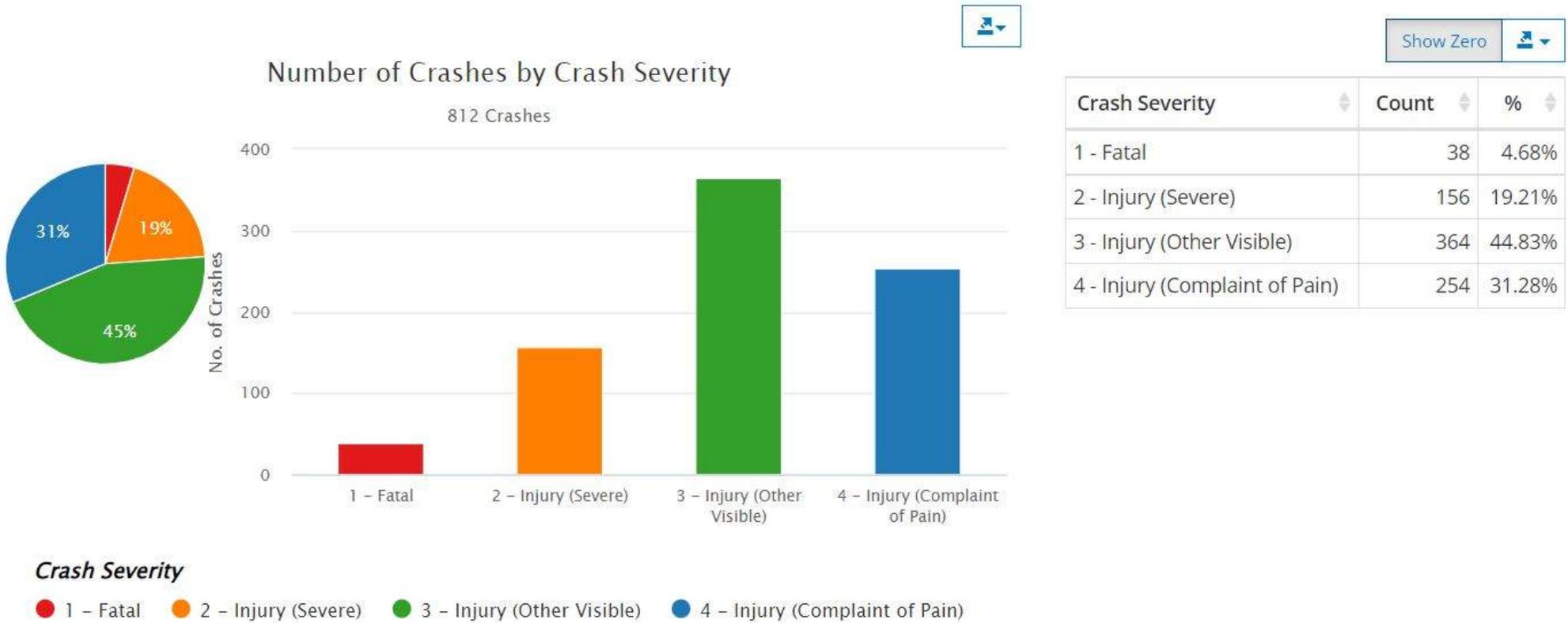
Step 2: Analyze the Safety Data



Traffic Collision Data for all of Mono County from 2011 to 2020.

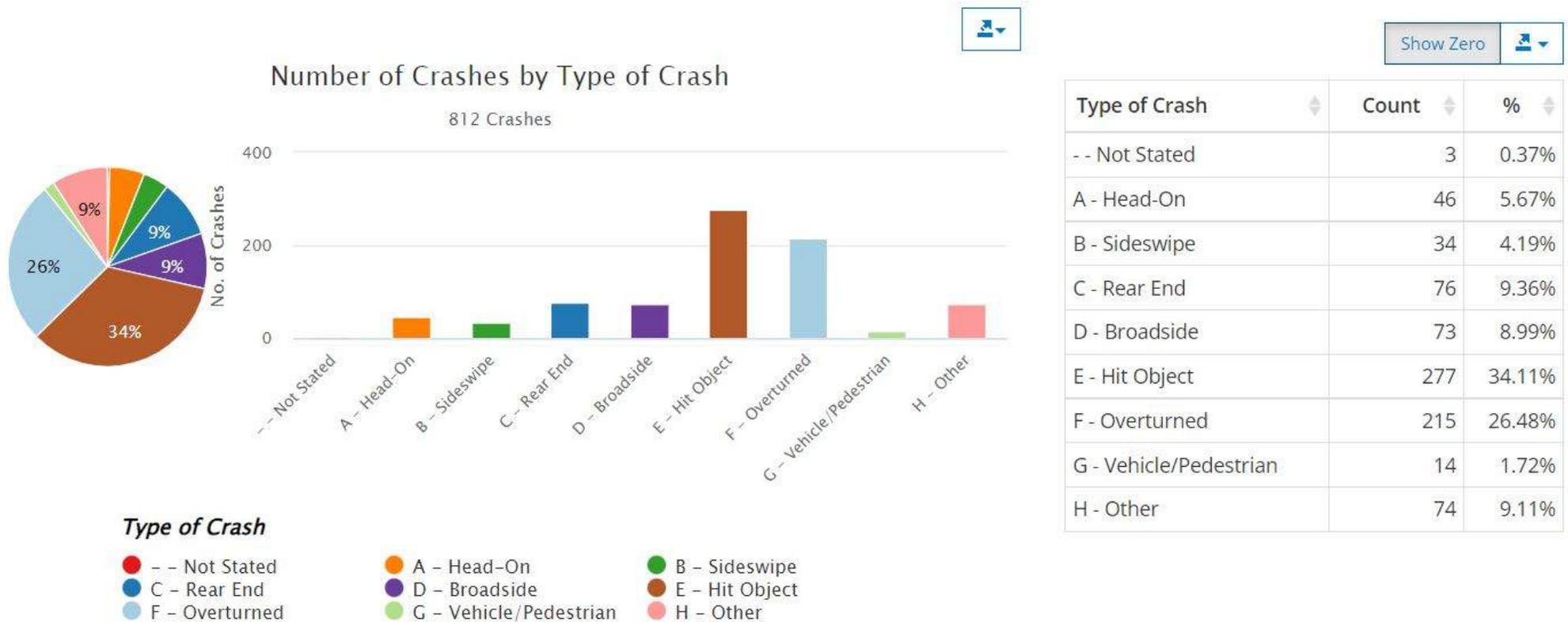
Includes State Highways, Town of Mammoth Lakes, and Mono County Maintained Roads

Total Crashes	812	Total Victims	46 Killed & 1,142 Injured	State Highway	652 (80.3%)
Ped Crashes	16 (2%)	Bike Crashes	26 (3.2%)	Motorcycle Crashes	132 (16.3%)



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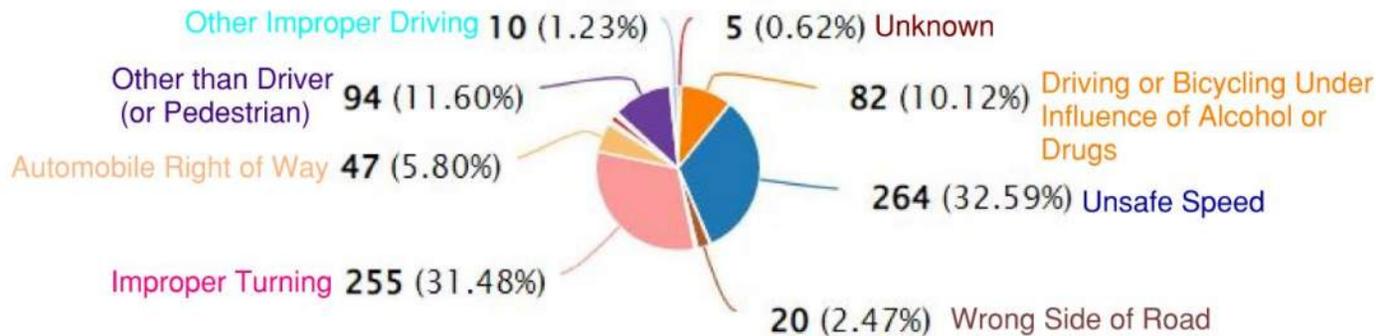


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Number of Crashes by PCF Violation

810 Crashes



PCF Violation	Count	%
00 - Unknown	5	0.62%
01 - Driving or Bicycling Under the Influence of Alcohol or Drug	82	10.12%
02 - Impeding Traffic	1	0.12%
03 - Unsafe Speed	264	32.59%
04 - Following Too Closely	2	0.25%
05 - Wrong Side of Road	20	2.47%
06 - Improper Passing	2	0.25%
07 - Unsafe Lane Change	3	0.37%
08 - Improper Turning	255	31.48%
09 - Automobile Right of Way	47	5.80%
10 - Pedestrian Right of Way	2	0.25%
11 - Pedestrian Violation	4	0.49%
12 - Traffic Signals and Signs	10	1.23%
13 - Hazardous Parking	1	0.12%
16 - Other Equipment	2	0.25%
17 - Other Hazardous Violation	3	0.37%
18 - Other Than Driver (or Pedestrian)	94	11.60%
21 - Unsafe Starting or Backing	3	0.37%
22 - Other Improper Driving	10	1.23%

Step 3: Determine Emphasis Areas

What are Emphasis Areas?

Emphasis areas are an opportunity to improve safety and should reflect the input of the group and consider strategies from the 4 E's of roadway safety improvement when appropriate

Motorcycle Related	132 crashes (16%)
Alcohol Involved	108 crashes (13%)
Intersection Related	75 crashes (9%)
Snow Related	66 crashes (8%)
Animal Related	60 crashes (7%)
Bicycle Involved	26 crashes (3%)
Pedestrian Involved	16 crashes (2%)
Truck Involved	6 crashes (0.7%)



Step 3: Determine Emphasis Areas

With Crash Data:

Emphasis areas should be consistent with trends identified in the data.

Mono County Traffic Collision Factors Based on Level of Injury
 Statewide Integrated Traffic Records System (SWITRS) from 2011 to 2020

Mono County Ranking	Fatal Injury (Average Collisions per Year)	Fatal and Severe Injury* (Average Collisions per Year)	All Injuries (Average Collisions per Year)
1	DUI - Alcohol Involved (1.3)	Speeding Related (8.6)	Speeding Related (45.6)
2	Older Adult 65+ (1.2)	Motorcycle (5.9)	Older Adults 65+ (16.3)
3	DUI - Drugs Involved (1.0)	Older Adult 65+ (4.7)	Motorcyclist (15.0)
4	Unrestrained Occupant (1.0)	DUI - Alcohol Involved (4.3)	DUI - Alcohol Involved (14.5)
5	Speeding Related (0.9)	Unrestrained Occupant (3.1)	Distracted Driving (8.4)
6	Motorcycle (0.6)	DUI - Drugs Involved (2.3)	Unrestrained Occupant (6.3)
7	Distracted Driving (0.5)	Distracted Driving (1.5)	DUI - Drugs Involved (3.5)
8	Pedestrian (0.2)	Bicyclist (1.1)	Bicyclist (2.9)
9	Bicyclist (0.1)	Pedestrian (0.6)	Pedestrian (2.2)

Statewide Integrated Traffic Records System (SWITRS) Data obtained from SafeTREC Transportation Injury Mapping System (TIMS)

Note: This data includes all of Mono County including State Highways, County Roads, and Town of Mammoth Lakes roads.

* Severe Injury: **An injury other than a fatal injury** which results in broken bones, dislocated or distorted limbs, severe lacerations, or unconsciousness at or when taken from the collision scene. It does not include minor laceration

Step 4: Identify Strategies

What are Strategies?

- Strategies focus on addressing specific emphasis areas.
- Consider contributing factors
- Reflect strategies employing the 4 E's.
- Address high-priority corridors or locations

Questions?

Your input is an important part of the plan to make our roads safer!

What road safety issues have you experienced in your community?

What emphasis areas are most relevant to your community?

Are there road safety concerns not present in the data?



Take the road safety survey located at: <https://monocounty.ca.gov/roads>