

zero deaths - zero serious injuries

2020 Montana Crash Data (2011-2020)

2022 Annual Transportation Safety Meeting
Pam Langve-Davis, Comprehensive Highway Safety Plan
Montana Department of Transportation
October 11 & 12, 2022

Federal Requirements



Data Driven



Multiagency Coordination & 4Es



Performance Measures



Consistent safety targets

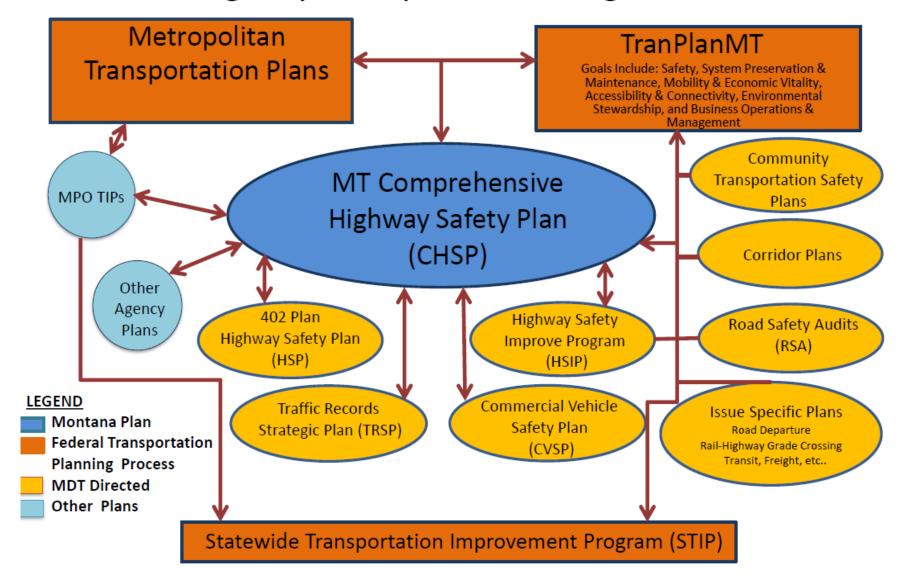


Report, track, and evaluation process



Update CHSP every 5 years

Relationship of Montana's Safety Plan (CHSP) with Agency Safety Plans & Programs









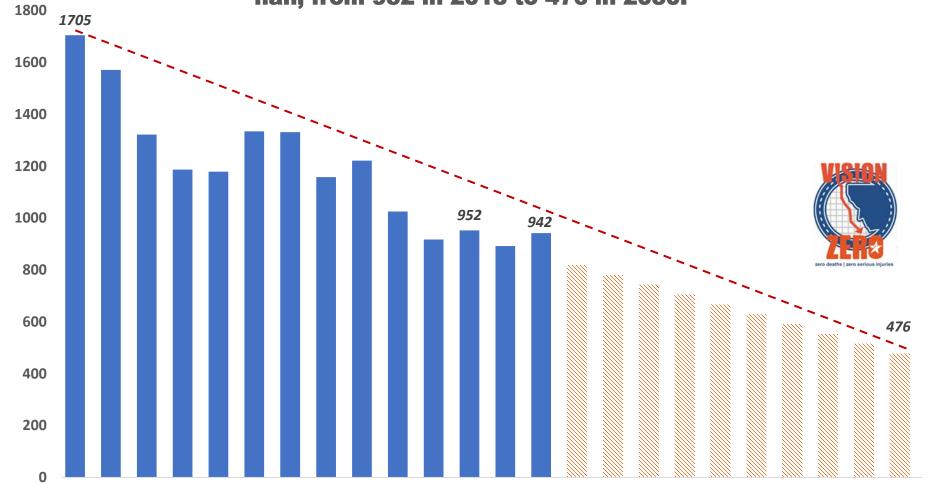






CHSP Interim Goal

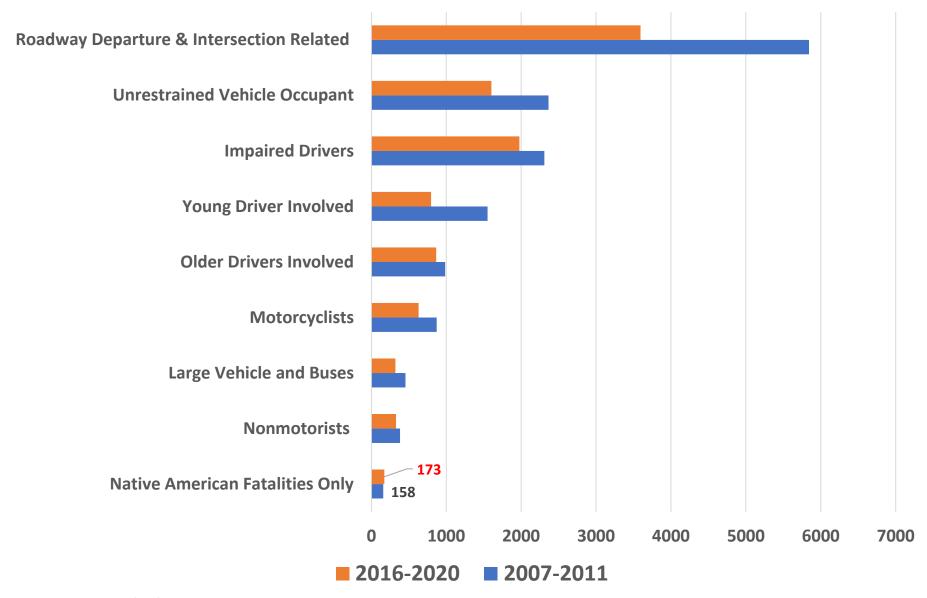
Reduce fatalities and serious injuries on Montana's roads by half, from 952 in 2018 to 476 in 2030.



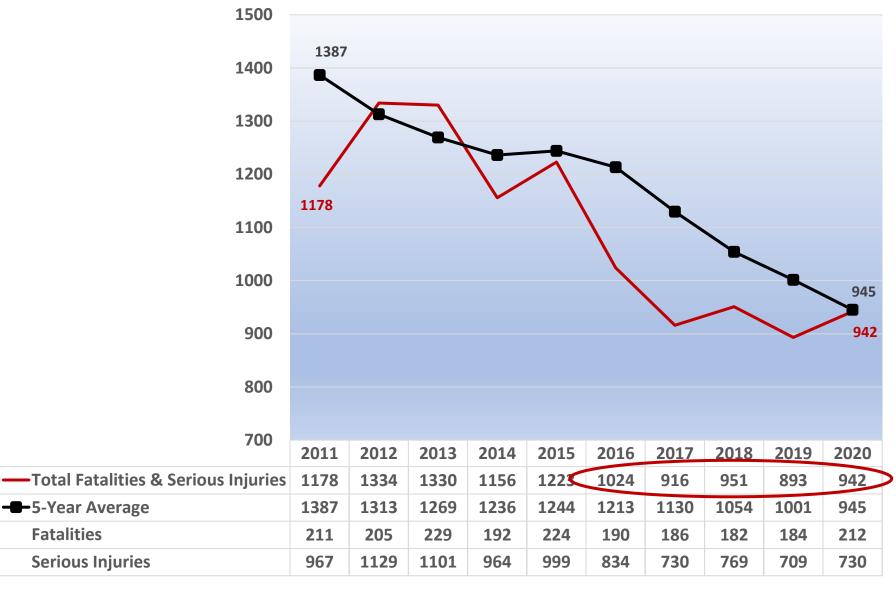
2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030

■ Fatalities & Serious Injuries

Fatal & Serious Injuries Associated Key Emphasis Areas, First 5-Years vs Recent 5-Years of Implementation



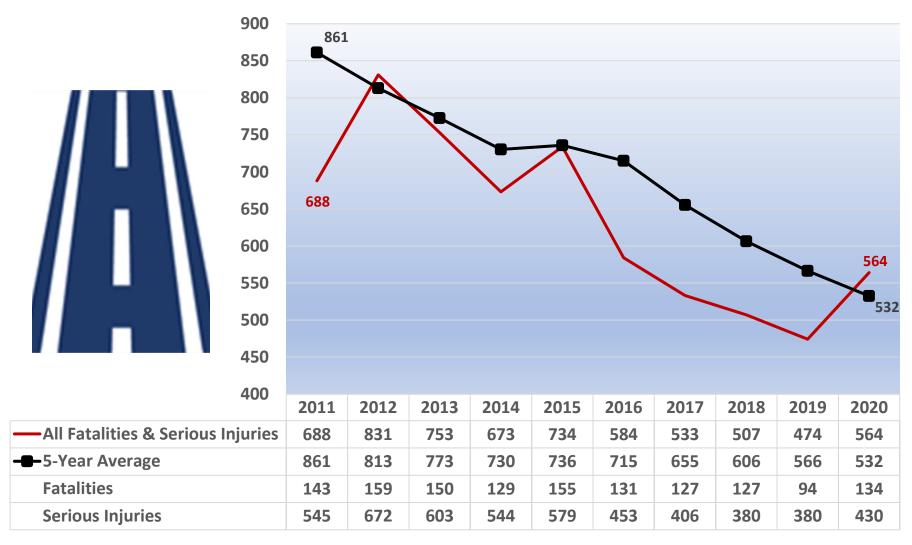
Total Fatalities & Serious Injuries, 2011-2020



Roadway Departure Fatalities & Serious Injuries, 2011-2020 A roadway departure is defined as any instance in which a vehicle leaves the travel lane. It includes a nonjunction Head On collision (HO), Side-**Swipe Opposite** Direction (SSOD), Fixed Object (FO) or Roll Over (RO).



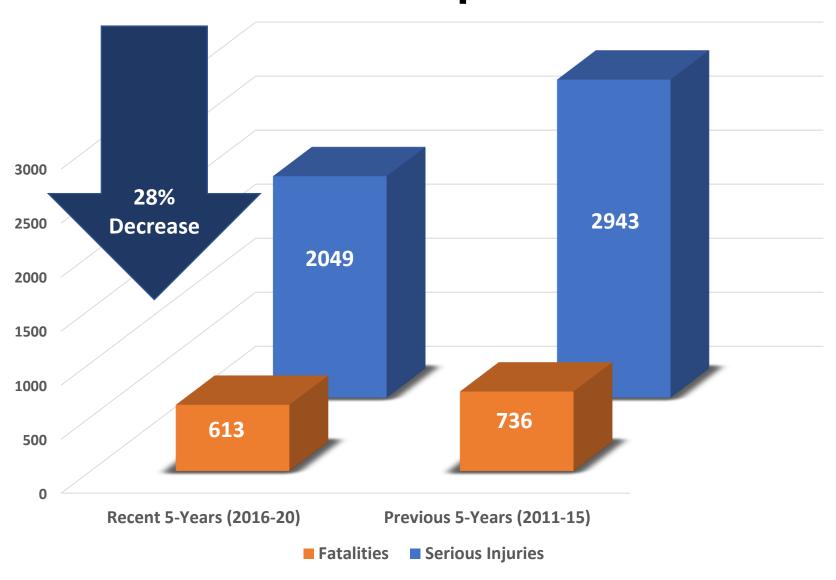
Roadway Departure Fatalities & Serious Injuries, 2011-2020



In 2020 there was a spike in roadway fatalities & serious injuries.

Overall, the trend continues to decrease.

Roadway Departure Fatalities & Serious Injuries, 5-Year Comparison

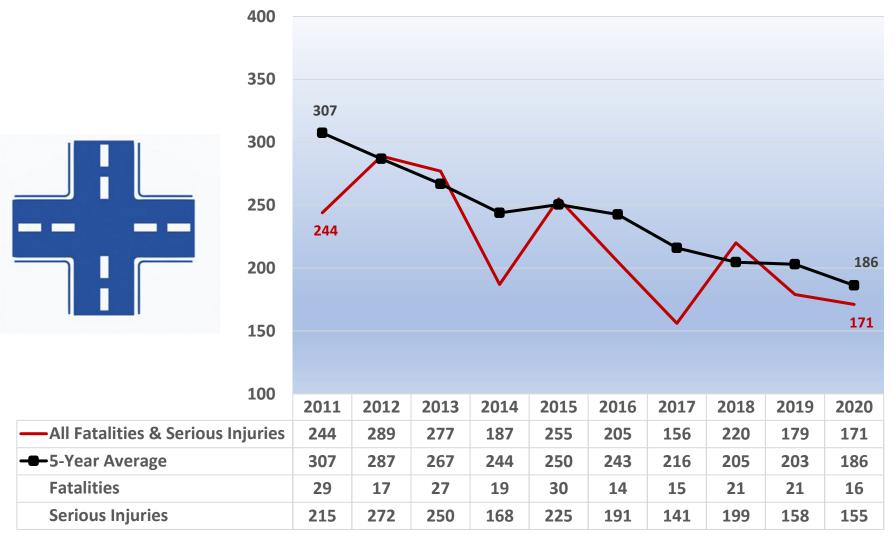


Intersection
-related
Fatalities &
Serious
Injuries,
20112020

An Intersection related crash is defined as a crash occurring in or related to or near an intersection.

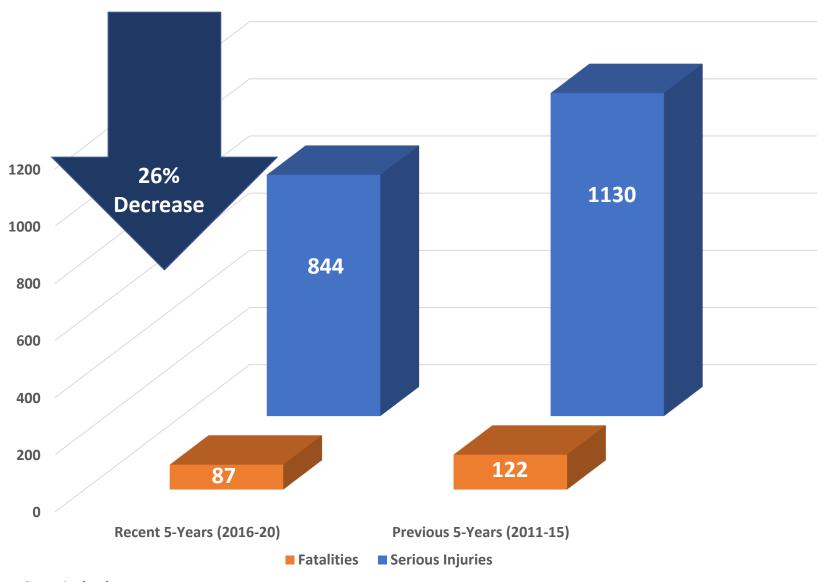


Intersection-related Fatalities & Serious Injuries, 2011-2020



Intersection—related fatalities & serious injuries were lower in 2020 than the previous two years and below the 5-year average.

Intersection-related Fatalities & Serious Injuries, 5-Year Comparison

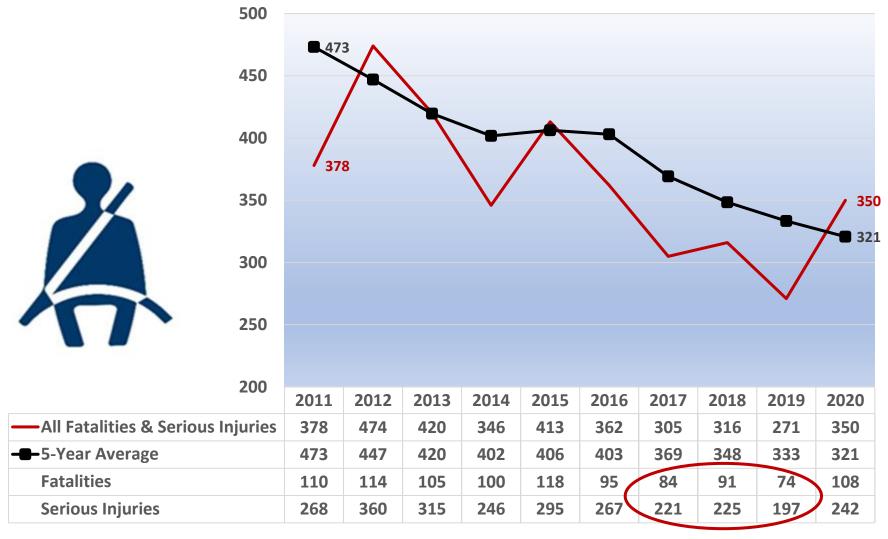


Unrestrained
Vehicle
Occupant
Fatalities &
Serious
Injuries,
20112020

Unrestrained is defined as no or improperly restrain usage.
An Unrestrained Vehicle Occupant includes all vehicle occupants regardless of age and seat location and includes seatbelts, booster seats, and child passenger seats.

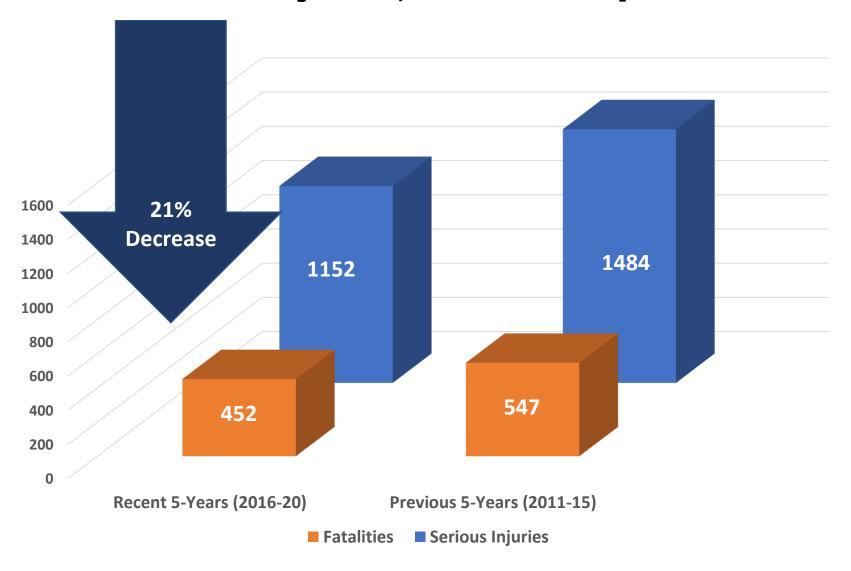


Unrestrained Vehicle Occupant Fatalities & Serious Injuries, 2011-2020



The 5-year average shows a continuous decrease. 2017, 2018, & 2019 were the lowest years for unrestrained vehicle occupant fatalities & serious injuries.

Unrestrained Vehicle Occupant Fatalities & Serious Injuries, 5-Year Comparison

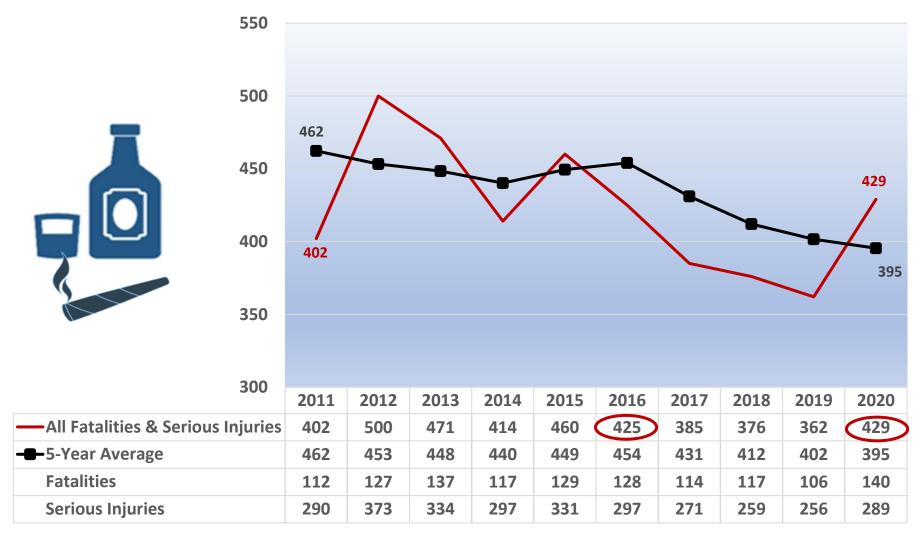


Impaired
Driving-related
Fatalities &
Serious
Injuries,
20112020

An impaired driving crash is indicated on the crash form that one of the drivers was impaired by alcohol & / or drugs.



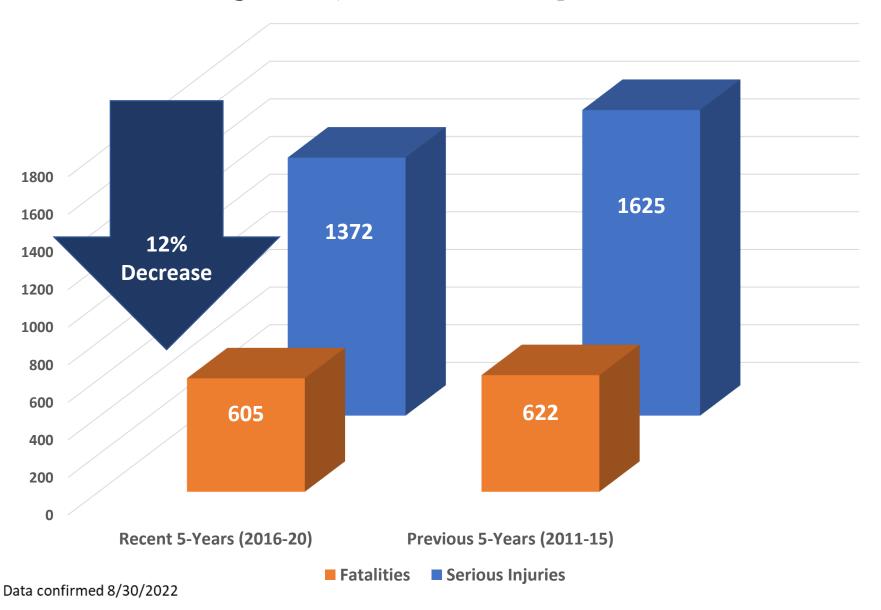
Impaired Driver Involved Fatalities & Serious Injuries, 2011-2020



The 2020 fatalities & serious injuries increased and are similar to 2016. Overall, the trend continues to decrease, but is at risk at leveling off.

Data confirmed 8/30/2022

Impaired Driver Involved Fatalities & Serious Injuries, 5-Year Comparison

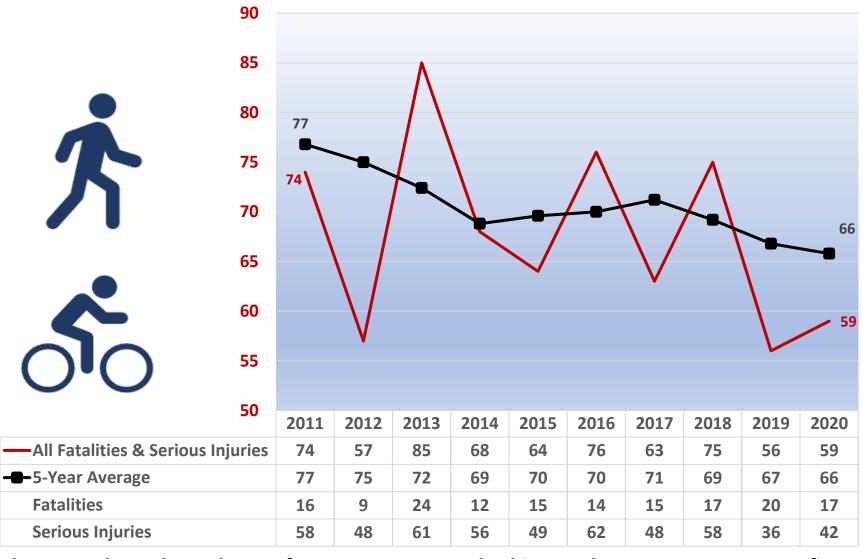




Nonmotorized Fatalities & Serious Injuries, 2011-2020

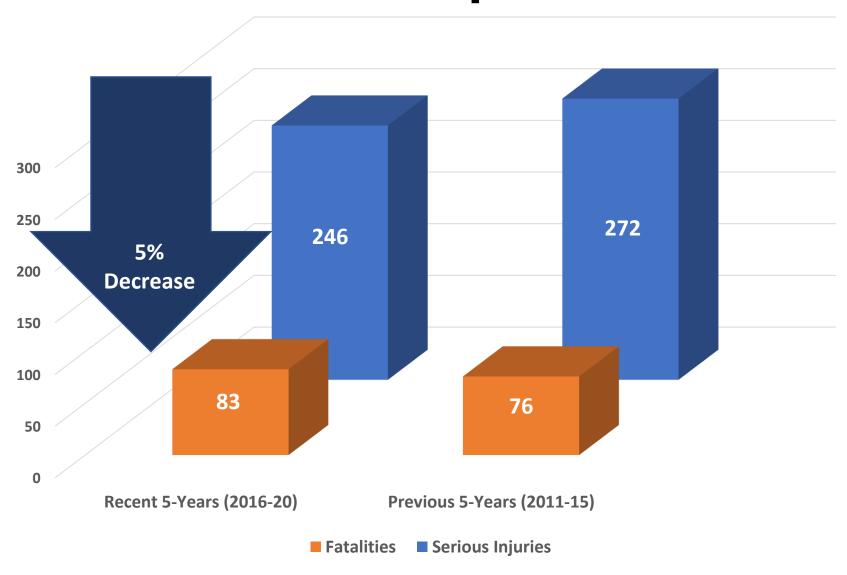


Nonmotorized Fatalities & Serious Injuries, 2011-2020



The annual numbers change from year-to-year; looking at the 5-year average confirms a downward trends continues.

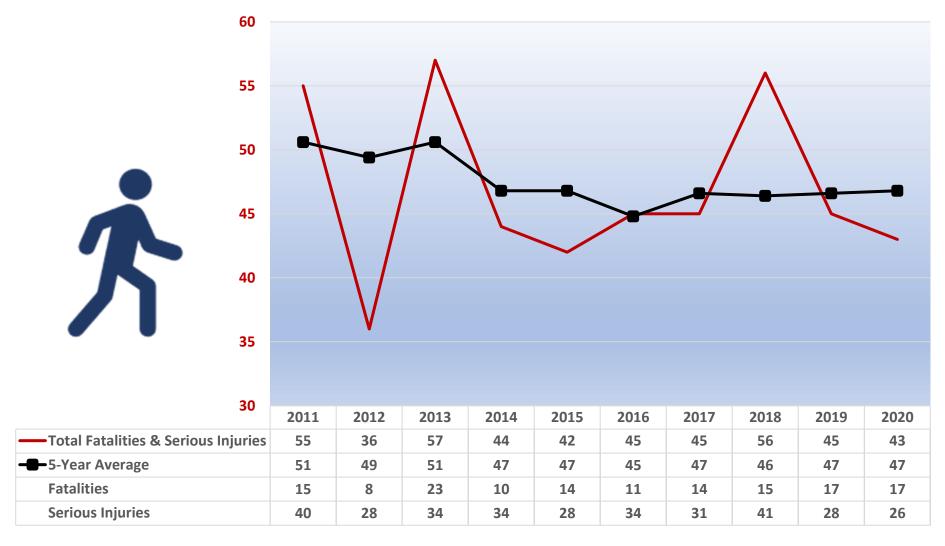
Nonmotorized Fatalities & Serious Injuries, 5-Year Comparison



Pedestrian Fatalities & Serious Injuries, 2011-2020

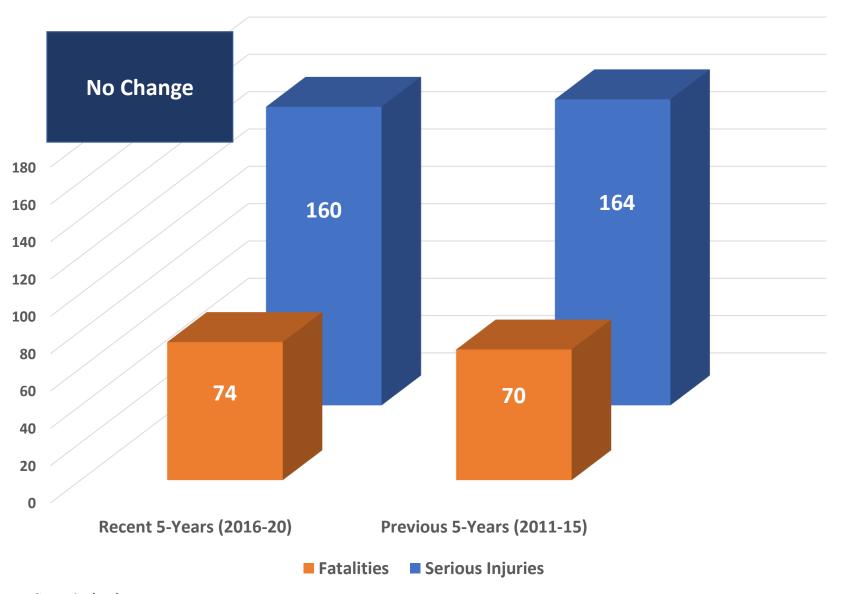


Pedestrian Fatalities & Serious Injuries, 2011-2020



The 2020 pedestrian fatalities & serious injuries are slightly lower than the previous 4 years and below the 5-year average.

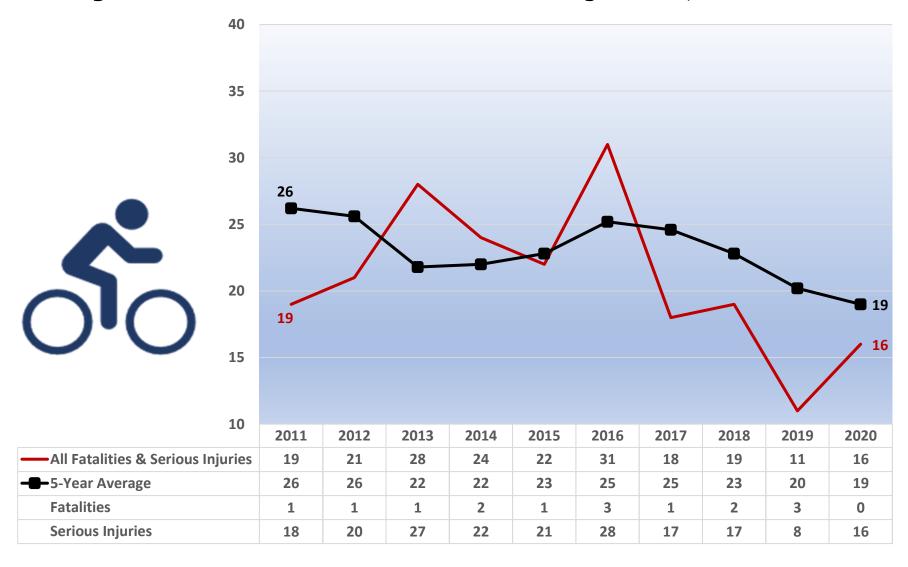
Pedestrian Fatalities & Serious Injuries, 5-Year Comparison



Bicyclist Fatalities & Serious Injuries, 2011-2020

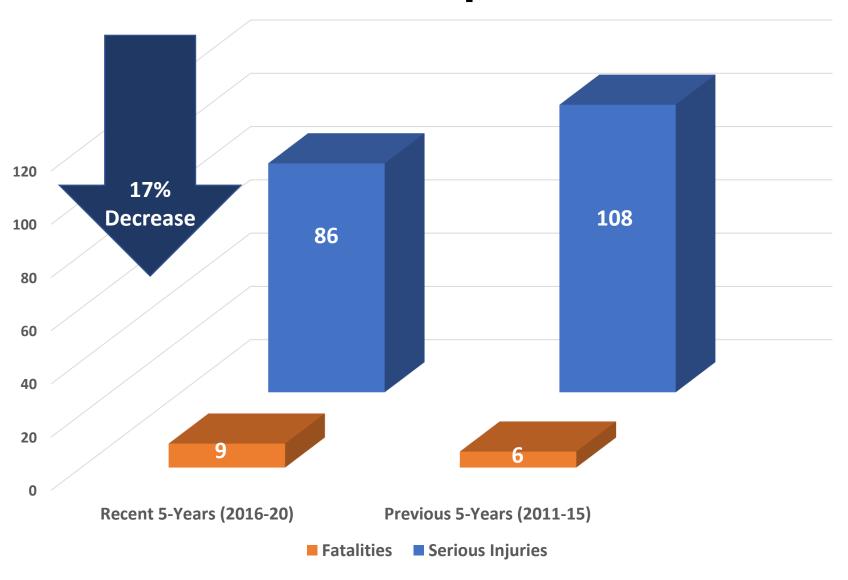


Bicyclist Fatalities & Serious Injuries, 2011-2020

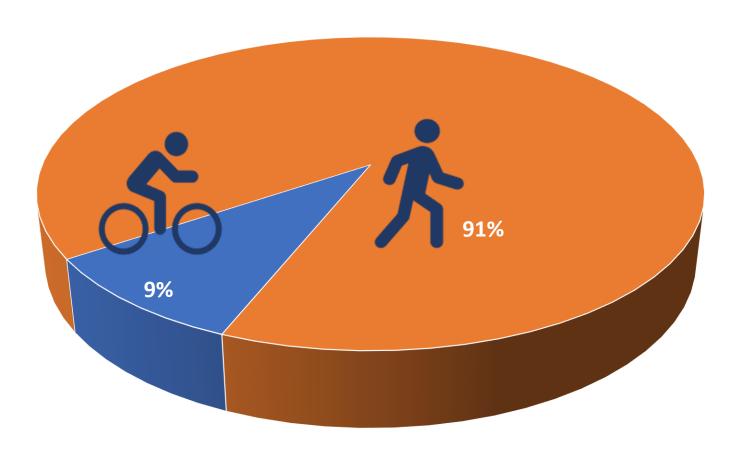


Bicyclist serious injuries reflect a spike in 2020. There were no fatalities in 2020. Overall, the trend continues to decrease.

Bicyclist Fatalities & Serious Injuries, 5-Year Comparison



10-Year Nonmotorized Fatalities, 2011-2020



■ 10-Year Bicyclist Fatalities

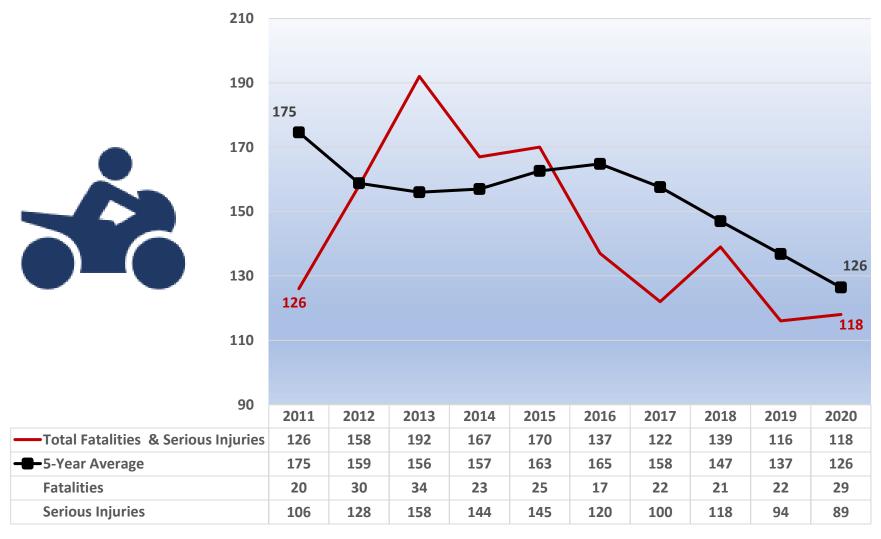
■ 10-Year Pedestrian Fatalities

Motorcyclist Fatalities & Serious Injuries, 2011- 2020



Motorcyclist is defined and includes the motorcycle operator and passenger.

Motorcyclist* Fatalities & Serious Injuries, 2011-2020



Motorcyclist fatalities & serious injuries for 2019 & 2020 were the lowest in ten years.

Overall, the trend continues to decrease.

^{*} Motorcyclist is defined as operator and passenger.

Motorcyclist Fatalities & Serious Injuries Facts, 2011- 2020

13% of All Fatalities & Serious Injuries were Motorcyclist Fatalities & Serious Injuries

95% of All Motorcyclist Fatalities & Serious Injuries occurred on Dry Roads

69% of All Motorcyclist Fatalities & Serious Injuries were Single Vehicle Crashes

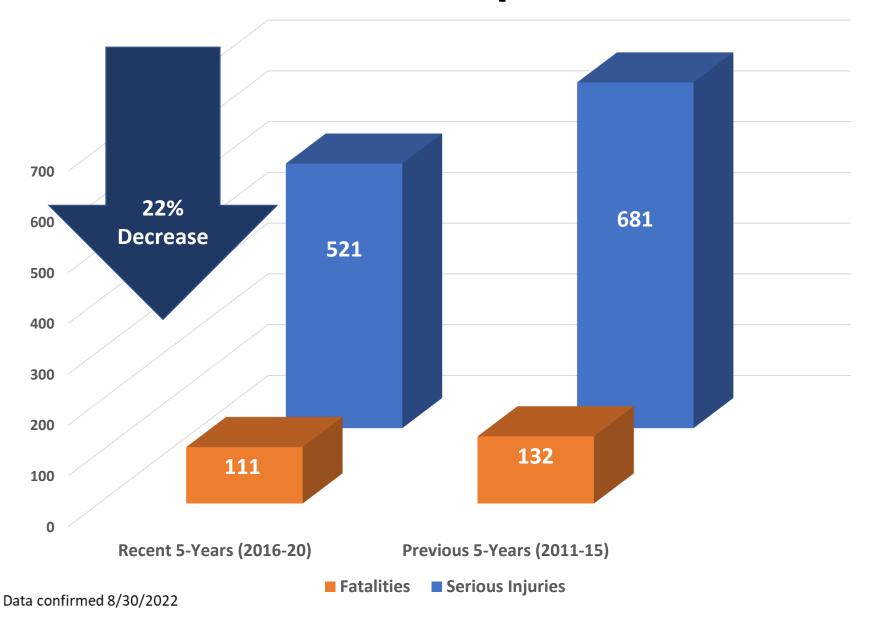
47% of All Motorcyclist Fatalities & Serious Injuries involved a Roadway Departure.

18% of All
Motorcyclist
Fatalities &
Serious
Injuries
occurred at
night.

15% of All
Motorcyclist
Fatalities &
Serious
injuries
involved a
collision with a
wild animal.

9% of All
Motorcyclist
Fatalities &
Serious
Injuries
resulting from
an impaired
motorcycle
operator.

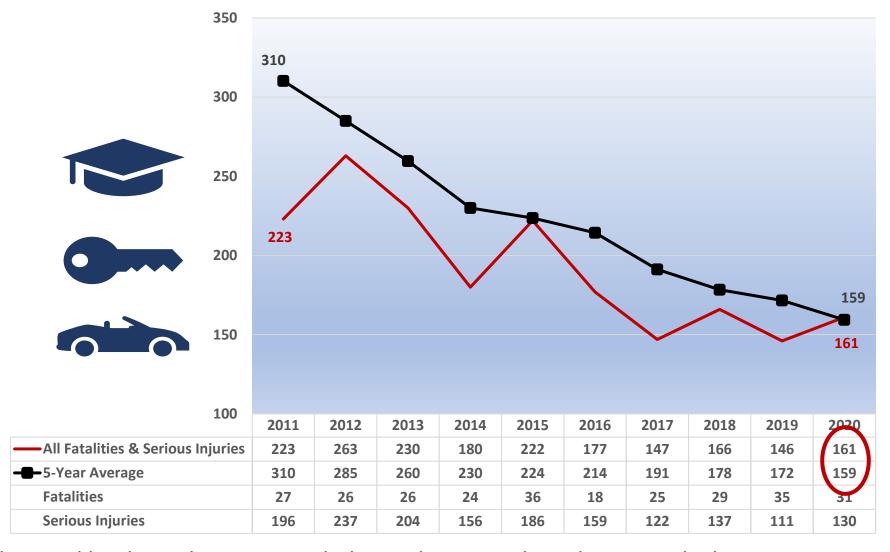
Motorcyclist Fatalities & Serious Injuries, 5-Year Comparison



Young Driver Involved (14-20 YOA) Fatalities & Serious Injuries, 2011-2020

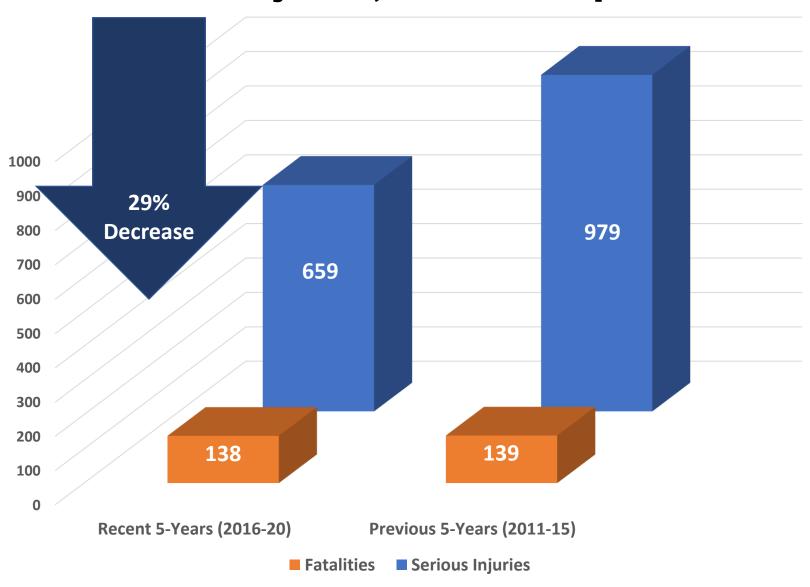


Young Driver*(14-20 YOA)** Involved Fatalities & Serious Injuries, 2011-2020



The trend has been decreasing with the random annual numbers over the last ten years.

Young Driver (14-20 YOA) Involved Fatalities & Serious Injuries, 5-Year Comparison



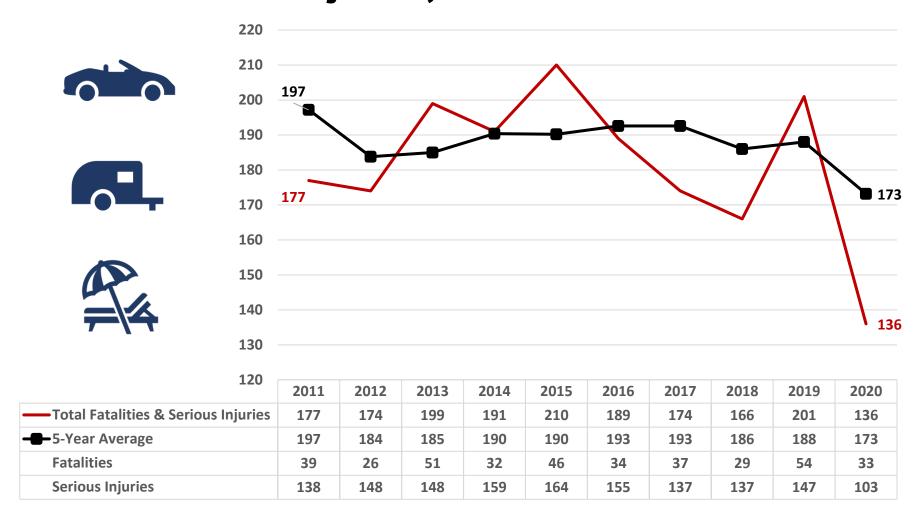
Older Driver (65+ YOA) Fatalities & Serious Injuries, 2011-2020





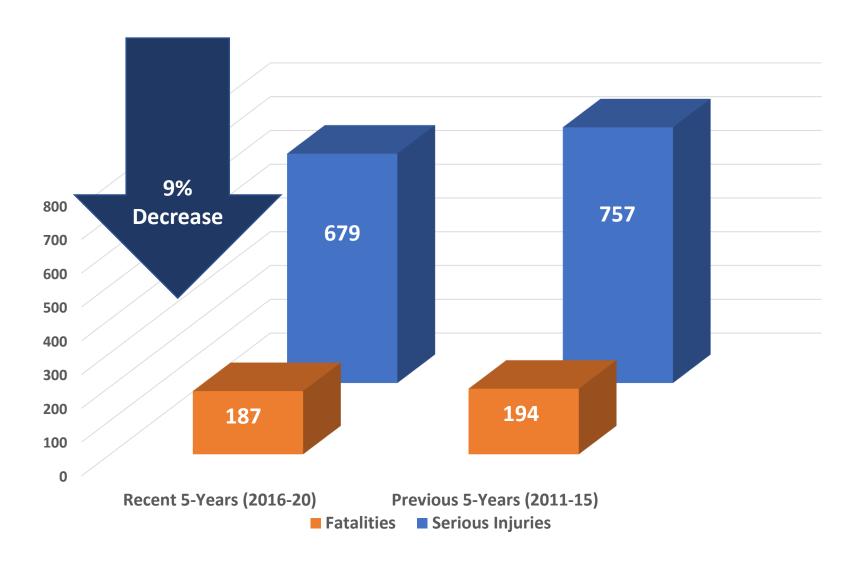


Older Driver (65+YOA) Involved Fatalities & Serious Injuries, 2011-2020



In 2020, Older Driver involved Fatalities & Serious injuries were the lowest in 10 years. This maybe due to designated shopping hours & encouragement to stay at home during COVID.

Older Driver (65+ YOA) Involved Fatalities & Serious Injuries, 5-Year Comparison

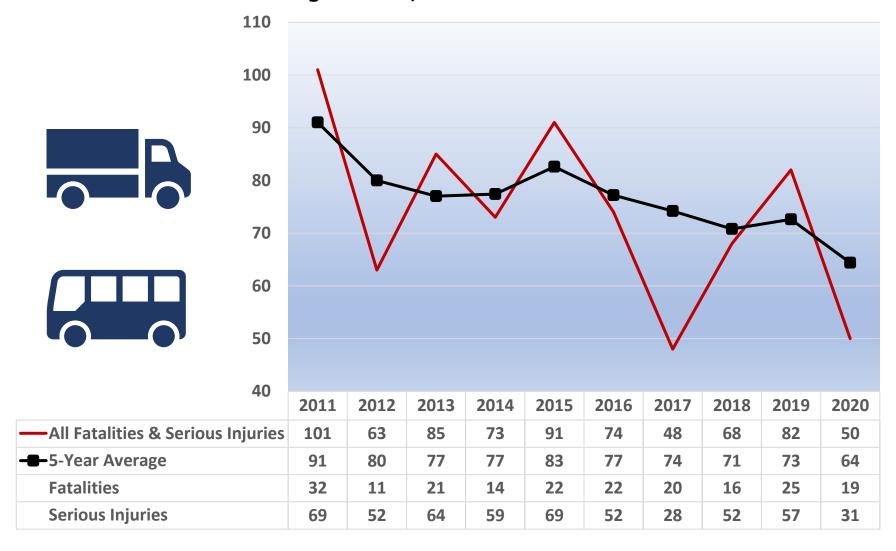


Large Vehicle -Involved Fatalities & Serious Injuries, 2011-2020



Large vehicles, those being over 9, 999 pounds and often requiring a Commercial Drivers License

Large Vehicle Involved Fatalities & Serious Injuries, 2011-2020



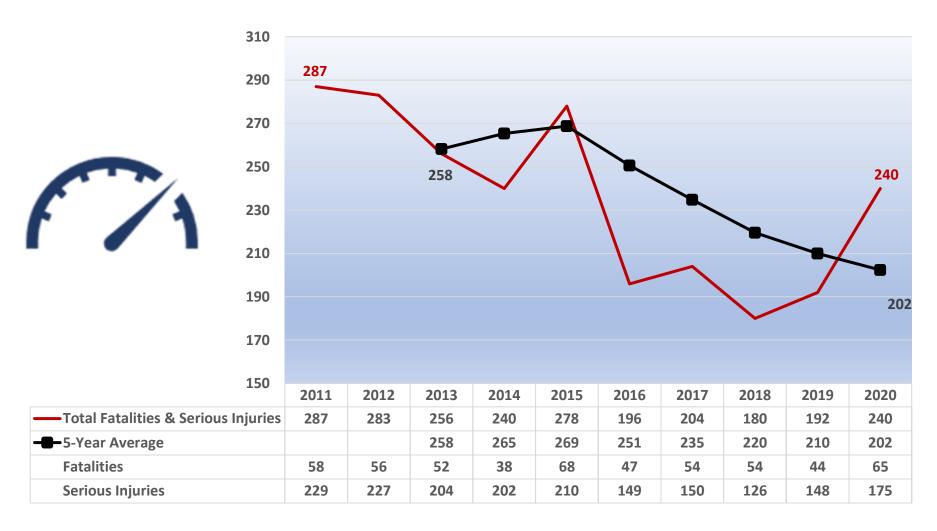
In Montana, large vehicle* fatalities & serious injuries continue to decrease.

*Large Vehicles are those over 9, 999 pounds & require a Commercial Drivers License.

Data confirmed 8/30/2022

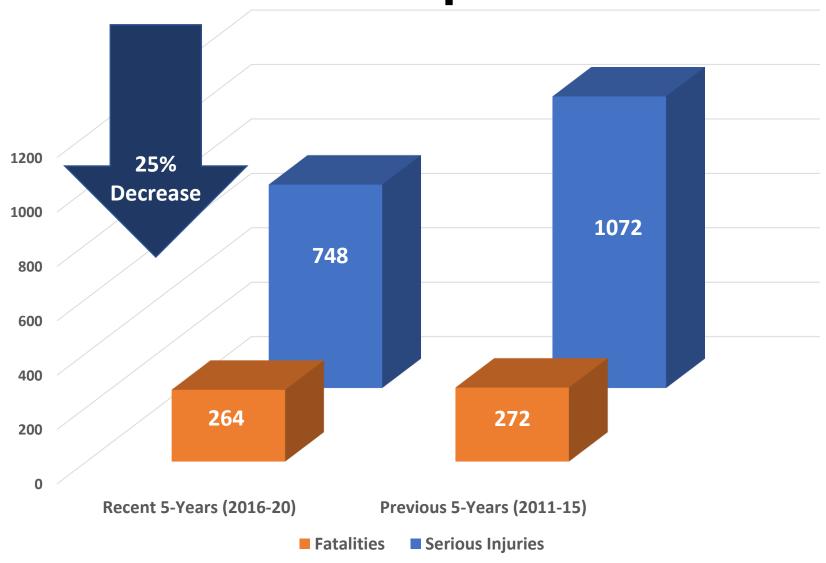


Speed-related Fatalities & Serious Injuries, 2011-2020

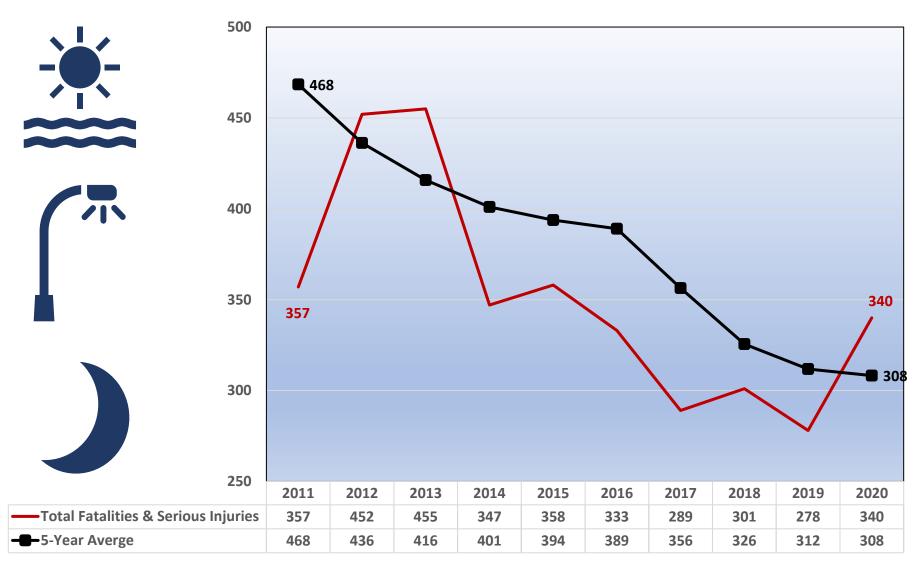


Speed related fatalities & serious injuries have decreased over the past 10 years, but notable increased in 2020.

Speed-related Fatalities & Serious Injuries, 5-Year Comparison



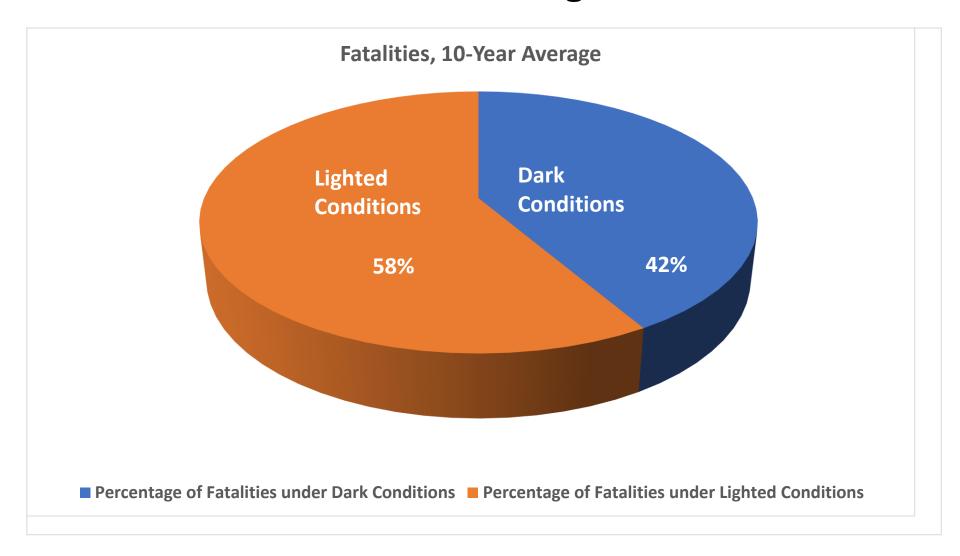
Under Dark Conditions- Occurrence of Fatalities & Serious Injuries, 2011-2020



Fatalities & serious in juries occurring at night & under dark conditions increased in 2020.

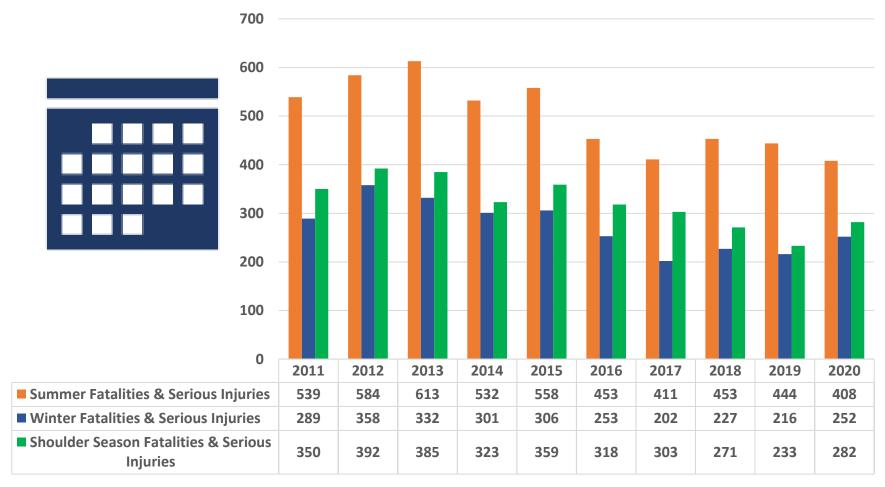
Data confirmed 8/30/2022

Lighting Conditions – Occurrence of Fatalities, 10-Year Average



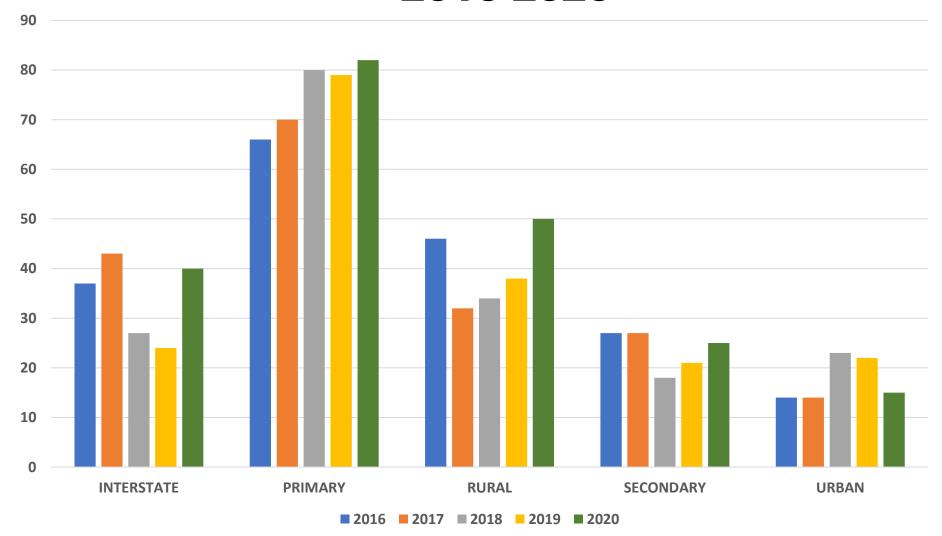
No significant change in time-of-day when fatalities occurred.

When Fatalities & Serious Injuries Occur, 2011-2020



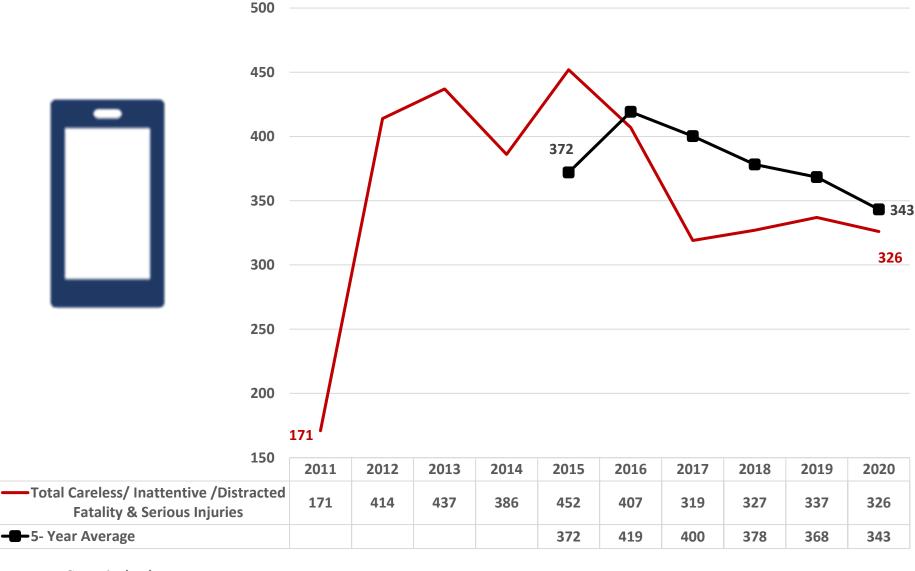
Fatalities & Serious Injuries occur most often during the Summer months of Jun, Jul, Aug & Sept when weather is good. Opposite of the adverse Winter weather months of Jan, Feb, Nov & Dec when people tend to be more cautious and drive less.

Fatal Crashes Occurred, past 5 Years, 2016-2020



Fatal crashes are up across the state. Fatal crashes occurring on urban area roads decreased in 2020 from the previous two years.

Careless/Inattentive/Distracted Driving Fatalities & Serious Injuries, 2011-2020

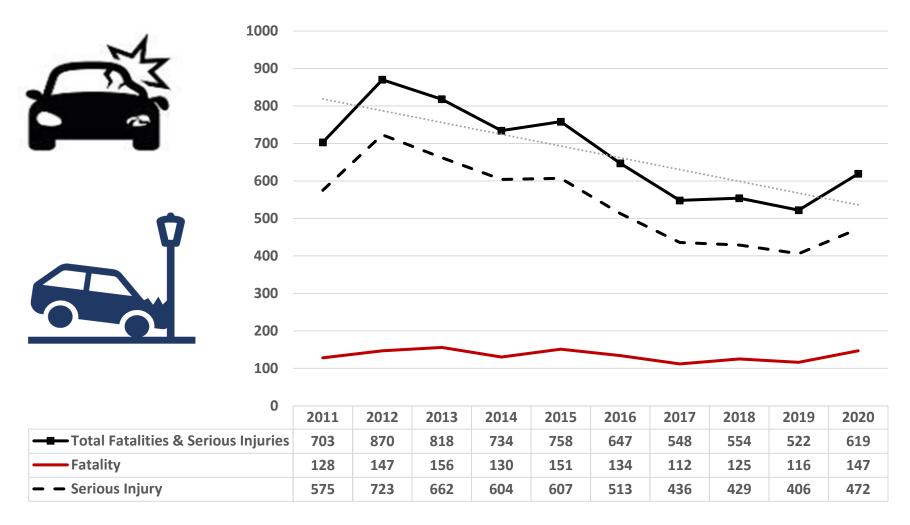


Single Vehicle Fatalities & Serious Injuries, 2011-2020



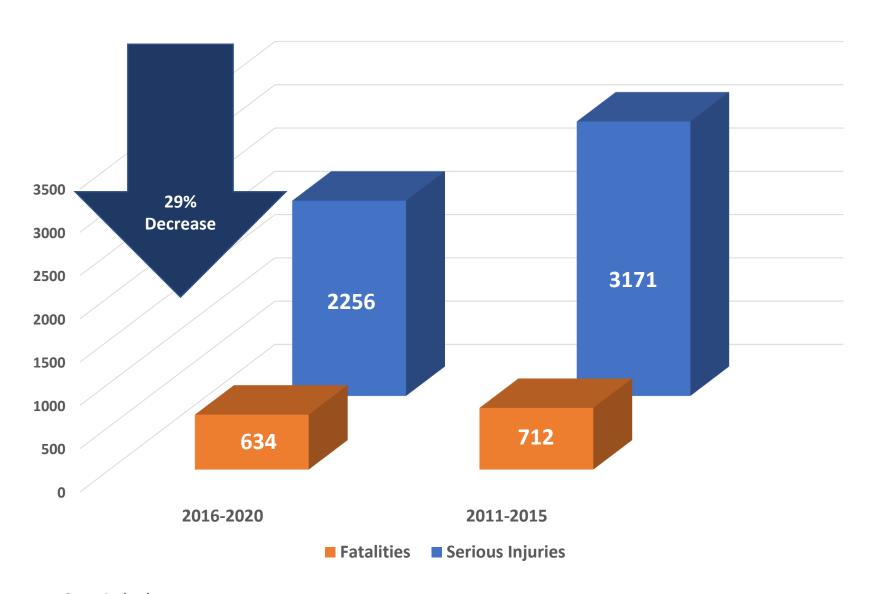


Single Vehicle Fatalities & Serious Injuries, 2011-2020



The total fatalities & serious injuries mirrors single vehicle serious injuries. 2020 reflects an upturn of both fatalities and serious injuries from the previous 3 years.

Single Vehicle Fatalities & Serious Injuries, 5-Year Comparison



Comprehensive Highway Safety Plan information http://www.mdt.mt.gov/visionzero/plans/chsp.shtml

For questions or more information please contact:

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