

# Metro Orlando Pedestrian and Bicyclist Fatalities: Crash Types and Characteristics



November 2018

# Guess the Posted Speed

Lee Vista Blvd.,  
Orlando  
Median to Curb = 26 ft.  
Curb to Curb = 99 ft.



# Guess the Posted Speed

Oak Street,  
Bozeman, MT  
Median to Curb = 28 ft.  
Curb to Curb = 88 ft.



# Guess the Posted Speed

US 441,  
Apopka  
Curb to Curb = 62 ft.



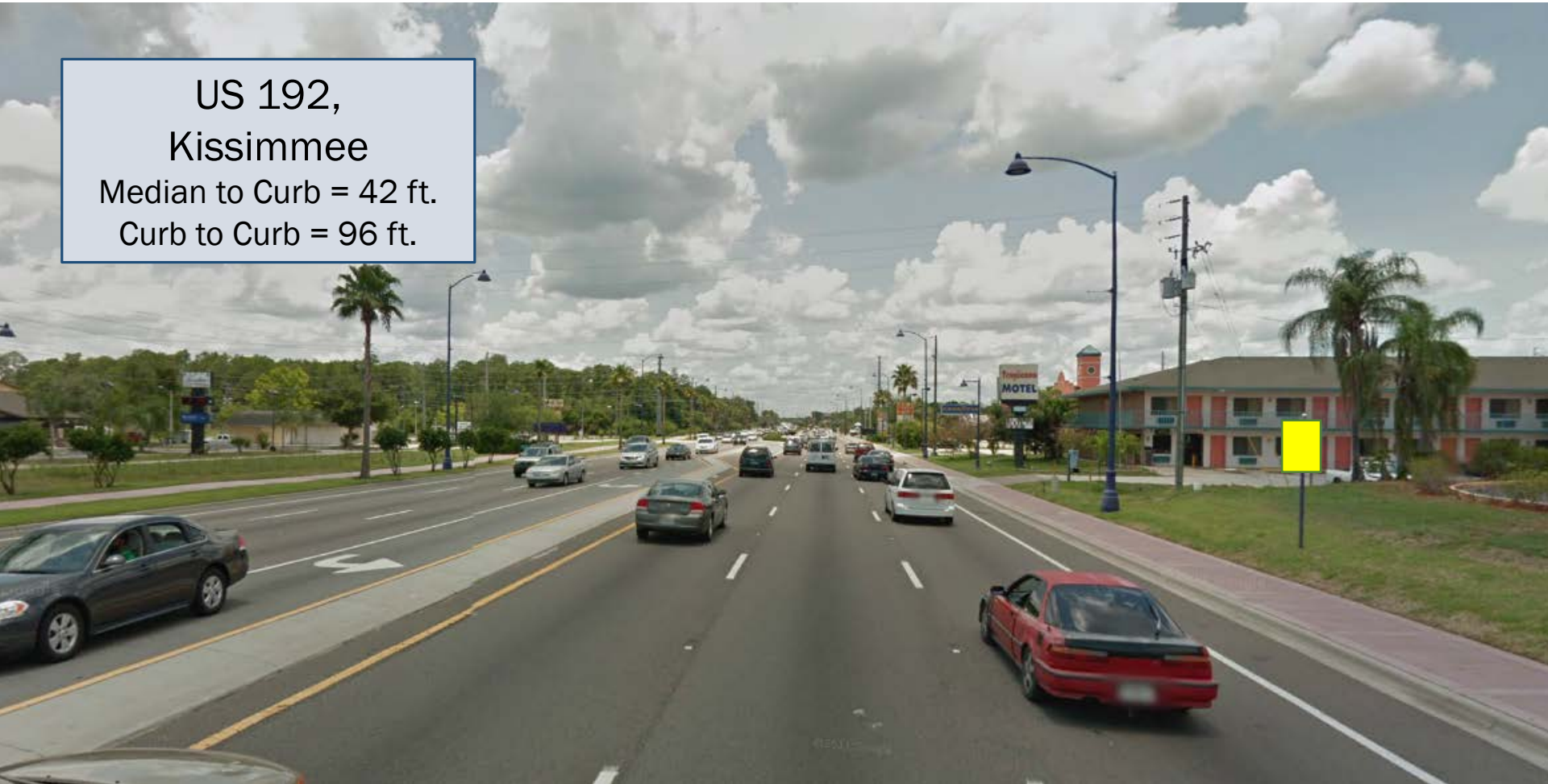
# Guess the Posted Speed

US 12,  
Missoula, MT  
Curb to Curb = 86 ft.



# Guess the Posted Speed

US 192,  
Kissimmee  
Median to Curb = 42 ft.  
Curb to Curb = 96 ft.



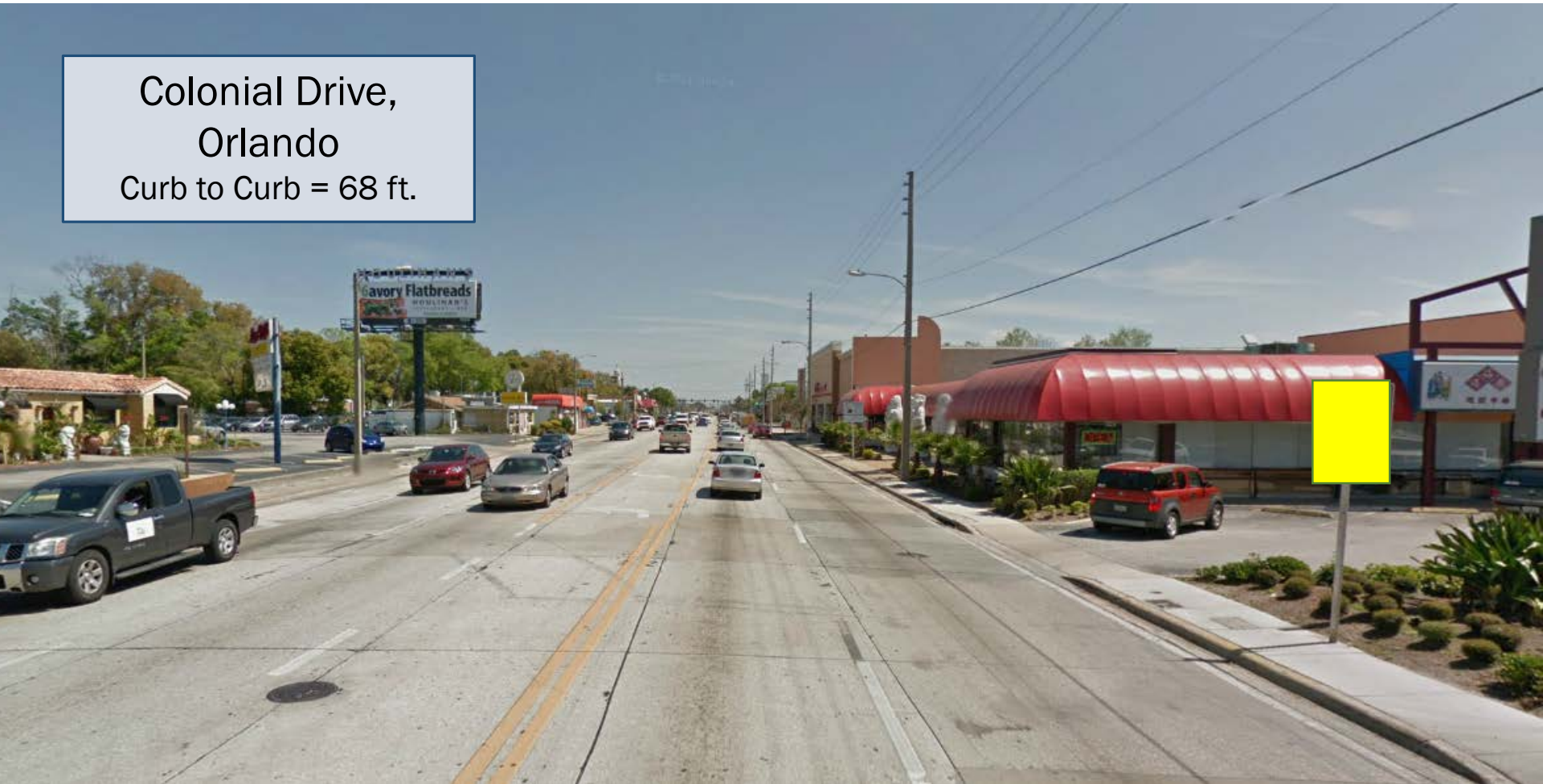
# Guess the Posted Speed

Westheimer Road,  
Houston, TX  
Median to Curb = 44 ft.  
Curb to Curb = 105 ft.



# Guess the Posted Speed

Colonial Drive,  
Orlando  
Curb to Curb = 68 ft.





# Guess the Posted Speed

US 40  
Granby, CO  
Curb to Curb = 72 ft.



# Data

## 402 Pedestrian Fatalities

- 2011 through 2017
- Excluding parking lots, other non-right-of-way, and limited access highway crashes
- 9% of reported crashes

## 115 bicyclist fatalities

- 2008 through 2017
- <2% of reported crashes

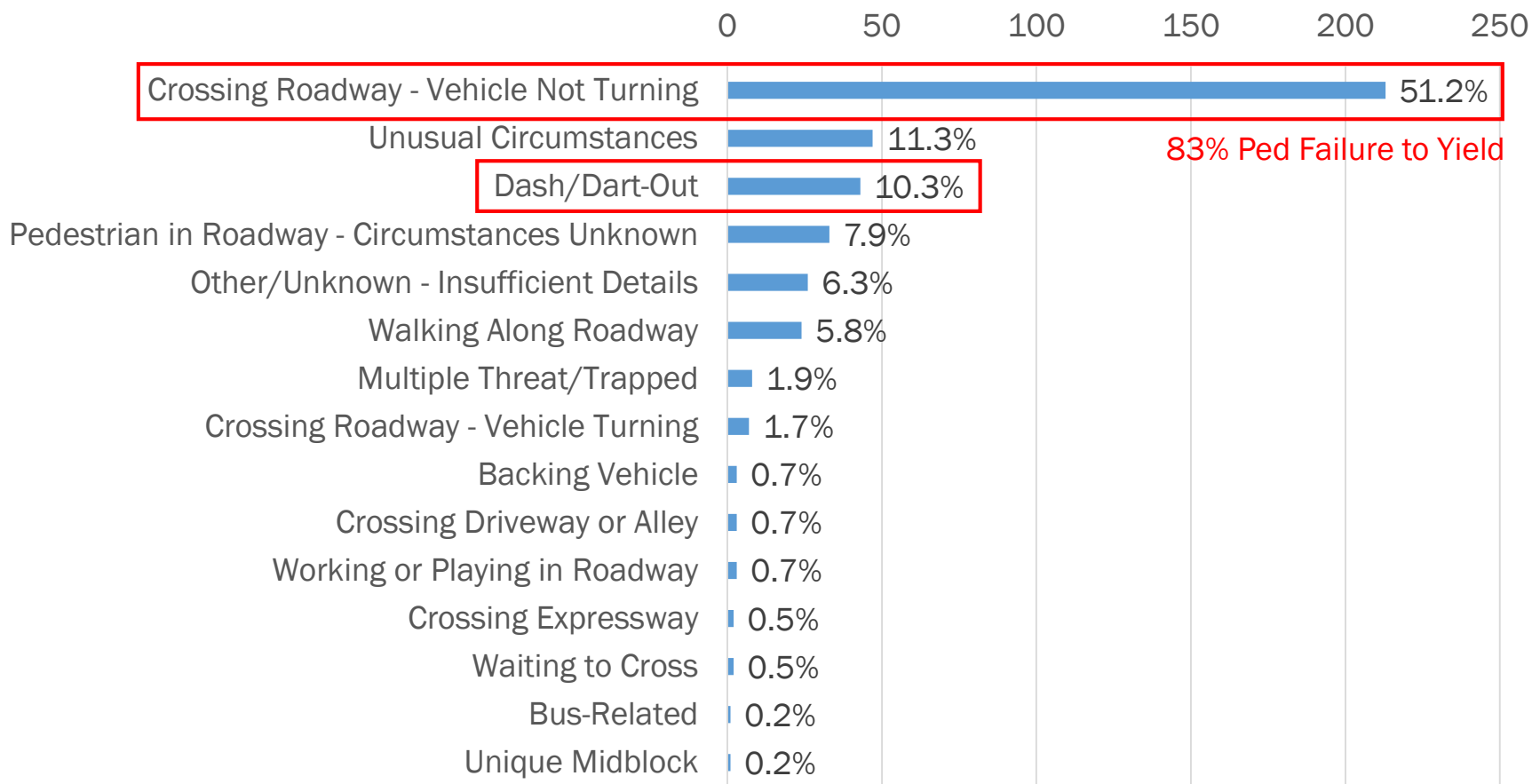


# Pedestrian Fatalities by Crash Type Group

(Excluding Non-Roadway and Limited Access Highways)

402 Crashes in 7 Years

Pedestrian Crash Type Groups

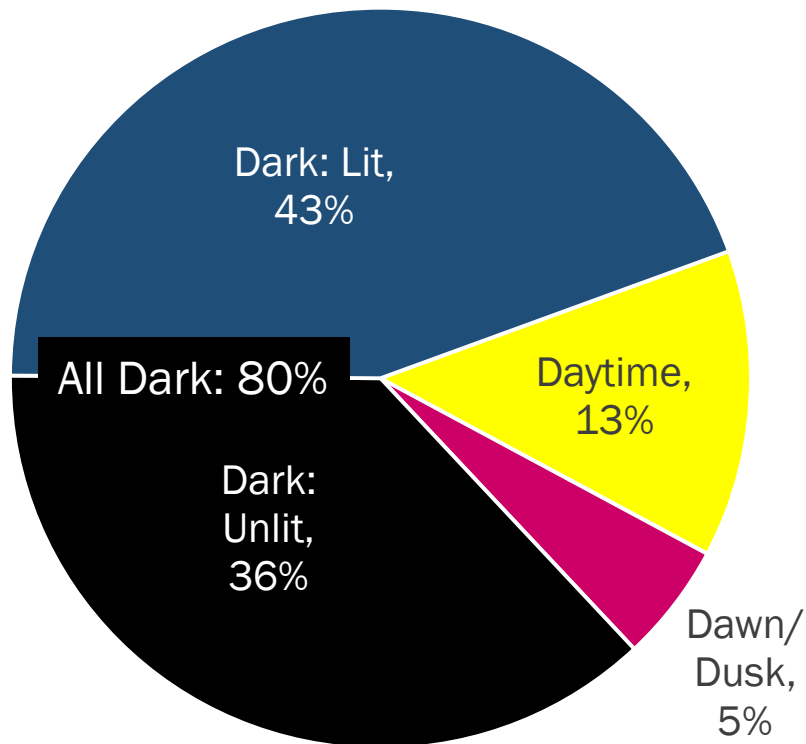


# Pedestrian Fatalities: Lighting & Speed

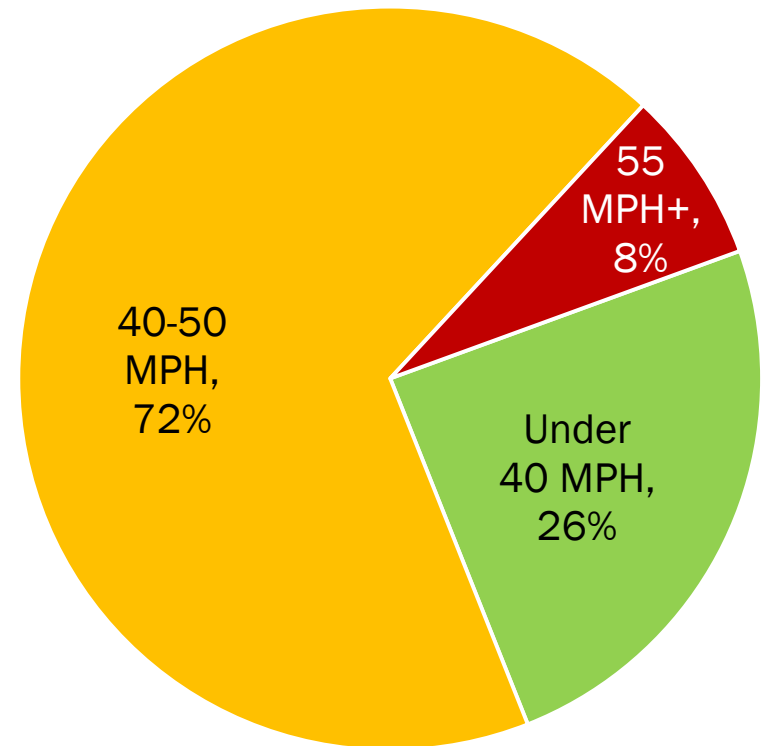
(Excluding Non-Roadway and Limited Access Highways)

402 Crashes in 7 Years

## Lighting



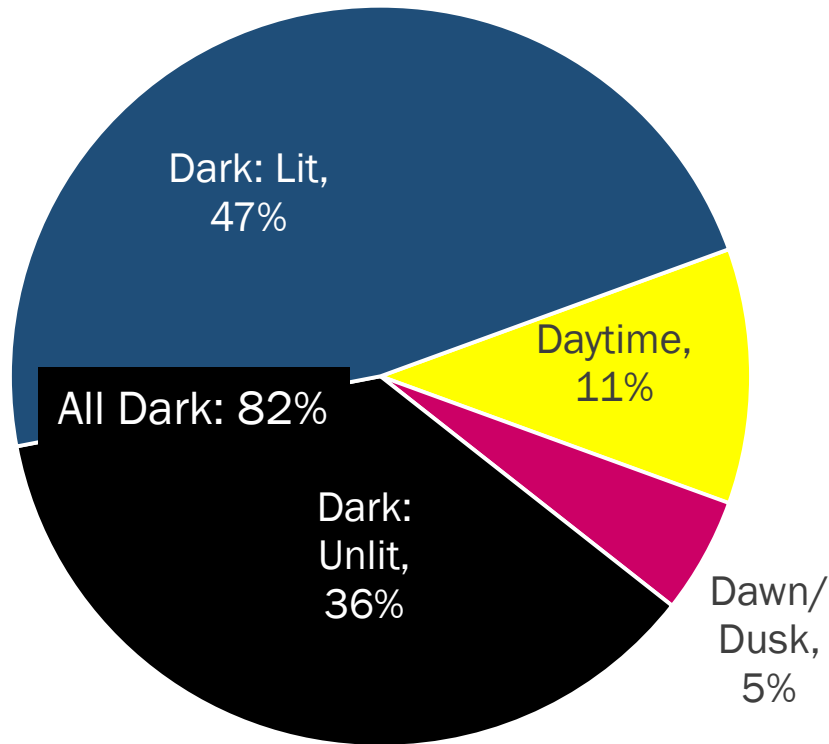
## Posted Speed



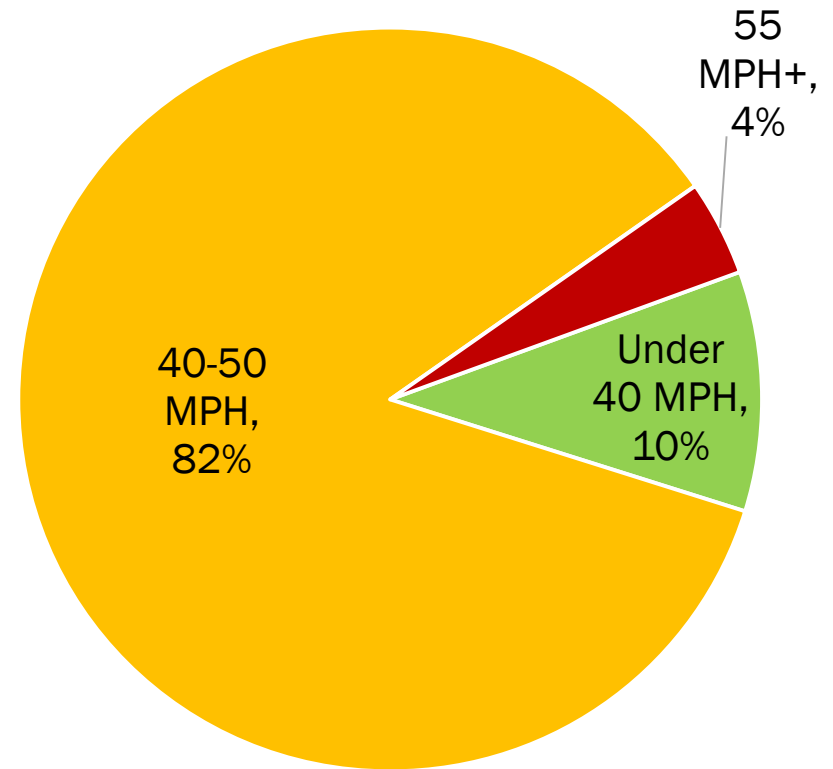
# Pedestrian Fatalities: Lighting & Speed

## Crossing Roadway – Vehicle Not Turning

### Lighting

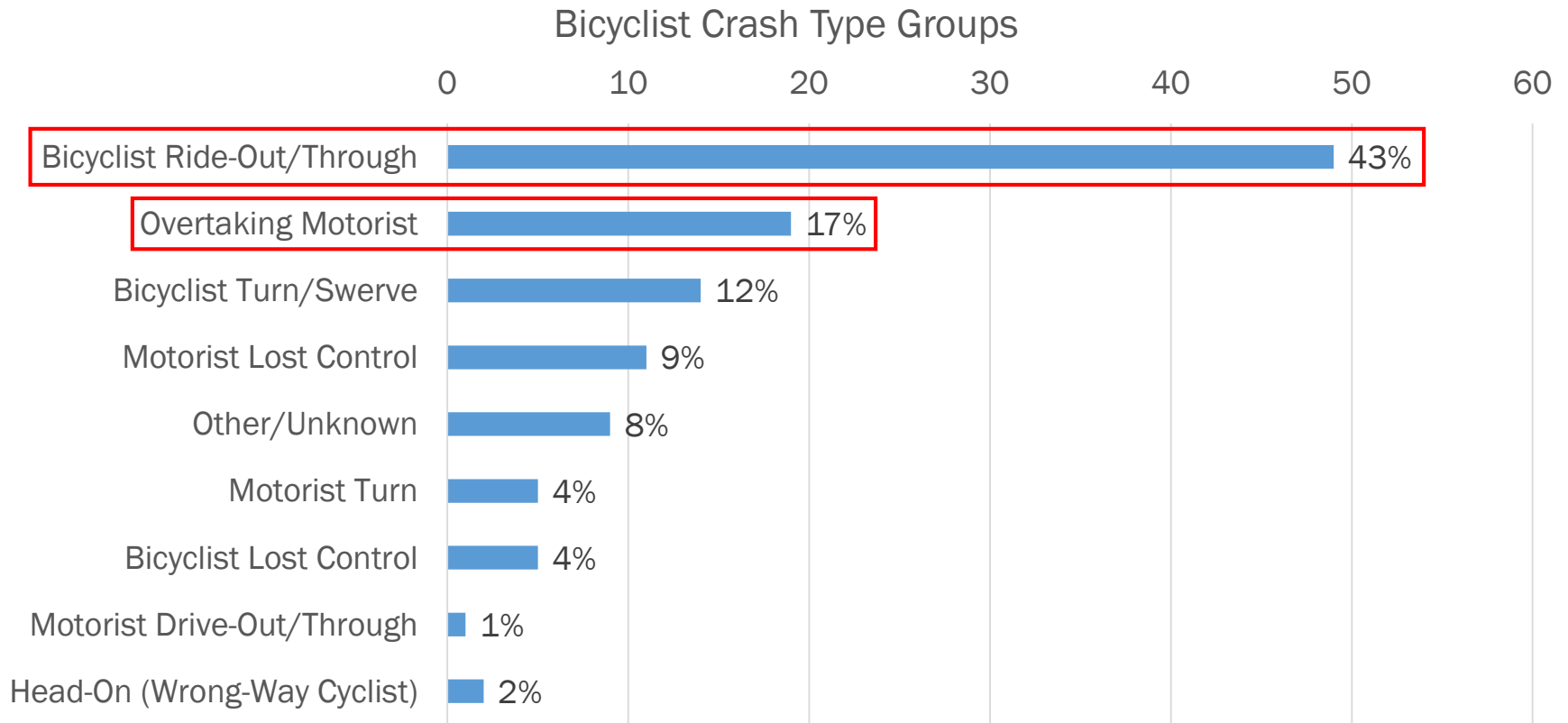


### Posted Speed



# Bicyclist Fatalities by Crash Type Group

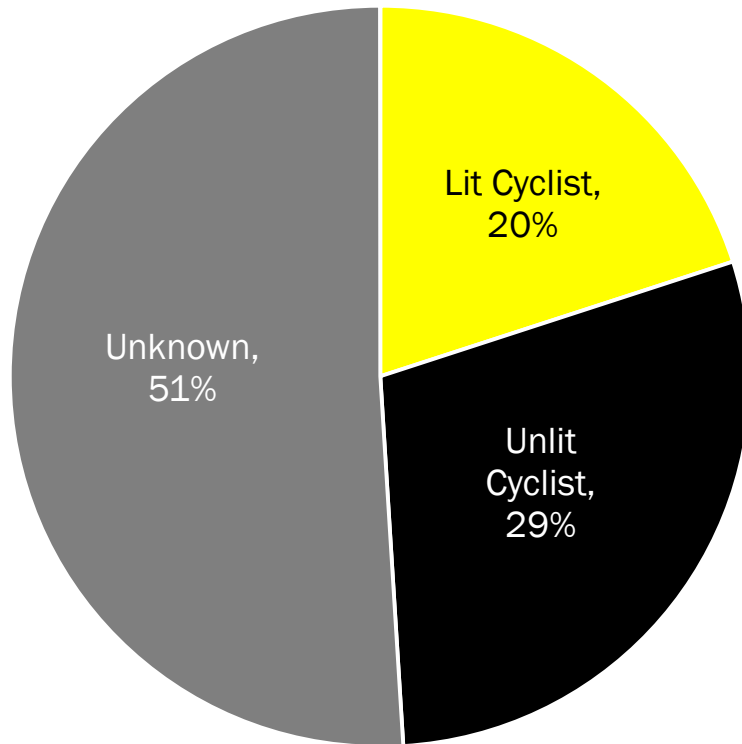
115 Crashes in 10 Years



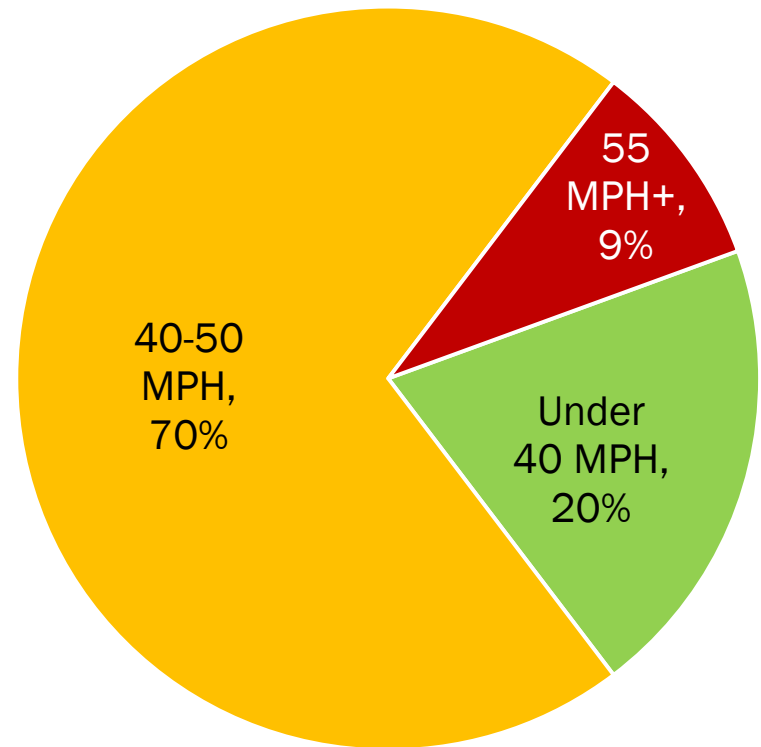
# Bicyclist Fatalities: Lighting & Speed

115 Crashes in 10 Years

## Cyclist Lighting



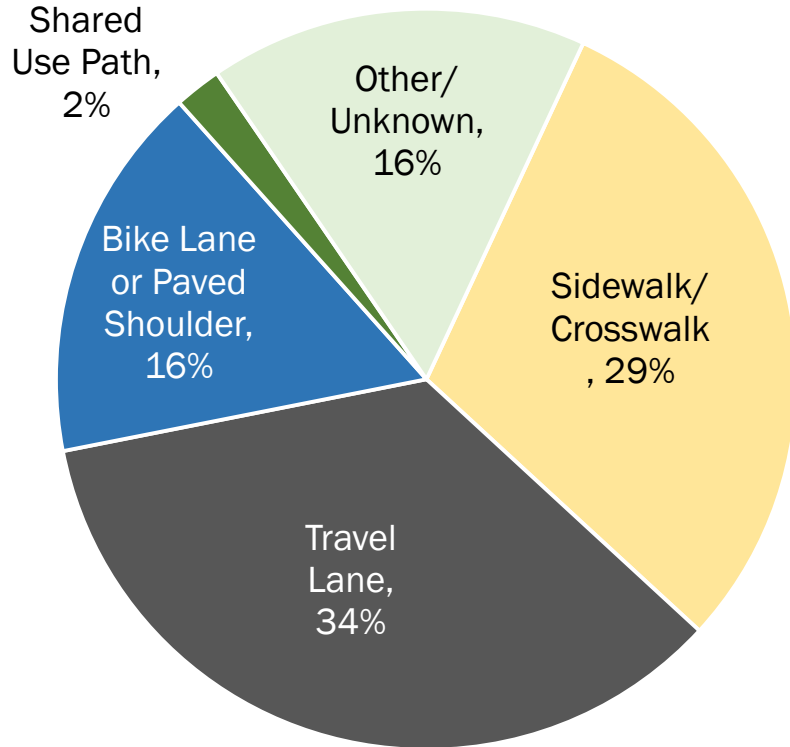
## Posted Speed



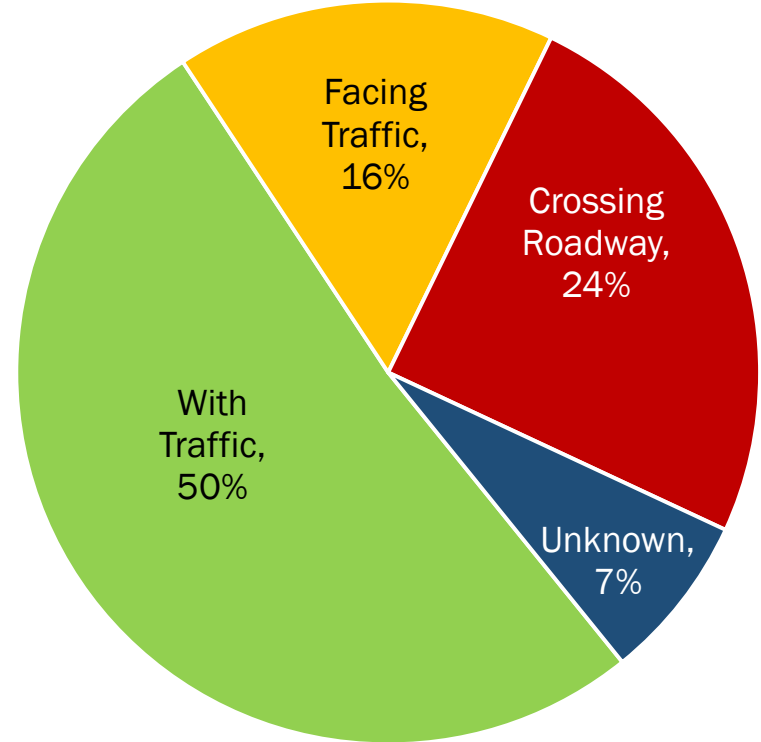
# Bicyclist Fatalities: Position & Direction

## 115 Crashes in 10 Years

### Bicyclist Position



### Bicyclist Direction

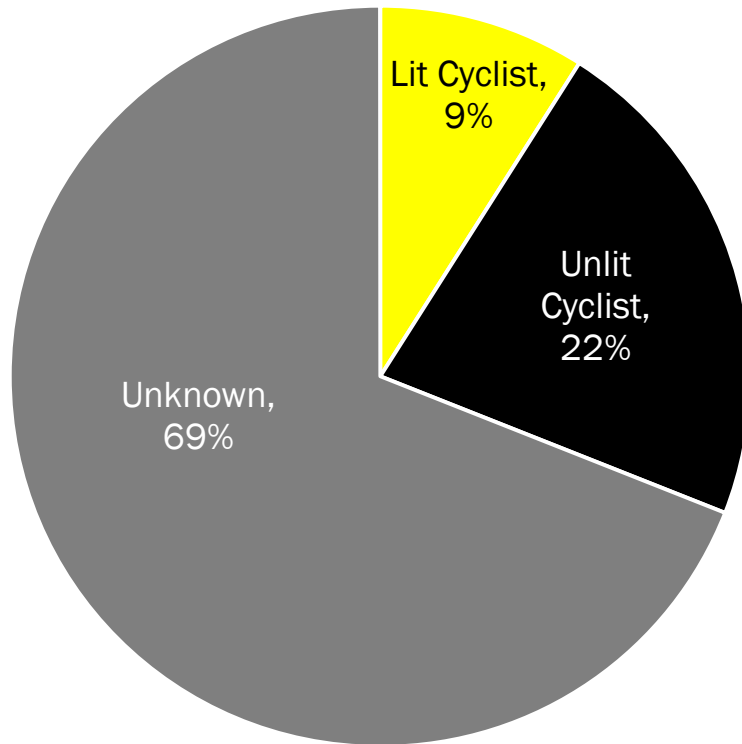




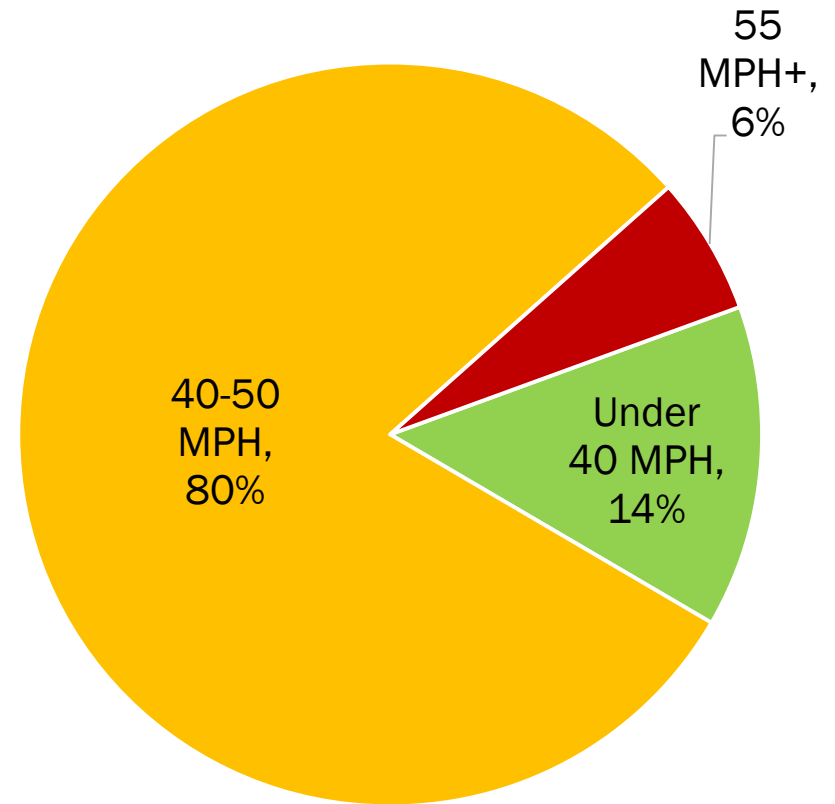
# Bicyclist Fatalities: Lighting & Speed

## Bicyclist Ride-Out/Through 51 Crashes in 10 Years

Cyclist Lighting



Posted Speed

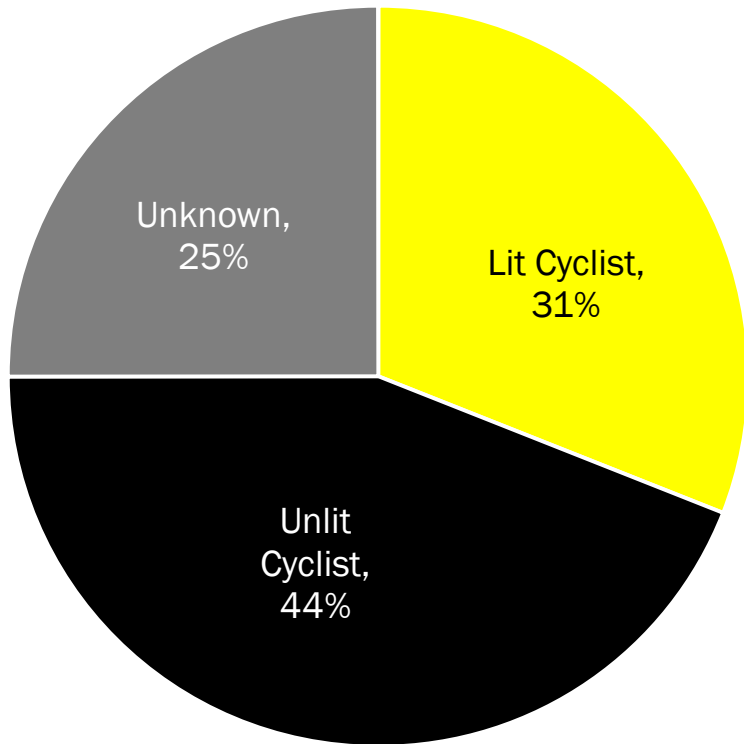


# Bicyclist Fatalities: Lighting & Speed

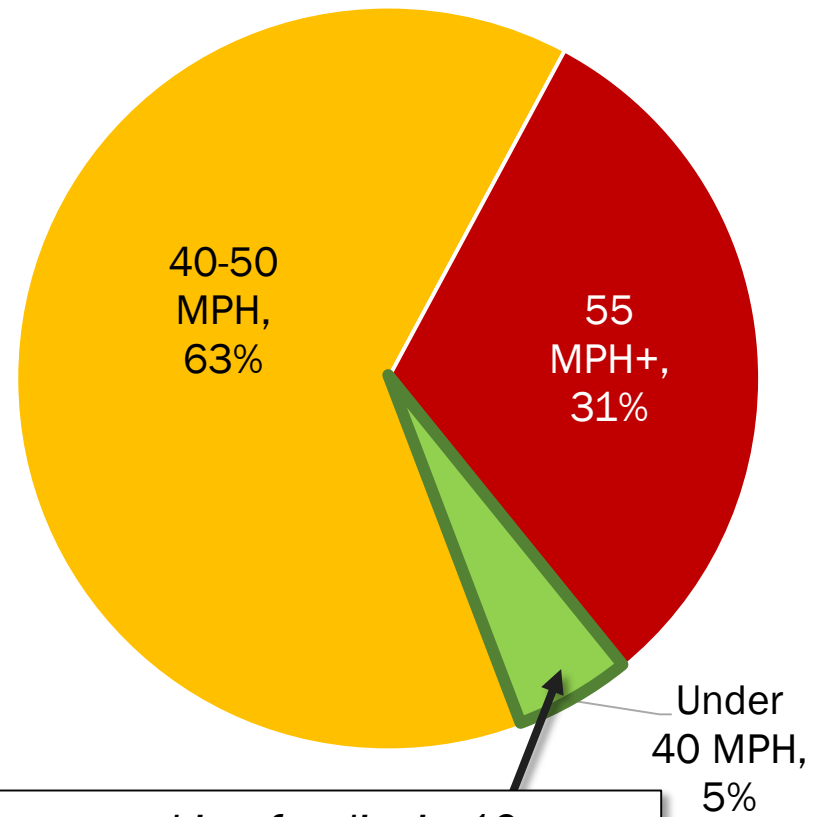
## Overtaking Motorist

### 19 Crashes in 10 Years

Cyclist Lighting



Posted Speed



One overtaking fatality in 10 years

# Intoxication and Hit & Run

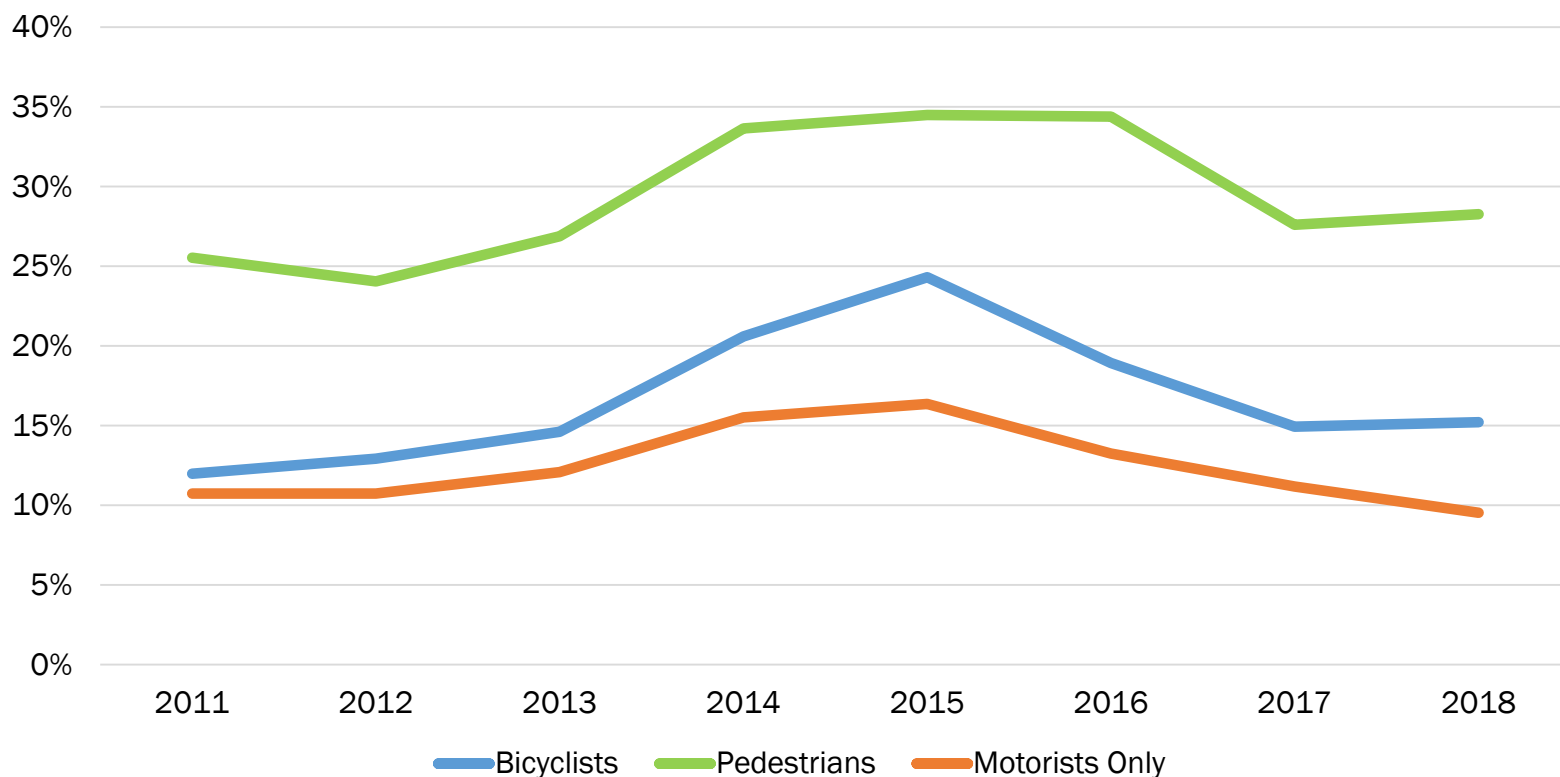


|                       | Non-Motorist<br>BAC 0.08+ | Motorist BAC<br>0.08+ | Hit &<br>Run |
|-----------------------|---------------------------|-----------------------|--------------|
| Pedestrian Fatalities | 24%                       | 1%                    | 14%          |
| Bicyclist Fatalities  | 31%                       | 10%                   | 18%          |

# Recent Bump in Pedestrian and Bicyclist Fatalities Likely Tied to Overall Bump in Crash Severity



## Percent of Injury Crashes with Fatal or Incapacitating Injuries



# Key Points: Pedestrians

- Pedestrian failure to yield accounts for more than half of deaths, mostly at night on high-speed roads
- Pedestrian intoxication accounts for a quarter of deaths, but is not driving the recent increase in fatal crashes



# Key Points: Bicyclists

- Bicyclist failure to yield accounts for more than half of deaths, mostly at night on high-speed roads
- Bicyclist intoxication accounts for almost a third of deaths, but is not driving the recent increase in fatal crashes
- Unlit cyclists continues to be a significant factor



# 2018 So Far

Through October compared to 2017:

- Pedestrian Fatalities ▼ 23%  
(70 to 54)
- Pedestrian Injuries ▼ 6%  
(718 to 673)
- Bicyclist Fatalities ▼ 42%  
(12 to 7)
- Bicyclist Injuries ▲ 2%  
(546 to 558)



# Thank You

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