



PEDESTRIAN & BICYCLE CRASH FACTS

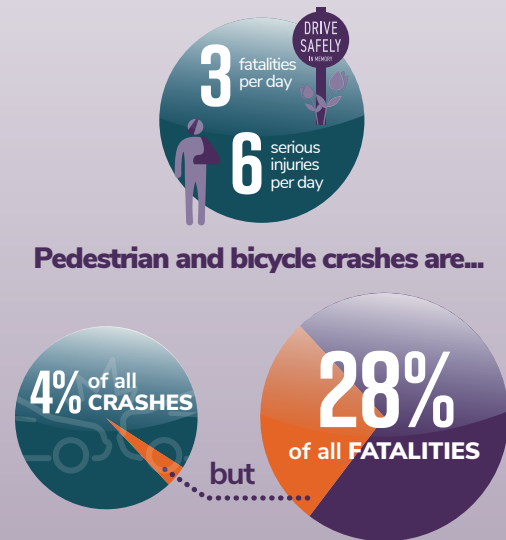
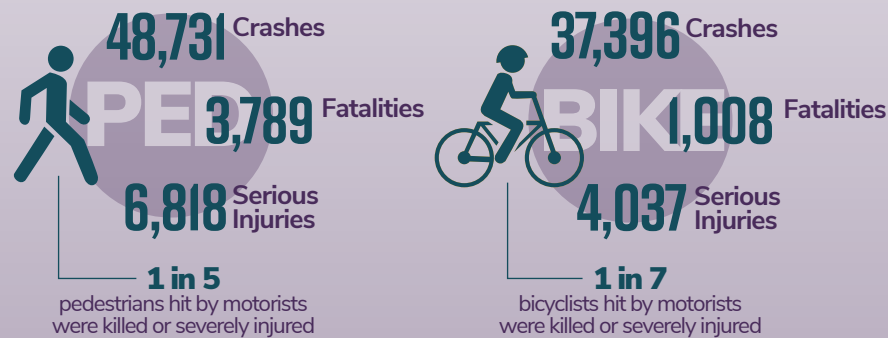
Pedestrian and bicycle crashes are a top emphasis area of Florida's Strategic Highway Safety Plan. The Root Cause Analysis is a methodology to identify top contributing factors present in pedestrian and bicycle crashes to help inform strategic investments and decisions to improve our effectiveness toward Florida's target of ZERO roadway fatalities and serious injuries.



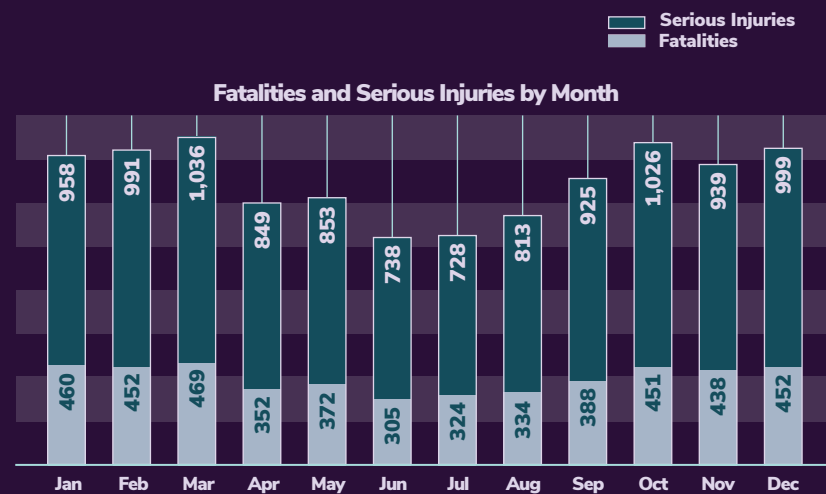
2020-2024 SIGNAL FOUR (S4) ANALYTICS – FATALITIES AND SERIOUS INJURIES

STATEWIDE (ALL PUBLIC ROADS)

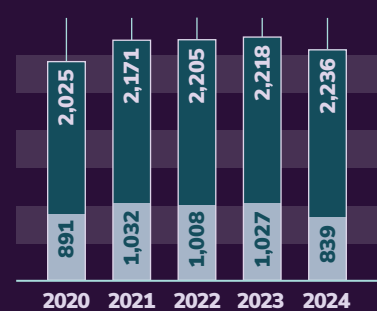
OVERVIEW



WHEN DID CRASHES OCCUR?



Fatalities and Serious Injuries by Year

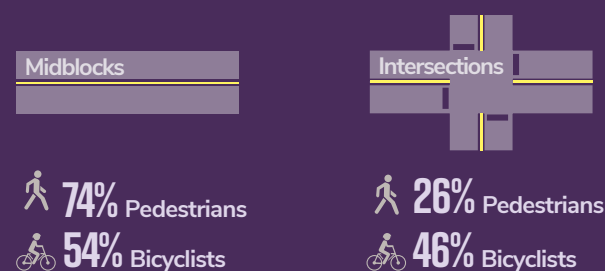


Crashes commonly occur on **THU, FRI & SAT**

Crashes commonly occur from **3 PM-12 AM**

78% of fatalities occur from **6 PM-7 AM**

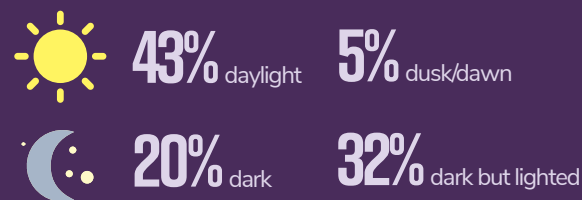
Roadway Location



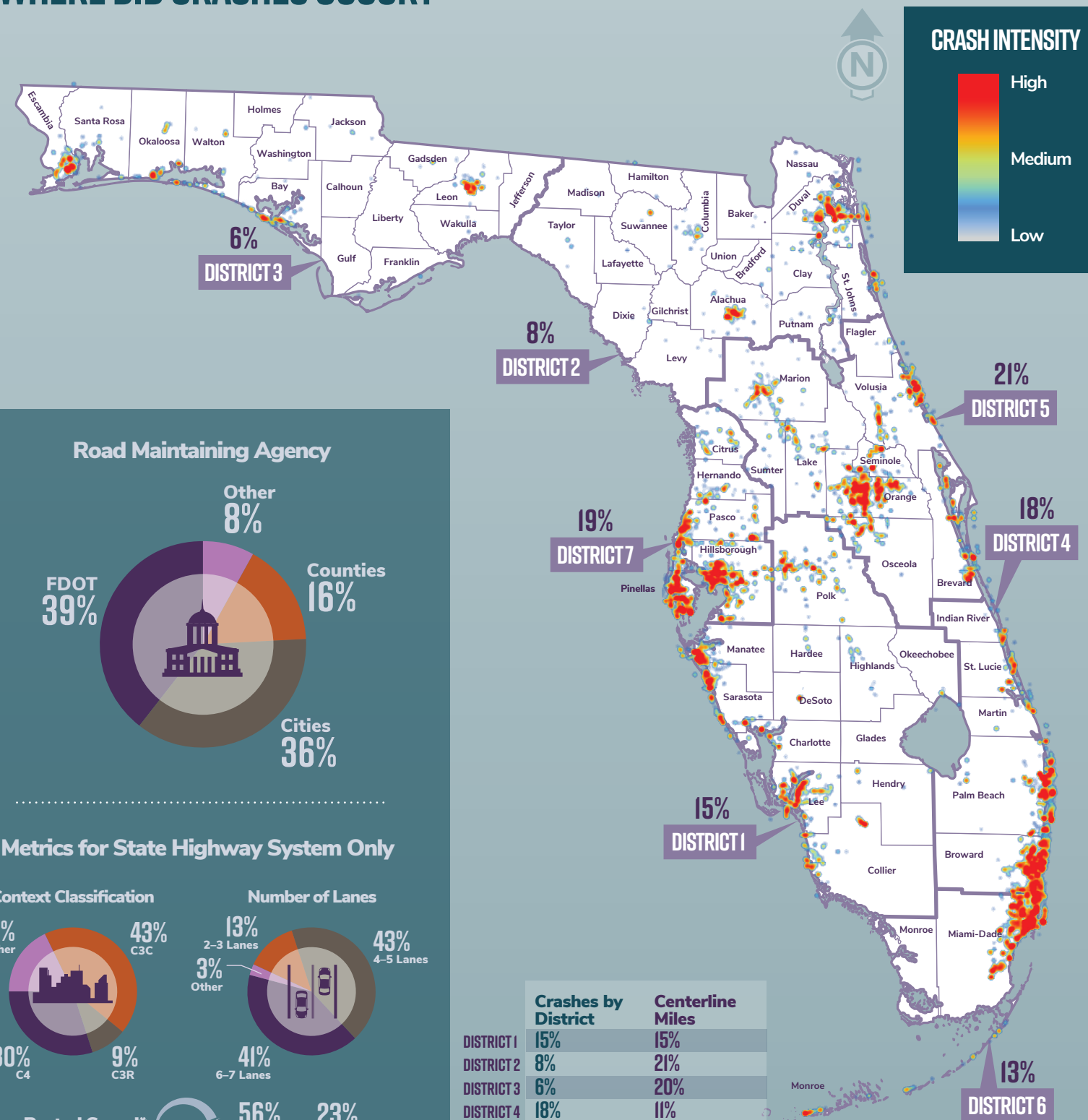
Environment



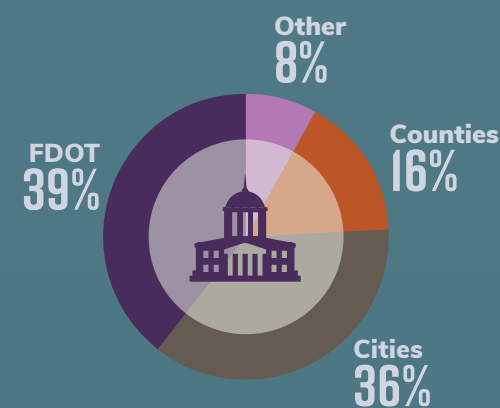
Lighting Conditions During Fatal Crashes



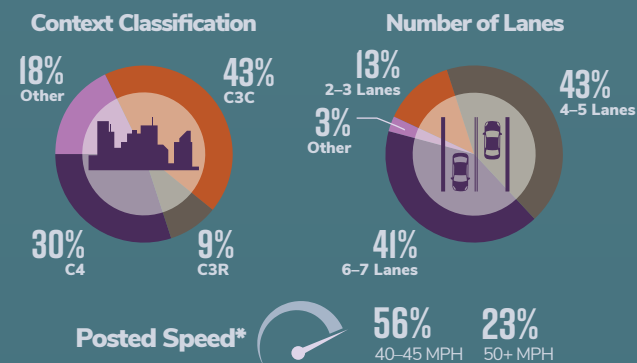
WHERE DID CRASHES OCCUR?



Road Maintaining Agency



Metrics for State Highway System Only



*Driver speed, even if not 'speeding,' is a significant factor in the severity of injuries to vulnerable road users.

District	Crashes by District	Centerline Miles
DISTRICT 1	15%	15%
DISTRICT 2	8%	21%
DISTRICT 3	6%	20%
DISTRICT 4	18%	11%
DISTRICT 5	20%	18%
DISTRICT 6	13%	6%
DISTRICT 7	19%	9%

DRAFT MAY 2025

WHO WERE INVOLVED?



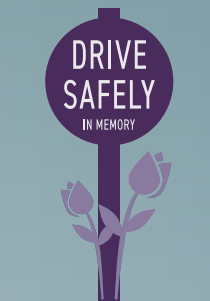
PEDESTRIAN
PROFILE



BICYCLIST
PROFILE



DRIVER
PROFILE



FATALITIES

Male age range:
50-64 YEARS

Percent male:
72%

Percent male that
reside in Florida:
94%

Female age range:
45-64 YEARS

Percent female:
28%

Percent female that
reside in Florida:
91%

Male age range:
50-69 YEARS

Percent male:
88%

Percent male that
reside in Florida:
96%

Female age range:
**35-44 YEARS
60-64 YEARS**

Percent female:
12%

Percent female that
reside in Florida:
96%

Male age range:
20-39 YEARS

Percent male:
65%

Percent male that
reside in Florida:
93%

Female age range:
20-39 YEARS

Percent female:
35%

Percent female that
reside in Florida:
94%



AGE/GENDER



VEHICLE TYPE

Passenger Car in
48% of crashes

SUV/Pickup Truck in
41% of crashes



VEHICLE YEAR

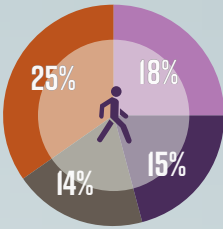
2015-2019 in
32% of fatalities

2020-2024 in
16% of fatalities



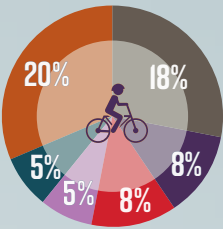
VEHICLE
PROFILE

Pedestrian Action
Contributes
to 72% of Crashes*



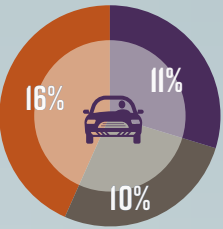
In Roadway Improperly
Dart/Dash
Failure to Yield ROW
Other Actions

Bicyclist Action
Contributes
to 63% of Crashes*



Failure to Yield ROW
Dart/Dash
Violate Traffic Control Device
Wrong Way Riding
Not Visible
Other Actions

Driver Action
Contributes
to 37% of Crashes*



Careless Driving
Failure to Yield ROW
Other Actions

*As reported by law enforcement in crash reports.

ROADWAY CHARACTERISTICS
OF OVERREPRESENTED AND HIGHEST CRASHES (SHS)

SUBURBAN COMMERCIAL (C3C) CONTEXT CLASS

43% of severe and fatal crashes
occur on C3C roadways



which are **19%** of the network

POSTED SPEEDS OF 45-50 MPH

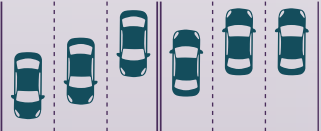
45% of severe and fatal crashes occur on
roadways with a posted speed of



which are **25%** of the network

ROADWAYS WITH 5-6 TRAVEL LANES

42% of severe and fatal crashes
occur on 5-6 lane roadways



which are **19%** of the network

URBAN GENERAL (C4) CONTEXT CLASS

30% of severe and fatal crashes
occur on C4 roadways



which are **9%** of the network

POSTED SPEEDS OF 35-40 MPH

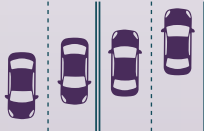
32% of severe and fatal crashes occur
on roadways with a posted speed of



which are **12%** of the network

ROADWAYS WITH 3-4 TRAVEL LANES

42% of severe and fatal crashes
occur on 3-4 lane roadways



which are **37%** of the network



72% of severe and fatal crashes
occur on roadways with transit routes.



which are **51%** of the network

CENSUS DESIGNATED FACTORS

- % of population **above age 65**
- % of households **below poverty level**
- % of population **with disabilities**
- % of **minority** population
- % of population with **limited English proficiency**
- % of households **with no vehicles**



Census Tracts with
4 OR MORE FACTORS*

8 Fatalities and
Serious Injuries
/10,000 population



Census Tracts with
LESS THAN 4 FACTORS*

4 Fatalities and
Serious Injuries
/10,000 population

*Represents Census Tracts within a County where a factor
falls below that County's Average.