

# Central Ohio Transportation Safety Plan


Gahanna 9/23/2019



MID-OHIO REGIONAL  
**MORPC**  
PLANNING COMMISSION

# Trends in Regional Safety

BETWEEN 2013 – 2017 IN CENTRAL OHIO:

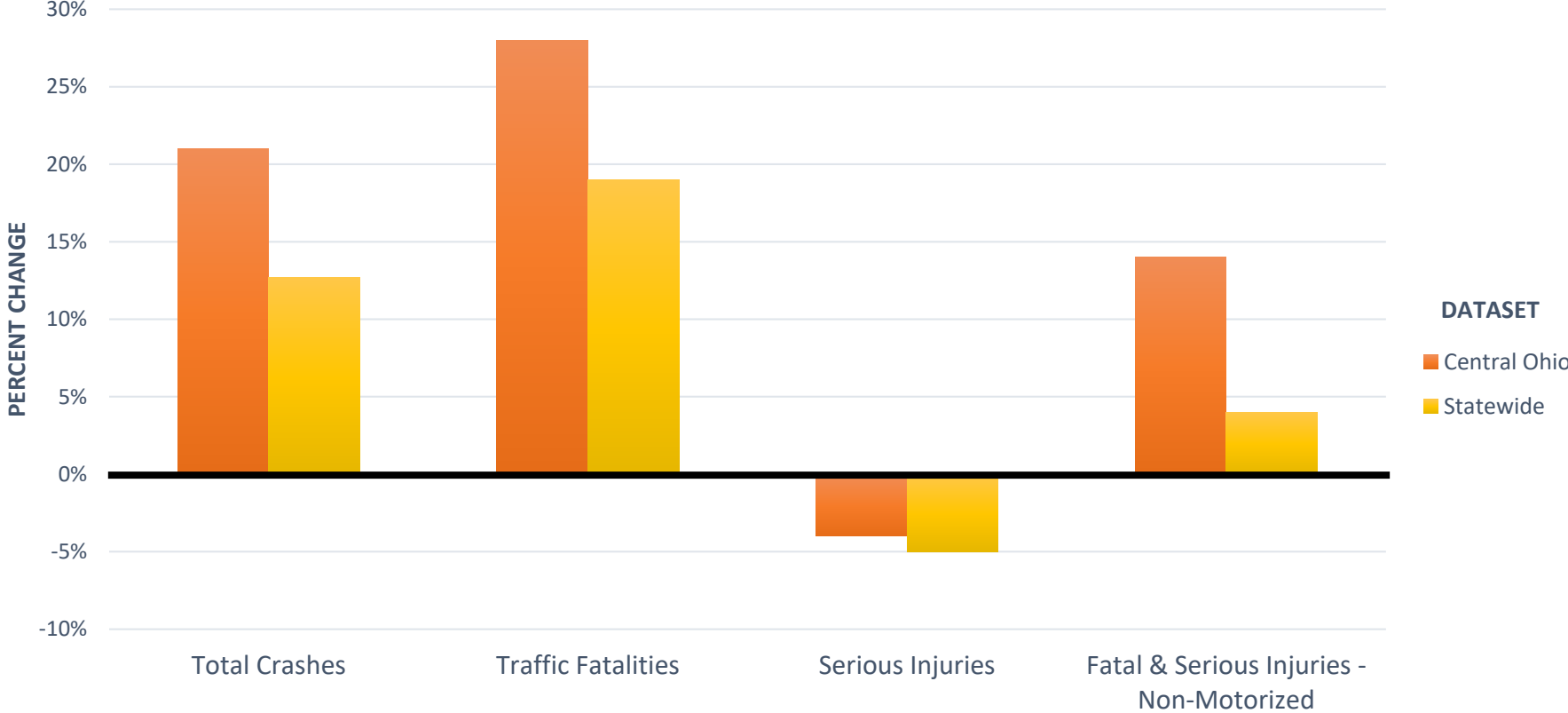
- 196,792 crashes were reported  **an overall increase of 21%**
- 498,131 people were involved  **an overall increase of 20%**
- 528 people were killed  **an overall increase of 28%**
- 4,323 people were seriously injured  **an overall decrease of 4%**



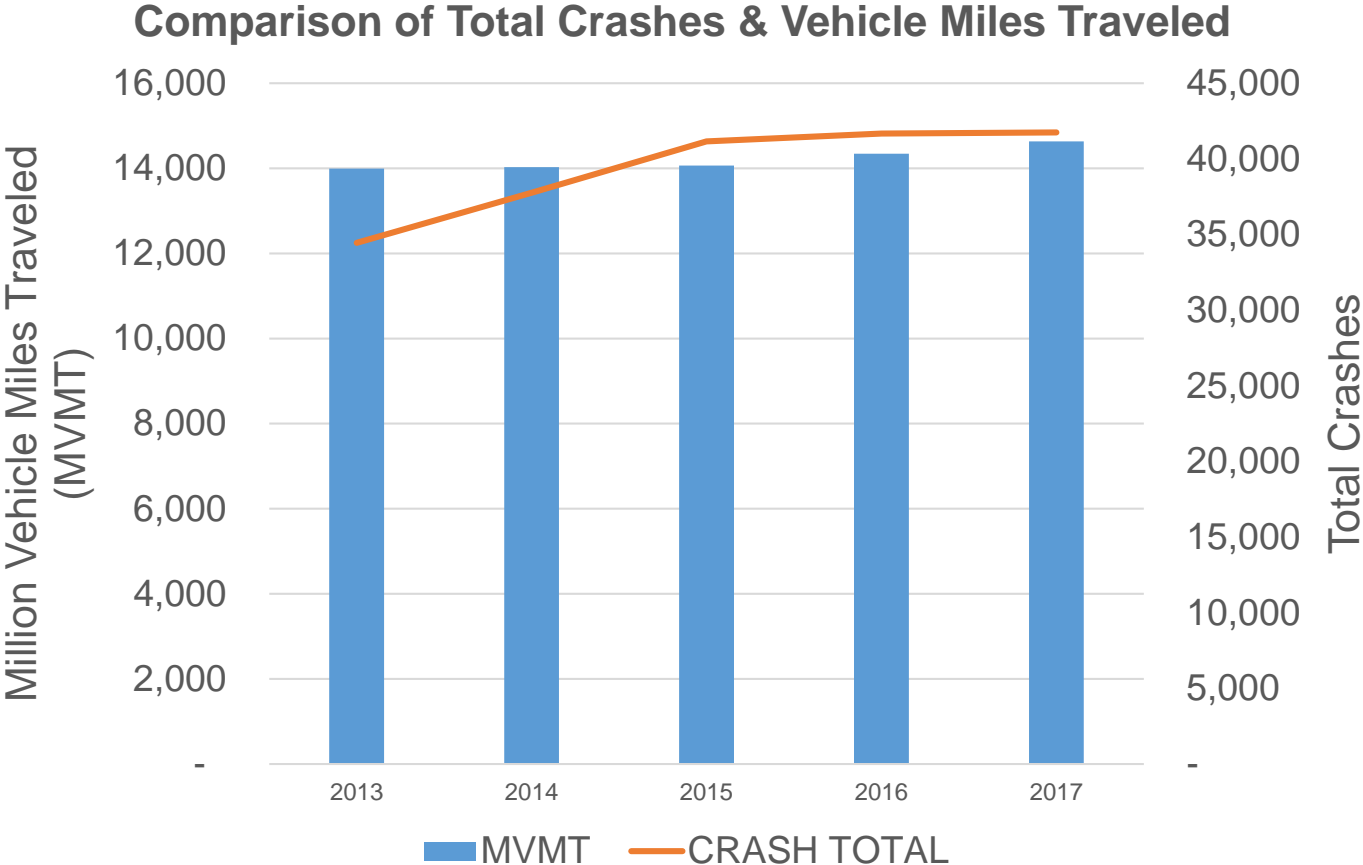
# Central Ohio vs Statewide



### Crash Data Trends, Central Ohio vs Statewide 2013-2017



# Is there a correlation between rate of growth and crashes?



# Costs of These Trends

BETWEEN 2013 – 2017 IN CENTRAL OHIO:

- 196,792 crashes were reported ↑ an overall increase of 21%  
**= \$8 billion**
- 498,131 people were involved ↑ an overall increase of 20%
- 528 people were killed ↑ **= \$855 million** increase of 28%
- 4,323 people were seriously injured ↓ **= \$626 million** increase of 4%



# Central Ohio Transportation Safety Plan

## Planning Process



1. Engage & Establish Leadership
  - Regional safety stakeholders
2. Data Compilation and Analysis
  - Analyze crash data & determine emphasis areas
3. Priority Safety Location Identification
  - Identify emphasis *locations*
4. Regional Safety Action Plan and Safety Strategy Development
  - Identify and prioritize strategies
5. Implementation and Evaluation
  - Implementation Committee

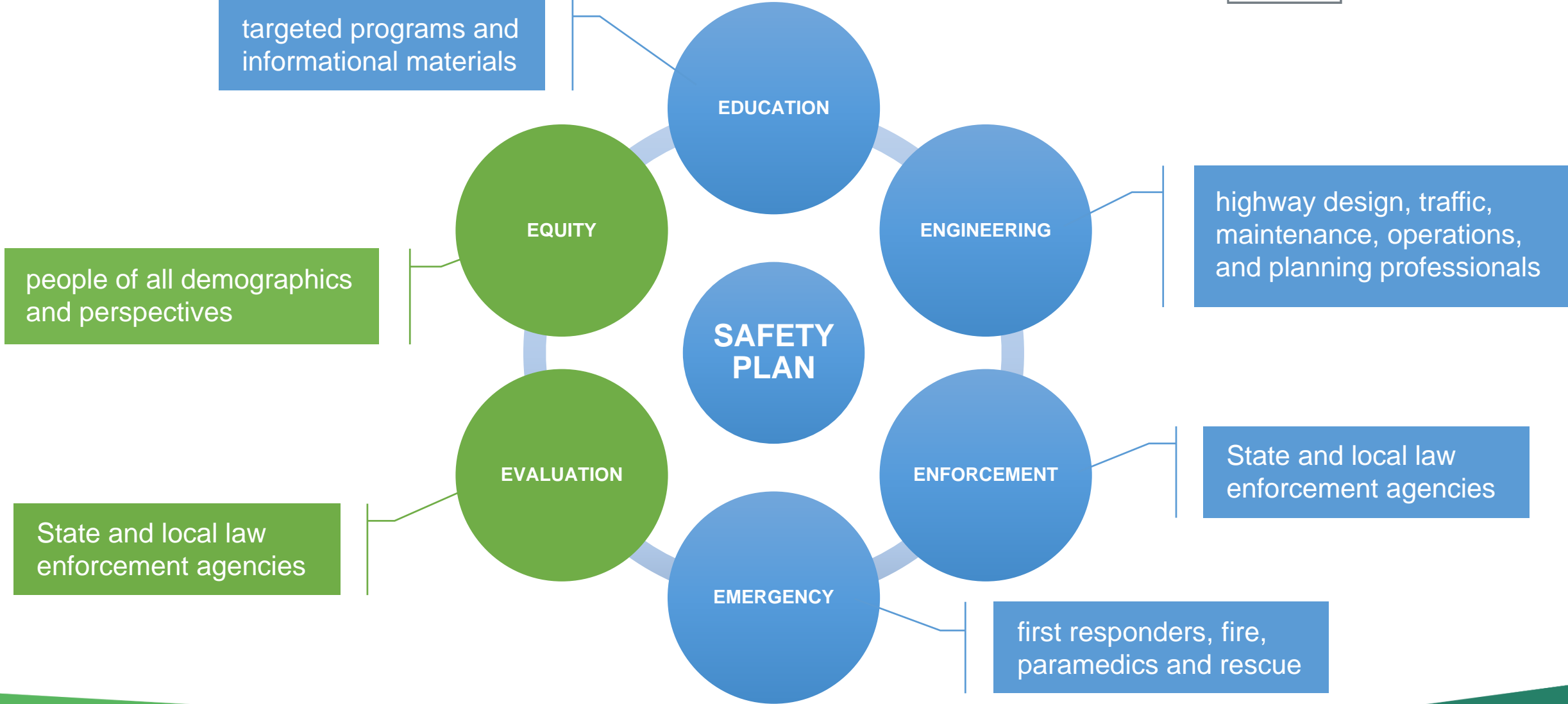


FHWA, Local Road Safety Plans

# Six E's of Safety



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# Regional Safety Priorities / Emphasis Areas



## Serious Crash Types

- Fixed Object
- Rear End
- Angle
- Left Turn
- Head On



## Driving Safety Concerns

- Impaired Driving (Alcohol/Drug)
- Restraint/Seat Belt
- Speed
- Age
- Distracted Driving



## Vulnerable Roadway Users

- Pedestrians
- Bicyclists
- Motorcyclists



## Emerging Technologies

- Autonomous/Connected Vehicle
- Electric Vehicles
- Electric Scooters



# Serious Crash Types

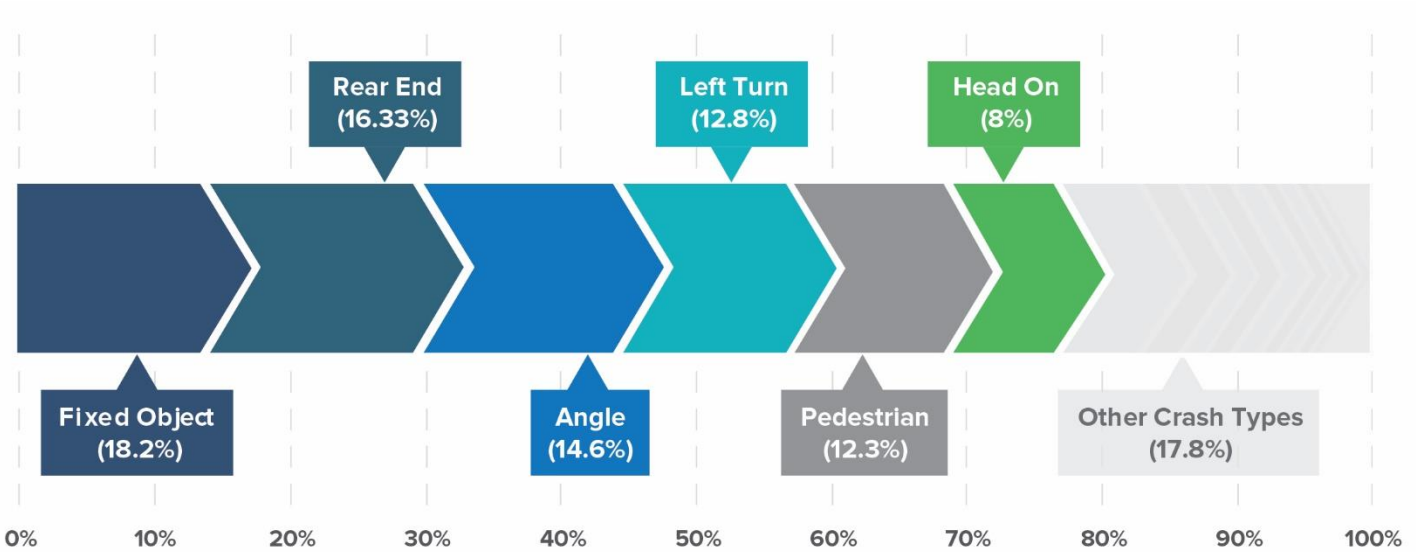


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Fixed Object  
Rear End  
Angle  
Left Turn  
Head On

### Total Fatalities and Serious Injuries by Crash Type (2013-2017)

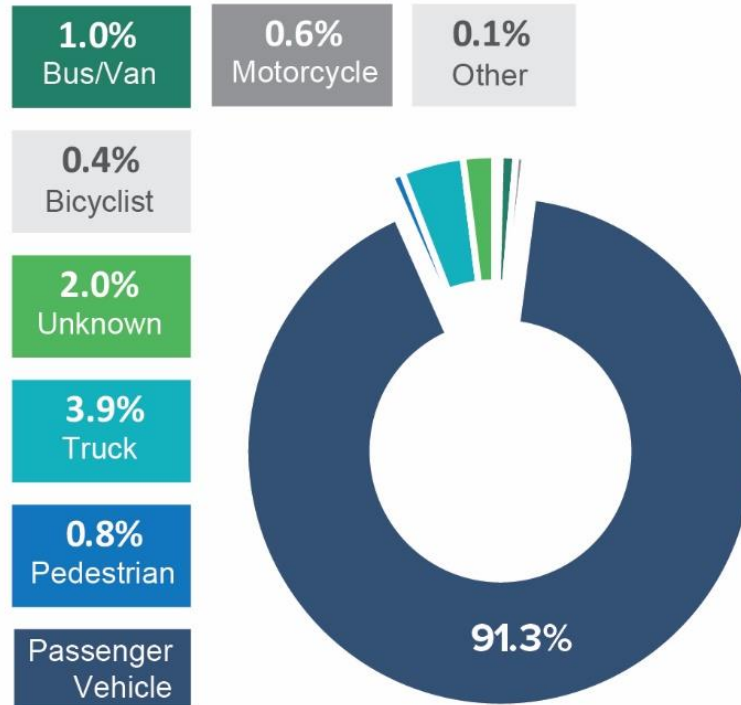


# Vulnerable Roadway Users

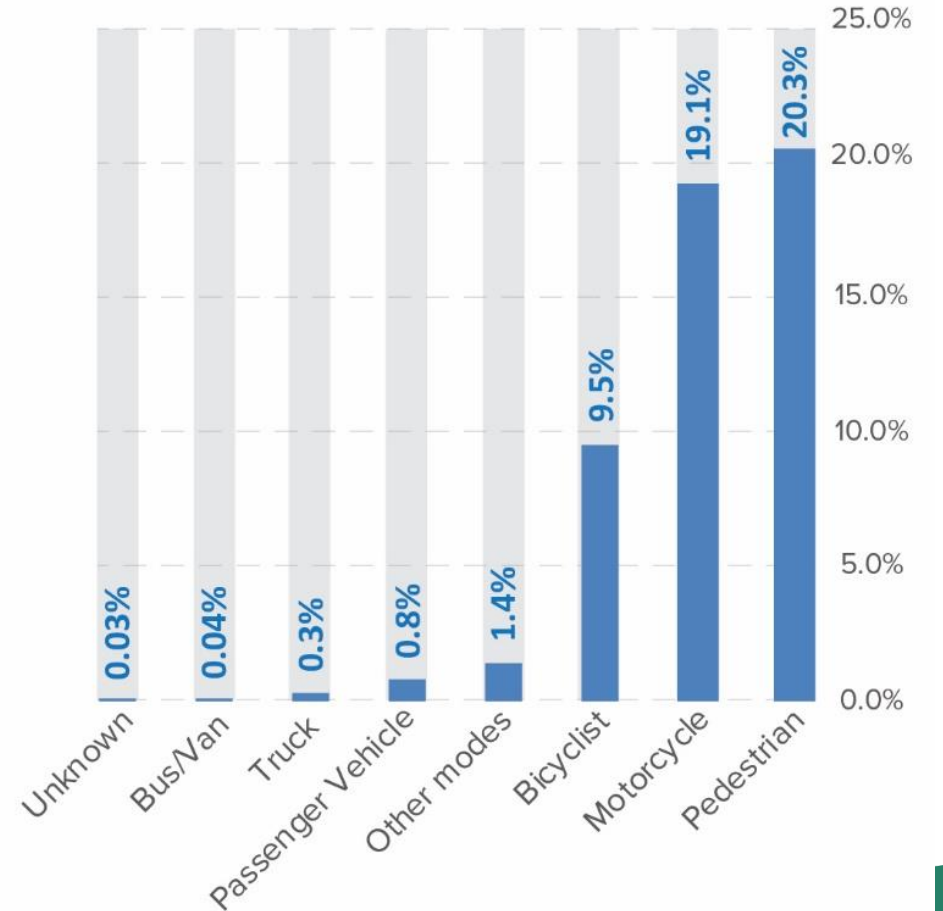


Pedestrians  
Bicyclists  
Motorcyclists

## Percentage of Units Involved in Crashes by Unit Type



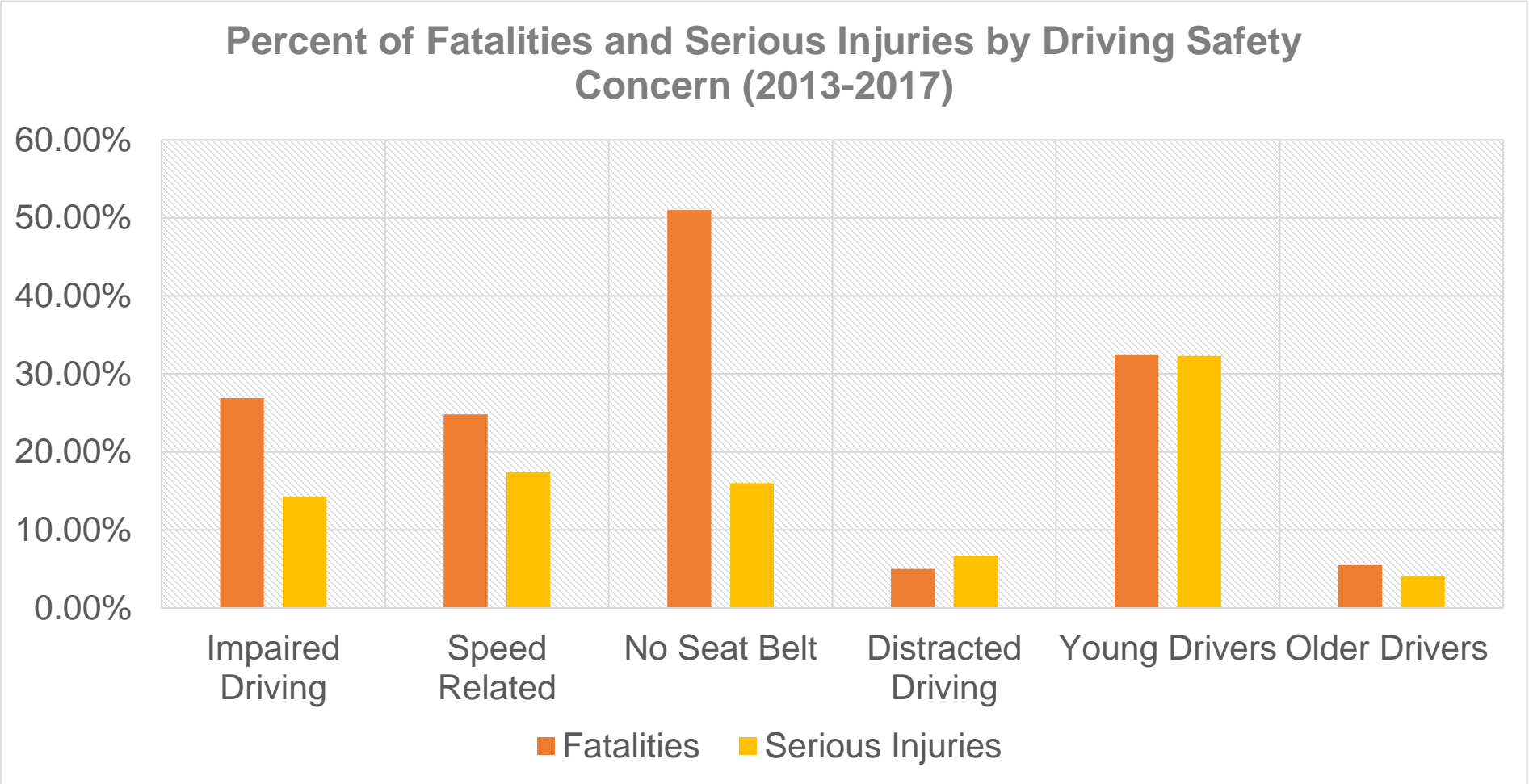
## Fatal & Serious Injury Rate by Unit Type



# Driving Safety Concerns



Impaired Driving  
(Alcohol/Drug)  
Speed  
Restraint/Seat Belt  
Distracted Driving  
Age



# Emerging Technologies



Autonomous/  
Connected Vehicles  
Electric Vehicles  
Electric Scooters



# Safety Strategies



## DRIVING SAFETY CONCERNS ACTION PLAN

### Fatality Goal:

Reduce the number of fatalities related to impaired and distracted driving, restraint usage, speeding, and age by 8% from 2017 to 2025 (1% annual reduction).

### Serious Injury Goal:

Reduce the number of serious injuries related to impaired and distracted driving, restraint usage, speeding, and age by 8% from 2017 to 2025 (1% annual reduction).

**STRATEGY 1:** Share educational resources with the general public on safe driving, new infrastructure, and emerging trends (e-scooters, semi-autonomous vehicles, etc.).

#	ACTION LEAD	DESCRIPTION	OUTPUT MEASURE	TIMELINE
1.1	LPAs MORPC ODOT Safe Communities	Share existing marketing/safe driving advocacy literature to inform drivers of the rules of the road (e.g., roundabout use, speeding, seatbelt usage, impaired driving, distracted driving, motorcyclist awareness, yielding to pedestrians, bicyclist rights, etc.).	Increased # of regional impressions	Ongoing
1.2	Safe Communities	Partner with the Ohio BMV and driving schools to share safe driving behaviors and habits in high schools with students before and during the first few years of driving.	# of outreach events	Ongoing
1.3	LPAs MORPC ODOT	Develop new educational literature to inform the public of new infrastructure, new legislation, and emerging trends.	Materials produced	Short
1.4	LPAs ODOT Safe Communities	Include safe driving habits and behaviors in local newsletters or other media that are widely distributed into the community.	# of organizations # of impressions	Short



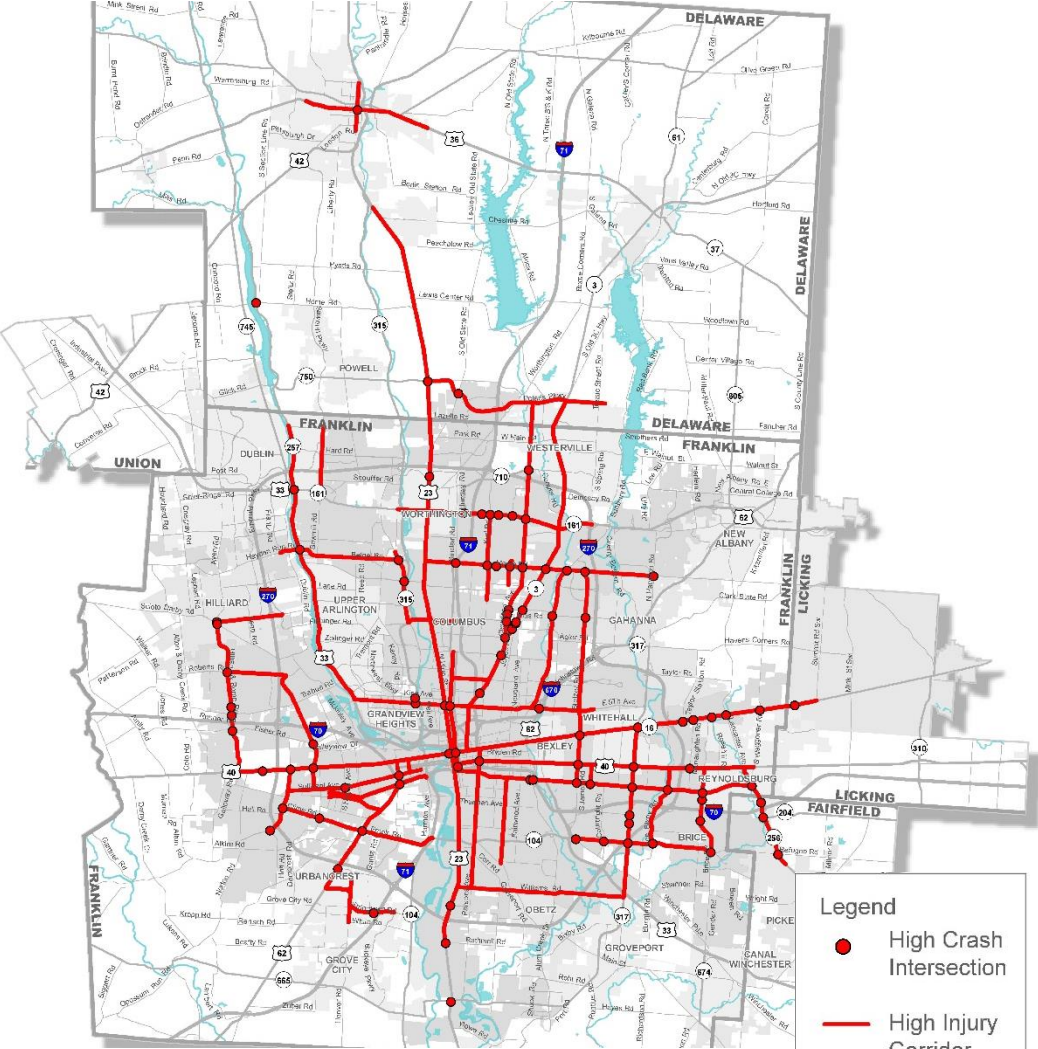
**KEYS<sup>2</sup>DRIVE**  
The AAA Guide to Teen Driver Safety



# Priority Safety Locations



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**Legend**

- High Crash Intersection
- High Injury Corridor

# Gahanna Crash Trends: 2013 - 2017



3,518 (> 700 crashes per year)  
→ 9.3% increase over time

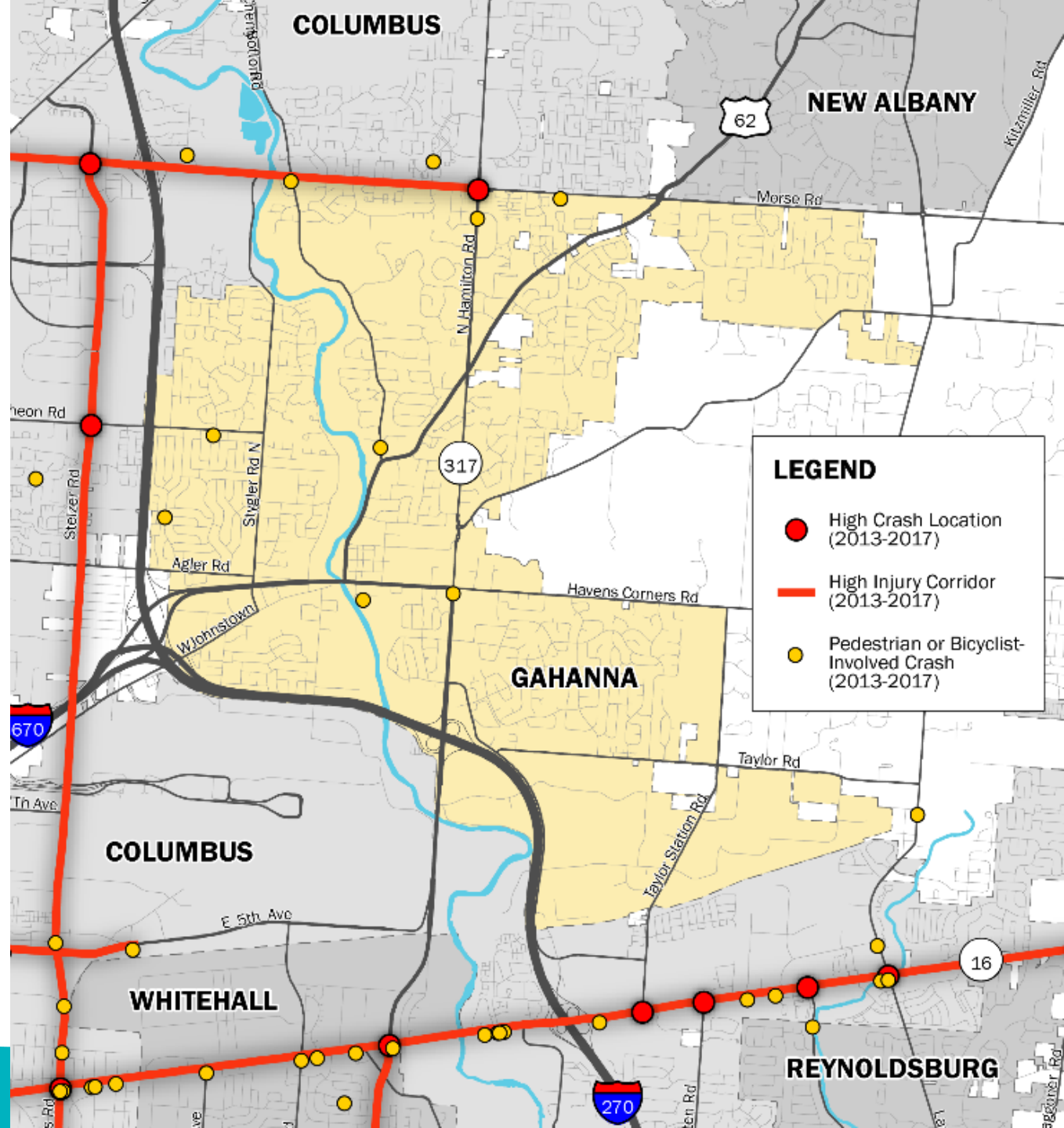
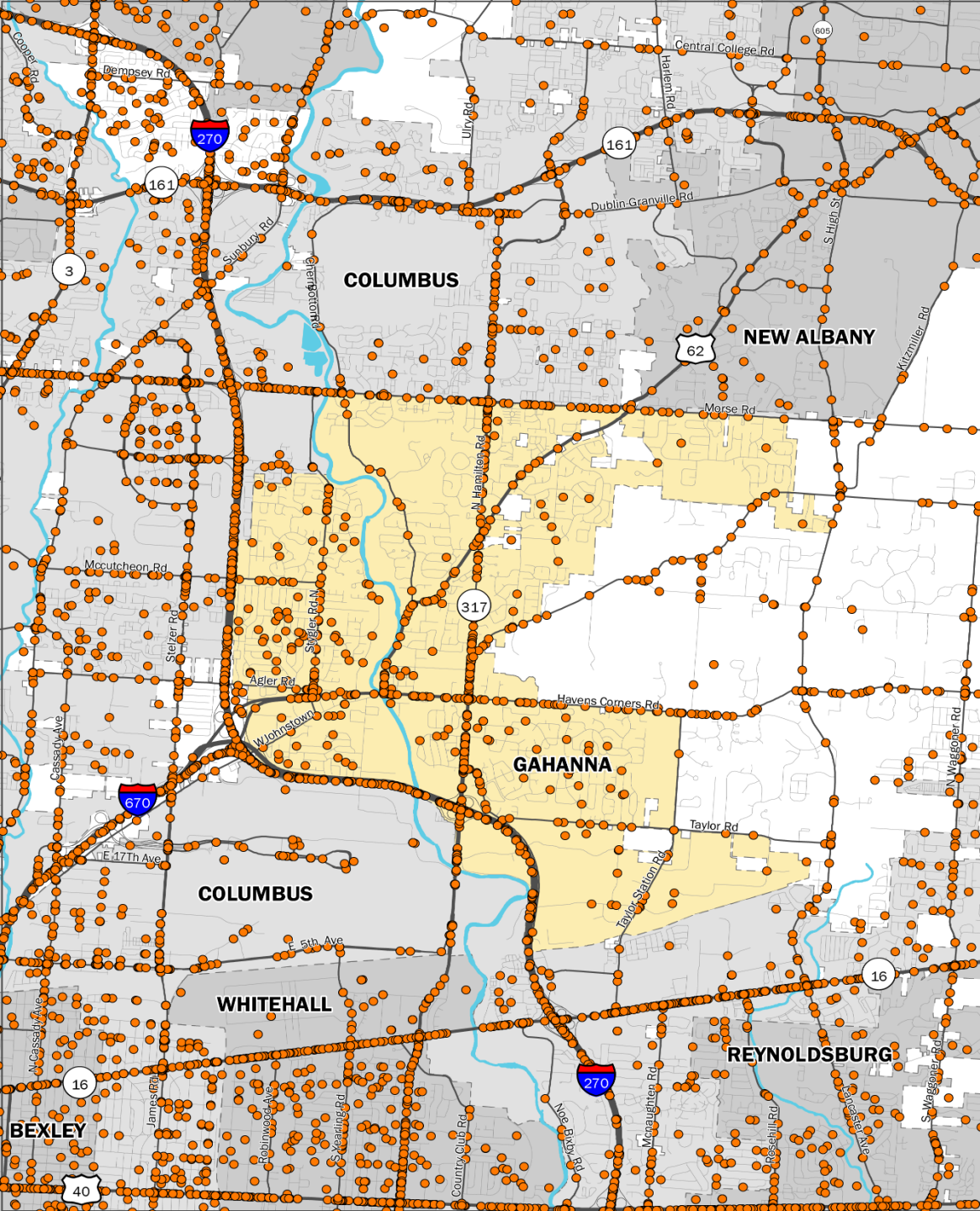
48 serious injuries

24 pedestrian-involved crashes

24 bicycle-involved crashes

## Contributing Factors for Serious Injuries:

- 18.8% Impaired Driving
- 18.8% Distracted Driving
- 16.7% Speeding



**LEGEND**

- High Crash Location (2013-2017)
- High Injury Corridor (2013-2017)
- Pedestrian or Bicyclist Involved Crash (2013-2017)



## Options for Action



- > Dedicate September as Safety Awareness Month
- > Encourage Governor to pass a primary Distracted Driving Legislation
- > Pass a Distracted Driving / Hands-Free Ordinance
- > Pass a Complete Streets Policy

# THANK YOU!

## KERSTIN CARR

*Director, Planning & Sustainability*

Mid-Ohio Regional Planning Commission

T: 614.233.4163

[kcarr@morpc.org](mailto:kcarr@morpc.org)

111 Liberty Street, Suite 100

Columbus, OH 43215



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