

Collision Landscape Analysis



Vision Zero Sacramento

Our Approach:

- Public Works formed Task Force
- Task Force will guide the Action Plan
- Plan will be multi-disciplinary in scope

What's happened so far?

- City Council adopted the Vision Zero Resolution
- Applied for an OTS grant for a Vision Zero Safety and Outreach Campaign
- Data analysis

Process



About the Data

Transportation Injury Mapping System (TIMS)

- Injury collisions only (not property damage)
- 2009 – 2013 (2014 and 2015 data is provisional)
- Does not include state highway facilities
- Only includes collisions within the City of Sacramento

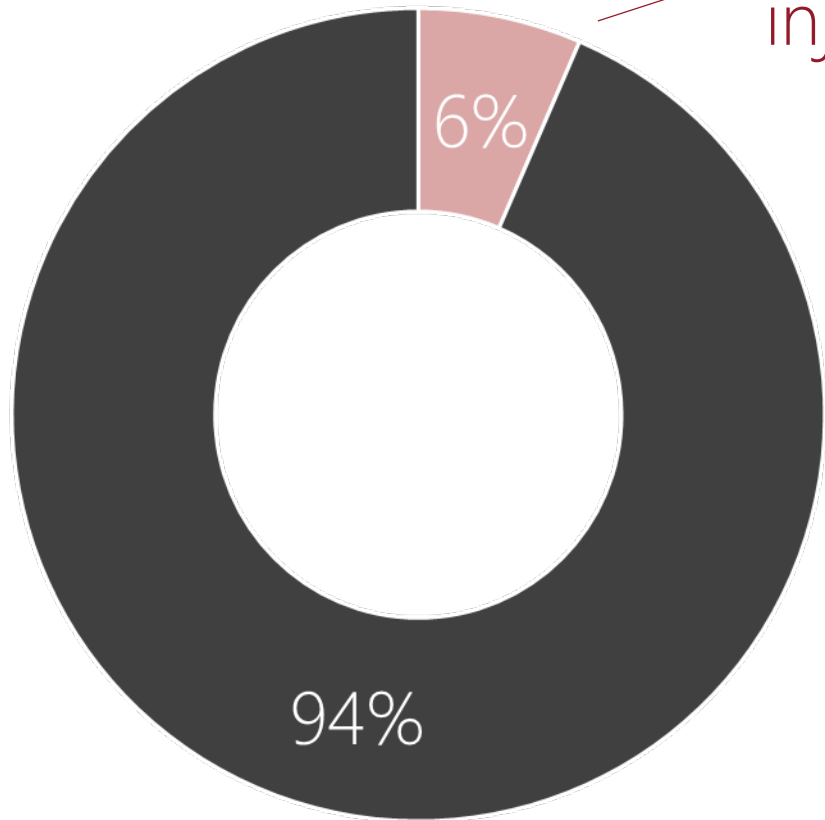
Key Terms

- “KSI” = killed or severely injured
- “vehicle” includes motorcycle and truck, unless otherwise stated

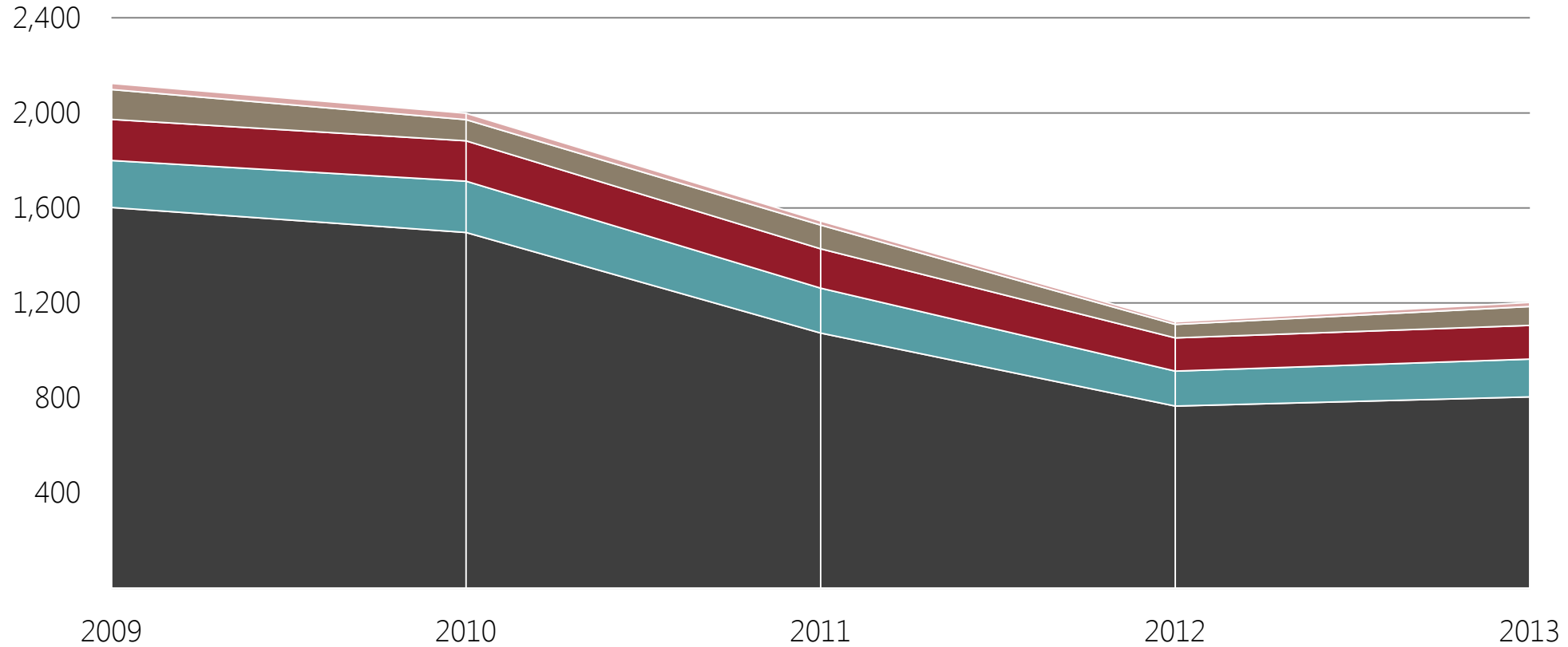
TRENDS

All Collisions

519 collisions with victims killed or severely injured (KSI) between 2009 and 2013



All Collisions



truck

motorcycle

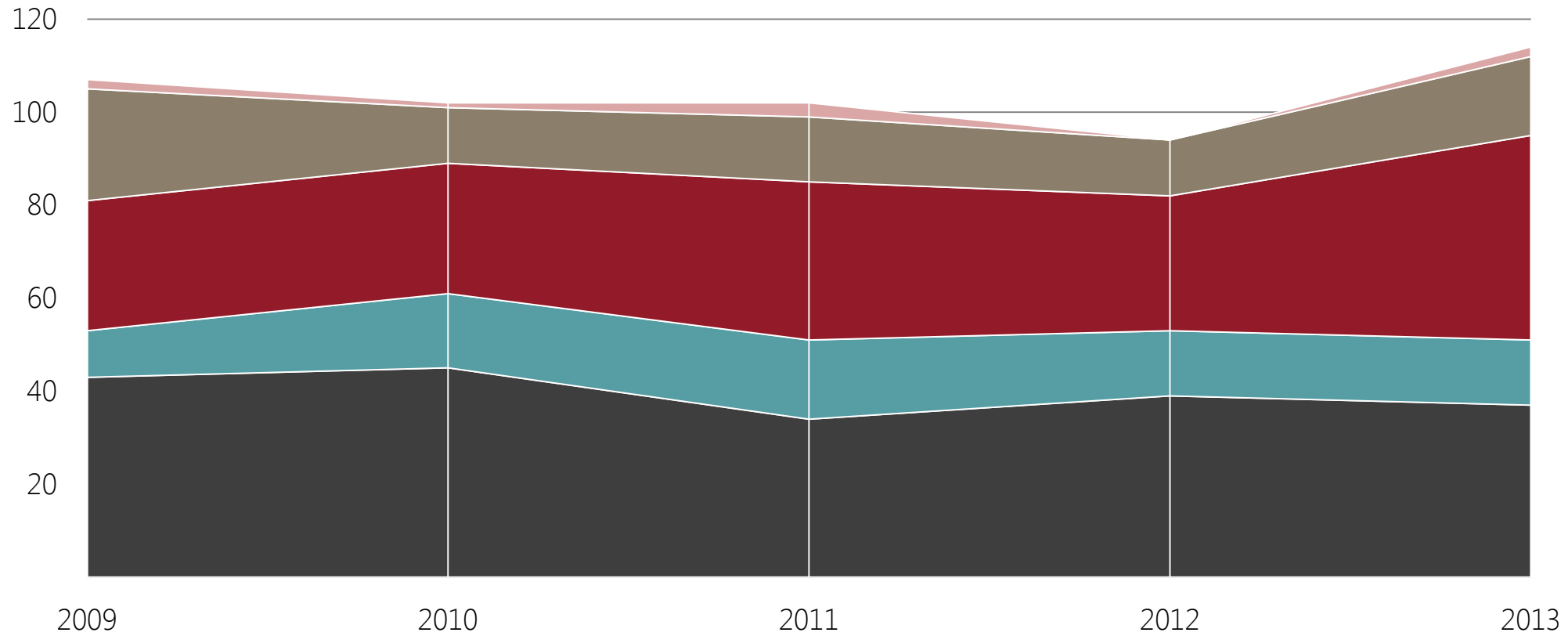
pedestrian

bicycle

auto

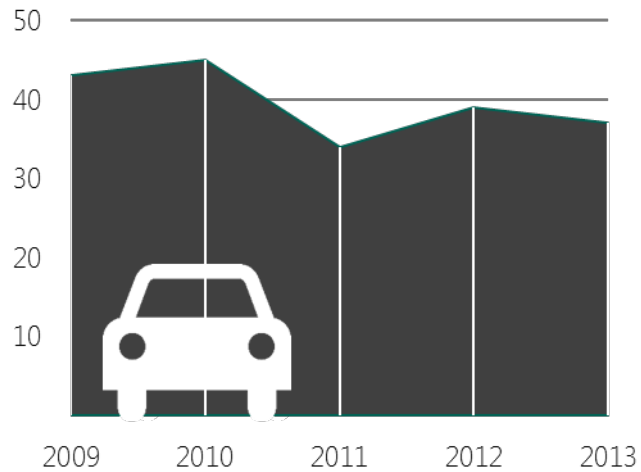
Over the same period of time, the number of collisions with victims killed or severely injured increased by 7%

KSI Collisions

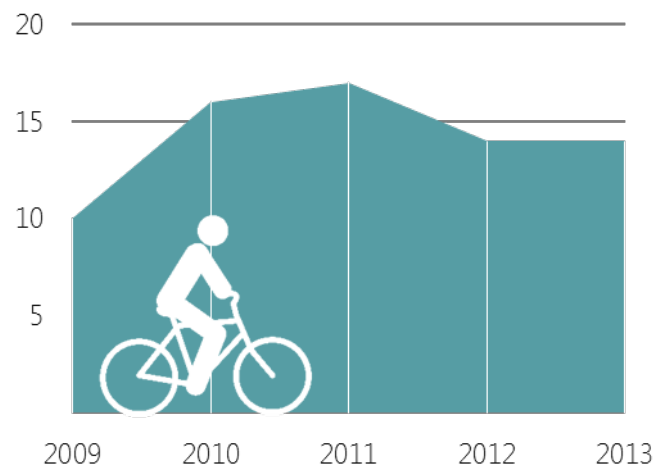


KSI Collisions

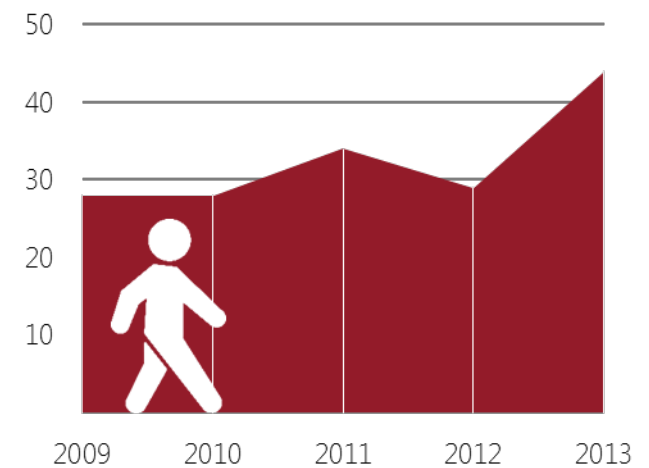
Auto Collisions
Down 14%



Bike Collisions
Up 40%

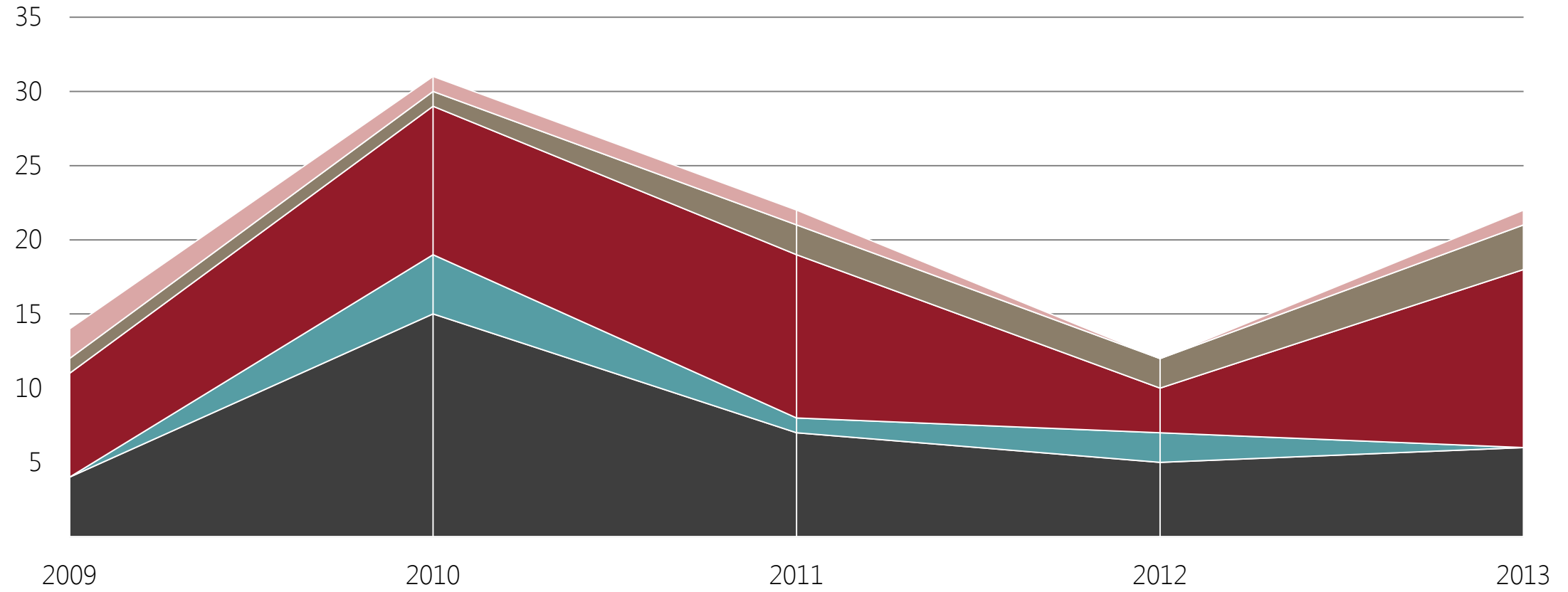


Pedestrian Collisions
Up 57%



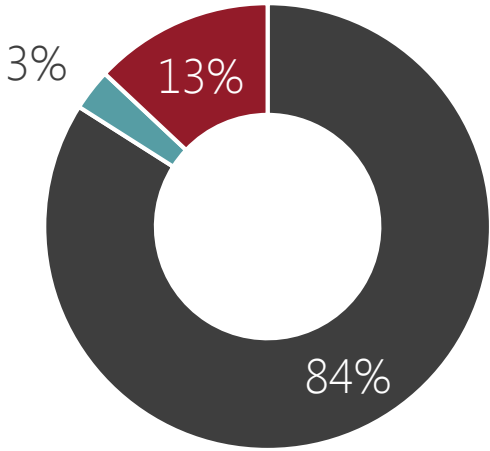
**Pedestrian collisions
account for 10% of all
collisions, but 43% of
fatal collisions**

Fatal Collisions

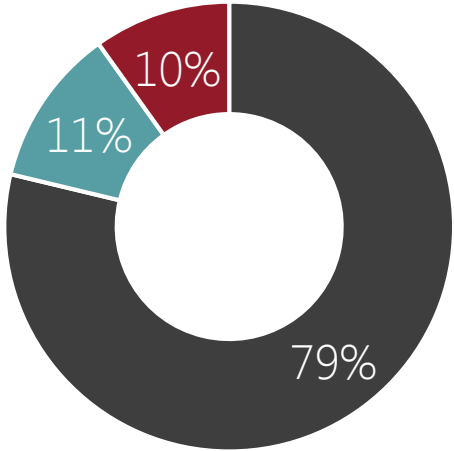


Mode Split

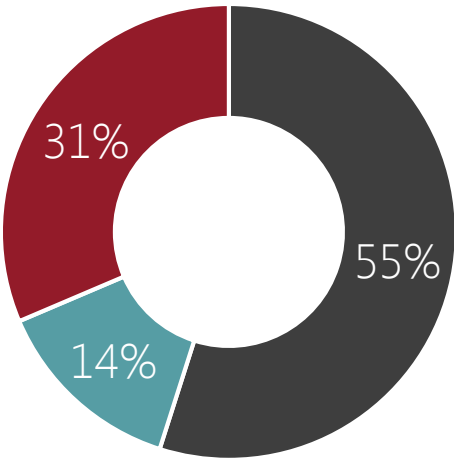
ALL TRIPS*



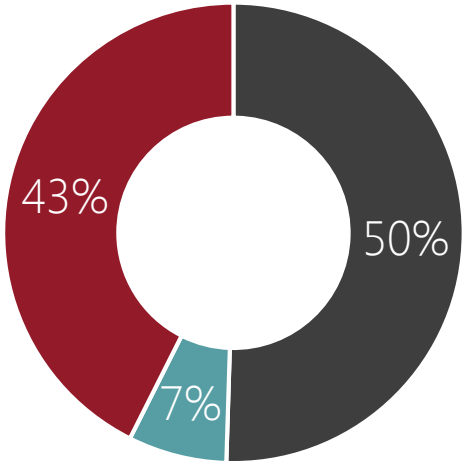
ALL COLLISIONS



KSI COLLISIONS



FATAL COLLISIONS



pedestrian bicycle vehicle

*2012 California Household Travel Survey, City of Sacramento

LOCATION

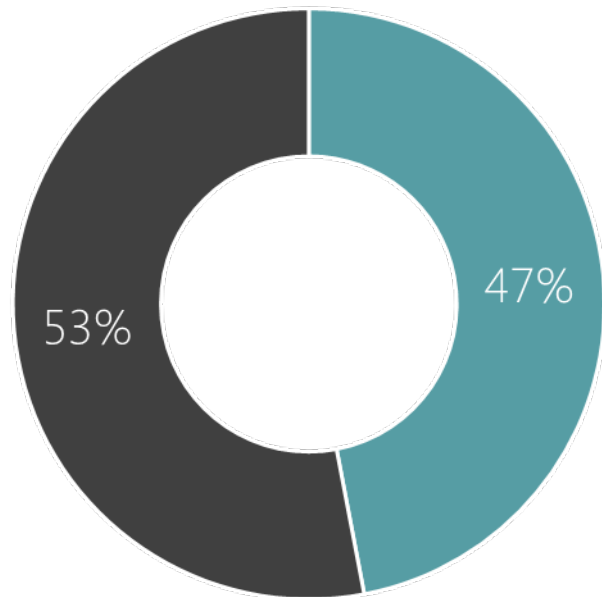
High Injury Network

The HIN accounts for **64%** of all collisions, on **11%** of the roadway network

ALL COLLISIONS

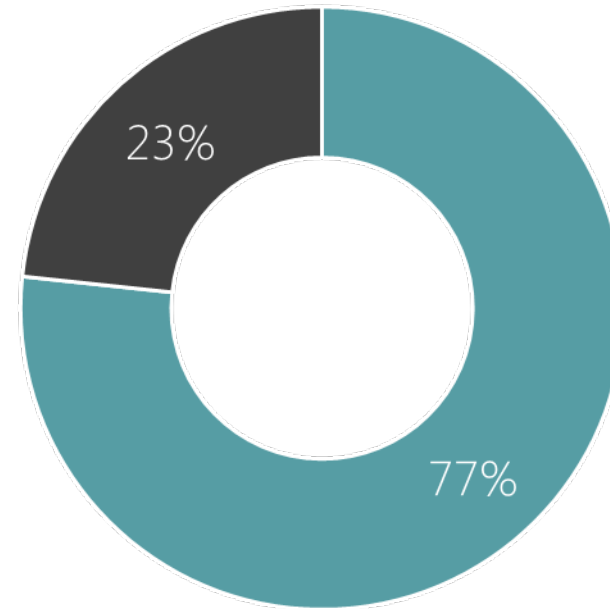
Commercial Areas

Total Roadway Network



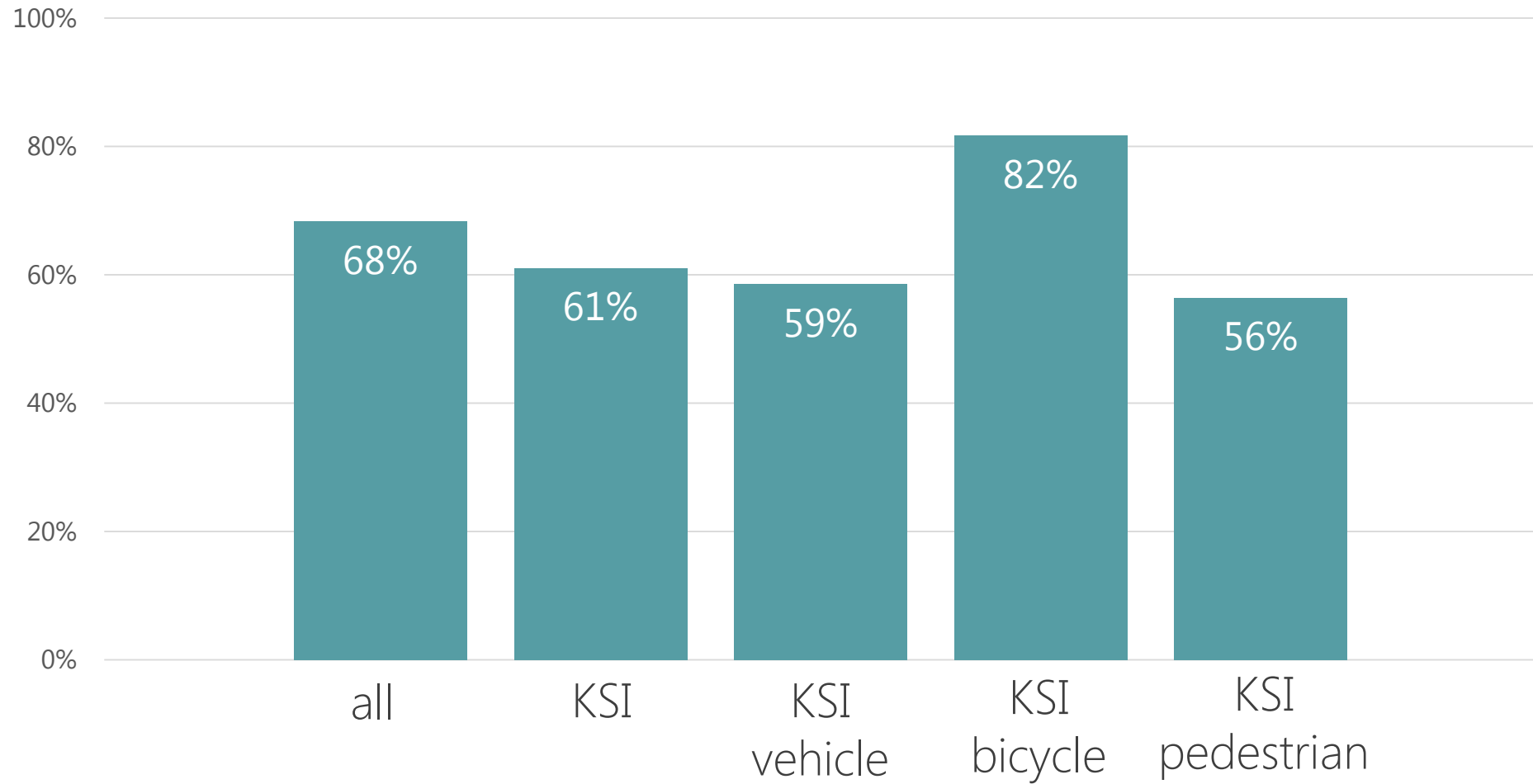
 commercial areas

KSI Collisions



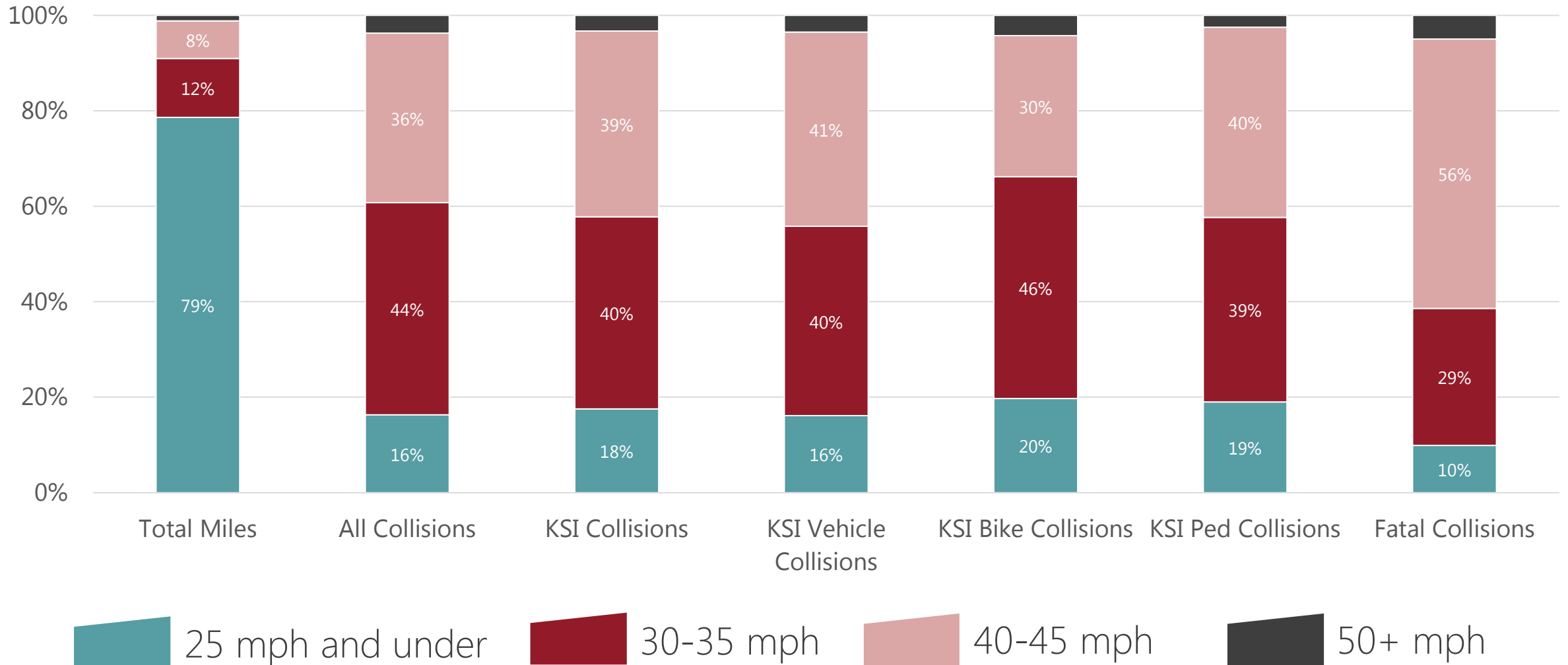
 non-commercial areas

Intersections

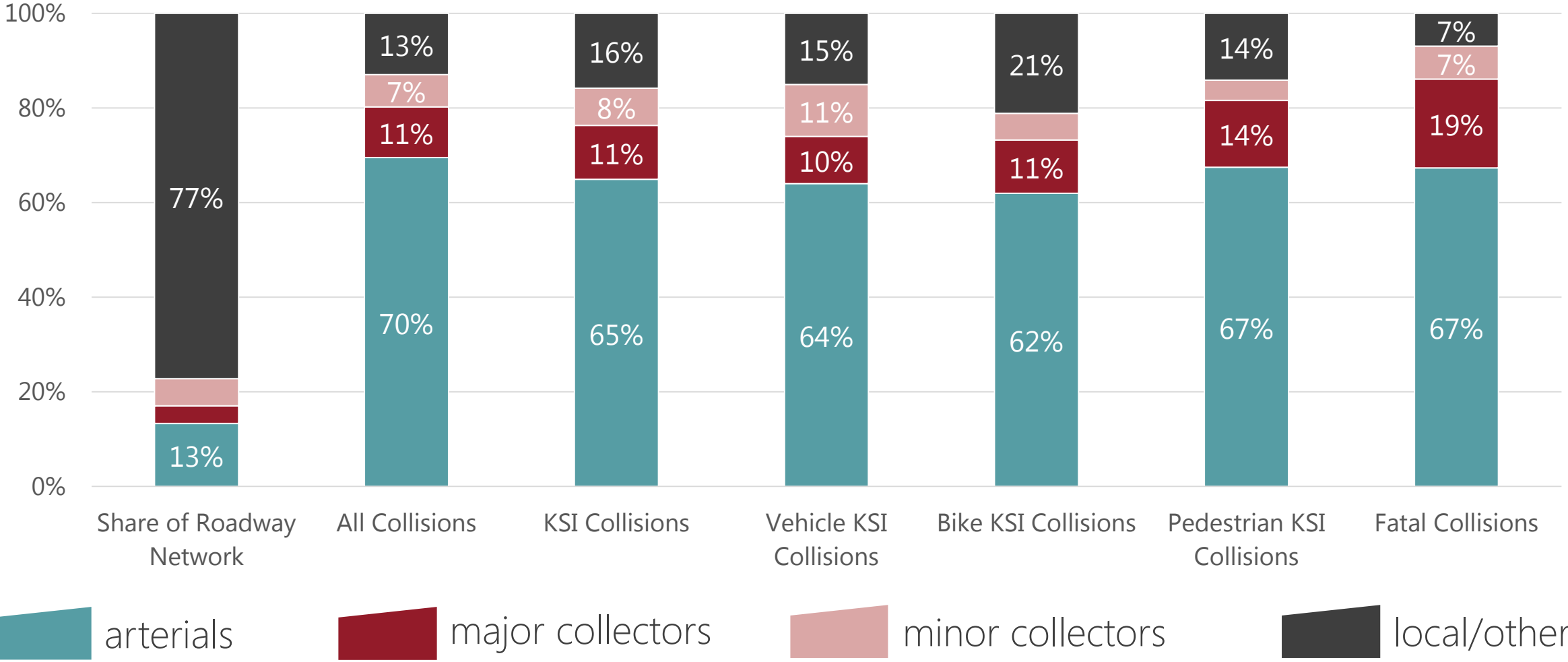


60% of fatal collisions occur on streets with posted speed 40+ mph. These streets account for less than 10% of street network.

Posted Speeds

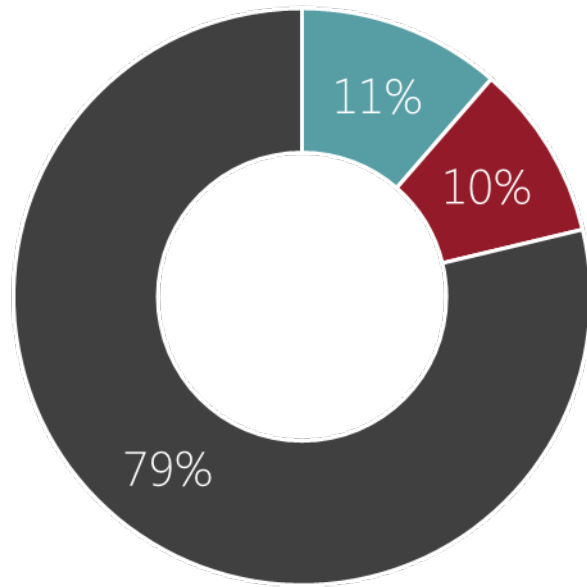


Roadway Types

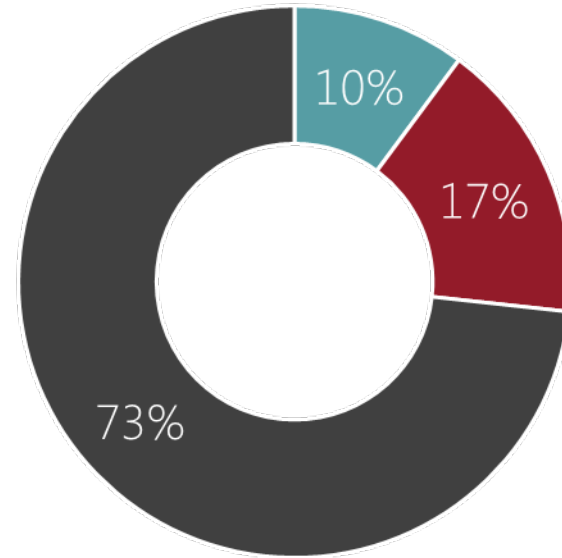


Light Rail Stations

All Collisions



Collisions Near Light Rail Stations



 bicycle collisions

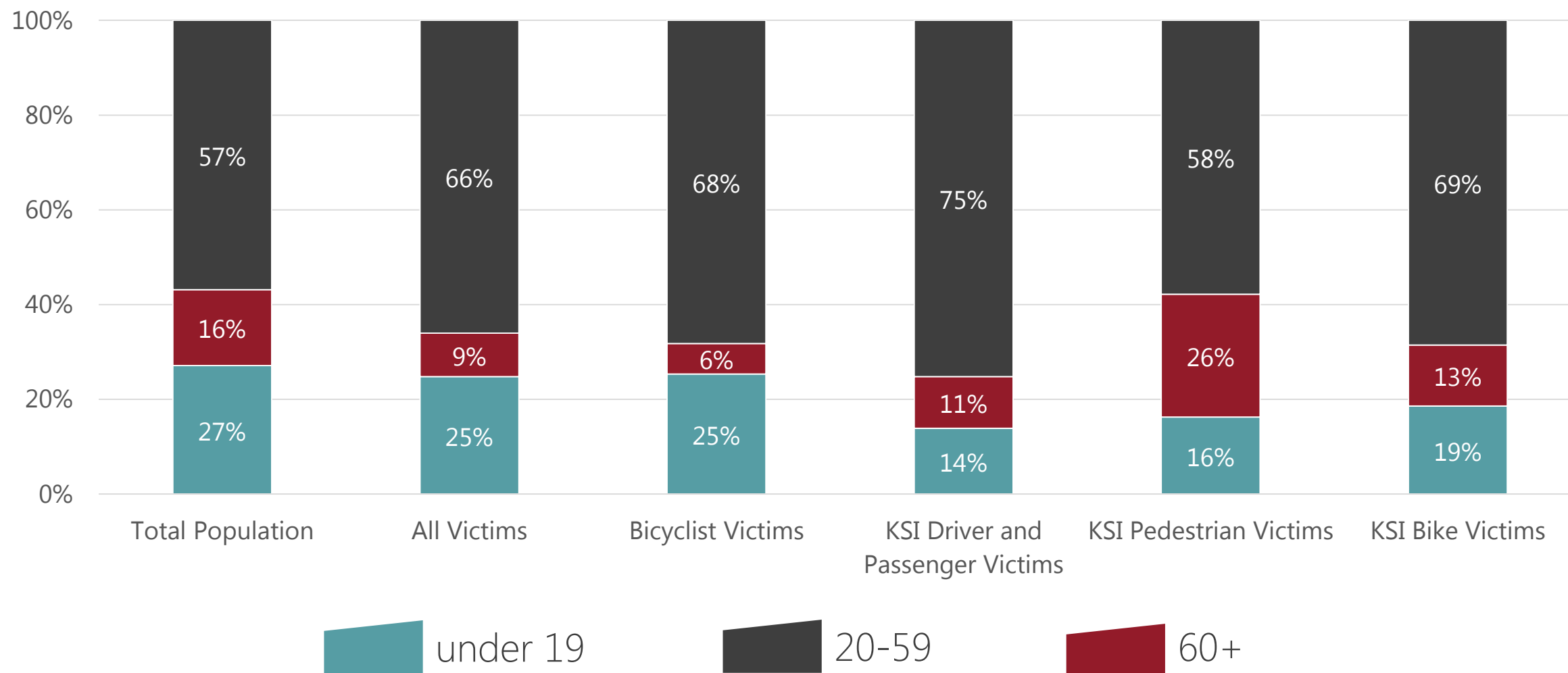
 pedestrian collisions

 vehicle collisions

VULNERABLE POPULATIONS

**People age 60 and older
account for less than 10% of
all collisions, but over 25% of
KSI pedestrian collisions**

Age

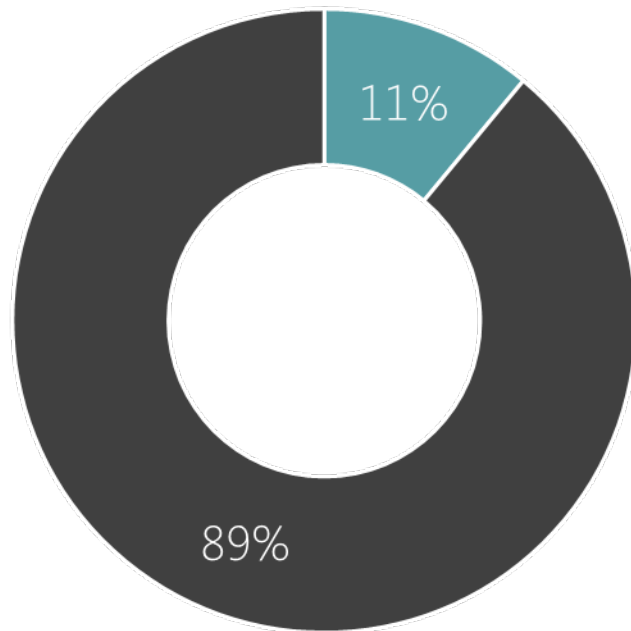


**Disadvantaged communities
account for 1/4 of street
network, but nearly half of
fatal collisions**

BEHAVIOR

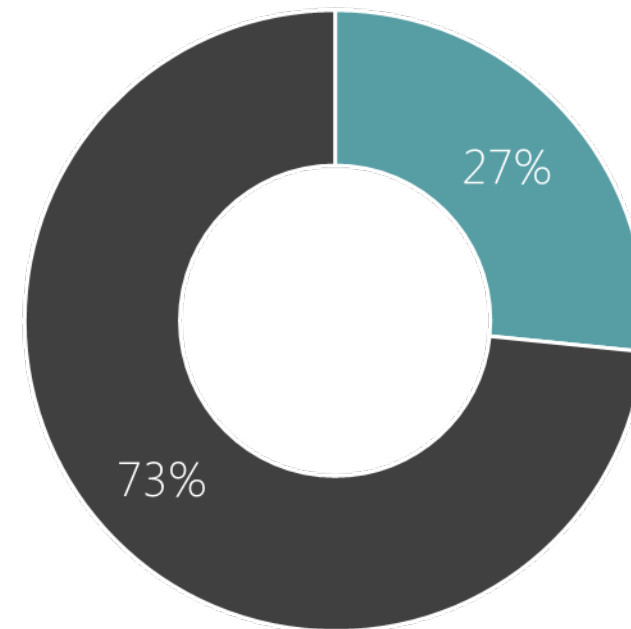
Alcohol Involved

All Collisions



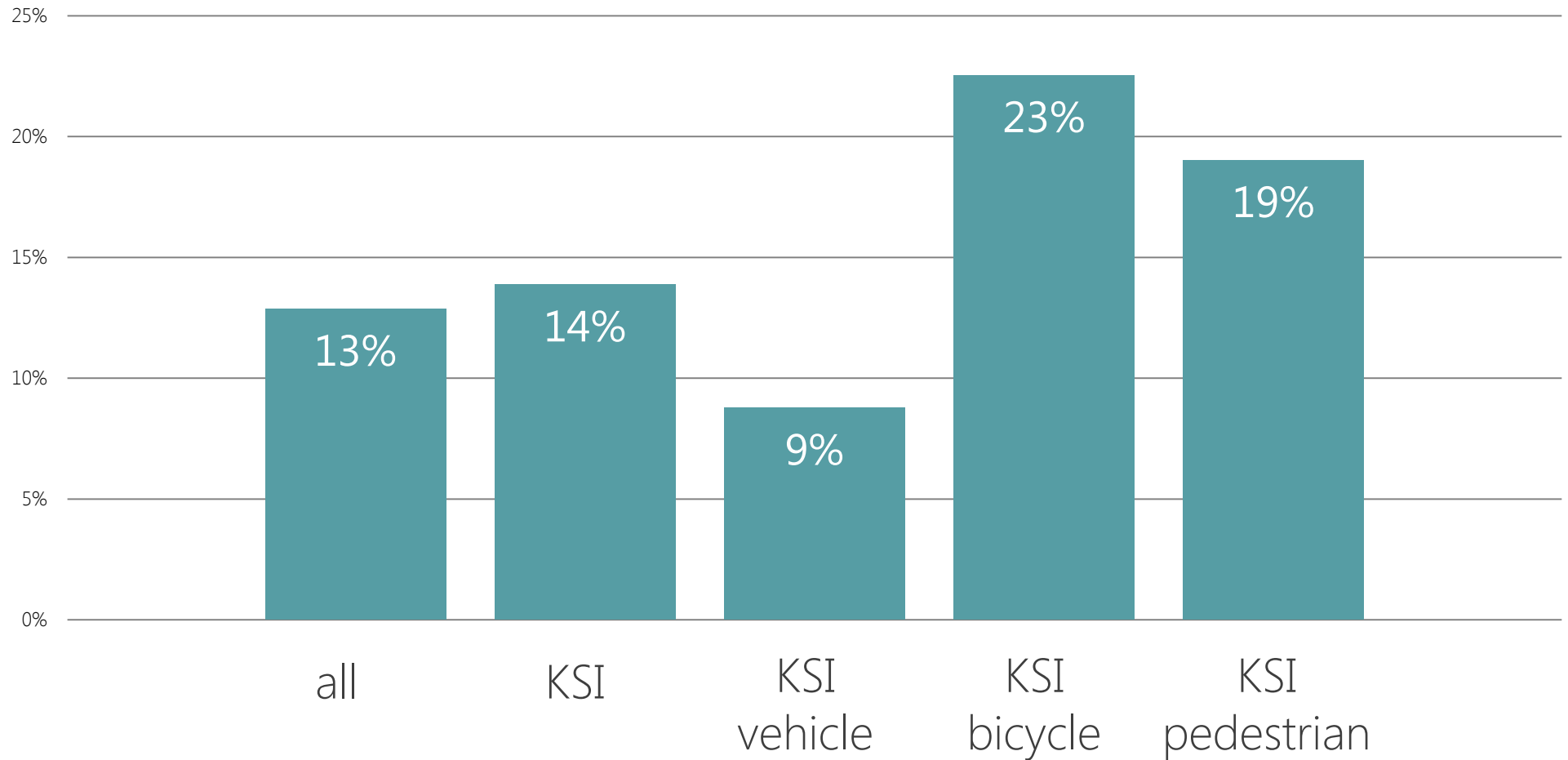
 alcohol involved

KSI Collisions



 no alcohol involved

Hit-and-Run



Next Steps

March-April 2017: Collision Profiles

June 2017: Draft Actions, Engineering

June 2017: Draft Actions, Non-Engineering

August 2017: Draft Action Plan