

WALKING AND BIKING CRASHES: WHAT AUSTIN- AREA DATA SHOWS

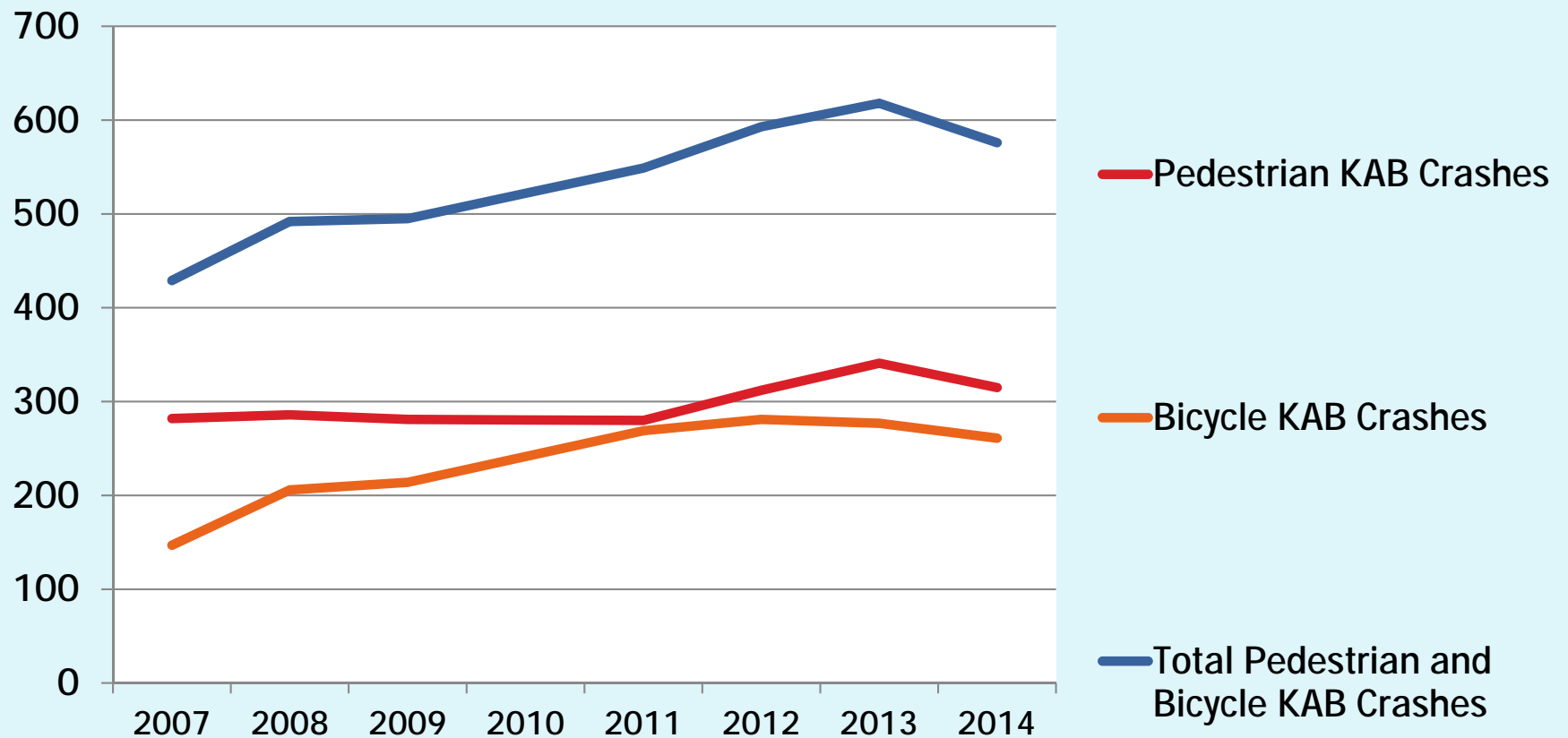
Presented by:
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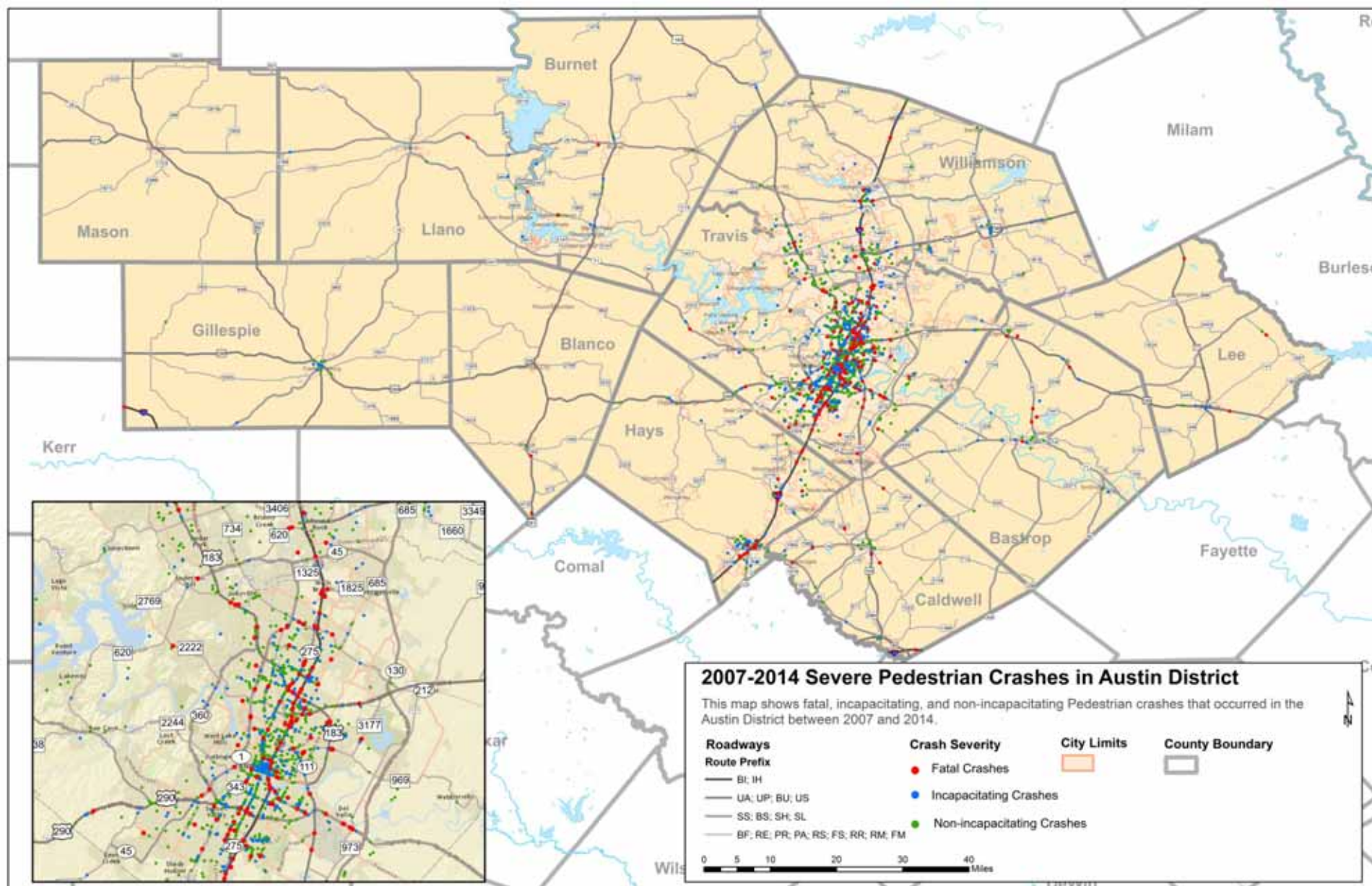
Better Streets
Week

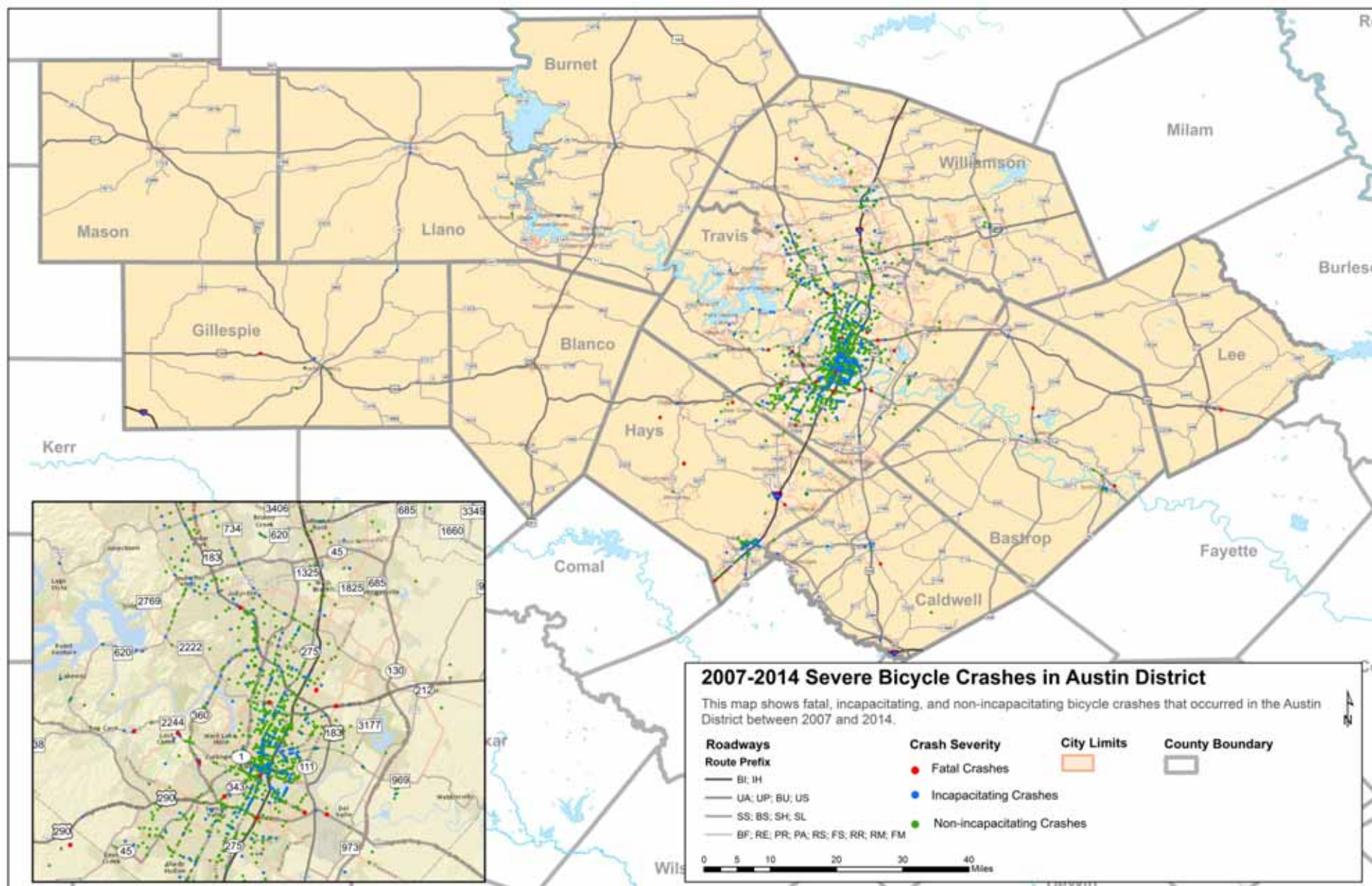
October 26, 2015



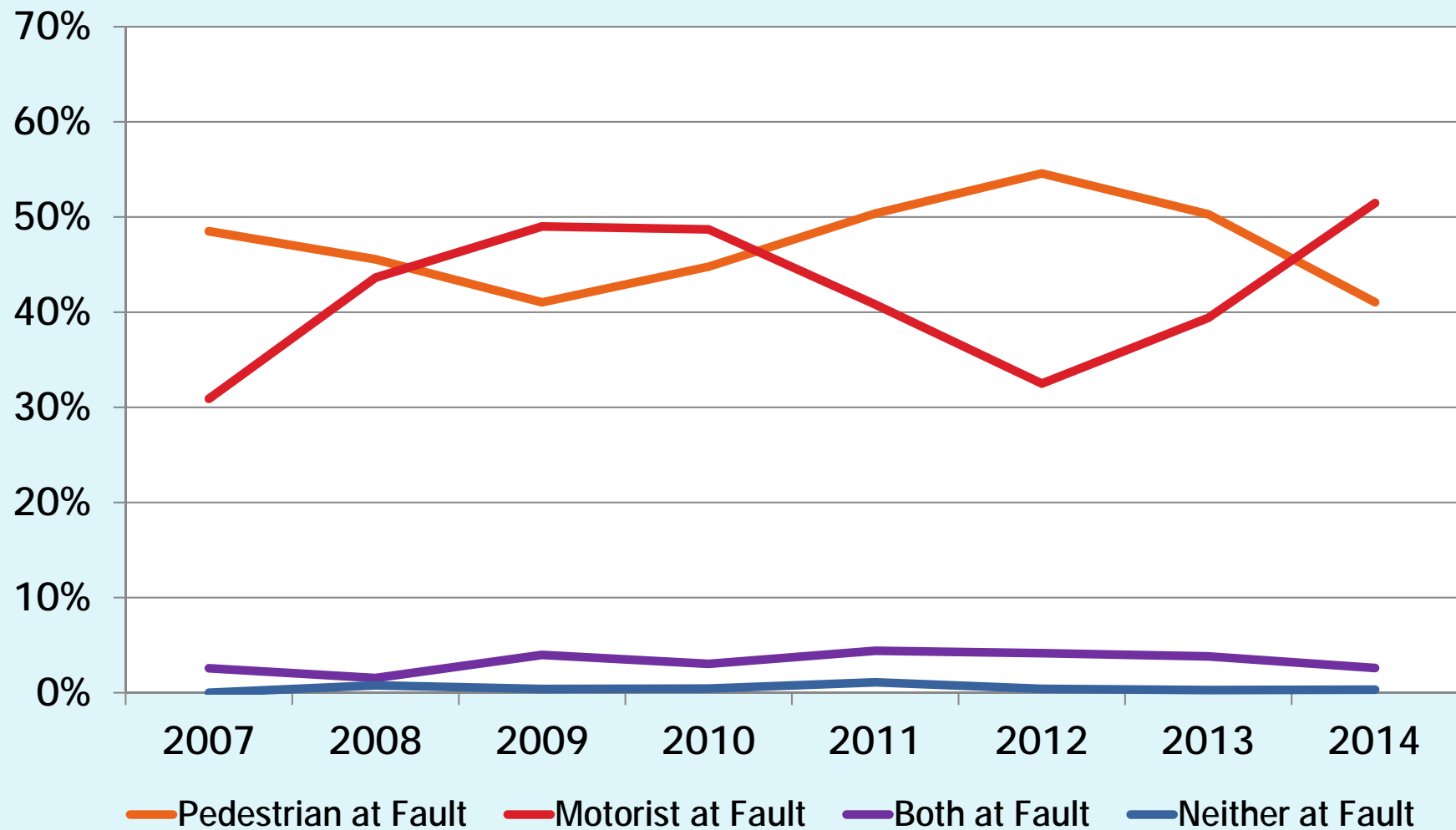
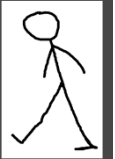
AUSTIN DISTRICT REPORTED KAB PEDESTRIAN AND BICYCLE CRASHES



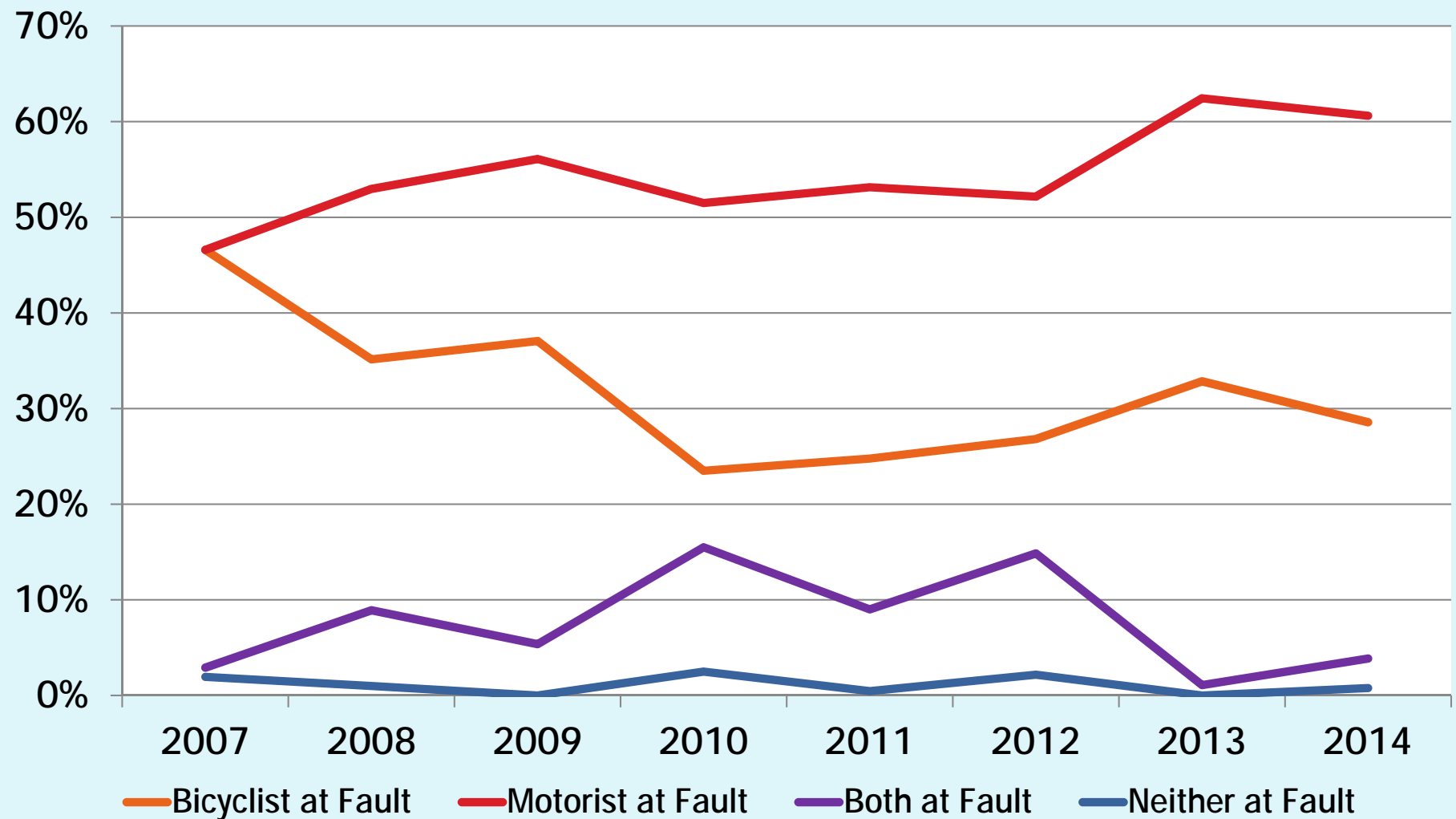




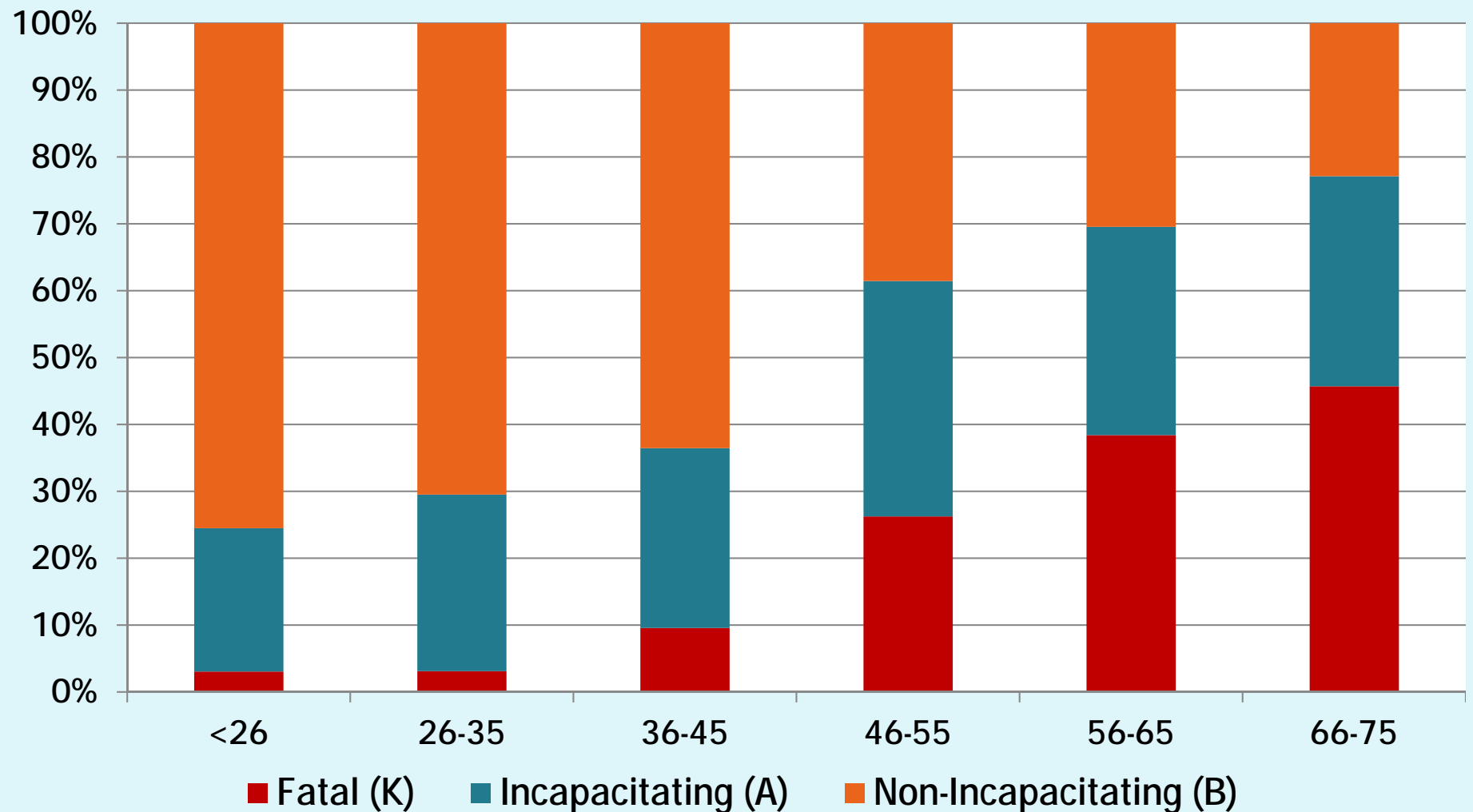
PEDESTRIAN CRASH FAULT



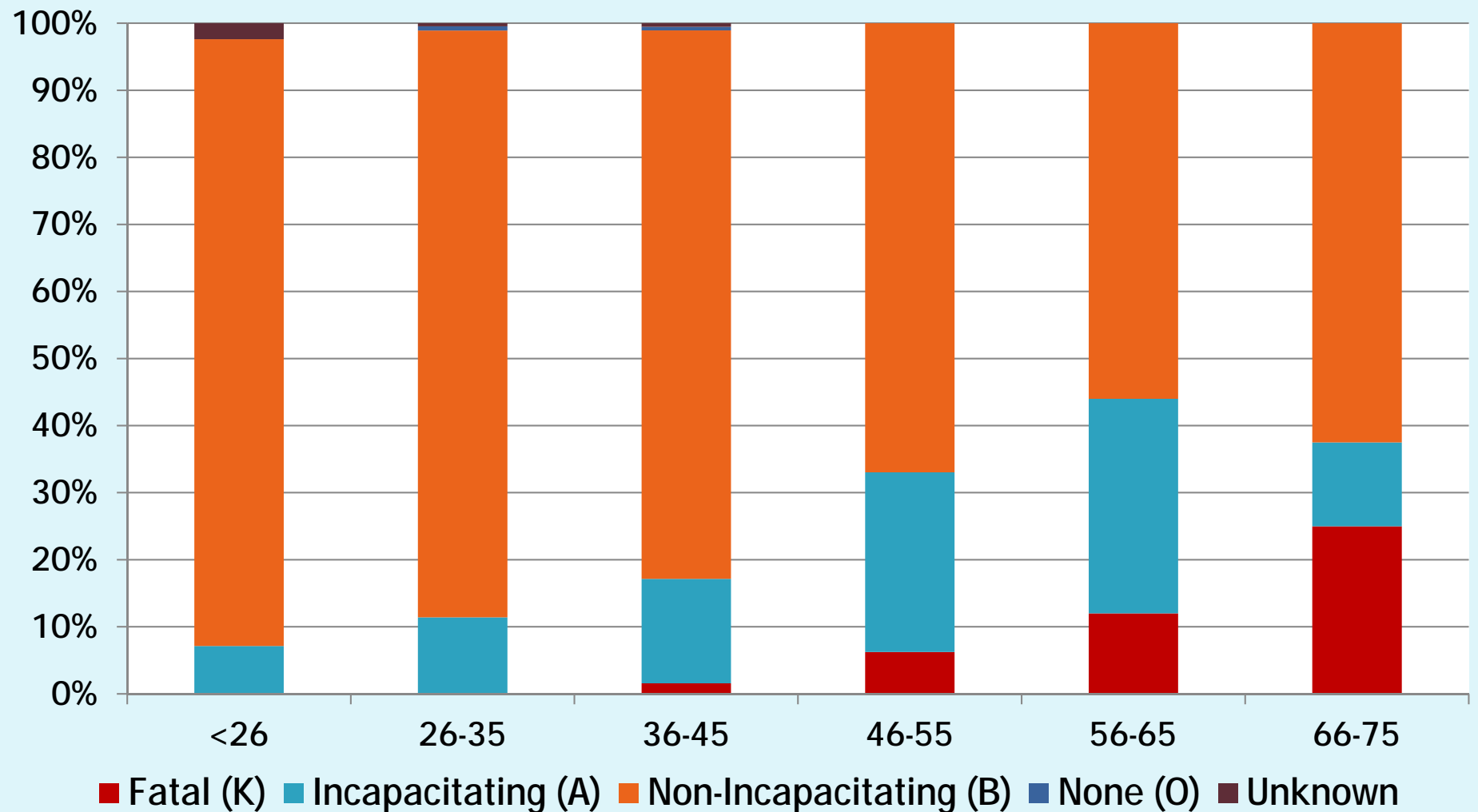
BICYCLE CRASHES BY FAULT



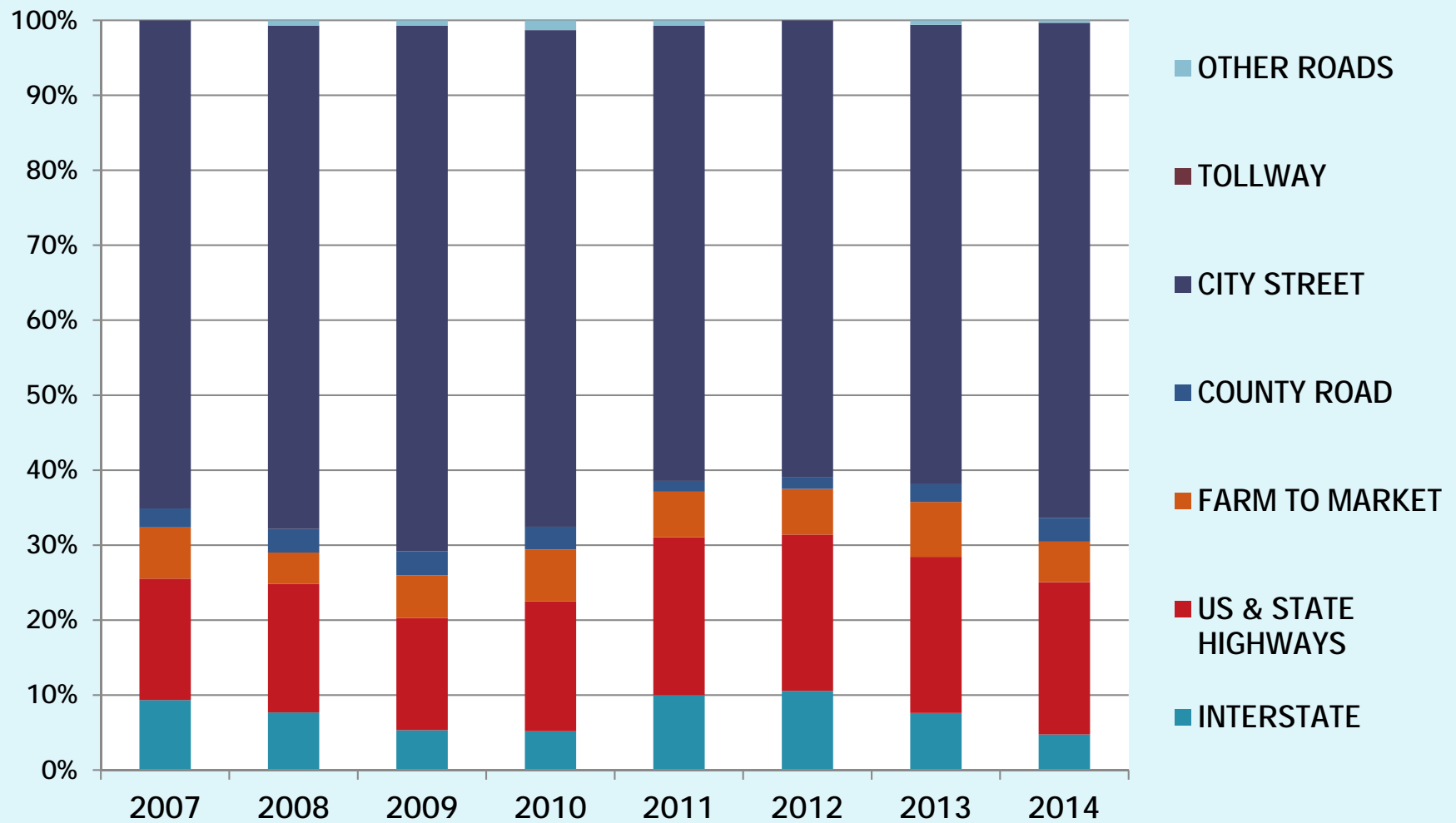
PEDESTRIAN CRASHES BY SPEED LIMIT (MPH)



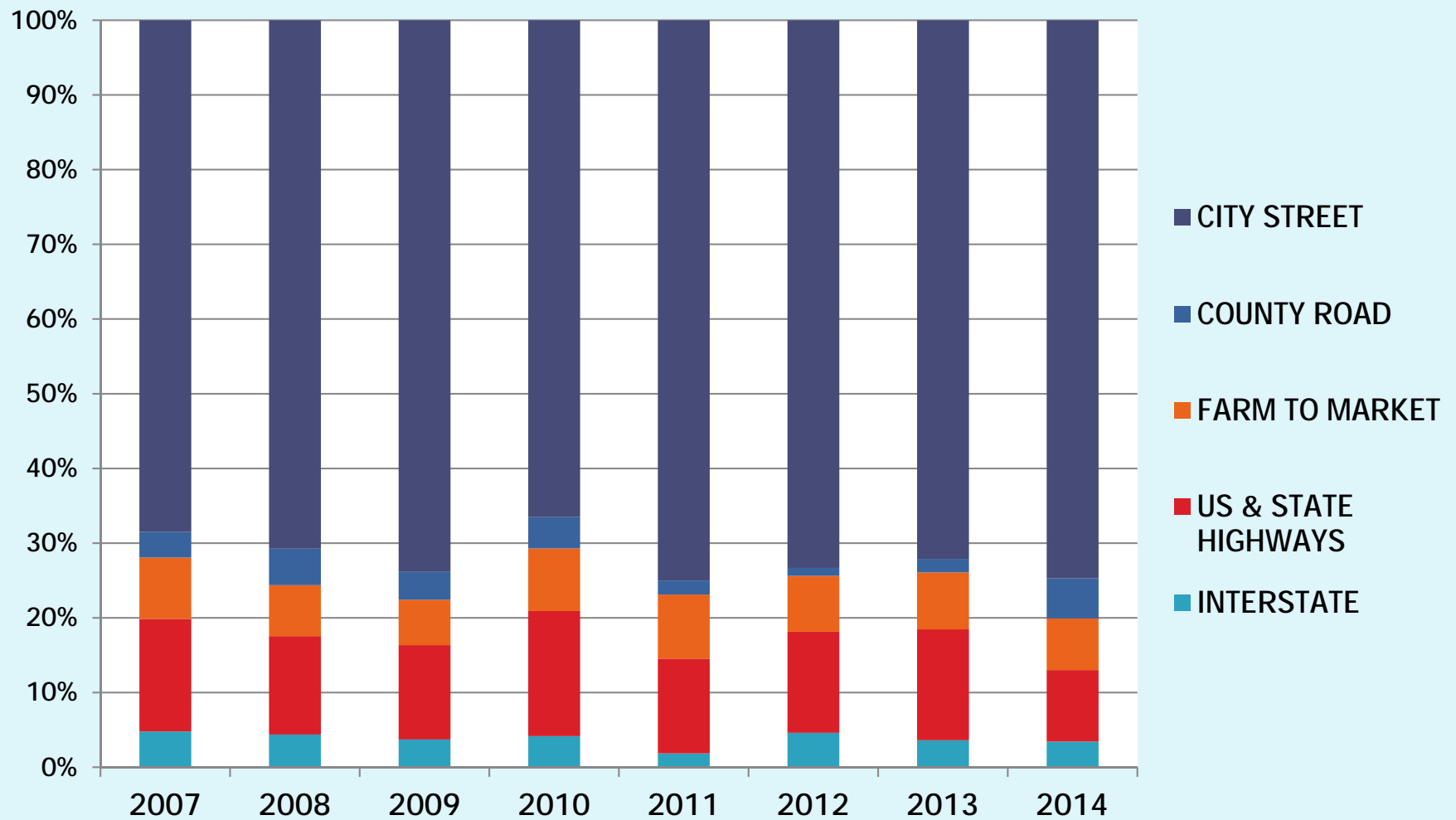
BICYCLE CRASHES BY SPEED LIMIT (MPH)



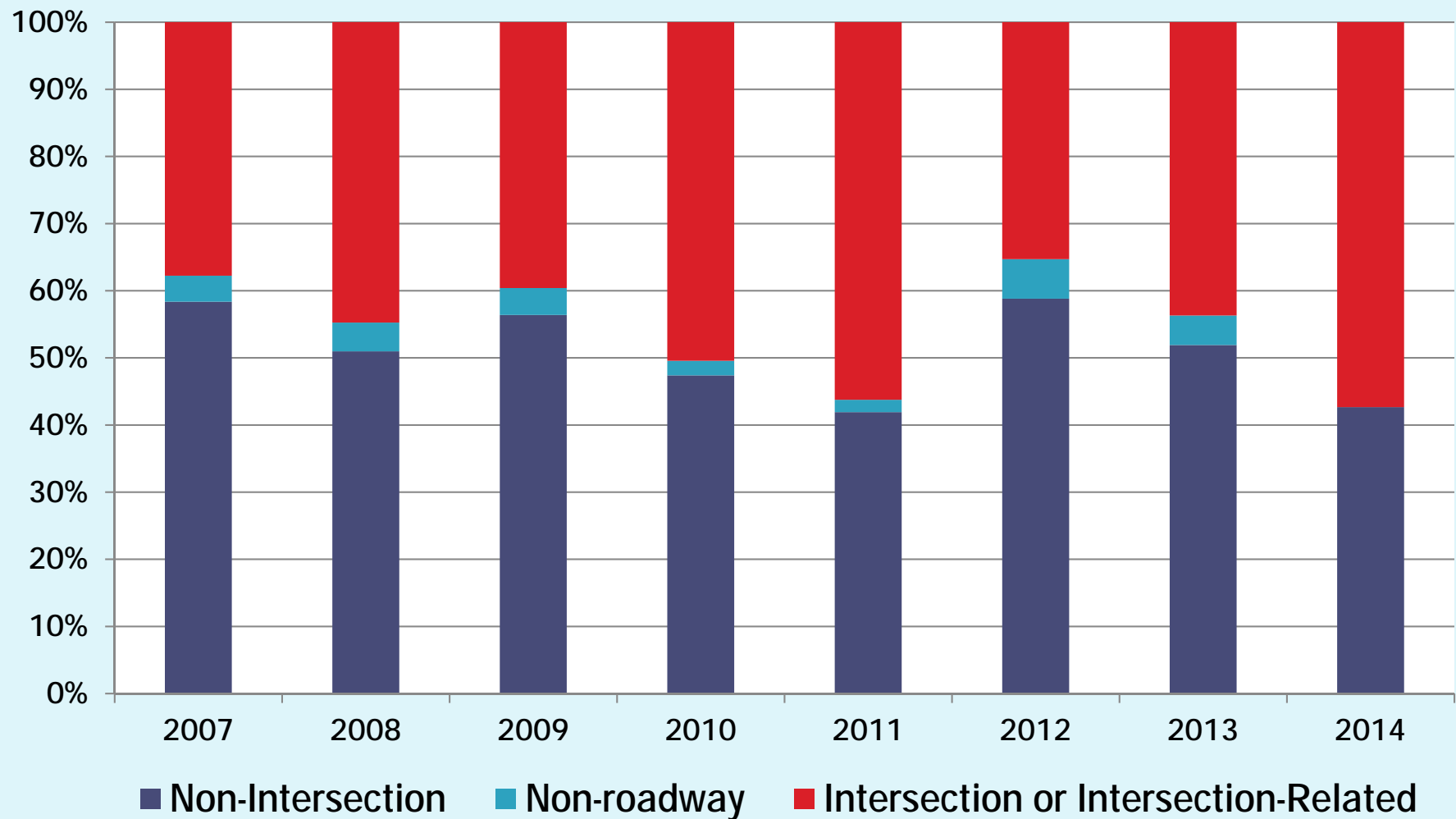
PEDESTRIAN CRASHES BY ROADWAY TYPE



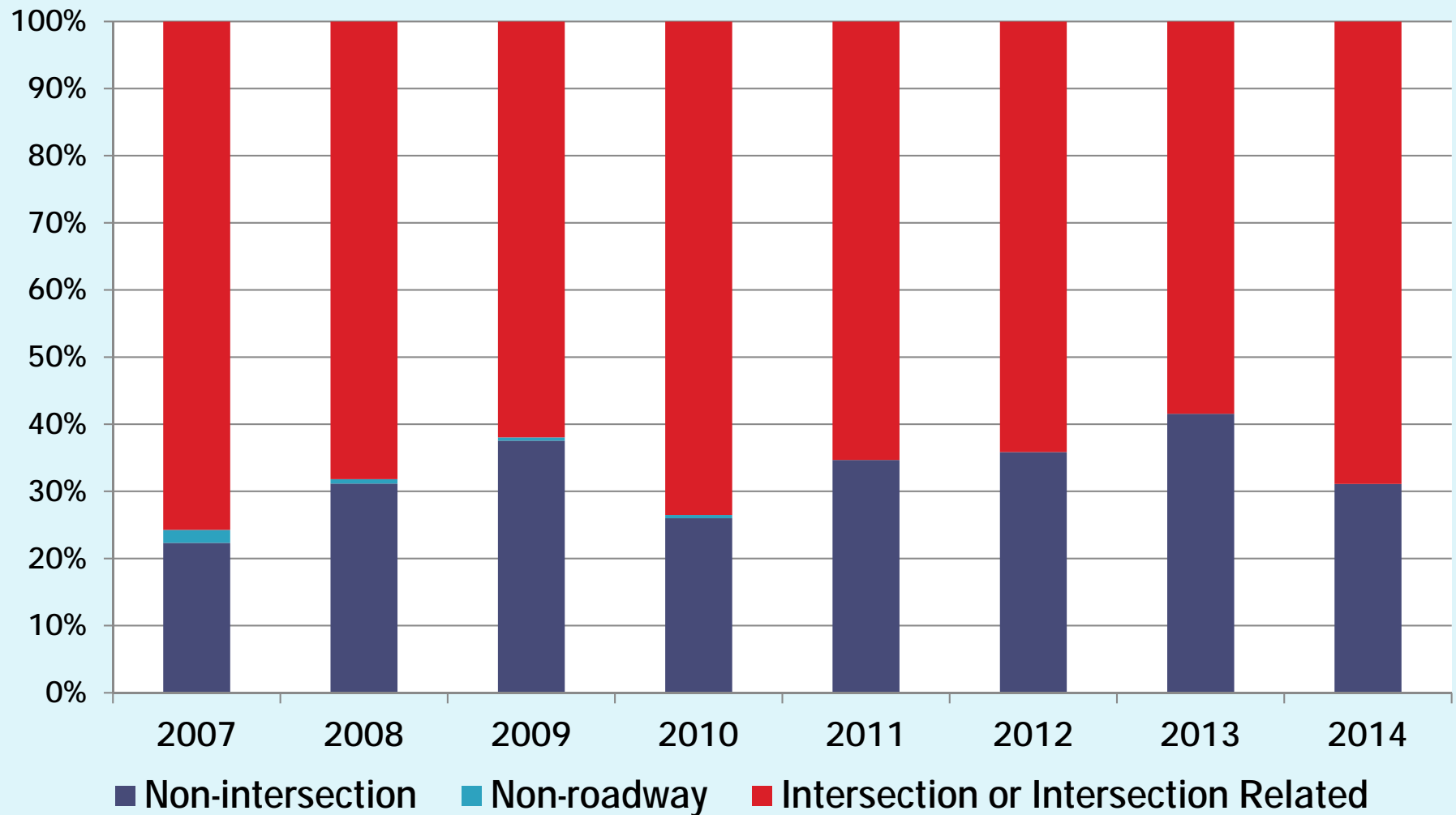
BICYCLE CRASHES BY ROADWAY TYPE



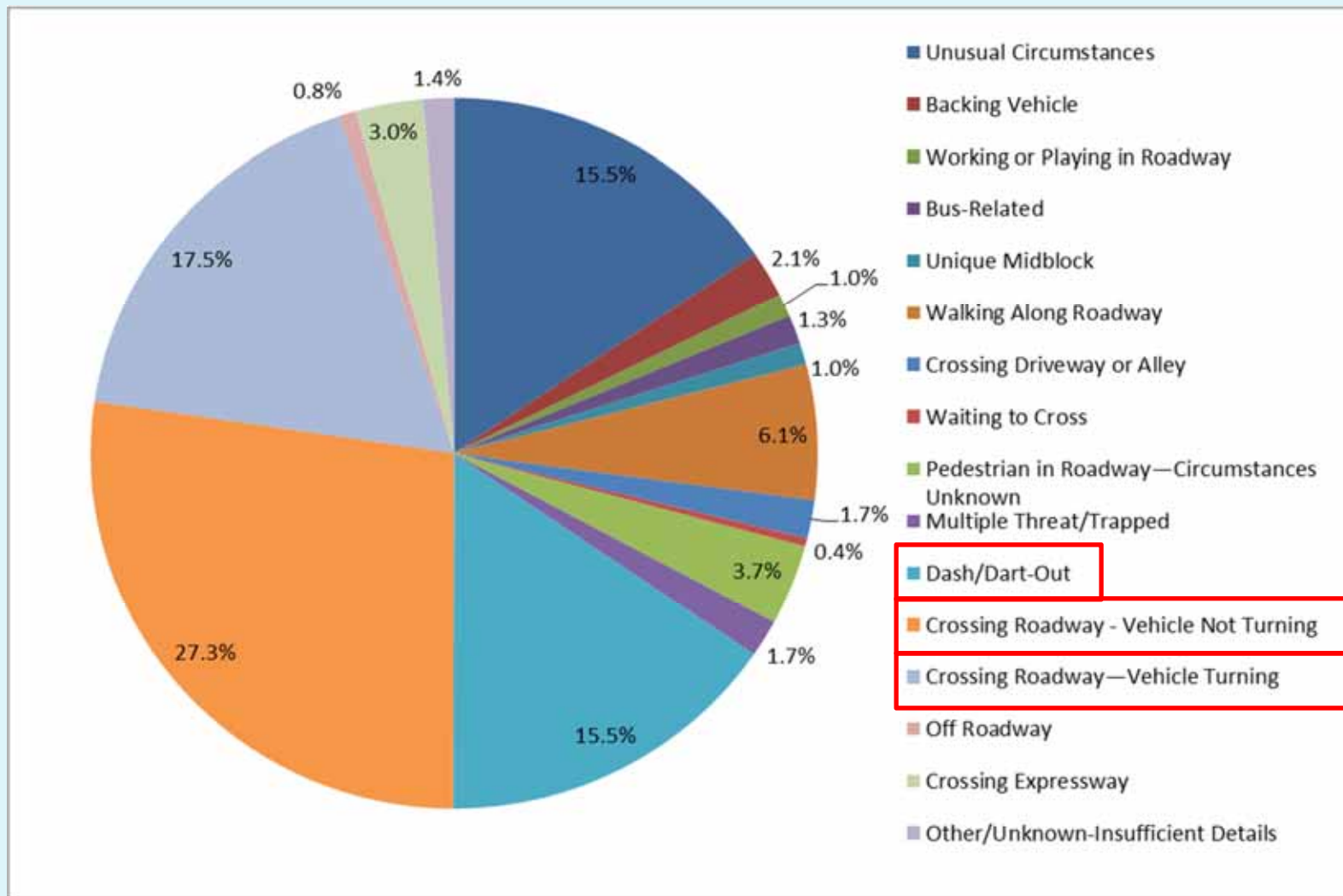
CRASH LOCATION DESCRIPTION PEDESTRIAN CRASHES



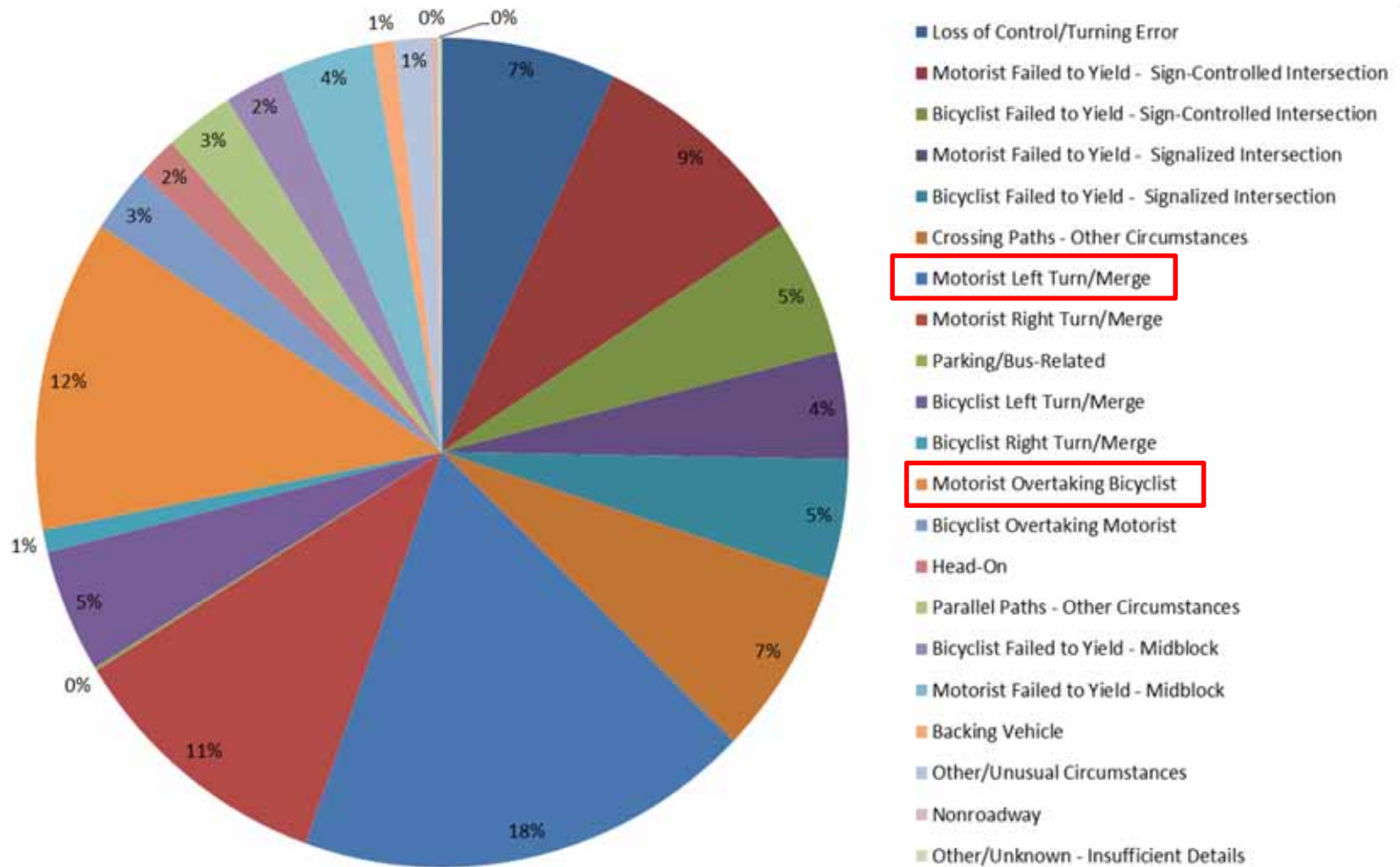
CRASH LOCATION DESCRIPTION BICYCLE CRASHES



PEDESTRIAN CRASH TYPE



BICYCLE CRASH TYPE



RECENT TTI RESEARCH EFFORTS

- Crosswalk markings
- Rectangular rapid flashing beacons (RRFB)
- Pedestrian hybrid beacons (PHB)

CROSSWALK MARKING PATTERNS

Bar Pairs



Continental



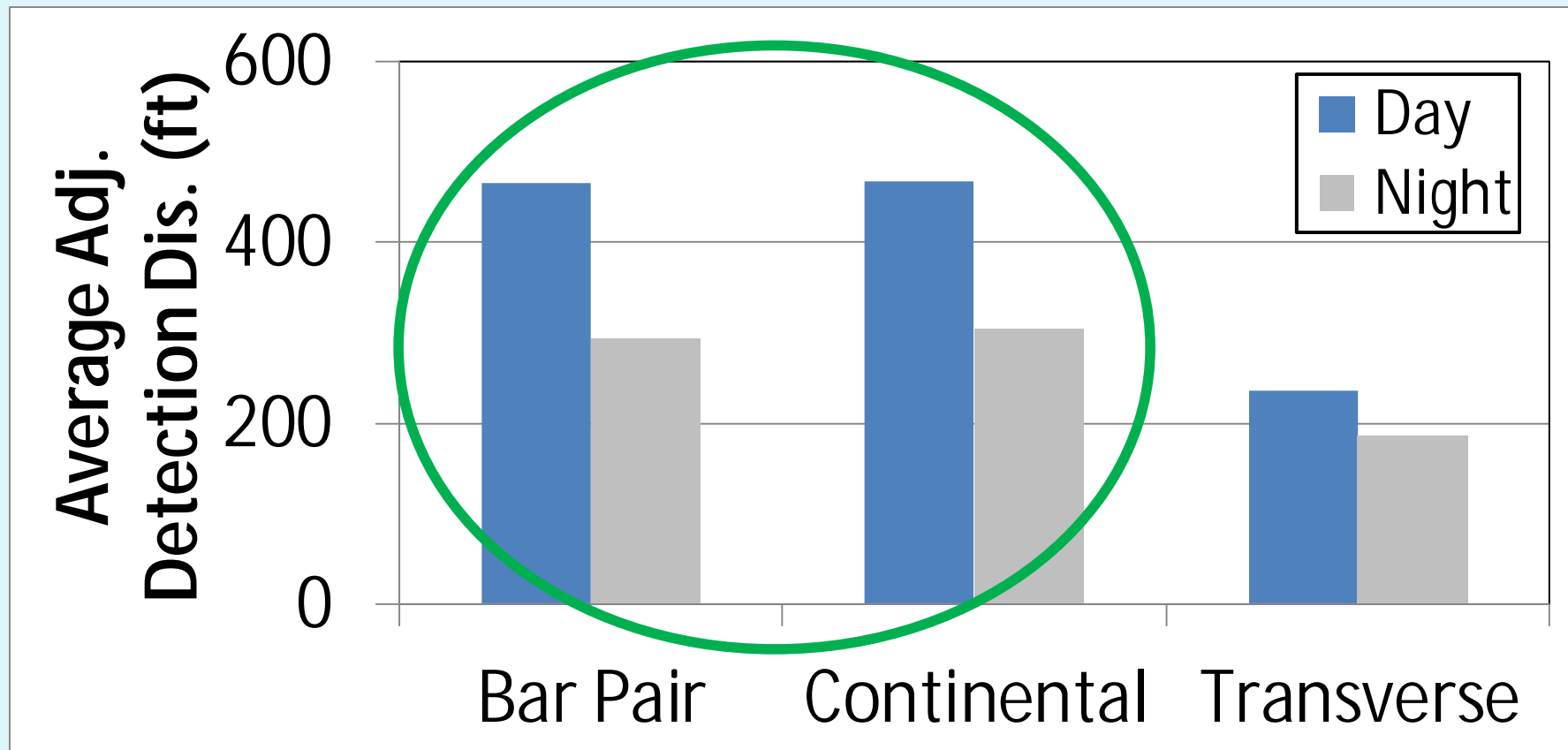
Transverse



Source: Kay Fitzpatrick, TTI

CROSSWALK DETECTION DISTANCE

KEY FINDING = LIGHT / MARKING



Source: Kay Fitzpatrick, TTI

RECTANGULAR RAPID FLASHING BEACON



Source: Kay Fitzpatrick, TTI

RECTANGULAR RAPID FLASHING BEACON DRIVER YIELDING

Time	Range	Mean
Baseline	0 to 26%	4%
One week	64 to 97%	79%
One month	62 to 96%	84%
Two years	72 to 96%	84%

Source: Kay Fitzpatrick, TTI

PEDESTRIAN HYBRID BEACON



PEDESTRIAN HYBRID BEACON CRASHES AND DRIVER YIELDING

■ Crash Reduction

- 29% reduction in total crashes
- 69% reduction in pedestrian crashes

■ Driver Yielding in Austin:

- 89% driver yielding for 45 ft crossing distance
- 92% driver yielding for 68 ft crossing distance

QUESTIONS

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