

Speed dominates collision causes in Pinellas County Vision Zero Analysis

Sarah Caper, AICP Forward Pinellas Marshall Wilson Ballard, GISP Fehr & Peers



Vision Zero

Vision Zero recognizes that humans make mistakes and therefore the transportation system should be designed to minimize the consequences of human error.

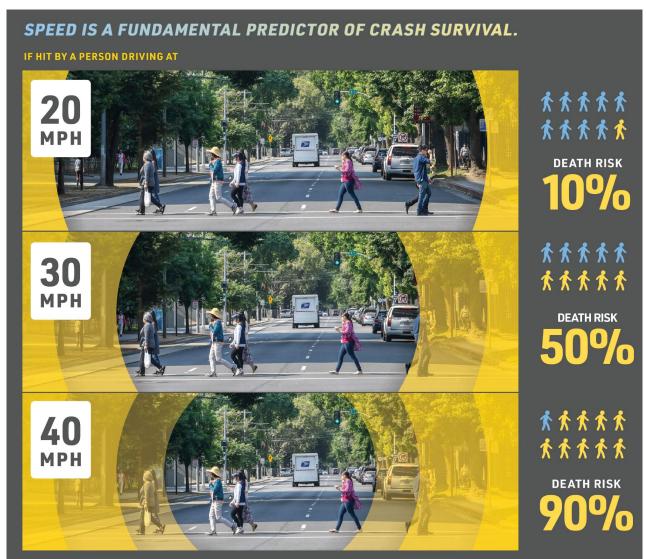
The Vision Zero approach is fundamentally different from the traditional traffic safety approach in American communities in six keyways.

Reframes traffic deaths as preventable. Integrates human failing into the approach. Focuses on preventing fatal and severe crashes rather than eliminating all crashes. Aims to establish safe systems rather than relying on individual responsibility. **Applies data driven** decision making. Establishes road safety as a

social equity issue.



Why this matters!

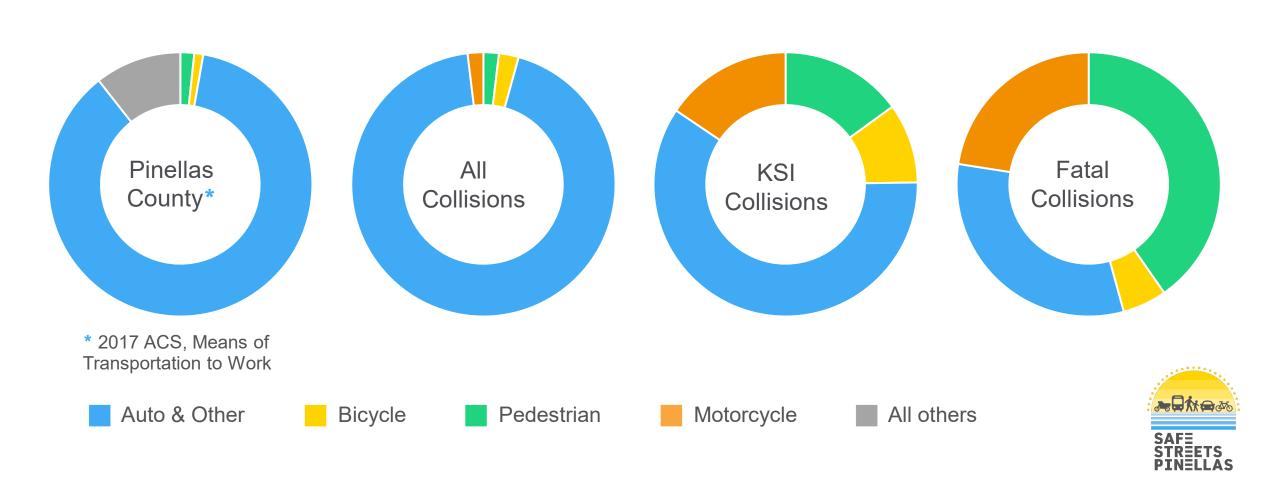


On average, 2 people are killed or severely injured in collisions each day in Pinellas County.



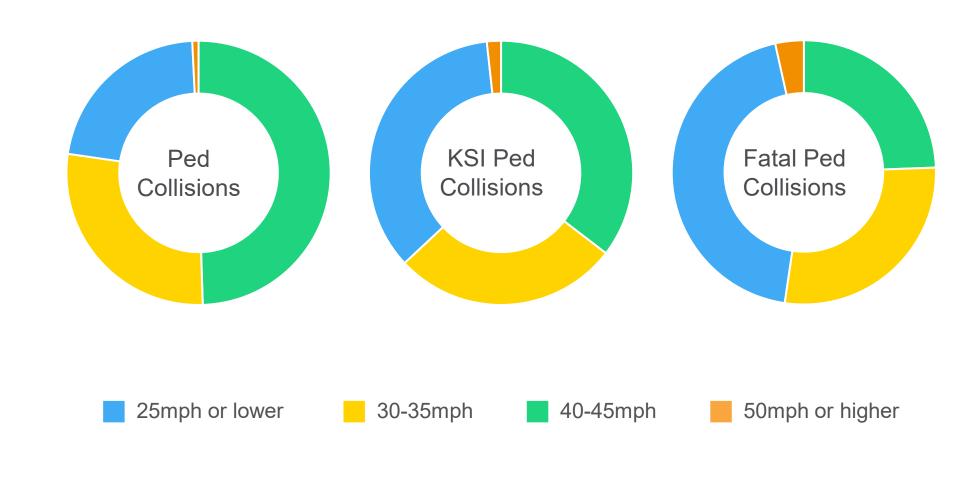
Mode Split

Pinellas County, 9/2014-8/2019



Speed Limits

Pinellas County, 9/2014-8/2019

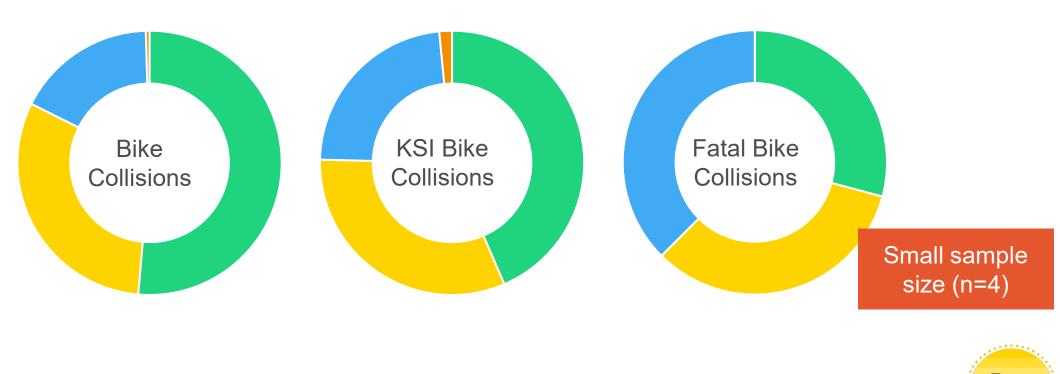




Speed Limits

Pinellas County, 9/2014-8/2019

25mph or lower



40-45mph

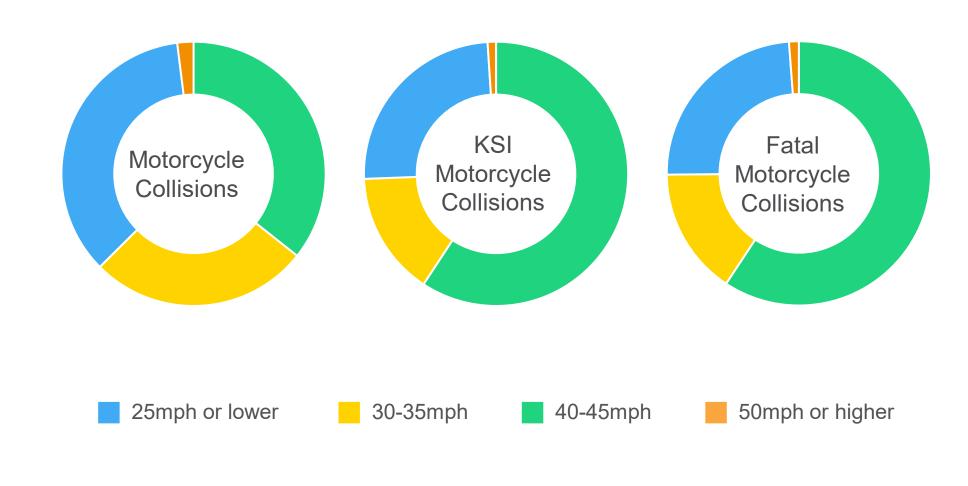
50mph or higher

30-35mph



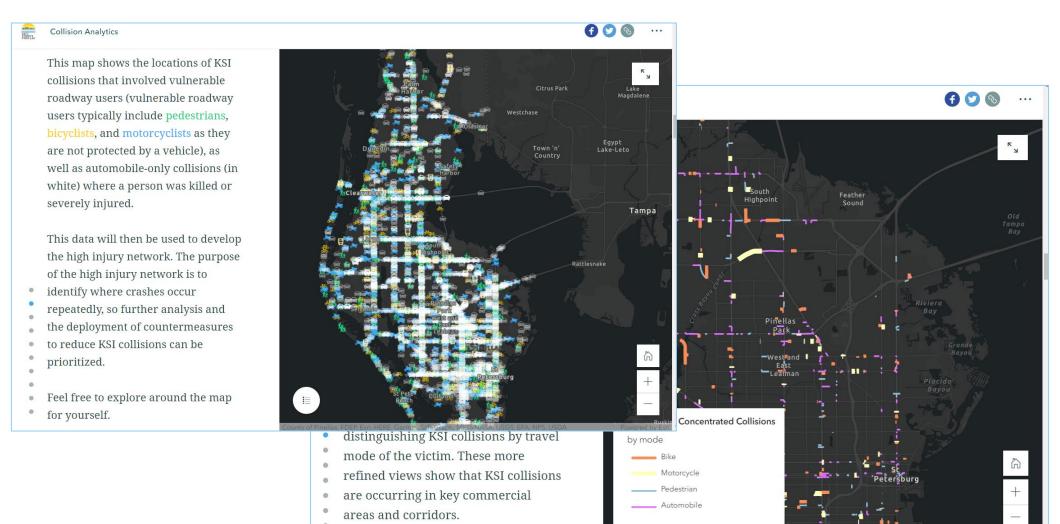
Speed Limits

Pinellas County, 9/2014-8/2019





Telling Our Story





Storymap

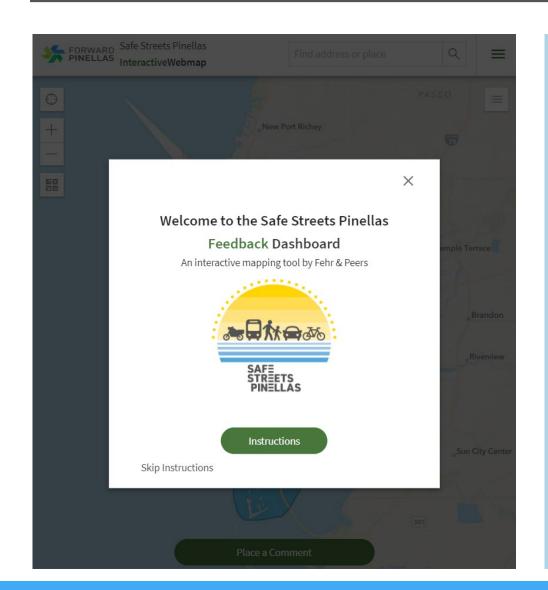
https://storymaps.arcgis.com/stories/6346b01618d04dda8623aabb3a1075be

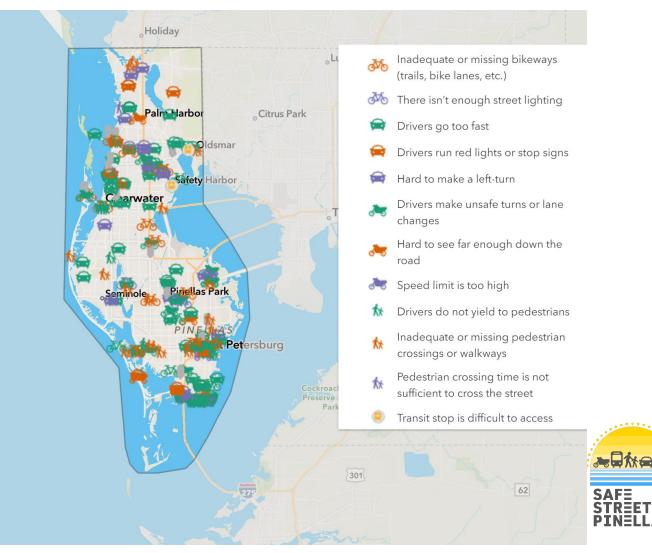




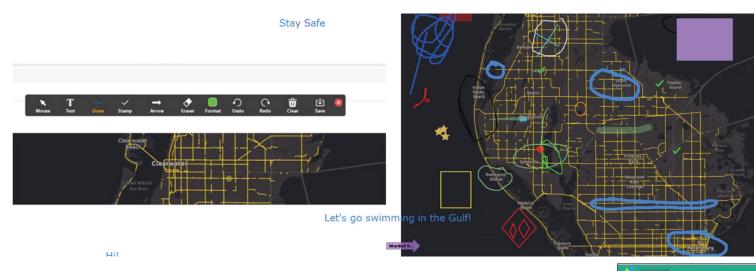
Listening to the Community -Crowdsource

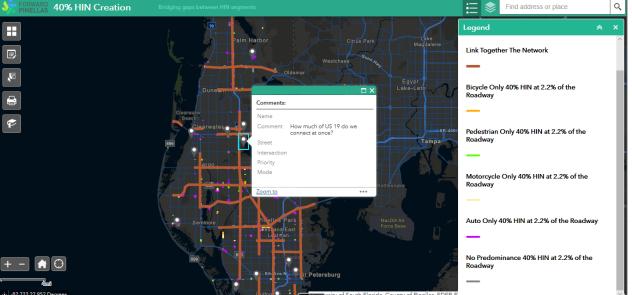
https://apps.fehrandpeers.com/safestreetspinellasCLOSED/





Map Annotation





Technology Demonstration



Key highlights

- 360 people driving were observed driving 10 or more mph over the posted speed limit (35 mph for Curlew and 40 mph for Alt Route 19)
- 60 people driving ran a red light
- 61 people walking or bicycling crossed on red
- Over 3,000 potential near-misses were observed

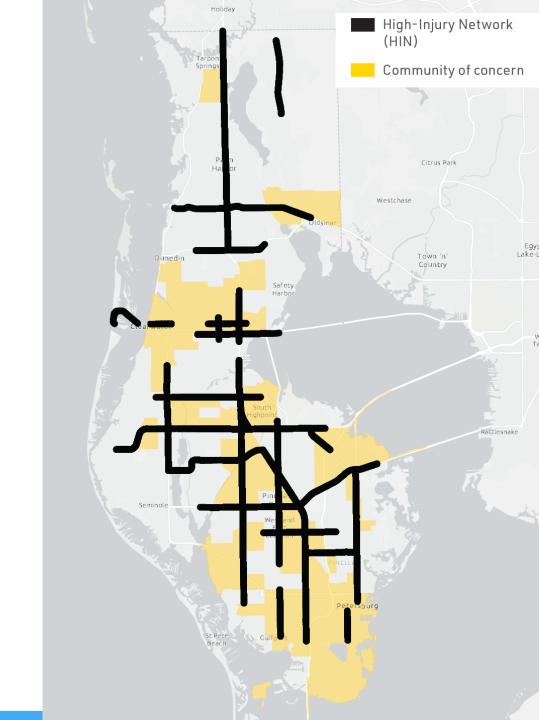


High Injury Network

The HIN represents approximately 40% of the collisions that resulted in a death or severe injury.

73%

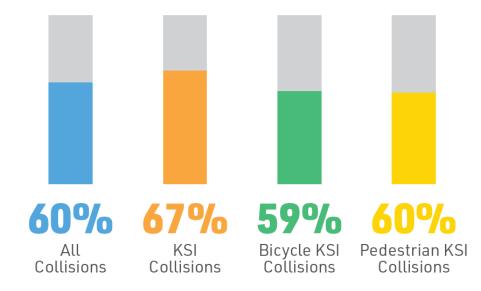
of the HIN bounds or runs through a community of concern, even though they only make up **32%** of the county's area

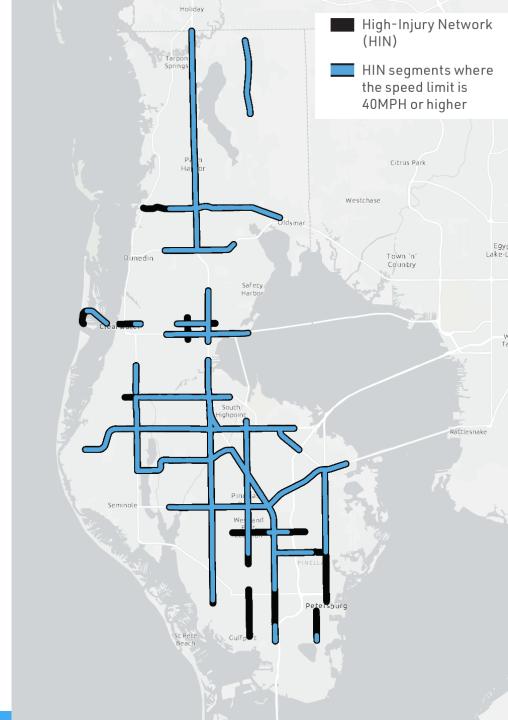


High Injury Network

87% of the HIN have speed limits of 40MPH or higher

66% of the HIN have speed limits of 45MPH or higher Pinellas County roadways with speed limits of 40MPH or higher were the site of





Implementation

- Partner agencies
- Working group
- Demonstration projects
- High Injury Network and Hot Spots



TOWARDS ZERO TOGETHER

FORWARDPINELLAS.ORG



Reach out to learn more

Marshall Wilson Ballard

- M.ballard@fehrandpeers.com
- Twitter @marsxul
- LinkedIn /marshallwilsonballard
- GitHub @marsxul

Sarah Caper, AICP Forward Pinellas

- scaper@forwardpinellas.org
- LinkedIn -/sarah-caper-72b73515
- Forwardpinellas.org/safestreets