

Evolution of Vision Zero

Where We All Start







One serious injury or fatality on public roads is **one** too many.

Charlotte County-Punta Gorda MPO's Call to Action







WHAT IS VISION ZERO?

Vision Zero is a strategy to eliminate all traffic fatalities and severe injuries, while increasing safe, healthy, equitable mobility for all. The Vision Zero approach views traffic fatalities as preventable, not inevitable, and relies on multi-disciplinary collaboration and is data-driven and equity-centered. For more information refer to the Vision Zero Core Elements at https://visionzeronetwork.org/resources/vision-zero-core-elements/.

Road to Zero Performance Goals vs. Actual Fatality Counts







Evolution of Vision Zero

The Process

Engage: Stakeholders



EMERGING MOBILITY INJURY MONITORING IN SAN FRANCISCO, CALIFORNIA UTILIZING HOSPITAL TRAUMA RECORDS: A METHODOLOGY

VERSION 2.0 SAN FRANCISCO, CALIFORNIA June 2019

Vision Zero SF Injury Prevention Research Collaborative A Collaboration between the San Francisco Department of Public Health's Program on Health, Equity and Sustainability and the Zuckerberg San Francisco General Hospital and Trauma Center

Engage: Stakeholders

Question 1:

Do You Feel that Street Design in Denton Prioritizes Safety Over Speed?





Analyze: High Injury Network Development





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Analyze: High Injury Network Development

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VISION ZERO

EL PASO * ONE VISION FOR SAFE STREETS

Welcome to the EI Paso Vision Zero online dashboard. Use this tool to explore and visualiz and locations within the city using data between 2017 and 2021. The interactive cards belways to explore the data. Hover over the card of interest to see more information and click button.

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This dashboard was developed as a component of the Vision Zero program in El Paso. Visi collection of tools, policies, strategies, and infrastructure aimed at eliminating all roadway injuries.

30% of fatal and severe injury collisions in El Paso occur on state-maintained streets. The n occur on local streets managed by the City of El Paso. The information shown on this page trends seen in collisions occurring on local streets.

For the best performance please use a laptop or desktop computer to view the dashboard

To learn more about Vision Zero, please visit the project website.



Initial datas ADGOVIZE: Removed Berords without lat/long Concontractory of the second sec

3. ~20K Crashes in dataset





- Weighting of collisions based on severity
- Spatial joining of collisions to intersection and/or segment
- HIN Index (score) for each link
- Iterative process to define thresholds for HIN
- Final HIN: 68% of KSI on 5% of roadway network
- Identify important combinations of collision factors and contextual factors
- Account for significant % of KSI
- Collision types that result in high KSI, contextual factors that account for high proportion of collisions



Rolling Analysis Approach



Be Proactive



Be Proactive



El Paso wejo data viewer October 2022 Average Speed and ADT

Leveraging Technology to Understand Roadway Behavior

Near Miss Analysis:

- 360 drivers were observed driving 10 or more mph over the posted speed limit
- 60 people driving ran a red light
- 61 people walking or bicycling crossed on red
- Over 3,000 potential near-misses were observed



Emerging Technology



Emerging Technology

Safer Crossings: UTA Researchers Deploy Lidar Pedestrian Safety Tech in Arlington and Irving Intersections

The research team has deployed the Helius Smart Lidar System at two North Texas intersections, using real-time 3D object detection and tracking to analyze pedestrian behavior. They've also deployed a dynamic flashing yellow arrow system that can change the way traffic lights work when pedestrians are detected.









FEHR > PEERS

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Thank you! Josh Peterman | PE, RSP1 j.peterman@fehrandpeers.com