

Through Vision Zero SF we commit to working together to prioritize street safety and eliminate traffic deaths in San Francisco.

VISION ZERO SF



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Health Commission

Megan Wier, San Francisco Dept. of Public Health

ELIMINATING TRAFFIC DEATHS IN SAN FRANCISCO

Core Principles













Speed

People make mistakes, no one should die when this happens

VS

TRADITIONAL APPROACH

Traffic deaths are INEVITABLE

PERFECT human behavior

Prevent COLLISIONS

INDIVIDUAL responsibility

Saving lives is **EXPENSIVE**

VISION ZERO

Traffic deaths are PREVENTABLE

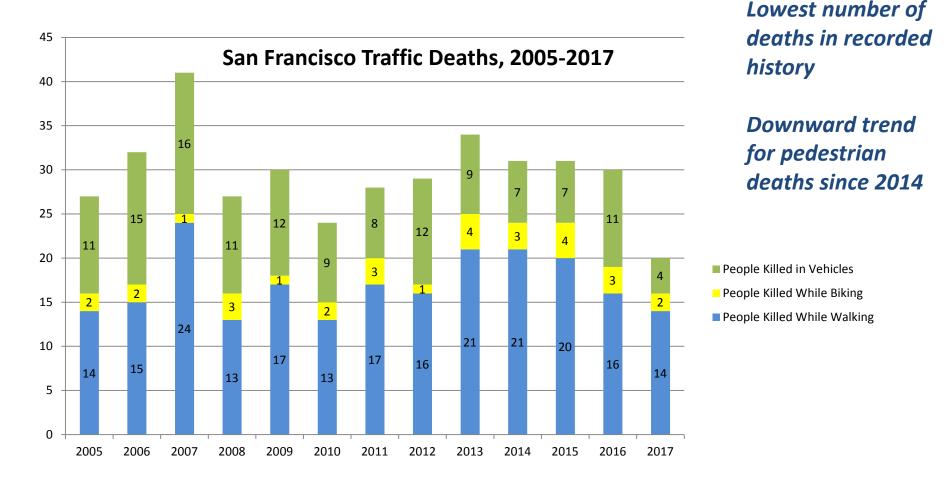
Integrate HUMAN FAILING in approach

Prevent FATAL AND SEVERE CRASHES

SYSTEMS approach

Saving lives is **NOT EXPENSIVE**

VISION/HANETWORK



NOTE: 2005-2012 deaths from SWITRS data, restricting to San Francisco City Streets jurisdiction, including streets that intersect with freeways (i.e., fatalities occurring at freeway ramps in the City jurisdiction). 2013 traffic deaths from SFPD. 2014-2017 traffic deaths reported using the Vision Zero Traffic Fatality Protocol based on data from the Office of the Medical Examiner and SFPD; includes deaths involving light rail vehicles not routinely reported in SWITRS.

NATIONAL CONTRAST

14% increase in U.S. traffic fatalities in 2016 relative to 2014

Increase particularly notable *among pedestrians and motorcyclists*

Preliminary national pedestrian death data for 2017 shows *trend is not reversing*



2017 TRAFFIC DEATHS

20 Fatalities in 2017

Vulnerabilities/Predictors:

People Walking: 70% of people killed – downward

trend since 2014

Seniors: 50% of pedestrian deaths

Driver Failure to Yield and Unsafe Speed: Violations

in >50% of deaths

Concentrated on the Vision Zero High Injury Network

SFDPH AND VISION ZERO SF

| Vision Zero Role | Public Health Approach |
|--|---|
| Co-Chair of Mayor's Citywide Vision Zero Task Force with SF Municipal Transportation Agency | Multi-sector Partnerships , Stakeholder Engagement |
| Lead for Data Systems and Evaluation | Data-Driven, Evidence-Based Approach to Prevention; Focus on <i>Most Severe Health Outcomes</i> |
| Community Engagement and Education | Engagement - particularly with <i>Vulnerable Communities Coordinated Crisis Response</i> for <i>Victims' Families</i> |
| Policy | Structural Change; Data-Driven, Evidence- Based Approach |
| Equity | Core Public Health Value |

CITYWIDE TASK FORCE: CO-CHAIRED BY SFDPH AND SFMTA

- Mayor's Task Force
- Meets Quarterly in City Hall
- City Agency and Community Participation
- Accountability, Transparency, Community Engagement





















IMPROVING INJURY REPORTING FOR TARGETED INTERVENTIONS

Standard Practice: Police Reported Injury Collisions

- Detailed data about crash characteristics
- Little data on injuries (4 levels of injury severity classification)
- Underreporting of injuries
 - 21% underreporting of pedestrian injuries

(Sciortino et al 2005)

• 27% underreporting of cyclist injuries

(Lopez et al 2012)



- Detailed health outcome data
- Comorbidities (mental illness, hypertension, etc)
- Disability status
- Demographics (race/ethnicity, insurance type)
- Homelessness
- Little data on cause or location of injury
 - Mechanism of injury code
 - No location info
 - No cause of crash info



IMPROVING INJURY SEVERITY ASSESSMENT



- b. <u>Severe Injury</u>. An injury, other than a fatal injury, that includes the following:
 - Broken or fractured bones.
 - (2) Dislocated or distorted limbs.
 - (3) Severe lacerations.
 - (4) Skull, spinal, chest or abdominal injuries that go beyond "Other Visible Injuries."
 - (5) Unconsciousness at or when taken from the collision scene.
 - (6) Severe burns.

Hospital-Based Definition:

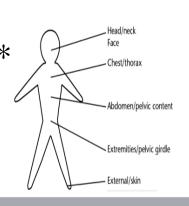
Clinical Examination

Severe Injury:

Admitted to ZSFGH

and/or

Injury Severity
Score (ISS) > 15*

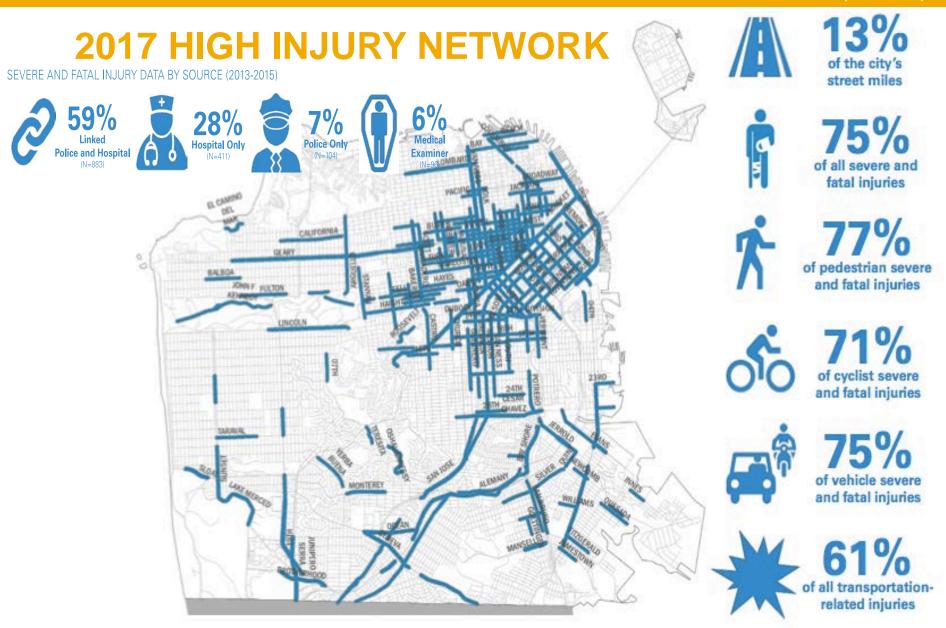


^{*} Injury Severity Scoring (ISS) correlates with mortality, morbidity, hospital stay and other measures of severity.

HIGH INJURY NETWORK: 2017 UPDATE

- Access New Data from Zuckerberg SF General:
 - Utilizing hospital data linked to police data to improve the accuracy of injury severity for police reported traffic injuries.
- Include Injuries Not Reported by SF Police Dept.:
 - Utilizing the above ZSFG data linked to EMS data to identify and map unreported transportation-related injuries for a more comprehensive assessment of injuries and their locations.
- Focus the High Injury Network:
 - Focusing more directly on the corridors with the high numbers of killed and severely injured to better align the network's purpose with the goals of Vision Zero.

First in the United States to link, map and analyze this data in support of Vision Zero.



N = 1,494 severe and fatal transportation-related injuries.

SFPD = San Francisco Police Department collision reports, 2013-2015.

ZSFG = Zuckerberg San Francisco General Hospital data linked to Emergency Medical Services data, 2013-2015.

SFDPH is educating seniors and service providers about Vision Zero and gathering input to bring back to City agencies

- Conduct multi-lingual presentations to seniors and service providers on Vision Zero, how to get involved, and how to stay safe
- Reached over 730 seniors and staff at 25 locations
- Funded seven community based organizations to conduct indepth education and outreach in their neighborhoods in FY 16-17 and eight in FY 17-18

Collaborating with SFMTA to develop new data-driven program for targeted engineering improvements in 2018/2019 – Safe Streets for Vulnerable Populations, including Seniors, People with Disabilities, Youth



CRISIS RESPONSE FOR VICTIMS' FAMILIES







Coordinated City Response for Families of People Killed in Traffic Crashes – Initiated at the Crash Scene. *Currently participating agencies:*

- San Francisco Department of Public Health Crisis Response Team, Community Health Equity and Promotion, Environmental Health
- San Francisco Medical Examiner's Office
- San Francisco Police Department
- San Francisco District Attorney's Office

Increased collaboration and communication for improved service to victims' families:

- SFPD Collision Investigators supported by SFDPH Crisis Counselors at the collision scene
- SF District Attorney's Victim Services providing services more quickly within the critical time windows for grieving families – including access to State Victim Compensation Program, assistance navigating the Criminal Justice System
- SFDPH Crisis Response Team providing therapy for individuals and families, up to 24 months

ADVANCING EFFECTIVE POLICIES: AUTOMATED SPEED ENFORCEMENT

AB 342: Safe Streets Act of 2017 (Chiu)

- Introduced 2/8/17
- Carried over to 17/18 Session
- Not put to vote in Jan. 2018 Staunch law enforcement union opposition
- Evaluating options for 19/20 Legislative Session



INCREASING MOMENTUM

□ Elevating Equity
 □ Advancing Community Engagement
 □ Utilizing Hospital Data to Better Address Vulnerable Communities (e.g., Homeless, People with Disabilities)
 □ Transparent Monitoring and Evaluation
 □ Predictive Modeling
 □ Emerging Technologies: Autonomous Vehicles
 □ 2019-2020 Action Strategy Planning + Bold Ideas

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THANK YOU!

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