

AGENDA



8:30 – 9:15 AM: Welcome / Introductions / Overview

9:15 – 9:45 AM: Statewide Summary

9:45 – 10:15 AM: Regional Summary

10:15 – 11:30 AM: Safety Strategy Session

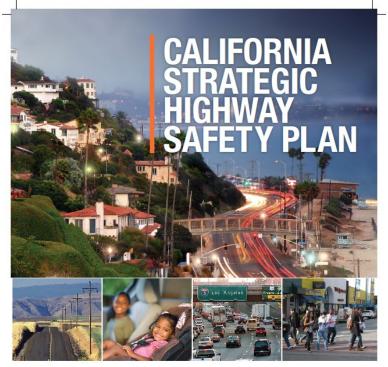
11:30 – 12:00 PM: Report Out and Next Steps

12:30 – 1:30 PM: Tribal Outreach Session

SHSP OVERVIEW

CALIFORNIA SAFE ROADS
2020 - 2024 Strategic Highway Safety Plan

- Guides safety activities for all roadway users
- Addresses safety on all public roads
- All agency coordinated approach
- Strategic, data-driven process
- Federal requirement
- Current SHSP covers 2015 to 2019





2015-2019

SHSP OVERVIEW

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2015-2019

SHSP LOCAL AND REGIONAL BENEFITS CALIFORNIA SAFE ROADS 2020 - 2024 Strategic Highway Safety Plan

Improve safety

Save lives

Reduce preventable injuries

Improve livability

Support active transportation goals

Improve public health

Coordinate with congestion management efforts

Share local knowledge

Exchange best practices

Access information and data

Funding and partnering opportunities

Website: http://www.dot.ca.gov/trafficops/shsp/ **Email:** SHSP@dot.ca.gov

SHSP VISION, MISSION & OBJECTIVE



Vision

Safe Public Roads Across California

Mission

Ensure safety for all modes of travel on California's public roads

Goal

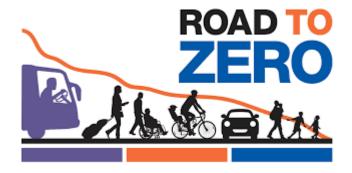
Zero Fatalities

MULTIPLE SAFETY APPROACHES









STATEWIDE COLLABORATION

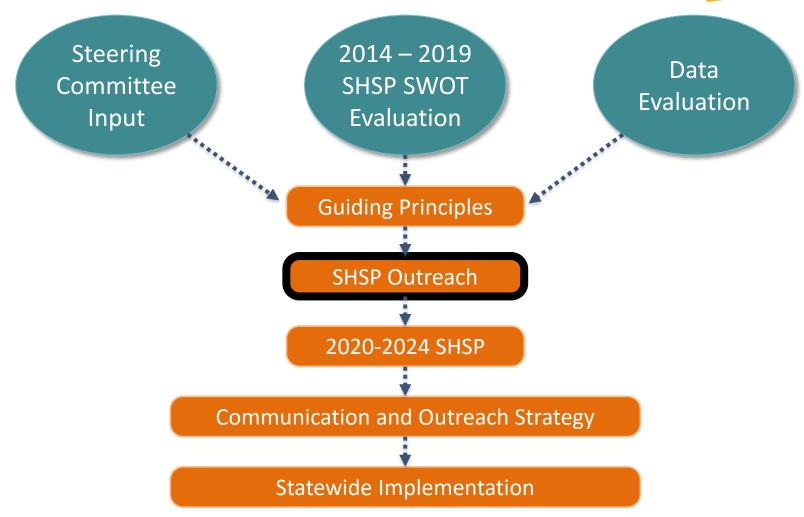


Working together to reduce fatalities and serious injuries on all public roadways.



DEVELOPMENT PROCESS

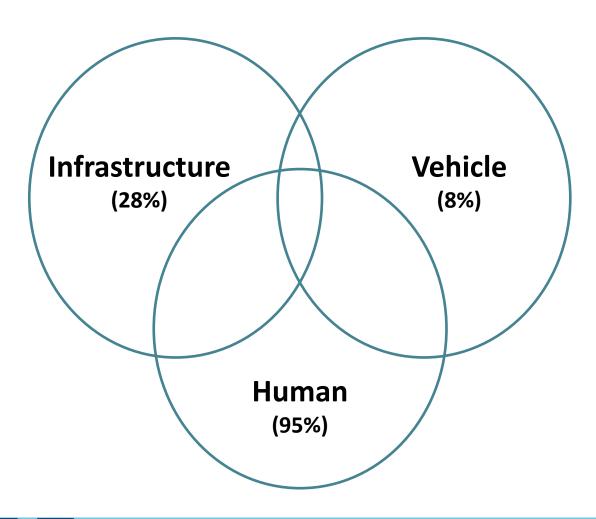




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COLLISION FACTORS





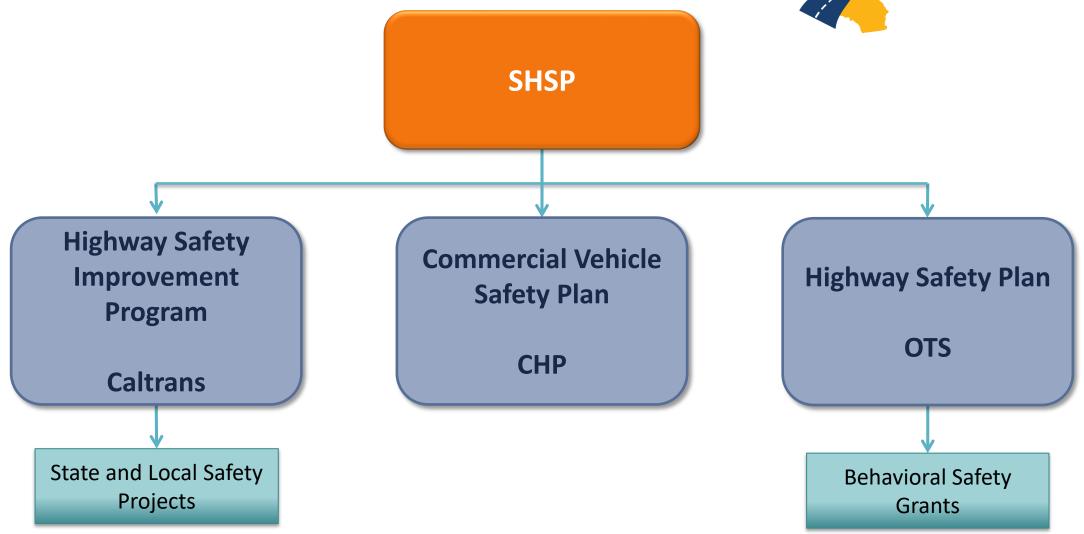
4 Es now 5 Es OF TRAFFIC SAFETY





SHSP CONNECTIONS





Website: http://www.dot.ca.gov/trafficops/shsp/

Email: SHSP@dot.ca.gov

CALTRANS HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP)



- FAST Act
 - Continues the Highway Safety Improvement Program as a core Federal Aid program to significantly <u>reduce fatalities and serious injuries</u> on all public roads.
 - Local HSIP Program
 - Safety Improvement Projects (Benefit/Cost selected safety projects)
 - (New) Systemic Safety Analysis Report Program (SSARP)



OFFICE OF TRAFFIC SAFETY



- Liaison with the National Highway Traffic Safety Administration (NHTSA)
- California Highway Safety Plan
- Annual Performance Report
- Grant Programs



CALIFORNIA HIGHWAY PATROL



- Mission Provide the highest level of Safety, Service, and Security
- CHP involvement in the SHSP
 - Executive Committee Commissioner Warren Stanley
 - Steering Committee Assistant Chief
 - Lead or Co-lead on 10 of the 15 Challenge Areas
 - Active involvement on 13 of the 15 Challenge Areas
 - Lead or Co-lead on 25 of the Actions
 - Mileage Death Rate on the increase (2013: .94 to 2016: 1.08)
 - Work with the Office of Traffic Safety to incorporate SHSP initiatives into the CHP Grants



CALIFORNIA HIGHWAY PATROL



- Current SHSP Actions the CHP is working on
 - Action 5.1 Update CHP DUI Checkpoint Educational Pamphlet with an emphasis on drugs
 - Action 6.1 Develop an issue paper establishing benefits of Standardized Field Sobriety Tests (SFSTs) training for law enforcement agencies
 - Action 6.2 Increase the number of Advanced Roadside Impaired Driving Enforcement (ARIDE) personnel trained by 8 percent
 - Action 4.1 Develop a media campaign....to raise awareness about speeding and aggressive driving
 - Action 2.2 Identify locations with reported pedestrian safety issues
 and conduct high visibility pedestrian safety enforcement operations

CALIFORNIA HIGHWAY PATROL



- Commercial Vehicle Safety Plan
 - Funded by the Motor Carrier Safety Assistance Program (MCSAP) Grant 2018-20
 - Reduce commercial motor vehicle (CMV) involved collisions within CHP jurisdiction, including the Mileage Death Rate for CMVs
 - 53 Commercial Vehicle Enforcement Facilities (38 locations)
 - 144 Mobile Road Enforcement Officers
 - CMV Fatal Crashes 302.6 per year (5 year average)
 - MCSAP Activities: Driver and Vehicle Inspections, Enforcement,
 Compliance Reviews and Audits, Public Education, and Data Collection



FHWA



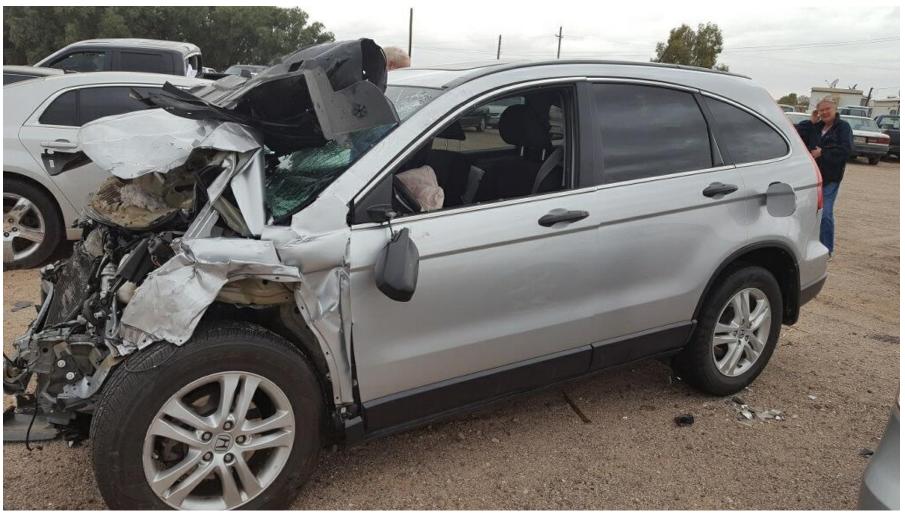
- SHSP is a requirement under SAFETEA-LU
- Statewide-coordinated safety plan led by State DOT that provides comprehensive framework for reducing fatalities and serious injuries on all public roads
- Identifies a State's key safety needs and guides investment decisions towards strategies and countermeasure with the most potential to save lives and prevent injuries
- SHSP shall be data driven, evaluate performance and updated
- SHSP Challenge Areas, Revisions and Stakeholders









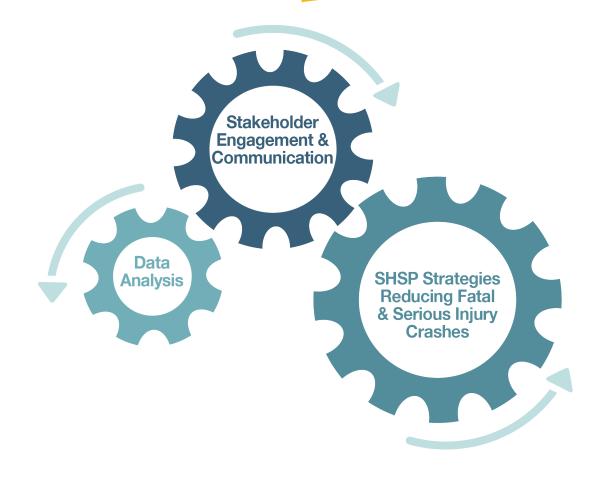




DATA-DRIVEN IMPLEMENTATION

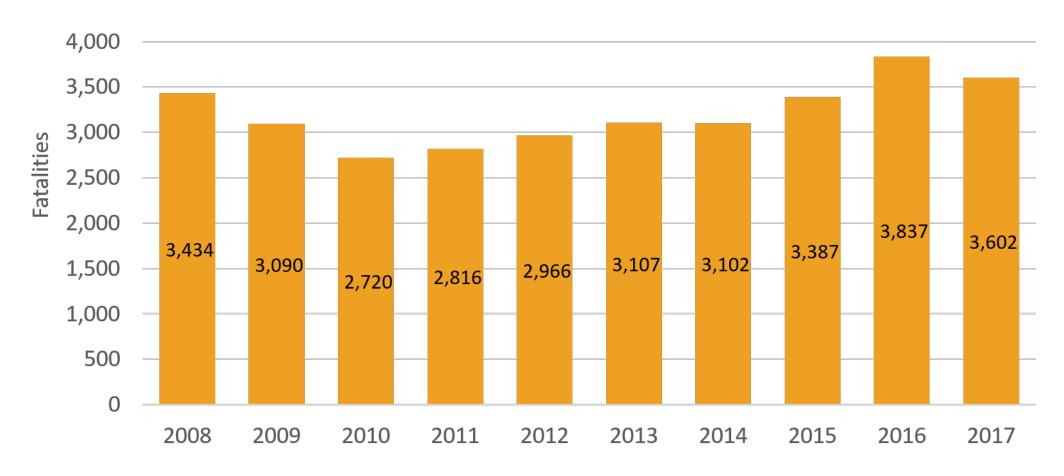
CALIFORNIA SAFE ROADS 2020 - 2024 Strategic Highway Safety Plan

- Data analysis drives implementation
- 2020 to 2024 Data
 - 10 years (2008 to 2017)
 - 128,974 fatal and serious injury collisions
 - 147,458 fatal and serious injuries
 - 1.14 fatal and serious injuries / collision



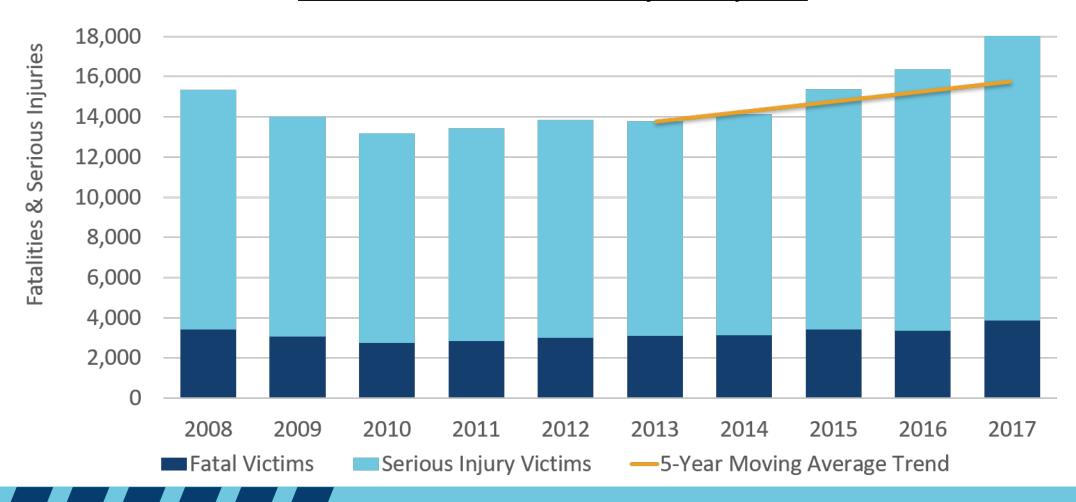


Total Fatalities by Year



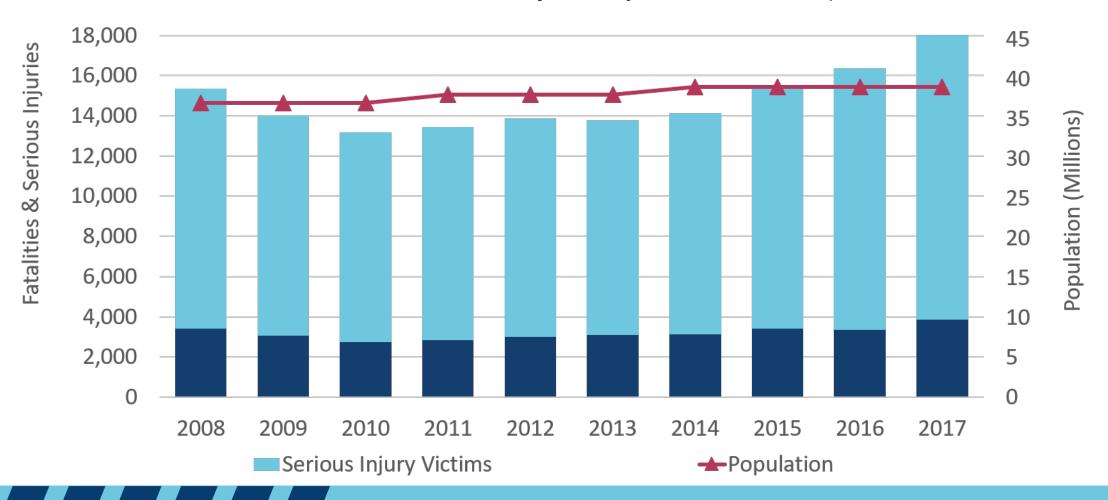


Total Fatalities and Serious Injuries by Year



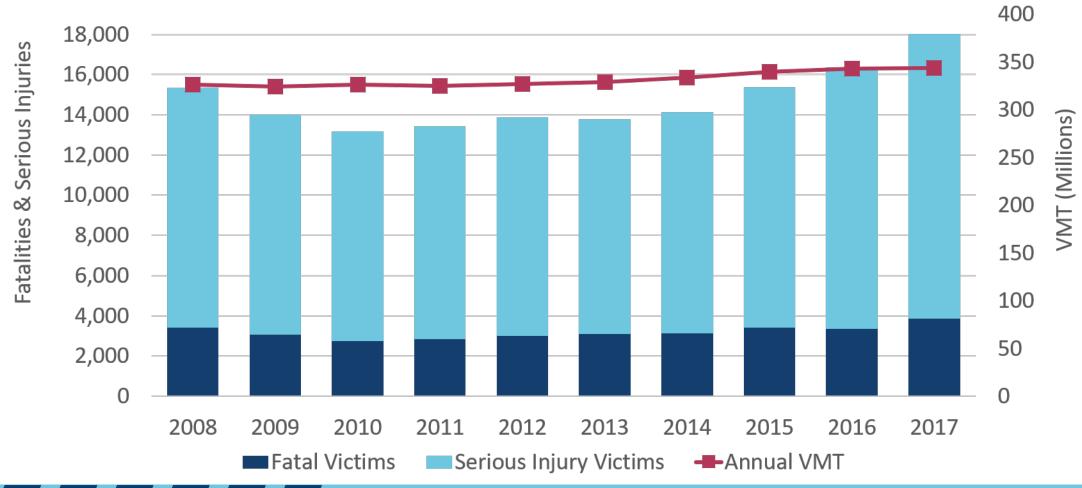


Total Fatalities and Serious Injuries by Year Versus Population



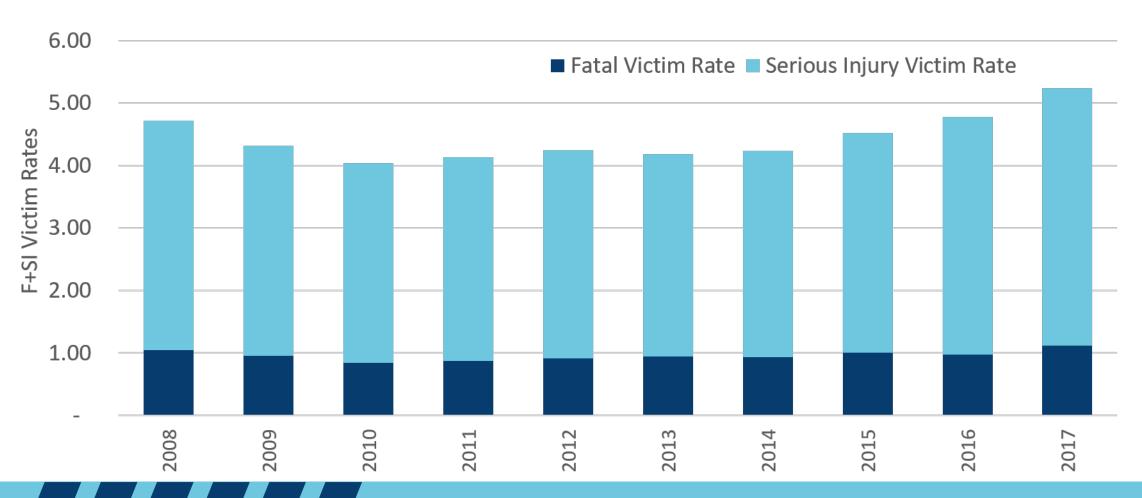


Total Fatalities and Serious Injuries by Year Versus VMT





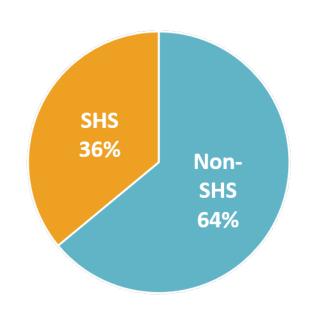
Fatality & Serious Injury Rates



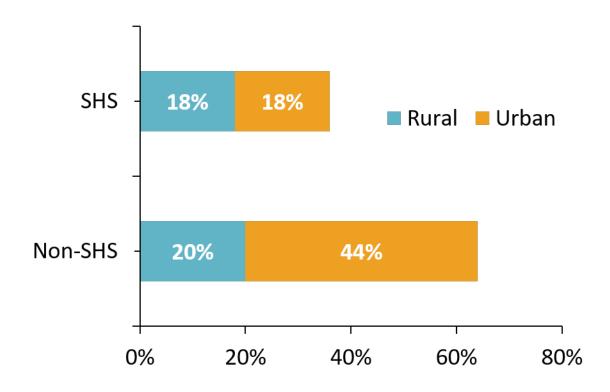
Fatal & Serious Injury Collisions



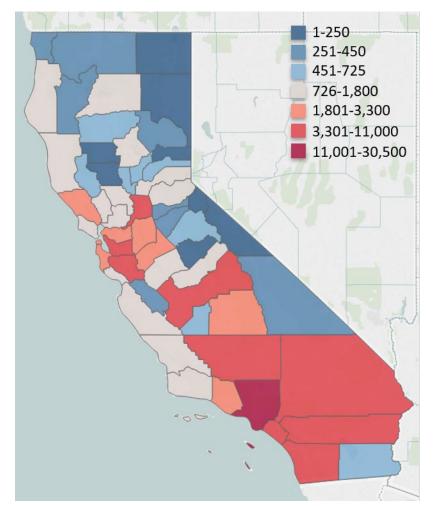
State Highway System (SHS) vs. Non-SHS



Percent of Victims by Location

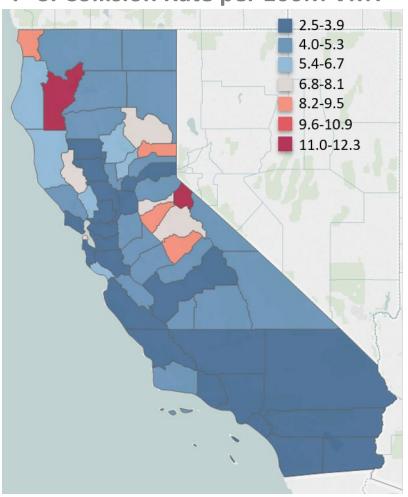


F+SI Collisions



CALIFORNIA SAFE ROADS 2020 - 2024 Strategic Highway Safety Plan

F+SI Collision Rate per 100M VMT





OUTREACH EVENTS







Email: SHSP@dot.ca.gov

FRESNO REGION





13 Counties

Alpine

Calaveras

- San Joaquin
- Stanislaus
- Tuolumne
- Mono
- Mariposa

Merced

Madera

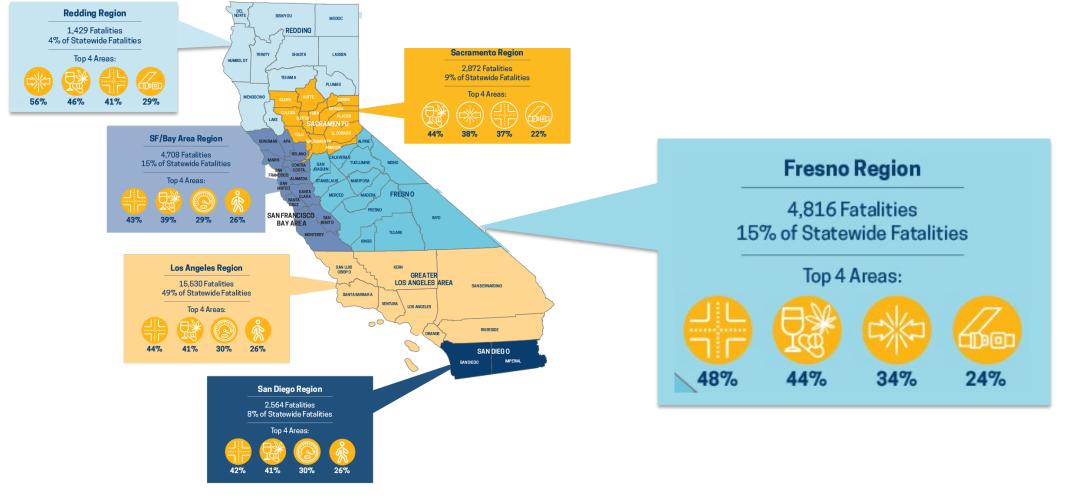
Fresno

Kings

Tulare

Inyo



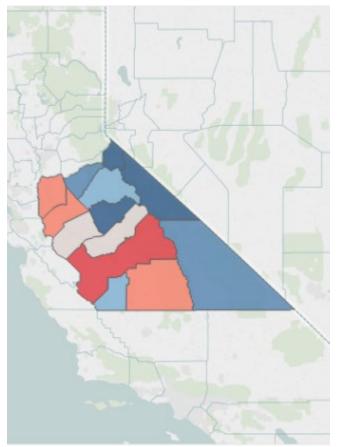


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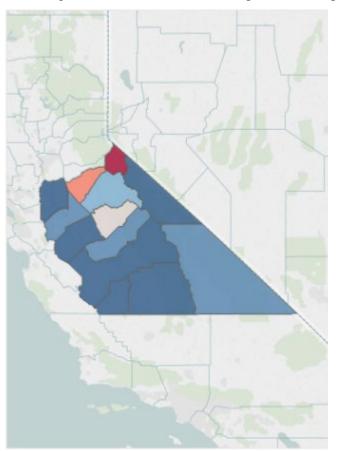


F+SI by County

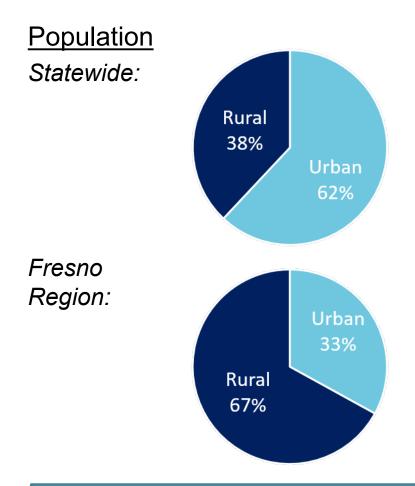


| County | F+SI |
|-------------|-------|
| Alpine | 79 |
| Mono | 181 |
| Mariposa | 195 |
| Inyo | 325 |
| Calaveras | 407 |
| Tuolumne | 483 |
| Kings | 698 |
| Madera | 868 |
| Merced | 1,372 |
| Tulare | 1,874 |
| Stanislaus | 2,276 |
| San Joaquin | 2,793 |
| Fresno | 3,396 |
| | · |

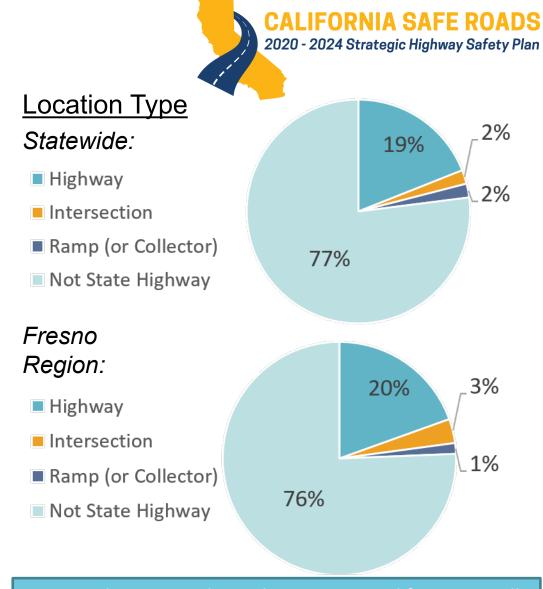
F+SI per 100M VMT by County



| | F+SI PER 100M |
|------------|---------------|
| County | VMT |
| Fresno | 3.7 |
| San | |
| Joaquin | 3.9 |
| Mono | 4.3 |
| Kings | 4.5 |
| Tulare | 4.6 |
| Merced | 4.7 |
| Madera | 5.1 |
| Stanislaus | 5.0 |
| Inyo | 5.3 |
| Tuolumne | 7.1 |
| Mariposa | 8.2 |
| Calaveras | 9.0 |
| Alpine | 11.8 |
| | |

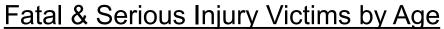


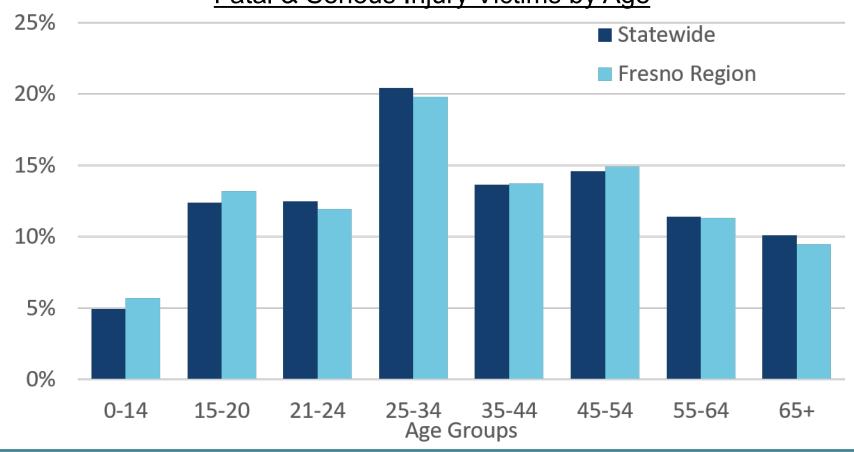
F+SI trends have more rural collisions in this region than California overall.



F+SI trends were similar in this region to California overall.

CALIFORNIA SAFE ROADS 2020 - 2024 Strategic Highway Safety Plan

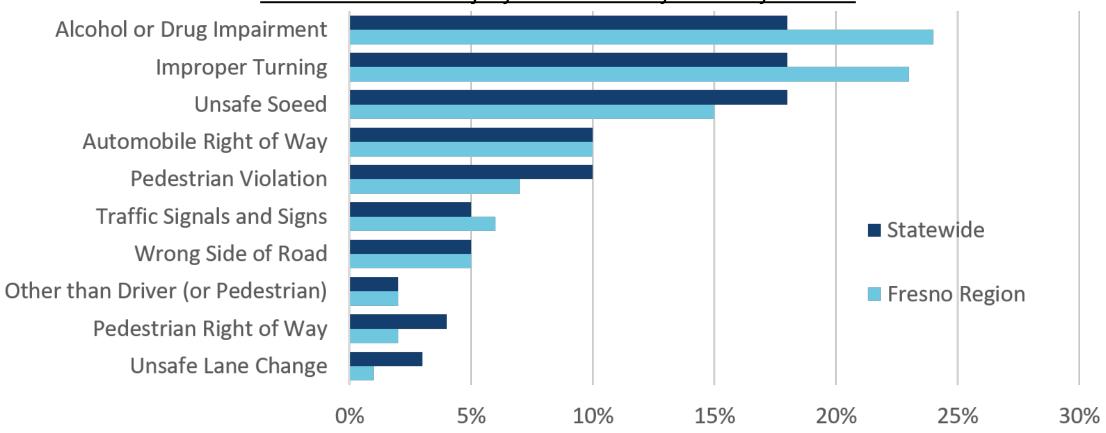




F+SI collisions involved more people aged 0-20 in this region than California overall.

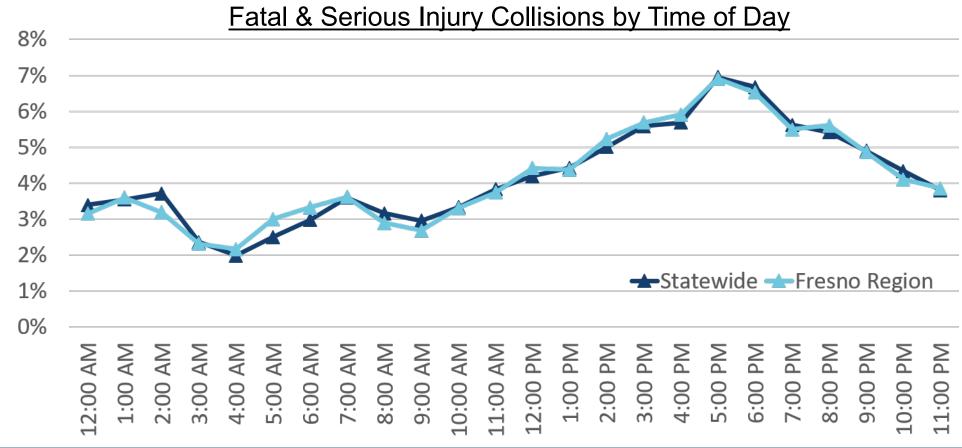
CALIFORNIA SAFE ROADS
2020 - 2024 Strategic Highway Safety Plan





The Fresno region has more F+SI collisions occurring from Alcohol/Drug Impairment and Improper Turning than statewide.

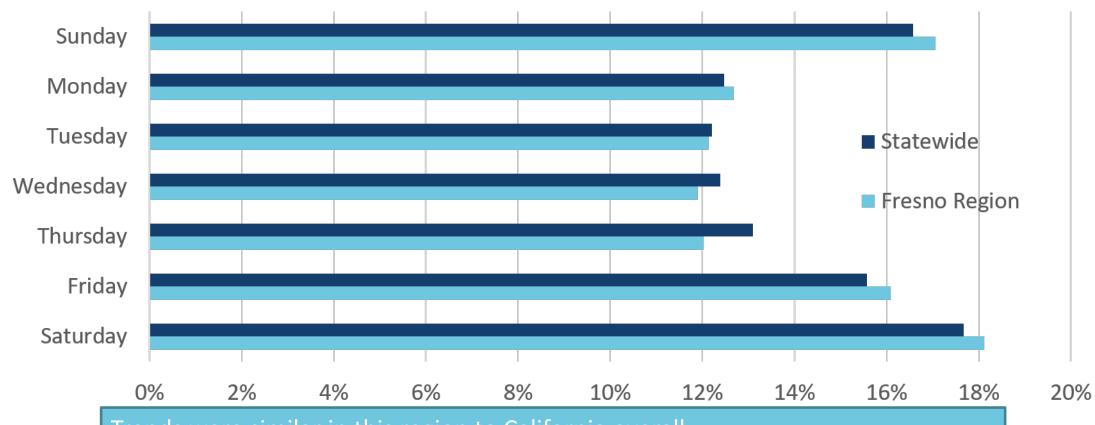




Regional collisions have more collisions between 4:00-7:00 AM than Statewide collision trend.



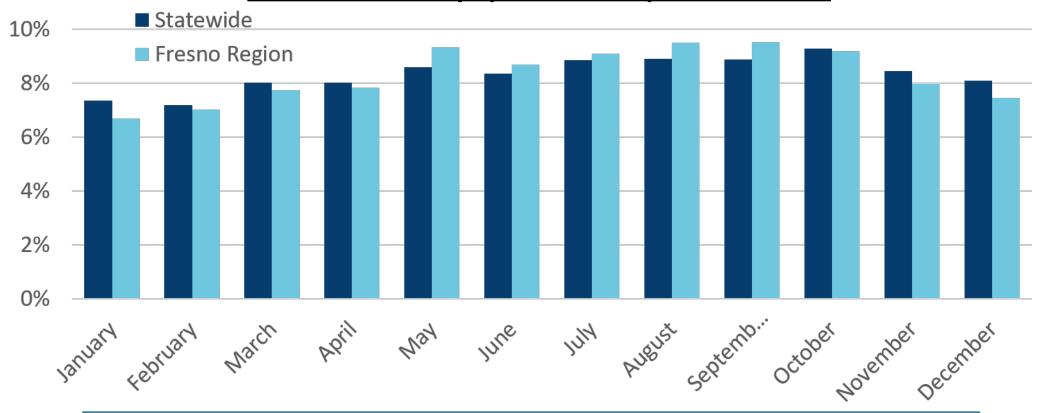




Trends were similar in this region to California overall.



Fatal & Serious Injury Collisions by Month of Year



More collisions occurred in the summer months in this region than California overall.

COLLISIONS OVERVIEW



Intersections & Interchanges

Statewide: 43% Fresno Region: 48%



Speeding and Aggressive Driving

Statewide: 28%

Fresno Region: 22% Lower



Motorcycles

Statewide: 14% Fresno Region: 11%



Alcohol and Drug Impairment

Statewide: 42% Fresno Region: 44%



Pedestrians

Statewide: 23%

Fresno Region: 15%

Lower



Distracted Driving

Statewide: 5% Fresno Region: 5%



Roadway Departure

Statewide: 26%

Fresno Region: 34%

Higher



Young Drivers

Statewide: 13% Fresno Region: 15%



Bicycling

Statewide: 4% Fresno Region: 4%



Driver Licensing and Competency

Statewide: 25%

Fresno Region: 33%

Higher



Occupant Protection

Statewide: 19%

Fresno Region 24%

Higher



Aging Drivers

Statewide: 14%

Fresno Region: 14%



Commercial Vehicles

Statewide: 10%

Fresno Region: 13%



Work Zone

Statewide: 2%

Fresno Region: 2%

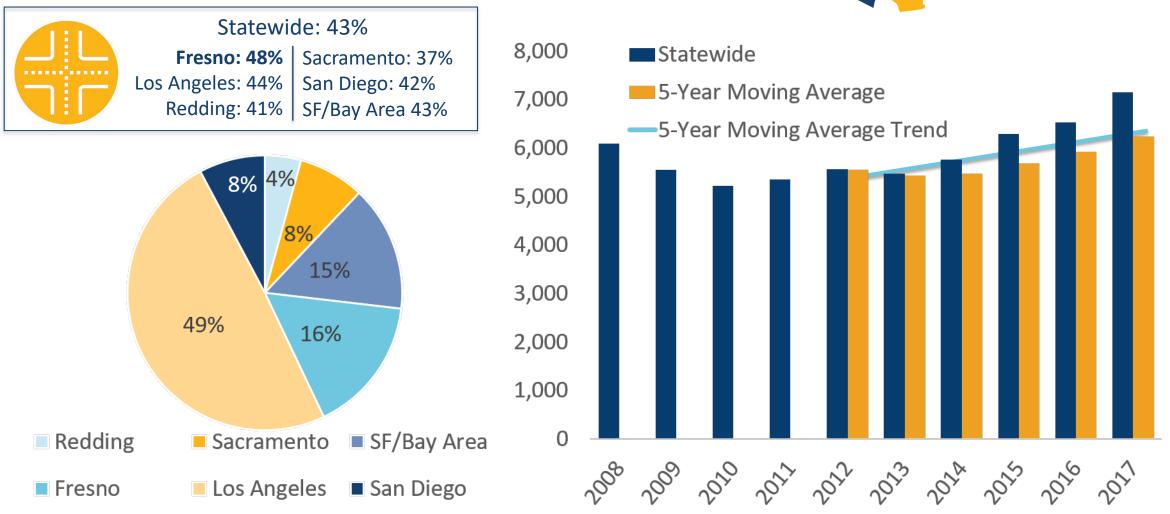
Percent of total fatalities

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Email: SHSP@dot.ca.gov

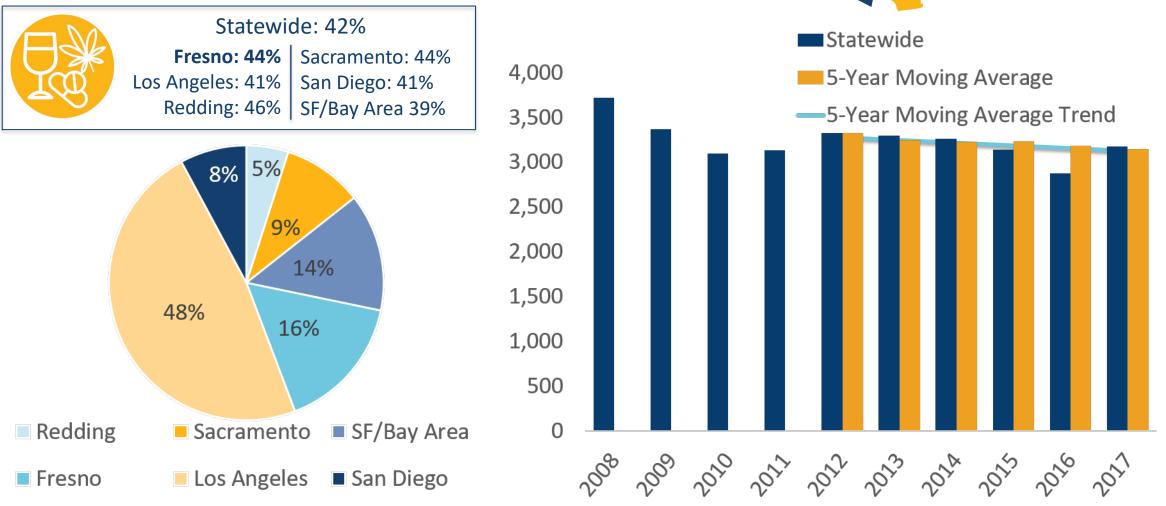
INTERSECTIONS & INTERCHANGES





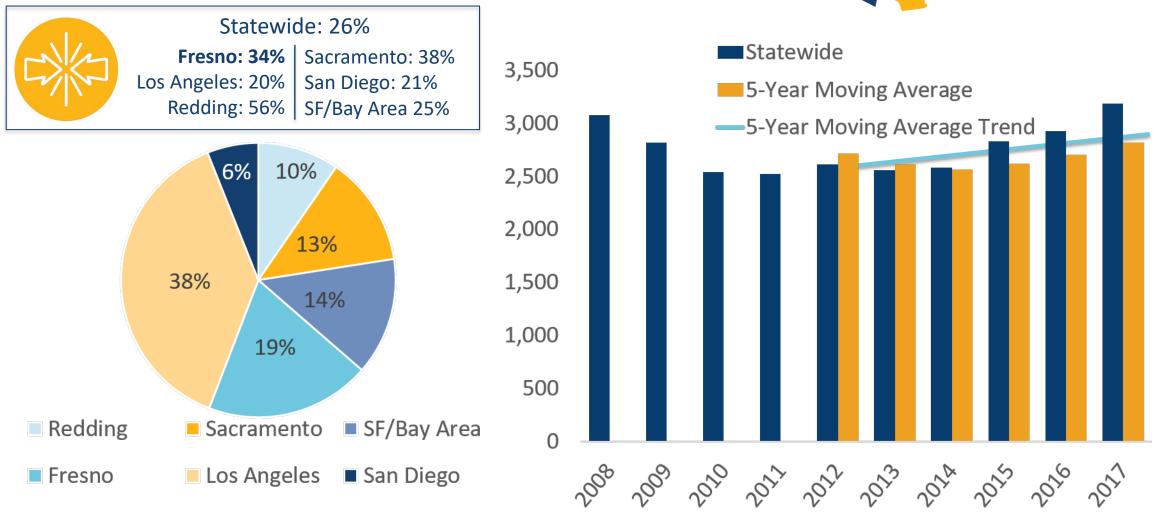
ALCOHOL & DRUG IMPAIRMENT





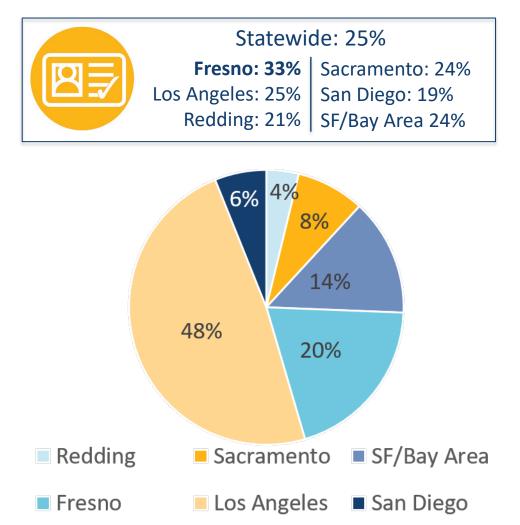
ROADWAY DEPARTURES

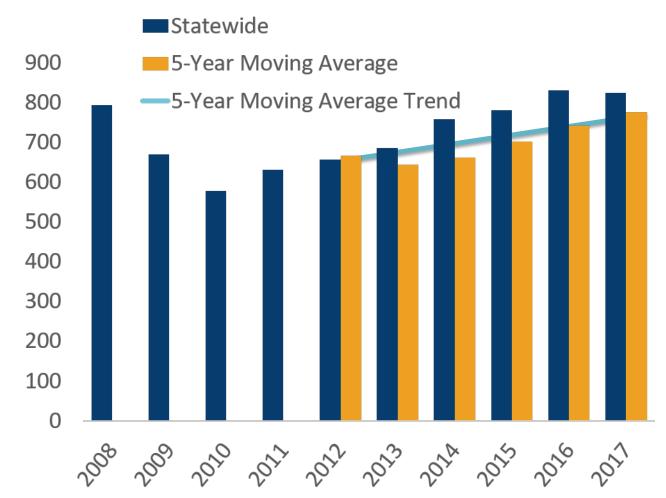




DRIVER LICENSING & COMPETENCY

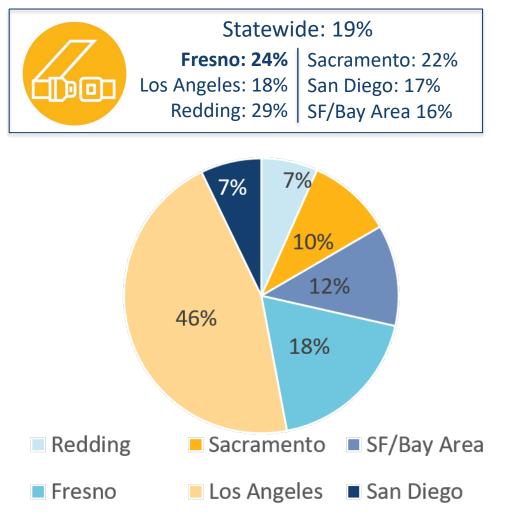


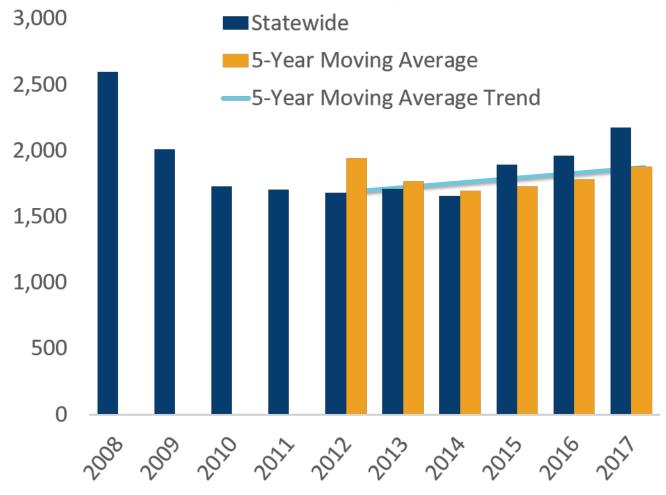




OCCUPANT PROTECTION

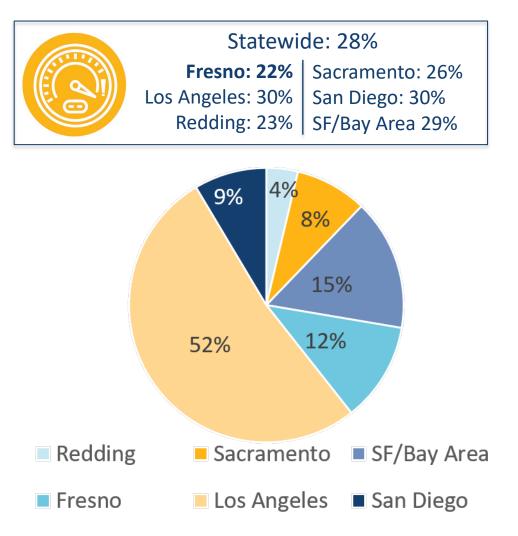


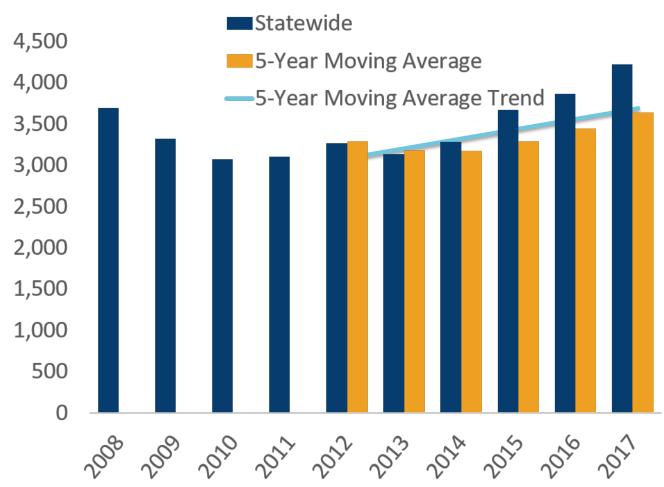




SPEEDING & AGGRESSIVE DRIVING

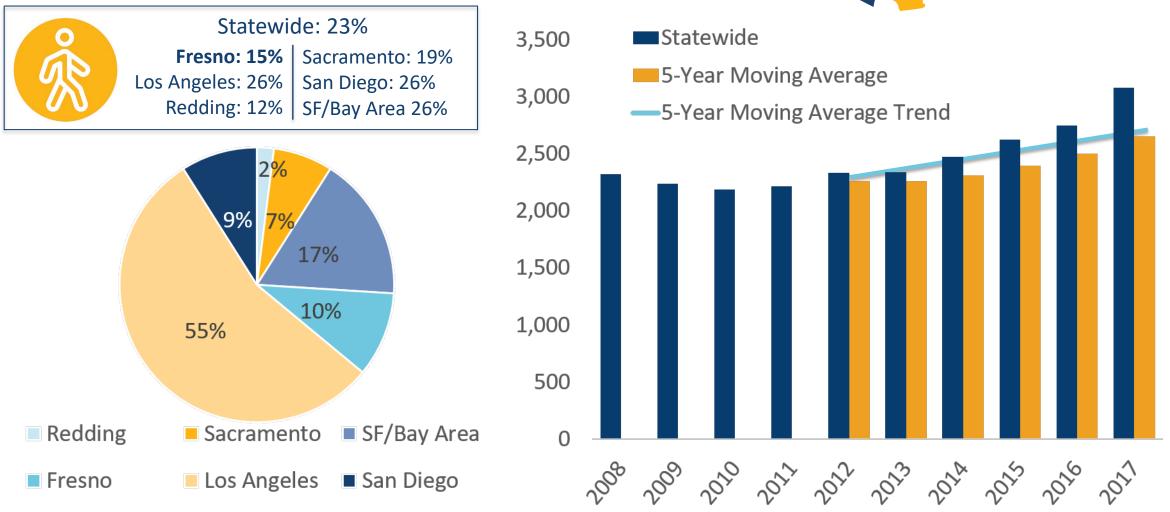




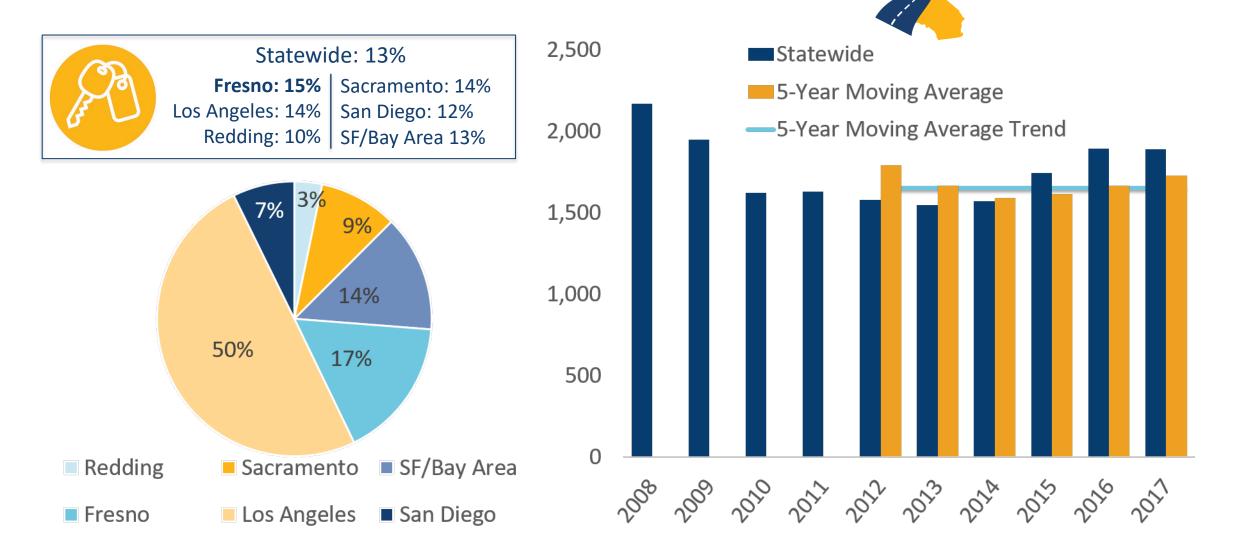


PEDESTRIANS





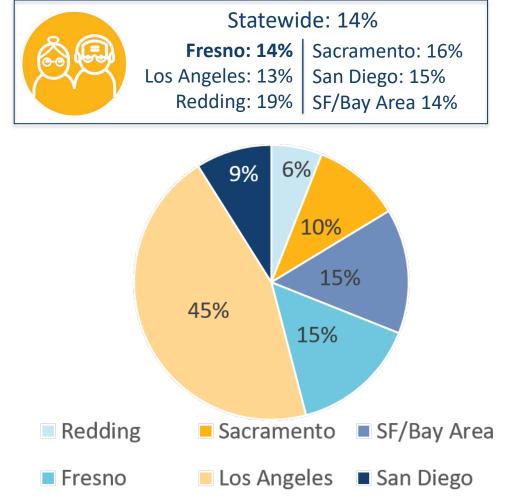
YOUNG DRIVERS

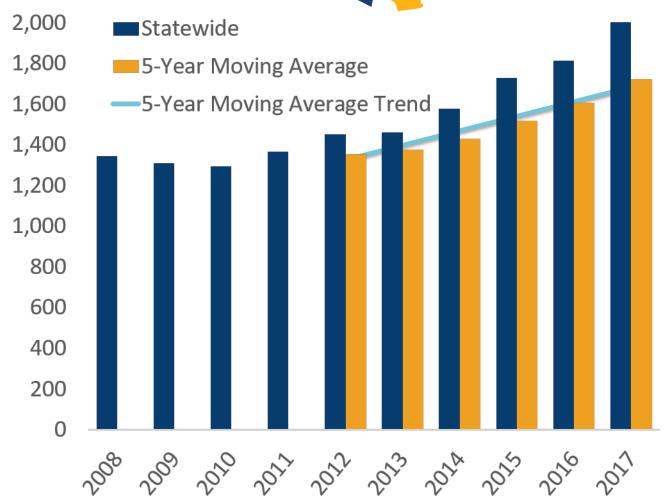


2020 - 2024 Strategic Highway Safety Plan

AGING DRIVERS

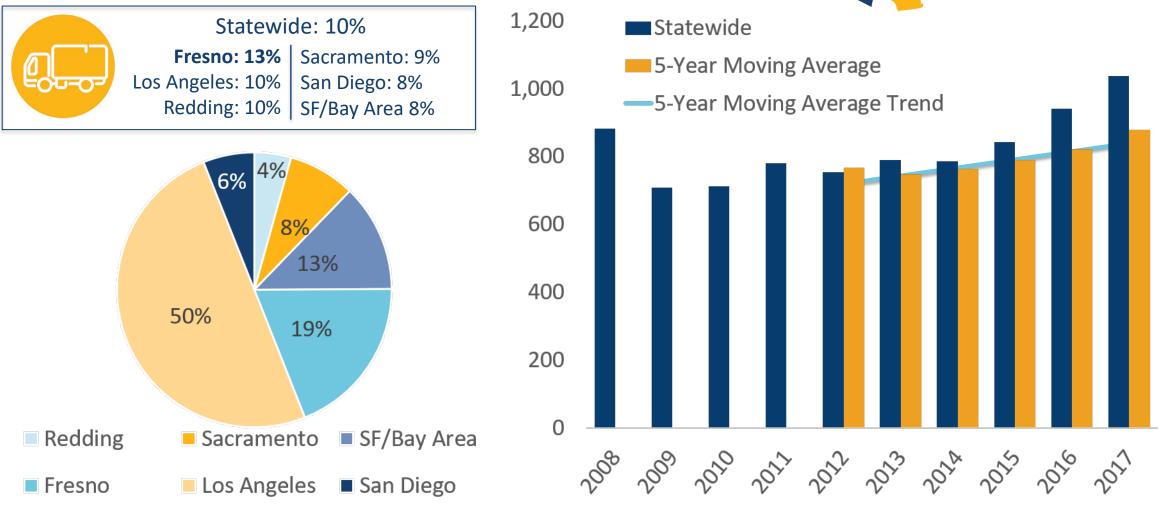






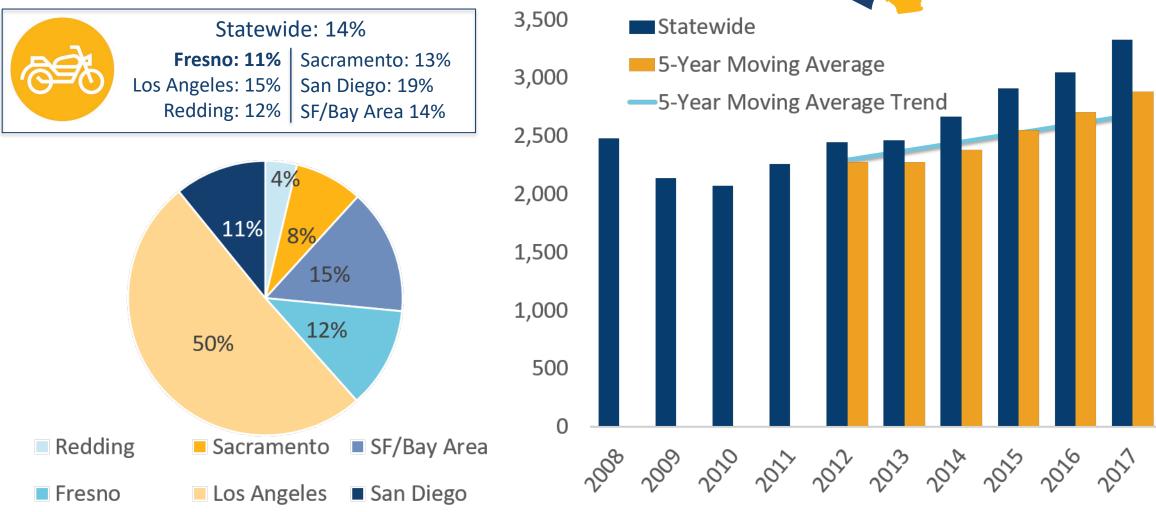
COMMERCIAL VEHICLES





MOTORCYCLES





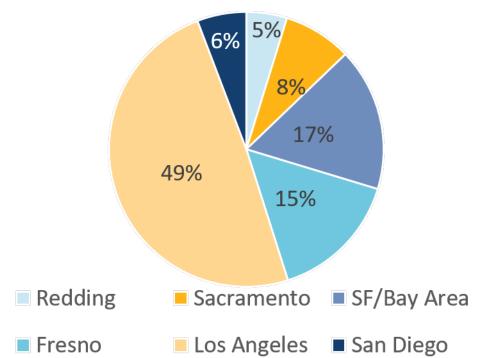
DISTRACTED DRIVING

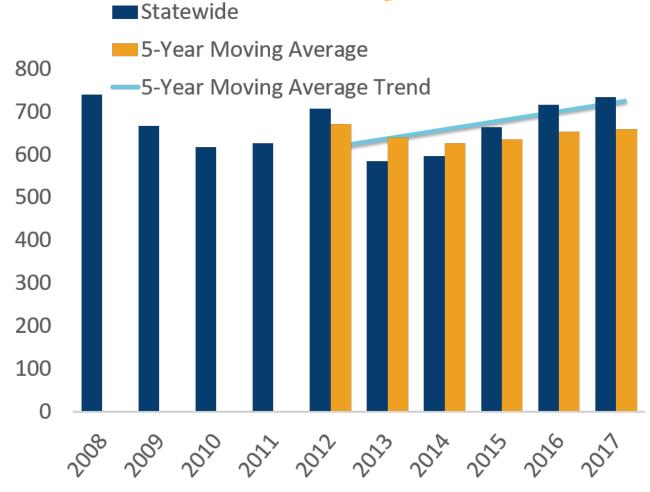




Statewide: 5%

Fresno: 5% | Sacramento: 4% | San Diego: 3% | SF/Bay Area 5% |





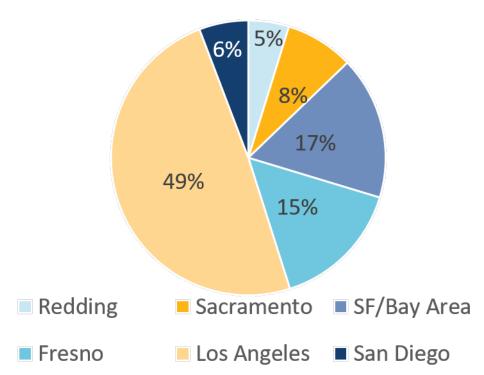
BICYCLING

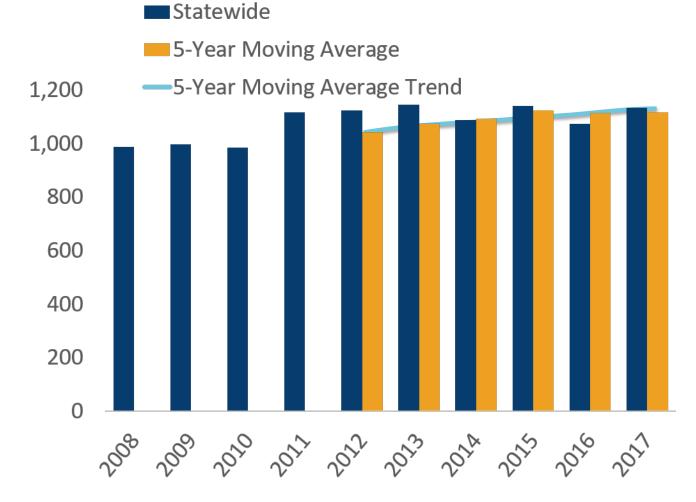




Statewide: 4%

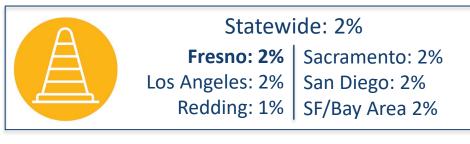
Fresno: 4% | Sacramento: 5% | San Diego: 3% | SF/Bay Area 6%

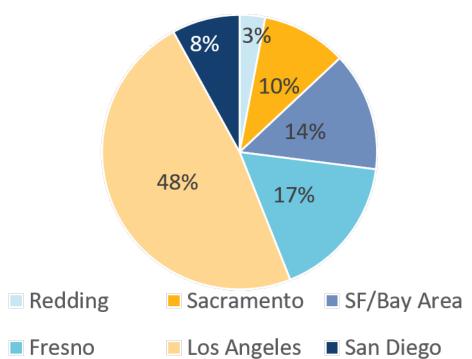


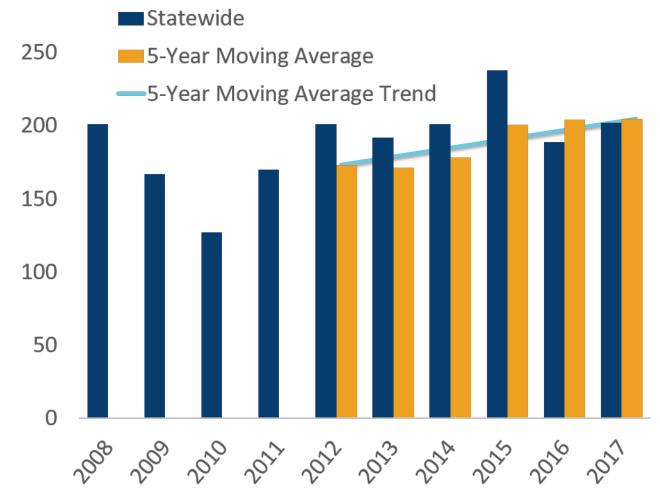


WORK ZONE











SAFETY STRATEGY SESSION



- Open House Format
- Discuss data and strategies with facilitators and attendees at 5 stations
- Fill out comment forms
 - What is the biggest safety issue in your community?
 - What specific data should drive the strategies?
 - What strategies/programs are most effective in your region?
 - What can be done to improve implementation?
 - What other ideas do you have?

SAFETY STRATEGY SESSION



- Handouts
 - Statewide Overview
 - Data specific to each sub category
 - Example strategies

Safety Strategy Session



Stations

Overview

Collision Overview
Vision / Mission / Objective

Drivers & Passengers

- 1. Driver licensing
- 2. Aggressive driving
- 3. Driving under influence
- 4. Distracted driving
- 5. Occupant protection
- 6. Young drivers (<21)
- 7. Aging drivers (>65)
- 8. Commercial vehicle operations

Infrastructure

- 9. Intersections
- 10. Lane/Roadway departures
- 11. Work zones

Vulnerable Users

- 12. Pedestrians
- 13. Bicyclists
- 14. Motorcyclists

Vehicles

15. Equipment

Emergency Response

16. Emergency Response

Infrastructure-Related Collisions are inclusive of a variety of collision types, including pedestrians, bicyclists, motorcycles, roadway, and intersection collisions.



Median and Pedestrian Crossing Islands







Longitudinal Rumbe Stripes





Pedestrian Hybrid Beacon







Median Barriers





Leading Pedestrian Intervals







Tapered Edge

Intersections





Walkways

Road Diet

















Multiple Low-Cost Measures at Stop-Controlled Intersections

Reduce Left-Turn Conflict





Backplates with Retroreflective Borders

Dedicated Left-turn and





Corridor Access Management

Roadside Design

Improvement at Curves

Crosswalk Enhancements













Roundabouts

Right-turn lanes





Enhanced Delineation and Friction for Horizontal Curves









Yellow Change Intervals





Policy

 All offender alcohol ignition interlock law



DWI courts



 Stronger graduated driver licensing laws





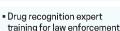
Screening of older drivers



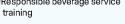


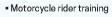


 Employer-based programs targeting workers that are at higher risk of drowsy-driving











Technology

 Automated enforcement for speed and red light running.



Behavior-Related Collisions are inclusive of a variety of collision types, including aggressive driving, alcohol-involved, drug-involved, distracted, young driver, and aging driver collisions.

Education

 Education campaigns about increased enforcement



 Alternative transportation programs



Increased parental involvement



 Mandatory driver education for novice drivers



 Education campaigns for physicians and law enforcement about older driver screening



 Education campaigns targeted to low seat-belt users



School programs



Enforcement



- Publicized sobriety check-

• High visibility enforcement



Saturation patrols

points



 Enforcement of graduated driver licensing and zero tolerance laws



Integrated enforcement













Median and Pedestrian **Crossing Islands**









Pedestrian Hybrid Beacon









Leading Pedestrian Intervals





Walkways





Road Diet







Crosswalk Enhancements





Corridor Access Management







Roadside Design Improvement at Curves







Enhanced Delineation and Friction for Horizontal Curves









Longitudinal Rumbe Stripes





Median Barriers





Tapered Edge





Reduce Left-Turn Conflict Intersections





Multiple Low-Cost Measures at Stop-Controlled Intersections





Backplates with Retroreflective Borders





Dedicated Left-turn and Right-turn lanes





Roundabouts





Yellow Change Intervals





Policy

 All offender alcohol ignition interlock law



DWI courts



Stronger graduated driver licensing laws





Screening of older drivers





Training

- Employer-based programs targeting workers that are at higher risk of drowsy-driving
- Drug recognition expert training for law enforcement
- Responsible beverage service training
- Motorcycle rider training



Technology

 Automated enforcement for speed and red light running.



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CALIFORNIA SAFE ROADS 2020 - 2024 Strategic Highway Safety Plan

Education

Education campaigns about increased enforcement



Alternative transportation programs



Increased parental involvement programs



 Mandatory driver education for novice drivers



 Education campaigns for physicians and law enforcement about older driver screening



 Education campaigns targeted to low seat-belt users



School programs



Enforcement

High visibility enforcement



 Publicized sobriety checkpoints



Saturation patrols



 Enforcement of graduated driver licensing and zero tolerance laws



Integrated enforcement







Safety Strategy Session



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