



# California Strategic Highway Safety Plan Update



Focus Populations  
October 29, 2014



*Creating a*  
**California Culture**  
*of Safety*

# Agenda

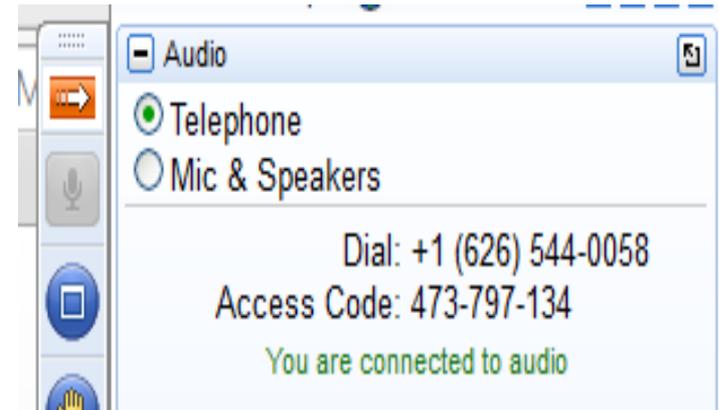
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- » Introductions
- » Webinar logistics
- » SHSP update overview
- » Goals for the webinar
- » Data presentation
- » Input on SHSP strategies

# Webinar Logistics

## » Calling In

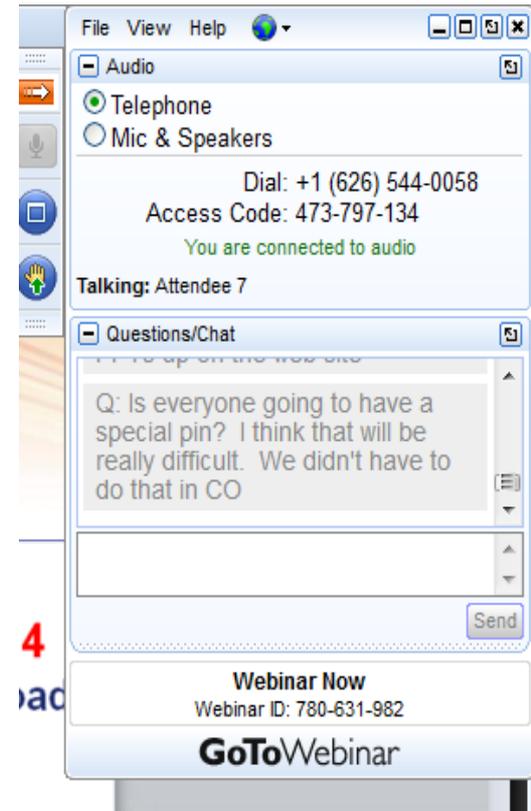
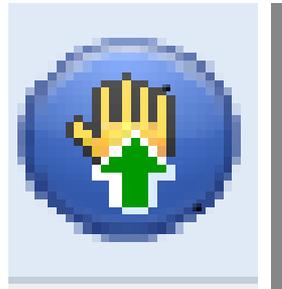
- Webinar dialogue box
- Telephone
- Mic & Speakers
  - *Click on Telephone*
- **Call in number, access code, audio pin#**
  - *Once dialed in, dial #, audio pin and # again*



# Webinar Logistics

## » Offering comments

- Initially will be listen only mode
- Type questions in the chat window
  - We will answer chat questions first
- Raise your hand to ask a question



# Polling Question #1

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- » What type of organization do you represent? (select one)
  - Municipal/County Government
  - Regional Transportation Planning Agency (MPO or RTPA)
  - State Agency
  - Tribal Government
  - Nongovernmental Organization

# SHSP Overview

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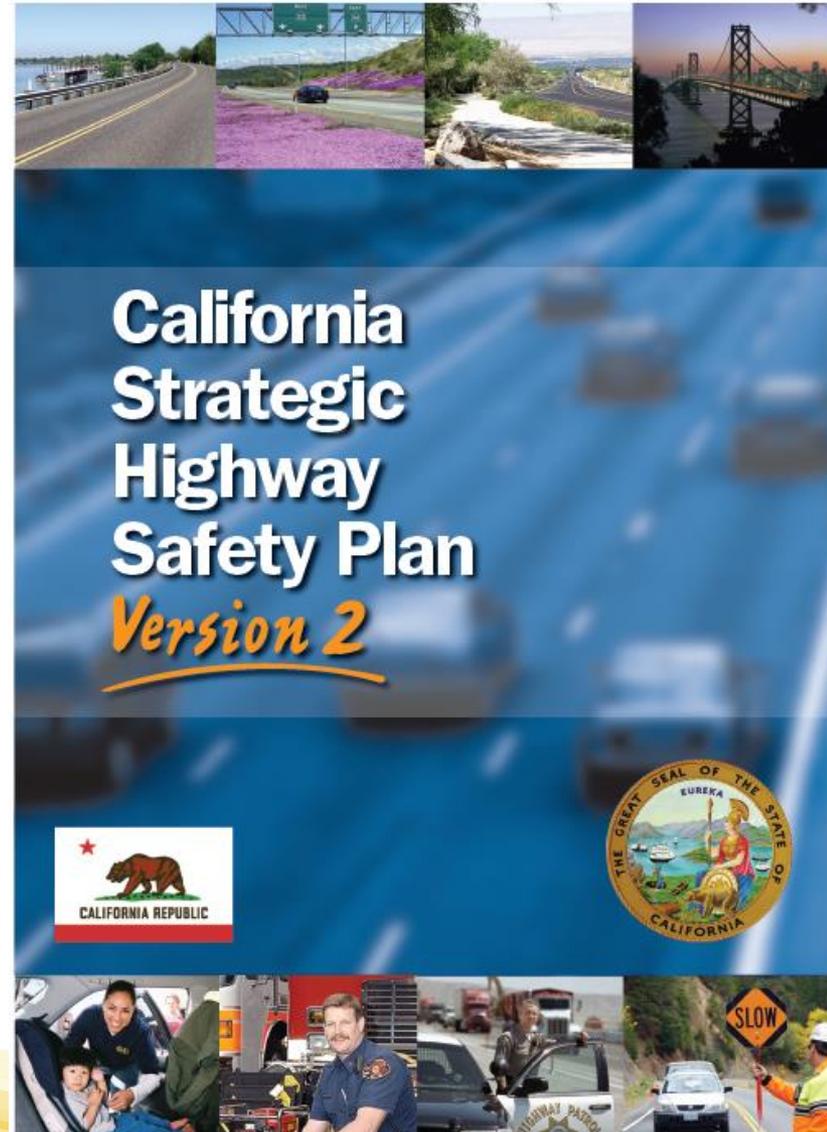
- » Federally required Statewide plan to improve traffic safety on all public roads
- » Comprehensive framework for reducing traffic fatalities and serious injuries
- » Component of Federal Highway Safety Improvement Program (HSIP)
  - Guides state HSIP investment decisions
- » Data-driven
- » Coordinated with other safety plans

# Safety Program Coordination



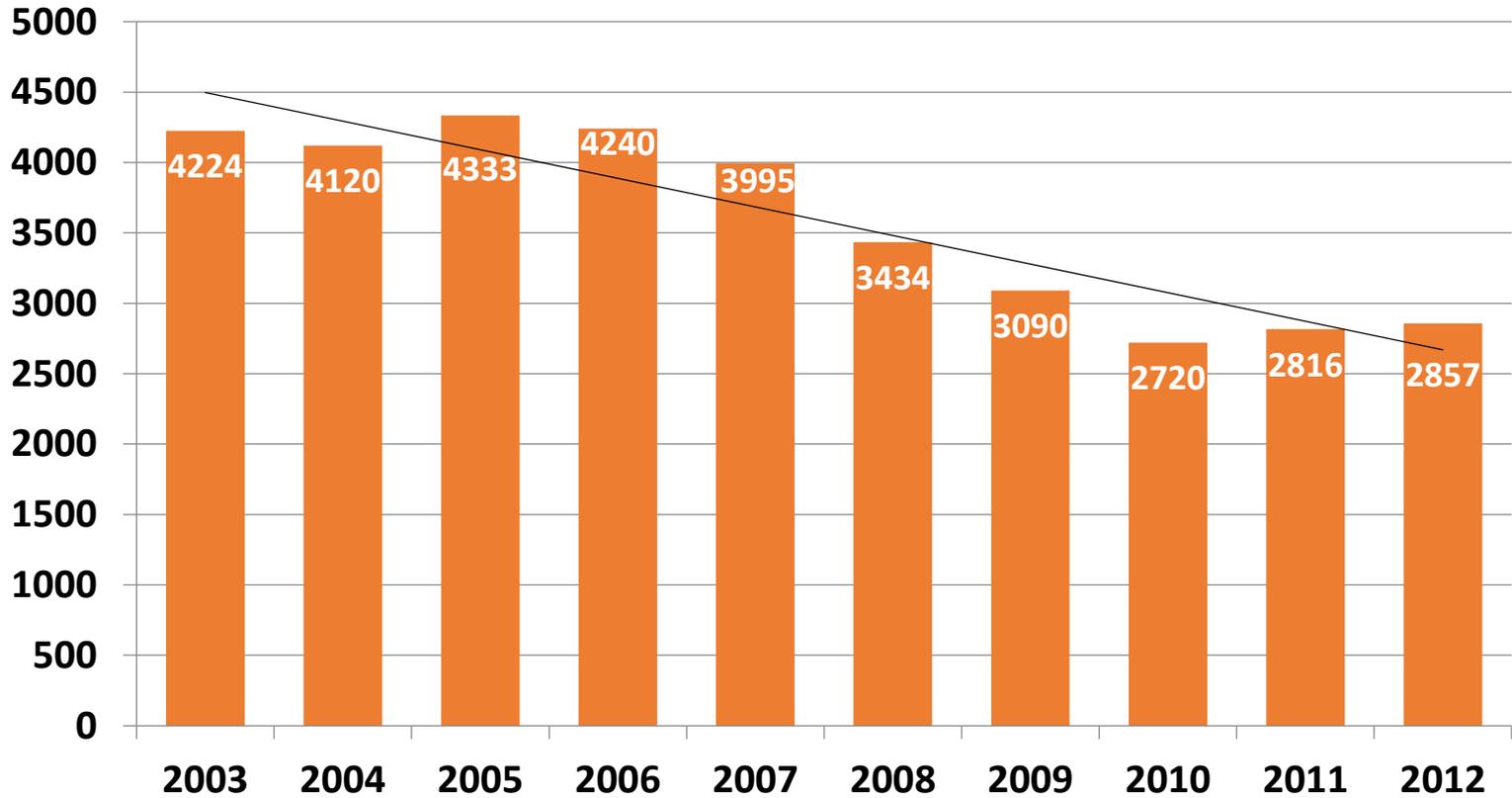
# CA SHSP

- » Developed in 2006
- » Implementation involved a wide range of safety partners



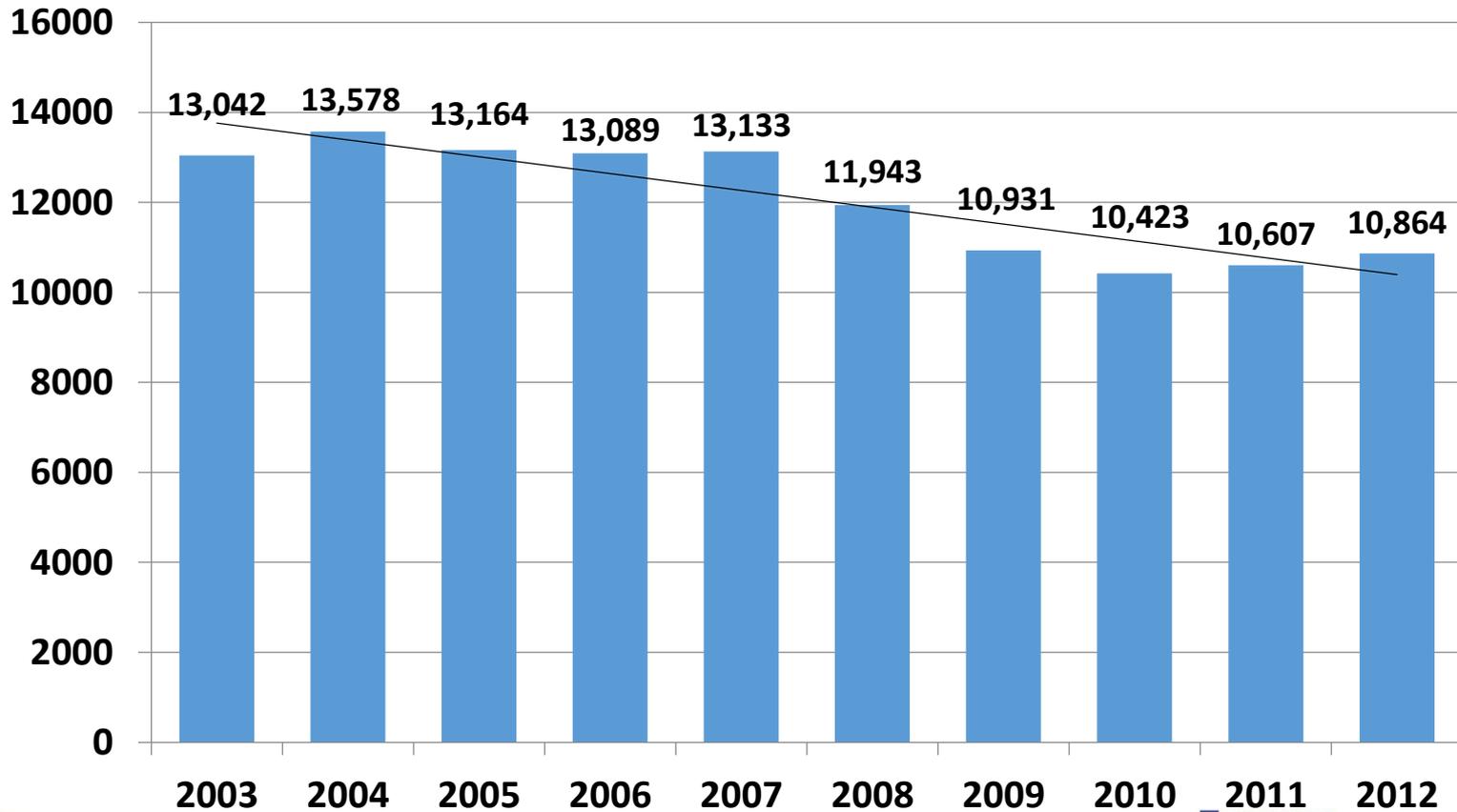
# California Fatality Trend

Annual Fatalities, 2003-2012



# California Severe Injury Trend

Annual Severe Injuries, 2003-2012



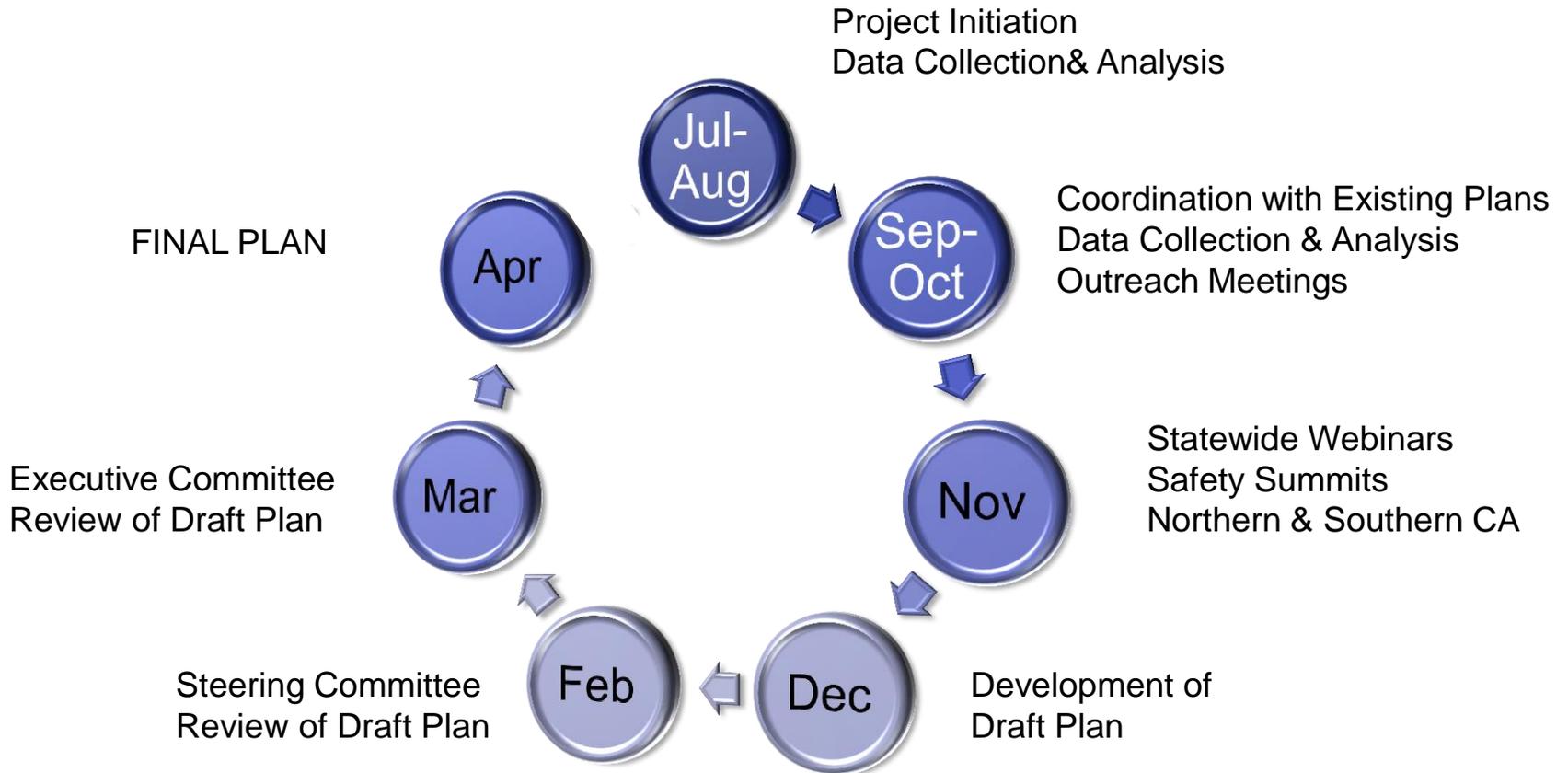
# Polling Question #2

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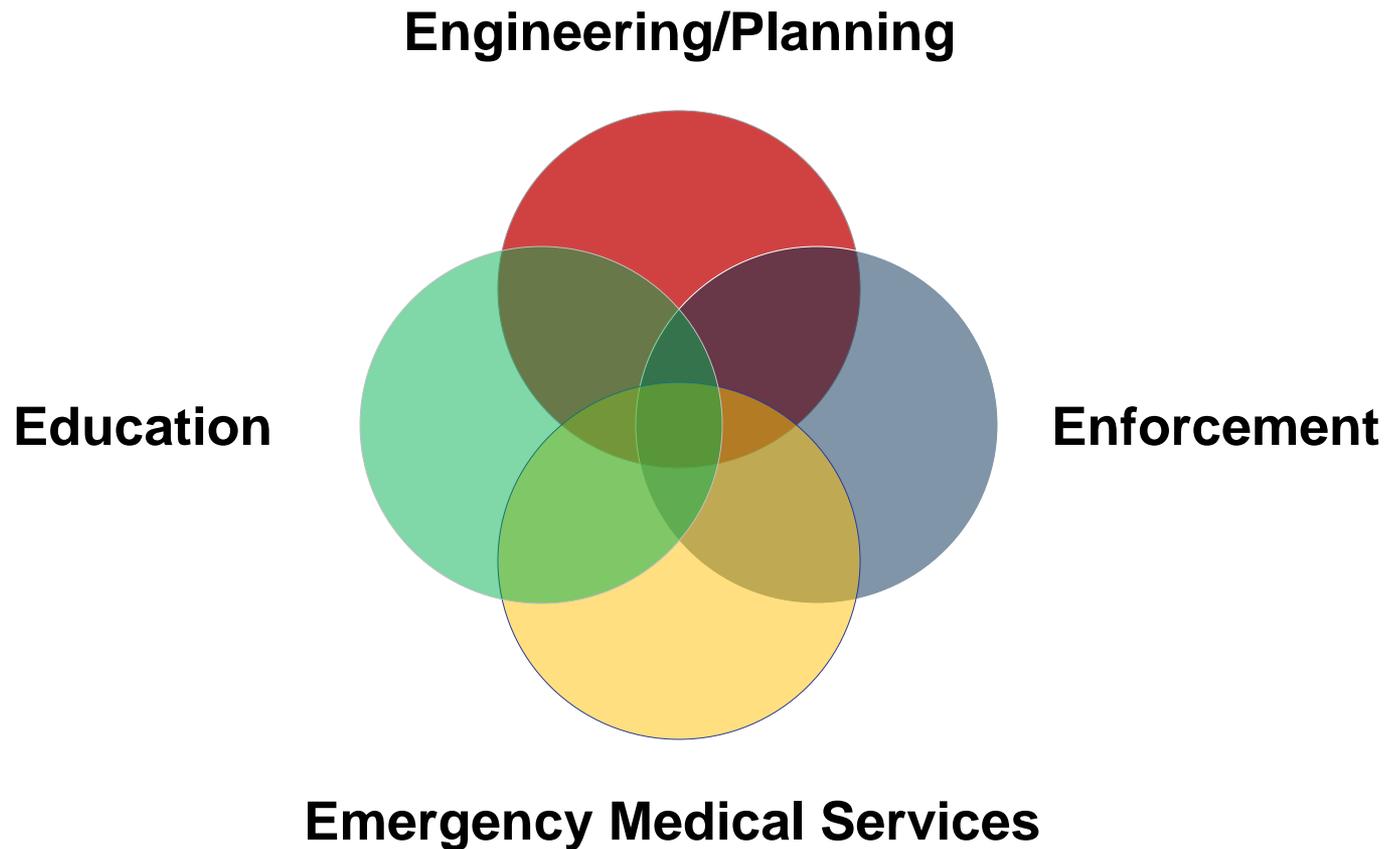
Have you been involved in the SHSP Previously?

- » Yes, heavily involved
- » Yes, somewhat involved
- » No
- » I don't know

# SHSP Update Process Schedule



# The 4E's of Safety



# Polling Question #3

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- » What is your organization's primary focus or interest?  
(select one)
- Emergency Response
  - Engineering/Planning
  - Education
  - Enforcement
  - Other

# Challenge Areas

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- » Reduce Impaired Driving
- » Reduce Leaving the Roadway and Head-on Collisions
- » Ensure Drivers are Licensed and Competent
- » Increase Use of Safety Belts and Child Safety Seats
- » Reduce Young Driver Fatalities
- » Improve Commercial Vehicle Safety
- » Improve Motorcycle Safety
- » Improve Bicycling Safety
- » Improve Roadway Access, Conflicts, and Movements
- » Make Walking and Street Crossing Safer
- » Improve Safety for Older Roadway Users
- » Reduce Speeding and Aggressive Driving
- » Enhance Work Zone Safety
- » Improve Post Crash Survivability
- » Reduce Distracted Driving

# Elements of Strategic Planning

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- » **Vision** – The inspiration and framework for the plan
- » **Mission** – A formal, short, written statement on the purpose
- » **Goal** – The reason for the plan
- » **Objectives** – The change that will be accomplished
- » **Performance Measures** – How to determine whether the change takes place
- » **Strategies** – How the objective will be achieved
- » **Action Plans** – The steps to implement the strategy

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# Goals for the Webinar

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- » Review data to understand nature and extent of the problem
  - Identify traffic safety problems in your community
- » Provide input on what should be included in the updated plan to address defined safety problems
  - Determine strategies to reduce the number of fatalities and severe injuries on California roadways.

# Strategy/Action Step Example

Reduce the likelihood of vehicles leaving the travel lane(s) at high crash and risk locations by improving the roadway, the roadside, and traffic control devices.

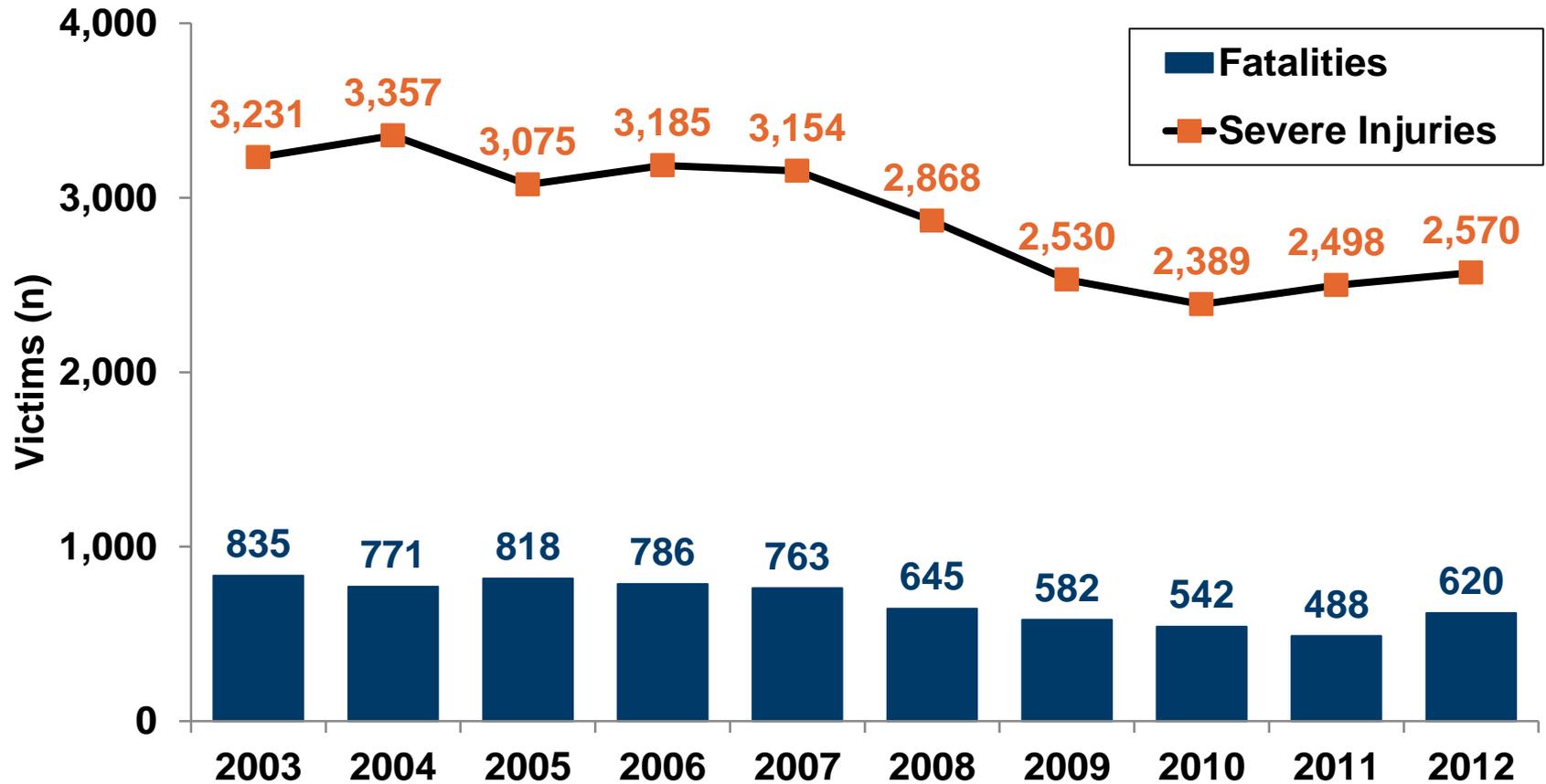
*Expand installation and maintenance of centerline, edge line, and shoulder rumble strips.*

*Upgrade and improve shoulders where possible, maintain shoulders to reduce debris and edge drop-offs, and use beveled pavement edges, particularly on higher speed roadways.*

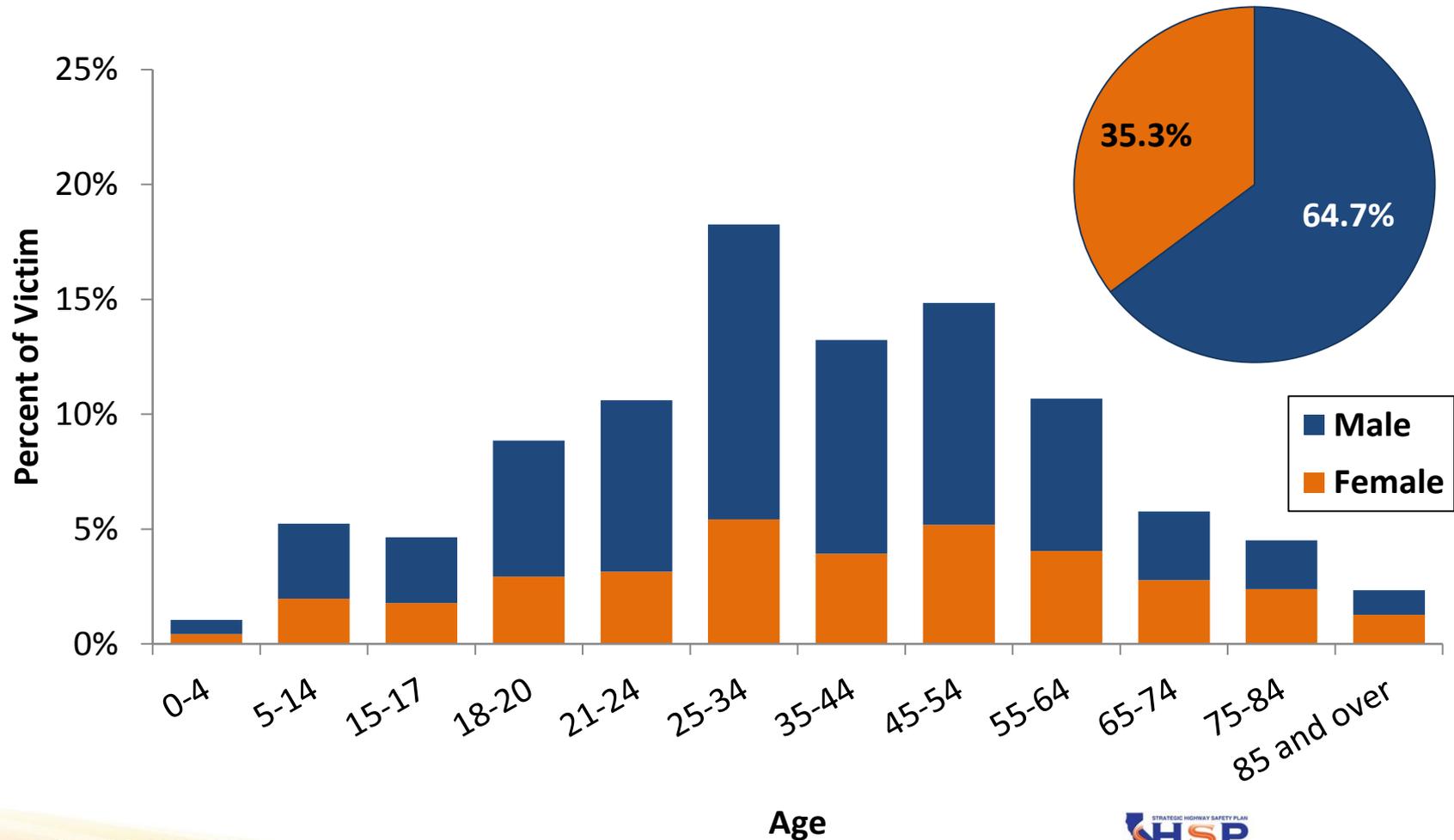
# Infrastructure & Operations Definition

- » **Roadway Departure**
  - Leaving the travel lane
  - Head-on collisions
  
- » **Intersections/Interchanges**
  - Roadway access
  - Conflicts
  - Movements
  - Decision making on rights of way
  
- » **Work Zones**
  - Areas identified by state and local transportation agencies for roadway improvements

# Intersections & Interchanges: Fatal and Severe Injury Trends

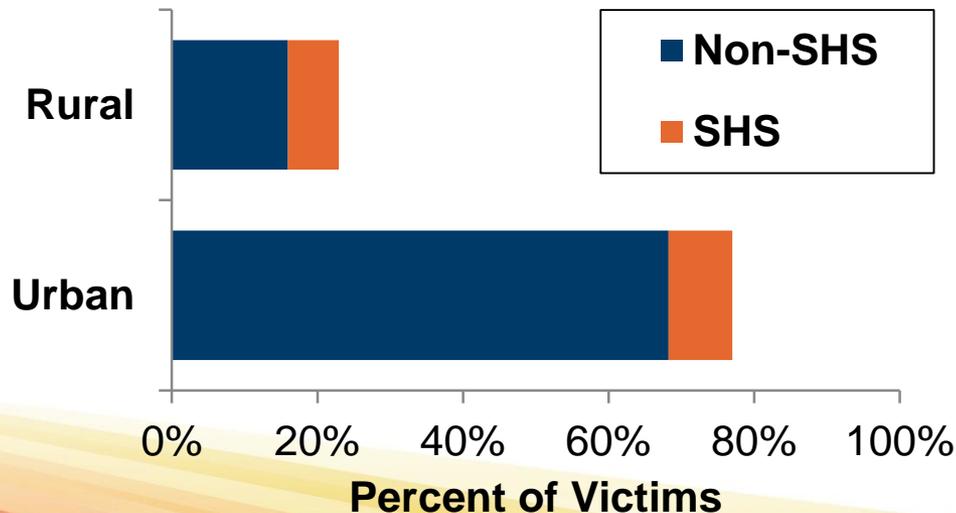
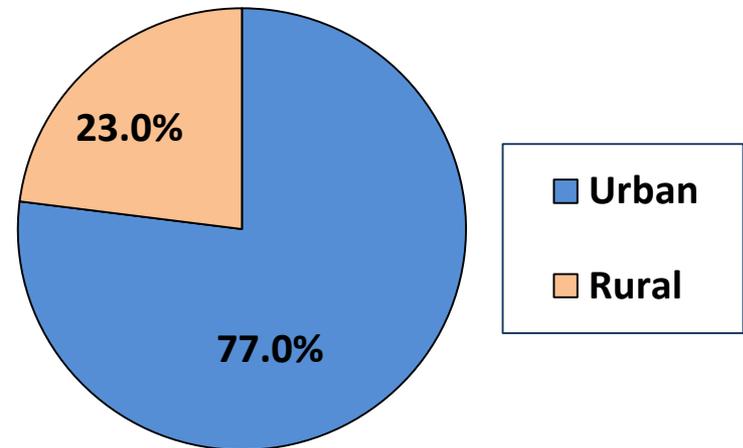
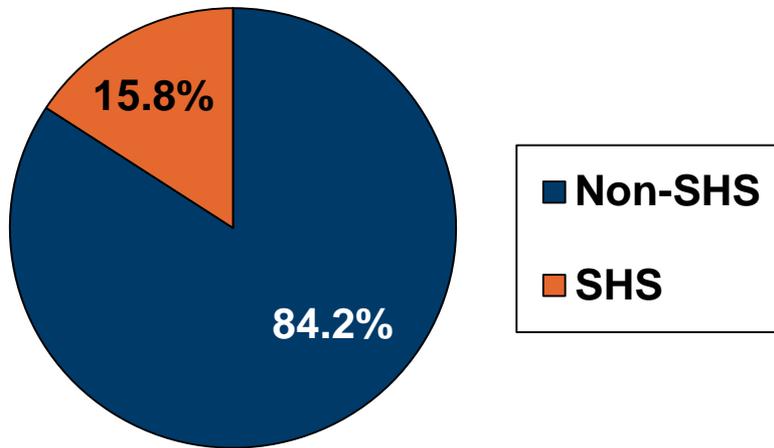


# Intersections & Interchanges: Fatal & Severe Injury By Gender and Age

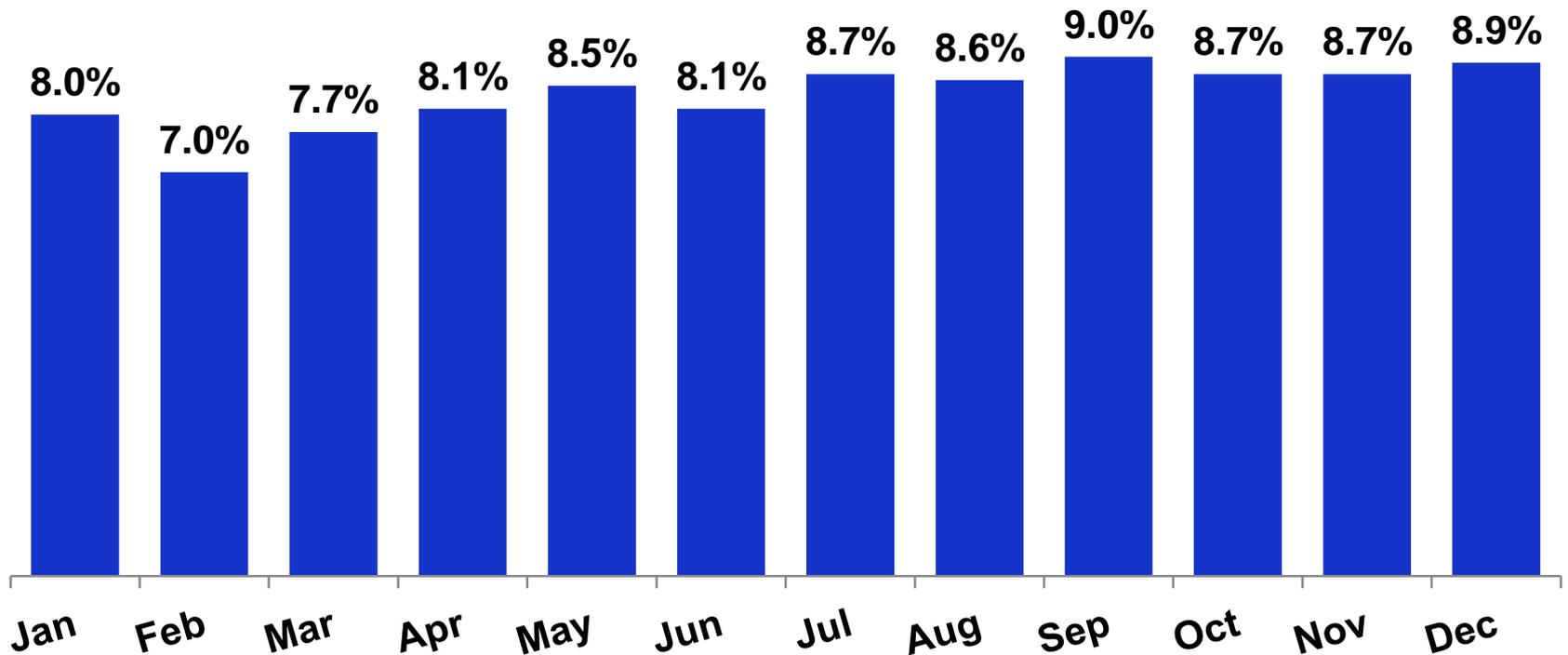


Source: SWITRS, 2010-2012

# Intersections & Interchanges: Fatal & Severe Injury By Location



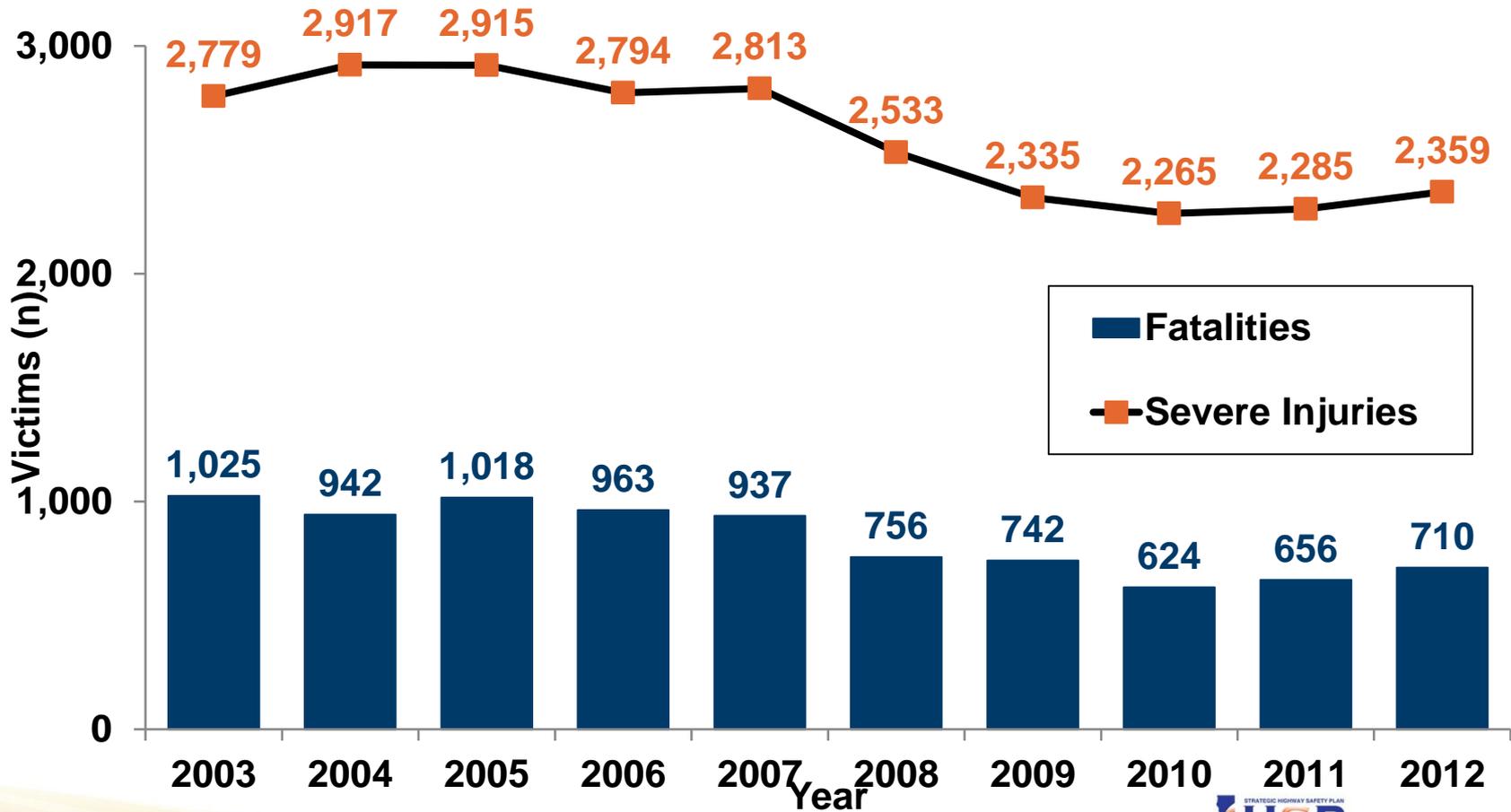
# Intersections & Interchanges: Fatal & Severe Injury By Month



# Intersections & Interchanges: Fatal & Severe Injury By Time of Day and Day of Week

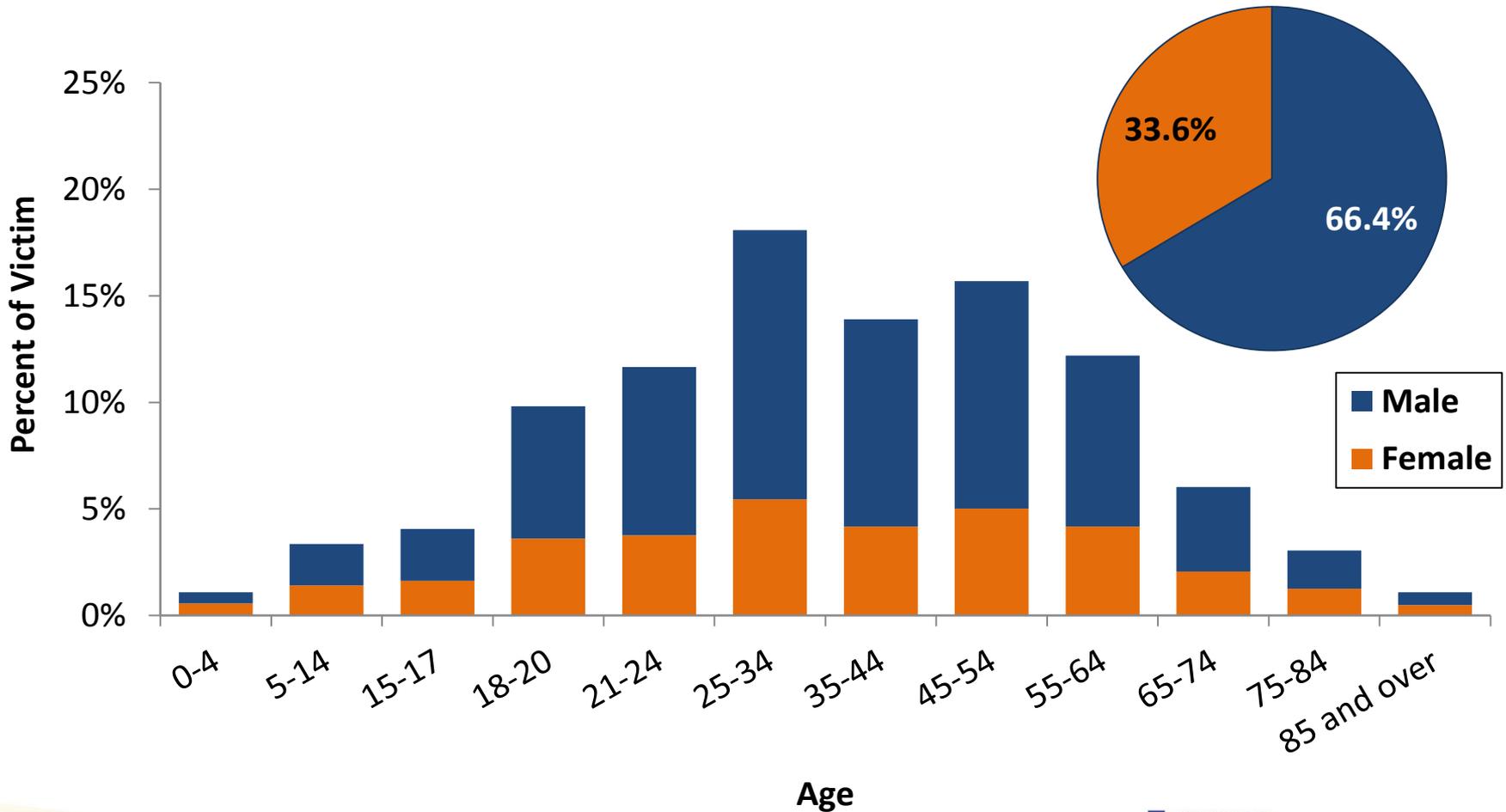
Time of Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Midnight-3AM	51	49	51	65	83	178	223
3-6AM	51	40	41	54	65	75	60
6-9AM	144	177	171	150	151	114	61
9AM-Noon	128	163	125	138	142	188	139
Noon-3PM	188	187	163	183	224	156	172
3-6PM	268	269	278	262	300	264	234
6-9PM	209	236	226	261	278	273	263
9PM-Midnight	124	120	120	128	235	230	179

# Right of Way & Turning: Fatal and Severe Injury Trends



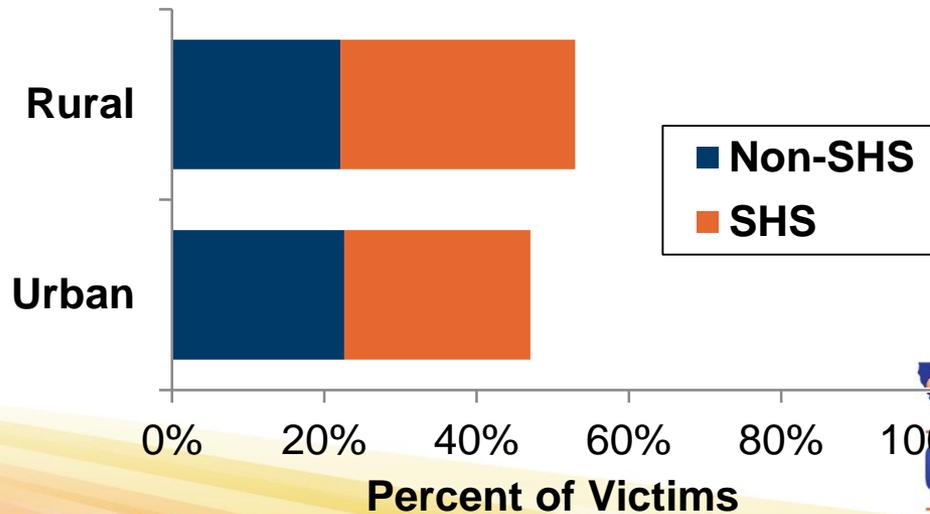
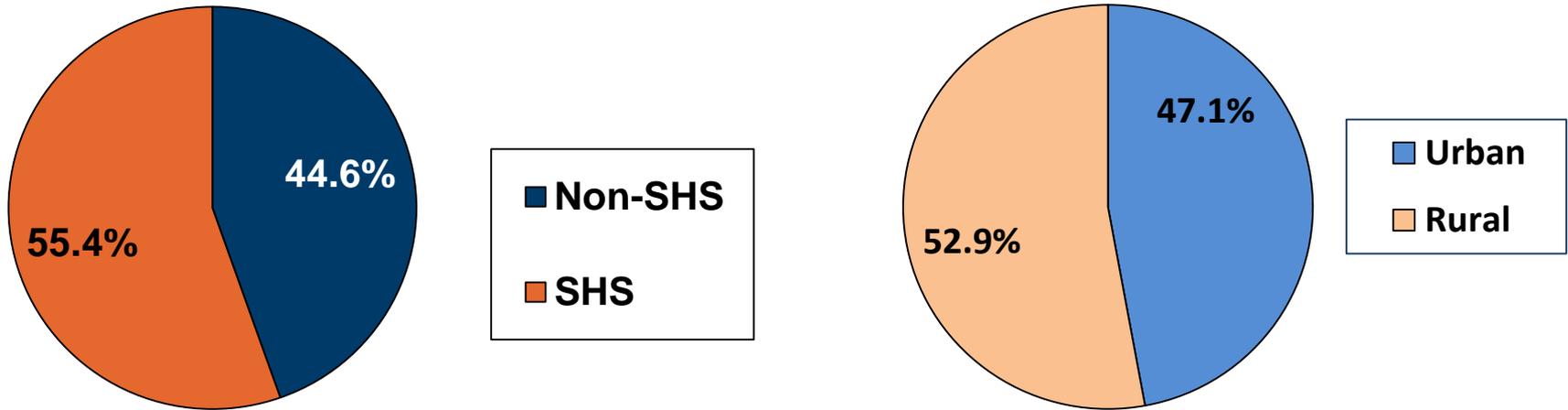
Source: SWITRS, 2003-2012

# Right of Way & Turning: Fatal & Severe Injury By Gender and Age

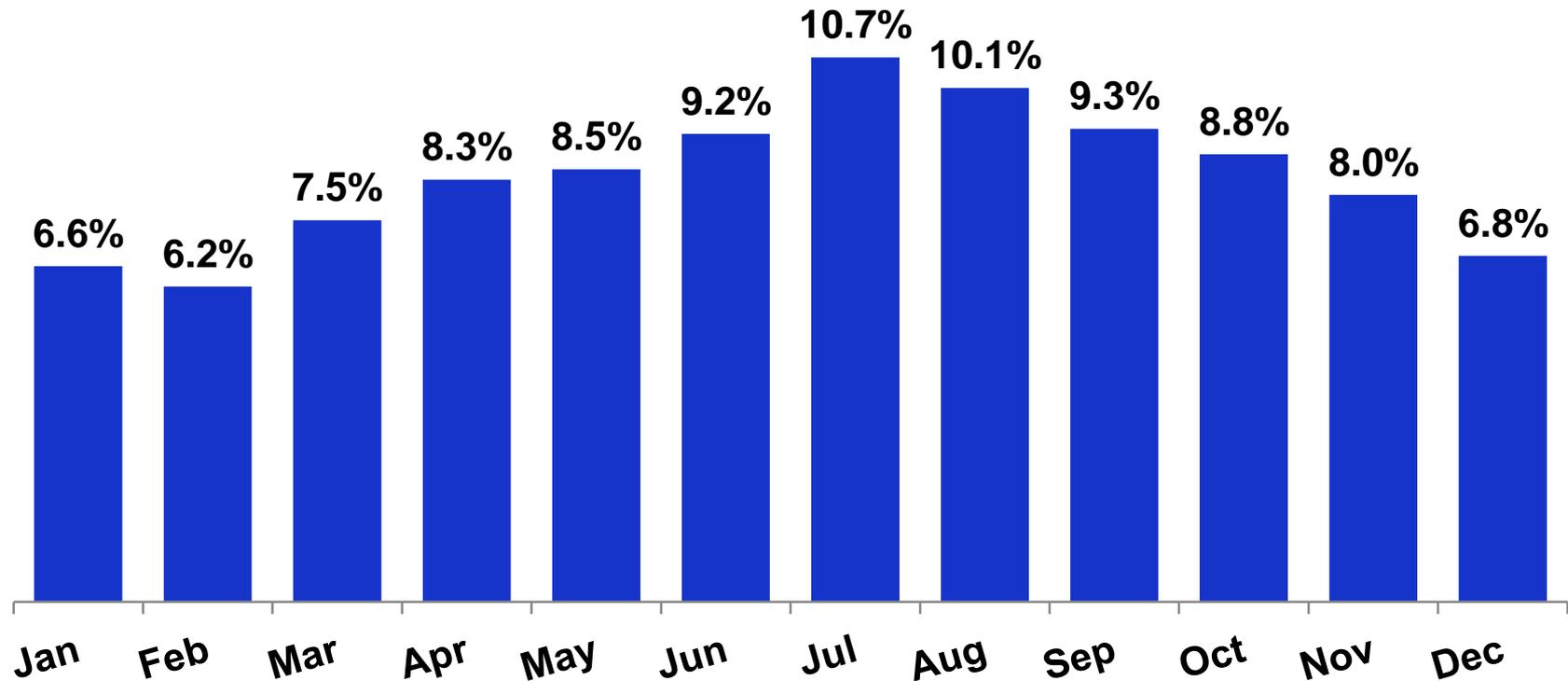


Source: SWITRS, 2010-2012

# Right of Way & Turning: Fatal & Severe Injury By Location



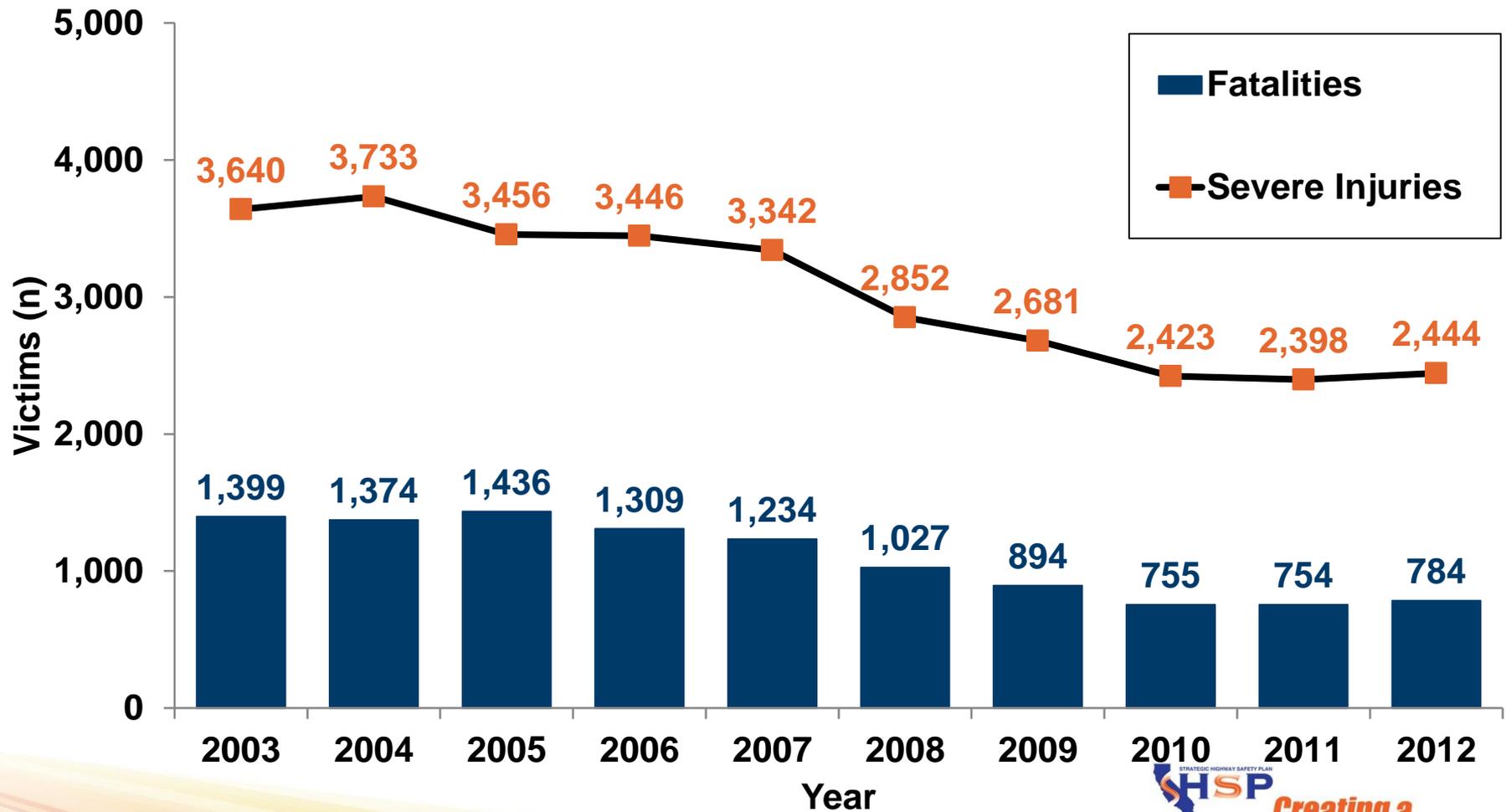
# Right of Way & Turning: Fatal & Severe Injury By Month



# Right of Way & Turning: Fatal & Severe Injury By Time of Day and Day of Week

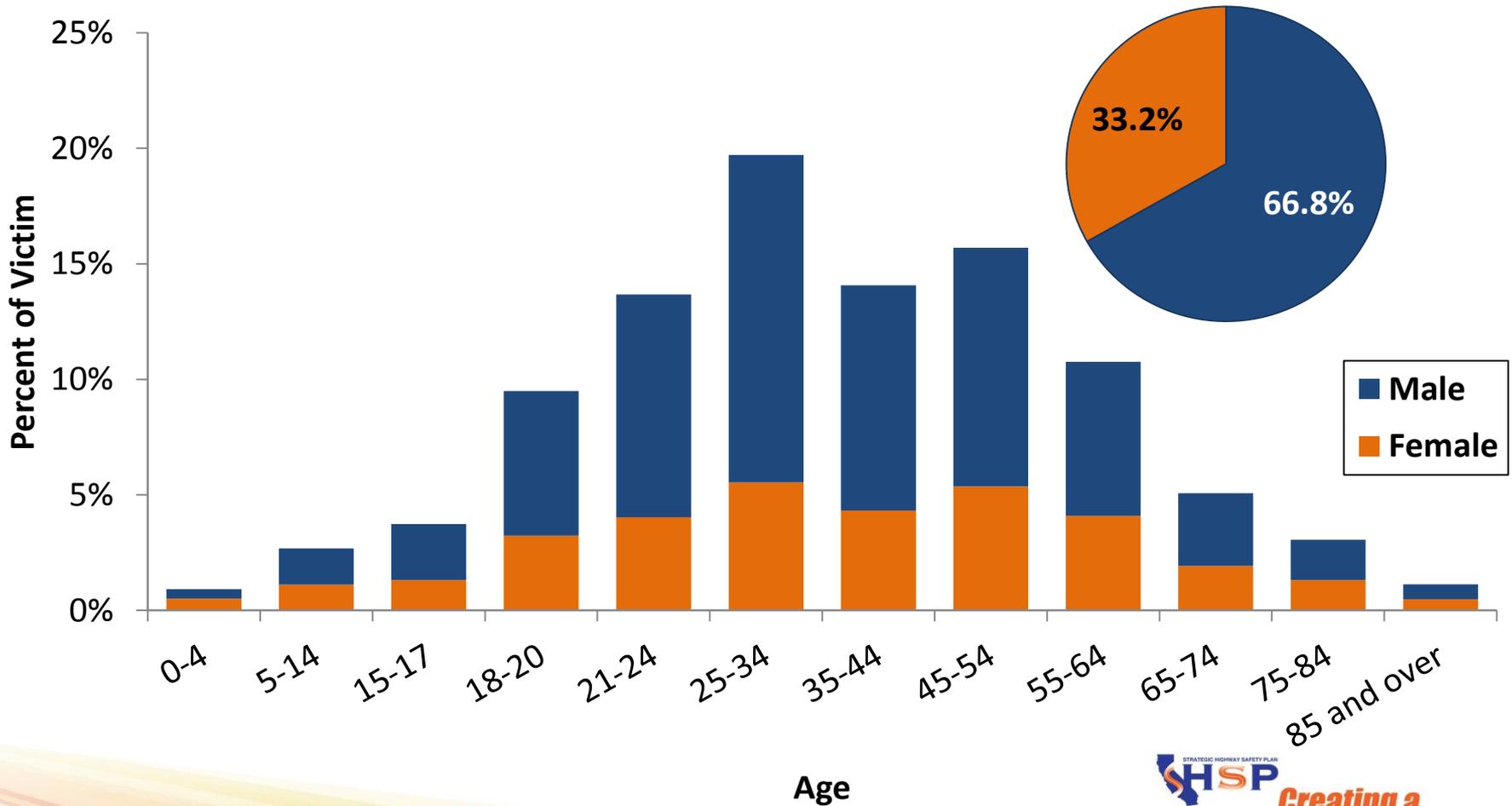
Time of Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Midnight-3AM	85	88	72	67	86	193	217
3-6AM	78	65	77	80	93	137	132
6-9AM	140	146	125	165	158	157	115
9AM-Noon	157	116	140	131	149	210	199
Noon-3PM	185	168	201	202	245	266	276
3-6PM	240	215	222	221	270	245	281
6-9PM	151	158	153	150	191	170	214
9PM-Midnight	103	111	91	130	178	157	127

# Leaving the Road & Head-On: Fatal and Severe Injury Trends



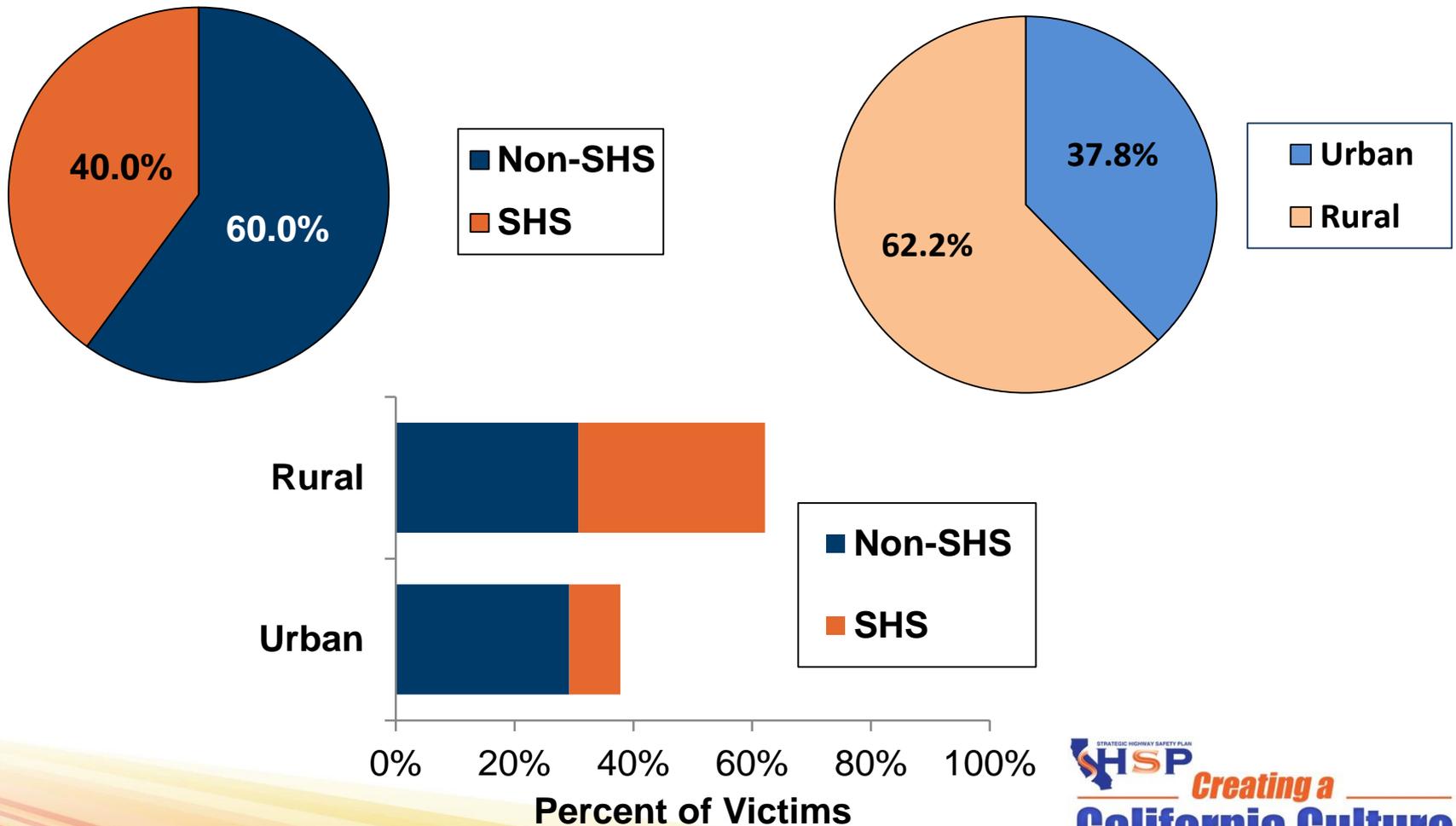
Source: SWITRS, 2003-2012

# Leaving the Road & Head-On: Fatal & Severe Injury By Gender and Age



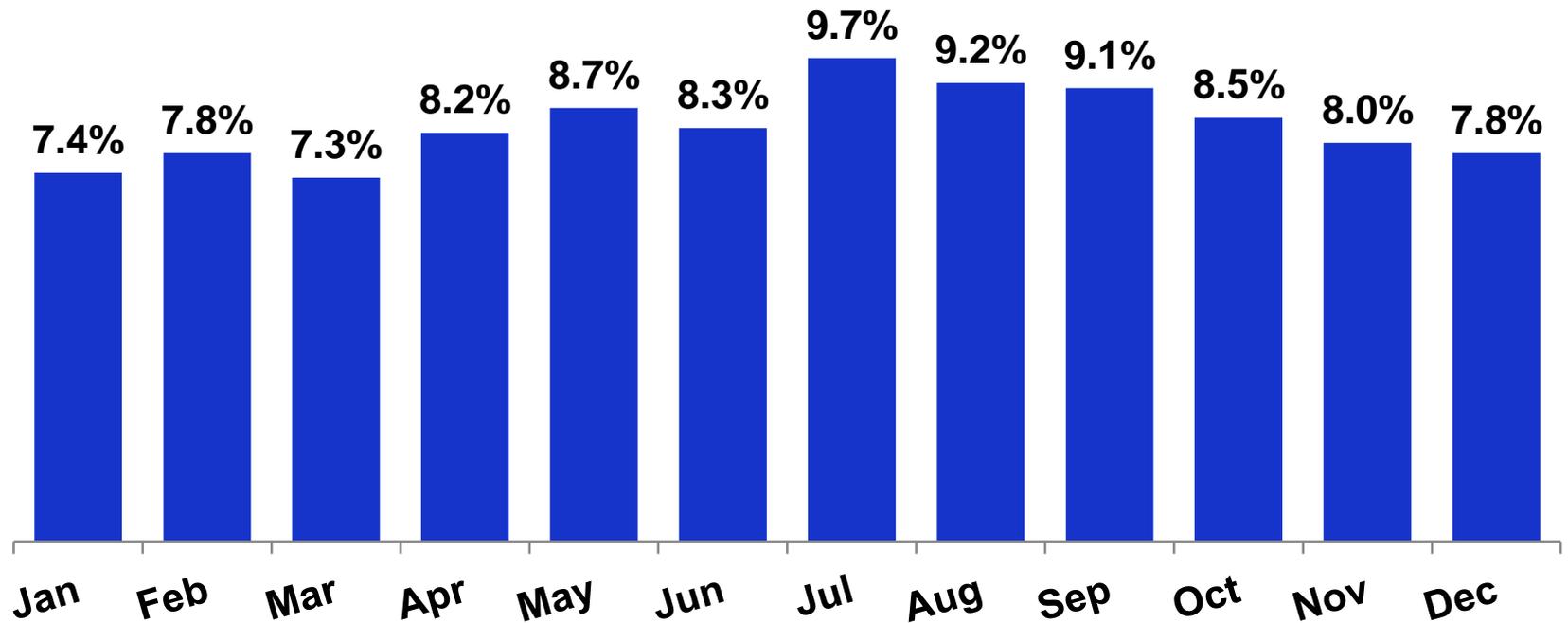
Source: SWITRS, 2010-2012

# Leaving the Road & Head-On: Fatal & Severe Injury By Location



Source: SWITRS, 2010-2012

# Leaving the Road & Head-On: Fatal & Severe Injury By Month

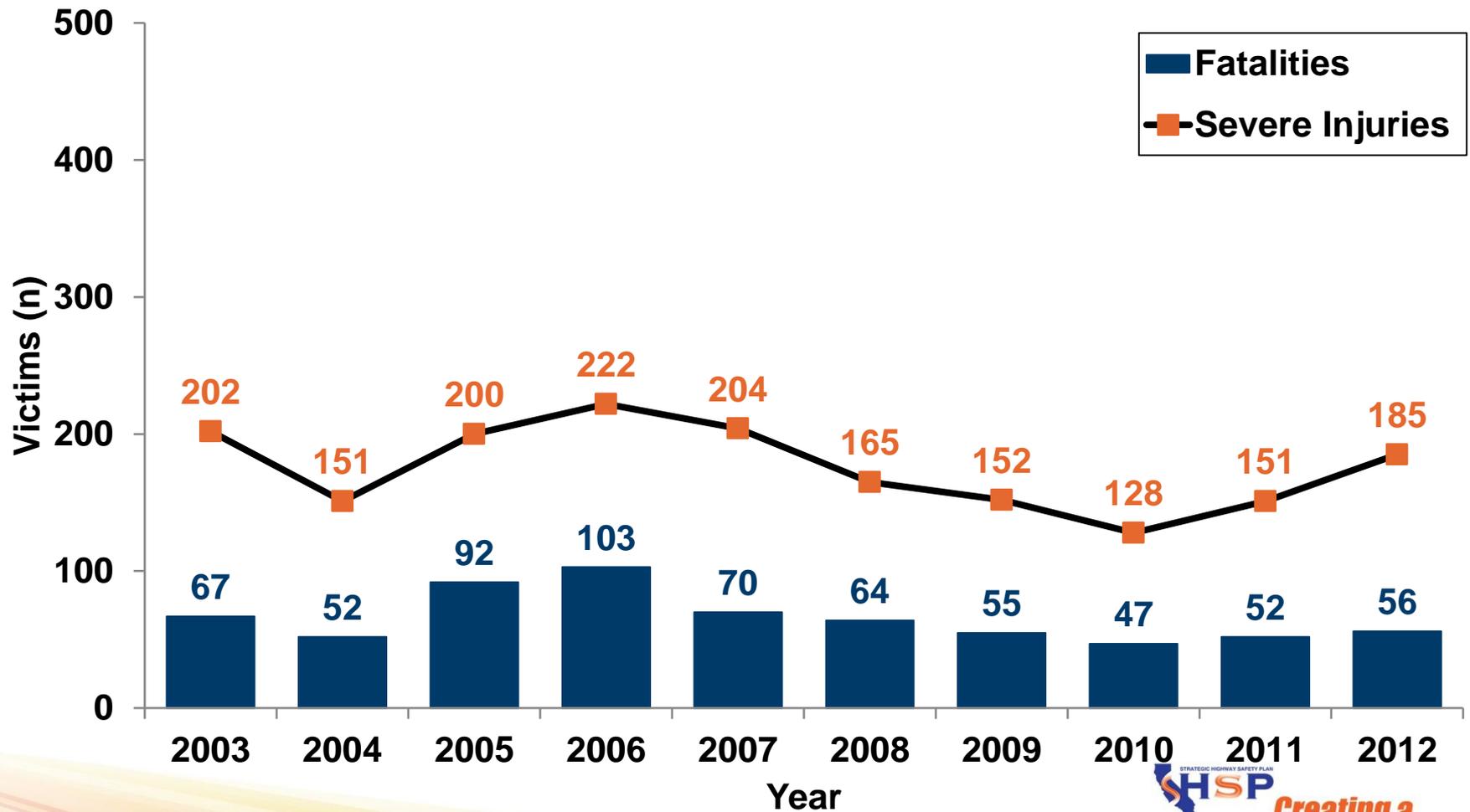


Source: SWITRS, 2010-2012

# Leaving the Road & Head-On: Fatal & Severe Injury By Time of Day and Day of Week

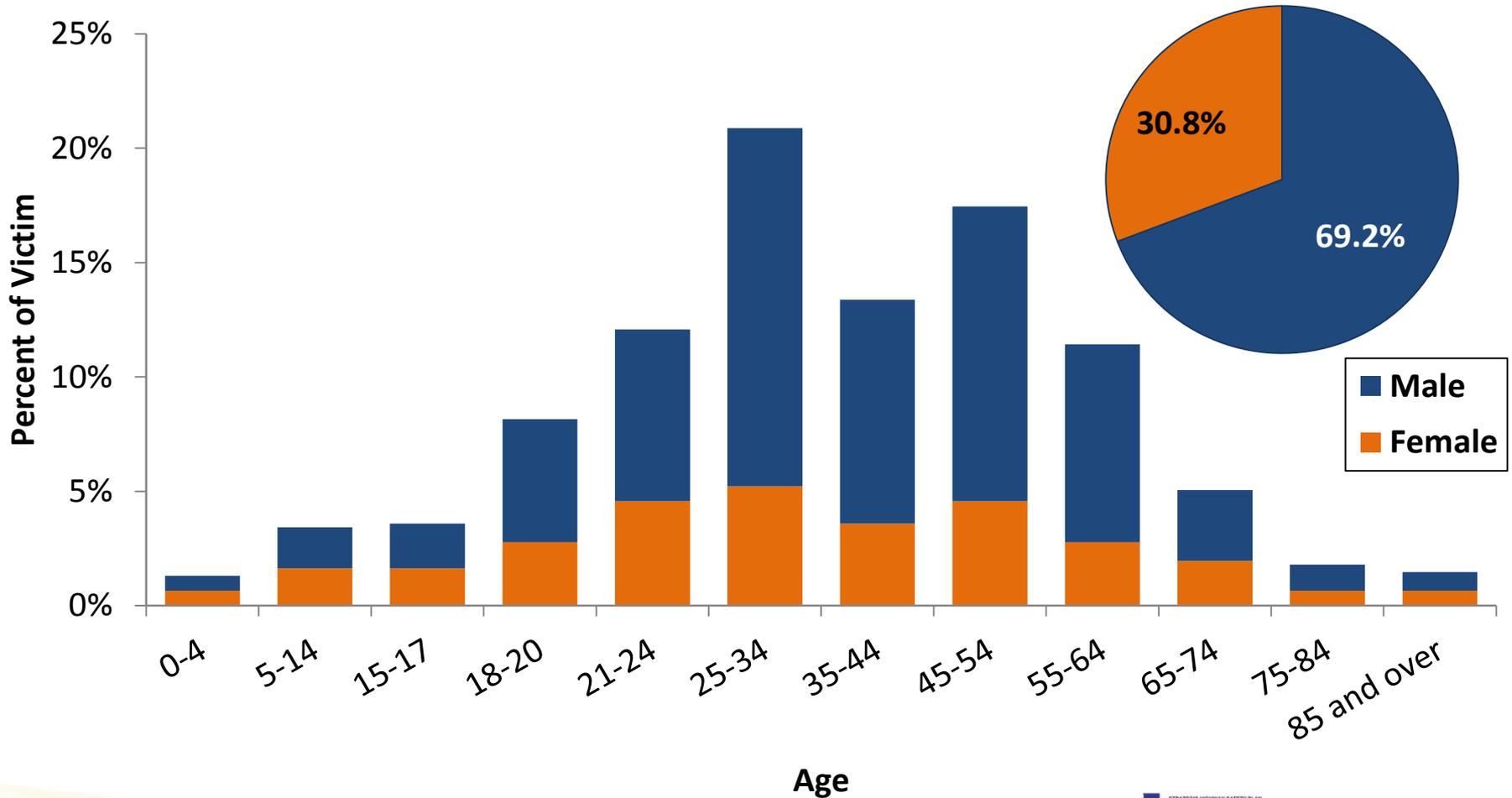
Time of Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Midnight-3AM	122	99	125	139	178	312	325
3-6AM	92	66	63	82	96	196	190
6-9AM	121	102	105	135	137	146	107
9AM-Noon	113	117	106	126	137	154	157
Noon-3PM	168	159	226	153	219	199	247
3-6PM	238	256	199	187	229	249	317
6-9PM	169	175	188	172	209	232	269
9PM-Midnight	138	139	124	160	225	271	193

# Work Zone: Fatal and Severe Injury Trends



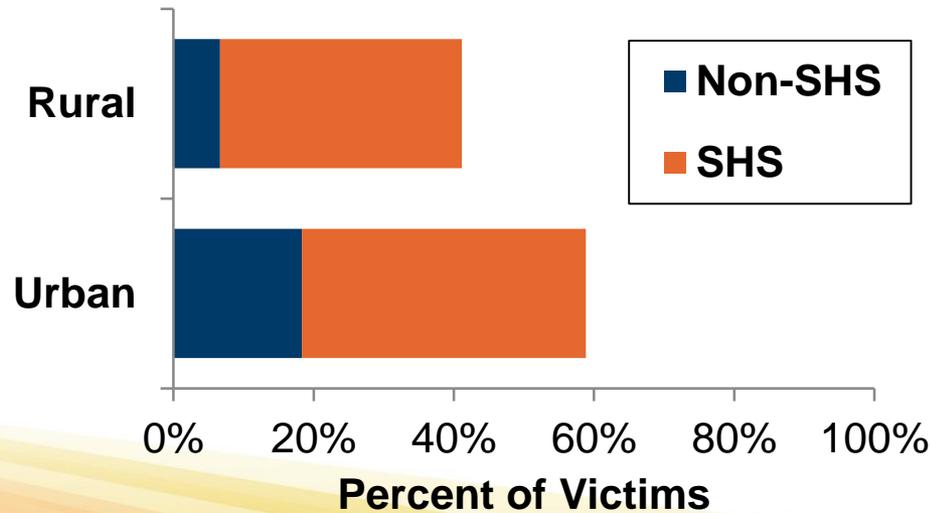
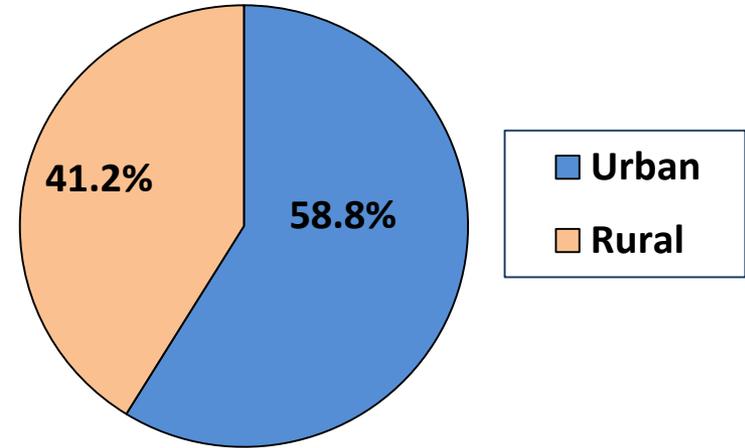
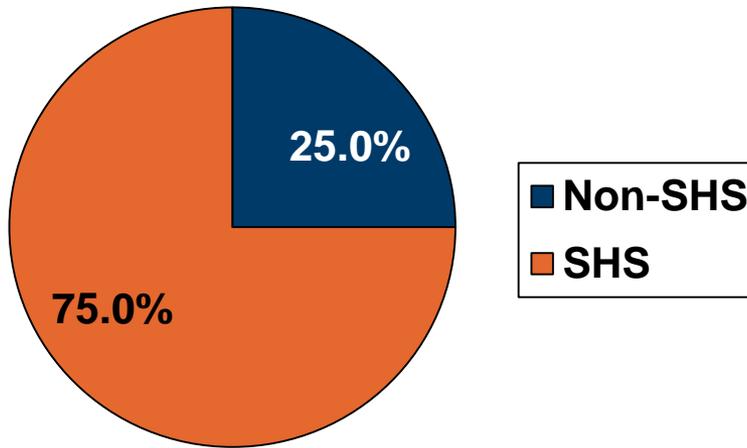
Source: SWITRS, 2003-2012

# Work Zone: Fatal & Severe Injury By Gender and Age

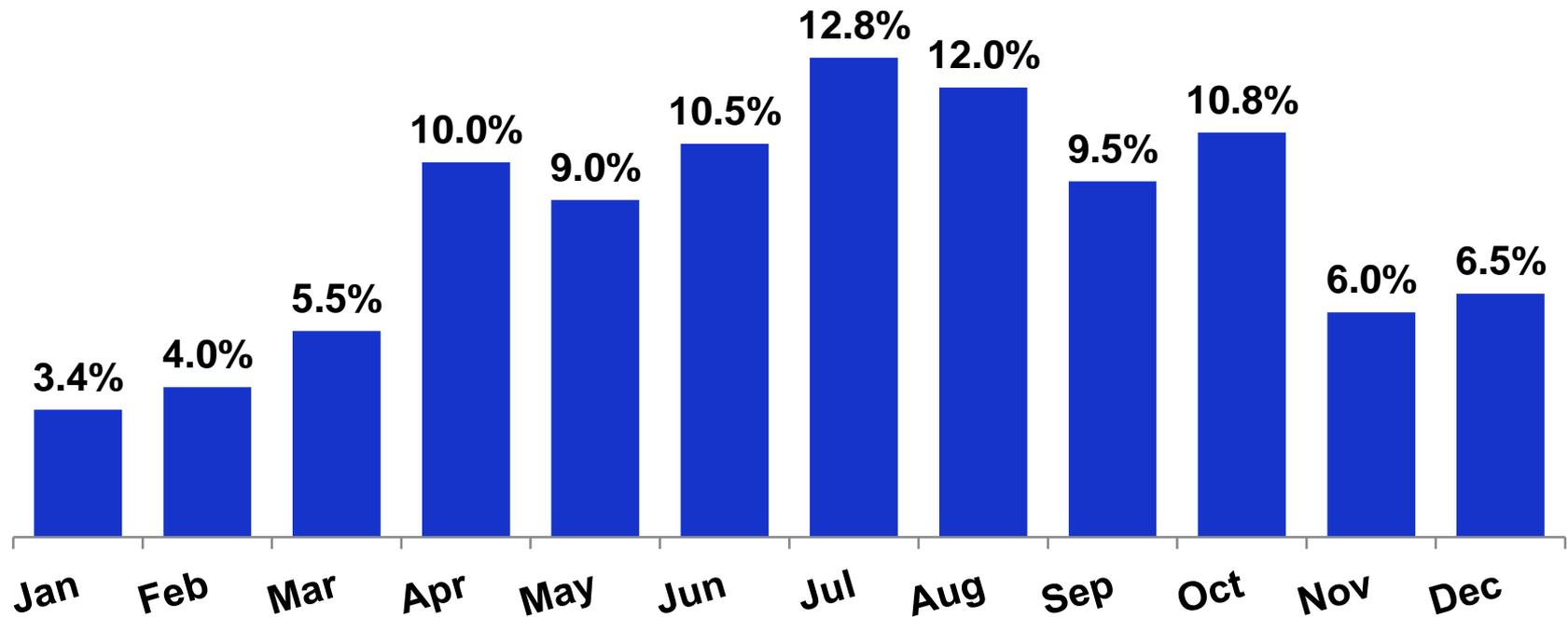


Source: SWITRS, 2010-2012

# Work Zone: Fatal & Severe Injury By Location



# Work Zone: Fatal & Severe Injury By Month



# Work Zone: Fatal & Severe Injury By Time of Day and Day of Week

Time of Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Midnight-3AM	6	7	18	17	15	24	16
3-6AM	3	6	3	4	19	12	12
6-9AM	8	8	13	6	8	8	10
9AM-Noon	21	15	13	8	11	7	9
Noon-3PM	11	19	15	14	13	20	6
3-6PM	6	8	12	7	8	6	10
6-9PM	6	13	13	2	9	2	8
9PM-Midnight	7	9	17	19	14	18	20

# Participant Input

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- » What safety issues are you facing in your community regarding roadway departures, intersections, or work zones?
- » What ideas are working in your area to improve safety in these areas?
- » What can make a difference in increasing safety in these areas?
- » What barriers exist to successfully addressing safety problems?
- » What suggestions do you have for the SHSP Leadership to address these areas?

# Webinar Schedule

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## » October 28, 2014

- Tribal Safety
- Focus Populations (young drivers, older drivers, commercial drivers, motorcyclists)

## » October 29, 2014

- Driver Behavior (impaired driving, seat belts, speeding, distracted driving)
- Infrastructure & Operations (roadway departures, intersections, work zones)

## » October 30, 2014

- Vulnerable Road Users (pedestrians, bicyclists)
- Emergency Medical Services (EMS)

# Safety Summits

- » **Southern California**
  - November 12, 2014
  - 8:00 am to 1:00 pm
  - Cal State - Los Angeles,  
Golden Eagle Student Union
- » **Northern California**
  - November 14, 2014
  - 8:00 am to 1:00 pm
  - Cal State - Sacramento,  
University Union



Register at:

<http://www.dot.ca.gov/hq/traffops/shsp>

**DEADLINE TO REGISTER:**

**NOVEMBER 5, 2014**

STRATEGIC HIGHWAY SAFETY PLAN  
**SHSP** *Creating a* \_\_\_\_\_  
**California Culture**  
*of Safety*

# Next Steps

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» Visit the SHSP Website at

<http://www.dot.ca.gov/hq/traffops/shsp/>

- Provide comments on the SHSP Update
- Sign up to participate in the Summits
- Sign up to participate on Challenge Area teams

**For more information, contact:  
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Caltrans  
916-654-6101  
[Ursula.stuter@dot.ca.gov](mailto:Ursula.stuter@dot.ca.gov)**