

# Lee-Russell Safety Coalition

## *Regional Safety Action Plan*

### *Kick-off Meeting*



*presented to*

**Alabama Department  
of Transportation**

*presented by*

**Cambridge Systematics, Inc.  
The University of Alabama**



March 1, 2016

# Agenda

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- **Welcome and Introductions**
- **Project Purpose & Need**
- **Overview: AL SHSP Update & Regional Safety Action Plan Development Process**
- **Key Stakeholders**
- **Lee-Russell Safety Challenges**
- **Data Presentation**
- **Action Items & Next Steps**

# Introductions

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- ▶ **Name**
- ▶ **Agency/Organization**
- ▶ **In your opinion, how can road safety be improved in the Lee-Russell region?**

# Purpose & Need- Map 21 and FAST Act

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- **Update SHSPs every five years**
- **Consider additional safety factors (e.g. RSA findings, rural roads, bicyclists and pedestrians, etc.)**
- **Include state's definition of High Risk Rural Roads**
- **Include strategies to address older driver and pedestrian safety, if fatalities and serious injuries to older drivers and pedestrians have increased**
- **Evaluate SHSP on a regular basis**

# SHSP Features

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- **Consultative with Multidisciplinary Groups/Agencies**
- **Coordinated**
- **Data Driven Problem Identification**
- **A Performance Based Approach**
- **Use of Proven Effective Strategies and Countermeasure**
- **Addressing 4 Es When Determining Highway Safety Strategies**

# Benefits- Join the Journey!

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- **Safer Roads and Streets**
- **Increased Public Support**
- **Access to Data and Expertise**
- **Potential Funding Eligibility**
- **Capacity Building**
- **Networking**
- **And, More!**



# AL SHSP UPDATE & REGIONAL SAFETY PLAN DEVELOPMENT PROCESS



# SHSP Regional Update Process

## SHSP Update Process

### Phase I Regional Pilots

- Pilot regional safety action plan development in two regions
- Establish regional safety goals, action steps, and evaluation plan

### Phase II Regional Plans

- Develop regional safety action plans in remaining regions
- Build support for SHSP update

### Phase III Statewide SHSP Update

- Overall strategy and implementation plan for state
- Encompasses various elements of regional plans

# Regional Safety Plan Development Process

## Pre-Meeting Planning

- Data analysis
- Logistics
- Recruitment
- Recruitment

## Regional Coalition Meetings

### Meeting #1

High-Level  
Data  
Overview

### Meeting #2

Detailed  
Data  
Overview  
and EA  
Selection

### Regional Emphasis Area Team Action Plan Development

EA Team  
Meeting #1

EA Team  
Meeting #2

EA Team  
Meeting #3

### Meeting #3

Prioritize  
initiatives/  
actions

## Statewide Steering Committee Meeting

- Plan adoption
- Identify resource needs
- Statewide SHSP development
- Discuss policy changes

# KEY STAKEHOLDERS

# Safety Stakeholders

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## ► Enforcement

- » State and local police

## ► Emergency Response

- » Hospital staff, EMTs, nurses, doctors, administrators

## ► Educators

- » Teachers, student advisory groups, highway safety offices, enforcement, DOT

## ► Engineers

- » State DOT, MPO, City Public Works



# Who's Missing?

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- **Public Health**
- **Employers and Businesses**
- **Schools**
- **“Movers and Shakers” in the Region**

# LEE-RUSSELL REGIONAL SAFETY CHALLENGES



# Questions for Consideration

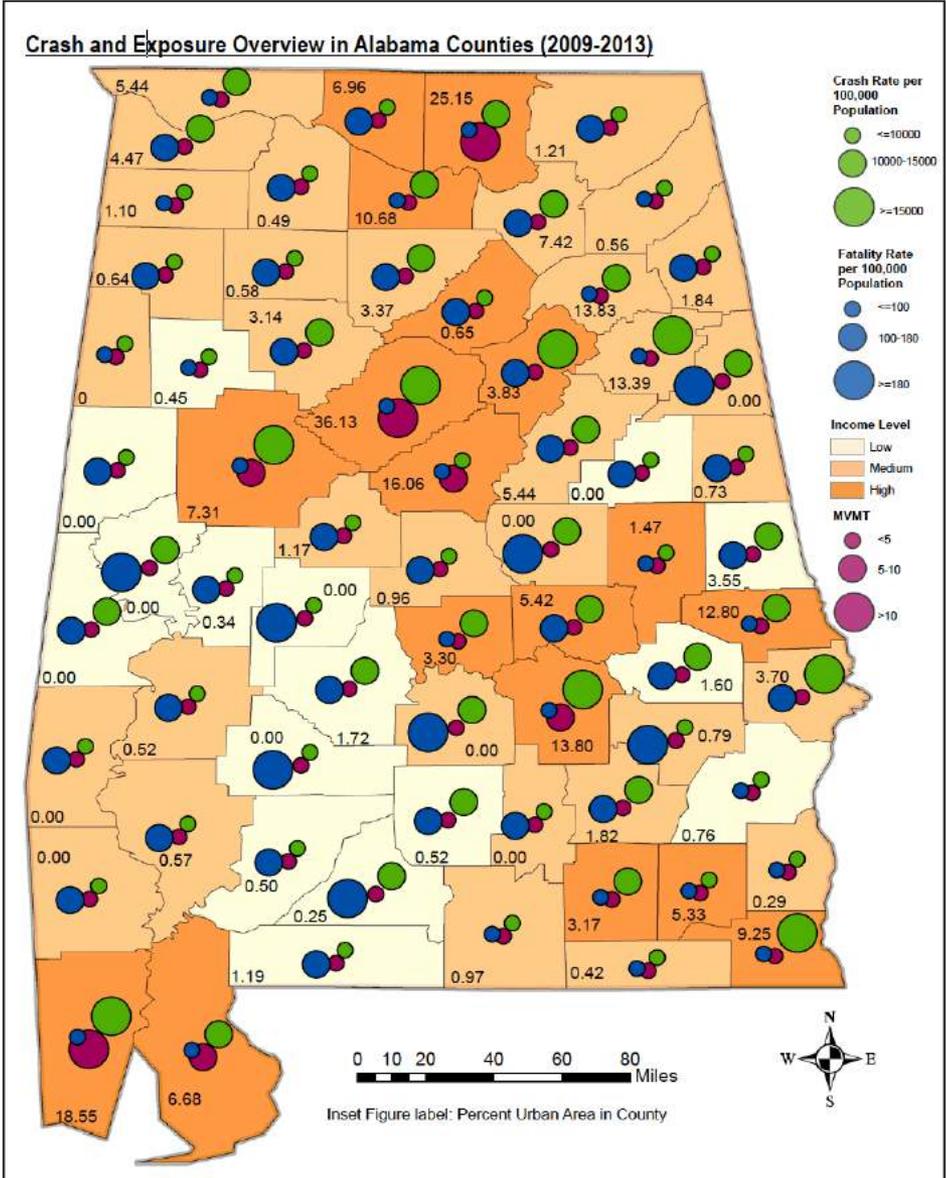
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- **In what specific area/mode/population is transportation safety a concern?**
- **What transportation safety concerns have been raised by the public?**
- **What are your ideas for safety solutions?**

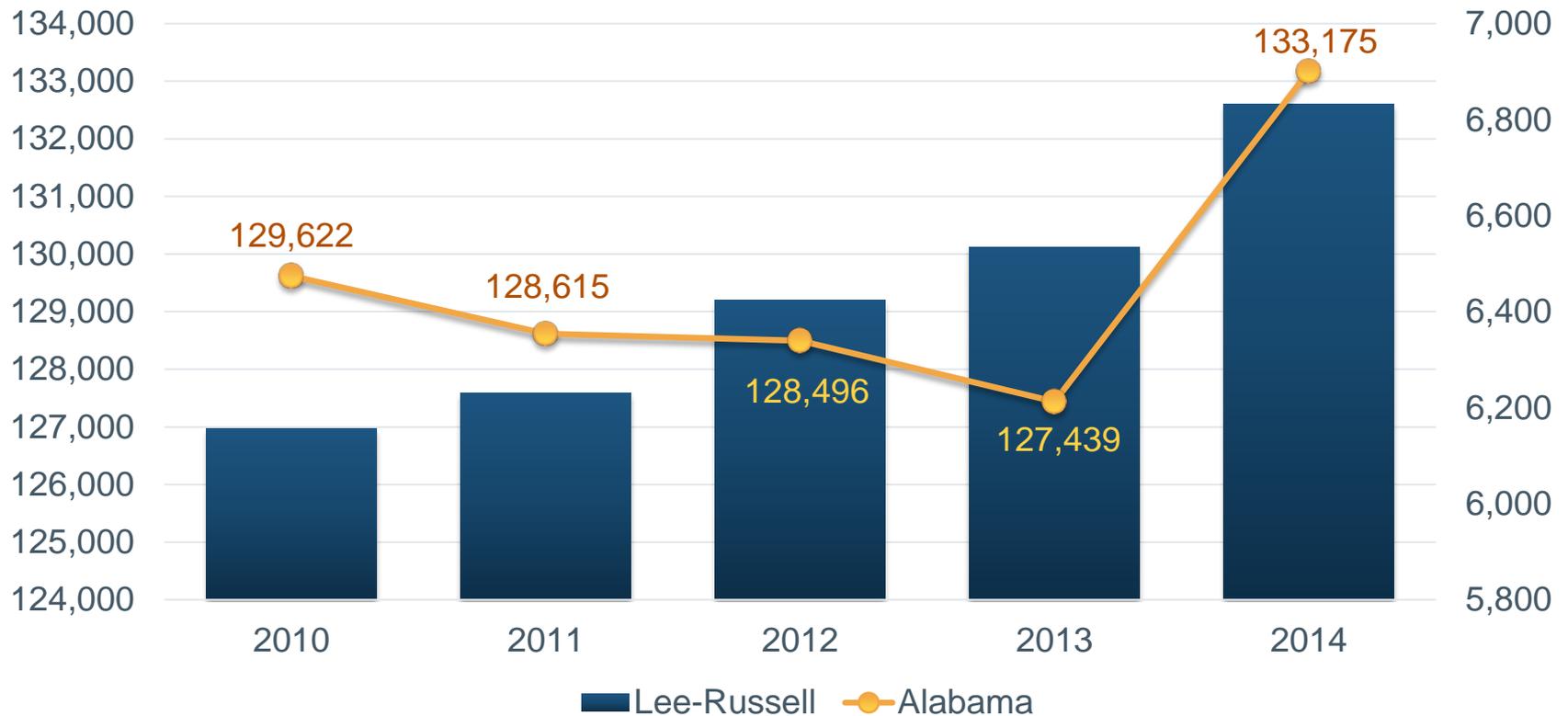
# DATA PRESENTATION

# Statewide Snapshot of Crashes

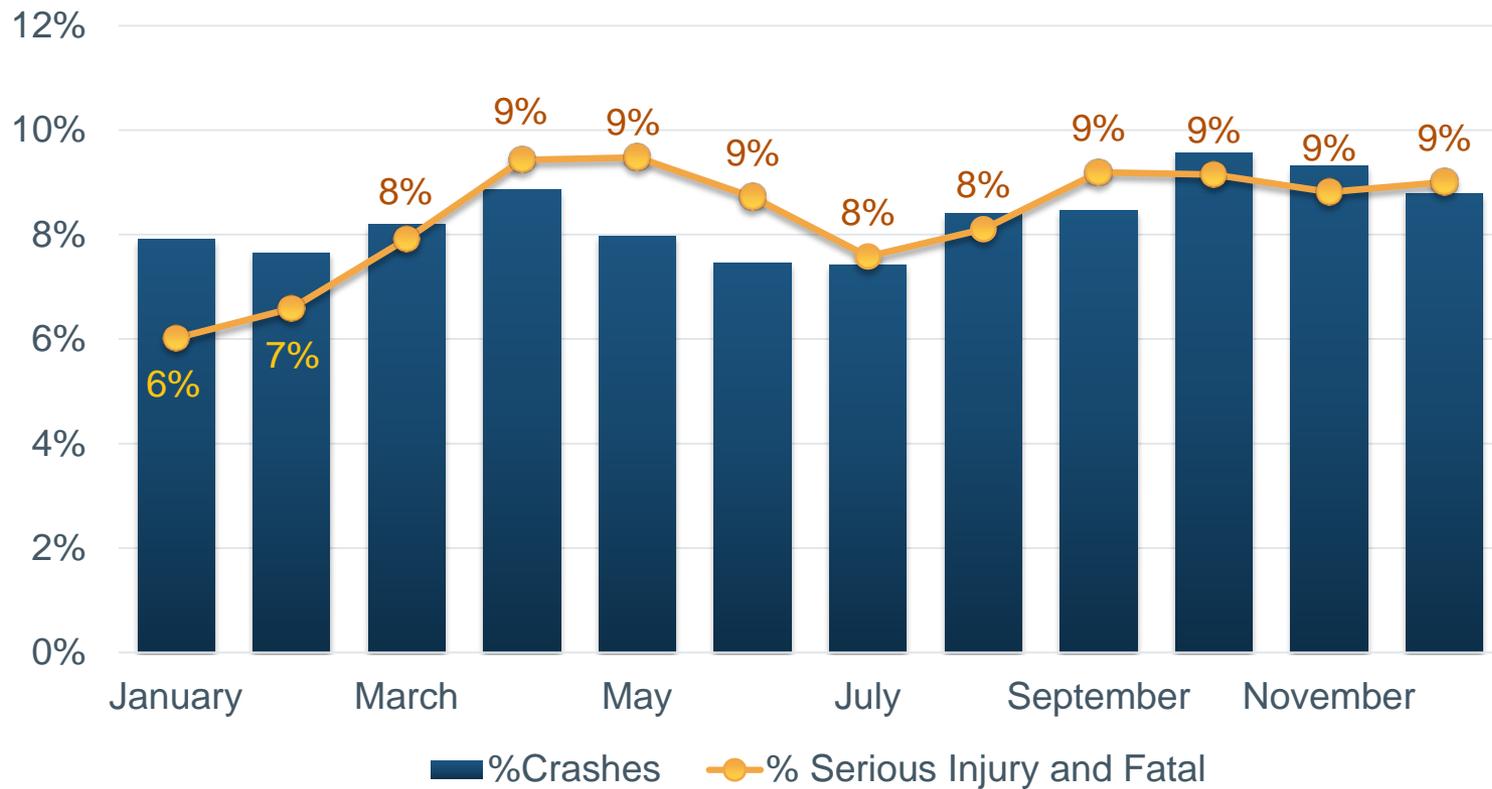
## 2010 to 2014



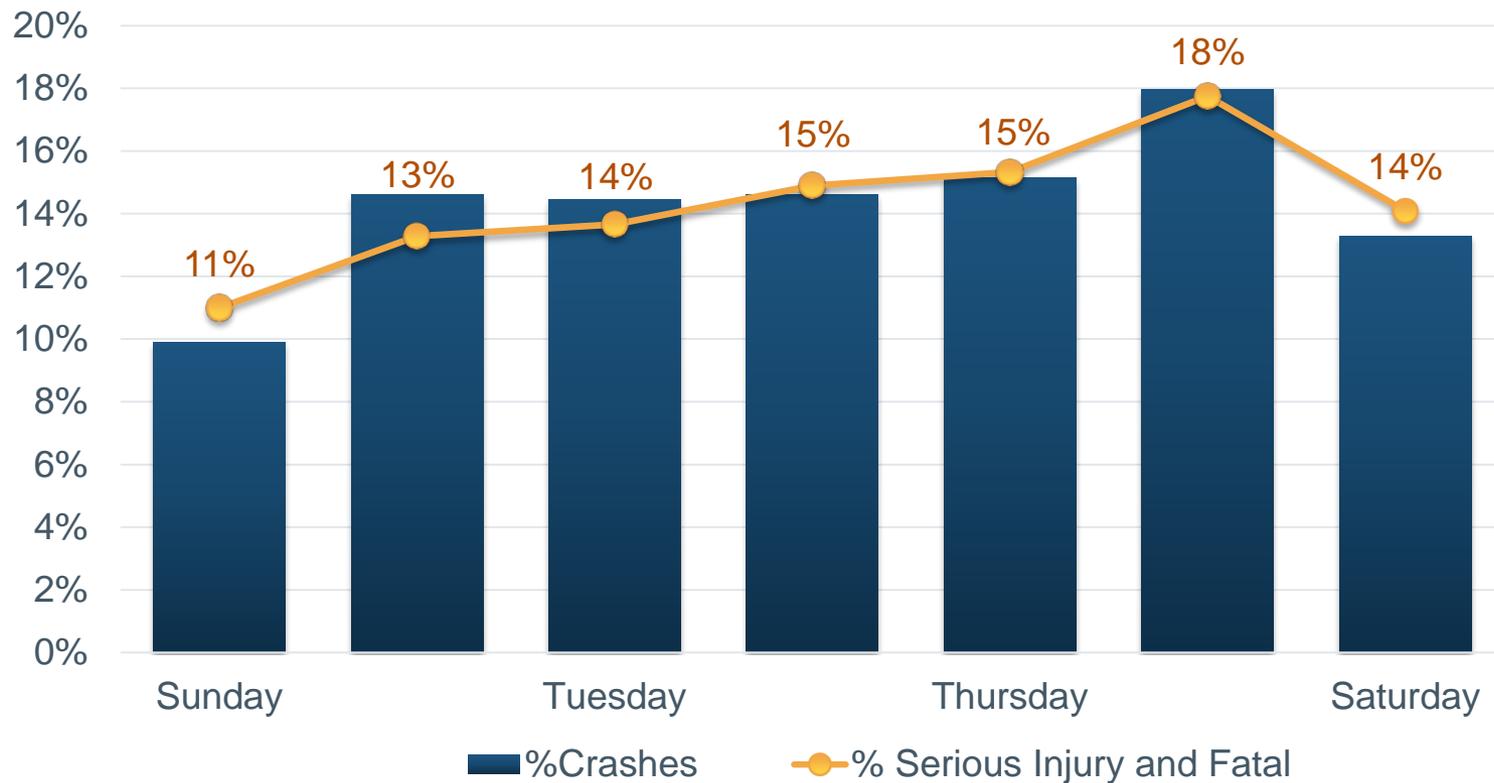
# Statewide and Lee-Russell Crashes (2010-2014)



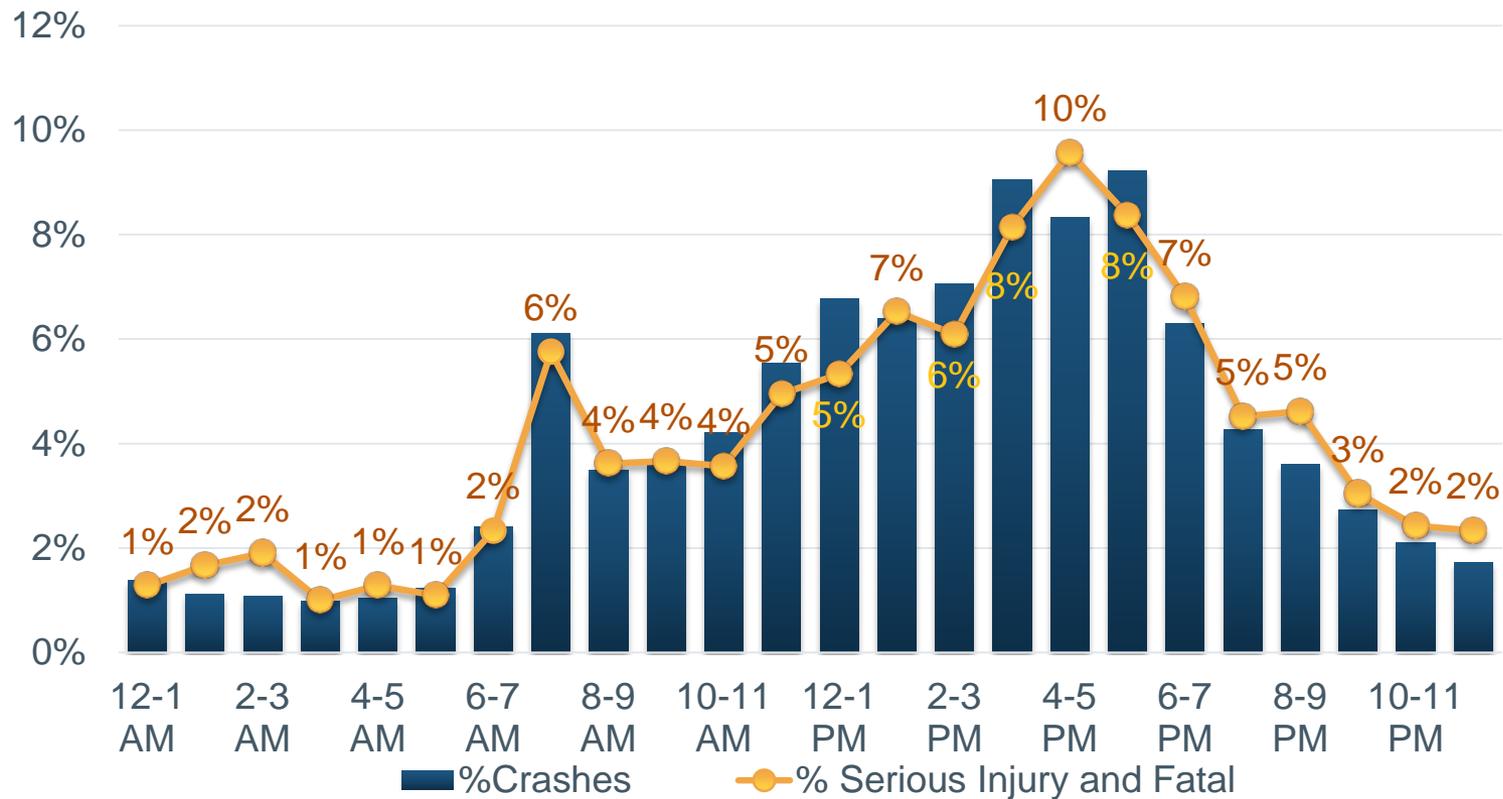
# Total and Severe Crashes by Month (2010 - 2014)



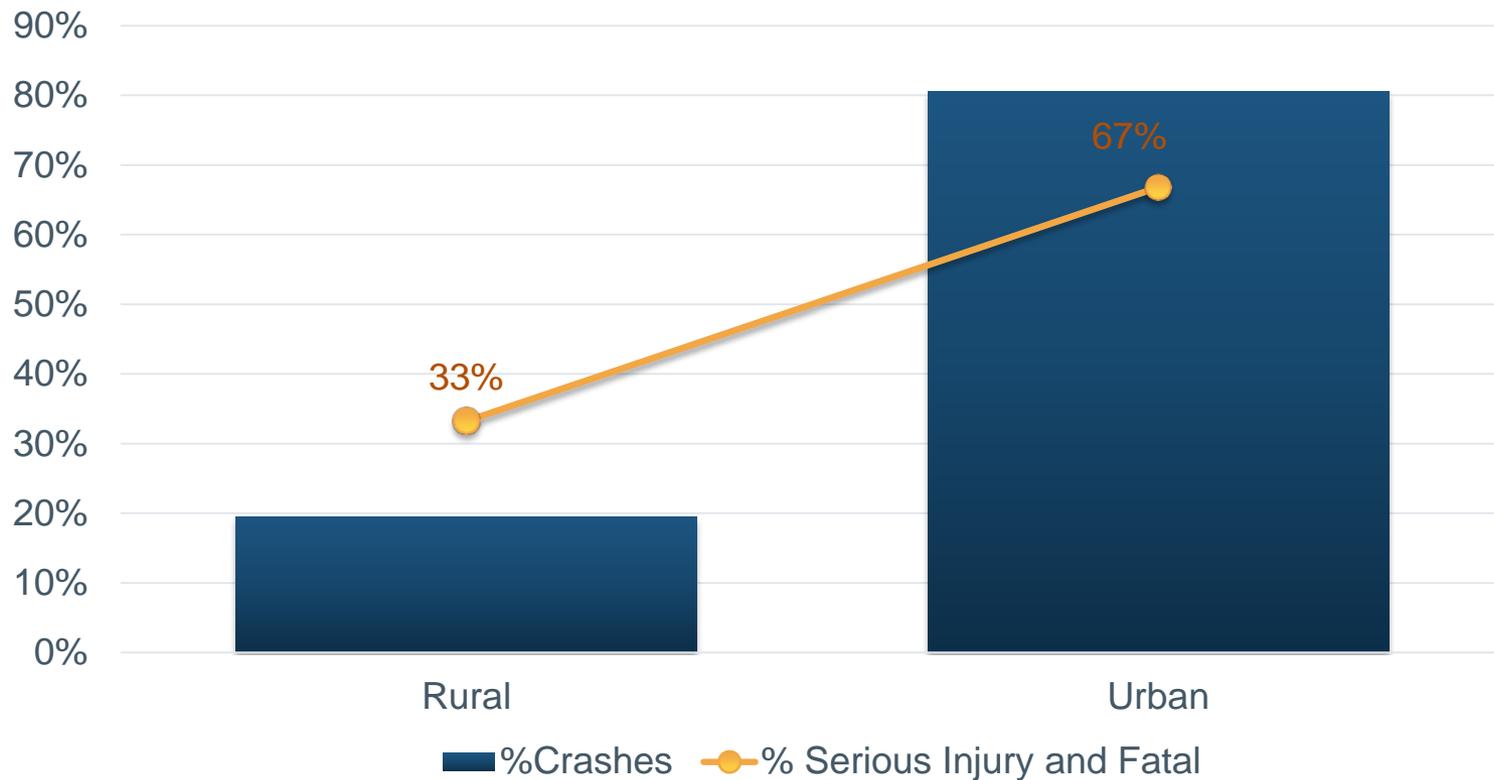
# Total and Severe Crashes by Day of Week (2010 - 2014)



# Total and Severe Crashes by Time of Day (2010 - 2014)

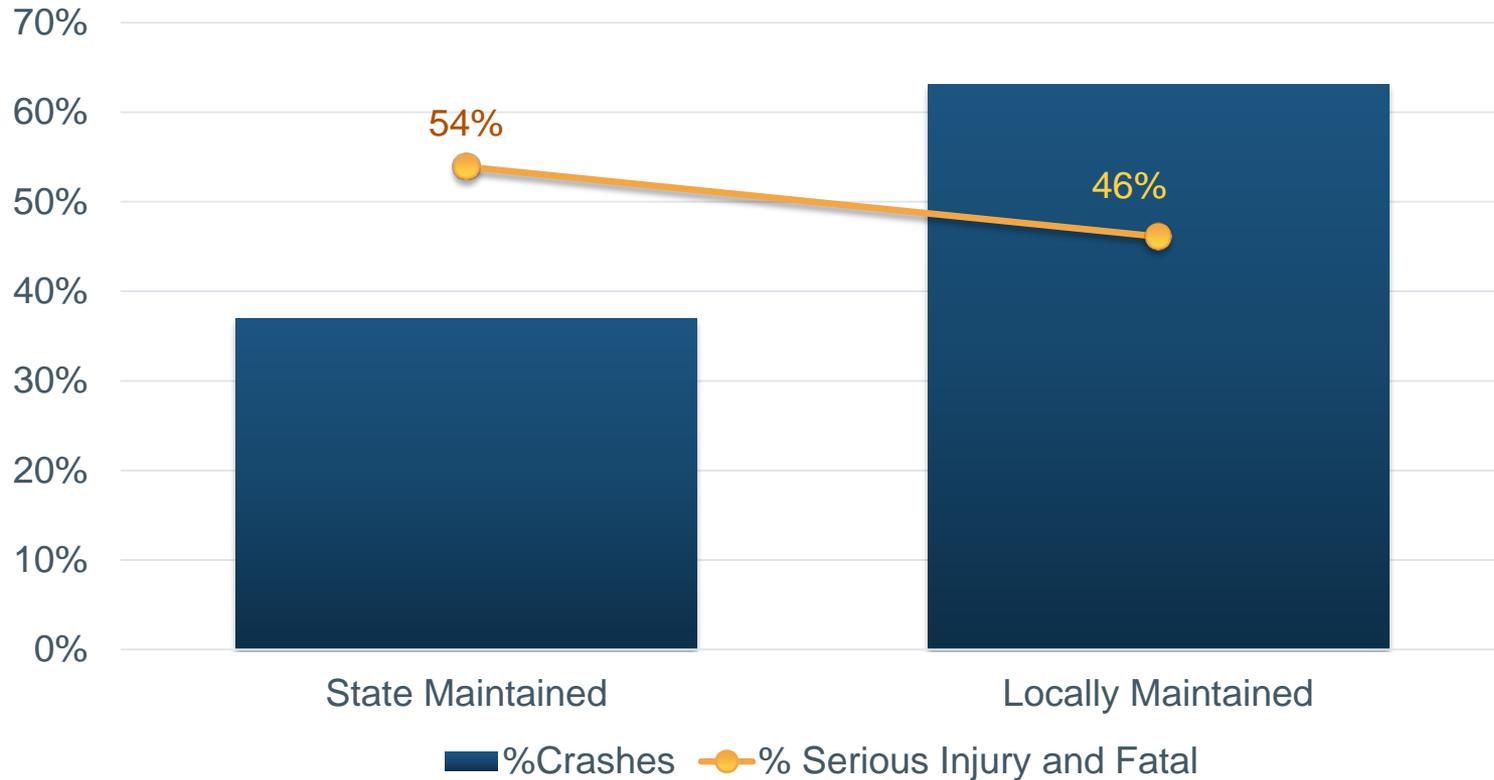


# Total and Severe Crashes by Urban vs Rural (2010 - 2014)

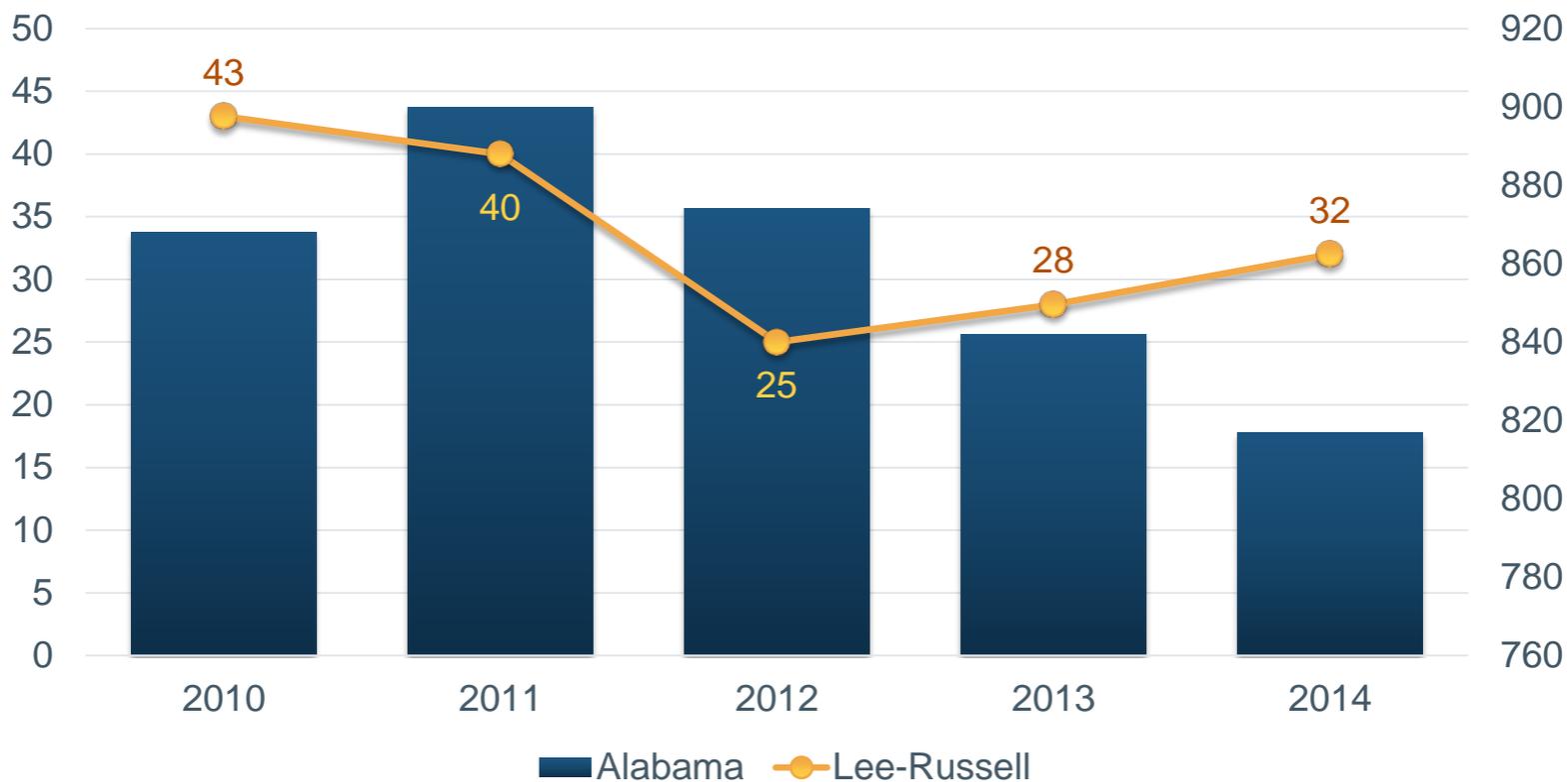


# Total and Severe Crashes by Roadway Type

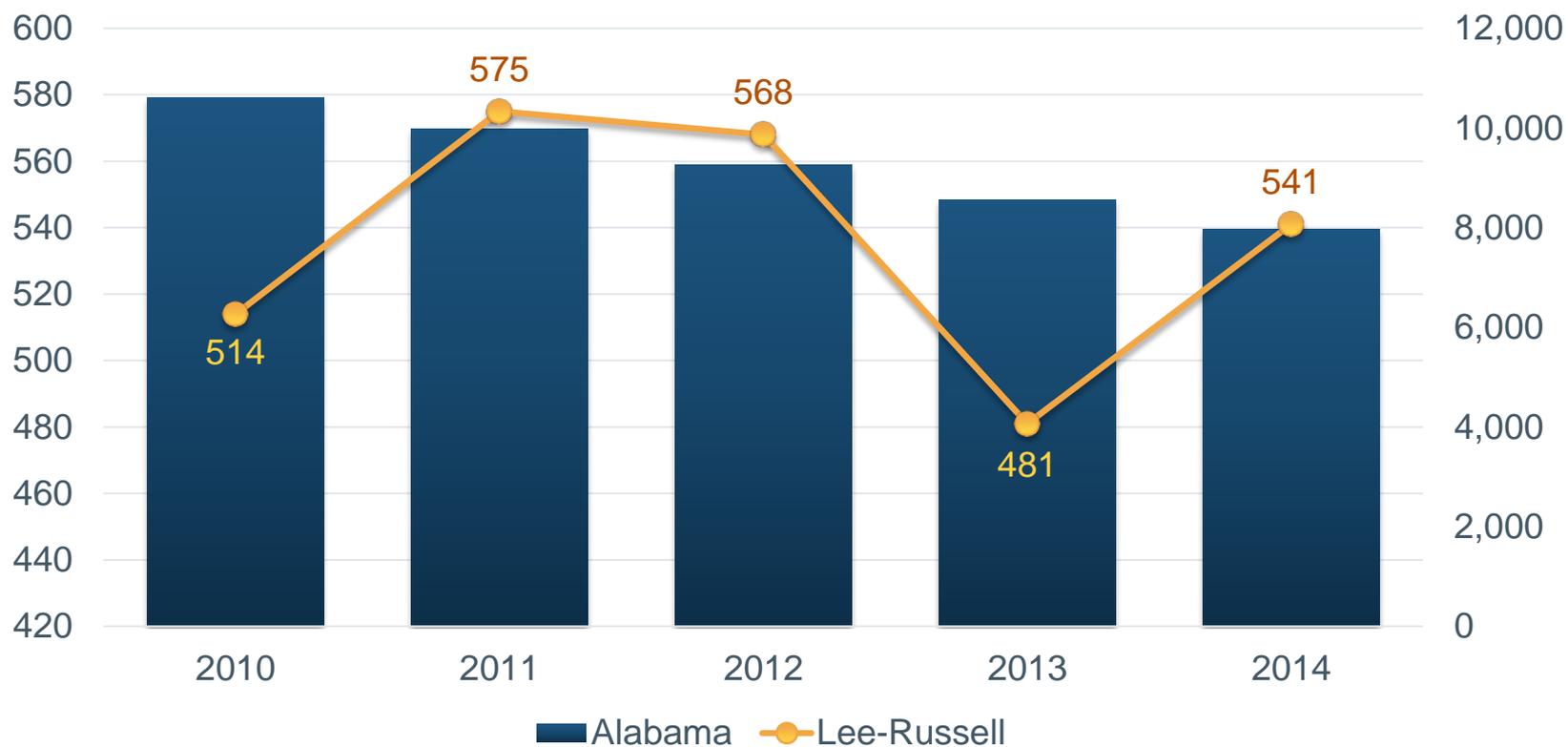
## 2010 to 2014



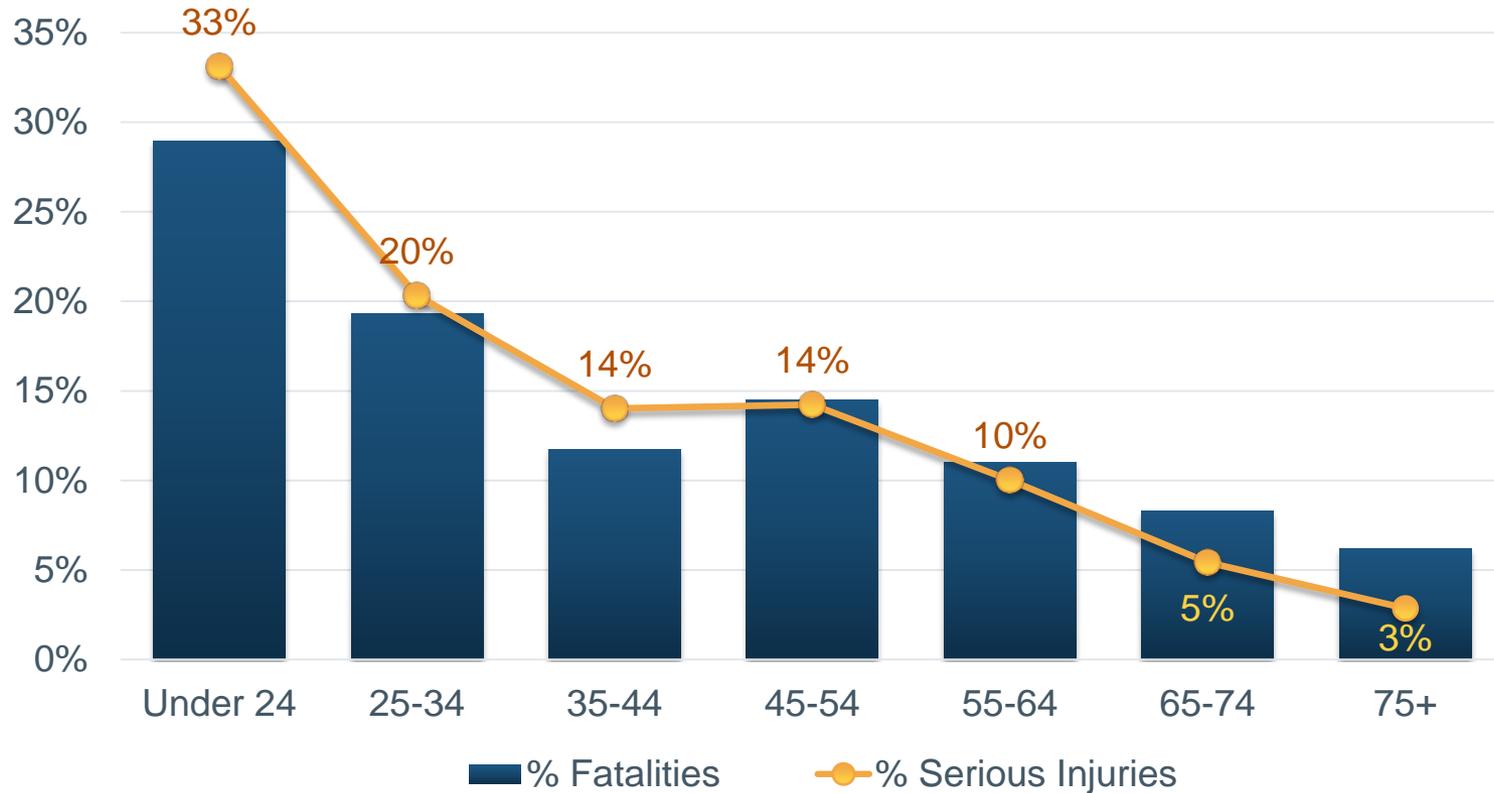
# Statewide and Lee-Russell Total Fatalities (2010-2014)



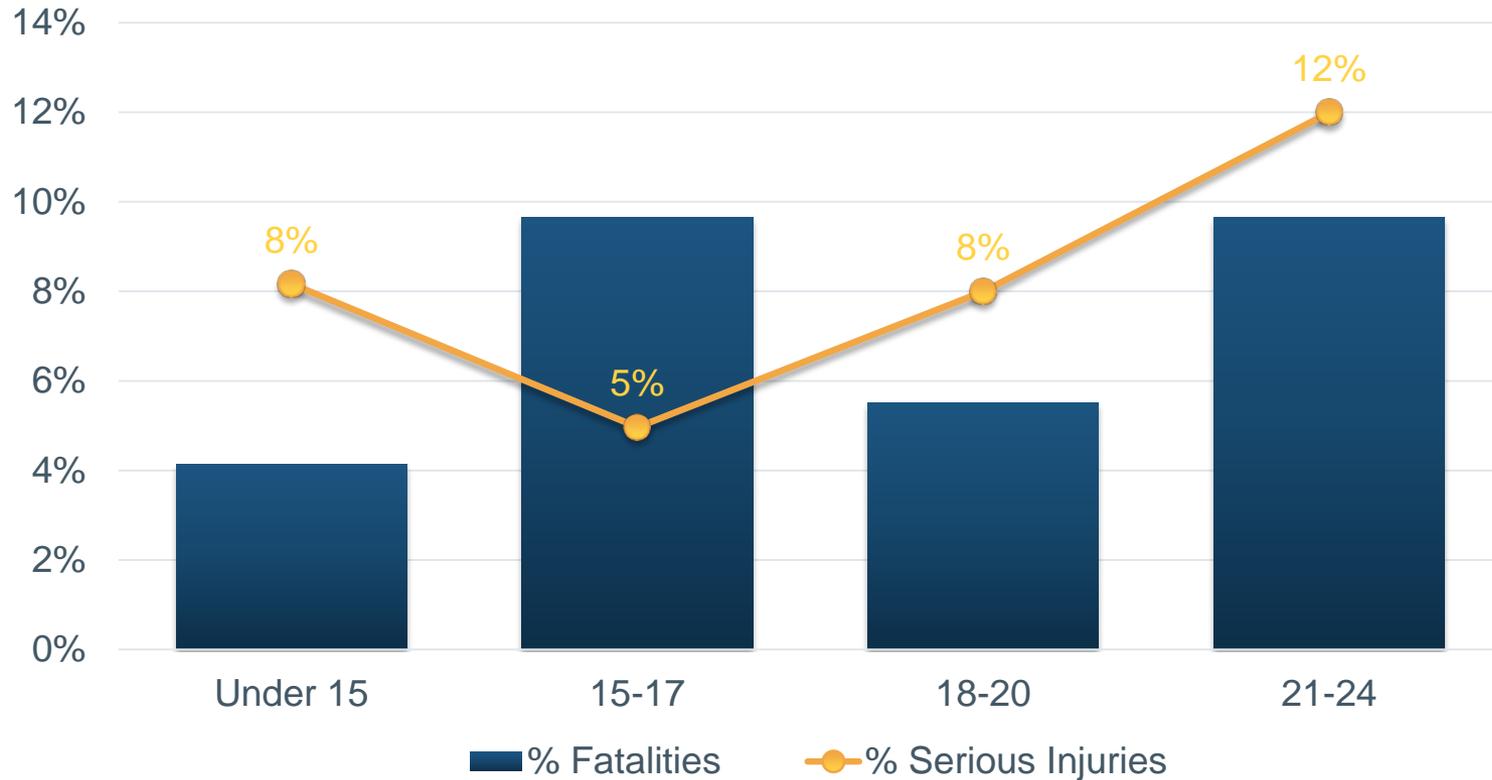
# Statewide and Lee-Russell Severe Injuries (2010-2014)



# All Persons Injured and Severe Injuries by Age (2010 - 2014)

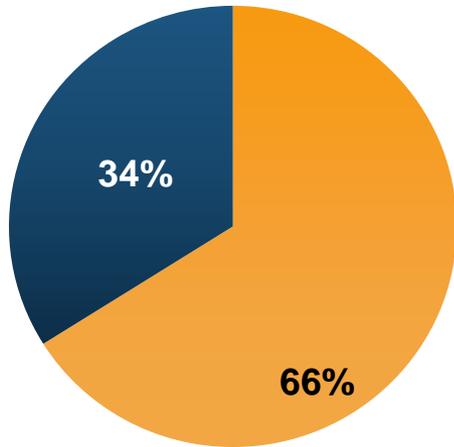


# All Persons Injured and Severe Injuries by Age (2010 - 2014)



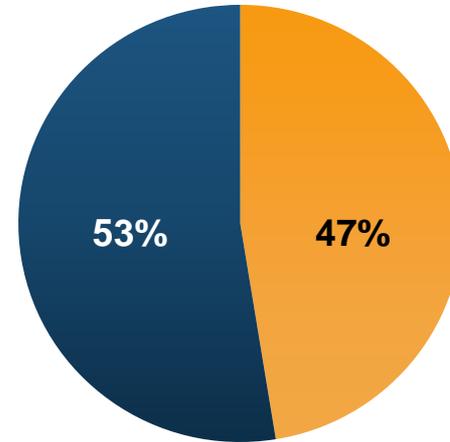
# Total Fatalities and Serious Injuries by Gender 2010 to 2014

**Total Fatalities**



■ Male ■ Female

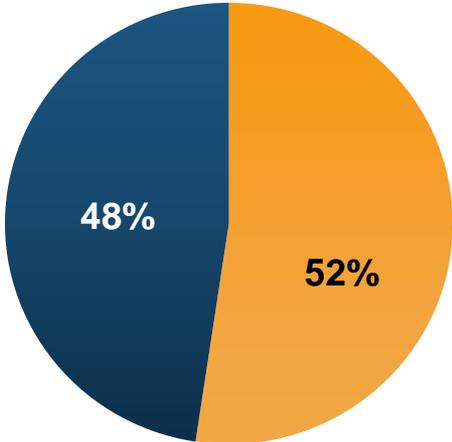
**Total Serious Injuries**



■ Male ■ Female

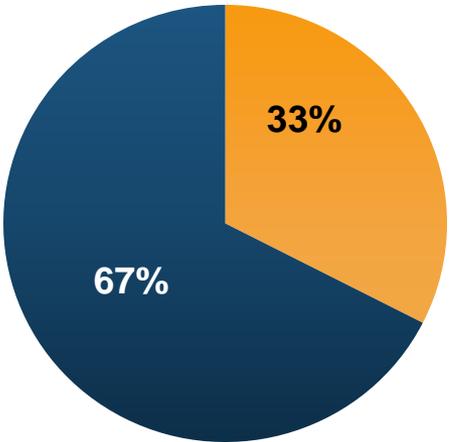
# Total Fatalities and Serious Injuries by Urban vs Rural 2010 to 2014

Total Fatalities



■ Rural ■ Urban

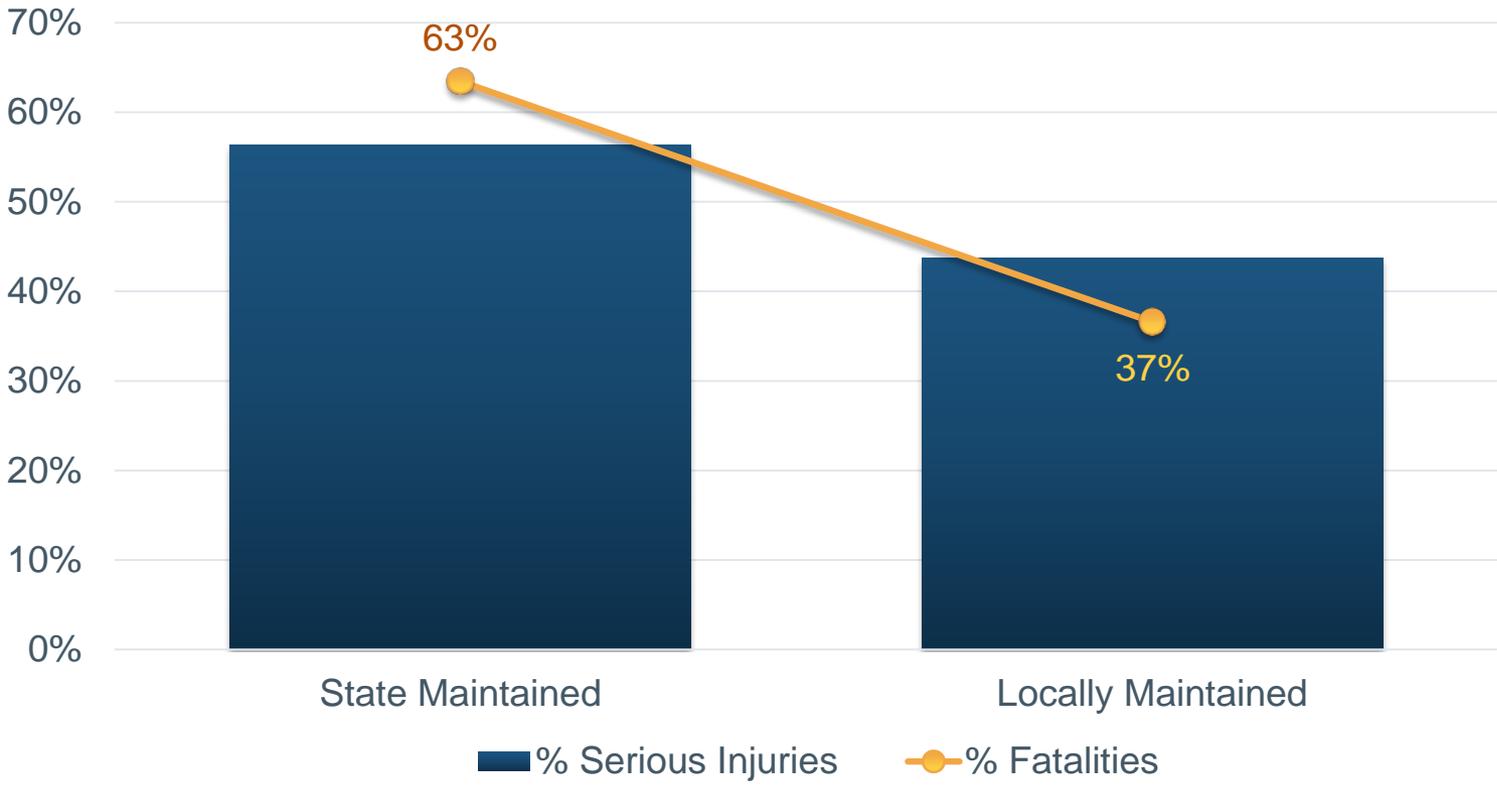
Total Serious Injuries



■ Rural ■ Urban



# Total Fatalities and Serious Injuries by Roadway Type 2010 to 2014



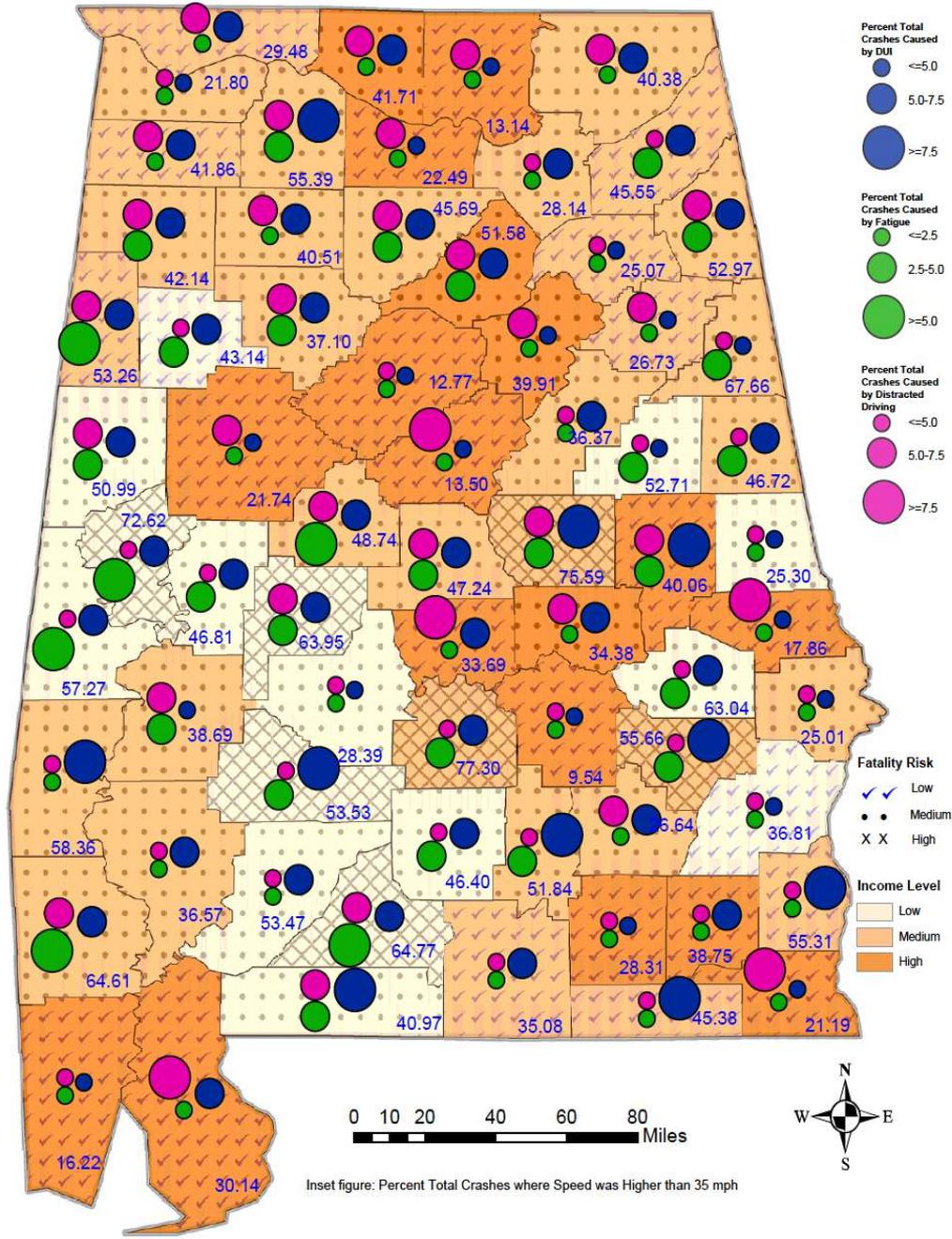
# Percent of All Crashes and Serious Injury Crashes By Type, 2010 to 2014

Crash Type	Percent of Total Crashes	Percent of Fatal Crashes	Percent of Serious Injury Crashes
Single Vehicle Crash (RD)	15.8%	42.1%	25.4%
Head-On (front to front only)	2.0%	8.6%	4.4%
Angle Oncoming (frontal)	2.0%	1.3%	4.3%
Angle (front to side) Same Direction	2.5%	0.0%	1.2%
Angle (front to side) Opposite Direction	3.1%	2.6%	2.9%
Rear End (front to rear)	34.4%	3.9%	22.7%
Side Impact (angled)	7.9%	7.2%	9.8%
Side Impact (90 degrees)	9.7%	14.5%	18.9%
Sideswipe - Same Direction	6.2%	1.3%	2.7%
Sideswipe - Opposite Direction	1.7%	0.0%	0.6%
Backing	5.5%	0.0%	0.2%
Other	2.6%	7.2%	2.0%

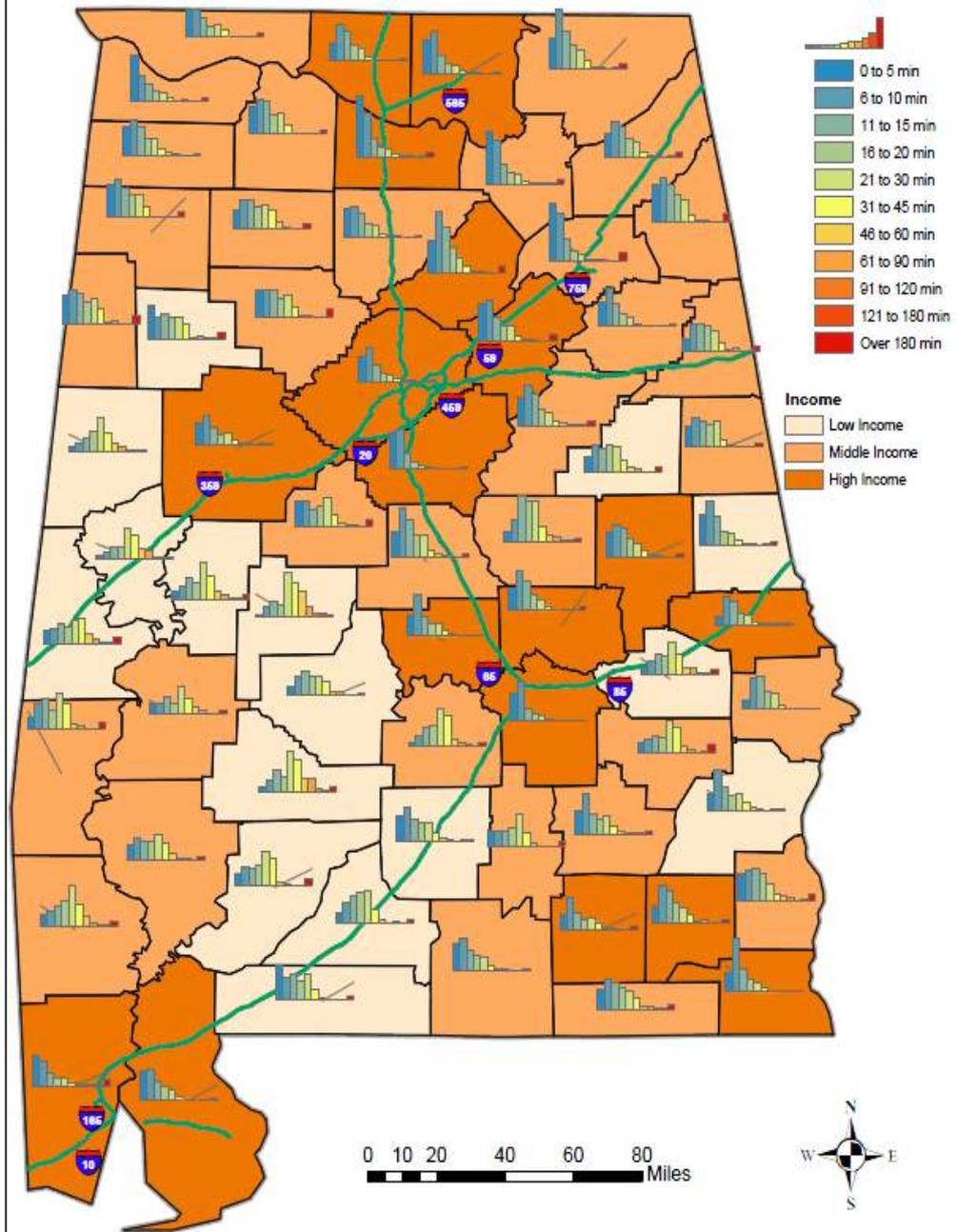
# Percent of All Crashes and Serious Injury Crashes By Crash Characteristic, 2010 to 2014

Crash Characteristic	Percent of Total Crashes	Percent of Fatal Crashes	Percent of Serious Injury Crashes
Aggressive Driver	13.8%	14.5%	16.9%
Distracted Driver	3.1%	3.6%	5.5%
Roadway Departure	15.8%	11.9%	8.9%
Intersection	10.2%	23.1%	25.6%
Commercial Motor Vehicle	4.7%	2.7%	2.6%
Unrestrained	13.8%	5.6%	1.9%
Impaired driver	6.5%	3.8%	2.3%
Older Driver (65+)	5.1%	7.3%	10.1%
Younger Driver	11.6%	18.0%	22.4%
Speeding	7.8%	4.3%	2.5%
Railroad Crossing	0.2%	0.1%	0.0%
Motorcycles	3.1%	3.0%	0.7%
Bicycle/Pedestrian	4.2%	2.0%	0.4%

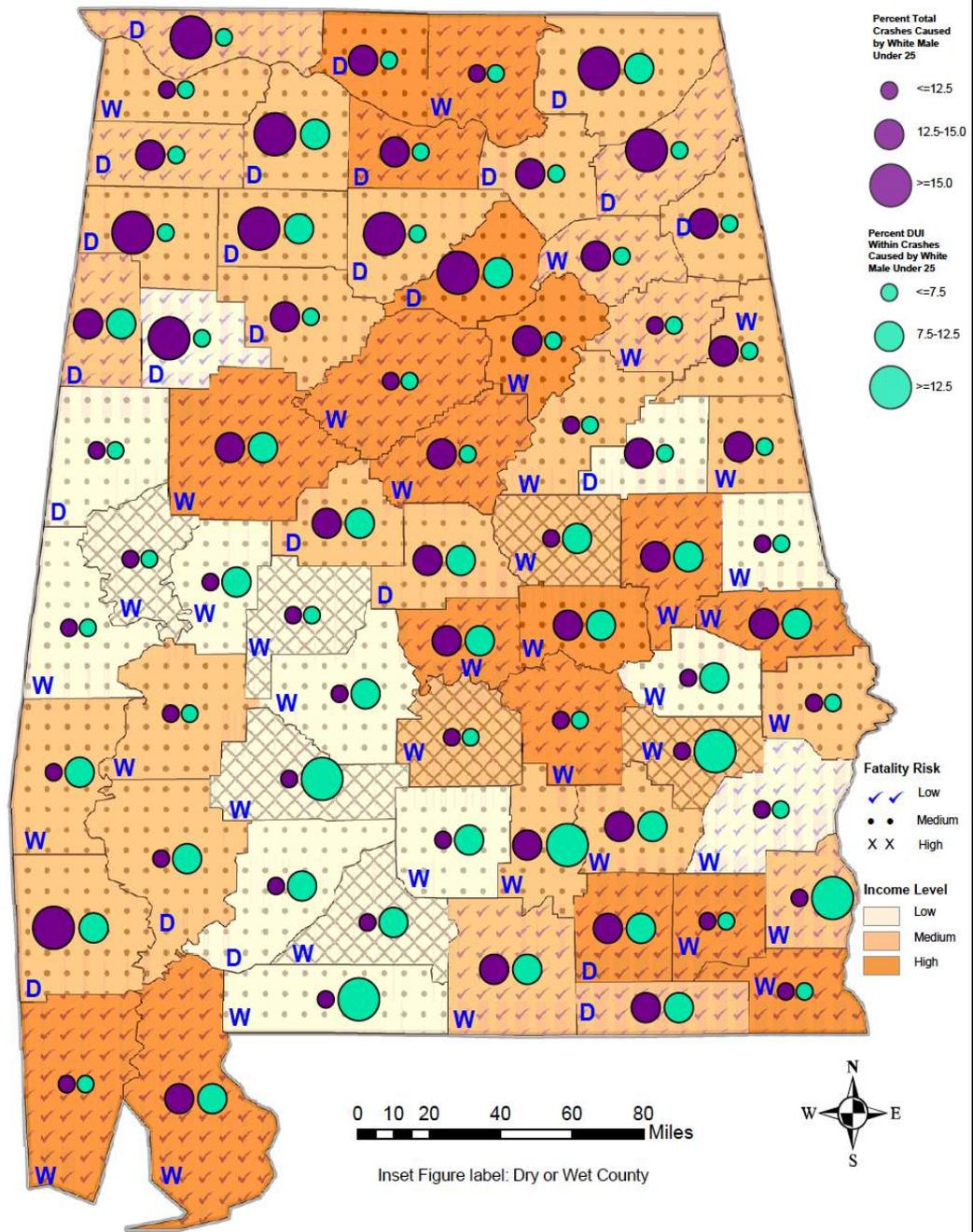
# Primary Contributing Circumstances for Crashes in Alabama Counties (2009-2013)



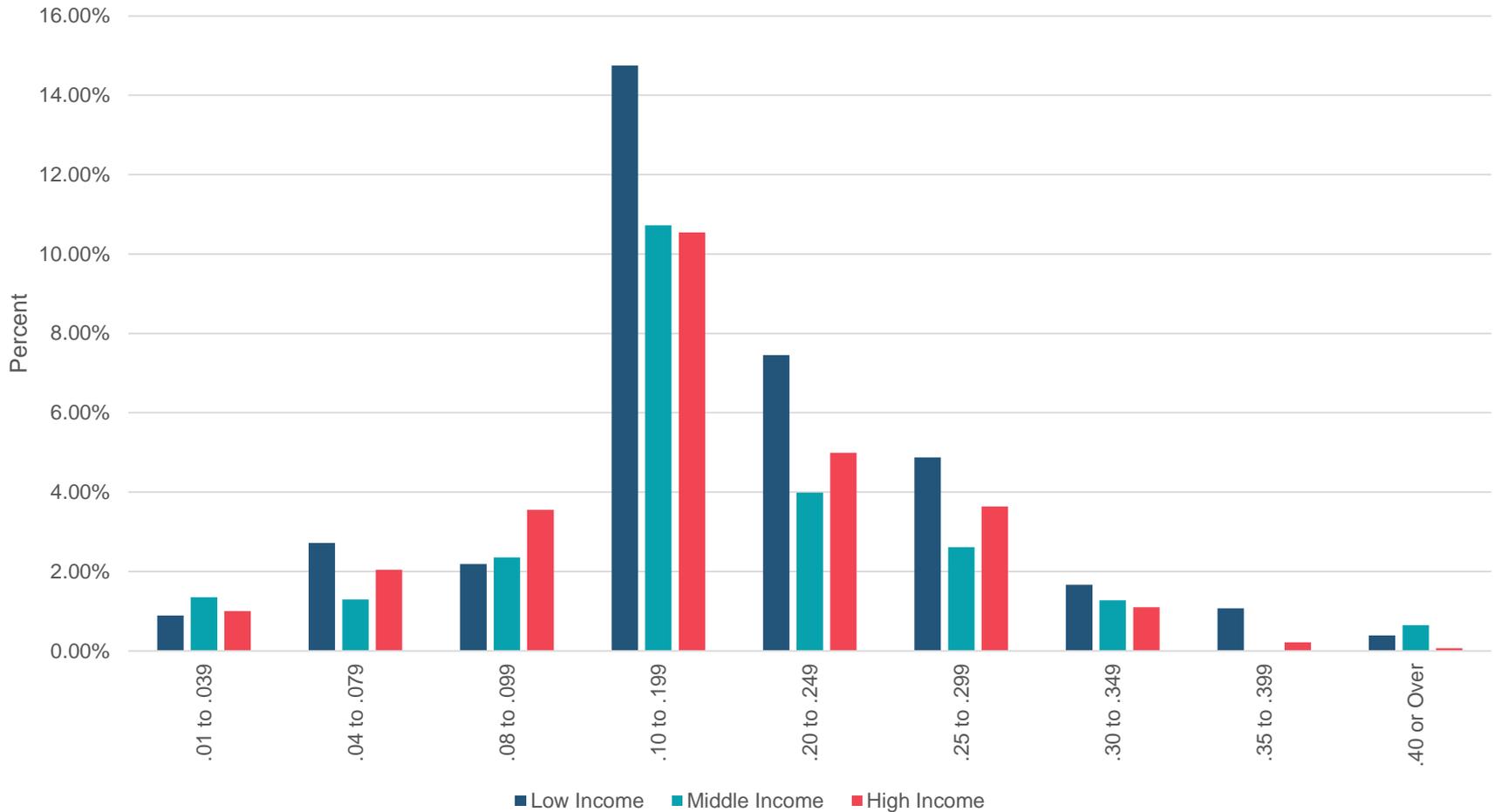
# Distribution of EMS Arrival Delay in Alabama Counties(2009 - 2013)



# DUI, Race, Gender, Age and Fatality Risk in Alabama Counties (2009-2013)



# Blood Alcohol Content in Fatal Crashes



# NEXT STEPS & ACTION ITEMS

# Next Steps

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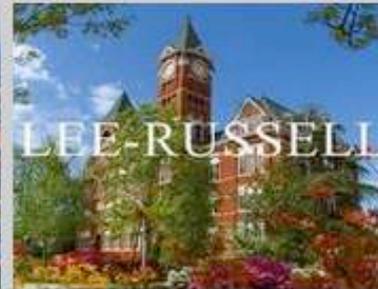
- **Recruit needed stakeholders**
- **Identify date/location for Coalition Meeting #1**
- **Gather additional data**
- **Website**
- **Prepare meeting materials/presentations**

# Safe Home Alabama Website

The screenshot shows the website interface for www.safehomealabama.gov. At the top left, a red arrow points to the 'SAFE HOME ALABAMA' logo, which includes a green outline of Alabama. To the right of the logo is the tagline: 'Unifying Alabama's Traffic Safety Efforts Working Together to Save Lives'. A 'Login' button is located in the top right corner. Below the header is a navigation menu with the following items: SHA HOME, SERVICE GROUPS, GOVERNMENT AGENCIES, UNIVERSITIES, SAFETY TOPICS, and PLANS & ANALYSIS. A search bar is positioned to the right of the navigation menu. The main content area features a large banner for 'Don't Wreck The Holidays' with the subtext 'Pre-Holiday Season Drunk Driving Prevention November 28 - December 15, 2015'. The banner text reads: 'As we prepare for festivities with family and friends, NHTSA wants to remind all drivers that it's dangerous to drive after drinking. You have to choose your role before drinking begins: will you drink or will you drive? Remember Buzed Driving is Drunk Driving. Click here and get your campaign materials now!'. To the right of the banner is an image of a snowman. Below the banner are three icons in green circles: a white outline of Alabama, a white outline of the United States, and a white gavel. On the right side, a dropdown menu is open under 'PLANS & ANALYSIS', listing: Strategic Highway Safety Plan (SHSP), CARE/eCrash, eCite, Crash Facts, Demographics, FARS, Holidays, IHSDM/HSM, Road Improvements, TRCC, and Work Zones. A red arrow points to the 'Strategic Highway Safety Plan (SHSP)' item in the dropdown menu.



# SHSP REGIONS



## SHSP

### Strategic Highway Safety Plan

#### The 4E's of Transportation Safety

- o Engineering
- o Enforcement
- o Education
- o Emergency Response

For reference, the previously completed 2012-2017 SHSP (2nd Edition) is available at the following link.



## SHSP Information

The State of Alabama has an initiative to develop the most recent Strategic Highway Safety Plan.

This task is being conducted by the University of Alabama (UA) for the Alabama Department of Transportation (ALDOT).

ALDOT has decided to use a "bottom up" approach to update the SHSP. This approach involves developing regional coalitions in charge of providing input for data driven regional safety action plans.

Each plan will identify the most pressing traffic safety challenges (Emphasis Areas) and outline strategies to reduce fatalities and serious injuries in the region and subsequently statewide. The regional plans will be used to update the overall statewide SHSP in 2017.

Each regional coalition will convene a diverse group of stakeholder participants representing all facets of the 4E's ranging from industry to community civic groups. Stakeholders will participate in meetings to review and discuss region specific transportation data, identify Emphasis Areas, and then work on Emphasis Area Teams to prioritize initiatives and actions to reduce the related crashes.

We need the participation of all interested stakeholders in order to make this process a success and impact transportation safety in the State of Alabama.

Additional information about the regional coalitions can be found by clicking the region buttons above or by visiting our [Frequently Asked Questions](#)

## SHSP Information



## Birmingham

### Birmingham

Counties Covered:  
Blount, Chilton, Jefferson, St. Clair,  
Shelby, and Walker

### Previous Meetings

April 15, 2015 Pre-Planning Meeting

[Agenda](#)  
[Presentation](#)

July 18, 2015 Meeting #1

[Agenda](#)  
[Presentation](#)

Birmingham Next Meeting

Tuesday, November 17, 2015  
9:30 AM – 11:30 AM  
RPCGS Conference Room  
220th Street N  
Birmingham, AL 35203

BIRMINGHAM STAKEHOLDER  
FEEDBACK SURVEY

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## Coalition Invitation

# BIRMINGHAM REGIONAL COALITION

## Regional Safety Action Plan

*Between 2010 and 2014, the number of traffic crashes in the Birmingham Region has increased by 28%.*

Efforts are underway to develop an action plan to improve transportation safety in the Birmingham Region. We are asking you to help us understand the public's transportation safety concerns, as well as your ideas about safety solutions.

Common characteristics of severe crashes include:

- Single vehicles departing the roadway,
- Drivers and other road users under the influence of alcohol,
- Non-intersection locations, and
- Young-adult drivers.



### Who Should Participate?

- Engineers
- Planners
- Safety Practitioners
- State and Local Police
- Emergency Responders
- Health Care Workers
- Educators
- Behavioral Scientists

### Benefits of Participation

- Safer roads and streets
- Increased public support for safety
- Access to data and expertise
- Potential funding eligibility
- Building community safety capacity
- Networking with other concerned individuals and organizations

# Action Items

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# Contacts

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