

Birmingham Regional Coalition

Regional Safety Action Plan Development Meeting #1



presented to

**Birmingham Regional
Coalition**

presented by

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Agenda

- Welcome and introductions
- Project purpose and need
- Overview – Alabama SHSP update and Regional Safety Action Plan Development Process
- Birmingham’s safety challenges
- Proven effective strategies and countermeasures
- Recruiting additional stakeholders
- Action items and next steps

Introductions

- ▶ Name
- ▶ Agency/Organization
- ▶ How you hope to improve transportation safety in the Birmingham region?

Purpose and Need

- States should update SHSPs every five years
- States should 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 there has been an increase fatalities and serious injuries to older drivers and pedestrians
- States must evaluate their SHSP on a regular basis

SHSP Features

- Consultative with multidisciplinary groups/agencies
- Coordination
- 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!

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

ALABAMA SHSP UPDATE AND REGIONAL SAFETY PLAN DEVELOPMENT PROCESS

SHSP 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/a
ctions

Statewide Steering Committee Meeting

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

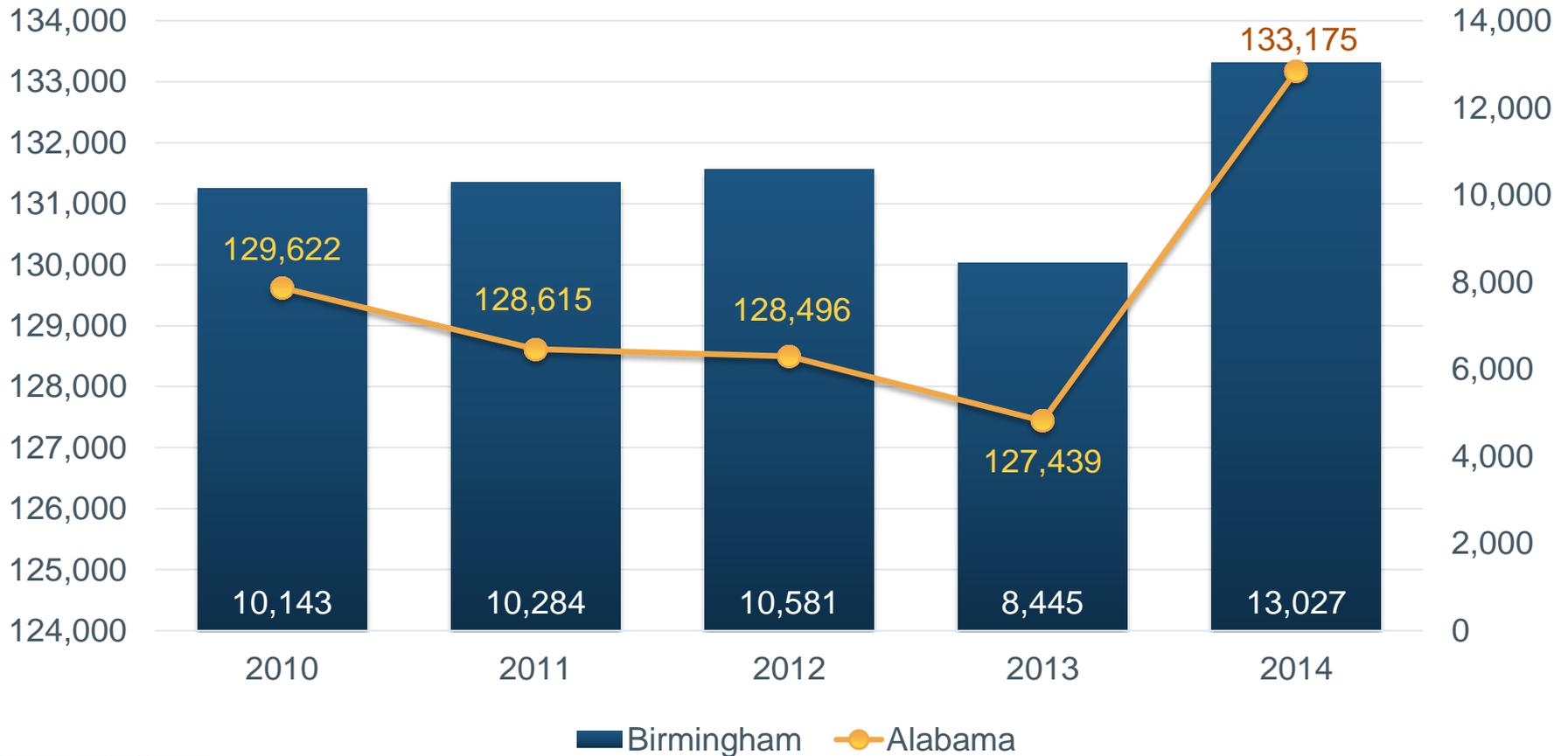
BIRMINGHAM'S SAFETY CHALLENGES

Questions for Consideration

- 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?

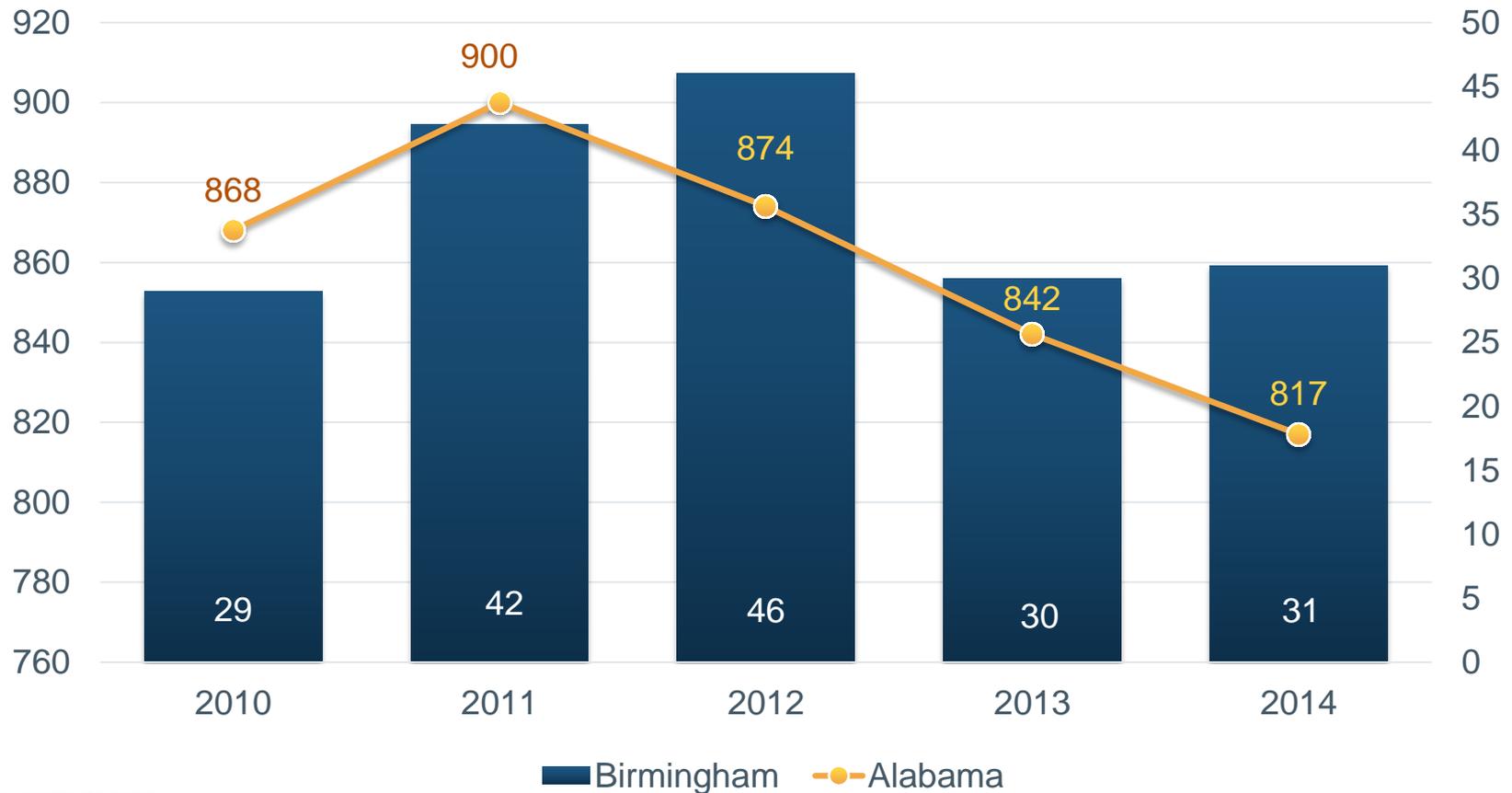
Statewide and Birmingham Crashes

2010 to 2014

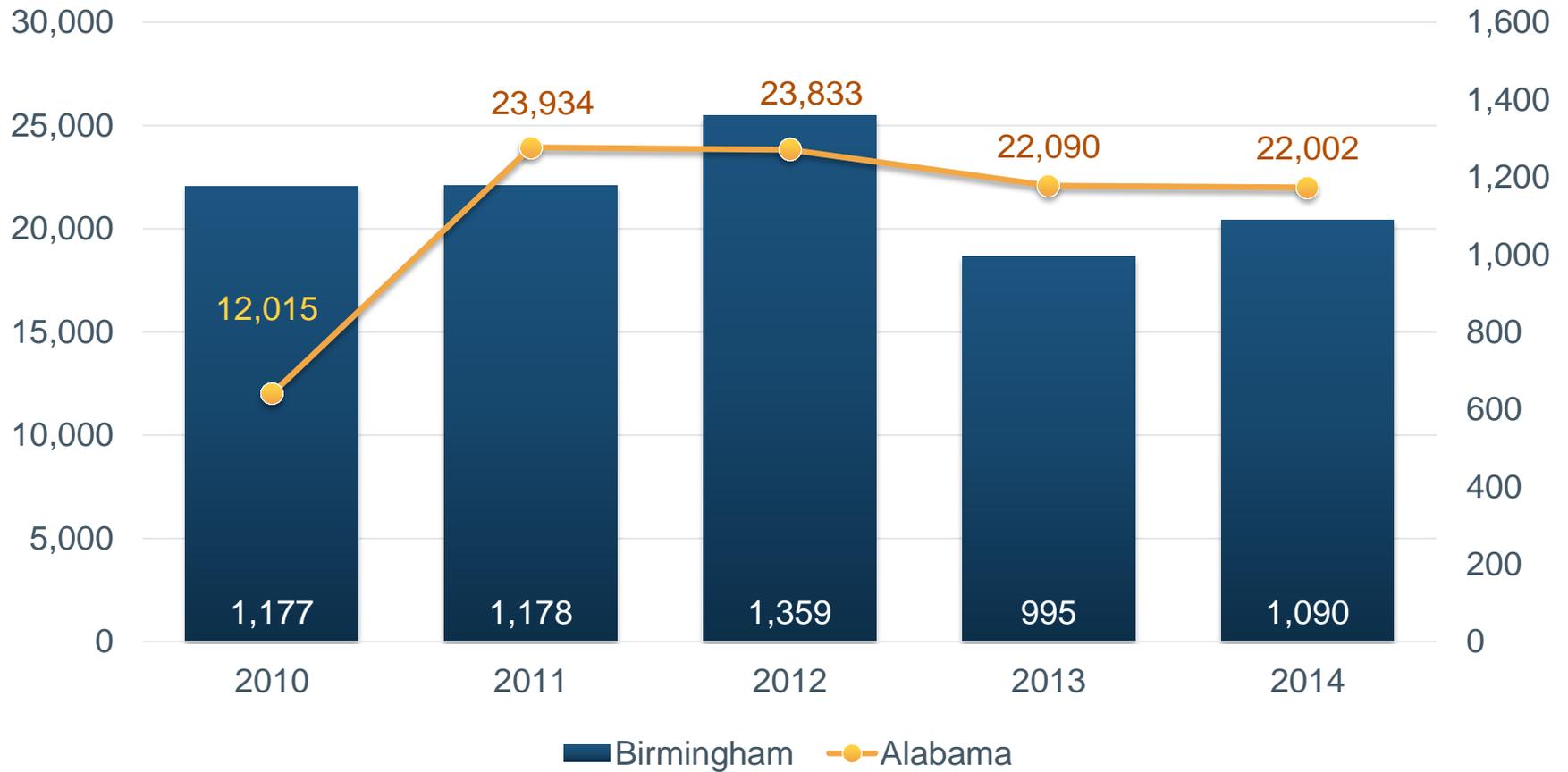


Statewide and Birmingham Fatalities

2010 to 2014



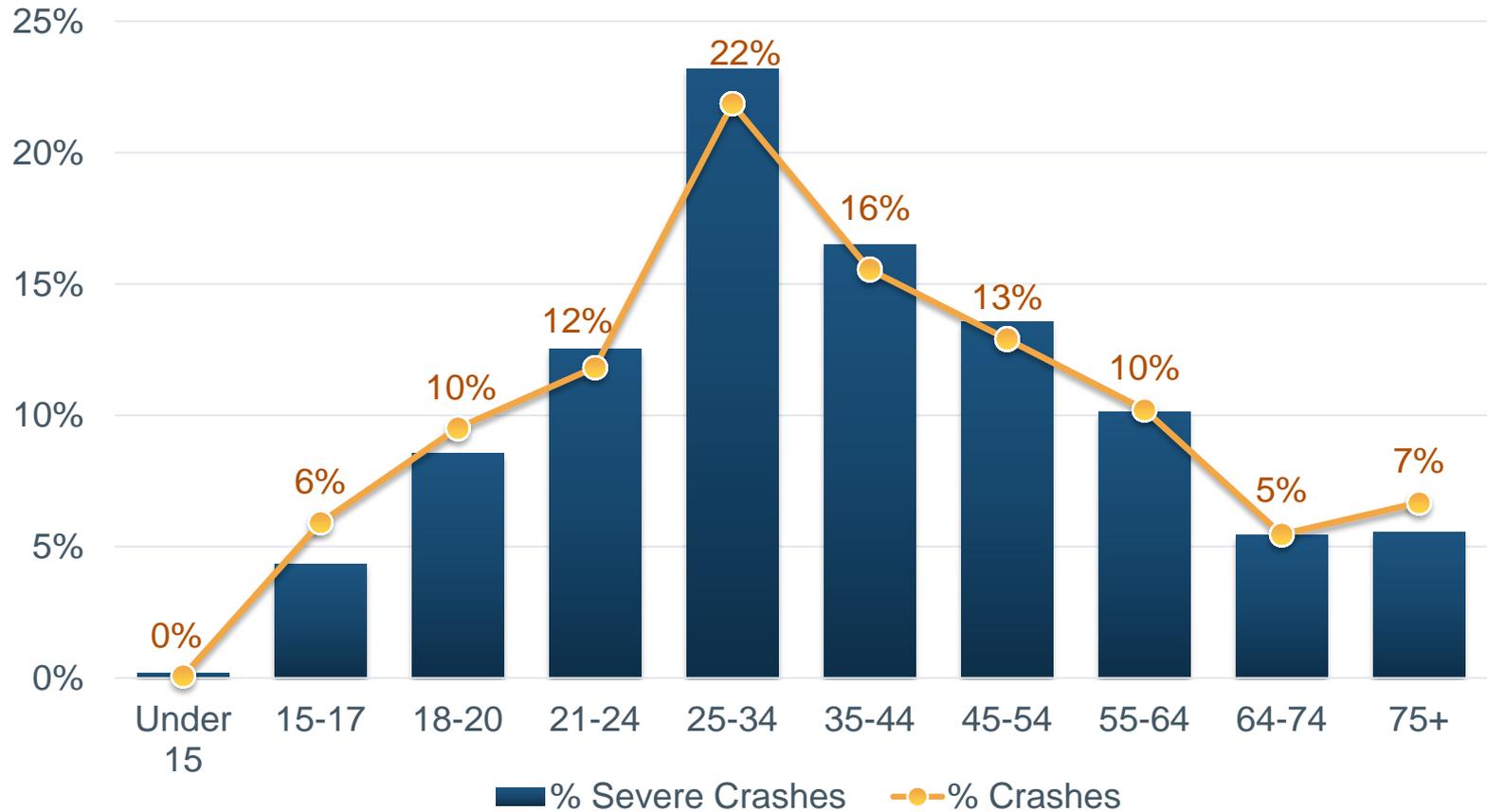
Statewide and Birmingham Severe Injuries 2010 to 2014



Percent of All Crashes and Severe Crashes By Type, 2010 to 2014

Crash Type	Percent of Total Crashes	Percent of Severe Crashes
Rear-End	33.8%	7.6%
Single Vehicle (RD)	28.2%	47.2%
Side-Swipe Same Direction	6.5%	0.9%
Angle Left Turn (Frontal)	1.9%	1.7%
Angle Other	2.5%	1.1%
Angle 90 Degree	6.5%	4.3%
Side-Swipe Opposite Direction	1.3%	0.4%
Single Vehicle Other	13.8%	28.7%
Unknown	0.5%	0.1%
Head-On	1.8%	3.3%
Backing	0.4%	0.0%
Other	2.0%	1.5%
Pedestrian	0.6%	2.3%
Bicycle	0.2%	0.7%

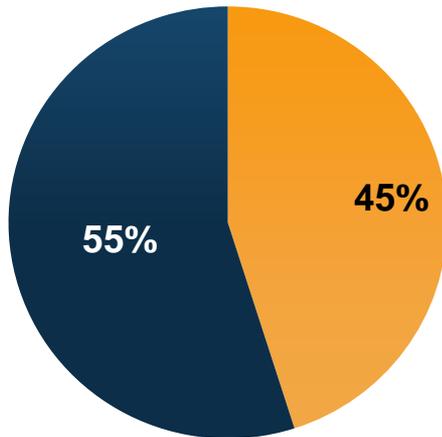
Total and Severe Crashes By At-Fault Driver Age



Total and Severe Crashes

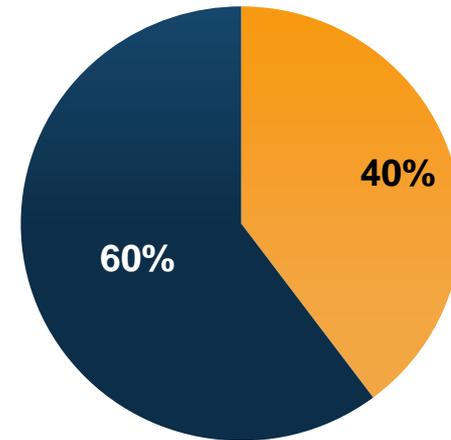
By At-Fault Driver Gender, 2010 to 2014

Total Crashes



Female Male

Severe Crashes

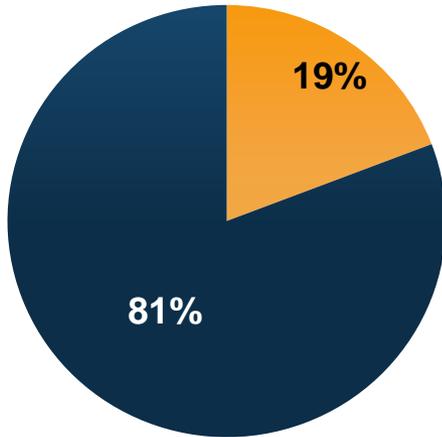


Female Male

Crashes by Urban/Rural Geography

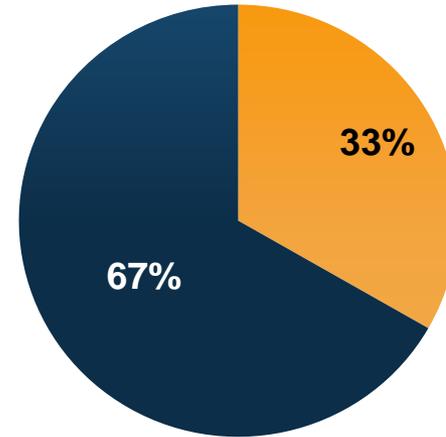
2010 to 2014

Total Crashes



■ Rural ■ Urban

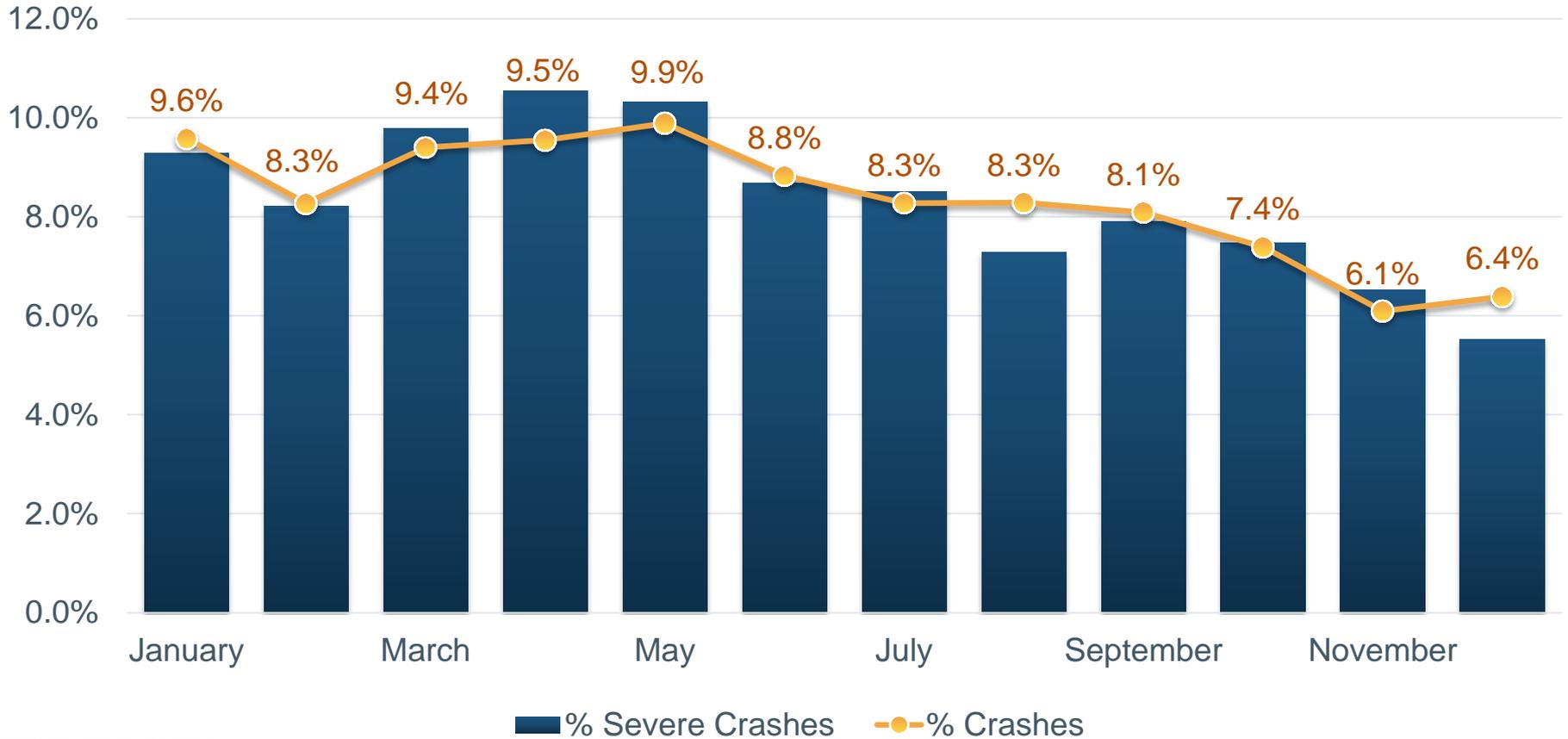
Severe Crashes



■ Rural ■ Urban

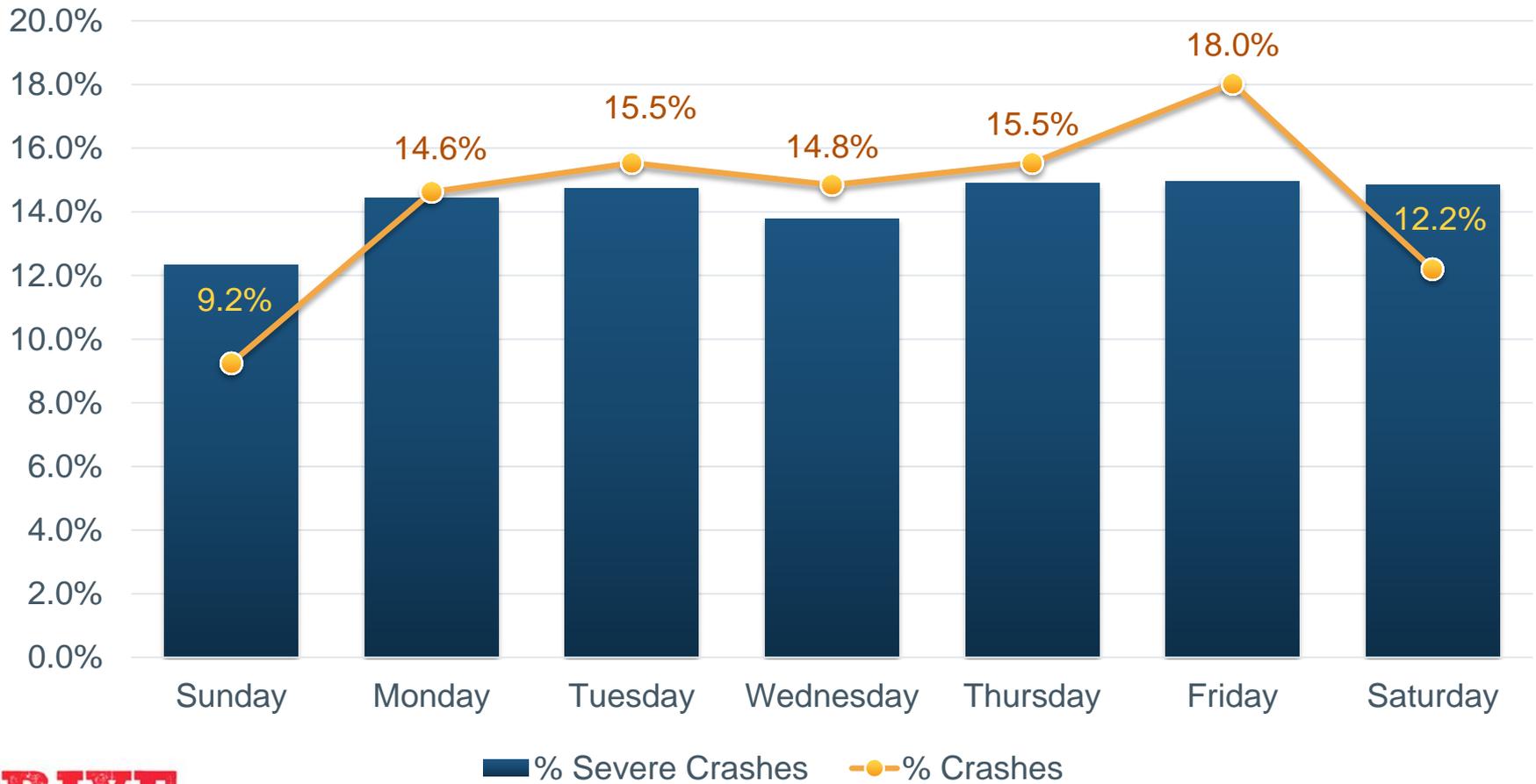
Total and Severe Crashes

By Month, 2010 to 2014



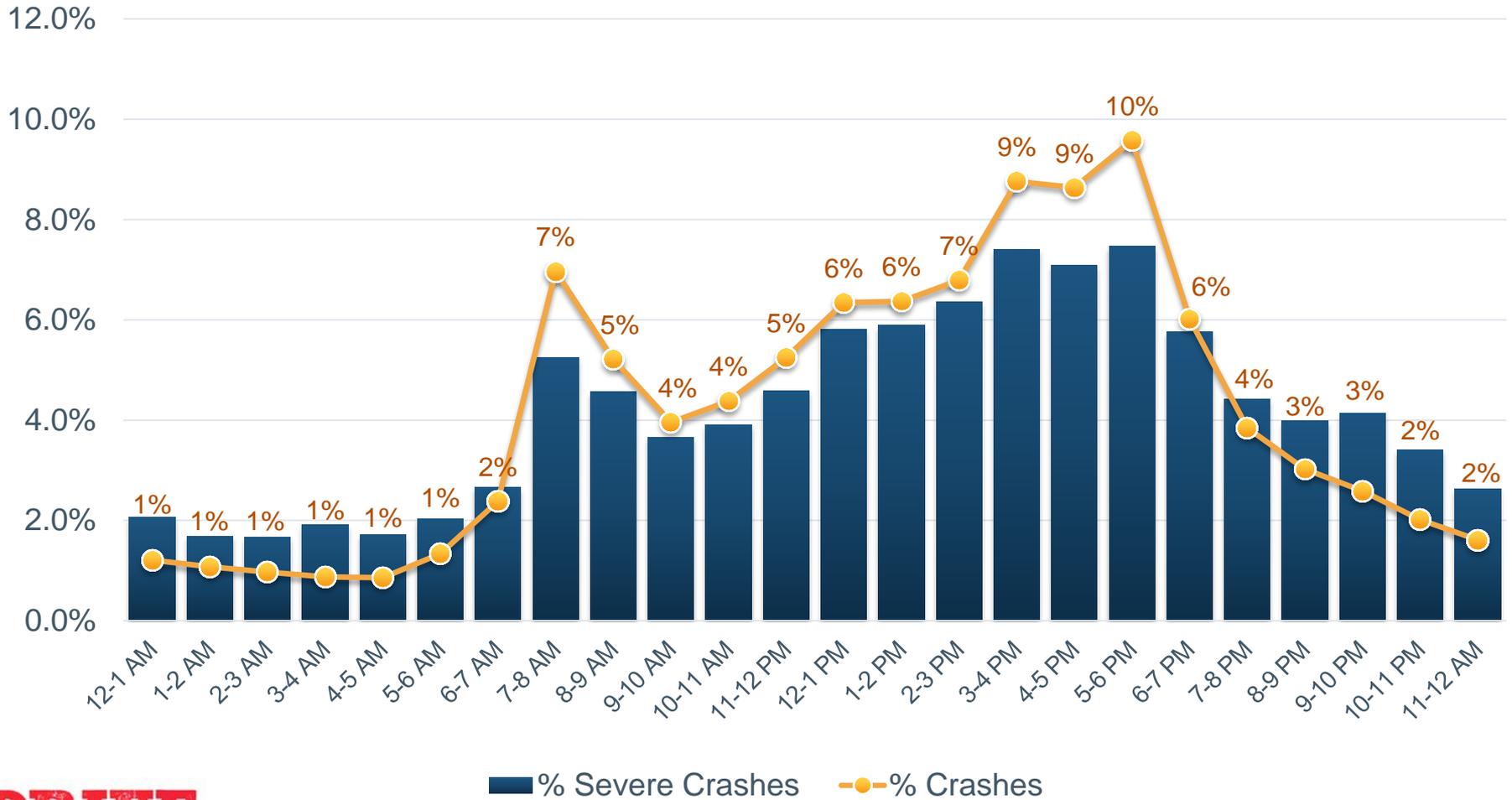
Total and Severe Crashes

By Day of Week, 2010 to 2014



Total and Severe Crashes

By Time of Day, 2010 to 2014



EFFECTIVE PROGRAMS AND STRATEGIES

Sources for Effective Strategies

- Countermeasures That Work – A Highway Safety Guide for State Highway Safety Offices
- NCHRP Report 500 Series
- FHWA Office of Safety Proven Countermeasures
- NCHRP Report 622 – Effectiveness of Behavioral Safety Countermeasures
- Substance Abuse and Mental Health Administration's National Registry of Evidence-Based Programs
- Crash Modification Clearinghouse

KEY STAKEHOLDERS

Safety Stakeholders

▶ 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

4 Es

Who's Missing?

NEXT STEPS & ACTION ITEMS

Next Steps

- Recruit additional stakeholders
- Identify date/location for Coalition Meeting #2
 - » Review additional data
 - » Select Emphasis Areas
- Develop Emphasis Area Action Plans
- Finalize Regional Safety Action Plan

Options to Select Emphasis Areas

- Select emphasis are by percent of problem
- Use some combination of grouped emphasis areas
- Tiered approach – emphasis areas and topics for consideration
- Retain 2012 Alabama SHSP emphasis areas
 - » Driver behavioral crashes
 - » Infrastructure countermeasures
 - » Legislative initiatives
 - » Traffic safety information systems

Action Items

- Next meeting date?
- Assignments to invite additional stakeholders

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