

TARCOG Safety Coalition
*Regional Safety Action Plan
Development Meeting #1*



presented to
**Alabama Department
of Transportation**

presented by
Cambridge Systematics, Inc.



July 14, 2015

Agenda

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



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Introductions

- ④ Name
- ④ Agency/Organization
- ④ How you hope to improve transportation safety in the TARCOG region?



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Purpose and Need

- ④ States should update SHSPs every five years
- ④ States should consider additional safety factors (e.g., RSA findings, rural roads, bicyclists, and pedestrians, etc.)
- ④ Include state's definition of High Risk Rural Roads
- ④ Include strategies to address older driver and pedestrian safety, if there has been an increase fatalities and serious injuries to older drivers and pedestrians
- ④ States must evaluate their SHSP on a regular basis



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SHSP Features

- ④ Consultative with multidisciplinary groups/agencies
- ④ Coordination
- ④ Data-driven problem identification
- ④ A performance-based approach
- ④ Use of proven effective strategies and countermeasure
- ④ Addressing 4 Es when determining highway safety strategies



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Benefits - *Join the Journey!*

- ④ Safer Roads and Streets
- ④ Increased Public Support
- ④ Access to Data and Expertise
- ④ Potential Funding Eligibility
- ④ Capacity Building
- ④ Networking
- ④ And, More!



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ALABAMA SHSP UPDATE AND REGIONAL SAFETY PLAN DEVELOPMENT PROCESS



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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



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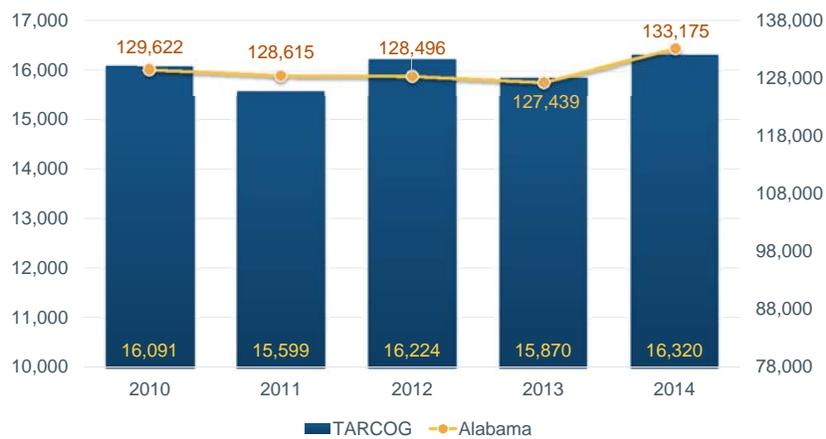


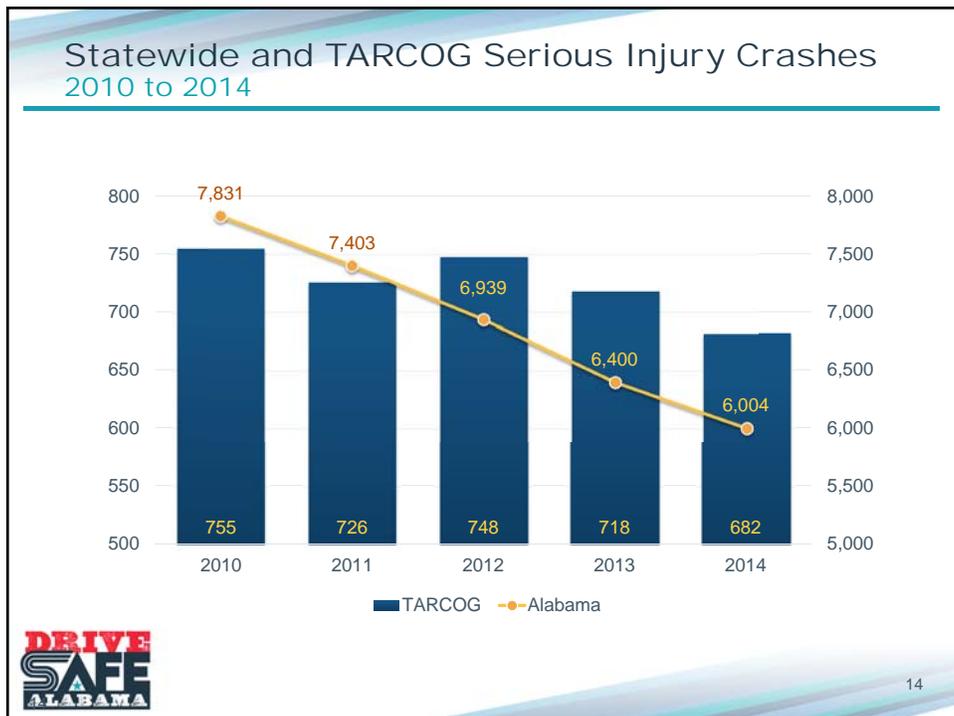
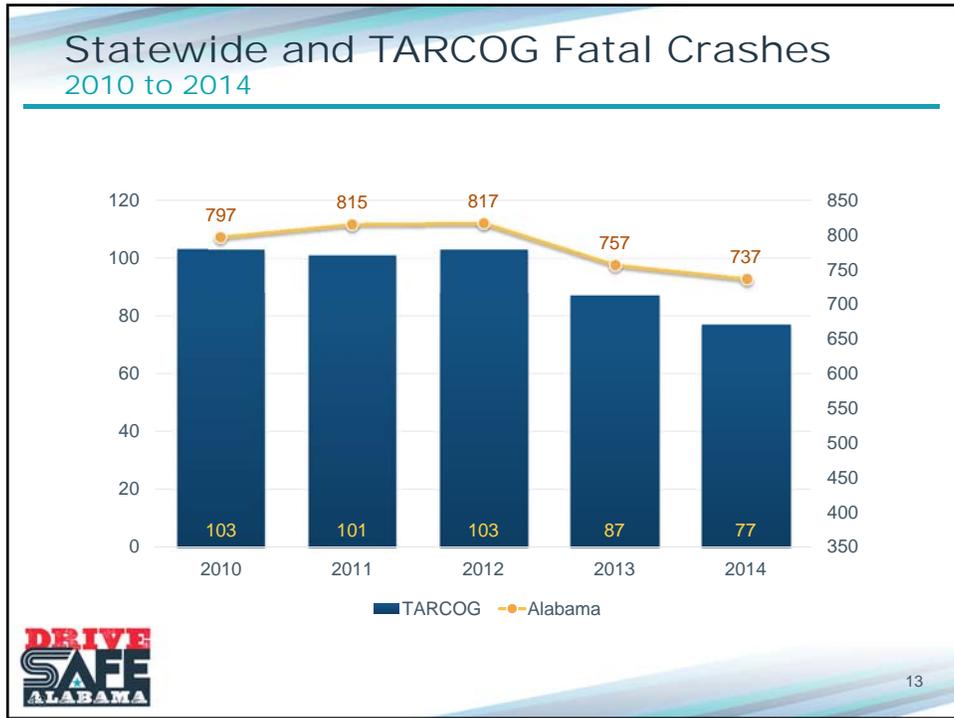
Questions for Consideration

- ④ In what specific area/mode/population is transportation safety a concern?
- ④ What transportation safety concerns have been raised by the public?
- ④ What are your ideas for safety solutions?



Statewide and TARCOG Crashes 2010 to 2014





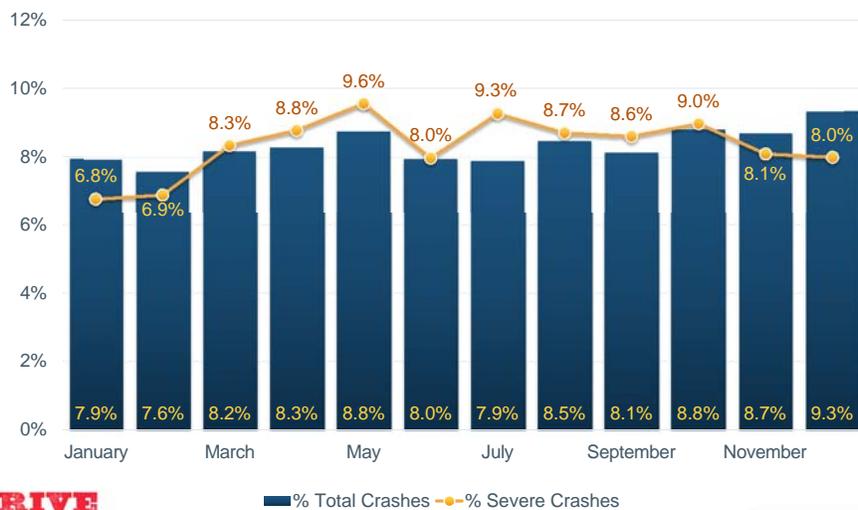
Percent of All Crashes and Serious Crashes By Type, 2010 to 2014

Crash Characteristic	Percent of Total Crashes	Percent of Fatal Crashes	Percent of Serious Injury Crashes
Single Vehicle Crash (RD)	19%	43%	39%
Side Impact (90 degrees)	11%	13%	15%
Head-On (front to front only)	2%	11%	6%
Rear End (front to rear)	36%	7%	14%
Side Impact (angled)	8%	6%	6%
Other	2%	5%	2%
Angle Oncoming (frontal)	3%	4%	4%
Angle (front to side) Opposite Direction	4%	3%	4%
Sideswipe - Same Direction	7%	1%	1%
Sideswipe - Opposite Direction	2%	0%	1%
Angle (front to side) Same Direction	3%	0%	2%
Backing	1%	0%	0%
Unknown	0%	0%	0%

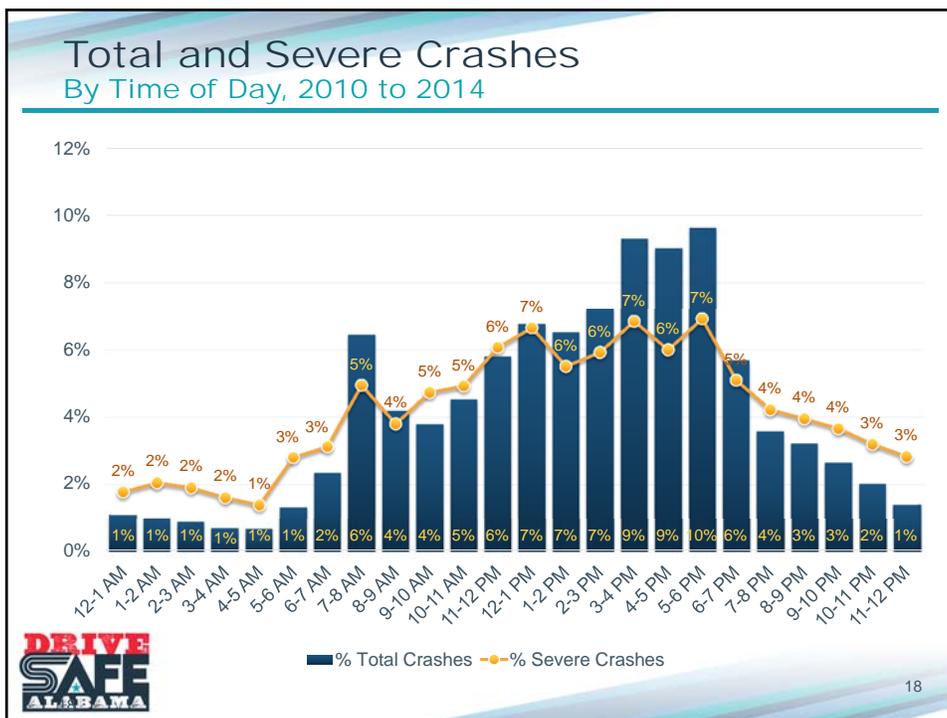
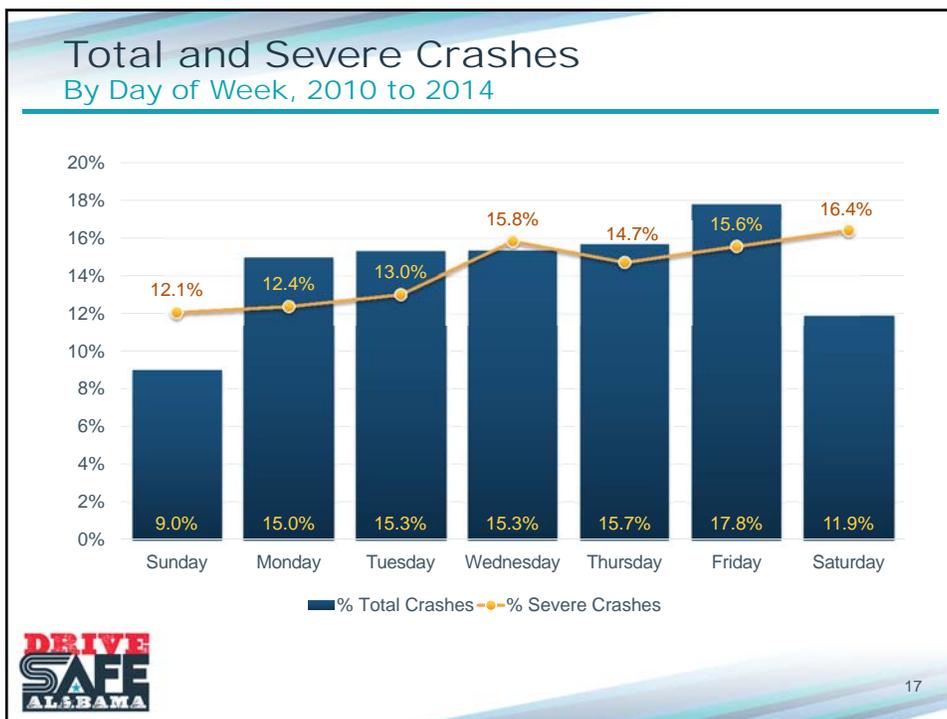


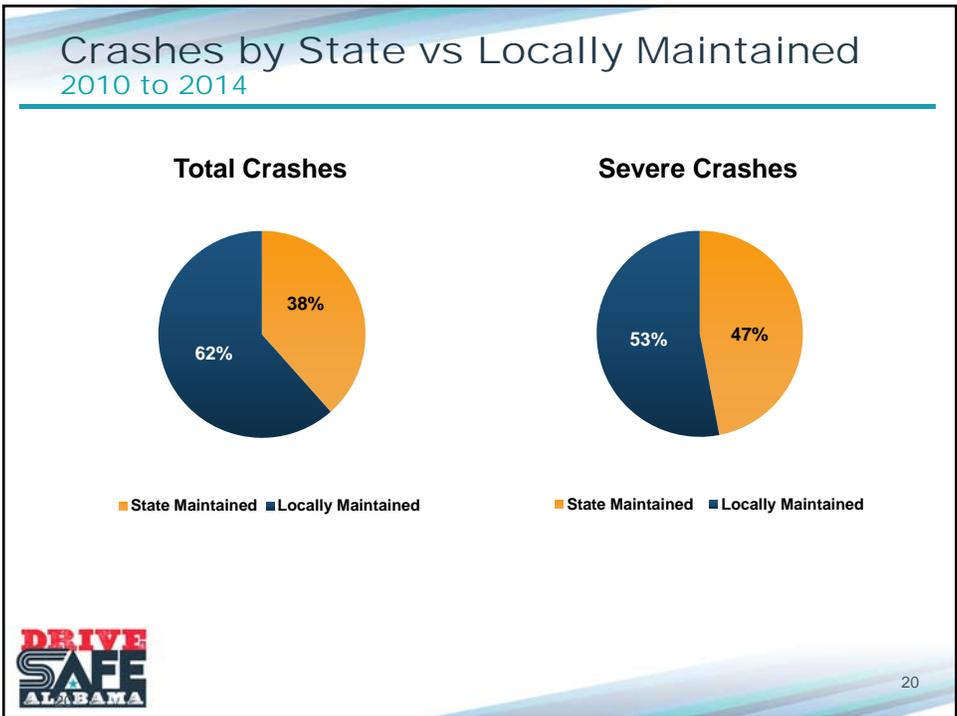
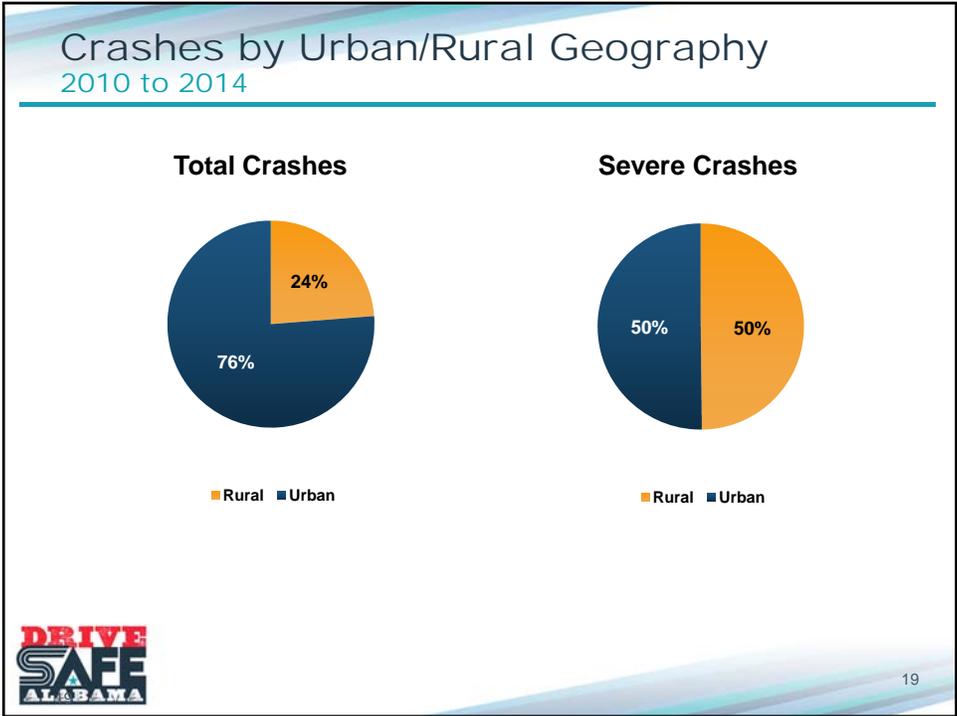
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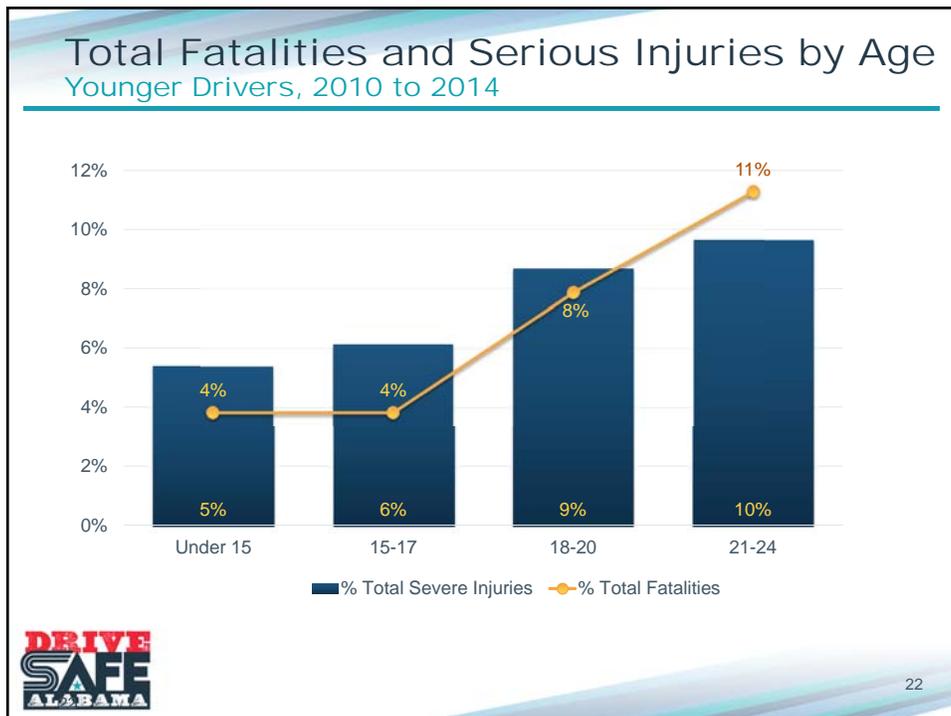
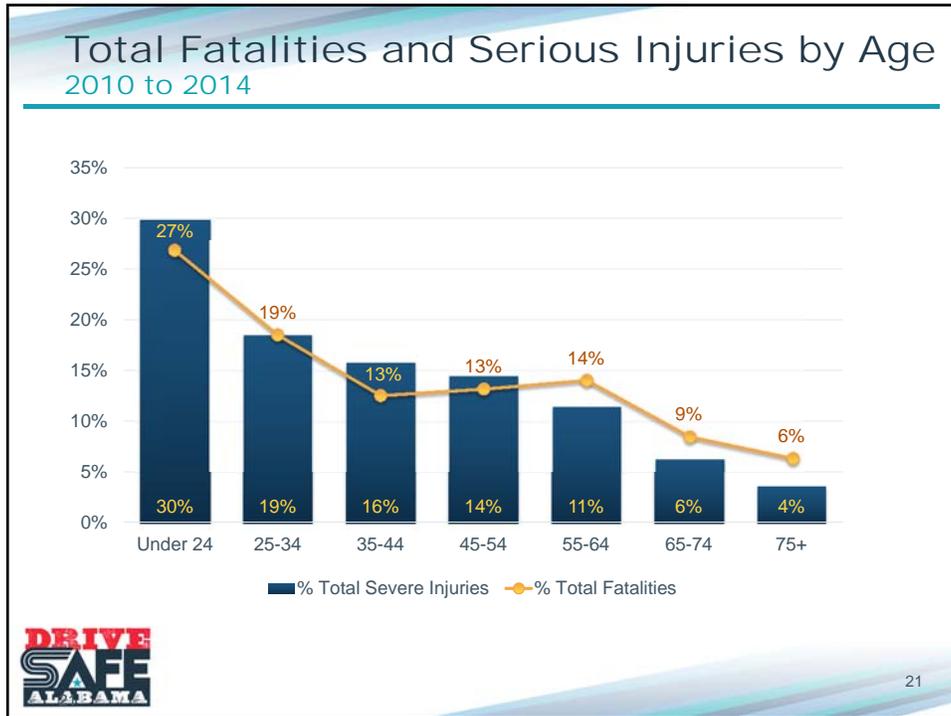
Total and Severe Crashes By Month, 2010 to 2014

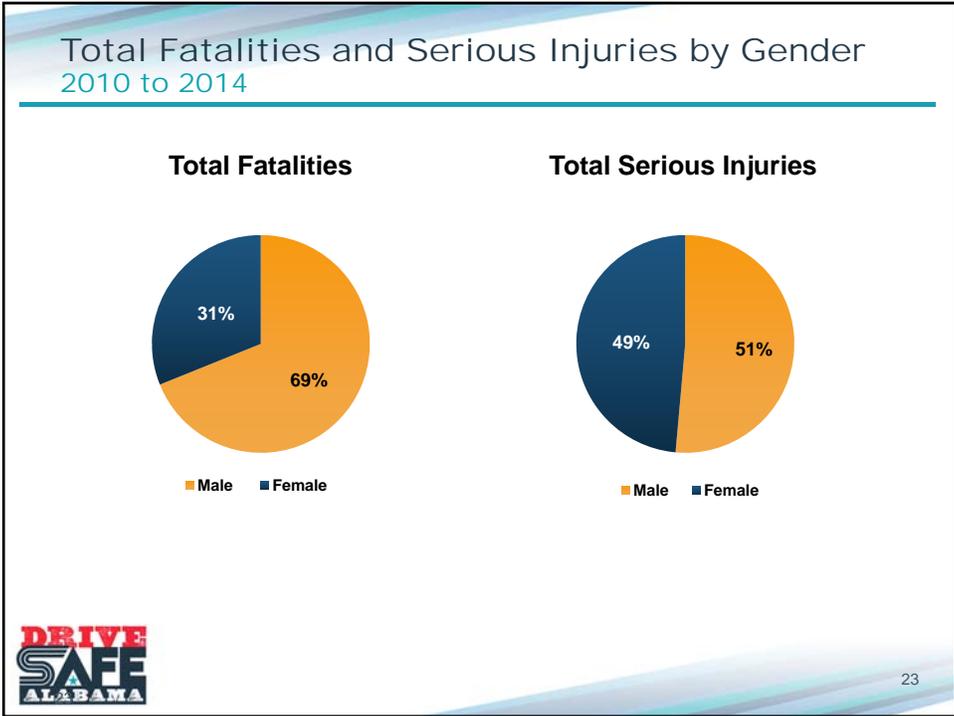


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Emphasis Area Data Fatalities and Serious Injuries, 2010 to 2014

Emphasis Areas	Total Fatalities	Percentage of Total Fatalities	Total Serious Injuries	Percentage of Total Serious Injuries
Aggressive Drivers	266	52%	1,944	41%
Roadway Departure	241	47%	2,009	42%
Younger Driver(15-25)	191	37%	2,046	43%
Intersection	156	31%	2,093	44%
Speeding	156	31%	867	18%
Impaired Driver	127	25%	693	14%
Older Driver (65+)	95	19%	876	18%
Pedestrian	49	10%	144	3%
Unrestrained	48	9%	228	5%
Motorcycles	48	9%	327	7%
CMV	44	9%	174	4%
Distracted Drivers	35	7%	588	12%

DRIVE SAFE ALABAMA

EFFECTIVE PROGRAMS
AND STRATEGIES

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This slide features a blue background with a bokeh effect of light circles. The title 'EFFECTIVE PROGRAMS AND STRATEGIES' is centered in white, bold, sans-serif font. In the bottom left corner is the 'DRIVE SAFE ALABAMA' logo, and in the bottom right corner is the number '25'.

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

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KEY STAKEHOLDERS

**DRIVE
SAFE
ALABAMA**

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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

**DRIVE
SAFE
ALABAMA**

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Who's Missing?



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NEXT STEPS & ACTION ITEMS



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Next Steps

- ④ **Recruit additional stakeholders**
- ④ **Identify date/location for Coalition Meeting #2**
 - » Review additional data
 - » Select Emphasis Areas
- ④ **Develop Emphasis Area Action Plans**
- ④ **Finalize Regional Safety Action Plan**



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Options to Select Emphasis Areas

- ④ **Select emphasis are by percent of problem**
- ④ **Use some combination of grouped emphasis areas**
- ④ **Tiered approach – emphasis areas and topics for consideration**
- ④ **Retain 2012 Alabama SHSP emphasis areas**
 - » Driver behavioral crashes
 - » Infrastructure countermeasures
 - » Legislative initiatives
 - » Traffic safety information systems



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Action Items

- Next meeting date?
- Assignments to invite additional stakeholders



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