

SAFETY PERFORMANCE MANAGEMENT

FEDERAL REQUIREMENT FOR PERFORMANCE BASED PLANNING AND PROGRAMMING

The Moving Ahead for Progress in the 21st Century (MAP-21) Act directed Metropolitan Planning Organizations (MPOs) to develop a Performance-Based Planning and Programming approach. The objective of this performance- and outcome-based program is for States and MPOs to invest resources in projects that collectively will make progress toward the achievement of the national goals through the establishment of targets in key performance areas. These requirements have been continued under the current transportation funding law, Fixing America's Surface Transportation (FAST) Act.

NATIONAL SAFETY PERFORMANCE GOAL
**TO ACHIEVE A SIGNIFICANT REDUCTION IN TRAFFIC FATALITIES
AND SERIOUS INJURIES ON ALL PUBLIC ROADS.**

PERFORMANCE MEASURES AND TARGETS

Working collectively MPOs and State Departments of Transportation (DOTs) are required to establish performance targets for each applicable measure established by federal legislation. A measure is a statement of what is being assessed, and a target is a quantifiable level of performance or what you hope to achieve within an identified time period. The Safety Performance Management regulations supports the Highway Safety Improvement Program (HSIP) and requires State DOTs and MPOs to establish Safety targets for 5 performance measures.

1. Number of Fatalities
2. Rate of Fatalities per 100 million Vehicle Miles Traveled (VMT)
3. Number of Serious Injuries
4. Rate of Serious Injuries per 100 million VMT
5. Number of Non-motorized Fatalities and Non-motorized Serious Injuries

2014-2018 MISSISSIPPI SAFETY TARGETS	
Measure	Target
Number of Fatalities	677.8
Rate of Fatalities per 100 million VMT	1.668
Number of Serious Injuries	574.4
Rate of Serious Injuries per 100 million VMT	1.425
Number of Non-motorized Fatalities and Non-motorized Serious Injuries	119.8

Source: MS Highway Safety Improvement Program 2017 Annual Report

THE DATA

On average, 10% of all automobile related fatalities in Mississippi occur in the Jackson MPO area with an average of 61 fatalities occurring annually on local roadways. 8% of all automobile crashes that result in serious injuries in Mississippi occur in the Jackson MPO area with 48 people seriously injured on average annually. In comparison, while the total number of non-motorized fatalities is significantly less than fatalities resulting from automobile crashes, the percentage of non-motorized fatalities occurring in the Jackson MPO area is slightly higher with an annual average of 19% of all non-motorized fatalities in Mississippi occurring in the Jackson MPO area.

FATALITIES						
	2012	2013	2014	2015	2016	5-year Avg.
Mississippi	582	613	607	677	690	633.8
Jackson MPO	52	49	55	71	76	60.6

FATALITY RATE PER 100 MILLION VMT						
	2012	2013	2014	2015	2016	5-year Avg.
Mississippi	1.510	1.580	1.540	1.700	1.700	1.606
Jackson MPO	0.504	0.439	0.547	0.844	0.971	0.661

SERIOUS INJURIES						
	2012	2013	2014	2015	2016	5-year Avg.
Mississippi	631	568	506	506	627	567.6
Jackson MPO	53	51	41	46	47	47.6

SERIOUS INJURY RATE PER 100 MILLION VMT						
	2012	2013	2014	2015	2016	5-year Avg.
Mississippi	1.636	1.465	1.281	1.269	1.543	1.439
Jackson MPO	0.520	0.480	0.300	0.350	0.370	0.405

NON-MOTORIZED FATALITIES						
	2012	2013	2014	2015	2016	5-year Avg.
Mississippi	55	59	60	68	71	62.6
Jackson MPO	7	14	11	15	11	11.6

NON-MOTORIZED SERIOUS INJURIES						
	2012	2013	2014	2015	2016	5-year Avg.
Mississippi	49	47	47	42	61	49.2
Jackson MPO	7	6	9	7	9	7.6

Source: Fatality Analysis Reporting System (FARS) and MS Department of Transportation's (MDOT) Safety Analysis Management System (SAMS)