



NORTHEAST ARKANSAS
REGIONAL TRANSPORTATION
PLANNING COMMISSION

Performance Measures: **Safety**

Why We Measure

The Northeast Arkansas Regional Transportation Planning Commission (N.A.R.T.P.C.) is the designated metropolitan planning organization (MPO) for the cities of Bay, Bono, Brookland, Jonesboro, and some unincorporated portions of Craighead County. To help advance local safety efforts, the N.A.R.T.P.C. routinely collects and analyzes available crash data for the MPO area from the National Highway Traffic Safety Administration (NHTSA) Fatal Analysis Reporting System (FARS) in order to monitor existing crash conditions within the region and make recommendations for safety improvement projects. The FARS data, supplied by the Arkansas Department of Transportation (ARDOT) eCrash database, reflects statewide crash findings provided from crash reports obtained from local municipalities through the Arkansas State Police.

What We Measure

The N.A.R.T.P.C. is in support of the safety targets set by the Federal Highway Administration (FHWA) for the Arkansas Department of Transportation (ARDOT) to significantly reduce the annual number of roadway and non-motorized crashes resulting in fatality and/or serious injury throughout the state.

How We Measure

In order to measure Safety Performance, the FHWA has identified five measures (**listed in right column**). Annual performance targets are to be established by state departments of transportation and mpos for each measure.¹ The targets are developed by determining the five-year average of all motor vehicle crashes for the given five measures during each calendar year. The results of those findings, referred to as **rolling averages**, are then used to calculate a single, overall average. This average serves as the target number for each of the **five presented safety measures**².

How We Serve

The purpose of the N.A.R.T.P.C. to prepare consensus-driven, fiscally-constrained plans for the development of a *safe, efficient* and *affordable* regional transportation system.

Federal Safety Measures

- **Number of fatalities:** The total number of persons (per state and/or MPO area) suffering fatal injuries in a motor vehicle crash during a calendar year.
- **Rate of fatalities per 100 million vehicle miles traveled (VMT):** The ratio of the total number of fatalities to the number of vehicle miles traveled (VMT expressed in 100 Million VMT) in a calendar year.
- **Number of serious injuries:** The total number of persons (per state and/or MPO area) suffering at least one serious injury in a motor vehicle crash during a calendar year.
- **Rate of serious injuries per 100 million VMT:** The ratio of total number of serious injuries to the number of VMT (VMT expressed in 100 Million VMT) in a calendar year.
- **Number of non-motorized fatalities & serious injuries:** The combined total number (per state and/or MPO area) of non-motorized fatalities & non-motorized serious injuries involving a motor vehicle during a calendar year.

¹ Federal Highway Administration: https://safety.fhwa.dot.gov/hsip/spm/state_safety_targets/

² Arkansas Department of Transportation: http://ardot.gov/Trans_Plan_Policy/traffic_safety/traffic_safety.aspx



Performance Measures: **Safety**

Performance Targets-State of Arkansas

The following chart reflects the **Highway Safety Improvement Program (HSIP) Safety Targets set by ArDOT for 2018 and 2019.**

**Please note that adjustments has been applied to the performance targets displayed in the chart due to factors that include, but are not limited to, the legalization of medical marijuana, increases in highway speed limits, updates to serious injury definition, increased vehicle miles travelled, and increase in statewide crash reporting using eCrash.*

Safety Performance Measures	2018 Adjusted Targets	2019 Adjusted Targets
Number of Fatalities	555	543
Rate of Fatalities per 100 million VMT	1.660	1.615
Number of Serious Injuries	3,470	3,637
Rate of Serious Injuries per 100 million VMT	10.419	10.824
Number of Non-motorized Fatalities & Serious Injuries	149	170

How We Improve

- Partner with law enforcement, local governments, federal agencies and the public to administer comprehensive safety education/training
- Select/Implement multimodal infrastructure improvement projects for local roads

Quick Facts³

- Between 2012 and 2017, the total number of vehicle crashes in Craighead County **increased by 35%.**
- In 2017, Craighead County experienced **17 fatalities** and **72 serious injuries** as a result of a vehicle crash.
- In 2017, Craighead County experienced **27 vehicle collisions** involving a **pedestrian** or **pedalcyclist.**
- ❖ A “pedalcyclist” is defined as a bicyclist or other cyclist or riders of two-wheel, non-motorized vehicles, tricycles, & unicycles powered by pedals.⁴

In 2018, the MPO developed the **Move Safe Action Plan**, which provides an assessment of critical corridors within the region with recommendations to help reduce the number of fatal and serious injury crashes within the region. To access the plan, please visit: <https://www.jonesboro.org/DocumentCenter/View/5261/Safety-Action-Plan-2018>

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<http://www.jonesboro.org/191/Metropolitan-Planning-Organization>

³ Arkansas Department of Transportation eCrash System

⁴ National Highway Traffic Safety Administration:

<https://crashstats.nhtsa.dot.gov/Api/Public/ViewPublication/812151>