

# Appendix A: NCDOT Performance Measures and Performance Targets Data

NCDOT Safety Performance Targets ..... A2

**Table A-1:** NCDOT 2018 Highway Safety Improvement Program (HSIP)  
Safety Measures..... A3

**Table A-2:** NCDOT 2018 Highway Safety Improvement Program (HSIP)  
Safety Targets ..... A3

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## NCDOT Safety Performance Targets

### Background

#### Target Reporting Dates:

- State: August 31st with annual HSIP report
- MPOs: February 27th

#### How are targets set?

- Up to each State and MPO
  - MPO can adopt State methodology, or come up with their own

#### Assessment of Significant Progress

- FHWA will determine whether a State DOT has met or made significant progress toward meeting HSIP targets
- FHWA will not directly assess MPO progress towards meeting HSIP targets

### State Safety Performance Targets

**Goal:** Reduce fatalities and serious injuries by 2030

**Target:** Where do we need to be in 2018 (current target setting year) to reach this goal by 2030?

- 5 year rolling average of fatalities in 2013 = 1,290
- To reduce fatalities by 50% in 2030 = 645
- 5 year rolling average of fatalities in 2016 = 1,340.6

Baseline 2012-2016	$1,340.6 \times (1 + -0.0510)^0$	=	1,340.6
2017	$1,340.6 \times (1 + -0.0510)^1$	=	1,272.2
<b>2018 Fatality Target</b>	<b><math>1,340.6 \times (1 + -0.0510)^2</math></b>	=	<b>1,207.3</b>

### Resources

Metropolitan Planning Organization Safety Performance Measures Fact Sheet

[https://safety.fhwa.dot.gov/hsip/spm/docs/mpo\\_factsheet.pdf](https://safety.fhwa.dot.gov/hsip/spm/docs/mpo_factsheet.pdf)

FHWA Safety Target Setting Resources

[https://safety.fhwa.dot.gov/hsip/spm/target-setting\\_resources.cfm](https://safety.fhwa.dot.gov/hsip/spm/target-setting_resources.cfm)

North Carolina Strategic Highway Safety Plan

<http://ncshsp.org/>

MPO / RPO Crash Data

<https://connect.ncdot.gov/resources/safety/Pages/Crash-Data.aspx>

**Table A-1: NCDOT 2018 Highway Safety Improvement Program (HSIP) Safety Measures**

SAFETY PERFORMANCE MEASURES					
YEAR	FATALITIES	FATALITY RATE	SERIOUS INJURIES	SERIOUS INJURY RATE	NON-MOTORIZED FATALITIES AND SERIOUS INJURIES
2008	1,428	1.407	2,773	2.733	428
2009	1,313	1.280	2,480	2.417	358
2010	1,320	1.289	2,281	2.228	399
2011	1,230	1.186	2,368	2.283	405
2012	1,299	1.243	2,279	2.182	472
2013	1,290	1.227	2,117	2.013	406
2014	1,284	1.188	2,194	2.031	411
2015	1,379	1.233	2,422	2.165	437
2016	1,451	1.246	2,987	2.565	468

Source: NCDOT (2018 Safety Data)

**Table A-2: NCDOT 2018 Highway Safety Improvement Program (HSIP) Safety Targets**

TARGET SETTING CRASH DATA AND 2018 TARGETS					
YEAR	FATALITIES (5 YEAR AVERAGE)	FATALITY RATE (5 YEAR AVERAGE)	SERIOUS INJURIES (5 YEAR AVERAGE)	SERIOUS INJURY RATE (5 YEAR AVERAGE)	NON-MOTORIZED FATALITIES AND SERIOUS INJURIES (5 YEAR AVERAGE)
2008 - 2012	1,318	1.281	2,436	2.369	412
2009 - 2013	1,290	1.245	2,305	2.225	408
2010 - 2014	1,285	1.227	2,248	2.147	419
2011 - 2015	1,296	1.215	2,276	2.135	426
2012 - 2016	1,341	1.228	2,400	2.191	439
<b>2018 Target</b>	<b>1,207.3</b>	<b>1.114</b>	<b>2,161.2</b>	<b>1.988</b>	<b>393.5</b>

Source: NCDOT (2018 Safety Data)