

Consideration of Proposed 2019 Safety Performance Targets

SNHPC TAC Meeting
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Graphs and charts prepared by GIS Analyst Zachary Swick



Federal Legislation Requires Safety Performance Targets

- MAP-21 (Moving Ahead for Progress in the 21st Century Act)—2012.
- FAST Act (Fixing America's Surface Transportation Act)--2014.

Five Federally-required Safety Performance Measures

- Number of Fatalities
- Rate of Fatalities per 100 Million VMT
- Number of Serious Injuries
- Rate of Serious Injuries per 100 Million VMT
- Number of Non-Motorized Fatalities and Non-Motorized Serious Injuries

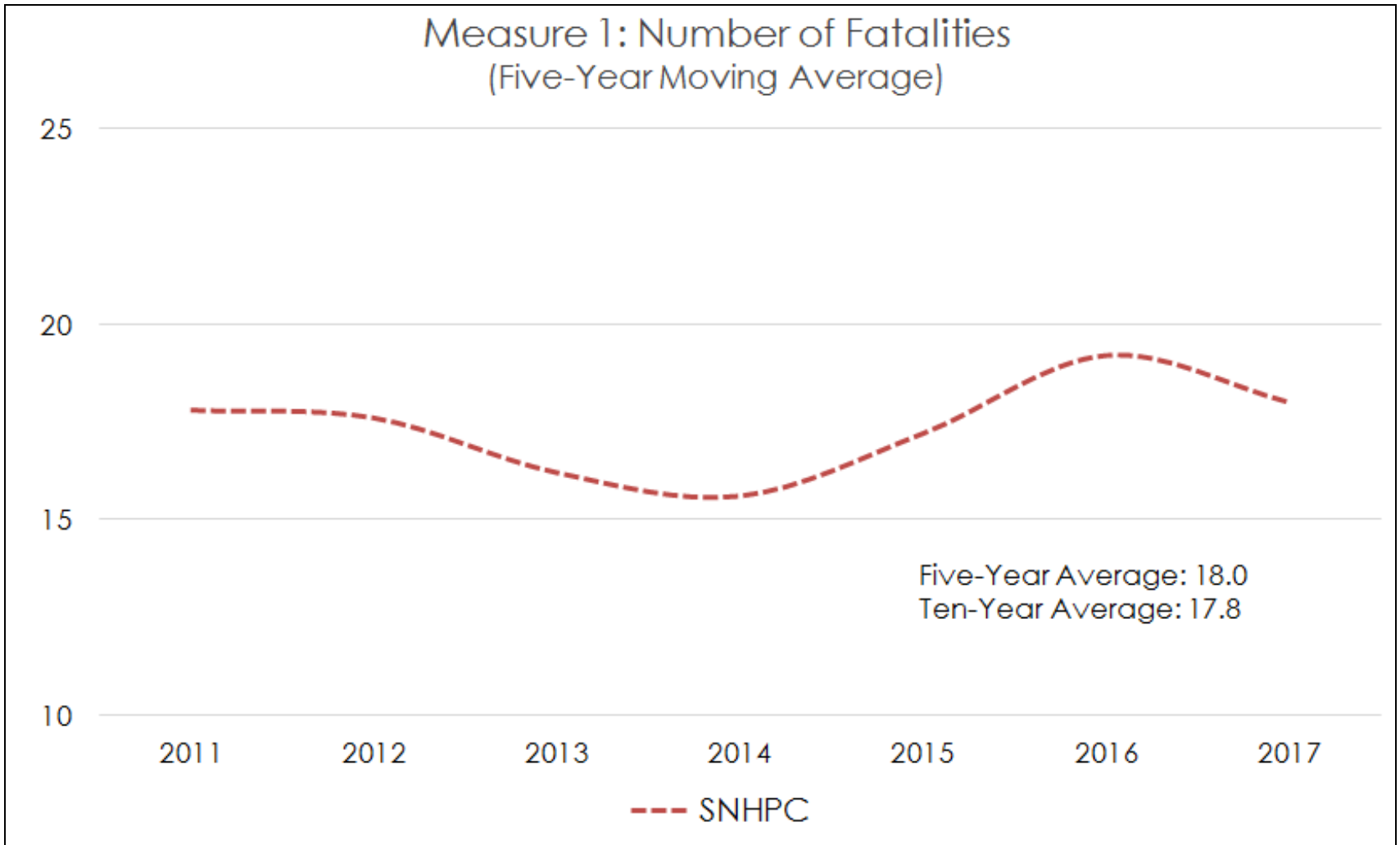
Current SNHPC Safety Targets

- On January 23, 2018, the SNHPC MPO supported the State of New Hampshire's safety performance targets rather than adopting region-specific targets.
- The 2018 targets were based upon the data up to year end of 2016.

	State Target	SNHPC Regional Target
<i>Safety Measure</i>	<i>2018 Target</i>	<i>2018 Target</i>
Number of Fatalities	113.2	Support State Target
Fatality Rate per 100 Million VMT	0.866	Support State Target
Number of Serious Injuries	499.8	Support State Target
Serious Injury Rate per 100 Million VMT	3.847	Support State Target
Non-Motorized Fatalities and Serious Injuries	51.4	Support State Target

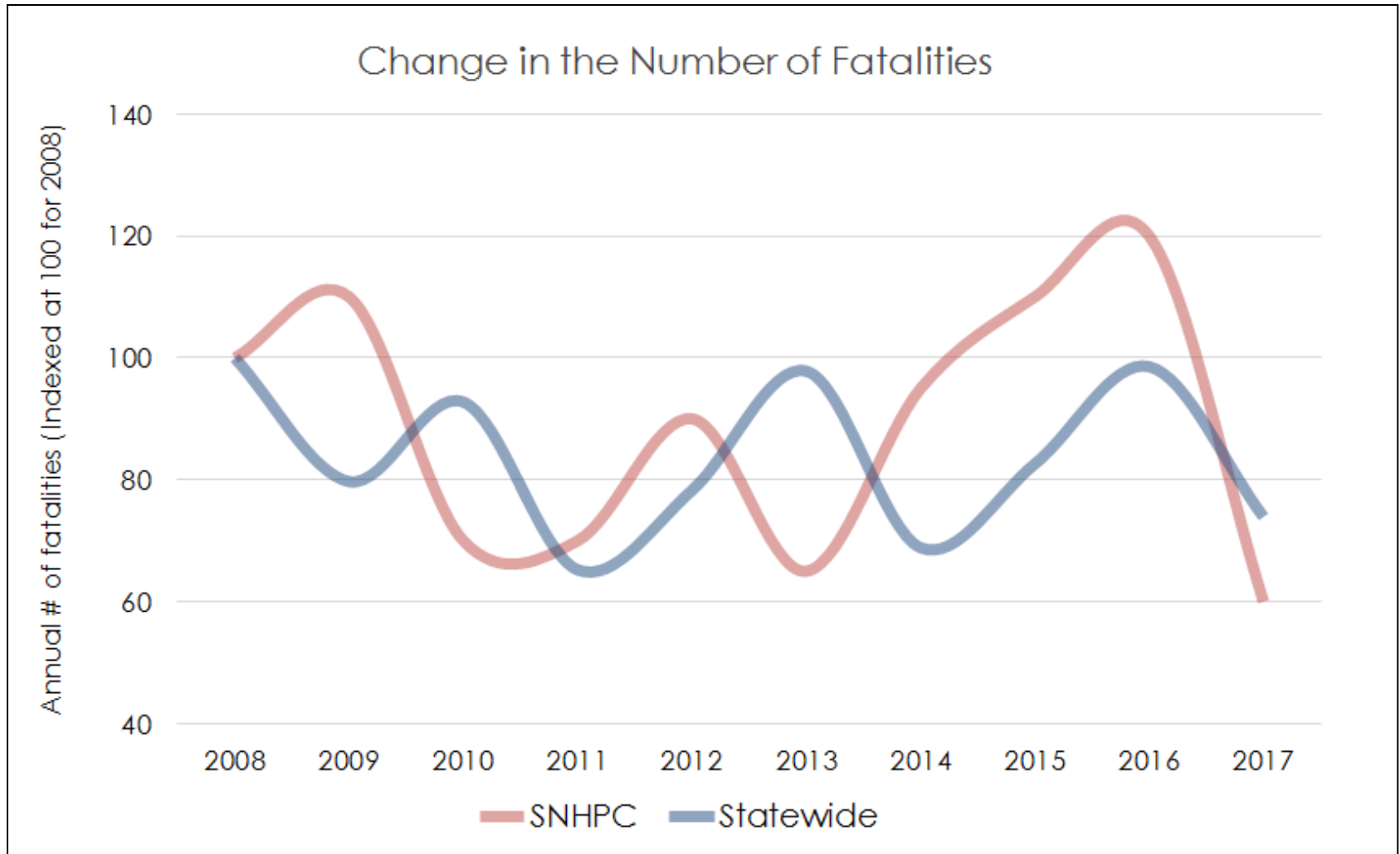
SNHPC Safety Performance (through 2017)

Number of Fatalities



SNHPC Safety Performance (through 2017)

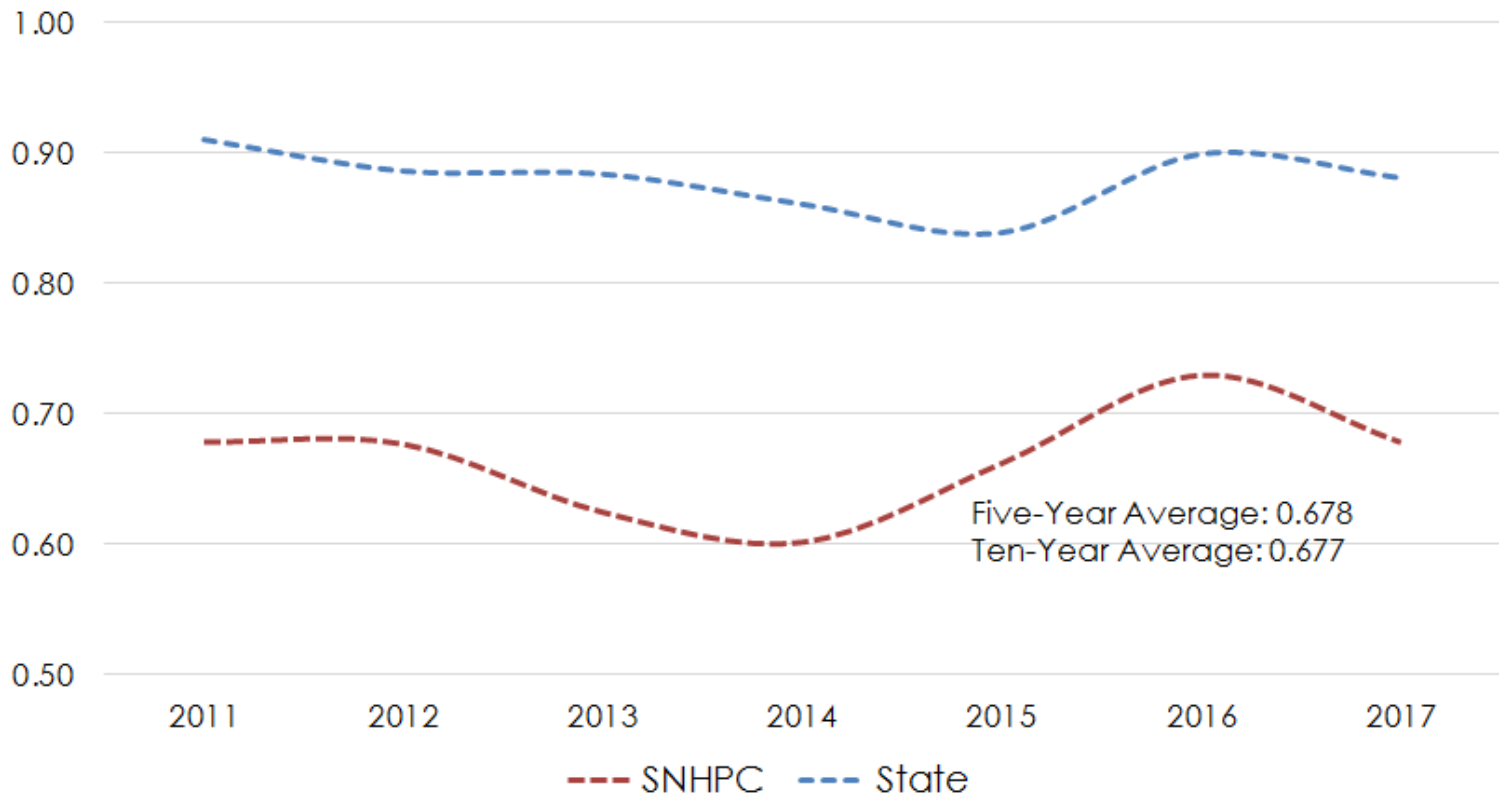
Number of Fatalities



SNHPC Safety Performance (through 2017)

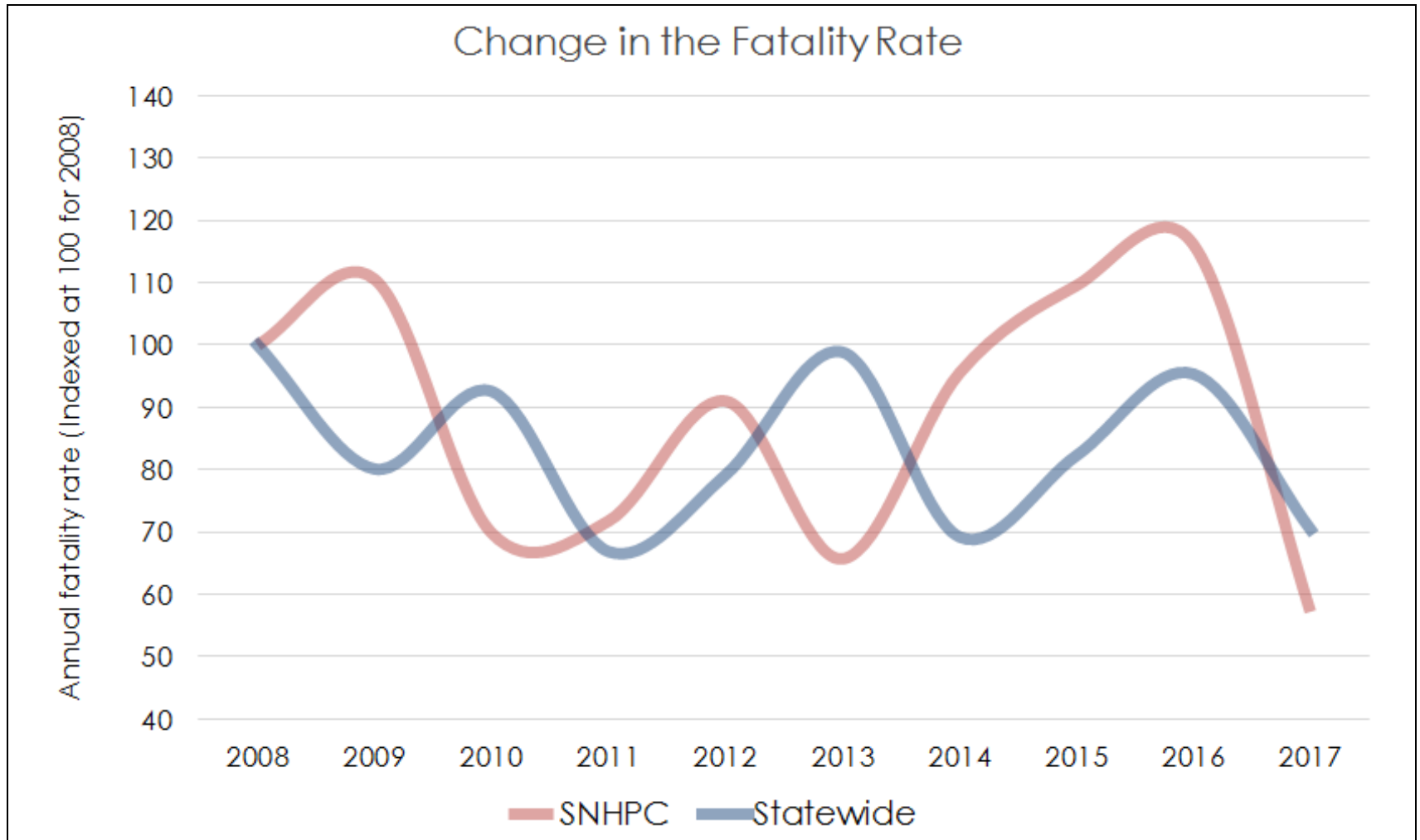
Fatality Rate

Measure 2: Fatality Rate
(Five-Year Moving Average)



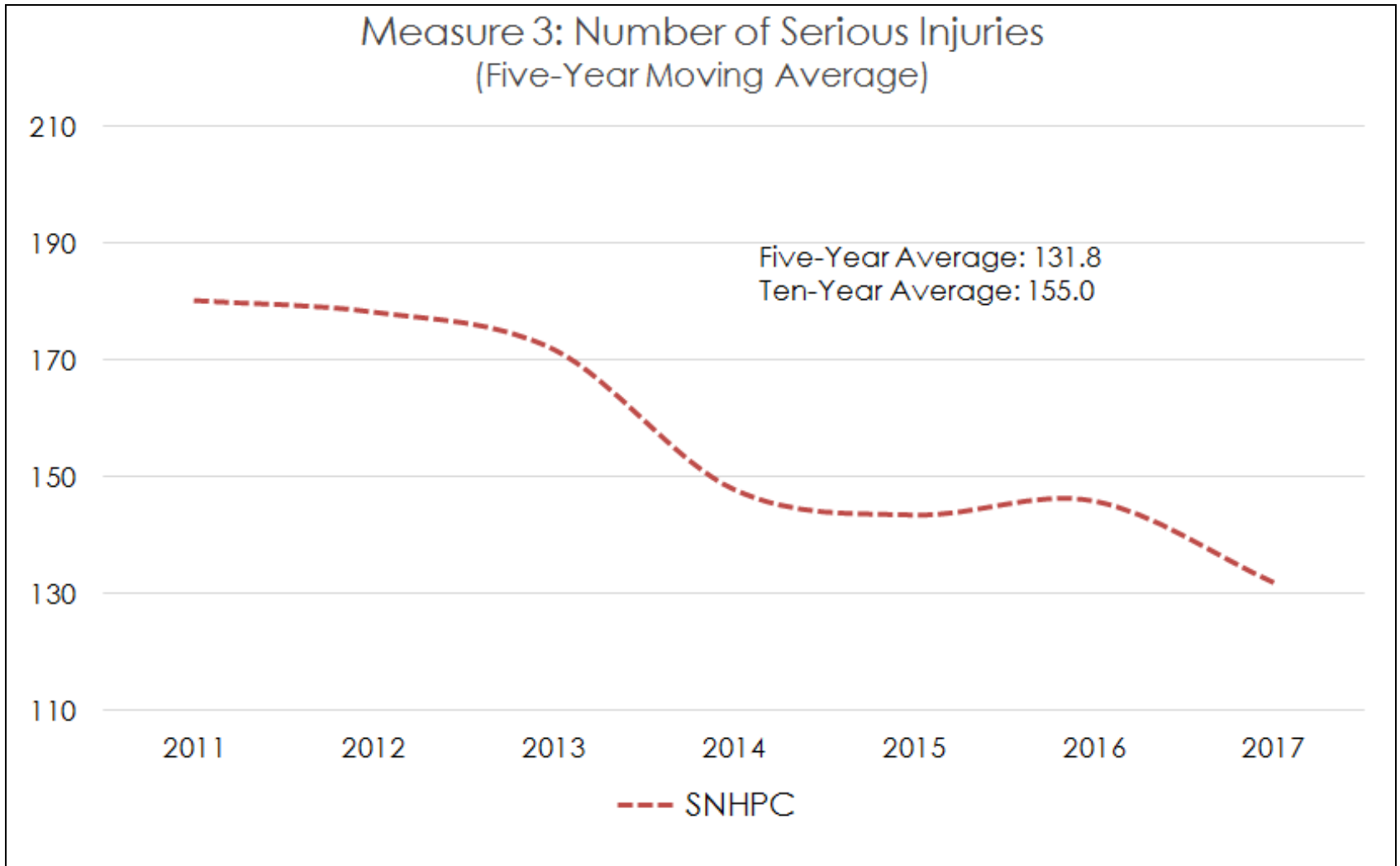
SNHPC Safety Performance (through 2017)

Fatality Rate



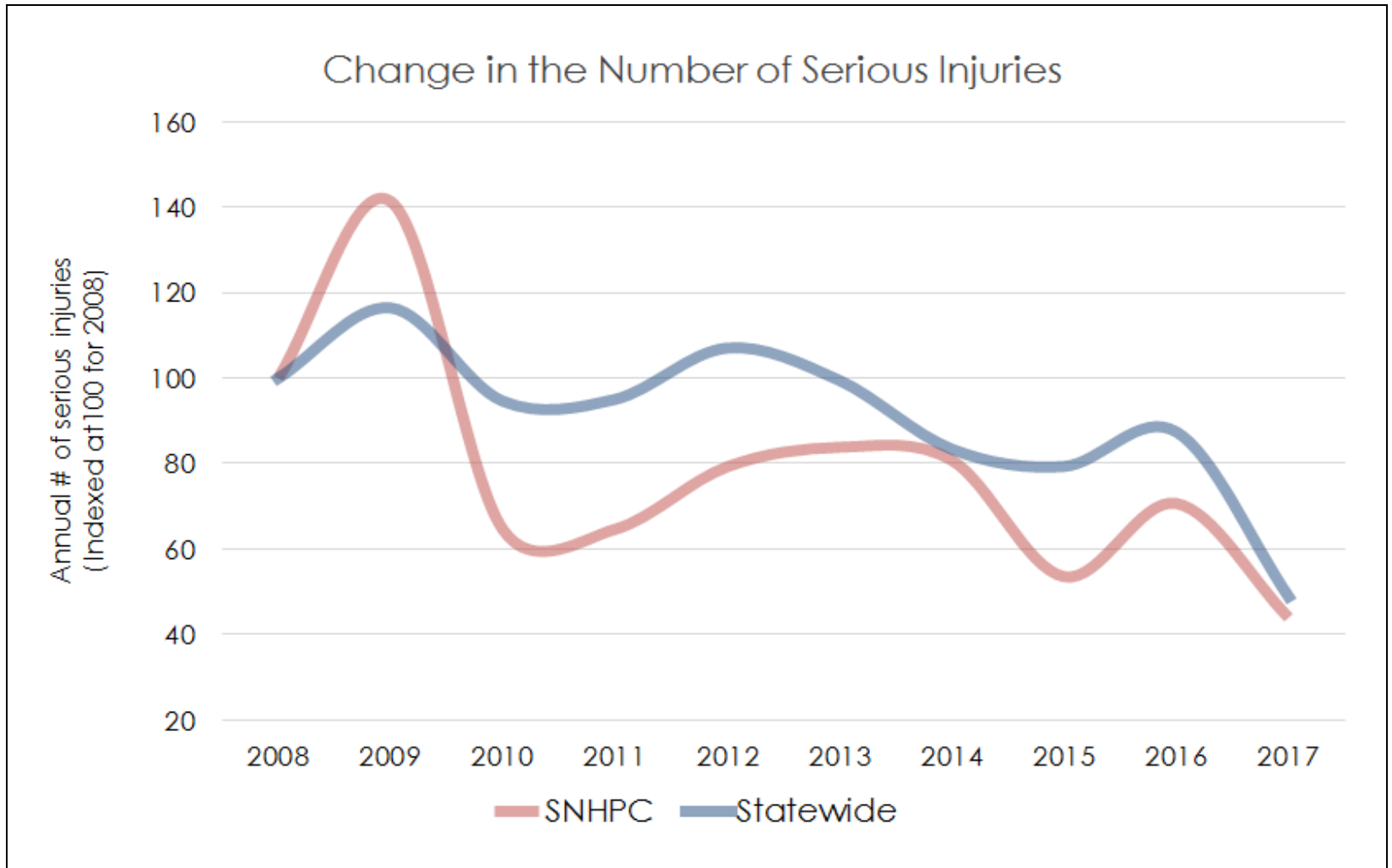
SNHPC Safety Performance (through 2017)

Number of Serious Injuries



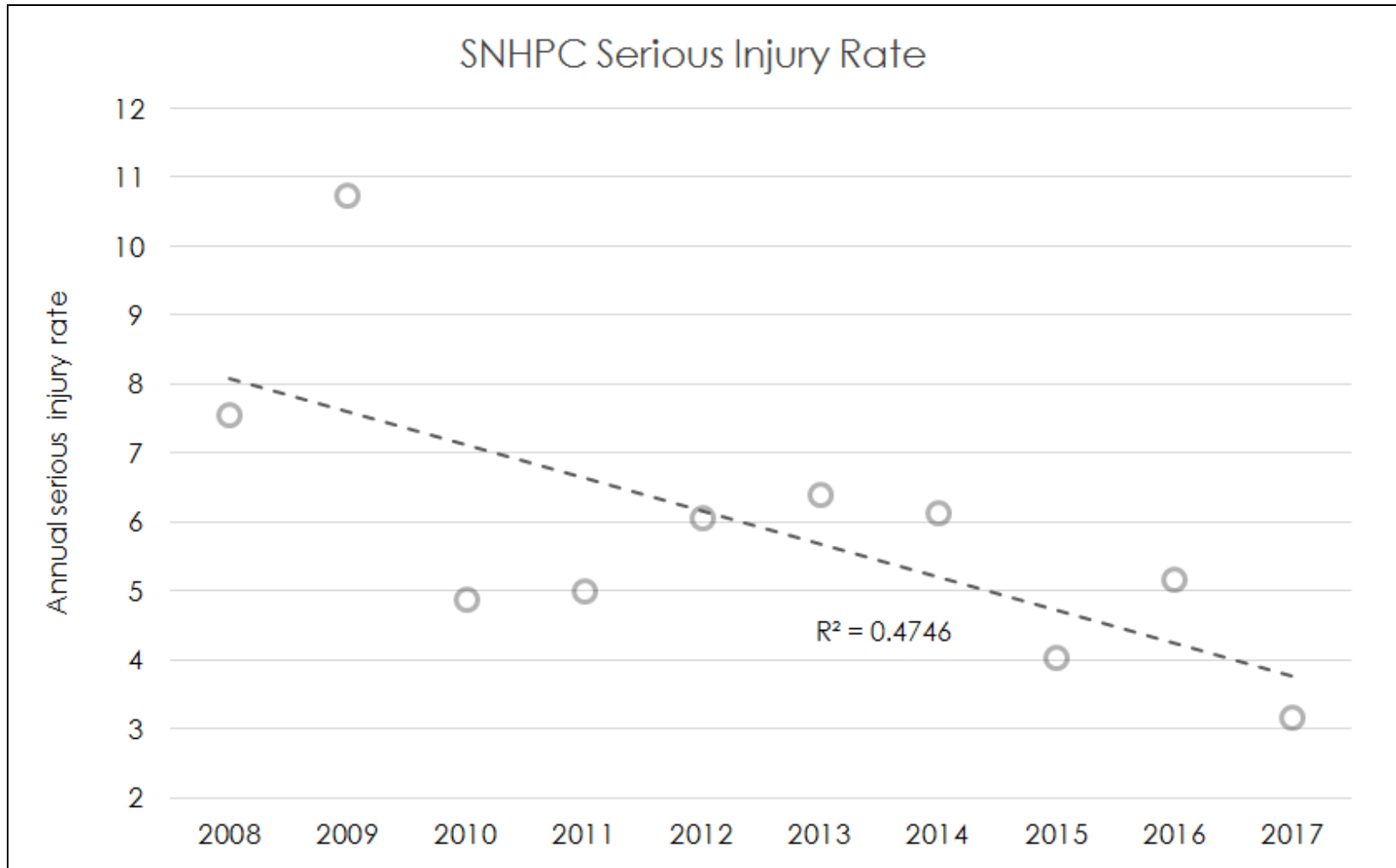
SNHPC Safety Performance (through 2017)

Number of Serious Injuries



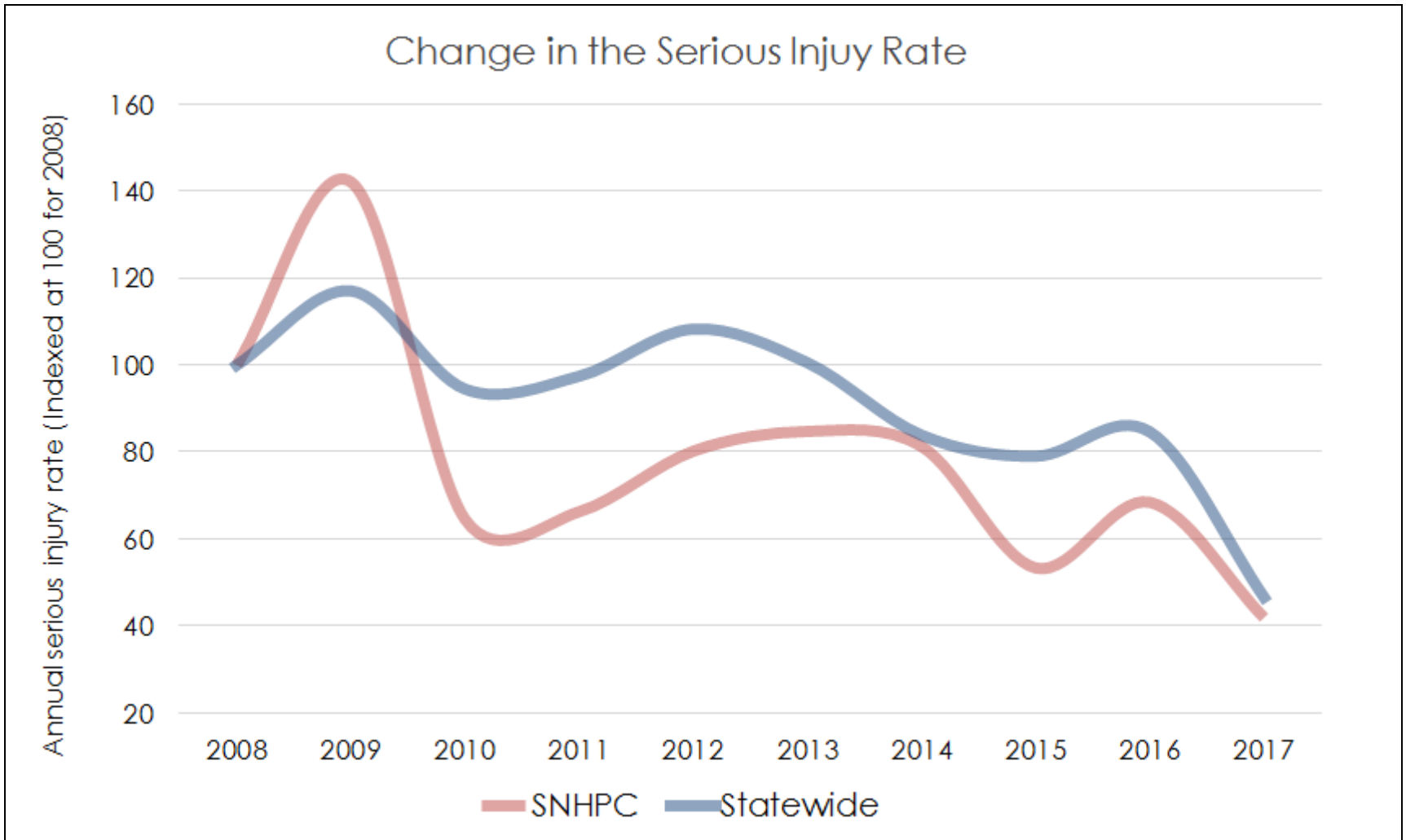
SNHPC Safety Performance (through 2017)

Serious Injury Rate

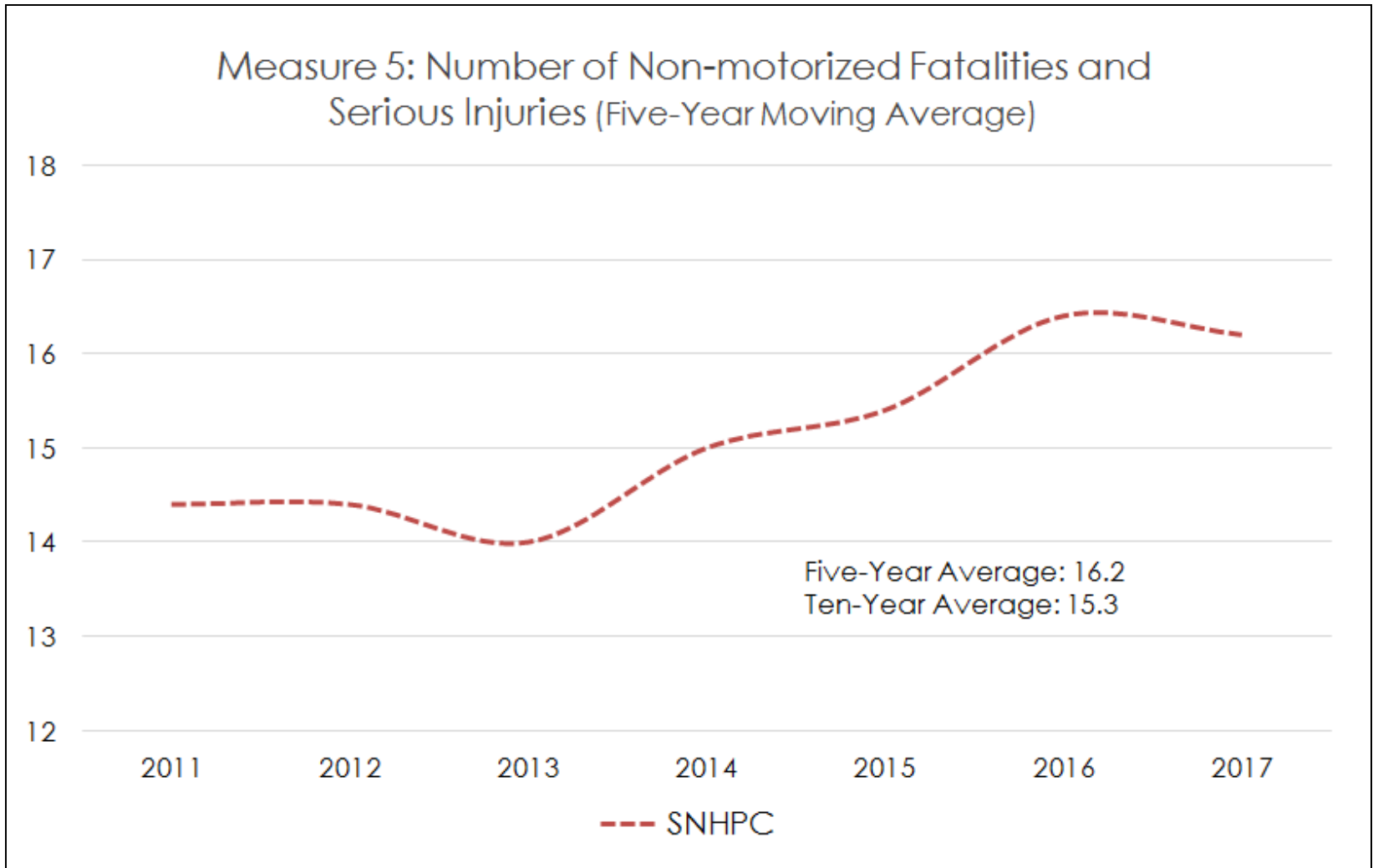


SNHPC Safety Performance (through 2017)

Serious Injury Rate

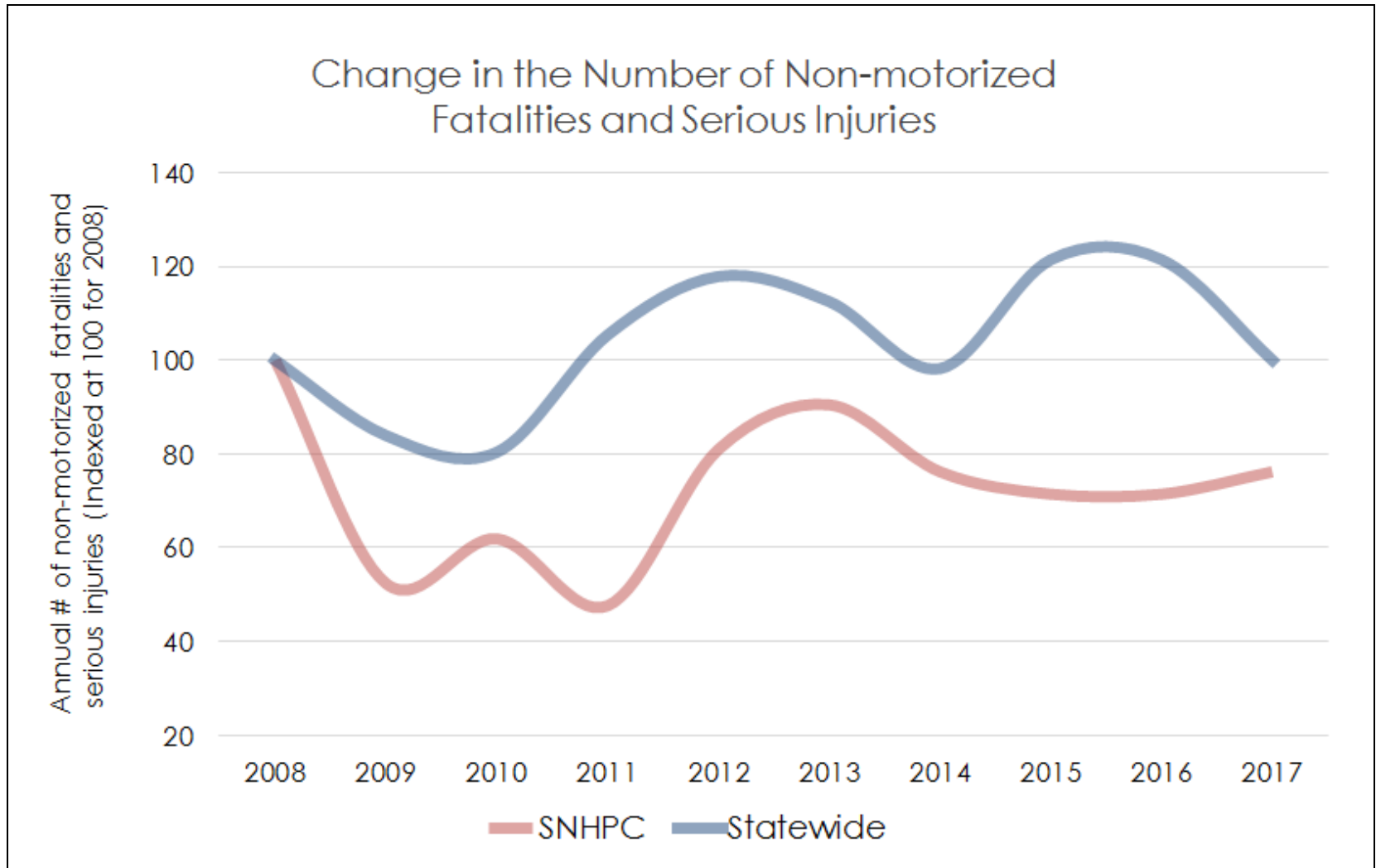


SNHPC Safety Performance (through 2017) Non-Motorized Fatalities and Serious Injuries



SNHPC Safety Performance (through 2017)

Non-Motorized Fatalities and Serious Injuries



NHDOT 2019 Safety Performance Targets

- In June, NHDOT released the State safety performance targets for 2019.
- All safety targets are projected based upon the fatalities and injuries data up to the year end of 2017. The projection is based upon the five year rolling averages.

2019 State-level Safety Performance Targets

2019 State-level Safety Performance Targets

Safety Measures	State Five-Year Rolling Averages		Trends		State Targets
	2012-2016	2013-2017	Recent	Desired	2019
Number of Fatalities	117.6	116.4	↓	↓	116.4
Fatality Rate per 100 Million VMT	0.899	0.881	↓	↓	0.879
Number of Serious Injuries	499.8	457.2	↓	↓	433.2
Serious Injury Rate per 100 Million VMT	3.829	3.462	↓	↓	3.207
Non-Motorized Fatalities and Serious Injuries	54.2	53.4	↓	↓	53.4

Recommendation: The SNHPC Should Continue to Support the State Targets for 2019

Safety Measures	SNHPC Five-Year Rolling Averages		Trends		State Target	SNHPC Recommended Target
	2012-2016	2013-2017	Recent	Desired	2019	
Number of Fatalities	19.2	18.0	↓	↓	116.4	Support State Target (approx. 18 regionally)
Fatality Rate per 100 Million VMT	0.729	0.678	↓	↓	0.879	Support State Target
Number of Serious Injuries	145.8	131.8	↓	↓	433.2	Support State Target (approx. 94 regionally)
Serious Injury Rate per 100 Million VMT	5.558	4.980	↓	↓	3.207	Support State Target
Non-Motorized Fatalities and Serious Injuries	16.4	16.2	↓	↓	53.4	Support State Target (approx. 14 regionally)

Questions?