

ANNUAL REGIONAL HIGHWAY SAFETY TARGETS

Performance Based Planning and Programming (PBPP)

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Overview

- Highway Safety Requirements
- 2018-2022 Highway Safety Performance
- Draft 2020-2024 Regional Roadway Safety Targets



Federal Requirements – Highway Safety Plans

- Federal PBPP regulations require State DOTs and MPOs to:
 - Adopt annual safety performance targets for five (5) safety performance measures
 - Measure and report progress towards those targets each year
 - State DOTs are required to report their safety targets annually through their HSIP report by August 31, and MPOs are required to report their safety targets within 180 days thereafter
- Requirement supports implementation of the Highway Safety Improvement Program (HSIP), which requires States to improve highway safety on public roads using a data-drive, strategic approach



Highway Safety Performance Measures

Performance Measure	Description
Number of Fatalities (5 year rolling average)	Total number of fatalities during a calendar year
Rate of Fatalities per 100 million VMT (5 year rolling average)	Ratio of total fatalities to VMT
Number of Serious Injuries (5 year rolling average)	Total number of serious injuries during a calendar year
Rate of Serious Injuries per 100 million VMT (5 year rolling average)	Ratio of total serious injuries to VMT
Number of Non-Motorized Fatalities and Serious Injuries (5 year rolling average)	Total number of fatalities and serious injuries during a calendar year



Highway Safety – Target Setting Methodology

- TPB targets for each performance measure is a composite of sub-targets developed for each State
 - Apply Maryland’s approach to identify a “sub-target” for the Maryland portion of the NCR
 - Apply a modified version of Virginia’s suggested approach for its MPOs to identify a sub-target for the Virginia portion of the NCR
 - Incorporate the District of Columbia’s target as a sub-target for the DC portion of the NCR
 - Combine the three sub-targets into a regional target for the NCR
 - *If a calculated target is higher than the previous target, set the target equal to the previous target, i.e., target is “capped”*



2018-2022 Regional Safety Performance



NCR Annual Highway Safety Data: 2018 through 2022

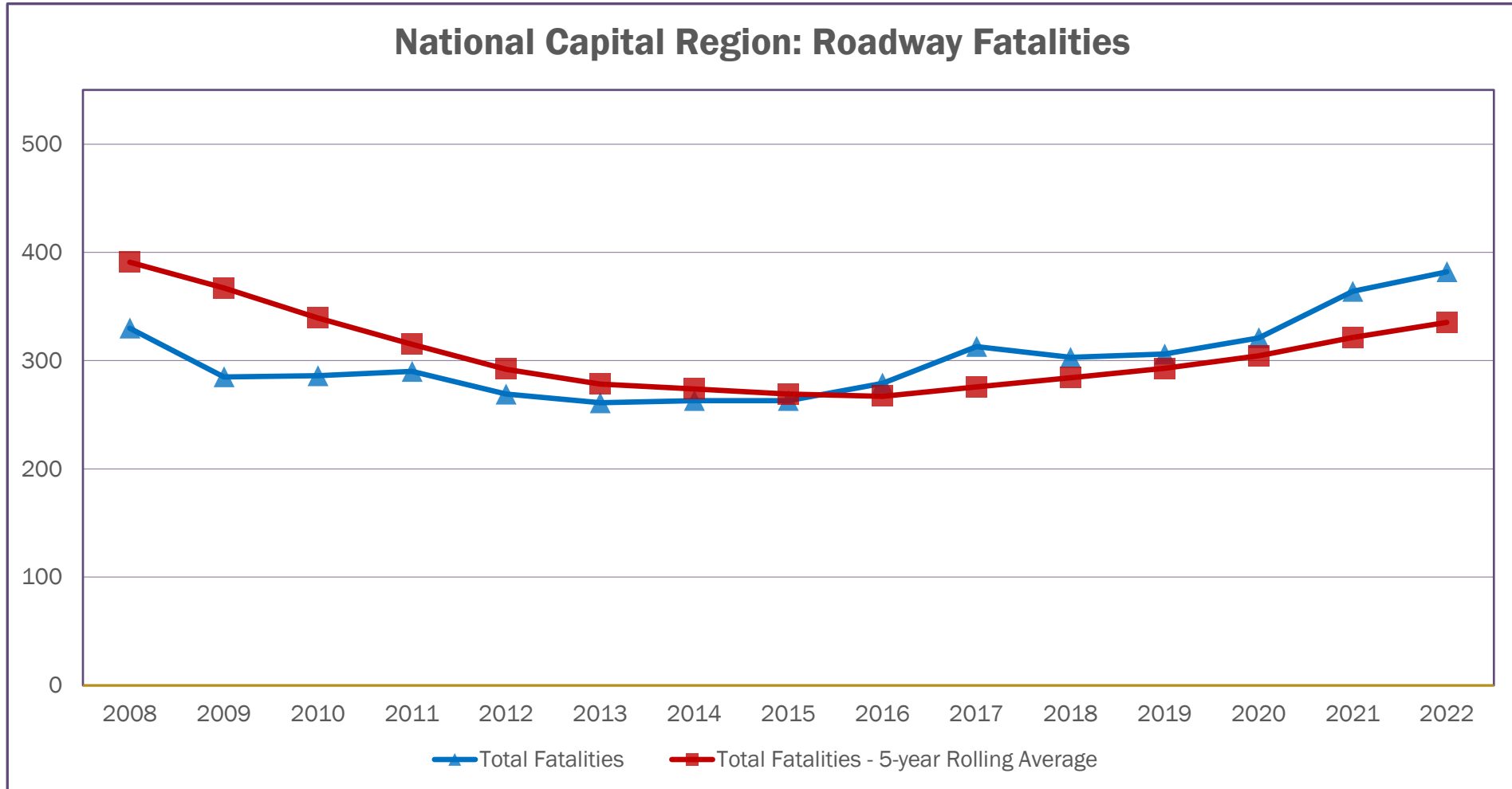
	2018	2019	2020	2021	2022	Change from 2021-2022
# of Fatalities	303	306	321	364	382 ¹	↑ 4.9%
Fatality Rate (per 100 MVMT)	0.673	0.673	0.876	0.896	0.940 ^{1,2}	↑ 4.9 %
# of Serious Injuries	2,464	2,371	1,839	2,221	2,178	↓ 1.9 %
Serious Injury Rate (per 100 MVMT)	5.473	5.211	5.016	5.464	5.358 ²	↓ 1.9 %
# Nonmotorist Fatalities & Serious Injuries	553	593	443	520	637	↑ 22.5 %

Note¹: Figures listed are from state fatality data; 2022 FARS data not yet published. Fatality counts meet federal criteria for traffic fatalities.

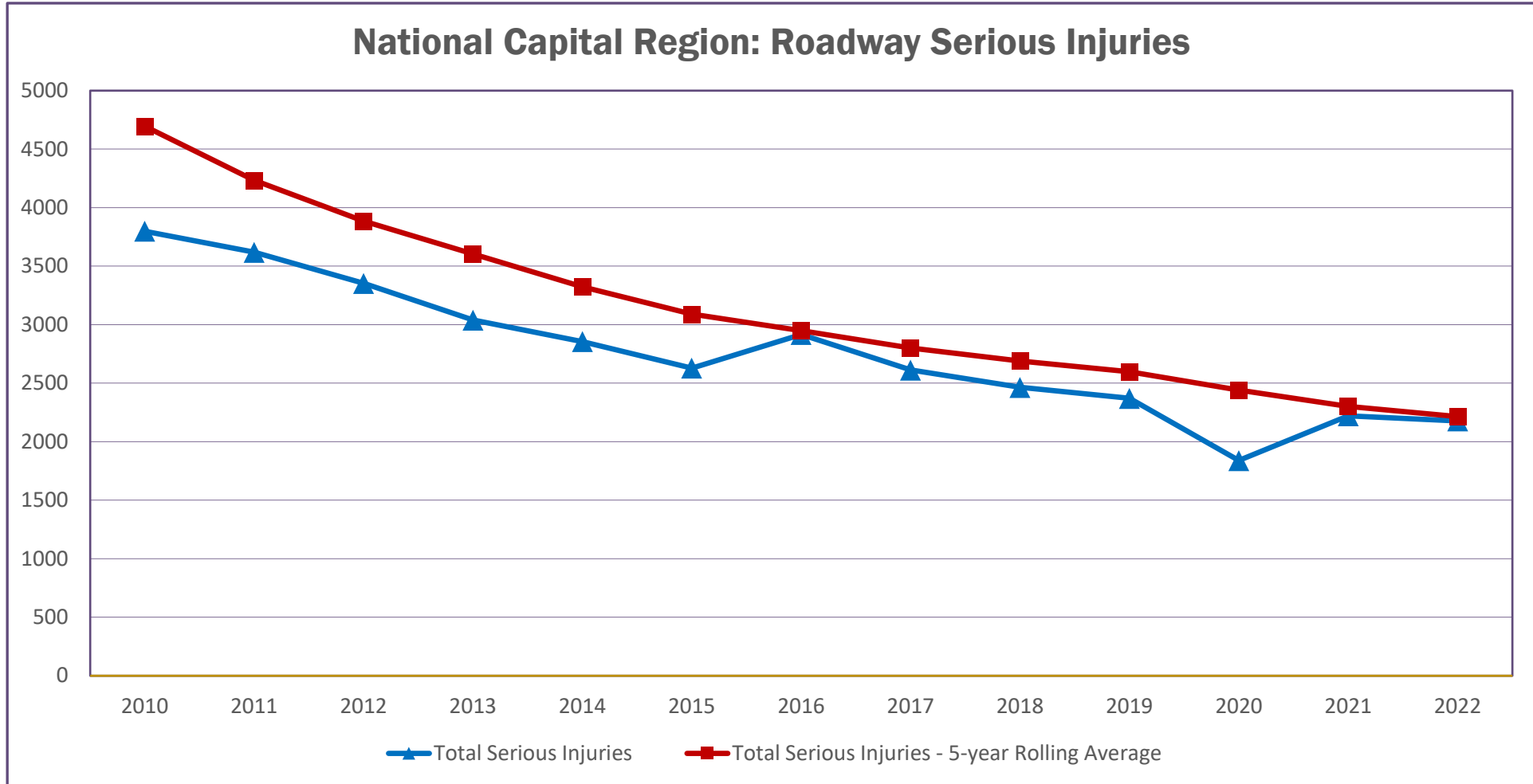
Note²: 2021 regional VMT data was used to calculate rates pending the availability of 2022 regional VMT data



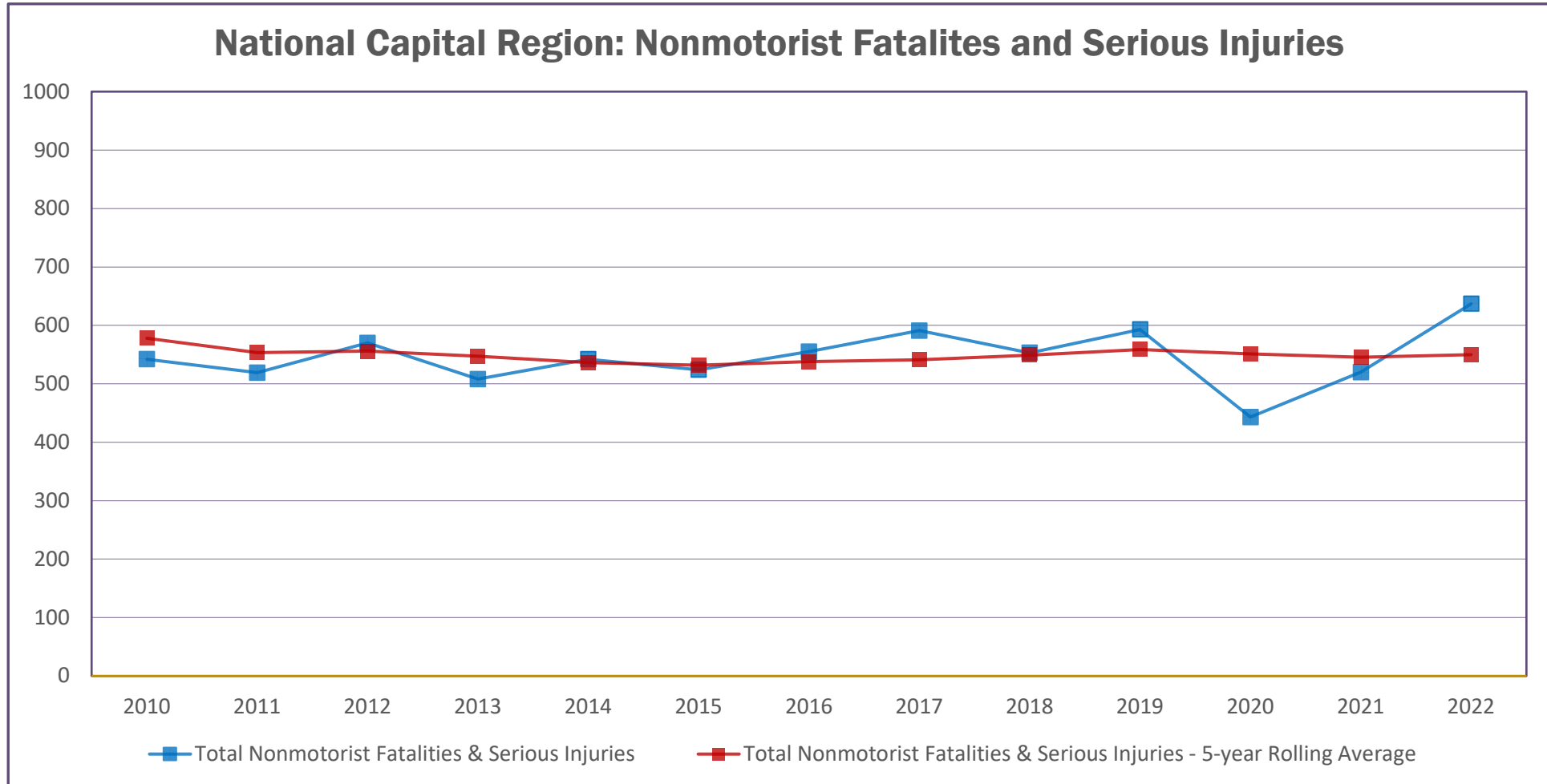
NCR Safety Trends



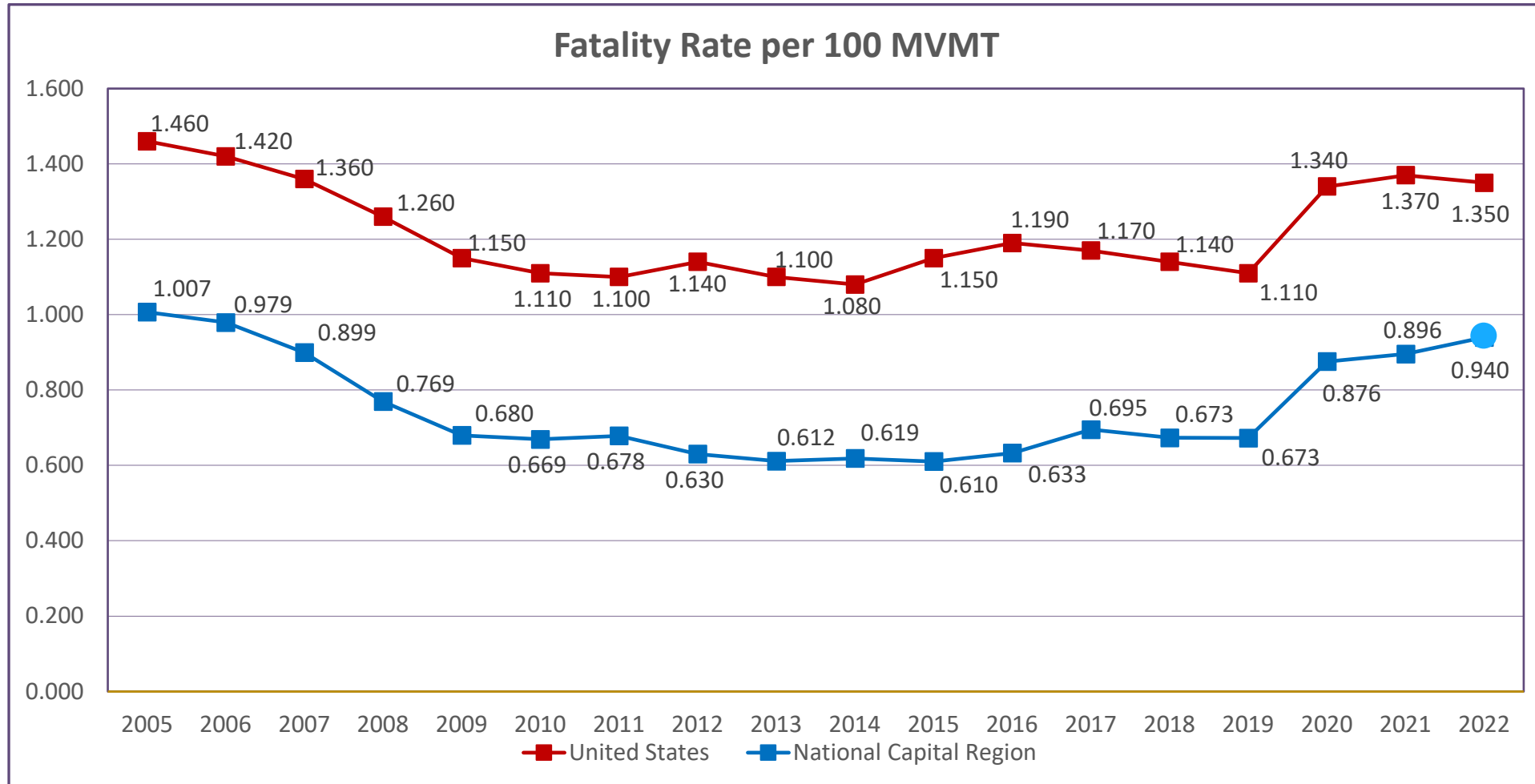
NCR Safety Trends



NCR Safety Trends



Fatality Rates: USA and National Capital Region



2018-2022 NCR Actual Performance vs. Targets

Performance Measure (5-year rolling average)	Adopted 2018-2022 Targets	Actual 2018-2022 Performance	Status
# of Fatalities	253.0	335.2 ¹	Not met
Fatality Rate (per 100 MVMT)	0.588	0.804 ^{1,2}	Not met
# of Serious Injuries	1,889.7	2,214.6	Not met
Serious Injury Rate (per 100 MVMT)	3.867	5.305 ²	Not met
# Nonmotorist Fatalities & Serious Injuries	492.4	549.8	Not met

Note¹: Figures listed are from state fatality data; 2022 FARS data not yet published. Fatality counts meet federal criteria for traffic fatalities.

Note²: 2021 regional VMT data was used to calculate rates pending the availability of 2022 regional VMT data



2020-2024 Regional Highway Safety Targets



NCR Highway Safety Targets (*pre-cap*) - **DRAFT**

	Adopted 2019-2023 Targets	DRAFT 2020-2024 Targets	Difference	Percent Difference
# of Fatalities	253.0	<u>299.3</u>	46.3	18.3%
Fatality Rate (per 100 MVMT)	0.588	<u>0.700</u>	0.112	19.0%
# of Serious Injuries	1,757.4	<u>1,675.7</u>	-81.7	-4.6%
Serious Injury Rate (per 100 MVMT)	3.733	<u>3.222</u>	-0.511	-13.7%
# Nonmotorist Fatalities & Serious Injuries	486.9	<u>473.5</u>	-13.4	-2.8%



NCR Highway Safety Targets (*with cap*) - **DRAFT**

	Adopted 2019-2023 Targets	DRAFT 2020-2024 Targets	Difference	Percent Difference
# of Fatalities	253.0	<u>253.0</u> ←	0.0	0.0%
Fatality Rate (per 100 MVMT)	0.588	<u>0.588</u> ←	0.0	0.0%
# of Serious Injuries	1,757.4	<u>1,675.7</u>	-81.7	-4.6%
Serious Injury Rate (per 100 MVMT)	3.733	<u>3.222</u>	-0.511	-13.7%
# Nonmotorist Fatalities & Serious Injuries	486.9	<u>473.5</u>	-13.4	-2.8%



Summary: NCR Highway Safety Targets - **DRAFT**

Performance Measure (5-year rolling average)	Adopted 2019-2023 Targets	DRAFT 2020-2024 Targets	Difference	Percent Difference
# of Fatalities	253.0	<u>253.0</u>	0.0	0.0%
Fatality Rate (per 100 MVMT)	0.588	<u>0.588</u>	0.0	0.0%
# of Serious Injuries	1,757.4	<u>1,675.7</u>	-81.7	-4.6%
Serious Injury Rate (per 100 MVMT)	3.733	<u>3.222</u>	-0.511	-13.7%
# Nonmotorist Fatalities & Serious Injuries	486.9	<u>473.5</u>	-13.4	-2.8%



Part III – Next Steps

- Finalize targets based on any revised information and board feedback
- December 20: Request board approval of final regional targets for transit safety and highway safety performance measures



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