

APTA Rail Conference

Update to the Rail Safety Committee

June 11, 2023



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Office of Transit Safety and Oversight
Federal Transit Administration



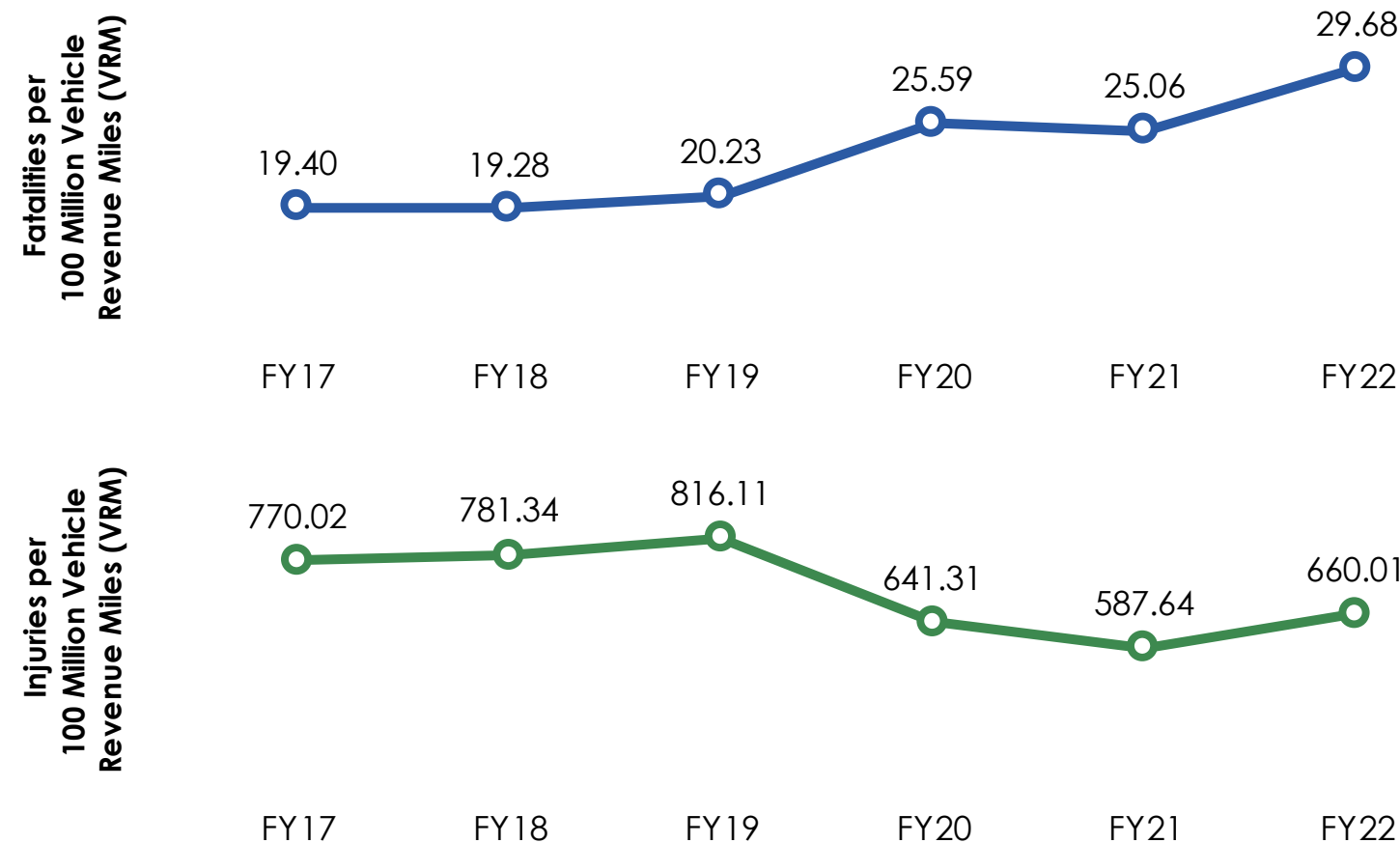
U.S. Department of Transportation
Federal Transit Administration

Presentation Overview

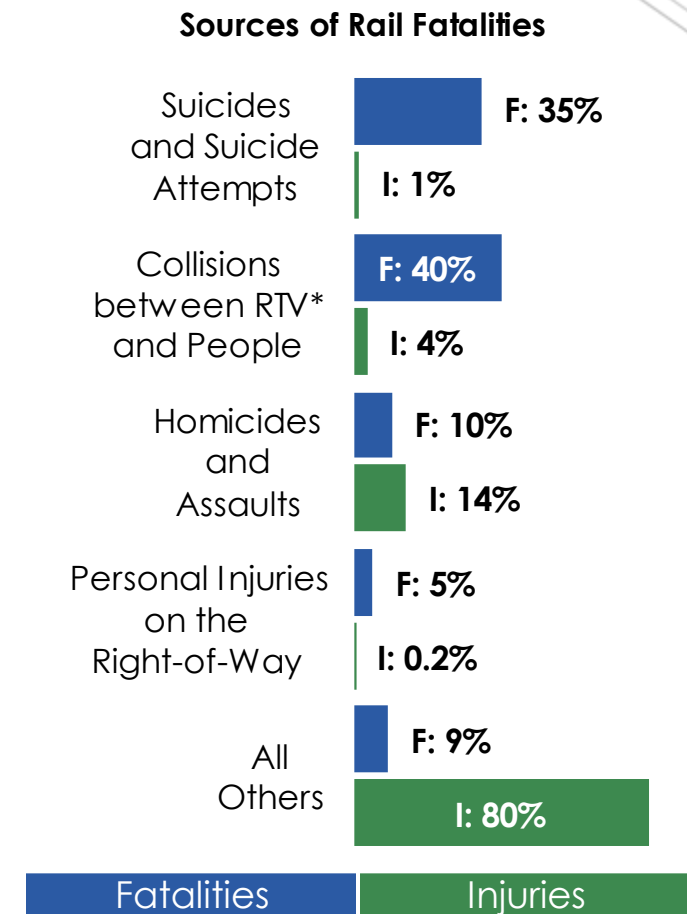
- State of Rail Transit Safety
 - Rail Safety Concerns: Suicides & Collisions with People
- Protecting Transit Workers from Assaults
 - Responses to FTA's Special Directive - Required Actions Regarding Transit Worker Assault
- Safety Risk Management & Rail Customer Assaults
- Expanded Assault Reporting - [NTD Safety and Security Reporting Changes and Clarifications](#)
- Risk Based Inspection Program
- FTA Safety Policy Activities
 - PTASP & the NPRM



State of Rail Transit Safety

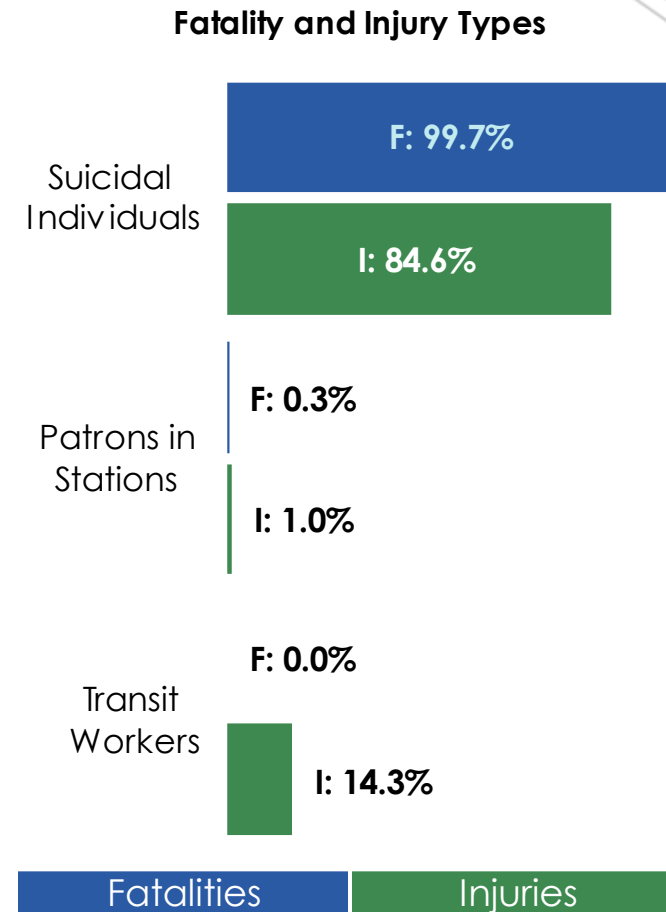
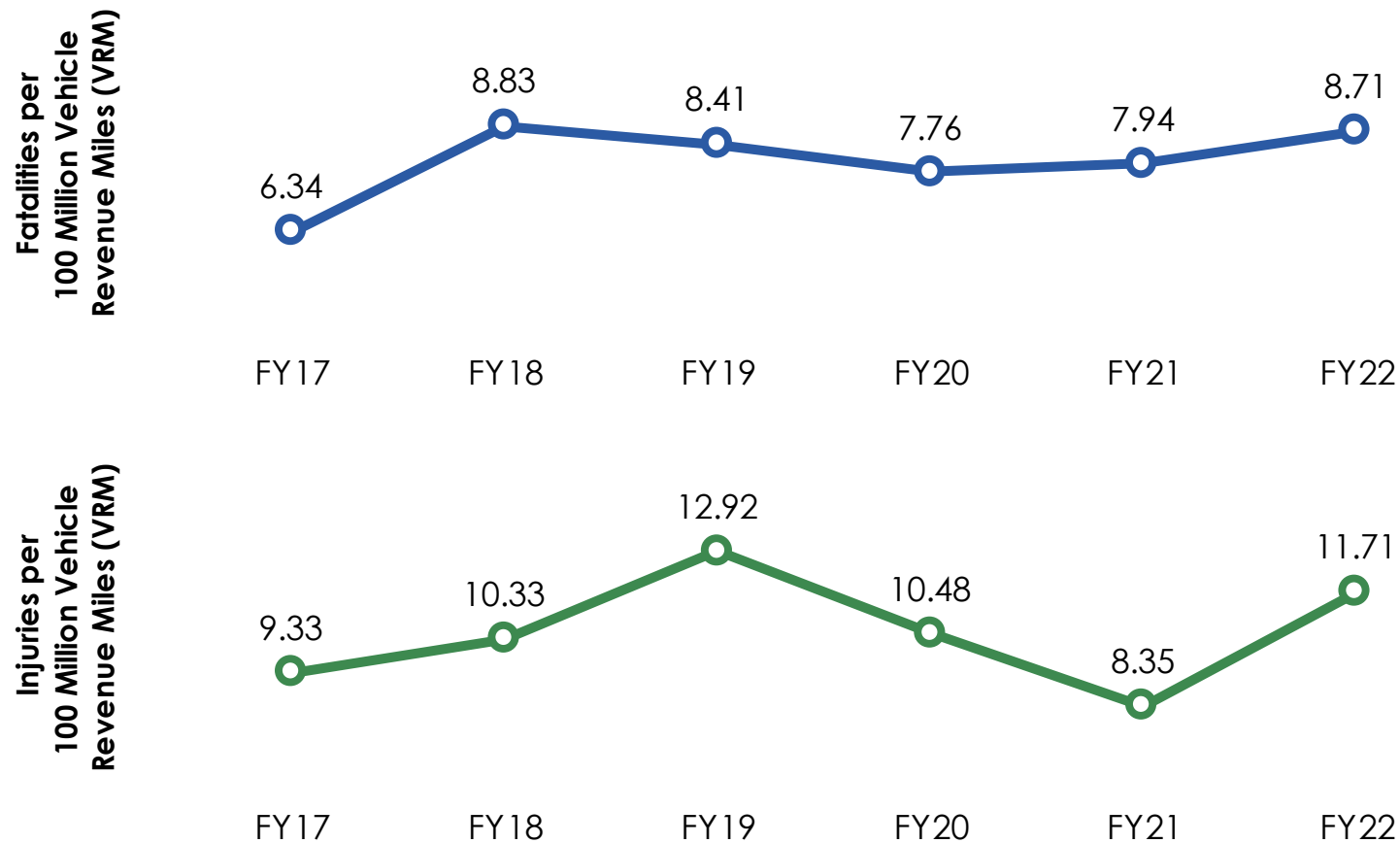


Source: National Transit Database (NTD)
FY 2022 data are preliminary



Data as of: May 2, 2023
**Rail Transit Vehicles*

Rail Safety Concern: Suicides

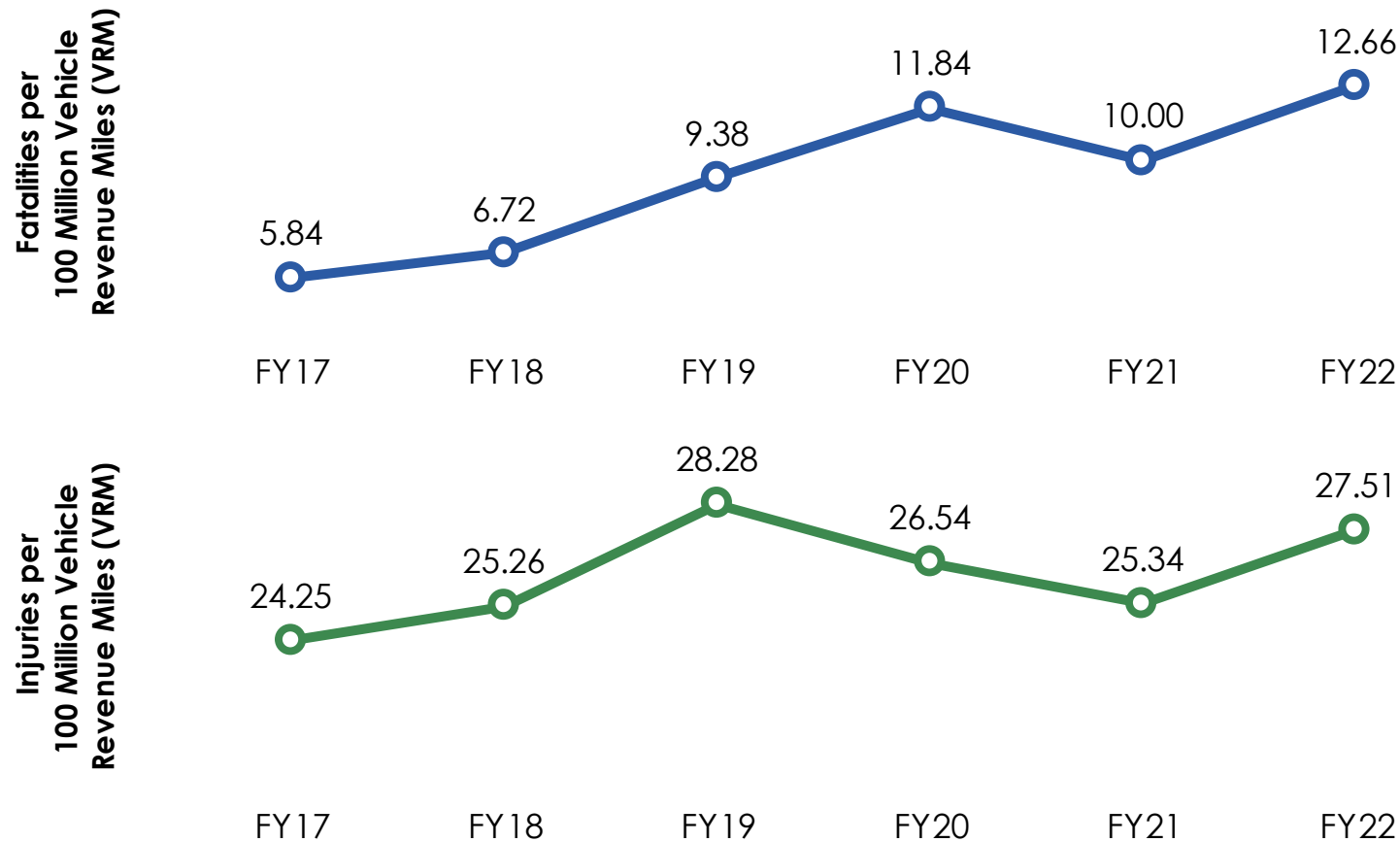


Source: National Transit Database (NTD)

FY 2022 data are preliminary

Data as of: May 2, 2023

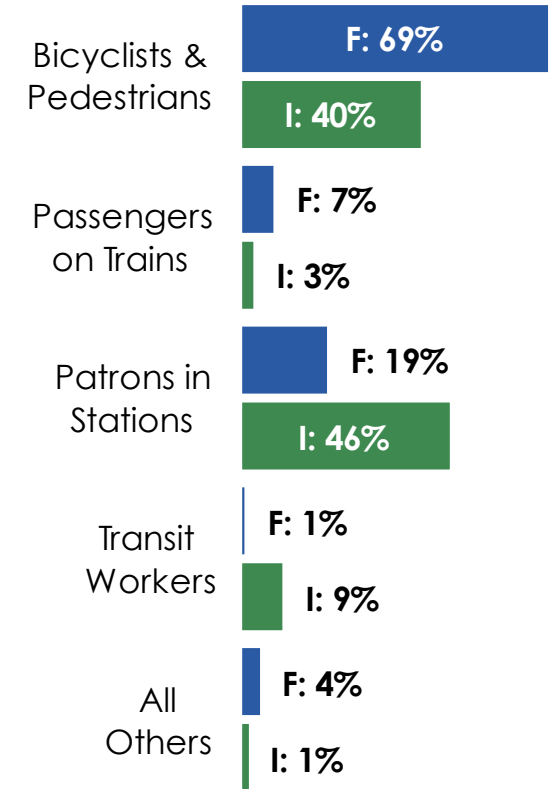
Rail Safety Concern: Collisions with People



Source: National Transit Database (NTD)

FY 2022 data are preliminary

Fatality and Injury Types



Fatalities

Injuries

Data as of: May 2, 2023

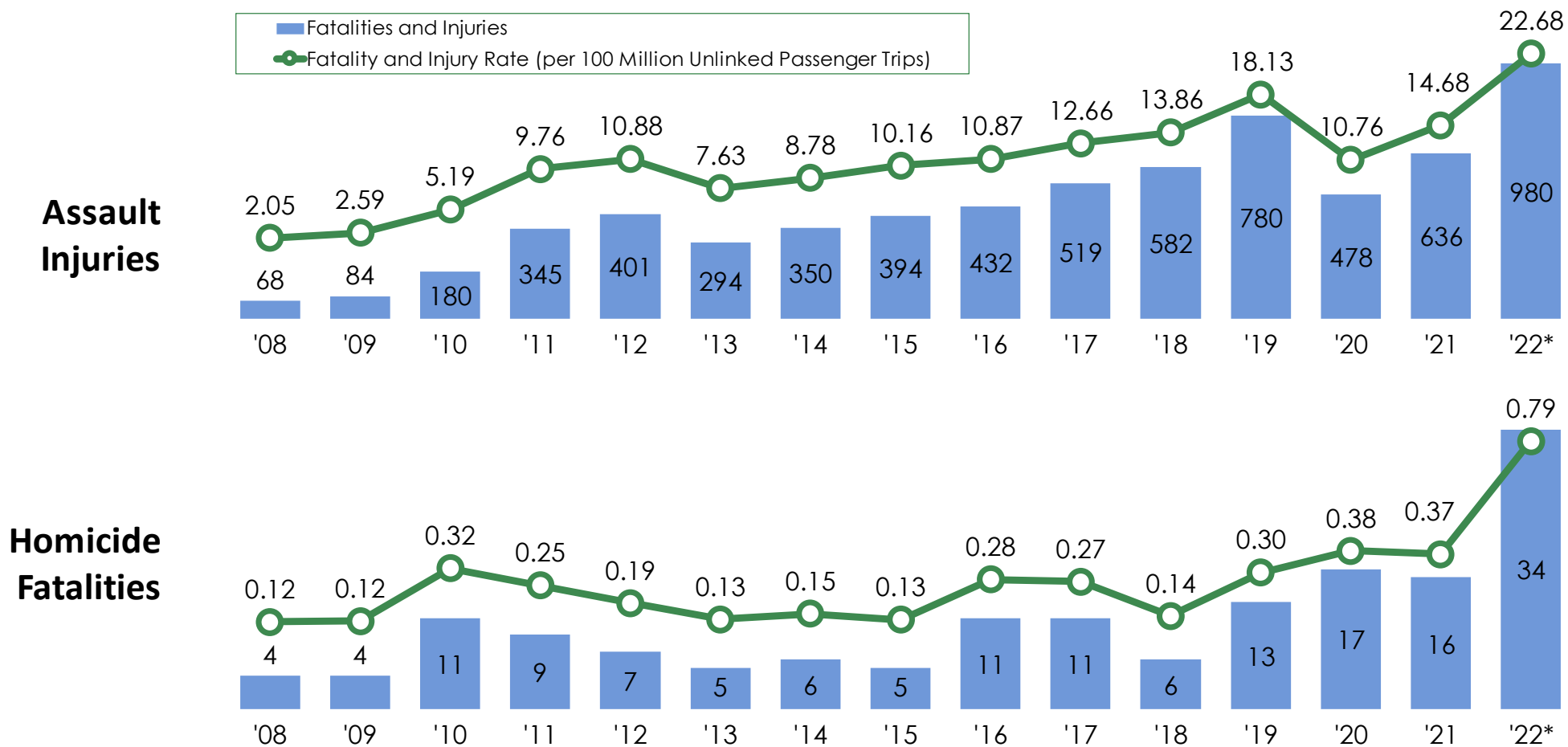


Safety Risk Management Safety Topics

Safety Topic	Step 1: Safety Risk Identification and Assessment	Step 2: Develop Mitigations	Step 3: Implement Mitigations	Step 4: Monitor Mitigation Performance
Inward- and Outward-Facing Cameras	✓	✓	✓	In progress
Roadway Worker Protection	✓	✓	In progress	
Transit Worker Assault Prevention	✓	✓	In progress	
Signal System Safety	✓	✓	✓	In progress
End-of-Railcar Door Messaging	✓	✓	✓	In progress
Bus-to-Person Collisions	✓	✓	In progress	
Transit Customer Assault Prevention	In progress			
Train-to-Privately Owned Vehicles (POV) Collisions at Rail Grade Crossing (RGX)	In progress			
Fitness for Duty	✓	✓	In progress	



Rail Customer Assault Trends, 2008–2022*



Source: National Transit Database (NTD)

Data as of: May 2, 2023

**2022 data are preliminary*



Rail Customer Assault Data Overview

Rail Customer Assault Data by Location, 2008-2022*

	Reportable Assault and Homicide Events	Homicide Fatalities	Assault Injuries
Total	8,309	159	6,523
In Vehicles	2,718	51	2,272
In Stations	5,583	108	4,243
All Others	8	0	8

Source: National Transit Database (NTD)

**2022 data are preliminary*



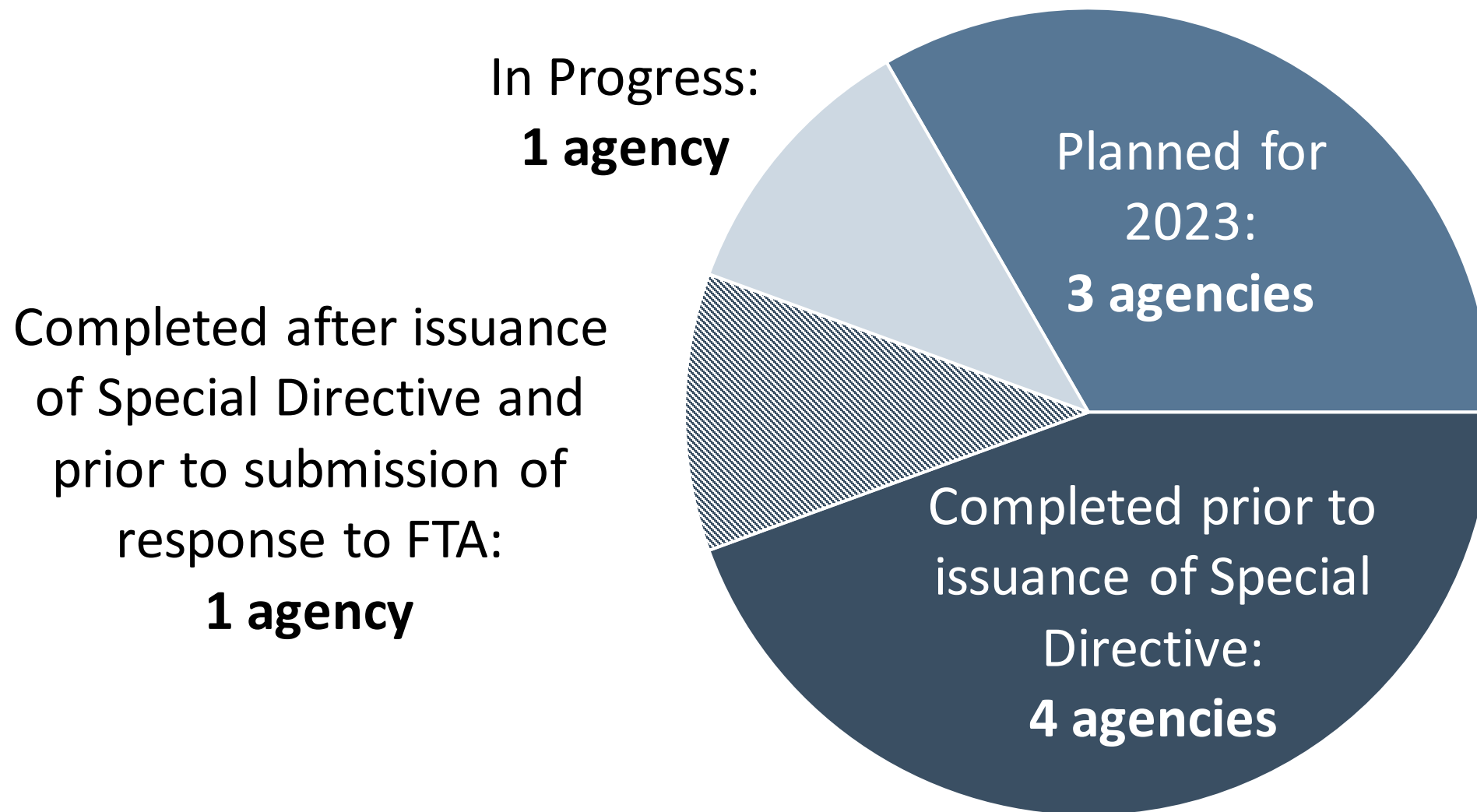
Special Directives: Required Actions Regarding Transit Worker Assault

[Special Directives](#) issued on October 4, 2022 to nine transit agencies who reported 79% of assaults on transit workers to the NTD between 2016-2021.

General	Agency contact information and Agency Safety Plan (ASP)
Safety Risk Assessment	Has agency performed safety risk assessment related to transit worker assault?
Safety Risk Mitigations	Has agency implemented safety risk mitigations to address transit worker assault risk, such as operator area protective barriers? If yes, status and available data on effectiveness?



Safety Risk Assessment



Safety Risk Mitigations

Safety Risk Mitigation	# Agencies	Complete	In Progress
Operator Area Protective Barriers	9	5	4
De-Escalation Training Program	8	6	2
Video and Audio Surveillance	8	7	1
Policing Strategies	7	7	-
Operating Procedures and Training	6	6	-
Emergency/Silent Alarms	6	6	-
Automatic Vehicle Location	4	4	-
Communication Devices and Protocols	4	4	-
Public Awareness Campaigns	3	3	-
Surveillance/Penalty Signage	3	2	1

Safety Risk Mitigation Monitoring



Eight agencies provided information on monitoring mitigation effectiveness.



One agency described key performance indicators relating to transit worker assault.



Seven agencies described monitoring the effectiveness of all mitigations layered together rather than each individual mitigation.



Six agencies described using post-event analysis and reviews to monitor mitigation effectiveness.



One agency described using feedback on training as a mechanism to support mitigation effectiveness.



Research Plan

Goals

- Better understand the nature of transit customer assaults
- Learn from agencies about successful mitigations

Phase 1: Summer 2023

- Conduct transit agency interviews through the Volpe National Transportation Systems Center



Expanded Assault Reporting

Federal Register Notice: [NTD Safety and Security Reporting Changes and Clarifications](#) published February 2023

Before NTD Updates	After NTD Updates
<ul style="list-style-type: none">FTA collected only transit worker assault data that qualified as major events from full reporters to NTDMajor events involve one or more fatalities or injuries requiring medical transport	<ul style="list-style-type: none">FTA will collect all transit worker assaults data for major and non-major eventsNon-major transit worker assaults will be collected in a summarized format

When do changes take effect?	Full Reporters	Small Reporters
	CY 2023	NTD report year 2023

Risk-Based Inspection (RBI) Programs



SSOAs must develop and begin to implement a risk-based inspection program for the RTAs they oversee by **October 21, 2024**



Risk-based inspection programs use qualitative and quantitative data analysis to inform inspection activities and prioritize inspections to address safety concerns and hazards associated with the highest levels of safety risk



Risk-based inspection programs must address the following:

1 Authority to Perform Inspections

2 Inspection Policies and Procedures

3 Data Sources and Collection

4 Inspection Prioritization

5 RBI Programs are Commensurate with Number, Size, and Complexity of the RFGPTS

6 SSOA Staffing, Training, and Qualifications



Risk-Based Inspection Program Requirements



FTA

- » Issue a special directive requiring each SSOA to develop and implement risk-based inspection program
- » Assess the capability of each SSOA to conduct compliant risk-based inspections



SSOAs

- » Develop and implement a risk-based inspection program in accordance with 49 U.S.C. § 5329(k) and the Special Directive
- » After implementing the approved program for 6 months, submit evidence of implementation to FTA



RTAs

- » Coordinate with their SSOA on policies and procedures for inspection access and data collection; incorporate these into their Agency Safety Plan
- » Share with SSOAs the data the RTA collects when identifying and evaluating safety risks



INFORMATION & RESOURCES

<https://www.transit.dot.gov/RBI>



U.S. Department of Transportation
Federal Transit Administration

FTA Safety Policy Activities

Public Transportation Agency Safety Plans (PTASP)

- Incorporates new requirements established through the Bipartisan Infrastructure Law.

National Public Transportation Safety Plan (NSP)

- Proposes additional performance measures, best practices, tools, technical assistance, voluntary standards, and other resources.

State Safety Oversight (SSO)

- Introduces changes to clarify State Safety Oversight Agencies' (SSOA) oversight responsibilities and authority to conduct inspections.

Public Transportation Safety Certification Training Program (PTSCTP)

- Amends training curriculum to reflect new requirements and training course information.

Transit Worker Fitness for Duty

- Asks questions about establishing minimum standards related to transit worker fitness for duty.

Rail Transit Roadway Worker Protection (RWP)

- Establishes minimum baseline standards and risk-based redundant protection requirements





Public Review and Comment - PTASP NPRM

Review the PTASP NPRM and submit comments:

- <https://www.federalregister.gov/d/2023-08777>
- Or visit [federalregister.gov](https://www.federalregister.gov) and search for Docket Number **FTA-2023-0007**

[Tips For Submitting Effective Comments](#), published by Regulations.gov, offers tips to help the public submit comments that have an impact and help agency policy makers improve federal regulations.



National Public Transportation Safety Plan

The proposed revisions will:

Safety Performance Measures

- Identify 7 new safety performance measures for all transit providers subject to the PTASP regulation, doubling the required safety performance targets that PTASP-applicable transit agencies must set.

Safety Risk Reduction Programs

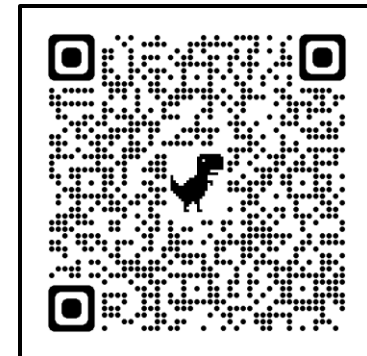
- Identify 8 measures required for safety risk reduction programs in transit agencies receiving Section 5307 funds and serving an urbanized area with a population of 200,000 or more.

Voluntary Minimum Safety Standards and Recommended Practices

- Include an updated listing of voluntary minimum safety performance standards for public transportation vehicles used in revenue operations

Open for
Comment Until
July 31, 2023

**Scan to Read and
Submit Comments**



2023 FTA State Safety Oversight Agency/Rail Transit Agency Hybrid Workshop

Stay Tuned!

Target Date – Early-to-Mid November 2023



Questions

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[TRANSIT.DOT.GOV](https://www.transit.dot.gov)