

CTAA SUN 2024: FTA Safety Updates

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Office of Transit Safety and Oversight**

August 15, 2024



U.S. Department of Transportation
Federal Transit Administration

Agenda

- State of Bus Safety
- Bus Collision Analysis and Updates
- Assaults on Transit Workers
- NTD Reporting Best Practice
- General Directive
- PTASP Final Rule & National Safety Plan

State of Bus Safety

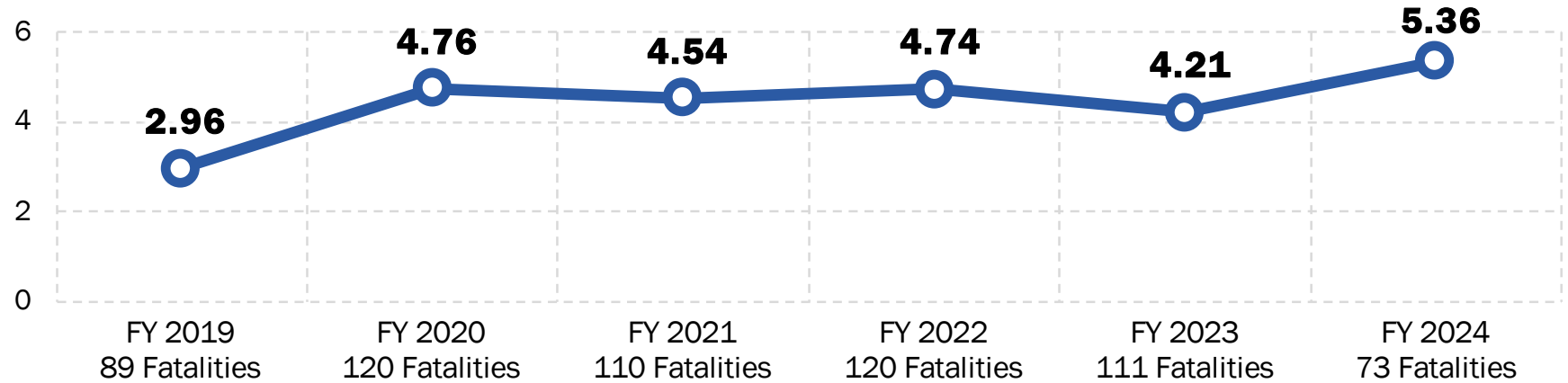
Analysis and Trends



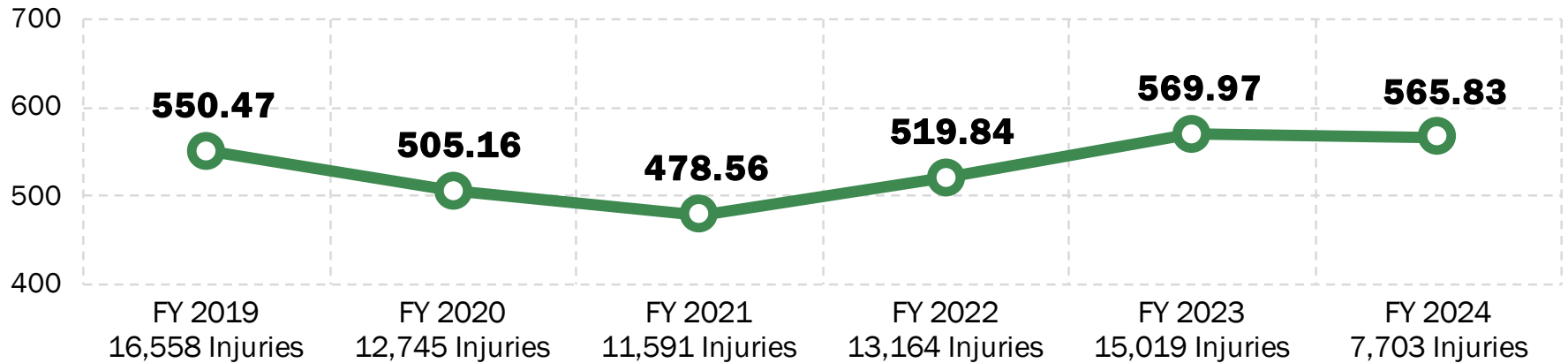
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State of Bus Transit Safety – Annual Trends

**Fatalities per
100 Million Vehicle
Revenue Miles
(VRM)**



**Injuries per
100 Million VRM**



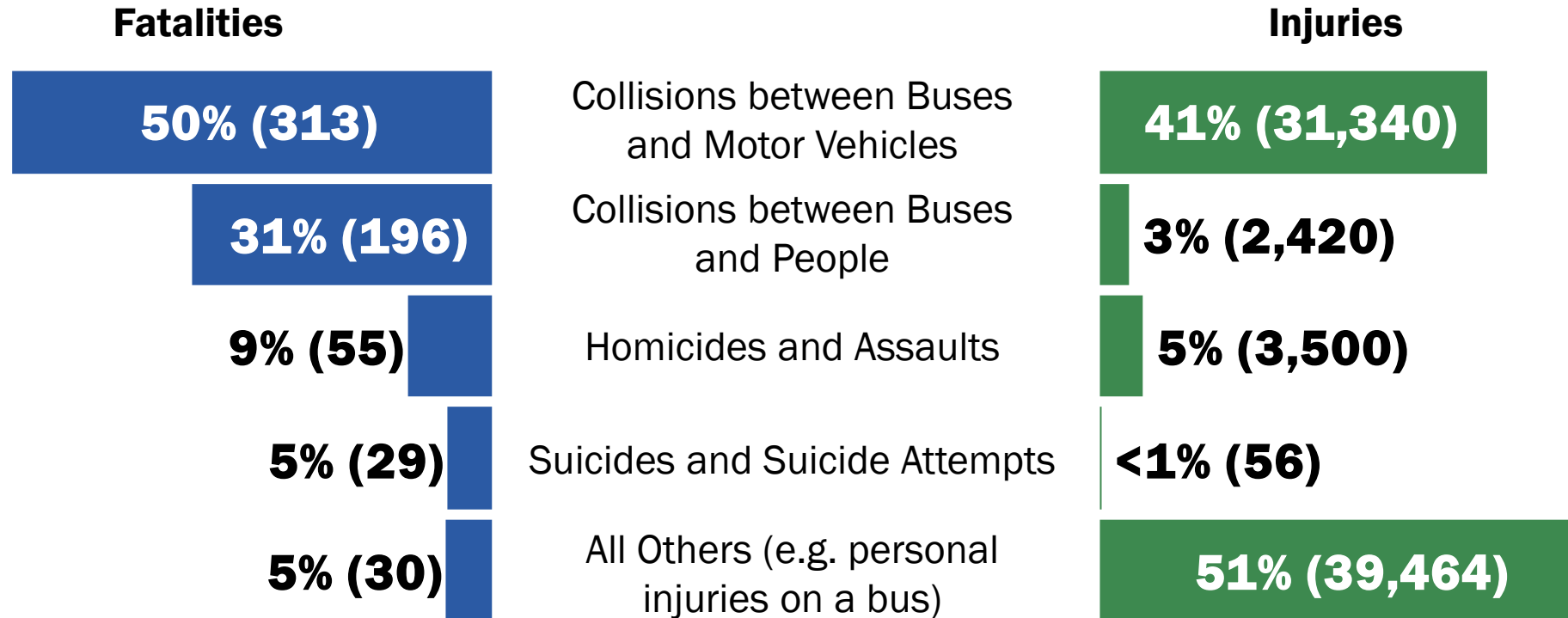
Source: National Transit Database (NTD)

Data as of: July 3, 2024

FY 2023–24 data are preliminary. FY 2024 only includes data from Oct 2023–Mar 2024.

Sources of Bus Transit Fatalities and Injuries

Bus Transit Fatalities and Injuries by Source, Oct 2018–Mar 2024



Source: National Transit Database (NTD)
 FY 2023–24 data are preliminary.

Data as of: July 3, 2024

Bus Collisions

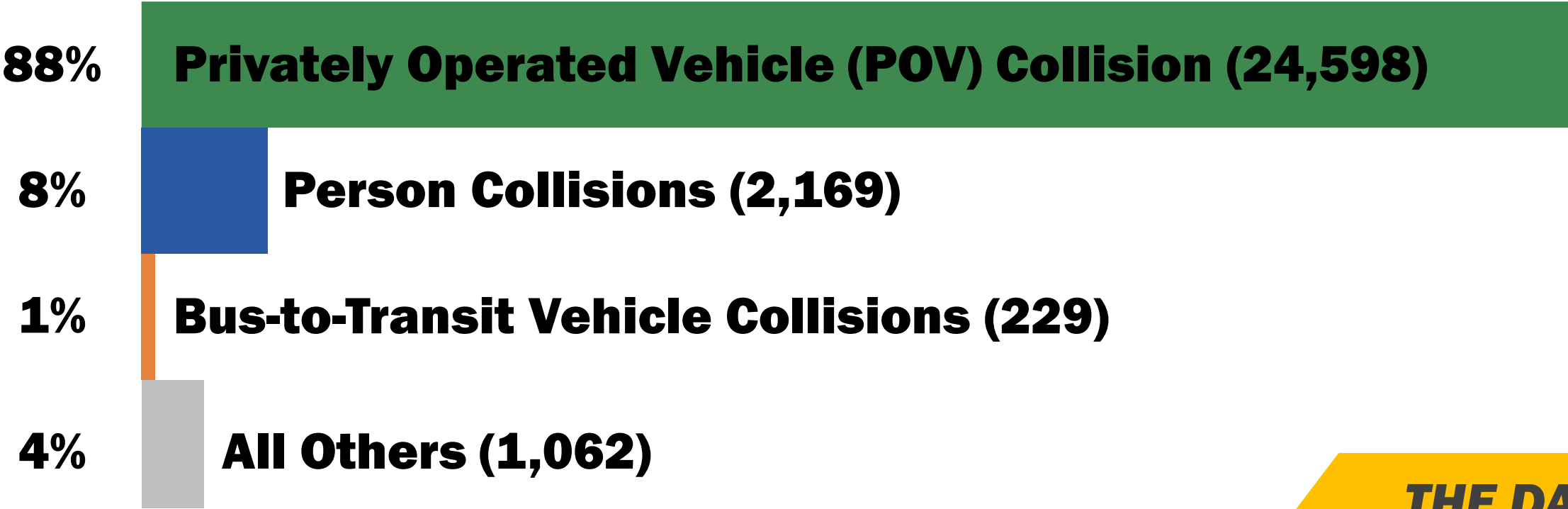
Bus-to-Privately Operated Vehicle (POV)
and Bus-to-Person Collisions
FY 2019-2023



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Bus Transit Vehicle Collisions by Collision Type

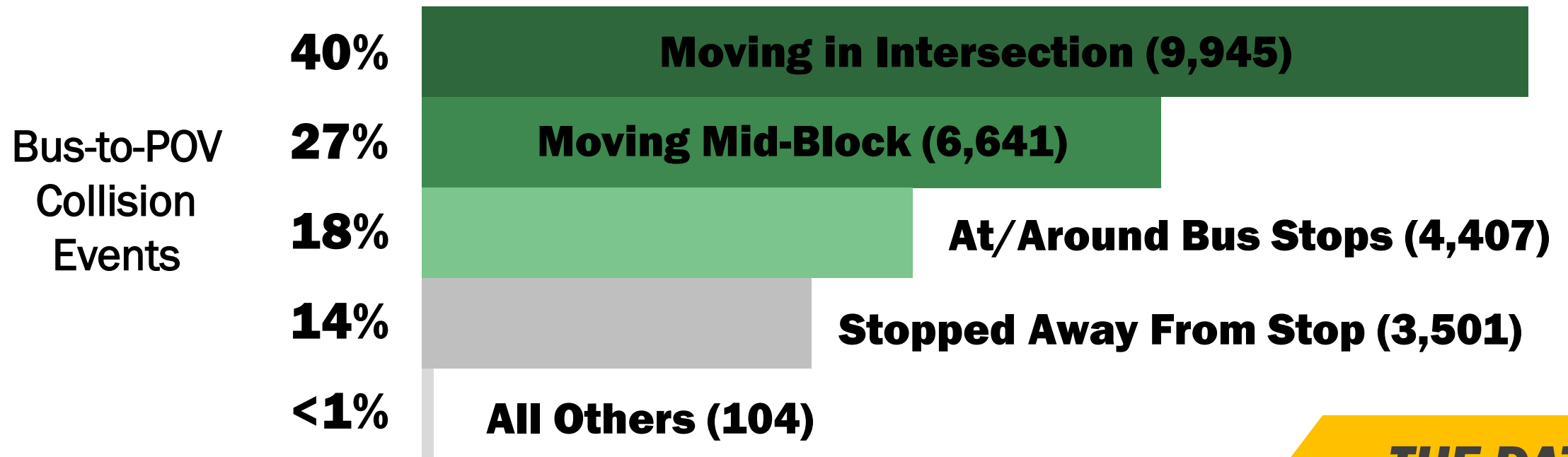
Almost 90% of collisions occurred with privately operated vehicles (POVs).



THE DATA

Bus-to-POV Collisions by Location

The largest percentage of all Bus-to-POV collision events occurred as buses moved through intersections.



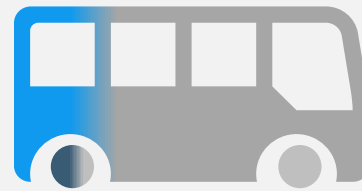
THE DATA

Bus-to-Person Collisions: Background



From 2008 to 2021, transit agencies reported **7,298 bus-to-person collisions** to the National Transit Database, which resulted in **537 fatalities** and **7,329 injuries**

From 2008 to 2024, Bus-to-Person collisions accounted for:



15%

Of All Transit Fatalities



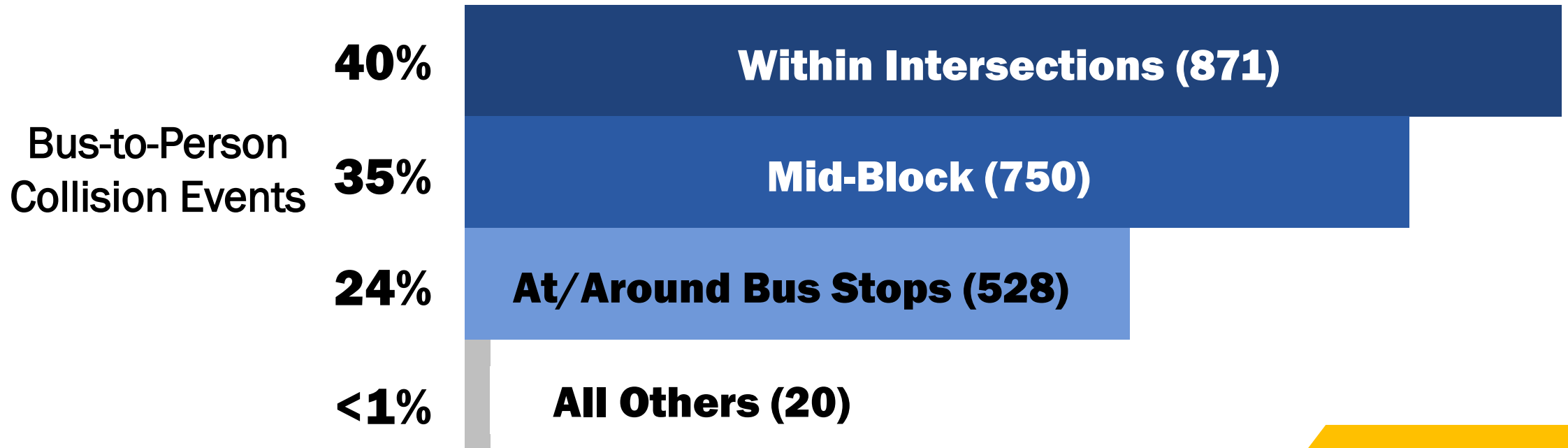
37%

Of Bus-Transit Fatalities

THE DATA

Bus-to-Person Collisions by Location

The largest percentage of bus-to-person collisions events occurred while buses were within intersections.



THE DATA

Bus Collisions in Intersections



39% of fatalities from bus collisions with vehicles in intersections **occurred when the bus turned left.**



27% of fatalities and injuries from bus collisions with people in intersections were **crosswalk pedestrians** hit as the bus made a **left turn.**

THE DATA

Safety Advisory Recommended Actions

Transit agencies that focus on bus operator vision impairment as a safety hazard may consider the below categories of safety risk mitigations, among others:



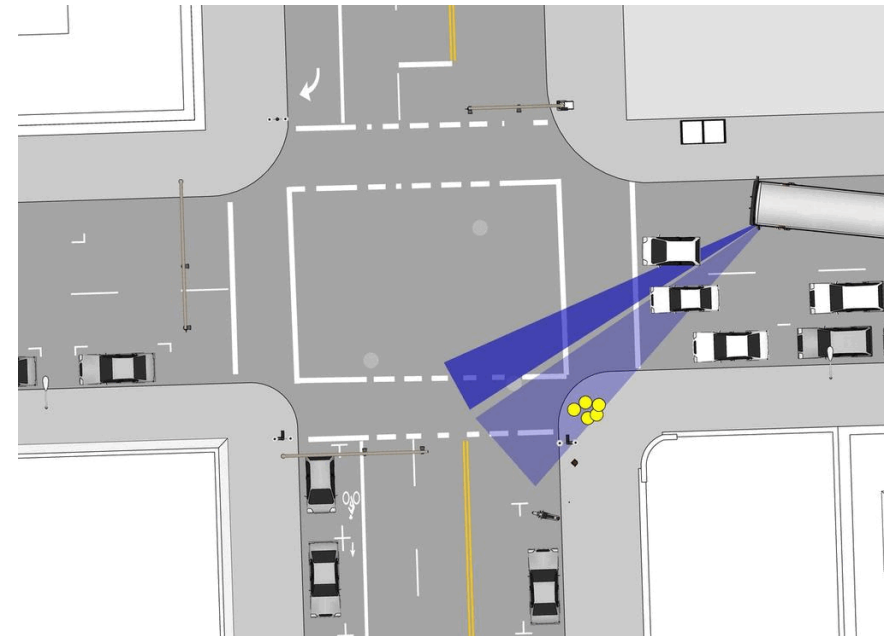
Vehicle Design

1. Vehicles
2. Vehicle Systems



Operator Driving Policies and Procedures

1. Scanning
2. Square Left Turns



Future Bus Safety Collision Prevention Initiatives



Transit Bus
Manufacturer
Public
Roundtable



Online-based
safety
manager
training
covering best
practices

Research
dedicated to
bus design
standards and
best practices

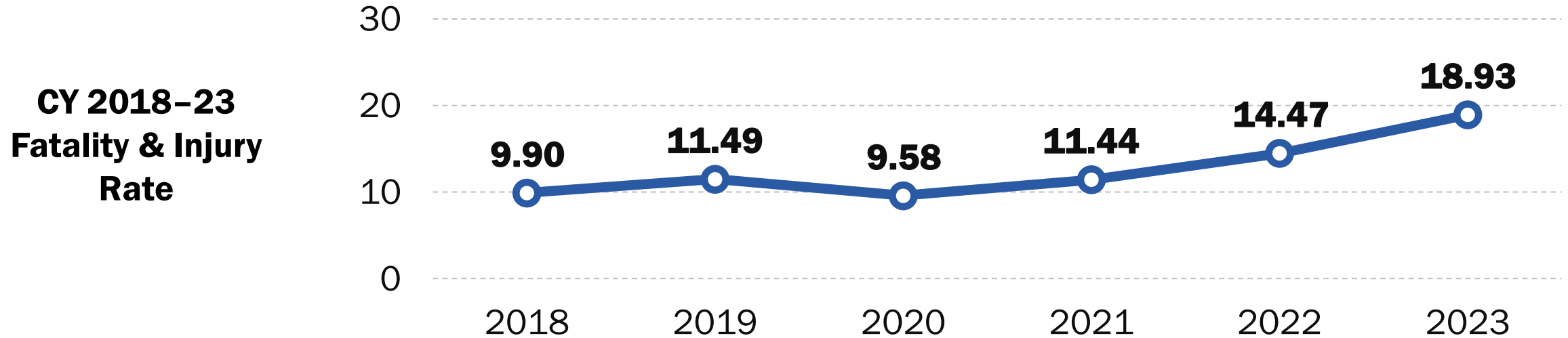
Research on
causal factors
of bus-to-POV
collisions

Assaults on Transit Workers



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Federal Transit Administration

Major Assaults on Transit Workers Fatalities & Injuries: CY 2018–23



Raw Event, Fatality, and Injury Counts

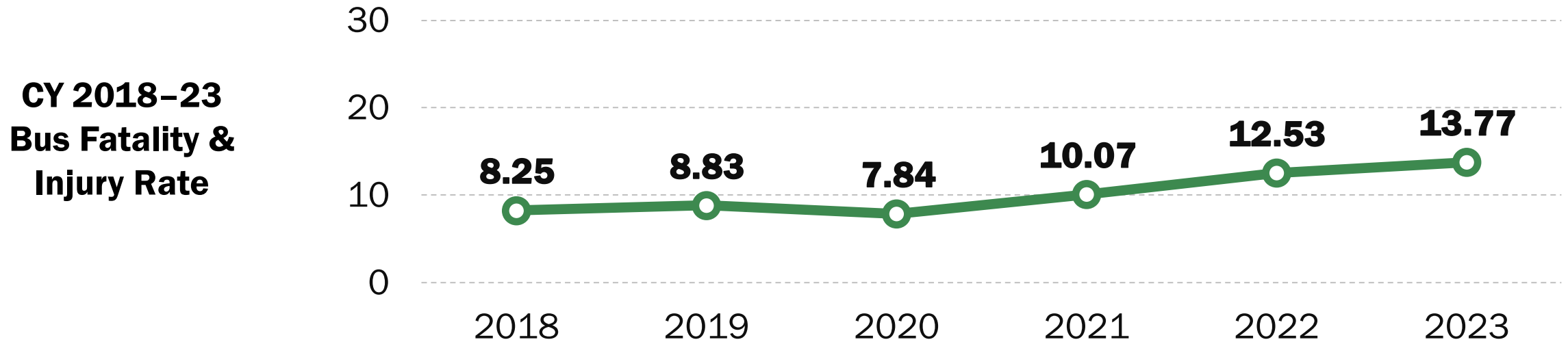
Events	374	435	292	345	463	656
Fatalities	0	1	1	11	2	2
Injuries	375	440	293	354	474	650

Source: National Transit Database (NTD). CY 2023 data are preliminary.
Combined fatality and injury rate is calculated per 100 Million Vehicle Revenue Miles (100M VRM).

Data as of: Apr 2, 2024

Major Assaults on Transit Workers

Fatalities & Injuries on Bus: CY 2018–23



Percentage of Fatalities and Injuries by Location

Location	2018	2019	2020	2021	2022	2023
Vehicle	92%	95%	91%	92%	94%	87%
Station	6%	5%	6%	7%	5%	10%
Other	2%	1%	2%	1%	1%	3%

Source: National Transit Database (NTD). CY 2023 data are preliminary.
 Combined fatality and injury rate is calculated per 100 Million Vehicle Revenue Miles (100M VRM).

Data as of: Apr 2, 2024

Assaults on Transit Workers

New NTD Data Collection: 2023

Most events reported are non-physical assaults
All Reported Transit Worker Assaults and Homicides by Severity:
April–December 2023



Source: National Transit Database (NTD). CY 2023 data are preliminary.

*Starred categories are events that do not result in a transit worker fatality or injury.

Data as of: Apr 2, 2024

NTD Reporting Best Practice



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Timeliness in Major Event (S&S-40) Reporting

Full reporters are required to report major events to the National Transit Database (NTD) via form S&S-40 within 30 days of the event.

Over last five years - Only 35% of major safety and security events reported to the NTD within 30 days of the event.

FTA relies on timely and accurate safety and security data.

Late reporting inhibits ability to proactively mitigate safety risks.

Assaults on Transit Workers: NTD Reporting Requirements

Full reporters

Report major events via form S&S-40 within 30 days of the event. Report non-major events via form S&S-50 monthly.



Reduced reporters

Report major and non-major events via form S&S-60 annually, four months after the reporter's fiscal year expires.



New Reporting Resources Now Available!

New Technical Resource Guides will support transit agencies with additional data reporting requirements.



New NTD Reporting Requires the **Who**, **What**, and **Where** of Assaults on Transit Workers.

Safety Policy



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Federal Transit Administration

FTA Regulatory Agenda

Public Transportation Safety Certification Training Program (PTSCTP)

Streamlines communication and administrative processes and clarifies voluntary participation and recertification training requirements.

2024

State Safety Oversight (SSO)

Introduces changes to clarify SSOA oversight responsibilities and authority to conduct inspections and Bipartisan Infrastructure Law (BIL) provisions.

2024

Rail Transit Roadway Worker Protection (RWP)

Proposes minimum baseline standards and risk-based redundant protection requirements for transit workers who may access the roadway during performance of work.

2024

NPRM Comment Period Closed - May 24, 2024

Transit Worker Hours of Service and Fatigue Risk Management

Requested public feedback and information to understand current industry practices, priorities and requirements on transit worker hours of service and fatigue risk management.

2024

FTA Guidance

General Directive 24-1: Required Actions Regarding Assaults on Transit Workers

Proposes to require transit agencies that must have an Agency Safety Plan (ASP) as part of PTASP to conduct a safety risk assessment and provide results to FTA regarding assaults on transit workers.

Estimated Final Publication in 2024



Major Safety Updates

Public Transportation Agency Safety Plans (PTASP)



Finalized first Final Rule under Bipartisan Infrastructure Law (BIL) making transit safer for both workers and passengers

Incorporated BIL safety requirements including:



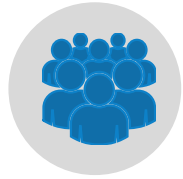
- Setting performance targets for safety risk reduction programs
- Advancing systems to protect transit riders and workers
- Expanding de-escalation training
- Protecting transit workers from assault and people from collisions with transit vehicles

National Public Transportation Safety Plan (NSP)



Publication of updated NSP, FTA's primary guidance document for improving safety performance of transit systems receiving FTA funding

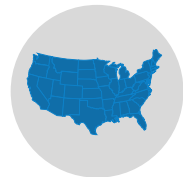
Making Transit Safer



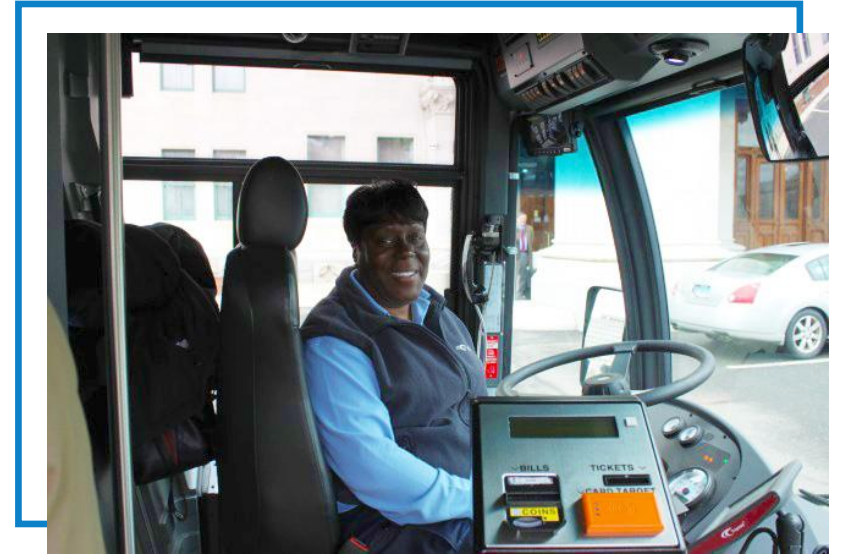
New PTASP rule and the revised National Safety Plan were published after **months of work by Biden-Harris Administration leaders** and in response to dozens of comments filed by **stakeholders, including transit agencies**



Updates make transit systems even safer for passengers and transit workers. They will also give **workers more of a voice** in advancing **their safety** where they work



Changes to PTASP apply to more than **700 transit agencies nationwide**, including requirements for transit agencies serving areas with a population of 200,000 or more, and agencies serving areas with a population of less than 200,000



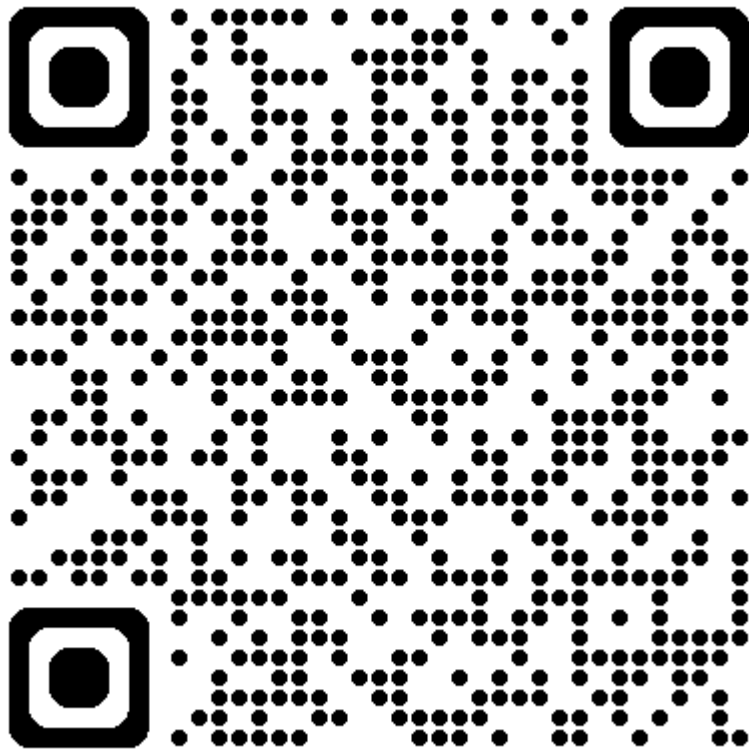
Technical Assistance and Compliance

- ✓ FTA expects transit agencies to address the regulatory changes in the new PTASP Final Rule in their **next Agency Safety Plan (ASP) annual update**
- ✓ The PTASP regulation requires transit agencies to document a process in their ASP to review and **update their ASP annually** to address needed changes, including regulatory changes
- ✓ FTA provides technical assistance for PTASP requirements and Safety Management System (SMS) implementation through its **PTASP Technical Assistance Center (TAC)**
 - ✓ One-on-One assistance
 - ✓ Webinars, workshops, and roundtables
 - ✓ Agency Safety Plan (ASP) voluntary reviews



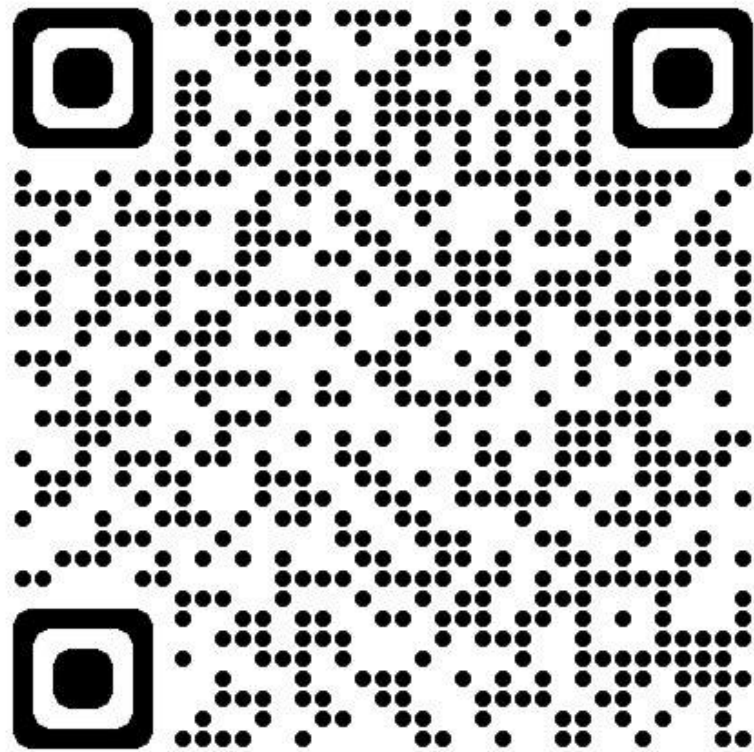
Fatigue Resources for Transit Operators

To support the transit industry, FTA has compiled resources that can be used to better understand fatigue and fatigue-related issues in the workplace.



Public Transportation Agency Safety Plans

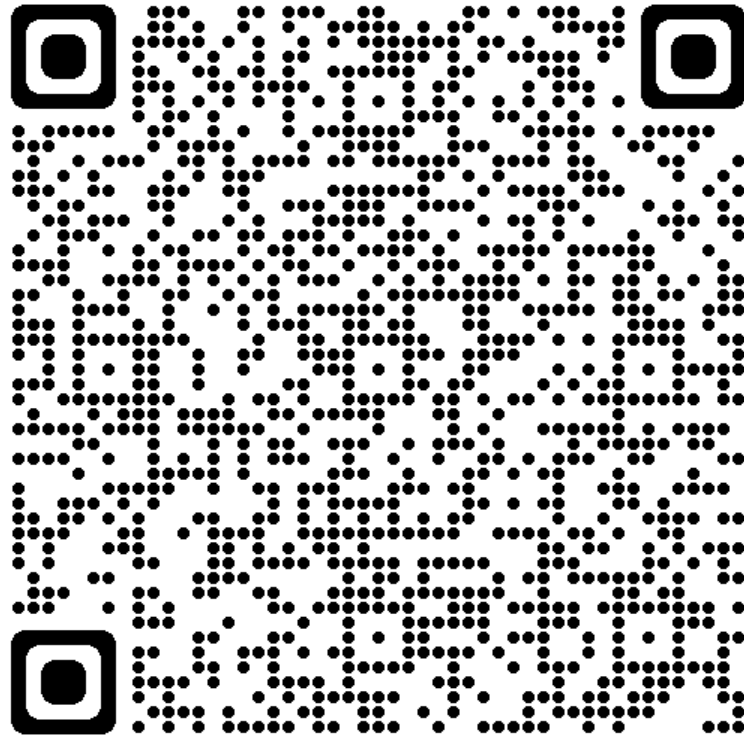
Technical Assistance Center includes resources to support using your Safety Management System (SMS) to protect transit workers from assaults.



The screenshot shows the Federal Transit Administration website. At the top, it says "An official website of the United States government" and "United States Department of Transportation". The main header features the FTA logo and the text "Federal Transit Administration". There is a search bar and navigation links for "About", "Funding", and "Regulations & Programs". The main content area is titled "Public Transportation Agency Safety Plans". It includes a sidebar with links to "PTASP Overview", "FAQs", "PTASP Technical Assistance Center and Resource Library", "Agency Safety Plan (ASP) Directory", "Using SMS to Mitigate Infectious Disease Exposure", and "Using SMS to Protect Transit Workers from Assaults". The main text explains that the PTASP regulation (49 CFR Part 673) requires operators of public transportation systems to develop an Agency Safety Plan (ASP) that includes the processes and procedures to implement a Safety Management System (SMS). It also provides contact information for the PTASP Technical Assistance Center (TAC), including an email address (PTASP-TAC@dot.gov) and a phone number (877-827-7243). A logo for the PTASP Technical Assistance Center is shown in the bottom right corner of the screenshot.

Agency Safety Plan (ASP) Directory

FTA's ASP Directory links to ASPs made publicly available by transit agencies to support the transit industry in developing, implementing, and updating ASPs.



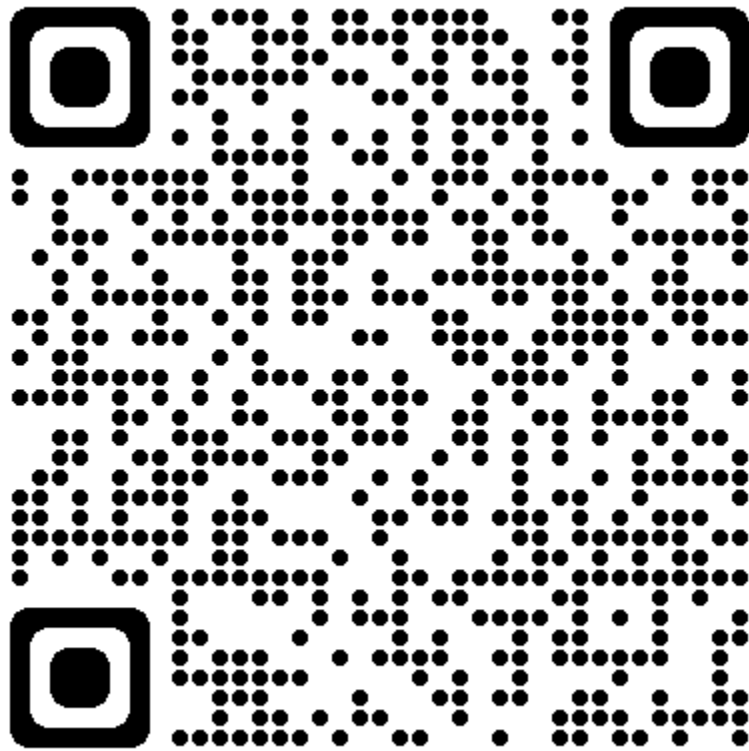
The screenshot shows the FTA website's navigation bar with the logo and search bar. The breadcrumb trail reads: Home / Regulations and Programs / Safety / Public Transportation Agency Safety Program. The main heading is "Agency Safety Plan (ASP) Directory". The introductory text states: "The Federal Transit Administration (FTA) gathered Agency Safety Plan (ASP) resources to support the transit industry in developing, implementing, and updating ASPs. The following ASPs have been made publicly available by transit agencies, and FTA is making them available in adherence with the [DOT Website Linking Policy](#). If you would like to add your ASP to this ASP Directory, please contact the PTASP Technical Assistance Center (TAC) at PTASP-TAC@dot.gov."

The directory lists the following agencies and their details:

- [AC Transit](#) - Oakland, California
 - **Agency Type:** Large Bus Operator
 - **Modes:** Fixed Route Bus, Commuter Bus, Demand Response
- [Berkshire Regional Transit Authority](#) - Pittsfield, Massachusetts
 - **Agency Type:** Small Public Transportation Provider
 - **Modes:** Fixed Route Bus, Demand Response
- [Chatham Area Transit](#) - Savannah, Georgia
 - **Agency Type:** Small Public Transportation Provider

De-Escalation Training Resource Directory

FTA published a new training resource directory to support the transit industry in developing, implementing and updating de-escalation training.



The screenshot shows the Federal Transit Administration website. The header includes the FTA logo, the text "Federal Transit Administration", a search bar, and navigation links for "About", "Funding", and "Regulations & Programs". A left sidebar menu lists various categories: "Transit Safety & Oversight", "Public Transportation Agency Safety Plans", "Safety Rulemaking", "Safety Guidance", "State Safety Oversight Program", "Safety Management Inspections", "Drug & Alcohol Program", "Program Oversight", "TRACS", and "Safety Training". The main content area is titled "De-Escalation Training Resource Directory". It contains a paragraph explaining that the FTA has gathered resources to support the transit industry in developing, implementing, and updating training programs. A callout box highlights that de-escalation training is part of a Safety Management System (SMS) and includes other measures like mirrors, signage, security cameras, and working with law enforcement. It references a document titled "Using Your SMS to Protect Transit Workers from Assaults". Below this, there is a link to a "De-Escalation Training Resource Library" and a prompt to "Click below to see list of resources". Three icons represent "State Safety Oversight Agency", "Bus Transit Providers", and "Rail Transit Providers".

Thank You!

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