

FTA

FEDERAL TRANSIT ADMINISTRATION

2017 Joint SSO and RTA Workshop

National Transit Database Data Overview

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Federal Transit Administration



U.S. Department of Transportation
Federal Transit Administration

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NTD – Codified at 49 U.S.C. 5335

- Recipients or Beneficiaries of Section 5307 (Urban Formula) or 5311 (Rural Formula) Grants:
 - Must Report Annually on Finances, Operations, & Assets
- Urbanized Area Reporters with More than 30 Vehicles:
 - Safety Event Reports
 - Monthly Service (Ridership, Vehicle Miles) Reports
- Rural Systems Have Reduced Requirements

More Than 2,300 Transit Systems Report

- Annual Reports
 - 866 Urbanized Area Systems
 - 533 Submit Full Reports
(includes both FTA grant recipients and voluntary reporters)
 - 306 with Fewer than 30 Vehicles Submit Reduced Reports
 - 1,481 Rural Subrecipient Reports (reduced requirements)
 - 54 States
 - 134 Indian Tribes
- Monthly Service Reports (533 Reporters)
- Safety Event Reporting (533 Reporters)

Safety Reporting

- Full Urban reporters must submit event level safety data monthly
 - 533 full reporters in 2016
- Agencies must report an event within 30 days
- Event Reports Include
 - Info on Persons Killed and Injured
 - Info on Each Vehicle Involved
 - Short Narrative

Safety Data

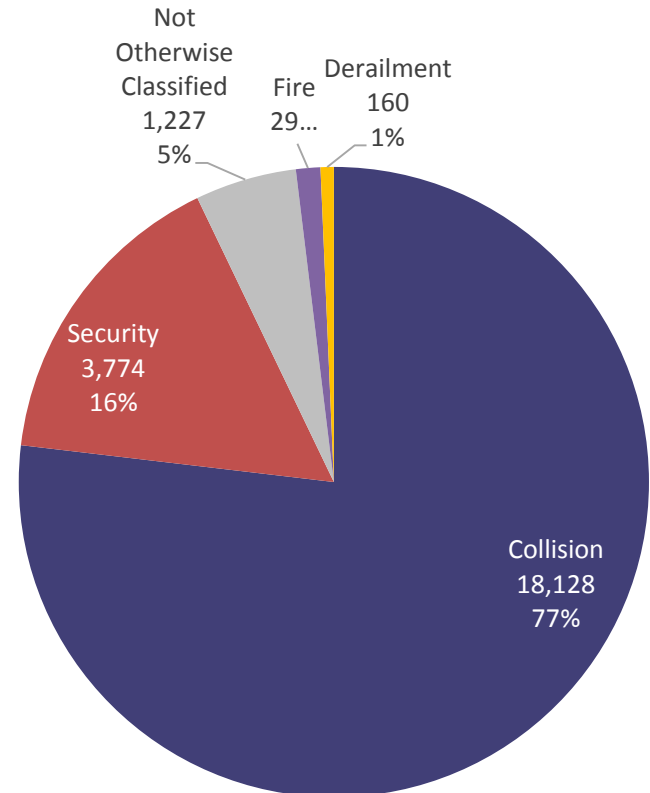
- Event Reports for Each Event Meeting Threshold
 - One or More Fatalities
 - One or More Serious Injuries
 - Rail Collisions at a Grade Crossing, with a Person, or with a Rail Vehicle
 - Derailments
 - Property Damage Greater than \$25,000 (bus only); substantial damage (rail only)
 - Evacuations Due to Life Safety Reasons
 - Runaway Trains

Safety Events

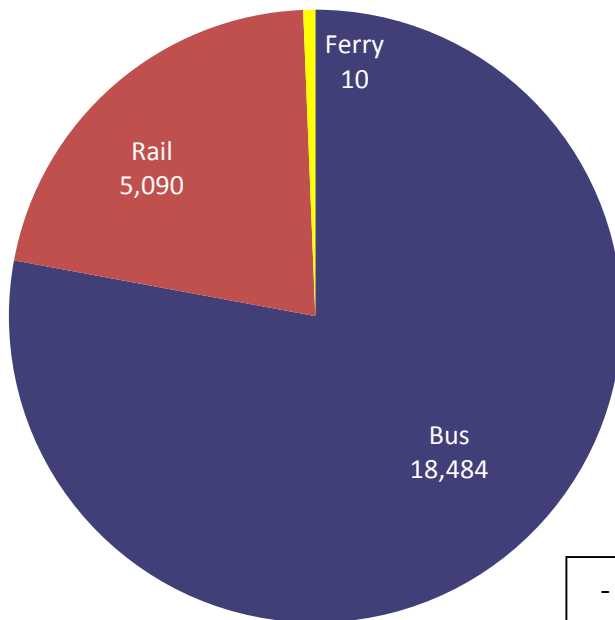
There were 23,584 major events reported to the NTD in 2014, 2015, and 2016. When an event meets the major event threshold, the reporting agency is required to report on details of the event.

These 23,584 events resulted in 31,841 reported injuries and 745 fatalities.

23,584 Reported Event Types 2014-2016



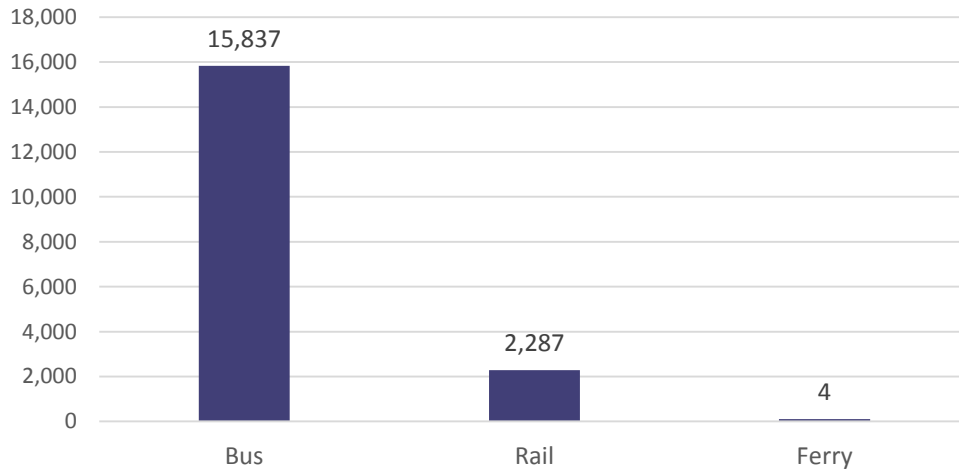
23,584 Recorded Events by Mode 2014-2016



- Bus: 268 events per billion PMT.
- Rail: 82 events per billion PMT.
- Ferry: 8 events per billion PMT.

Collisions

18,128 Collisions 2014-2016

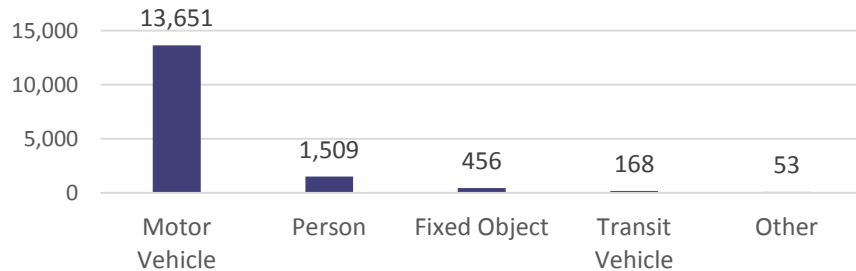


The majority of collisions are with motor vehicles for both Bus and Rail modes.

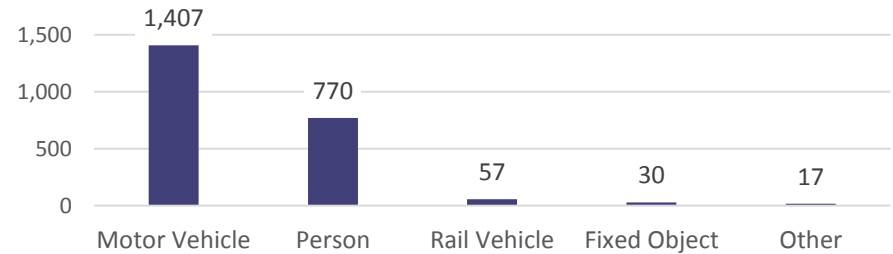
Ferries reported four total collisions, three with fixed objects and one with another vessel.

- Bus: 1.8 collisions per million VRM.
- Rail: 1.0 collisions per million VRM.
- Ferry: 0.4 collisions per million VRM.

15,837 Bus Collisions

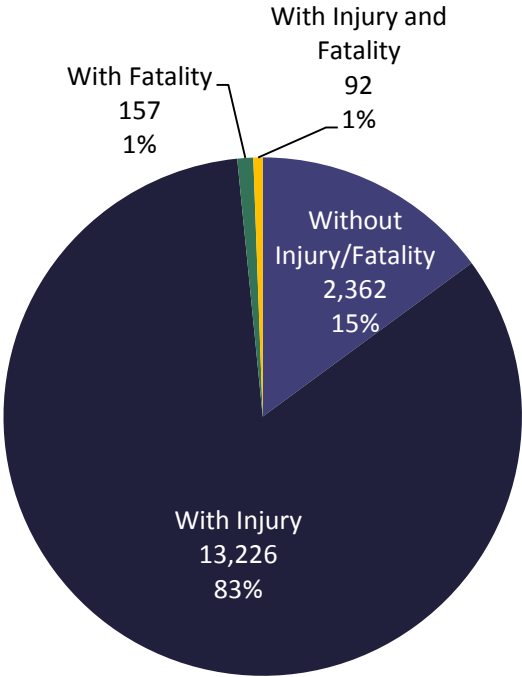


2,281 Rail Collisions

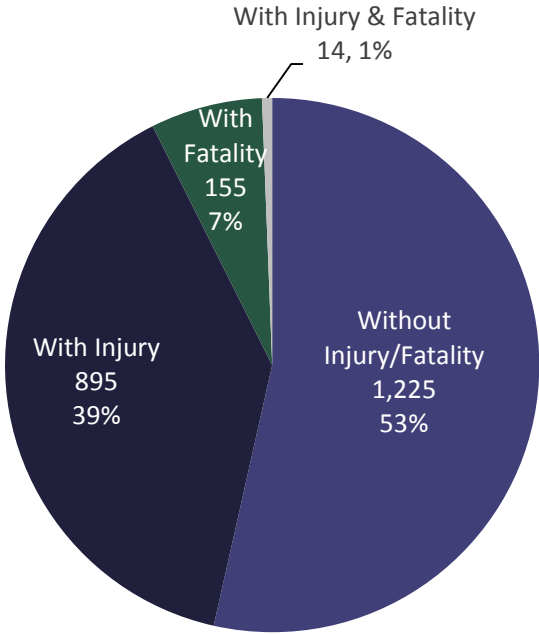


Collisions

Bus Collisions



Rail Collisions



- Collisions without Injury or Fataality
- Collisions with Injury
- Collisions with Fataality
- Collisions with Injury and Fataality

Fatalities

In 2014, 2015, and 2016 there were 727 events reported to the NTD that resulted in 745 fatalities. These fatalities include 433 from rail events, 310 from bus events, and 2 from ferryboat events. Both ferryboat fatalities are identified as suicides.

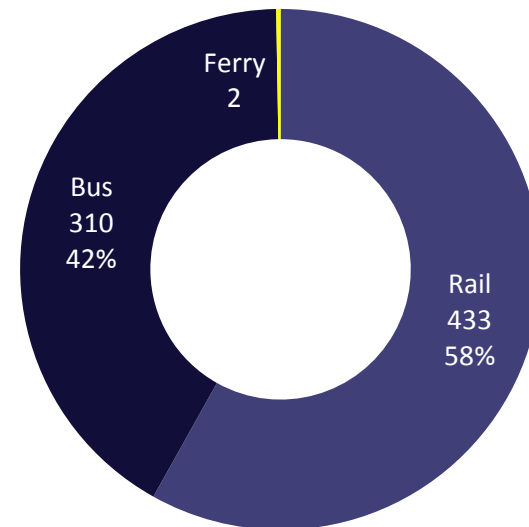
Fatality Rate

A total of 132.2 billion passenger miles traveled (PMT) were provided in 2014, 2015, and 2016.

The combined fatality rate in that time was 5.6 fatalities per billion PMT.

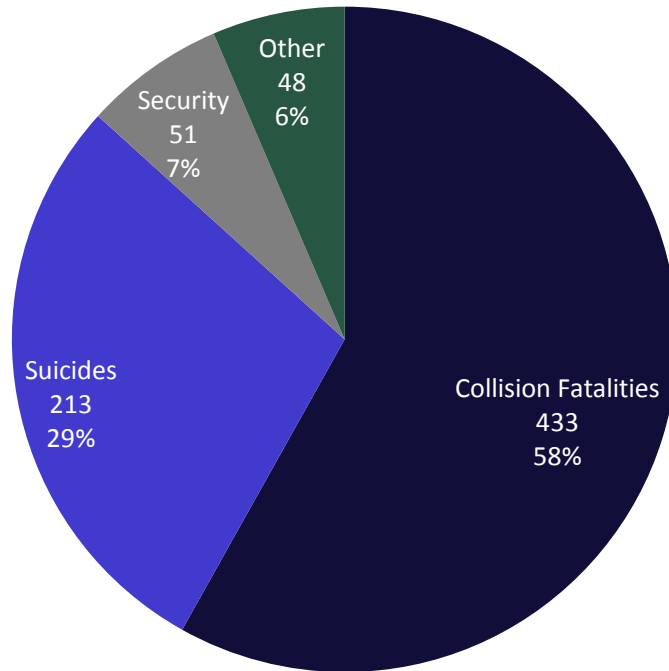
- Bus: 4.5 fatalities per billion PMT.
- Rail: 7.0 fatalities per billion PMT.
- Ferry: 1.5 fatalities per billion PMT.

745 Fatalities by Mode



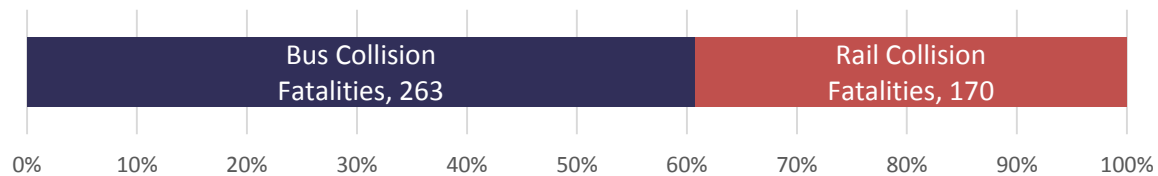
Fatalities

745 Fatalities by Event Type



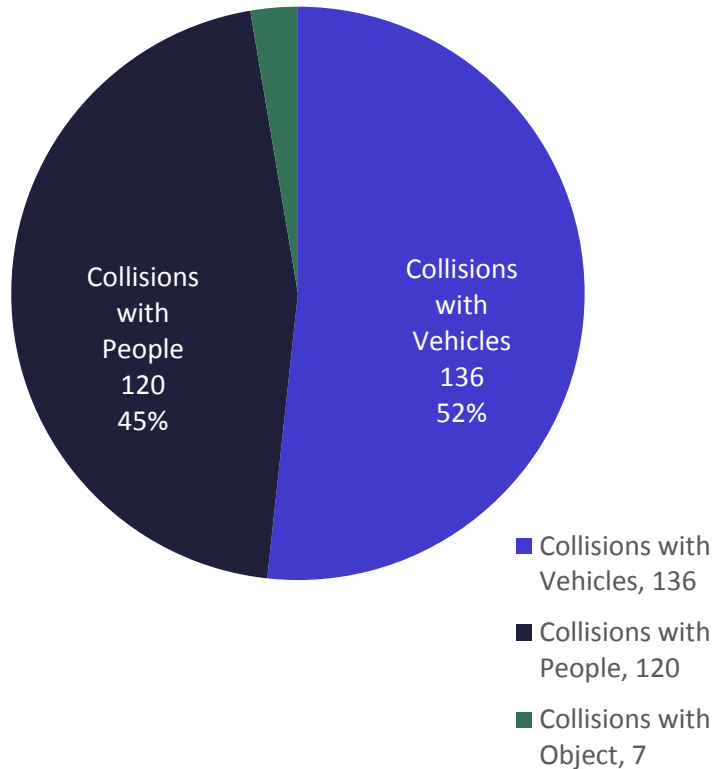
The 'Other' category includes fatalities due to smoke, hard-breaking, slips & falls, electric shock events, and trespassers with unknown cause of death.

433 Collision Fatalities by Mode

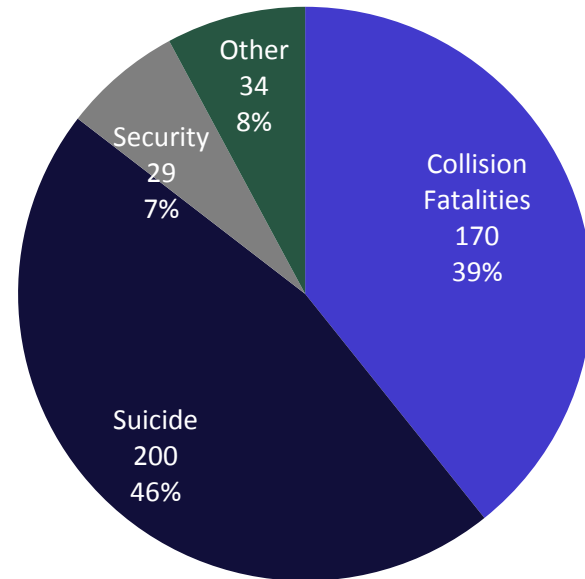


Fatalities

263 Collision Fatalities on Bus Modes



433 Rail Fatalities by Event Types

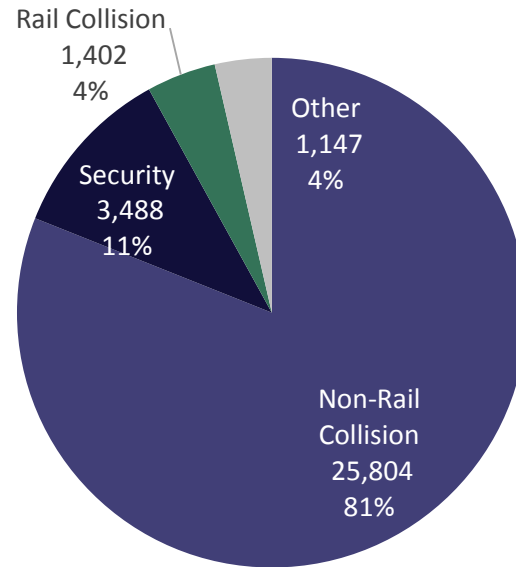
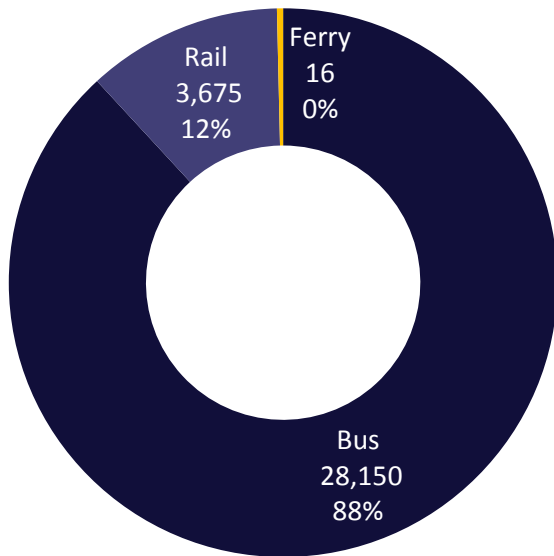


Heavy rail fatalities account for 68% of the 433 fatalities across all rail modes, while 29% are from light rail.

Rail mode fatalities are comprised of 46% suicides and 39% collisions.

Injuries

31,841 Injuries by Mode



The 'Other' category includes injuries due to derailments, fire, smoke, hard-breaking, slips & falls, and electric shock events.

Injury Rate

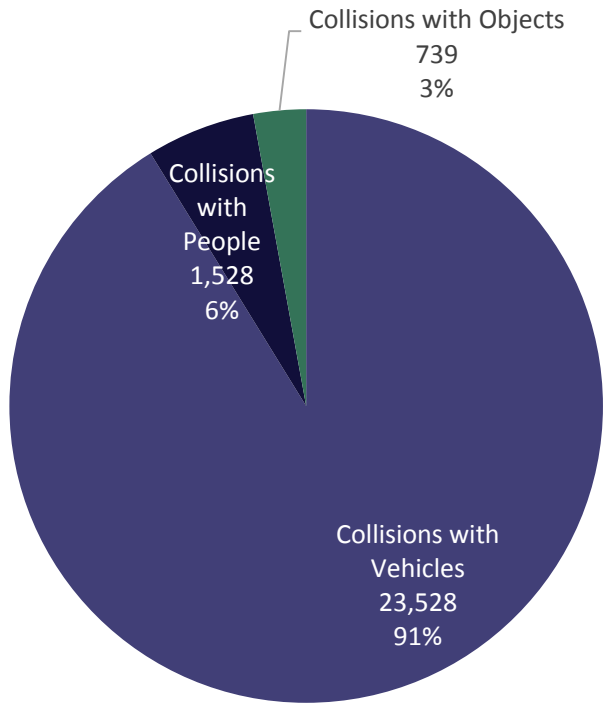
A total of 132.2 billion passenger miles traveled (PMT) were provided in 2014, 2015, and 2016.

The combined injury rate in that time was 241 injuries per billion PMT.

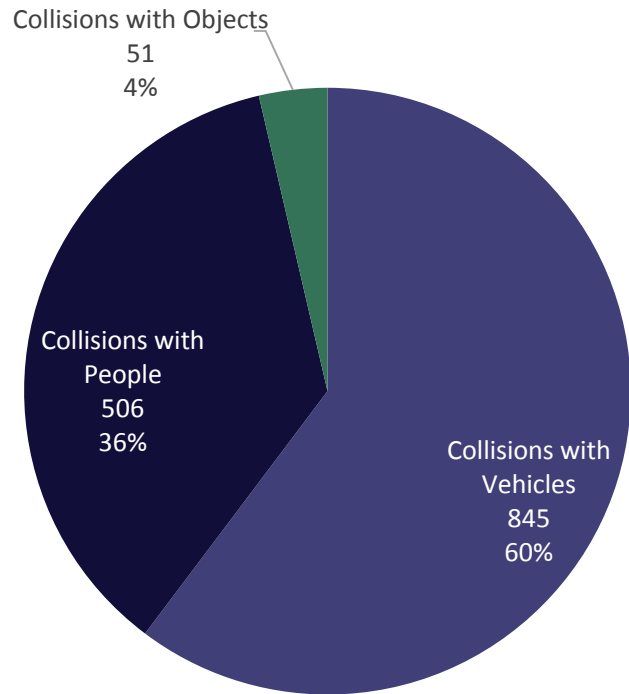
- Bus: 407 injuries per billion PMT.
- Rail: 59 injuries per billion PMT.
- Ferry: 12 injuries per billion PMT.

Injuries

25,795 Collision Injuries on Bus Modes



1,402 Collision Injuries on Rail Modes



NTD Data Products

NTD Website: <https://transit.dot.gov/ntd>

Federal Transit Administration

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National Transit Database

About the NTD

NTD Data

Reference Materials

Reporting Login

The National Transit Database (NTD)

In the United States, transit ridership has grown by more than 20 percent in the last decade, reaching its highest levels since 1957. To keep track of the industry and provide public information and statistics as it continues to grow, FTA's National Transit Database (NTD) records the financial, operating and asset condition of transit systems.

After data reporting was required by Congress in 1974, the NTD was set up to be the repository of data about the financial, operating and asset

Fun Fact of the Month

Use of transit buses powered by fuel cells has grown quickly in the U.S. In 2010, we recorded 814,241 kilowatt hours in battery-powered buses. In 2013, that jumped to 1.1 million kilowatt hours.

Related Links

- [NTD Reporting Tool](#)
- [Sign up for Emails](#)

Contact Us

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