



Massachusetts Bay Transportation Authority

MBTA Quarterly Safety Report

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January 29, 2018



Overview

- Regulatory Updates
- Workplace Safety Improvement Initiative
 - Facility Inspections
- Safety Data Review
 - Employee Injuries & Assaults
 - Derailments
 - Bus Collisions
 - Subway & Bus Fatalities
 - Commuter Rail Trespasser Strikes



Regulatory Updates – FTA & DPU Regulatory Changes

- FTA Final Rule – State Safety Oversight (49 CFR 674)
 - DPU Revised State Safety Program Standard (220 CMR 151)
 - Increased DPU authority; changed incident reporting thresholds
 - New regulation became effective November 28, 2017
 - MBTA-DPU Transition Team formed January 2018





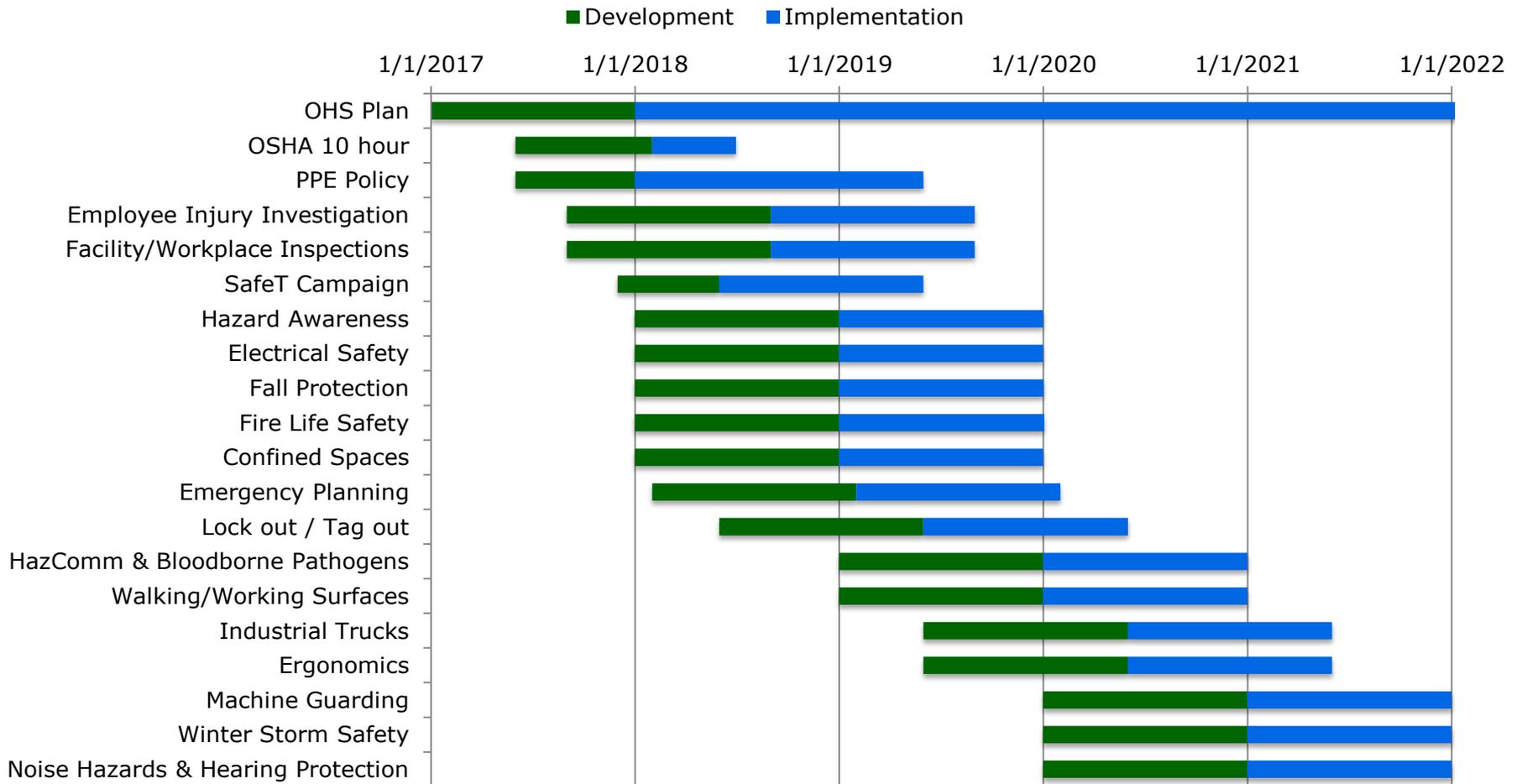
Workplace Safety Improvement Initiative

- Occupational Health & Safety (OHS) Plan
 - Signed by the General Manager on January 17, 2018
- Initiative Development
 - Electrical Safety
 - Confined Space
 - Fall Protection
 - Fire Life Safety/Emergency Egress
 - Facility & Workplace Inspections
 - Hazard Awareness Training
 - Personal Protective Equipment (PPE)
 - Employee Injury Investigations
 - Winter Storm Occupational Safety





OHS Program Development & Implementation*



*Additional applicable programs & policies will be developed and implemented as identified



Facility Inspections

- MBTA Safety scheduled to inspect 20 facilities
- Working with management to perform and record on-site inspections





Facility Inspections

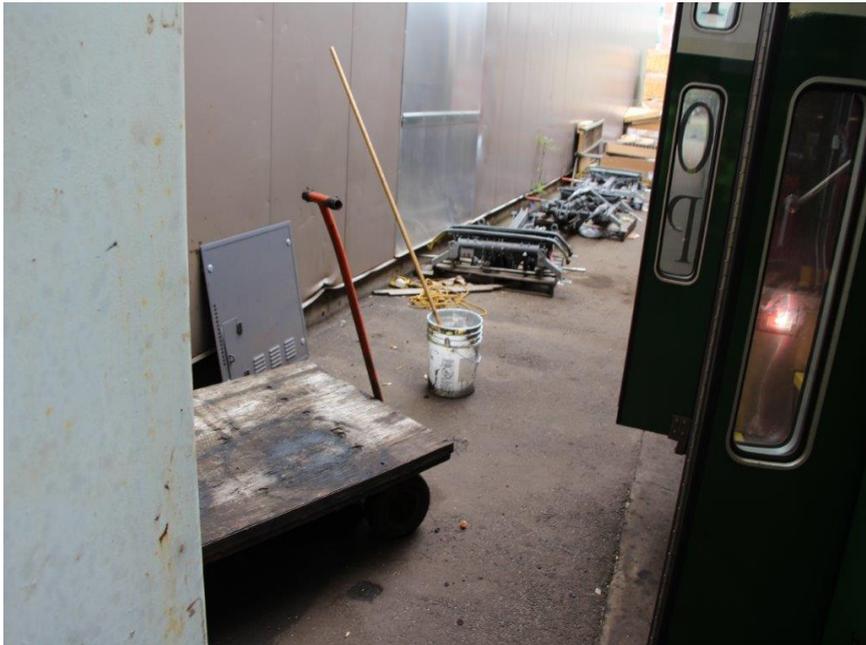
- Riverside Carhouse Track 8





Facility Inspections

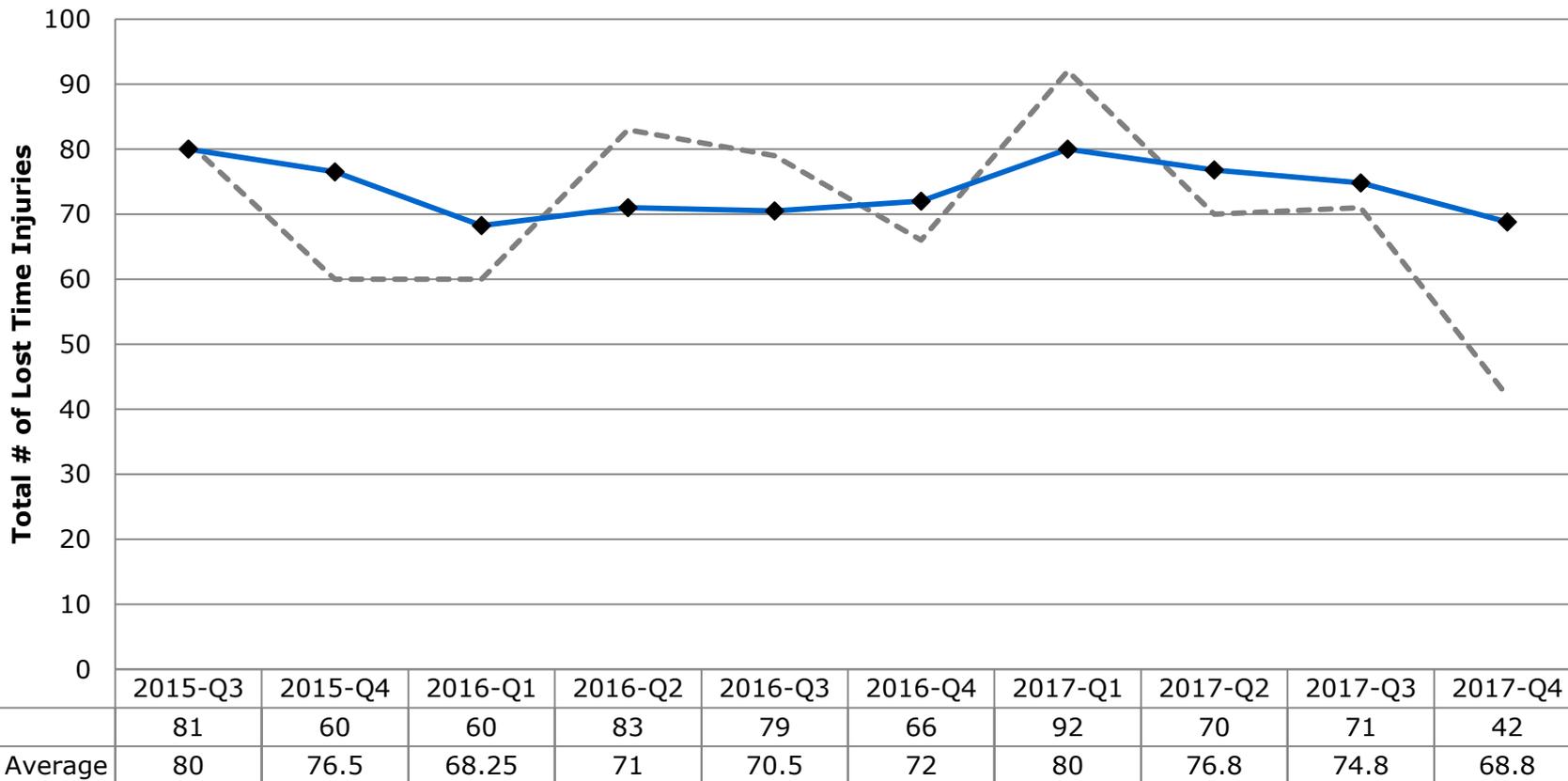
- Riverside Carhouse Track 10





Employee Lost Time Injuries

Employee Lost Time Injuries*

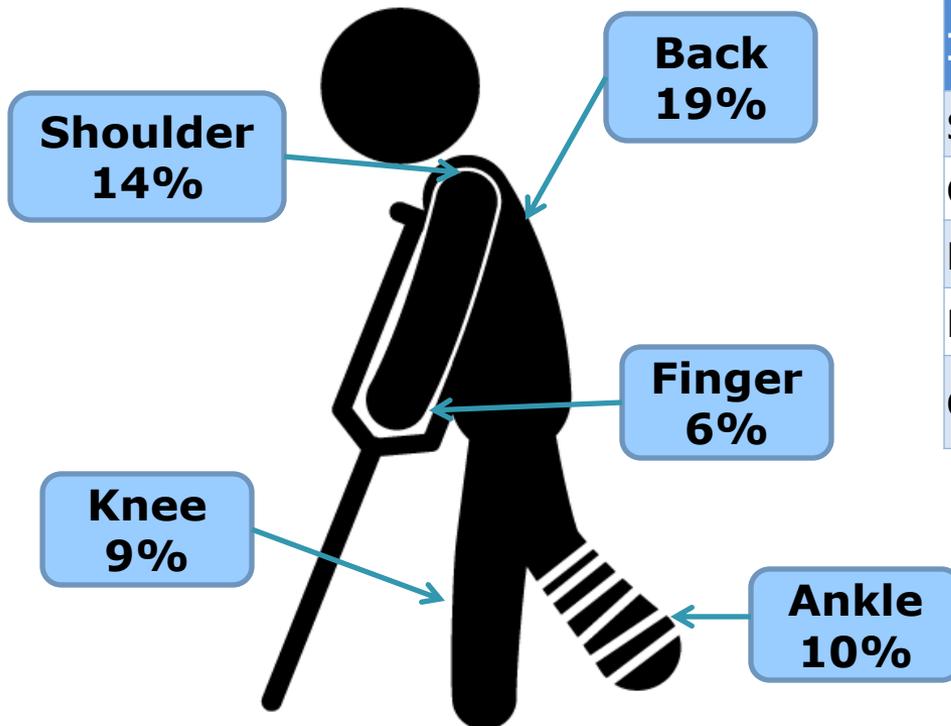


*Totals based on injury reports submitted to MBTA Safety.
 December 2017 data is pending final verification with reporting departments and Worker's Comp.



Employee Injuries

Most Common Lost Time Injured Body Part in 2017*



Most Common Lost Time Injury Types in 2017*

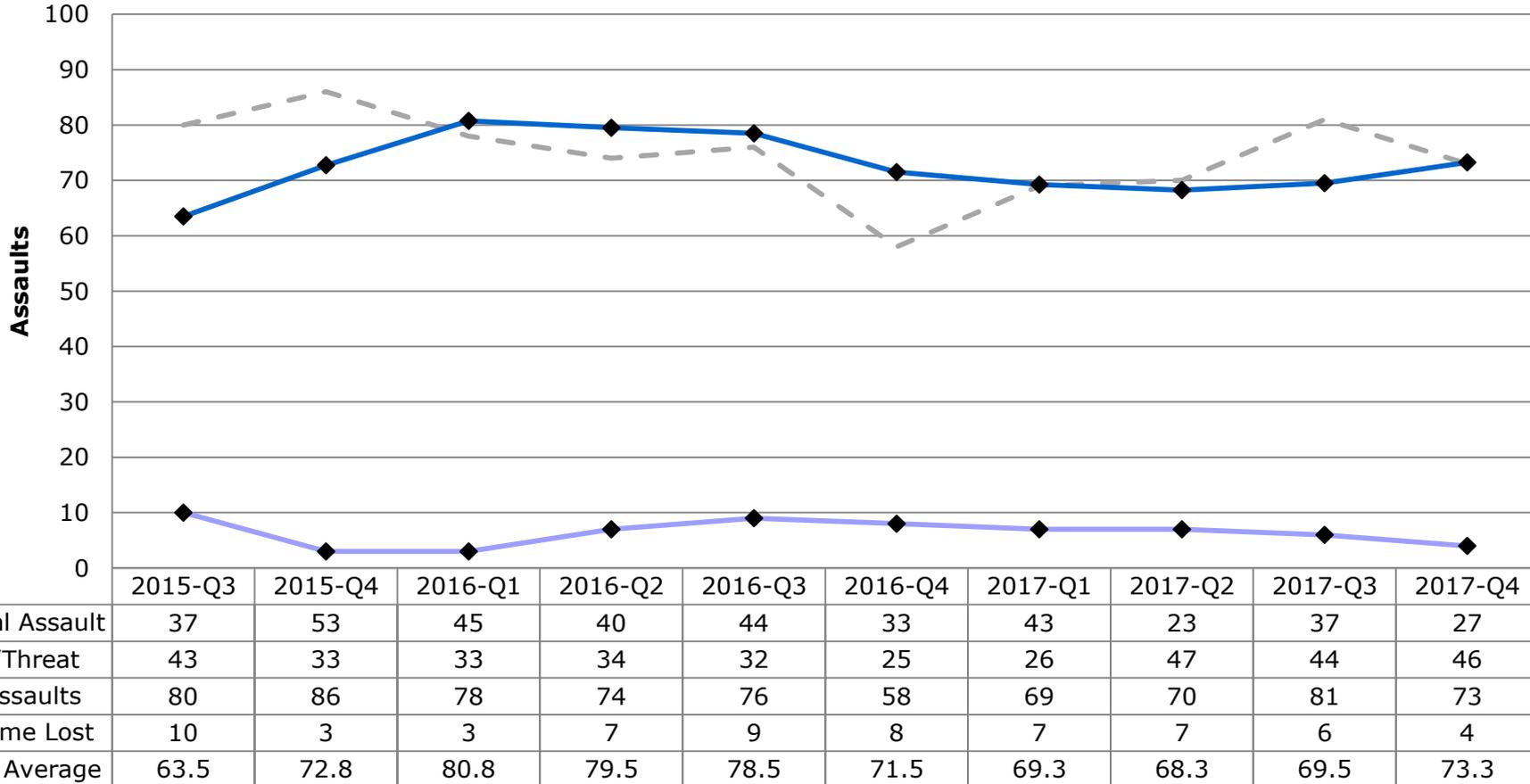
Injury Type	2017 Total	%
Sprains / Strains	164	60%
Contusion / Bruise	26	9%
Psychological	16	6%
Fracture	16	6%
Cut/Laceration	14	5%

*Totals based on injury reports submitted to MBTA Safety as of December 31, 2017 and is pending final verification with reporting departments and Worker's Comp.



Assaults on Employees

Assaults on Employees*

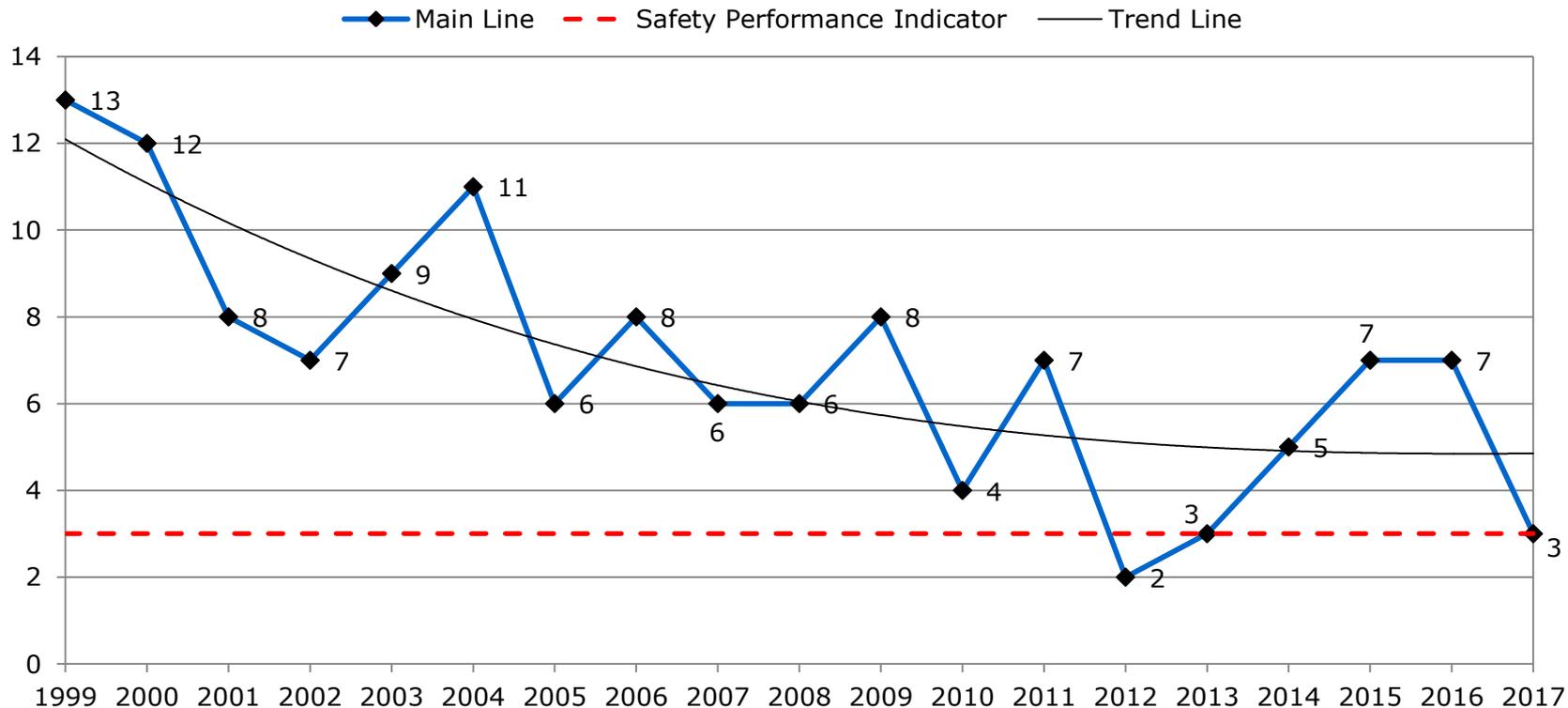


*Totals based on a review of Operations Logs and injury reports submitted to MBTA Safety



Derailments – Data Review

Yearly Main Line Derailments 1999-2017

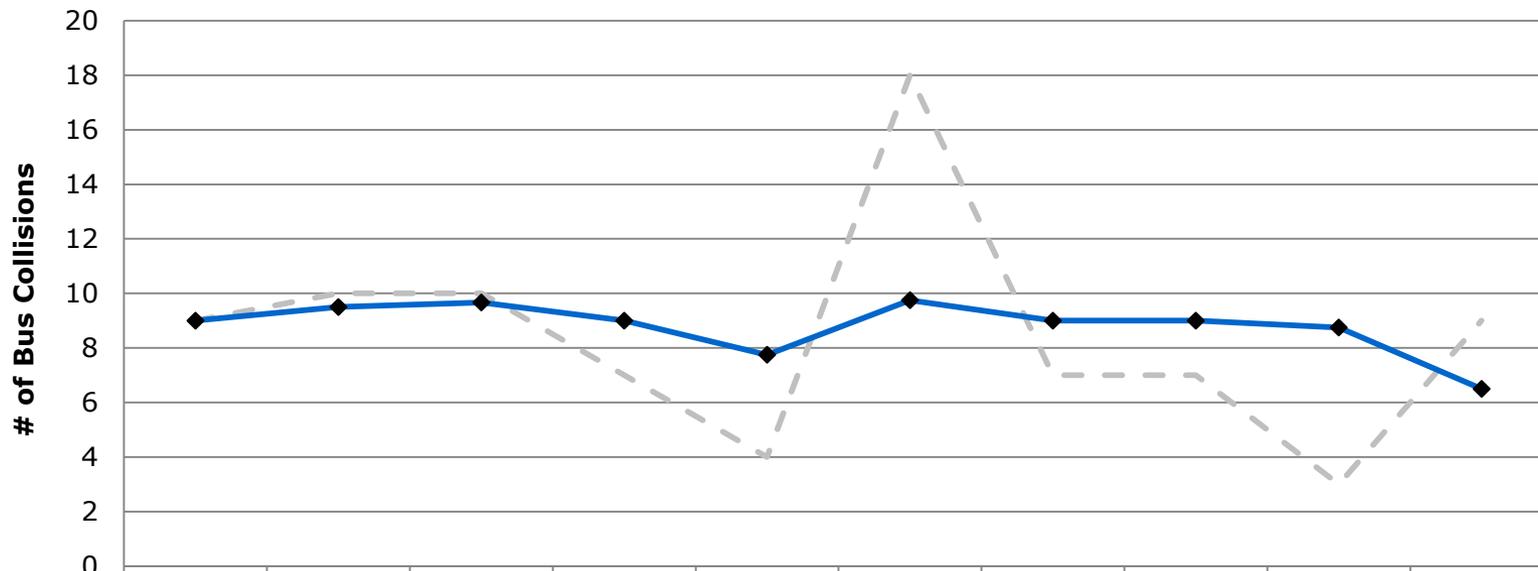


MBTA Safety has coordinated with Transportation Management to improve Investigation processes & procedures.



Bus Collisions

Reportable Bus Collisions*



	2015-Q3	2015-Q4	2016-Q1	2016-Q2	2016-Q3	2016-Q4	2017-Q1	2017-Q2	2017-Q3	2017-Q4
Bicyclist	2	2	0	1	0	4	0	1	0	0
Object	0	0	1	0	0	0	0	0	0	0
Person	2	4	7	3	2	11	4	4	0	5
Vehicle	5	4	2	3	2	3	3	2	3	4
— Total Collisions	9	10	10	7	4	18	7	7	3	9
◆ Total Rolling Average	9.0	9.5	9.7	9.0	7.8	9.8	9.0	9.0	8.8	6.5

*Reportable bus collisions are collisions with a person requiring transport to a medical facility, any collision involving three or more transports for medical treatment, or any collision resulting in property damage \geq \$50,000.



Bus & Subway Fatalities – 2014-2017

Bus and Subway Fatalities CY 2014-2017*

