



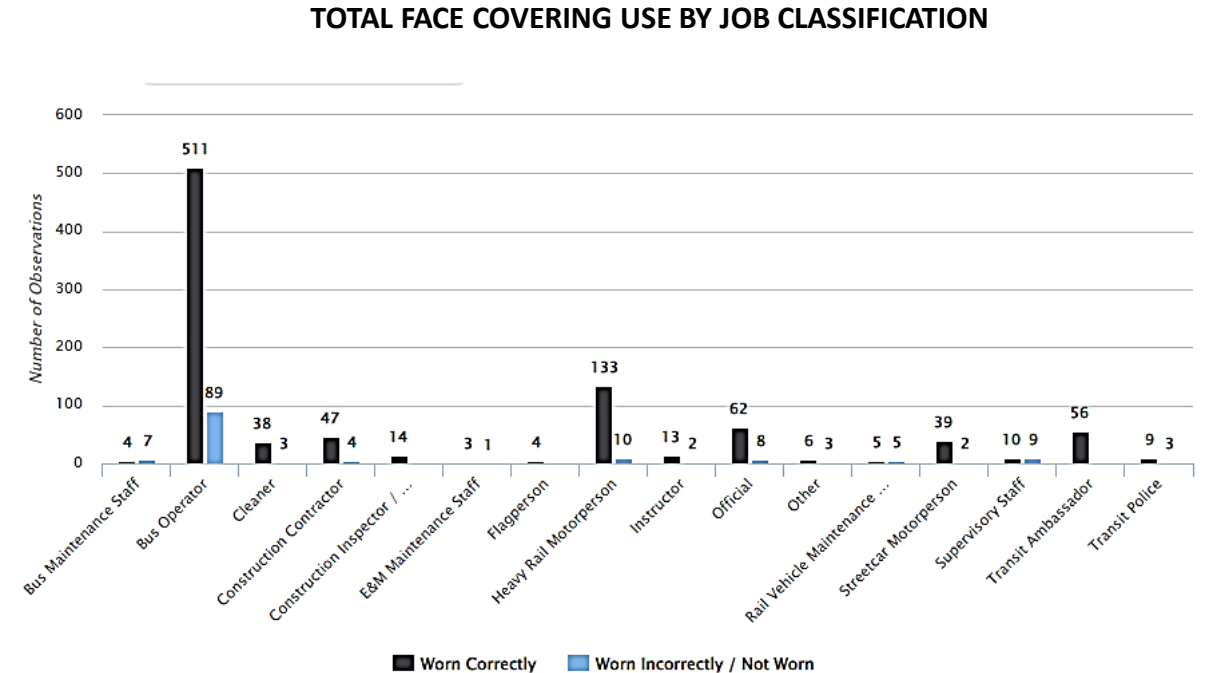
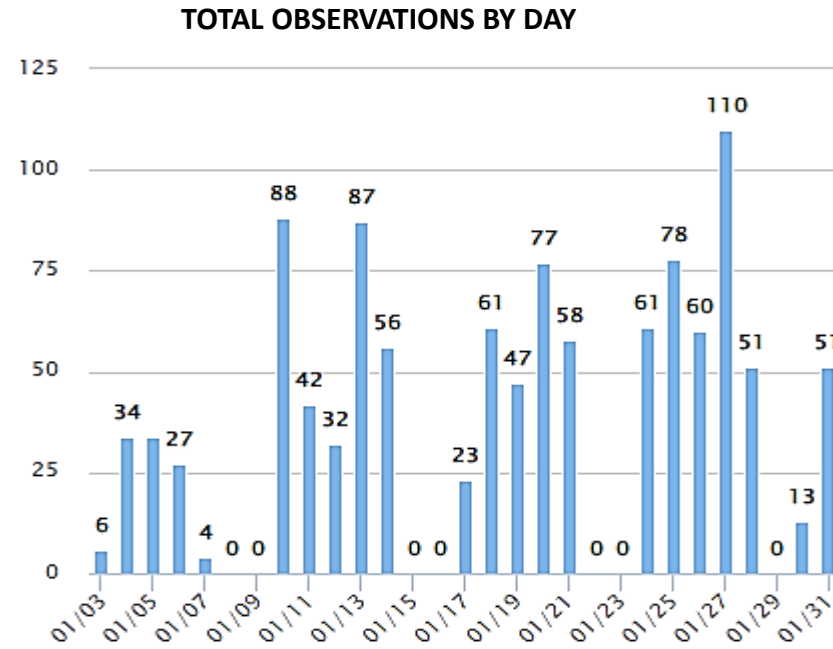
**Massachusetts Bay
Transportation Authority**

Safety Data Report

March 24, 2022

COVID-19

Face Covering Observations



In January, there were 1,100 observations with approximately 86.73% compliant, 11.73% not in compliance, and 1.55% in possession of a face covering but not wearing it appropriately or in accordance with the policy.

The most commonly observed groups during this period were Bus Operators (54.55%), Heavy Rail Motorperson (13.00%), and Officials (6.36%).



SAFETY HOTLINE

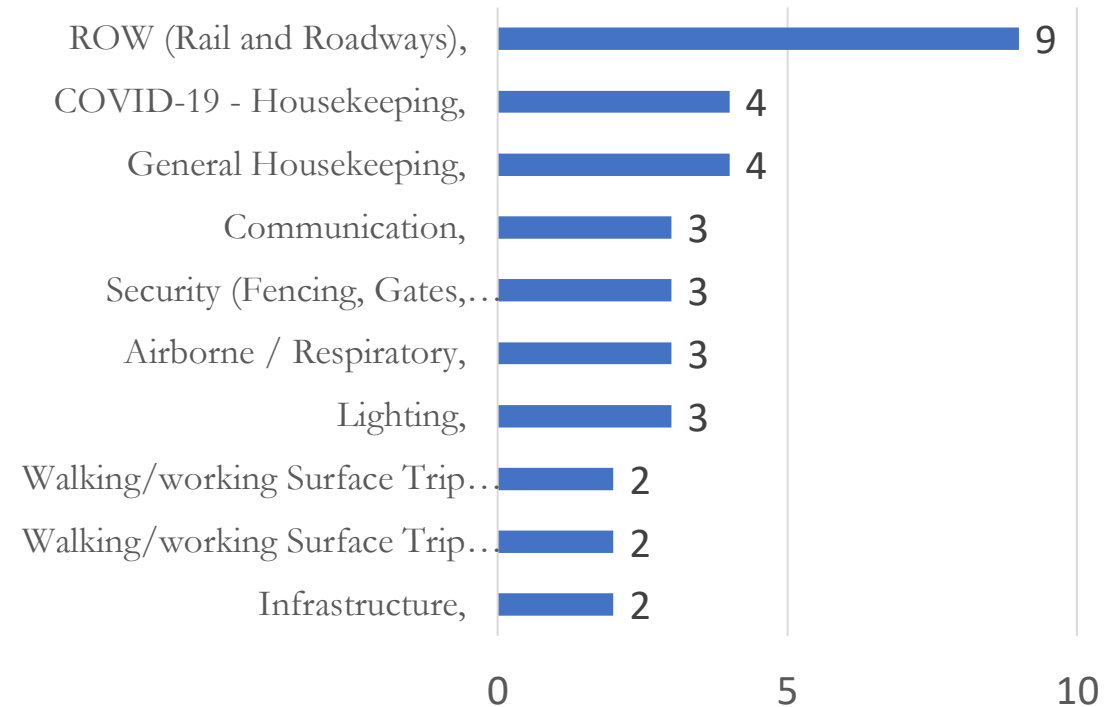
REPORTING SYSTEM

Safety Hotline Reporting Options

- Safety Hotline: (617) 222-SAFE/7233
- Safety Notification email: SafetyNotification@mbta.com
- Direct reporting to an MBTA Safety official
- Submitting Form B by email, to an MBTA Safety official, or by fax: (617) 222-5127

Month	Total Reports	Closed
Nov 2021	21	13
Dec 2021	14	9
Jan 2022	15	7
Total	50	29

Safety Hotline Reports by Hazard Types (2 or more): Last 3 months



BUS

SAFETY PERFORMANCE INDICATORS

Bus - Safety Performance Indicators																			
Bus	2021 Monthly Target	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	2021 Target	2021 Total	2022 Monthly Target	Jan-22	2022 Target	2022 YTD
Customer Injuries - Rate per million passenger trips	2.95	2.58	2.37	3.83	3.56	2.14	3.44	2.51	2.40	3.31	2.62	2.23	4.71	2.95	2.99	2.93	2.18	2.93	2.18
Collisions - Rate per million revenue miles	85.63	47.49	53.28	49.22	54.78	61.90	64.39	57.64	59.18	73.02	60.37	58.27	64.44	85.63	58.60	57.42	74.58	57.42	74.58
with Vehicle - Rate per million revenue miles	N/A	32.65	43.05	31.97	44.10	47.72	49.06	43.60	46.29	59.16	48.00	47.53	48.59	N/A	45.08	44.18	59.66	44.18	59.66
with Object - Rate per million revenue miles	N/A	11.38	5.92	14.21	6.50	10.39	10.73	11.53	8.59	9.59	9.40	9.71	11.25	N/A	9.93	9.73	11.72	9.73	11.72
with Person - Rate per million revenue miles	N/A	0.49	1.08	1.01	1.39	2.83	1.53	0.50	3.34	1.07	2.47	1.02	1.53	N/A	1.54	1.51	0.53	1.51	0.53
with T Vehicle - Rate per million revenue miles	N/A	2.97	3.23	2.03	2.79	0.94	3.07	2.00	0.95	3.20	0.49	0.00	3.07	N/A	2.04	2.00	2.66	2.00	2.66
Reportable Smoke/Fire Incidents	1	0	0	1	0	3	0	3	2	1	1	3	2	15	16	1	1	15	1
Mean Miles between Mechanical Failures	18,000	30,160	24,817	32,886	29,916	34,707	32,075	32,018	23,284	29,301	26,073	22,281	31,775	18,000	28,638	18,000	18,531	18,000	18,531

In January 2022, bus ridership was at approximately 56% of the 2019 ridership.



RAIL

SAFETY PERFORMANCE INDICATORS - Heavy Rail

Heavy Rail - Safety Performance Indicators																			
Heavy Rail	2021 Monthly Target	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	2021 Target	2021 Total	2022 Monthly Target	Jan-22	2022 Target	2022 YTD
Mainline Revenue Train Derailments	0	0	0	1	0	0	0	0	0	1	0	0	0	0	2	0	0	0	0
Mainline Non-Revenue Train Derailments	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0
Mean Miles between Mechanical Failures	47,000	40,324	51,666	76,206	55,634	41,955	47,064	48,344	51,118	40,399	29,975	39,987	42,484	47,000	44,617	47,500	26,193	47,500	26,193

Orange Line	2021 Monthly Target	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	2021 Target	2021 Total	2022 Monthly Target	Jan-22	2022 Target	2022 YTD
Customer Injuries - Rate per million passenger trips	2.99	3.97	5.75	3.44	2.61	2.26	3.53	2.78	2.20	1.52	4.95	3.09	2.53	2.99	3.12	3.06	1.58	3.06	1.58
Collisions - Rate per million revenue miles	0.77	1.92	2.09	3.07	5.32	4.28	2.25	0.00	3.54	2.01	2.12	0.00	2.13	0.77	2.32	2.27	0.00	2.27	0.00
Reportable Smoke/Fire Incidents	5	1	2	3	4	6	2	3	1	2	0	3	2	56	29	2	1	28	1

Red Line	2021 Monthly Target	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	2021 Target	2021 Total	2022 Monthly Target	Jan-22	2022 Target	2022 YTD
Customer Injuries - Rate per million passenger trips	4.36	5.33	7.78	5.62	4.67	2.08	2.26	2.45	2.33	1.98	1.79	3.55	1.89	4.36	3.05	3.01	6.22	3.01	6.22
Collisions - Rate per million revenue miles	0.48	0.00	2.08	0.00	1.10	0.00	2.14	1.89	0.00	0.00	0.00	2.85	0.91	0.48	0.90	0.88	1.88	0.88	1.88
Reportable Smoke/Fire Incidents	5	5	12	10	6	4	9	2	6	3	5	4	5	63	71	5	6	70	6

Blue Line	2021 Monthly Target	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	2021 Target	2021 Total	2022 Monthly Target	Jan-22	2022 Target	2022 YTD
Customer Injuries - Rate per million passenger trips	1.02	0.00	5.42	0.00	0.00	1.23	0.00	0.00	0.00	0.00	2.65	1.07	3.52	1.02	1.07	1.05	4.02	1.05	4.02
Collisions - Rate per million revenue miles	0.21	0.00	3.13	0.00	0.00	3.06	0.00	0.00	2.74	0.00	0.00	0.00	0.00	0.21	0.73	0.72	6.03	0.72	6.03
Reportable Smoke/Fire Incidents	1	3	2	2	0	1	1	1	0	0	0	0	1	6	11	1	0	11	0

In January 2022, heavy rail ridership was at approximately 37% of the ridership compared to 2019.



RAIL

SAFETY PERFORMANCE INDICATORS – Light Rail

Light Rail - Safety Performance Indicators																			
Light Rail	2021 Monthly Target	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	2021 Target	2021 Total	2022 Monthly Target	Jan-22	2022 Target	2022 YTD
Mainline Revenue Train Derailments	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	1	0
Mainline Non-Revenue Train Derailments	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0
Mean Miles between Mechanical Failures	7,000	9,719	7,830	9,511	12,202	7,814	7,280	5,721	6,077	7,308	7,516	8,393	7,817	7,000	7,780	7,500	7,329	7,500	7,329
Green Line	2021 Monthly Target	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	2021 Target	2021 Total	2022 Monthly Target	Jan-22	2022 Target	2022 YTD
Customer Injuries - Rate per million passenger trips	4.23	6.10	6.04	5.88	1.61	1.60	2.00	14.37	1.60	1.69	1.60	1.55	1.56	4.23	3.53	3.48	2.16	3.48	2.16
Collisions - Rate per million revenue miles	6.65	7.85	4.81	2.28	0.00	5.30	2.48	9.43	4.67	2.19	2.10	4.14	7.98	6.65	4.53	4.44	6.27	4.44	6.27
Reportable Smoke/Fire Incidents	4	5	5	3	1	2	3	0	2	1	0	7	5	45	34	3	3	33	3

In January 2022, light rail ridership was at approximately 33% of the ridership compared to 2019.



SAFETY INITIATIVES

Notable Safety Initiatives in January 2022

OSHA 300A Logs for 2021

The OHS Team, in collaboration with Worker's Compensation, prepared the OSHA 300A injury summary logs for the Authority. These logs summarize all the OSHA recordable and reportable injuries that occurred by area for calendar year 2021. These logs have been disseminated to the areas and must be posted for review from February 1 through April 30.

Utilizing the data collected for the OSHA 300 Logs, the MBTA was able to calculate a 2021 Recordable Injury Incident Rate of 7.4. The Bureau of Labor Statistics average Recordable Injury 2020 Rate for urban transit was 6.1. The 2021 average rate is pending publication.

OSHA's Form 300A (Rev. 01/2004)
Summary of Work-Related Injuries and Illnesses

Year: 2021
 U.S. Department of Labor
 Occupational Safety and Health Administration

All establishments covered by Part 1904 must complete this Summary page, even if no injuries or illnesses occurred during the year. Remember to review the Log to verify that the entries are complete.

Using the Log, count the individual entries you made for each category. Then write the totals below, making sure you've added the entries from every page of the log. If you had no cases, write "0."

Employees, former employees, and their representatives have the right to review the OSHA Form 300 in its entirety. They also have limited access to the OSHA Form 300 on its equivalent. See 29 CFR 1904.25, in OSHA's Recordkeeping rule, for further details on the access procedures for these forms.

Number of Cases			
Total number of deaths	Total number of cases with days away from work	Total number of cases with job transfer or restriction	Total number of lost workdays
0	415	0	39
(C)	(H)	(I)	(J)

Number of Days	
Total number of days away from work	Total number of days of job transfer or restriction
20,004	0
(K)	(L)

Injury and Illness Types			
Total number of...			
(1) Injury	435	(4) Poisoning	0
(2) Skin Disorder	1	(5) Hearing Loss	1
(3) Respiratory Condition	2	(6) All Other Illnesses	10

Establishment Information

Your establishment name: Massachusetts Bay Transportation Authority
 Street: 10 Park Plaza
 City: Boston State: MA Zip: 02116
 Industry description (e.g., Manufacturing of motor vehicles):
 Motor Vehicle Repair
 Standard Industrial Classification (SIC), 4 digits (e.g., 3600):
 3600
 OR: North American Industry Classification (NAICS), 6 digits (e.g., 336212):
 336212


Employment Information

Annual average number of employees: 6,117
 Total hours worked by all employees last year: 12,234,000

Sign Here

Knowingly falsifying this document may result in a fine.

I certify that I have examined this document and that to the best of my knowledge the entries are true, accurate, and complete.


 Chief Safety Officer
 Title: TSM
 Date: 1/20/2022

Post this Summary page from February 1 to April 30 of the year following the year covered by the form.

Penalty: Reporting false information for the collection of information is considered to be a crime. It is a crime to knowingly provide false information, to make a false statement, and to make a false statement. Penalties are not imposed on anyone for the collection of information unless it is shown that the person knowingly provided false information. If you have any comments about these penalties or any aspects of this collection, contact: U.S. Department of Labor, OSHA Office of Statistics, Room 4-100, 200 Constitution Ave. NW, Washington, DC 20510. E-mail: osha-osh-slc@hhs.gov.

