



**Massachusetts Bay
Transportation Authority**

Safety Data Report

April 28, 2022

SAFETY HOTLINE REPORTING SYSTEM



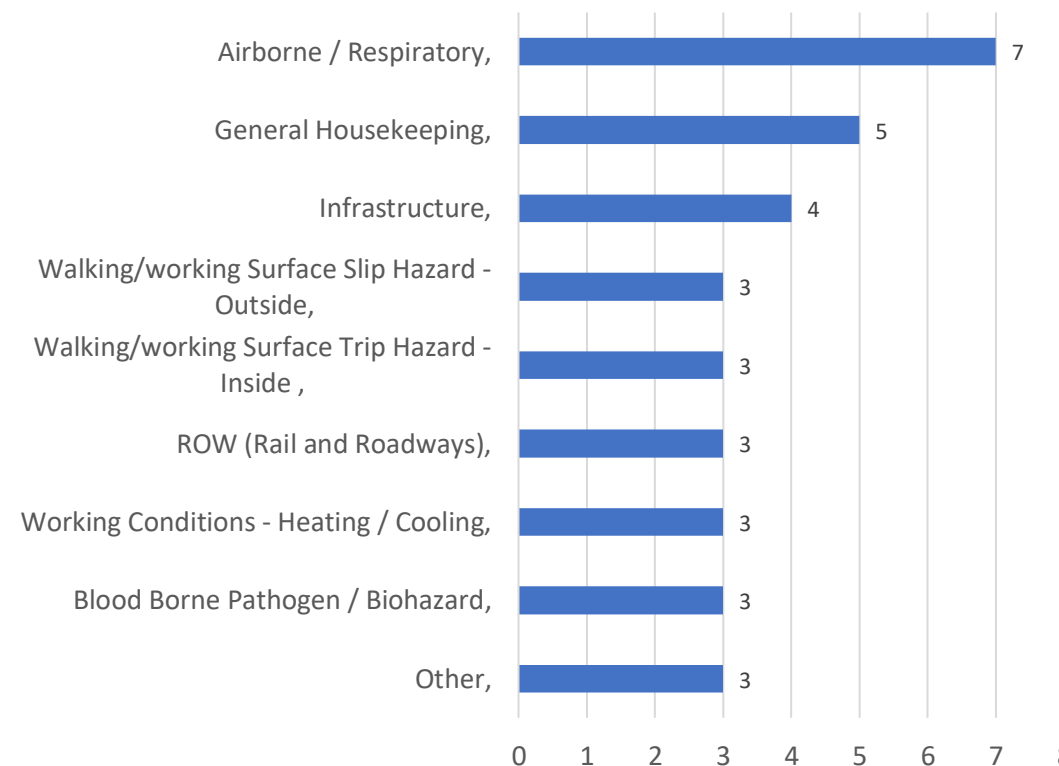
Safety Hotline Reporting Options

- 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
Dec 2021	14	10
Jan 2022	15	9
Feb 2022	24	10
Total	53	29

As of 3/11/2022

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

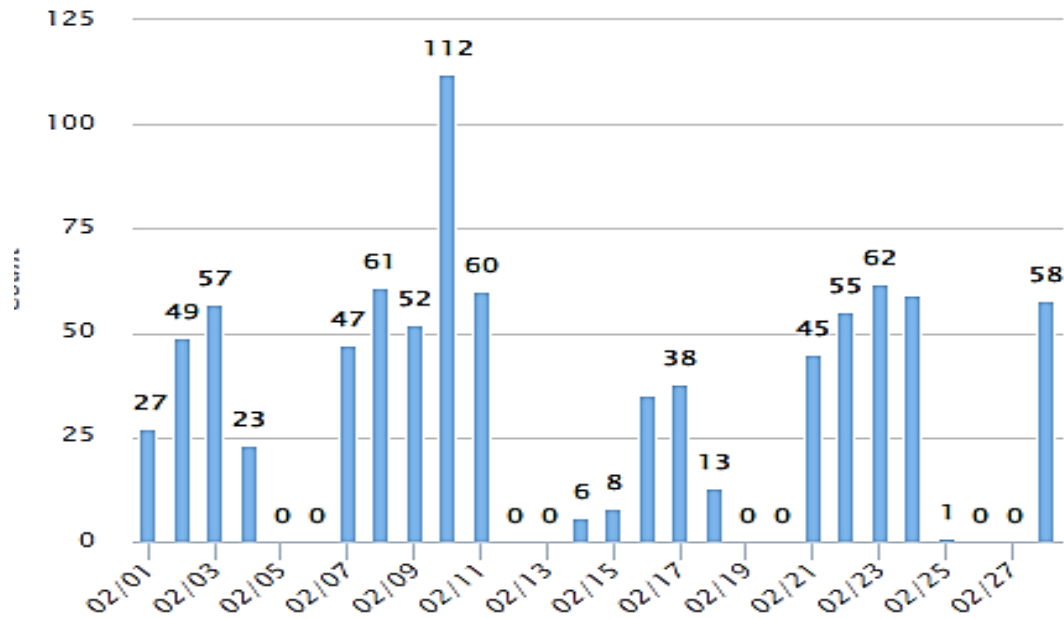


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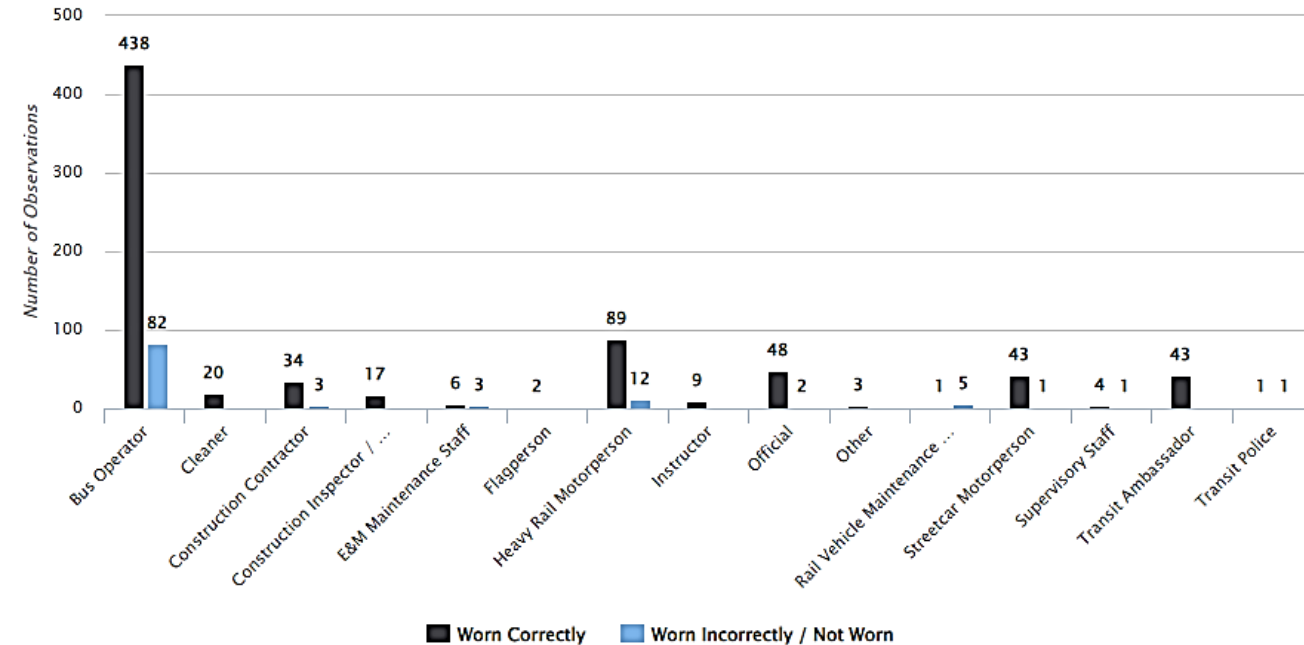
COVID-19

Face Covering Observations

TOTAL OBSERVATIONS BY DAY



TOTAL FACE COVERING USE BY JOB CLASSIFICATION



In February, there were 868 observations with approximately 87.33% compliant, 11.64% not in compliance, and 1.04% 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 (59.91%), Heavy Rail Motorperson (11.64%), and Officials (5.76%).



BUS

SAFETY PERFORMANCE INDICATORS

Bus - Safety Performance Indicators																			
Bus	2021 Monthly Target	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	Feb-22	2022 Target	2022 YTD
Customer Injuries - Rate per million passenger trips	2.95	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	3.30	2.93	2.76
Collisions - Rate per million revenue miles	85.63	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	79.83	57.42	77.07
with Vehicle - Rate per million revenue miles	N/A	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	61.50	44.18	60.53
with Object - Rate per million revenue miles	N/A	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	14.78	9.73	13.17
with Person - Rate per million revenue miles	N/A	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	1.77	1.51	1.12
with T Vehicle - Rate per million revenue miles	N/A	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	1.77	2.00	2.24
Reportable Smoke/Fire Incidents	1	0	1	0	3	0	3	2	1	1	3	2	15	16	1	1	0	15	1
Mean Miles between Mechanical Failures	18,000	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	25,000	18,531	22,047	25,000	20,138

In February 2022, bus ridership was at approximately 64% of the 2019 ridership.



RAIL

SAFETY PERFORMANCE INDICATORS - Heavy Rail

Heavy Rail - Safety Performance Indicators																				
Heavy Rail	2021 Monthly Target	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	Feb-22	2022 Target	2022 YTD	
Mainline Revenue Train Derailments	0	0	1	0	0	0	0	0	1	0	0	0	0	2	0	0	0	0	0	
Mainline Non-Revenue Train Derailments	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	
Mean Miles between Mechanical Failures	47,000	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	33,891	47,500	29,385	

Orange Line	2021 Monthly Target	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	Feb-22	2022 Target	2022 YTD
Customer Injuries - Rate per million passenger trips	2.99	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	1.57	3.25	3.06	2.46
Collisions - Rate per million revenue miles	0.77	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	0.00	2.27	0.00
Reportable Smoke/Fire Incidents	5	2	3	4	6	2	3	1	2	0	3	2	56	29	2	1	5	28	6
Red Line	2021 Monthly Target	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	Feb-22	2022 Target	2022 YTD
Customer Injuries - Rate per million passenger trips	4.36	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	5.75	3.99	3.01	4.79
Collisions - Rate per million revenue miles	0.48	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	0.00	0.88	0.94
Reportable Smoke/Fire Incidents	5	12	10	6	4	9	2	6	3	5	4	5	63	71	5	6	11	70	17
Blue Line	2021 Monthly Target	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	Feb-22	2022 Target	2022 YTD
Customer Injuries - Rate per million passenger trips	1.02	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	3.88	0.00	1.05	1.87
Collisions - Rate per million revenue miles	0.21	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	0.00	0.72	3.09
Reportable Smoke/Fire Incidents	1	2	2	0	1	1	1	0	0	0	0	1	6	11	1	0	0	11	0

In February 2022, heavy rail ridership was at approximately 48% of the ridership compared to 2019.



RAIL

SAFETY PERFORMANCE INDICATORS – Light Rail

Light Rail - Safety Performance Indicators																			
Light Rail	2021 Monthly Target	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	Feb-22	2022 Target	2022 YTD
Mainline Revenue Train Derailments	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	1	0
Mainline Non-Revenue Train Derailments	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0
Mean Miles between Mechanical Failures	7,000	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	5,311	7,500	6,206
Green Line	2021 Monthly Target	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	Feb-22	2022 Target	2022 YTD
Customer Injuries - Rate per milllion passenger trips	4.23	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	2.00	3.00	3.48	2.53
Collisions - Rate per million revenue miles	6.65	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	11.32	4.44	8.69
Reportable Smoke/Fire Incidents	4	5	3	1	2	3	0	2	1	0	7	5	45	34	3	3	8	33	11

In February 2022, light rail ridership was at approximately 41% of the ridership compared to 2019.

