

*Reference*

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# Safety Information Reporting and Analysis System (SIRAS)



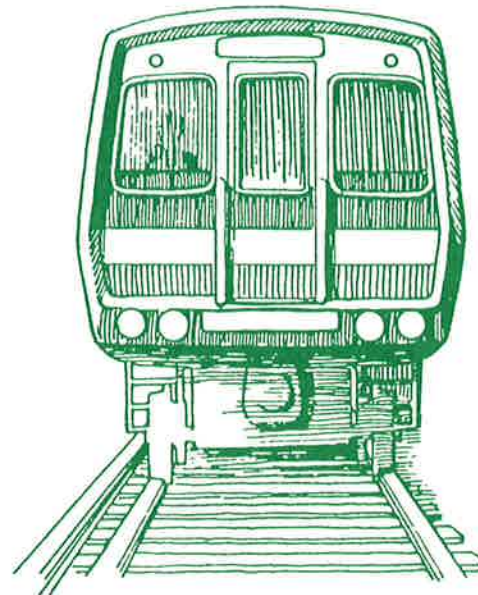
U.S. Department  
of Transportation

**Urban Mass  
Transportation  
Administration**

## HEAVY RAIL TRANSIT SAFETY 1986 Annual Report

Research and Special Programs  
Administration  
Transportation Systems Center  
Cambridge, MA 02142

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Office of Technical Assistance  
Washington DC 20590



**UMTA Technical Assistance Program**

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16. Abstract  <b>The <u>Heavy Rail Transit Safety 1986 Annual Report</u> is a compendium and analysis of heavy rail transit accident and casualty statistics reported by the thirteen heavy rail transit systems in the United States during 1986, under UMTA's Safety Information Reporting and Analysis System (SIRAS)</b>					
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## INTRODUCTION

The Safety Information Reporting and Analysis System (SIRAS) is a voluntary safety reporting system, developed by the Urban Mass Transportation Administration (UMTA) in cooperation with the American Public Transit Association (APTA) and the heavy rail transit (RRT) systems operating in the United States. Since its implementation on January 1, 1983, the operating RRT systems have been reporting transit safety data to UMTA on a monthly basis. New reporting thresholds were established and implemented on January 1, 1986. Up to four transit data reports are submitted: a Statistical Data Report, a Train Accident Report, a Casualty Report and a Fire Report. All transit systems submit a monthly Statistical Data Report containing the total number of car miles and number of passengers in the reporting month. The Train Accident Report, the Casualty Report and a Fire Report are submitted only during those months when reportable (according to specific SIRAS thresholds contained in Appendix A-1) train accidents, fires, or casualties occur.

To assist in understanding the terms used in this report, a glossary has been provided in Section I.

Safety information received in 1986 was collected under the new UMTA Safety Information Reporting and Analysis System (SIRAS), while that received in 1985 was collected under UMTA's old Safety Information Reporting and Analysis System (SIRAS). It would, therefore, be inappropriate to compare 1986 figures with 1985 figures due to the difference in reporting categories between the new and old Safety Information Reporting and Analysis Systems (SIRAS).

Note: Column and row entries may not sum to the total shown due to rounding.

## I. GLOSSARY

The following definitions are to be used as a reference in understanding the terms in this report.

**AUTHORIZED PERSON IN STATION OR OTHER AUTHORIZED LOCATION** - A person legally on a transit system's property in a location deemed licit.

**CAR MILES** - Distances traveled by each rail transit car of a transit system in both revenue and non-revenue service during a reporting period.

**CASUALTY** - A fatality or injury in accordance with SIRAS thresholds.\*

**CASUALTY REPORT** - A SIRAS report containing specific information on individual casualties (fatalities or injuries) submitted to UMTA by rail transit systems on a monthly basis, when applicable.

**COLLISION WITH OBSTACLE** - A SIRAS train accident type involving the collision of a rail transit revenue train with obstacles (e.g., shopping carts, foreign objects, etc.) other than trains and persons.\*

**COLLISION WITH PERSON** - A SIRAS train accident type involving the collision of a rail transit revenue train with a person on a track or platform.\*

**COLLISION WITH OTHER TRAIN** - A SIRAS train accident type involving the collision of a rail transit revenue train with another rail transit train (e.g., revenue or non-revenue train, work train, etc.).\*

**DERAILMENT** - A SIRAS train accident type involving a rail transit revenue train's leaving the rails.\*

**FATALITY** - A death confirmed within 30 days after an incident which occurs under the train accident, fire and casualty thresholds.\*

**FIRE** - A fire incident involving the phenomenon of combustion manifested in light, flame and heat.\*

**FIRE REPORT** - A SIRAS report containing specific information on individual fires (station fires, train in revenue service fires, and right-of-way fires) submitted to UMTA by rail transit systems on a monthly basis, when applicable.

**NON-AUTHORIZED PERSON IN NON-AUTHORIZED LOCATION** - A person illegally on a transit system's property in a location deemed illicit.

**PASSENGER IN UNAUTHORIZED AREA** - A person on, boarding or alighting from a rail transit revenue train in a location deemed illicit.

**PASSENGER IN VEHICLE, BOARDING OR ALIGHTING** - A person on, boarding or alighting from a rail transit revenue train in a location deemed licit.

**RAIL-HIGHWAY CROSSING** - A SIRAS train accident type involving the intersection of an otherwise exclusive (rail transit) right-of-way and a highway where motor vehicle and pedestrian traffic safety is enhanced by one or more crossing warning mechanisms.\*

**TRAIN ACCIDENT** - An event involving one or more revenue trains resulting in any casualty or property damage in accordance with SIRAS thresholds.\*

**TRAIN ACCIDENT REPORT** - A SIRAS report containing specific information on individual train accidents (collisions with trains, collisions with obstacles, collisions with persons, derailments, or rail-highway crossings) submitted to UMTA by rail transit systems on a monthly basis, when applicable.

**STATISTICAL DATA REPORT** - A SIRAS report containing total car miles and total passengers submitted to UMTA by rail transit systems on a monthly basis.

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\* For additional information, please see Appendix A. RRT Thresholds



II. STATISTICAL DATA

(A) PASSENGERS

	1986 FIRST QUARTER	1986 SECOND QUARTER	1986 THIRD QUARTER	1986 FOURTH QUARTER	1986 TOTAL	1986 PERCENT OF TOTAL	1985 TOTAL
BART	13,822,008	14,260,075	14,161,337	14,104,566	56,347,986	3.32	61,492,799
CTA	36,464,656	36,769,940	36,067,638	40,304,482	149,606,716	8.81	155,478,731
GCRTA	1,385,047	1,402,957	1,427,456	1,440,198	5,655,658	.33	5,558,522
MARTA	15,637,000	16,711,000	16,296,000	16,535,000	65,179,000	3.84	64,934,000
MBTA	26,227,600	28,319,000	28,096,000	30,521,825	113,164,425	6.66	109,696,700
MDTA	1,768,995	1,886,658	2,306,902	2,465,637	8,428,192	.50	5,802,672
MTAMD	2,733,433	2,834,469	2,953,315	2,919,902	11,441,119	.67	10,214,244
NYCTA	249,203,831	260,660,334	247,684,850	266,717,037	1,024,266,052	60.31	N/R
PATCO	2,562,029	2,603,946	2,582,119	2,653,388	10,401,482	.61	N/R
PATH	13,771,576	14,490,736	14,886,742	14,638,063	57,787,117	3.40	59,070,730
SEPTA	16,543,149	16,631,589	17,229,746	18,046,526	68,451,010	4.03	71,824,942
SIRTOA	1,550,035	1,656,473	1,538,540	1,650,555	6,395,603	.38	6,049,743
WMATA	28,208,176	30,891,907	32,177,672	29,901,408	121,179,163	7.14	109,881,076
TOTAL	409,877,535	429,119,084	417,408,317	441,898,587	1,698,303,523	100.00	660,004,159

N/R No Report - NYCTA and PATCO did not submit reports for 1985.

II. STATISTICAL DATA

(B) CAR MILES

	1986 FIRST QUARTER	1986 SECOND QUARTER	1986 THIRD QUARTER	1986 FOURTH QUARTER	1986 TOTAL	1986 PERCENT OF TOTAL	1985 TOTAL
BART	7,590,050	7,358,115	7,511,779	7,677,723	30,137,667	6.26	30,799,721
CTA	12,931,474	13,206,509	13,238,818	13,238,818	52,615,619	10.93	52,326,432
GCRTA	541,078	546,386	555,033	553,731	2,196,228	.46	2,145,146
MARTA	3,044,000	3,044,000	3,104,000	3,169,000	12,361,000	2.57	12,491,568
MBTA	3,455,201	3,496,650	3,500,477	3,514,516	13,966,844	2.90	14,579,570
MDTA	519,400	571,464	631,389	644,300	2,366,553	.49	1,888,900
MTAMD	511,400	537,320	557,000	572,800	2,178,520	.45	1,917,579
NYCTA	72,609,379	75,286,671	76,417,181	76,998,469	301,311,700	62.60	N/R
PATCO	988,173	993,327	965,415	977,536	3,924,451	.82	N/R
PATH	2,793,061	2,920,990	2,844,234	2,849,129	11,407,414	2.37	11,148,592
SEPTA	3,876,539	3,983,127	3,902,673	4,404,590	16,166,929	3.36	16,136,259
SIRTOA	599,611	613,614	636,495	575,780	2,425,500	.50	2,296,741
WMATA	6,430,755	7,307,640	8,354,775	8,186,618	30,279,788	6.29	26,883,003
TOTAL	115,890,121	119,865,813	122,219,269	123,363,010	481,338,213	100.00	172,613,511

N/R No Report - NYCTA and PATCO did not submit reports for 1985.

III. TRAIN ACCIDENTS

(A) BY TYPE ACCIDENT

		Collision with other train		Collision with Obstacle		Collision with Person		Derailment		Rail-Highway Crossing		TOTAL	
		1986 TOTAL	1985 TOTAL	1986 TOTAL	1985 TOTAL	1986 TOTAL	1985 TOTAL	1986 TOTAL	1985 TOTAL	1986 TOTAL	1985 TOTAL	1986 TOTAL	1985 TOTAL
BART	NUMBER PER 1,000,000 CAR MILES	0	0	0	0	0	0	0	0	N/A	N/A	0	0
		0	0	0	0	0	0	0	0	N/A	N/A	0	0
CTA	NUMBER PER 1,000,000 CAR MILES	0	0	2	1	2	1	0	0	4	3	8	5
		0	0	.04	.02	.04	.02	0	0	.07	.06	.15	.10
GCRTA	NUMBER PER 1,000,000 CAR MILES	0	1	0	0	1	0	0	0	N/A	N/A	1	2
		0	.05	0	0	.05	0	0	0	N/A	N/A	.05	1.0
MARTA	NUMBER PER 1,000,000 CAR MILES	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0
MBTA	NUMBER PER 1,000,000 CAR MILES	0	1	0	0	0	0	0	0	N/A	N/A	0	1
		0	.06	0	0	0	0	0	0	N/A	N/A	0	.06
MDTA	NUMBER PER 1,000,000 CAR MILES	0	1	0	0	1	0	0	0	N/A	N/A	1	1
		0	0.5	0	0	.05	0	0	0	N/A	N/A	.05	0.5
MTAMD	NUMBER PER 1,000,000 CAR MILES	0	0	0	0	0	0	0	0	N/A	N/A	0	0
		0	0	0	0	0	0	0	0	N/A	N/A	0	0
NYCTA	NUMBER PER 1,000,000 CAR MILES	0	N/R	1	N/R	41	N/R	2	N/R	N/A	N/A	44	N/R
		0	N/R	.003	N/R	.14	N/R	.006	N/R	N/A	N/A	.15	N/R
PATCO	NUMBER PER 1,000,000 CAR MILES	0	N/R	0	N/R	0	N/R	0	0	N/A	N/A	0	N/R
		0	N/R	0	N/R	0	N/R	0	0	N/A	N/A	0	N/R
PATH	NUMBER PER 1,000,000 CAR MILES	1	0	0	0	0	0	1	0	1	0	3	0
		.09	0	0	0	0	0	.09	0	.09	0	.27	0
SEPTA	NUMBER PER 1,000,000 CAR MILES	0	2	1	0	0	0	0	0	N/A	N/A	1	2
		0	.12	.06	0	0	0	0	0	N/A	N/A	.06	.12
SIRTOA	NUMBER PER 1,000,000 CAR MILES	0	0	0	0	0	0	0	0	N/A	N/A	0	0
		0	0	0	0	0	0	0	0	N/A	N/A	0	0
WMATA	NUMBER PER 1,000,000 CAR MILES	0	0	1	0	1	0	0	0	N/A	N/A	2	0
		0	0	.03	0	.03	0	0	0	N/A	N/A	.06	0
TOTAL	NUMBER PER 1,000,000 CAR MILES	1	5	5	1	46	1	3	1	5	3	60	11
		.002	.03	.01	*	.09	*	.006	*	.01	.02	.12	.06

N/A Not applicable - RRT system does not have rail-highway crossings. N/R No report - NYCTA and PATCO did not submit reports for 1985.  
 \* Less than .001  
 \*\* The 1985 Annual Report indicates MDTA as reporting 2 accidents, however 1 was a fire. Under the new reporting system, fires are not reported as accidents. See NOTE.  
 NOTE: In 1985 fires were reported as train accidents. Effective January 1, 1986 fires are reported in a separate report and are not accidents.

**III. TRAIN ACCIDENTS**

**(B) BY CASUALTIES AND DAMAGE ESTIMATES**

	1986 INJURIES	1986 FATALITIES	1986 TRAIN DAMAGE ESTIMATE (\$)	1986 OTHER TRANSIT DAMAGE ESTIMATE (\$)	1986 NON- TRANSIT DAMAGE ESTIMATE (\$)	1986 TOTAL DAMAGE ESTIMATE (\$)	1985 TOTAL DAMAGE ESTIMATE (\$)
COLLISION WITH OTHER TRAIN	0	0	38,720	2,850	0	41,570	2,570,272
COLLISION WITH OBSTACLE	55	0	258,442	22,000	0	280,442	65,596
COLLISION WITH PERSON	41	5	1,987	2,190	0	4,177	0
DERAILMENT	0	0	15,000	72,700	0	87,700	59,741
RAIL-HIGHWAY CROSSING	3	0	20,310	2,728	5,000	28,038	800
<b>TOTAL</b>	<b>99</b>	<b>5</b>	<b>334,459</b>	<b>102,468</b>	<b>5,000</b>	<b>441,927</b>	<b>* (I)2,696,409</b>

\* Note: Total figures differ from 1985 annual report. As of January 1, 1986 fires were not reported as accidents, therefore, the amount shown as fire damage is not included in this comparison.

(I) Incomplete - NYCTA and PATCO did not submit reports for 1985.

**IV. CASUALTIES**

**(A) NON-FATALITIES BY LOCATION**

<u>LOCATION</u>	1986 FIRST QUARTER	1986 SECOND QUARTER	1986 THIRD QUARTER	1986 FOURTH QUARTER	1986 TOTAL	1986 Per 1,000,000 PASSENGERS	1986 PERCENT OF TOTAL	1985 TOTAL	FOUR QUARTER MOVING AVERAGE
ON PLATFORM	242	247	231	513	1,233	0.73	33.6	*	308.25
ON TRACKWAY	107	107	70	109	393	0.23	10.7	*	98.25
ON-BOARD TRAIN	148	138	307	406	999	0.59	27.2	*	248.25
ALIGHTING FROM TRAIN	85	86	109	113	393	0.23	10.7	*	98.25
BOARDING TRAIN	146	143	109	89	487	0.29	13.3	*	121.75
IN TRAIN ACCIDENT	13	13	65	6	97	0.06	2.6	*	27.25
STATION FIRES	0	0	2	2	4	0.00	0.1	*	1.00
RIGHT-OF-WAY FIRES	12	0	4	1	17	0.01	0.5	*	4.25
TRAIN FIRES (IN REVENUE SERVICE)	1	41	1	2	45	0.03	1.2	*	11.25
TOTAL	754	775	898	1,241	3,668	2.16	100.0	*	918.50

\* Effective January 1, 1986, reporting categories were revised and new thresholds instituted.  
The revision in categories makes it difficult to compare earlier data and current data.

**IV. CASUALTIES**

**(B) FATALITIES BY LOCATION**

<b>LOCATION</b>	<b>1986 FIRST QUARTER</b>	<b>1986 SECOND QUARTER</b>	<b>1986 THIRD QUARTER</b>	<b>1986 FOURTH QUARTER</b>	<b>1986 TOTAL</b>	<b>1986 per 1,000,000 PASSENGERS</b>	<b>1986 PERCENT OF TOTAL</b>	<b>1985 TOTAL</b>	<b>FOUR QUARTER MOVING AVERAGE</b>
ON PLATFORM	1	2	4	0	7	0.00	10.1	*	3.50
ON TRACKWAY	4	4	3	4	15	0.01	21.7	*	7.00
ON-BOARD TRAIN	8	2	1	1	12	0.01	17.4	*	5.25
ALIGHTING FROM TRAIN	0	0	0	0	0	0.00	00.0	*	0.00
BOARDING TRAIN	1	0	0	0	1	0.00	01.4	*	0.50
IN TRAIN ACCIDENT	2	0	1	2	5	0.00	7.2	*	2.50
STATION FIRES	0	0	0	0	0	0.00	0.0	*	0.00
RIGHT-OF-WAY FIRES	0	0	0	0	0	0.00	0.0	*	0.00
TRAIN FIRES (IN REVENUE SERVICE)	0	0	0	0	0	0.00	0.0	*	0.00
<b>TOTAL</b>	<b>16</b>	<b>8</b>	<b>9</b>	<b>7</b>	<b>40</b>	<b>0.02</b>	<b>100.0</b>	<b>*</b>	<b>18.75</b>

\* Effective January 1, 1986, reporting categories were revised and new thresholds instituted. The revision in categories makes it difficult to compare earlier data and current data.

V. FIRE REPORT

(A) TOTAL OF ALL RRT SYSTEMS

	1986 FIRST QUARTER	1986 SECOND QUARTER	1986 THIRD QUARTER	1986 FOURTH QUARTER	1986 TOTAL	1986 PERCENT OF TOTAL	1985 TOTAL
<b>STATION FIRES</b>							
Non-Public Areas	15	18	7	12	52	0.85	*
Public Areas							
Trash Receptacles	98	77	71	108	354	5.77	*
Concession	1	0	0	4	5	0.08	*
Other	26	40	39	27	132	2.15	*
<b>TRAIN FIRES (in revenue service)</b>							
Underfloor	183	164	149	121	617	10.05	*
Roof	0	0	0	0	0	0.00	*
Passenger Compartment	81	45	48	38	212	3.45	*
Operator Compartment	5	1	0	3	9	0.15	*
Other	549	537	475	402	1,963	31.97	*
<b>RIGHT-OF-WAY FIRES</b>							
Ties, protection board walkways (wooden elements)	54	145	128	42	369	6.01	*
Traction power distribution	8	12	12	7	39	0.64	*
Substation	0	0	1	1	2	0.03	*
Signal System	13	5	2	4	24	0.39	*
Grass, trash, debris	279	352	341	276	1,248	20.33	*
Flammable intrusion	0	0	0	0	0	0.00	*
Stored materials	0	0	0	0	0	0.00	*
Track greasers	1	1	1	0	3	0.05	*
Other	285	393	332	101	1,111	18.09	*
<b>TOTALS</b>	<b>1,598</b>	<b>1,790</b>	<b>1,606</b>	<b>1,146</b>	<b>6,140</b>	<b>100.00</b>	<b>*</b>

\* Effective January 1, 1986 reporting categories were revised and new thresholds instituted. The revision in categories makes it difficult to compare earlier data and current data.

**VI. SYSTEM SPECIFIC OVERVIEW**

**(A) TOTAL OF ALL RRT SYSTEMS**

	1986 FIRST QUARTER	1986 SECOND QUARTER	1986 THIRD QUARTER	1986 FOURTH QUARTER	1986 TOTAL	1986 per 1,000,000 CAR MILES	1985 TOTAL
<b><u>TRAIN ACCIDENTS</u></b>							
● COLLISION WITH OTHER TRAIN	0	0	1	0	1	0.00	5
● COLLISION WITH OBSTACLE	1	0	4	0	5	0.01	1
● COLLISION WITH PERSON	12	13	12	9	46	0.10	1
● DERAILMENT	1	2	0	0	3	0.01	1
● RAIL HIGHWAY CROSSING	2	1	0	2	5	0.01	3
<b>TOTAL TRAIN ACCIDENTS</b>	<b>16</b>	<b>16</b>	<b>17</b>	<b>11</b>	<b>60</b>	<b>0.12</b>	<b>**11</b>
<b><u>CASUALTIES</u></b>							
● ON-PLATFORM	243	249	235	513	1,240	0.73	*
● ON-TRACKWAY	111	111	73	113	408	0.24	*
● ON-BOARD TRAIN	156	140	308	407	1,011	0.60	*
● ALIGHTING FROM TRAIN	85	86	109	113	393	0.23	*
● BOARDING TRAIN	147	143	109	89	488	0.29	*
● IN TRAIN ACCIDENT	15	13	66	8	102	0.06	*
● STATION FIRES	0	0	2	2	4	0.00	*
● RIGHT-OF-WAY FIRES	12	0	4	1	17	0.01	*
● TRAIN FIRES (IN REVENUE SERVICE)	1	41	1	2	45	0.03	*
<b>TOTAL CASUALTIES</b>	<b>770</b>	<b>783</b>	<b>907</b>	<b>1,248</b>	<b>3,708</b>	<b>2.19</b>	<b>*</b>
<b>INJURIES</b>	<b>754</b>	<b>775</b>	<b>898</b>	<b>1,241</b>	<b>3,668</b>	<b>2.16</b>	<b>*</b>
<b>FATALITIES</b>	<b>16</b>	<b>8</b>	<b>9</b>	<b>7</b>	<b>40</b>	<b>0.03</b>	<b>*</b>

\* Effective January 1, 1986, reporting categories were revised and new thresholds instituted. The revision in categories makes it difficult to compare earlier data and current data.

\*\* Effective January, 1986 fires are not reported as train accidents.



**VI. SYSTEM SPECIFIC OVERVIEW**

**(B) BAY AREA RAPID TRANSIT DISTRICT (BART)**

	1986 FIRST QUARTER	1986 SECOND QUARTER	1986 THIRD QUARTER	1986 FOURTH QUARTER	1986 TOTAL	1986 per 1,000,000 CAR MILES	1985 TOTAL
<b>TRAIN ACCIDENTS</b>							
● COLLISION WITH OTHER TRAIN	0	0	0	0	0	0.00	0
● COLLISION WITH OBSTACLE	0	0	0	0	0	0.00	0
● COLLISION WITH PERSON	0	0	0	0	0	0.00	0
● DERAILMENT	0	0	0	0	0	0.00	0
● RAIL HIGHWAY CROSSING	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>TOTAL TRAIN ACCIDENTS</b>	0	0	0	0	0	0.00	**0
<b>CASUALTIES</b>							
● ON-PLATFORM	11	6	3	1	21	0.38	*
● ON-TRACKWAY	5	2	3	3	13	0.23	*
● ON-BOARD TRAIN	5	13	10	5	33	0.59	*
● ALIGHTING FROM TRAIN	15	13	18	15	61	1.09	*
● BOARDING TRAIN	12	13	10	9	44	0.79	*
● IN TRAIN ACCIDENT	0	0	0	0	0	0.00	*
● STATION FIRES	0	0	0	0	0	0.00	*
● RIGHT-OF-WAY FIRES	0	0	0	0	0	0.00	*
● TRAIN FIRES (IN REVENUE SERVICE)	0	0	0	0	0	0.00	*
<b>TOTAL CASUALTIES</b>	48	47	44	33	172	3.07	*
<b>INJURIES</b>	48	47	44	33	172	3.07	*
<b>FATALITIES</b>	0	0	0	0	0	0.00	*

Effective January 1, 1986, reporting categories were revised and new thresholds instituted. NA Not applicable - BART does not have rail-highway crossings.

\*\* The revision in categories makes it difficult to compare earlier data and current data.  
Effective January, 1986 fires are not reported as train accidents.

**VI. SYSTEM SPECIFIC OVERVIEW**

**(C) CHICAGO TRANSIT AUTHORITY (CTA)**

	1986 FIRST QUARTER	1986 SECOND QUARTER	1986 THIRD QUARTER	1986 FOURTH QUARTER	1986 TOTAL	1986 Per 1,000,000 CAR MILES	1985 TOTAL
<b><u>TRAIN ACCIDENTS</u></b>							
● COLLISION WITH OTHER TRAIN	0	0	0	0	0	0.00	0
● COLLISION WITH OBSTACLE	0	0	2	0	2	0.04	1
● COLLISION WITH PERSON	0	2	0	0	2	0.04	1
● DERAILMENT	0	0	0	0	0	0.00	0
● RAIL HIGHWAY CROSSING	1	1	0	2	4	0.08	3
<b>TOTAL TRAIN ACCIDENTS</b>	<b>1</b>	<b>3</b>	<b>2</b>	<b>2</b>	<b>8</b>	<b>0.15</b>	<b>**5</b>
<b><u>CASUALTIES</u></b>							
● ON-PLATFORM	5	0	0	2	7	0.05	*
● ON-TRACKWAY	0	2	3	0	5	0.03	*
● ON-BOARD TRAIN	5	6	3	3	17	0.12	*
● ALIGHTING FROM TRAIN	3	5	4	3	15	0.10	*
● BOARDING TRAIN	2	3	0	1	6	0.04	*
● IN TRAIN ACCIDENT	0	1	3	0	4	0.03	*
● STATION FIRES	0	0	0	0	0	0.00	*
● RIGHT-OF-WAY FIRES	0	0	0	0	0	0.00	*
● TRAIN FIRES (IN REVENUE SERVICE)	0	0	0	0	0	0.00	*
<b>TOTAL CASUALTIES</b>	<b>15</b>	<b>17</b>	<b>13</b>	<b>9</b>	<b>54</b>	<b>0.37</b>	<b>*</b>
<b>INJURIES</b>	<b>14</b>	<b>16</b>	<b>10</b>	<b>9</b>	<b>49</b>	<b>0.34</b>	<b>*</b>
<b>FATALITIES</b>	<b>1</b>	<b>1</b>	<b>3</b>	<b>0</b>	<b>5</b>	<b>0.03</b>	<b>*</b>

\* Effective January 1, 1986, reporting categories were revised and new thresholds instituted. The revision in categories makes it difficult to compare earlier data and current data.

\*\* Effective January, 1986 fires are not reported as train accidents.

VI. SYSTEM SPECIFIC OVERVIEW

(D) GREATER CLEVELAND REGIONAL TRANSIT AUTHORITY (GCRTA)

	1986 FIRST QUARTER	1986 SECOND QUARTER	1986 THIRD QUARTER	1986 FOURTH QUARTER	1986 TOTAL	1986 Per 1,000,000 CAR MILES	1985 TOTAL
<b>TRAIN ACCIDENTS</b>							
● COLLISION WITH OTHER TRAIN	0	0	0	0	0	0.00	1
● COLLISION WITH OBSTACLE	0	0	0	0	0	0.00	0
● COLLISION WITH PERSON	0	0	0	1	1	0.50	0
● DERAILMENT	0	0	0	0	0	0.00	1
● RAIL HIGHWAY CROSSING	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>TOTAL TRAIN ACCIDENTS</b>	0	0	0	1	1	0.50	2
<b>CASUALTIES</b>							
● ON-PLATFORM	3	1	1	3	8	1.33	*
● ON-TRACKWAY	0	1	0	0	1	0.17	*
● ON-BOARD TRAIN	3	1	0	0	4	0.67	*
● ALIGHTING FROM TRAIN	3	4	0	1	8	1.33	*
● BOARDING TRAIN	0	1	0	1	2	0.33	*
● IN TRAIN ACCIDENT	0	0	0	1	1	0.17	*
● STATION FIRES	0	0	0	0	0	0.00	*
● RIGHT-OF-WAY FIRES	0	0	0	0	0	0.00	*
● TRAIN FIRES (IN REVENUE SERVICE)	0	0	0	0	0	0.00	*
<b>TOTAL CASUALTIES</b>	9	8	1	6	24	4.00	*
<b>INJURIES</b>	9	8	1	6	24	4.00	*
<b>FATALITIES</b>	0	0	0	0	0	0.00	*

Effective January 1, 1986, reporting categories were revised and new thresholds instituted. N/A Not applicable - GCRTA does not have rail-highway crossings.

The revision in categories makes it difficult to compare earlier data and current data.  
 \*\* Effective January, 1985 fires are not reported as train accidents.

**VI. SYSTEM SPECIFIC OVERVIEW**

**(E) METROPOLITAN ATLANTA REGIONAL TRANSIT AUTHORITY (MARTA)**

	1986 FIRST QUARTER	1986 SECOND QUARTER	1986 THIRD QUARTER	1986 FOURTH QUARTER	1986 TOTAL	1986 per 1,000,000 CAR MILES	1985 TOTAL
<b><u>TRAIN ACCIDENTS</u></b>							
● COLLISION WITH OTHER TRAIN	0	0	0	0	0	0.00	0
● COLLISION WITH OBSTACLE	0	0	0	0	0	0.00	0
● COLLISION WITH PERSON	0	0	0	0	0	0.00	0
● DERAILMENT	0	0	0	0	0	0.00	0
● RAIL HIGHWAY CROSSING	0	0	0	0	0	0.00	0
<b>TOTAL TRAIN ACCIDENTS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>**0</b>
<b><u>CASUALTIES</u></b>							
● ON-PLATFORM	4	2	1	3	10	0.15	*
● ON-TRACKWAY	4	3	2	2	11	0.17	*
● ON-BOARD TRAIN	2	4	3	1	10	0.15	*
● ALIGHTING FROM TRAIN	3	3	2	2	10	0.15	*
● BOARDING TRAIN	4	1	3	2	10	0.15	*
● IN TRAIN ACCIDENT	0	0	0	0	0	0.00	*
● STATION FIRES	0	0	0	0	0	0.00	*
● RIGHT-OF-WAY FIRES	0	0	0	1	1	0.02	*
● TRAIN FIRES (IN REVENUE SERVICE)	0	0	0	0	0	0.00	*
<b>TOTAL CASUALTIES</b>	<b>17</b>	<b>13</b>	<b>11</b>	<b>11</b>	<b>52</b>	<b>0.80</b>	<b>*</b>
<b>INJURIES</b>	<b>17</b>	<b>13</b>	<b>11</b>	<b>11</b>	<b>52</b>	<b>0.80</b>	<b>*</b>
<b>FATALITIES</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>*</b>

\* Effective January 1, 1986, reporting categories were revised and new thresholds instituted. The revision in categories makes it difficult to compare earlier data and current data.  
 \*\* Effective January, 1986 fires are not reported as train accidents.

**VI. SYSTEM SPECIFIC OVERVIEW**

**(F) MASSACHUSETTS BAY TRANSPORTATION AUTHORITY (MBTA)**

	1986 FIRST QUARTER	1986 SECOND QUARTER	1986 THIRD QUARTER	1986 FOURTH QUARTER	1986 TOTAL	1986 Per 1,000,000 CAR MILES	1985 TOTAL
<b>TRAIN ACCIDENTS</b>							
● COLLISION WITH OTHER TRAIN	0	0	0	0	0	0.00	1
● COLLISION WITH OBSTACLE	0	0	0	0	0	0.00	0
● COLLISION WITH PERSON	0	0	0	0	0	0.00	0
● DERAILMENT	0	0	0	0	0	0.00	0
● RAIL HIGHWAY CROSSING	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>TOTAL TRAIN ACCIDENTS</b>	0	0	0	0	0	0.00	**1
<b>CASUALTIES</b>							
● ON-PLATFORM	11	8	6	23	48	0.42	*
● ON-TRACKWAY	4	3	4	4	15	0.13	*
● ON-BOARD TRAIN	5	7	10	12	34	0.30	*
● ALIGHTING FROM TRAIN	5	11	14	17	47	0.42	*
● BOARDING TRAIN	10	25	15	10	60	0.53	*
● IN TRAIN ACCIDENT	0	0	0	0	0	0.00	*
● STATION FIRES	0	0	0	0	0	0.00	*
● RIGHT-OF-WAY FIRES	0	0	0	0	0	0.00	*
● TRAIN FIRES (IN REVENUE SERVICE)	0	0	0	0	0	0.00	*
<b>TOTAL CASUALTIES</b>	35	54	49	66	204	1.81	*
<b>INJURIES</b>	35	54	49	66	204	1.81	*
<b>FATALITIES</b>	0	0	0	0	0	0.00	*

Effective January 1, 1986, reporting categories were revised and new thresholds instituted. N/A Not applicable - MBTA does not have rail-highway crossings.  
 The revision in categories makes it difficult to compare earlier data and current data.  
 \*\* Effective January, 1986 fires are not reported as train accidents.

**VI. SYSTEM SPECIFIC OVERVIEW**

**(G) METRO DADE COUNTY TRANSIT AGENCY (MDTA)**

	1986 FIRST QUARTER	1986 SECOND QUARTER	1986 THIRD QUARTER	1986 FOURTH QUARTER	1986 TOTAL	1986 per 1,000,000 CAR MILES	1985 TOTAL
<b>TRAIN ACCIDENTS</b>							
● COLLISION WITH OTHER TRAIN	0	0	0	0	0	0.00	1
● COLLISION WITH OBSTACLE	0	0	0	0	0	0.00	0
● COLLISION WITH PERSON	0	0	0	1	1	0.50	0
● DERAILMENT	0	0	0	0	0	0.00	0
● RAIL HIGHWAY CROSSING	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>TOTAL TRAIN ACCIDENTS</b>	0	0	0	1	1	0.50	**1
<b>CASUALTIES</b>							
● ON-PLATFORM	0	3	1	0	4	0.50	*
● ON-TRACKWAY	0	0	0	0	0	0.00	*
● ON-BOARD TRAIN	1	1	5	3	10	1.25	*
● ALIGHTING FROM TRAIN	0	2	0	0	2	0.25	*
● BOARDING TRAIN	0	0	2	1	3	0.38	*
● IN TRAIN ACCIDENT	0	0	0	0	0	0.00	*
● STATION FIRES	0	0	0	0	0	0.00	*
● RIGHT-OF-WAY FIRES	0	0	0	0	0	0.00	*
● TRAIN FIRES (IN REVENUE SERVICE)	0	0	0	0	0	0.00	*
<b>TOTAL CASUALTIES</b>	1	6	8	4	19	2.38	*
<b>INJURIES</b>	1	6	8	4	19	2.38	*
<b>FATALITIES</b>	0	0	0	0	0	0.00	*

\* Effective January 1, 1986, reporting categories were revised and new thresholds instituted. N/A Not applicable - MDTA does not have rail-highway crossings. The revision in categories makes it difficult to compare earlier data and current data.

\*\* Annual report for 1985 indicates 2 train accidents, one of which was a fire. As of January 1, 1986 fires are not reported as train accidents.

VI. SYSTEM SPECIFIC OVERVIEW

(H) MASS TRANSIT ADMINISTRATION OF MARYLAND (MTAMD)

	1986 FIRST QUARTER	1986 SECOND QUARTER	1986 THIRD QUARTER	1986 FOURTH QUARTER	1986 TOTAL	1986 Per 1,000,000 CAR MILES	1985 TOTAL
<b>TRAIN ACCIDENTS</b>							
● COLLISION WITH OTHER TRAIN	0	0	0	0	0	0.00	0
● COLLISION WITH OBSTACLE	0	0	0	0	0	0.00	0
● COLLISION WITH PERSON	0	0	0	0	0	0.00	0
● DERAILMENT	0	0	0	0	0	0.00	0
● RAIL HIGHWAY CROSSING	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>TOTAL TRAIN ACCIDENTS</b>	0	0	0	0	0	0.00	**0
<b>CASUALTIES</b>							
● ON-PLATFORM	1	0	0	1	2	0.18	*
● ON-TRACKWAY	0	0	0	1	1	0.09	*
● ON-BOARD TRAIN	2	1	0	3	6	0.55	*
● ALIGHTING FROM TRAIN	0	0	0	1	1	0.09	*
● BOARDING TRAIN	1	1	2	2	6	0.55	*
● IN TRAIN ACCIDENT	0	0	0	0	0	0.00	*
● STATION FIRES	0	0	0	0	0	0.00	*
● RIGHT-OF-WAY FIRES	0	0	0	0	0	0.00	*
● TRAIN FIRES (IN REVENUE SERVICE)	0	0	0	0	0	0.00	*
<b>TOTAL CASUALTIES</b>	4	2	2	8	16	1.45	*
<b>INJURIES</b>	4	2	2	8	16	1.45	*
<b>FATALITIES</b>	0	0	0	0	0	0.00	*

\* Effective January 1, 1986, reporting categories were revised and new thresholds instituted. N/A Not applicable - MTAMD does not have rail-highway crossings.  
 \*\* The revision in categories makes it difficult to compare earlier data and current data.  
 As of January 1, 1986 fires are not reported as train accidents.

**VI. SYSTEM SPECIFIC OVERVIEW**

**(I) NEW YORK CITY TRANSIT AUTHORITY (NYCTA)**

	1986 FIRST QUARTER	1986 SECOND QUARTER	1986 THIRD QUARTER	1986 FOURTH QUARTER	1986 TOTAL	1986 per 1,000,000 CAR MILES	1985 TOTAL
<b><u>TRAIN ACCIDENTS</u></b>							
● COLLISION WITH OTHER TRAIN	0	0	0	0	0	0.00	N/R
● COLLISION WITH OBSTACLE	0	0	1	0	1	0.00	N/R
● COLLISION WITH PERSON	12	11	11	7	41	0.14	N/R
● DERAILMENT	1	1	0	0	2	0.01	N/R
● RAIL HIGHWAY CROSSING	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>TOTAL TRAIN ACCIDENTS</b>	13	12	12	7	44	0.15	**N/R
<b><u>CASUALTIES</u></b>							
● ON-PLATFORM	175	194	179	462	1,010	0.99	*
● ON-TRACKWAY	96	71	59	97	323	0.32	*
● ON-BOARD TRAIN	108	94	261	371	834	0.81	*
● ALIGHTING FROM TRAIN	40	37	35	62	174	0.17	*
● BOARDING TRAIN	99	65	40	47	251	0.25	*
● IN TRAIN ACCIDENT	12	12	13	7	44	0.04	*
● STATION FIRES	0	0	0	2	2	0.00	*
● RIGHT-OF-WAY FIRES	2	0	0	0	2	0.00	*
● TRAIN FIRES (IN REVENUE SERVICE)	0	41	1	2	44	0.04	*
<b>TOTAL CASUALTIES</b>	532	514	588	1,050	2,684	2.62	*
<b>INJURIES</b>	518	507	582	1,043	2,650	2.59	*
<b>FATALITIES</b>	14	7	6	7	34	0.03	*

\* Effective January 1, 1986, reporting categories were revised and new thresholds instituted. N/A Not applicable - NYCTA does not have rail-highway crossings.  
 The revision in categories makes it difficult to compare earlier data and current data. N/R No report - NYCTA did not submit reports for 1985.

\*\* As of January 1, 1986 fires are not reported as train accidents.



VI. SYSTEM SPECIFIC OVERVIEW

(J) PORT AUTHORITY TRANSIT CORPORATION (PATCO)

	1986 FIRST QUARTER	1986 SECOND QUARTER	1986 THIRD QUARTER	1986 FOURTH QUARTER	1986 TOTAL	1986 Per 1,000,000 CAR MILES	1985 TOTAL
<b>TRAIN ACCIDENTS</b>							
● COLLISION WITH OTHER TRAIN	0	0	0	0	0	0.00	N/R
● COLLISION WITH OBSTACLE	0	0	0	0	0	0.00	N/R
● COLLISION WITH PERSON	0	0	0	0	0	0.00	N/R
● DERAILMENT	0	0	0	0	0	0.00	N/R
● RAIL HIGHWAY CROSSING	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>TOTAL TRAIN ACCIDENTS</b>	0	0	0	0	0	0.00	**N/R
<b>CASUALTIES</b>							
● ON-PLATFORM	0	2	0	2	4	0.38	*
● ON-TRACKWAY	0	0	1	0	1	0.10	*
● ON-BOARD TRAIN	2	1	0	0	3	0.29	*
● ALIGHTING FROM TRAIN	0	1	1	1	3	0.29	*
● BOARDING TRAIN	1	2	2	0	5	0.48	*
● IN TRAIN ACCIDENT	0	0	0	0	0	0.00	*
● STATION FIRES	0	0	0	0	0	0.00	*
● RIGHT-OF-WAY FIRES	0	0	0	0	0	0.00	*
● TRAIN FIRES (IN REVENUE SERVICE)	0	0	0	0	0	0.00	*
<b>TOTAL CASUALTIES</b>	3	6	4	3	16	1.54	*
<b>INJURIES</b>	3	6	4	3	16	1.54	*
<b>FATALITIES</b>	0	0	0	0	0	0.00	*

Effective January 1, 1986, reporting categories were revised and new thresholds instituted. N/A Not applicable - PATCO does not have rail-highway crossings.  
 The revision in categories makes it difficult to compare earlier data and current data. N/R No report - PATCO did not submit reports for 1985.  
 \*\* As of January 1, 1986 fires are not reported as train accidents.

**VI. SYSTEM SPECIFIC OVERVIEW**

**(K) PORT AUTHORITY TRANS-HUDSON CORPORATION (PATH)**

	1986 FIRST QUARTER	1986 SECOND QUARTER	1986 THIRD QUARTER	1986 FOURTH QUARTER	1986 TOTAL	1986 per 1,000,000 CAR MILES	1985 TOTAL
<b><u>TRAIN ACCIDENTS</u></b>							
● COLLISION WITH OTHER TRAIN	0	0	1	0	1	0.09	0
● COLLISION WITH OBSTACLE	0	0	0	0	0	0.00	0
● COLLISION WITH PERSON	0	0	0	0	0	0.00	0
● DERAILMENT	0	1	0	0	1	0.09	0
● RAIL HIGHWAY CROSSING	1	0	0	0	1	0.09	0
<b>TOTAL TRAIN ACCIDENTS</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>3</b>	<b>0.27</b>	<b>**0</b>
<b><u>CASUALTIES</u></b>							
● ON-PLATFORM	11	14	13	2	40	0.71	*
● ON-TRACKWAY	0	0	0	1	1	0.02	*
● ON-BOARD TRAIN	1	1	5	0	7	0.13	*
● ALIGHTING FROM TRAIN	0	0	0	0	0	0.00	*
● BOARDING TRAIN	0	0	0	0	0	0.00	*
● IN TRAIN ACCIDENT	3	0	0	0	3	0.05	*
● STATION FIRES	0	0	0	0	0	0.00	*
● RIGHT-OF-WAY FIRES	10	0	0	0	10	0.18	*
● TRAIN FIRES (IN REVENUE SERVICE)	1	0	0	0	1	0.02	*
<b>TOTAL CASUALTIES</b>	<b>26</b>	<b>15</b>	<b>18</b>	<b>3</b>	<b>62</b>	<b>1.11</b>	<b>*</b>
<b>INJURIES</b>	<b>26</b>	<b>15</b>	<b>18</b>	<b>3</b>	<b>62</b>	<b>1.11</b>	<b>*</b>
<b>FATALITIES</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>	<b>*</b>

\* Effective January 1, 1986, reporting categories were revised and new thresholds instituted.

The revision in categories makes it difficult to compare earlier data and current data

\*\* As of January 1, 1986 fires are not reported as train accidents.

VI. SYSTEM SPECIFIC OVERVIEW

(1) SOUTHEASTERN PENNSYLVANIA TRANSPORTATION AUTHORITY (SEPTA)

	1986 FIRST QUARTER	1986 SECOND QUARTER	1986 THIRD QUARTER	1986 FOURTH QUARTER	1986 TOTAL	1986 Per 1,000,000 CAR MILES	1985 TOTAL
<b>TRAIN ACCIDENTS</b>							
● COLLISION WITH OTHER TRAIN	0	0	0	0	0	0.00	2
● COLLISION WITH OBSTACLE	0	0	1	0	1	0.06	0
● COLLISION WITH PERSON	0	0	0	0	0	0.00	0
● DERAILMENT	0	0	0	0	0	0.00	0
● RAIL HIGHWAY CROSSING	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>TOTAL TRAIN ACCIDENTS</b>	0	0	1	0	1	0.06	**2
<b>CASUALTIES</b>							
● ON-PLATFORM	10	11	19	11	51	0.75	*
● ON-TRACKWAY	2	3	0	5	10	0.15	*
● ON-BOARD TRAIN	21	9	10	8	48	0.71	*
● ALIGHTING FROM TRAIN	14	8	30	11	63	0.93	*
● BOARDING TRAIN	15	28	28	10	81	1.19	*
● IN TRAIN ACCIDENT	0	0	50	0	50	0.74	*
● STATION FIRES	0	0	0	0	0	0.00	*
● RIGHT-OF-WAY FIRES	0	0	0	0	0	0.00	*
● TRAIN FIRES (IN REVENUE SERVICE)	0	0	0	0	0	0.00	*
<b>TOTAL CASUALTIES</b>	62	59	137	45	303	4.46	*
<b>INJURIES</b>	61	59	137	45	302	4.45	*
<b>FATALITIES</b>	1	0	0	0	1	0.01	*

\*\* Effective January 1, 1986, reporting categories were revised and new thresholds instituted. The revision in categories makes it difficult to compare earlier data and current data. As of January 1, 1986 fires are not reported as train accidents.

N/A Not applicable - SEPTA does not have rail-highway crossings.

**VI. SYSTEM SPECIFIC OVERVIEW**

**(M) STATEN ISLAND RAPID TRANSIT OPERATING AUTHORITY (SIRTOA)**

	1986 FIRST QUARTER	1986 SECOND QUARTER	1986 THIRD QUARTER	1986 FOURTH QUARTER	1986 TOTAL	1986 per 1,000,000 CAR MILES	1985 TOTAL
<b><u>TRAIN ACCIDENTS</u></b>							
● COLLISION WITH OTHER TRAIN	0	0	0	0	0	0.00	0
● COLLISION WITH OBSTACLE	0	0	0	0	0	0.00	0
● COLLISION WITH PERSON	0	0	0	0	0	0.00	0
● DERAILMENT	0	0	0	0	0	0.00	0
● RAIL HIGHWAY CROSSING	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>TOTAL TRAIN ACCIDENTS</b>	0	0	0	0	0	0.00	**0
<b><u>CASUALTIES</u></b>							
● ON-PLATFORM	0	0	0	0	0	0.00	*
● ON-TRACKWAY	0	0	0	0	0	0.00	*
● ON-BOARD TRAIN	0	0	0	0	0	0.00	*
● ALIGHTING FROM TRAIN	0	0	0	0	0	0.00	*
● BOARDING TRAIN	0	0	0	0	0	0.00	*
● IN TRAIN ACCIDENT	0	0	0	0	0	0.00	*
● STATION FIRES	0	0	0	0	0	0.00	*
● RIGHT-OF-WAY FIRES	0	0	0	0	0	0.00	*
● TRAIN FIRES (IN REVENUE SERVICE)	0	0	0	0	0	0.00	*
<b>TOTAL CASUALTIES</b>	0	0	0	0	0	0.00	*
<b>INJURIES</b>	0	0	0	0	0	0.00	*
<b>FATALITIES</b>	0	0	0	0	0	0.00	*

\* Effective January 1, 1986, reporting categories were revised and new thresholds instituted. N/A Not applicable - SIRTOA does not have rail-highway crossings.  
 The revision in categories makes it difficult to compare earlier data and current data.  
 \*\* As of January 1, 1986 fires are not reported as train accidents.

VI. SYSTEM SPECIFIC OVERVIEW

(N) WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY (WMATA)

	1986 FIRST QUARTER	1986 SECOND QUARTER	1986 THIRD QUARTER	1986 FOURTH QUARTER	1986 TOTAL	1986 Per 1,000,000 CAR MILES	1985 TOTAL
<b>TRAIN ACCIDENTS</b>							
● COLLISION WITH OTHER TRAIN	0	0	0	0	0	0.00	0
● COLLISION WITH OBSTACLE	1	0	0	0	1	0.03	0
● COLLISION WITH PERSON	0	0	1	0	1	0.03	0
● DERAILMENT	0	0	0	0	0	0.00	0
● RAIL HIGHWAY CROSSING	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>TOTAL TRAIN ACCIDENTS</b>	1	0	1	0	2	0.07	**0
<b>CASUALTIES</b>							
● ON-PLATFORM	12	8	12	3	35	0.29	*
● ON-TRACKWAY	0	0	1	0	1	0.01	*
● ON-BOARD TRAIN	1	2	1	1	5	0.04	*
● ALIGHTING FROM TRAIN	2	2	5	0	9	0.07	*
● BOARDING TRAIN	3	4	7	6	20	0.17	*
● IN TRAIN ACCIDENT	0	0	0	0	0	0.00	*
● STATION FIRES	0	0	2	0	2	0.02	*
● RIGHT-OF-WAY FIRES	0	0	4	0	4	0.03	*
● TRAIN FIRES (IN REVENUE SERVICE)	0	0	0	0	0	0.00	*
<b>TOTAL CASUALTIES</b>	18	16	32	10	76	0.63	*
<b>INJURIES</b>	18	16	32	10	76	0.63	*
<b>FATALITIES</b>	0	0	0	0	0	0.00	*

Effective January 1, 1986, reporting categories were revised and new thresholds instituted. N/A: Not applicable - WMATA does not have rail-highway crossings.  
 The revision in categories makes it difficult to compare earlier data and current data.  
 \*\* As of January 1, 1986 fires are not reported as train accidents.



**RRT THRESHOLDS**

**TRAIN ACCIDENT REPORTING THRESHOLDS**

A "reportable train accident" is any accident which satisfies the following threshold levels:

**A. TRAIN COLLISIONS**

1. All collisions of trains in revenue service involving other rail transit equipment (such as revenue or non-revenue trains, work trains or work equipment), persons and/or rail highway crossings are to be reported.
  2. Collisions between trains in revenue service and other obstacles (end of track barriers, shopping carts, foreign objects, etc.) which result in \$5,000 or greater property damage or casualties are to be reported.
- "Property Damage" refers to the estimated cost to repair or replace damaged property (vehicles, equipment, right-of-way, etc.) to a state equivalent to that which existed prior to the accident. Property damage does not include the cost of clearing wreckage.

**B. TRAIN DERAILMENTS**

1. All derailments of trains in revenue service regardless of severity.

**C. EXCLUSIONS**

1. Accidents (collisions or derailments) occurring in yards and non-revenue service areas which do not involve trains in revenue service are excluded.
2. Accidents (collisions or derailments) which involve only work trains and servicing equipment are excluded.
3. Collisions between train cars resulting from coupling operations which do not involve passenger casualties are excluded.

**CASUALTY REPORTING THRESHOLDS**

A "reportable casualty" is any casualty which satisfies one or more of the following threshold levels:

**A. PASSENGER AND OTHER CASUALTIES**

Reportable casualties are casualties involving passengers or other personnel (contractors, etc.) which occur on station platforms, on trackways, boarding, alighting and/or on-board trains which result in fatalities or personnel injuries, regardless of severity.

**B. EXCLUSIONS**

1. Assaults
2. Attempted suicides
3. Suicides and injury resulting from illness
4. Trespassers

**FIRE REPORTING THRESHOLDS**

Reportable fires are all fires in stations, on trains in revenue service or on the right-of-way when the fire requires extinguishment by fire suppression system or person.

Each fire is reported regardless of damage.







