



U. S. Department
of Transportation
Federal Railroad
Administration

TRESPASSER BULLETIN

NO. 5

August 1997

CALENDAR YEAR 1996



always expect a train



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INTRODUCTION

Trespassers represent the second largest category of deaths associated with the operation of railroads and are only slightly surpassed by deaths that occur at highway-rail crossings. In 1996, 45.3% of all reported deaths were to trespassers and 47% occurred at highway-rail crossing sites.

Railroads are required by law to make a monthly report to the Federal Railroad Administration and identify any accidents/incidents that occurred in connection with their operations. They are not required to report suicides or attempted suicides when making this report.

This 1996 bulletin is the fifth edition. A publication was not prepared for 1995. However, each table provides a five year history from 1992 through 1996. These include summaries by State, age of individual, types of injuries sustained, month of incident, and reporting railroad.

A highway user who goes around or through gates or other barriers designed to block access to a highway-rail crossing is classified as a trespasser for reporting purposes. A trespasser hurt or killed in this situation is generally excluded from this publication. However, they have been included in those tables and charts summarizing all railroad related casualties. Casualties to these individuals are included in the Highway-Rail Accident/Incident and Inventory Bulletin.

Additional information may be obtained from the Highway-Rail Crossing and Trespasser Programs Division of the Office of Safety Analysis. To order, call (202) 632-3305, or write to the Federal Railroad Administration, RRS-25 (Mailstop 25), 400 7th Street S.W., Washington, DC 20590.

SUMMARY BY TOTAL RAILROAD RELATED CASUALTIES

DEATHS

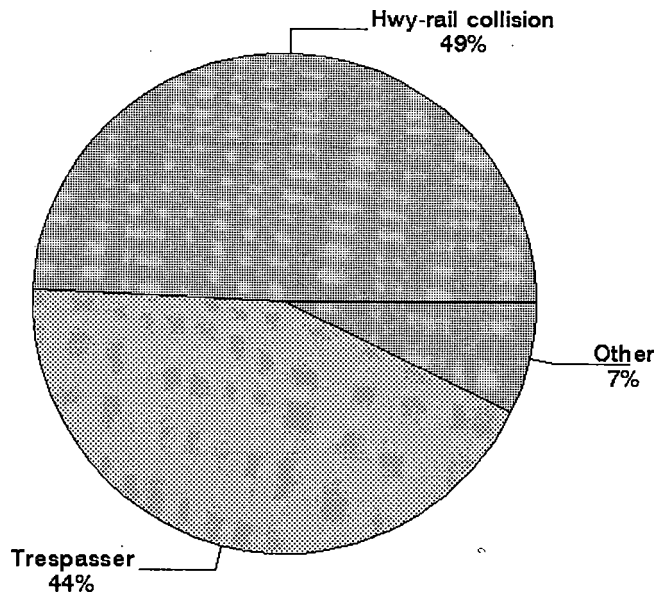
	YEAR										
	1992		1993		1994		1995		1996		Total
	Count	Pct	Count	Pct	Count	Pct	Count	Pct	Count	Pct	Count
--- Type Person											
Highway-rail collision	579	49.5	626	48.9	615	50.2	579	50.5	488	47.0	2,887
Trespasser	533	45.6	523	40.9	529	43.1	494	43.1	471	45.3	2,550
Passenger on train	3	0.3	58	4.5	5	0.4	0	0	12	1.2	78
Employee on duty	32	2.7	44	3.4	30	2.4	32	2.8	32	3.1	170
Nontrespasser	12	1.0	18	1.4	44	3.6	32	2.8	36	3.5	142
Others	11	0.9	10	0.8	3	0.2	9	0.8	0	0	33
...Total	1,170	100.0	1,279	100.0	1,226	100.0	1,146	100.0	1,039	100.0	5,860

INJURIES

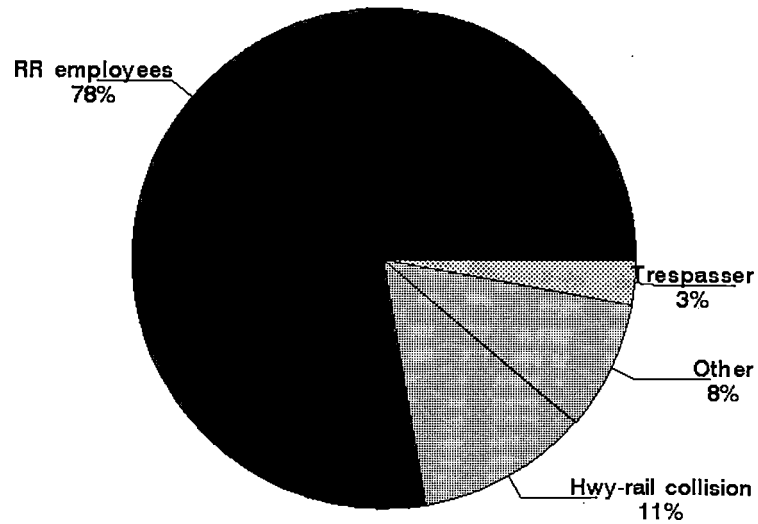
	YEAR										
	1992		1993		1994		1995		1996		Total
	Count	Pct	Count	Pct	Count	Pct	Count	Pct	Count	Pct	Count
--- Type Person											
Highway-rail collision	1,975	9.2	1,837	9.6	1,962	11.7	1,894	13.1	1,610	12.8	9,278
Trespasser	540	2.5	509	2.7	452	2.7	461	3.2	474	3.8	2,436
Passenger on train	329	1.5	515	2.7	413	2.5	543	3.8	489	3.9	2,289
Employee on duty	17,598	82.3	15,220	79.6	12,954	77.1	10,654	73.8	9,120	72.6	65,546
Nontrespasser	408	1.9	432	2.3	475	2.8	372	2.6	639	5.1	2,326
Others	533	2.5	608	3.2	556	3.3	516	3.6	226	1.8	2,439
...Total	21,383	100.0	19,121	100.0	16,812	100.0	14,440	100.0	12,558	100.0	84,314

The counts for highway-rail crashes include all types of persons. This will result in lower counts in some types than shown in Accident/Incident Bulletin

TOTAL RR RELATED DEATHS
5 Year Summary



TOTAL RR RELATED NONFATAL CASES
5 Year Summary



Because all persons, regardless of type, are included in highway-rail counts, this may cause a lesser count in types of people than show in Accident/Incident Bulletin.

SUMMARY OF TRESPASSER DEATHS BY STATE

DEATHS

State	YEAR										Total Count
	1992		1993		1994		1995		1996		
	Count	Pct	Count	Pct	Count	Pct	Count	Pct	Count	Pct	
Alabama	4	0.8	8	1.5	5	0.9	7	1.4	7	1.5	31
Alaska	1	0.2	0	0	0	0	1	0.2	1	0.2	3
Arizona	10	1.9	7	1.3	15	2.8	14	2.8	16	3.4	62
Arkansas	6	1.1	7	1.3	3	0.6	0	0	5	1.1	21
California	63	11.8	98	18.7	73	13.8	73	14.8	68	14.4	375
Colorado	9	1.7	3	0.6	7	1.3	2	0.4	5	1.1	26
Connecticut	2	0.4	7	1.3	6	1.1	6	1.2	3	0.6	24
Delaware	0	0	2	0.4	1	0.2	0	0	1	0.2	4
District of Columbia	1	0.2	0	0	1	0.2	1	0.2	0	0	3
Florida	17	3.2	27	5.2	31	5.9	25	5.1	23	4.9	123
Georgia	17	3.2	12	2.3	10	1.9	12	2.4	8	1.7	59
Idaho	3	0.6	2	0.4	5	0.9	3	0.6	1	0.2	14
Illinois	34	6.4	30	5.7	40	7.6	36	7.3	32	6.8	172
Indiana	14	2.6	10	1.9	7	1.3	7	1.4	7	1.5	45
Iowa	6	1.1	1	0.2	4	0.8	4	0.8	4	0.8	19
Kansas	6	1.1	4	0.8	6	1.1	2	0.4	5	1.1	23
Kentucky	8	1.5	6	1.1	10	1.9	12	2.4	8	1.7	44
Louisiana	7	1.3	16	3.1	11	2.1	8	1.6	6	1.3	48
Maryland	9	1.7	6	1.1	8	1.5	9	1.8	7	1.5	39
Massachusetts	7	1.3	12	2.3	12	2.3	8	1.6	11	2.3	50
Michigan	14	2.6	8	1.5	8	1.5	6	1.2	10	2.1	46
Minnesota	8	1.5	6	1.1	4	0.8	5	1.0	4	0.8	27
Mississippi	12	2.3	1	0.2	5	0.9	1	0.2	2	0.4	21
Missouri	13	2.4	15	2.9	12	2.3	7	1.4	10	2.1	57
Montana	5	0.9	5	1.0	4	0.8	5	1.0	5	1.1	24
Nebraska	4	0.8	5	1.0	4	0.8	2	0.4	5	1.1	20
Nevada	2	0.4	1	0.2	1	0.2	3	0.6	2	0.4	9
New Jersey	25	4.7	18	3.4	17	3.2	25	5.1	16	3.4	101
New Mexico	4	0.8	2	0.4	7	1.3	9	1.8	5	1.1	27
New York	30	5.6	42	8.0	29	5.5	33	6.7	16	3.4	150
North Carolina	19	3.6	20	3.8	34	6.4	18	3.6	16	3.4	107
North Dakota	1	0.2	0	0	3	0.6	2	0.4	1	0.2	7
Ohio	15	2.8	17	3.3	10	1.9	7	1.4	12	2.5	61
Oklahoma	14	2.6	7	1.3	4	0.8	2	0.4	6	1.3	33
Oregon	4	0.8	4	0.8	7	1.3	8	1.6	5	1.1	28
Pennsylvania	23	4.3	17	3.3	14	2.6	11	2.2	14	3.0	79
Rhode Island	0	0	1	0.2	0	0	0	0	1	0.2	2
South Carolina	14	2.6	16	3.1	13	2.5	9	1.8	12	2.5	64
South Dakota	0	0	1	0.2	0	0	1	0.2	0	0	2
Tennessee	14	2.6	9	1.7	4	0.8	9	1.8	11	2.3	47
Texas	46	8.6	28	5.4	48	9.1	54	10.9	60	12.7	236
Utah	0	0	3	0.6	3	0.6	3	0.6	3	0.6	12
Vermont	0	0	0	0	0	0	1	0.2	0	0	1
Virginia	12	2.3	15	2.9	16	3.0	9	1.8	14	3.0	66
Washington	13	2.4	13	2.5	15	2.8	21	4.3	13	2.8	75
West Virginia	5	0.9	6	1.1	4	0.8	6	1.2	3	0.6	24
Wisconsin	5	0.9	4	0.8	5	0.9	6	1.2	4	0.8	24
Wyoming	7	1.3	1	0.2	3	0.6	1	0.2	3	0.6	15
...Total	533	100.0	523	100.0	529	100.0	494	100.0	471	100.0	2,550

Excludes trespassers in highway-rail collisions

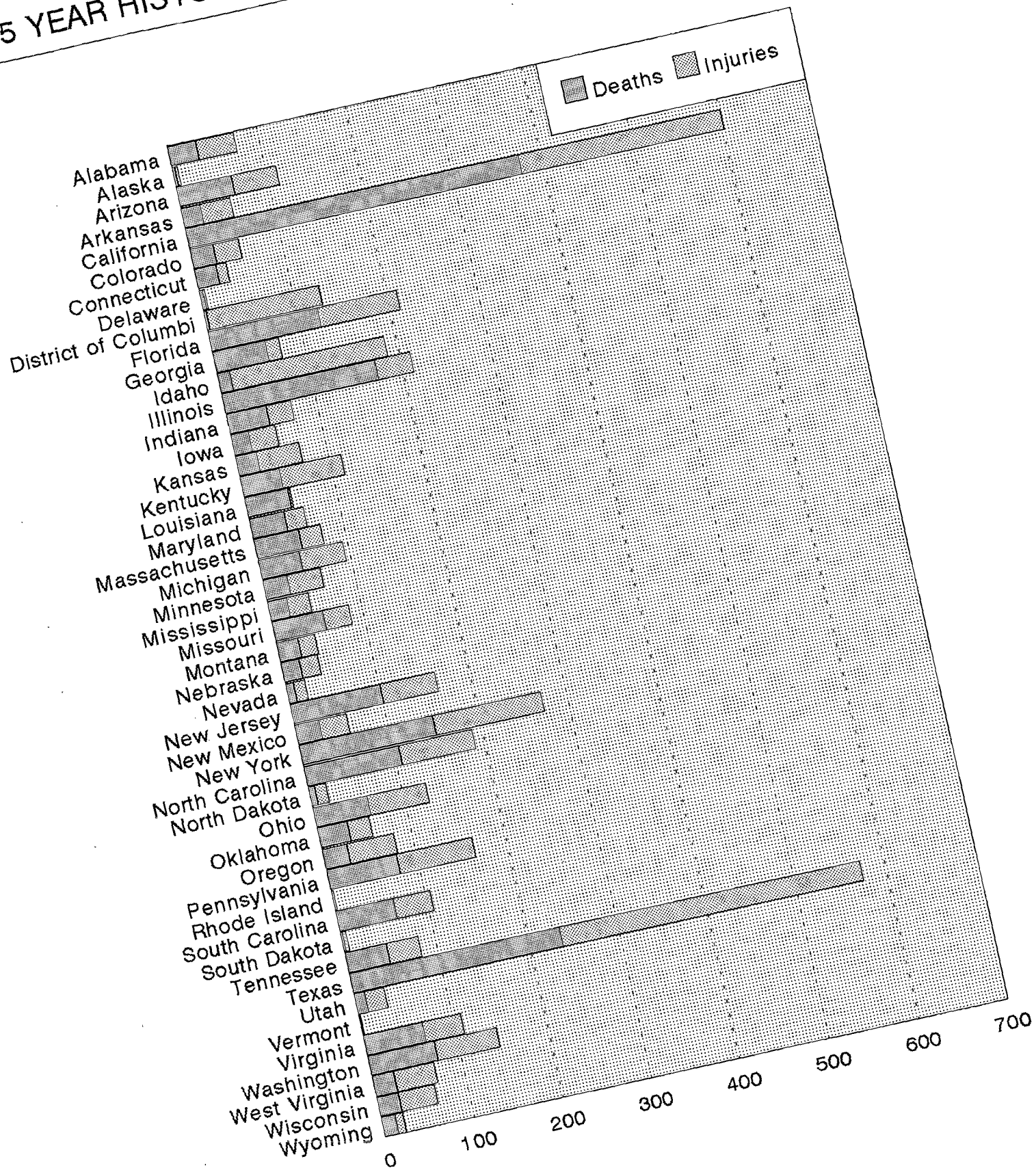
SUMMARY OF TRESPASSER INJURIES BY STATE

INJURIES

State	YEAR										Total
	1992		1993		1994		1995		1996		
	Count	Pct	Count	Pct	Count	Pct	Count	Pct	Count	Pct	
Alabama	10	1.9	8	1.6	8	1.8	5	1.1	12	2.5	43
Alaska	0	0	0	0	0	0	1	0.2	2	0.4	3
Arizona	11	2.0	10	2.0	11	2.4	9	2.0	9	1.9	50
Arkansas	8	1.5	8	1.6	8	1.8	4	0.9	6	1.3	34
California	59	10.9	42	8.3	37	8.2	43	9.3	45	9.5	226
Colorado	6	1.1	2	0.4	9	2.0	7	1.5	4	0.8	28
Connecticut	3	0.6	2	0.4	1	0.2	1	0.2	4	0.8	11
Delaware	0	0	1	0.2	0	0	0	0	1	0.2	2
Florida	27	5.0	24	4.7	32	7.1	29	6.3	14	3.0	126
Georgia	21	3.9	21	4.1	14	3.1	14	3.0	18	3.8	88
Idaho	5	0.9	5	1.0	2	0.4	2	0.4	1	0.2	15
Illinois	34	6.3	37	7.3	34	7.5	38	8.2	30	6.3	173
Indiana	14	2.6	4	0.8	7	1.5	8	1.7	6	1.3	39
Iowa	9	1.7	2	0.4	6	1.3	4	0.9	6	1.3	27
Kansas	13	2.4	3	0.6	7	1.5	2	0.4	5	1.1	30
Kentucky	8	1.5	7	1.4	7	1.5	12	2.6	14	3.0	48
Louisiana	9	1.7	20	3.9	13	2.9	18	3.9	9	1.9	69
Maine	0	0	0	0	0	0	2	0.4	0	0	2
Maryland	3	0.6	5	1.0	6	1.3	6	1.3	2	0.4	22
Massachusetts	10	1.9	5	1.0	3	0.7	3	0.7	4	0.8	25
Michigan	16	3.0	10	2.0	10	2.2	6	1.3	7	1.5	49
Minnesota	6	1.1	8	1.6	9	2.0	9	2.0	5	1.1	37
Mississippi	6	1.1	6	1.2	5	1.1	5	1.1	3	0.6	25
Missouri	3	0.6	4	0.8	5	1.1	8	1.7	9	1.9	29
Montana	4	0.7	2	0.4	4	0.9	6	1.3	3	0.6	19
Nebraska	4	0.7	6	1.2	2	0.4	3	0.7	6	1.3	21
Nevada	5	0.9	0	0	5	1.1	1	0.2	1	0.2	12
New Jersey	18	3.3	18	3.5	9	2.0	12	2.6	4	0.8	61
New Mexico	5	0.9	7	1.4	3	0.7	4	0.9	12	2.5	31
New York	33	6.1	32	6.3	15	3.3	22	4.8	20	4.2	122
North Carolina	20	3.7	15	2.9	19	4.2	9	2.0	19	4.0	82
North Dakota	4	0.7	1	0.2	1	0.2	3	0.7	3	0.6	12
Ohio	16	3.0	17	3.3	13	2.9	10	2.2	10	2.1	66
Oklahoma	3	0.6	3	0.6	4	0.9	2	0.4	13	2.7	25
Oregon	12	2.2	13	2.6	7	1.5	6	1.3	14	3.0	52
Pennsylvania	15	2.8	33	6.5	12	2.7	16	3.5	8	1.7	84
South Carolina	14	2.6	10	2.0	9	2.0	3	0.7	6	1.3	42
South Dakota	1	0.2	1	0.2	1	0.2	0	0	1	0.2	4
Tennessee	3	0.6	7	1.4	6	1.3	10	2.2	9	1.9	35
Texas	58	10.7	61	12.0	62	13.7	67	14.5	89	18.8	337
Utah	4	0.7	7	1.4	0	0	5	1.1	5	1.1	21
Vermont	0	0	1	0.2	0	0	0	0	0	0	1
Virginia	12	2.2	11	2.2	3	0.7	10	2.2	8	1.7	44
Washington	8	1.5	13	2.6	17	3.8	22	4.8	10	2.1	70
West Virginia	8	1.5	11	2.2	11	2.4	6	1.3	9	1.9	45
Wisconsin	6	1.1	4	0.8	14	3.1	8	1.7	8	1.7	40
Wyoming	6	1.1	2	0.4	1	0.2	0	0	0	0	9
...Total	540	100.0	509	100.0	452	100.0	461	100.0	474	100.0	2,436

Excludes trespassers in highway-rail collisions

5 YEAR HISTORY OF TRESPASSER CASUALTIES



Excludes Highway-rail

SUMMARY OF TRESPASSER DEATHS BY RAILROAD

DEATHS

Railroad	YEAR										Total
	1992		1993		1994		1995		1996		
	Count	Pct	Count	Pct	Count	Pct	Count	Pct	Count	Pct	
Other Railroads	4	0.8	21	4.0	15	2.8	14	2.8	21	4.5	75
Alaska Railroad Corp.	1	0.2	0	0	0	0	1	0.2	1	0.2	3
Amtrak (National Railroad Passenger Corp.)	51	9.6	96	18.4	80	15.1	59	11.9	56	11.9	342
Bessemer & Lake Erie Railroad Co.	1	0.2	0	0	1	0.2	0	0	0	0	2
Burlington Northern Santa Fe	87	16.3	55	10.5	72	13.6	81	16.4	60	12.7	355
Chicago, Central & Pacific Railroad Co.	1	0.2	0	0	0	0	0	0	0	0	1
Consolidated Rail Corp.	53	9.9	49	9.4	10	1.9	9	1.8	4	0.8	125
CSX Transportation	49	9.2	54	10.3	64	12.1	60	12.1	51	10.8	278
Delaware & Hudson Railway Co.	2	0.4	7	1.3	6	1.1	2	0.4	1	0.2	18
Denver & Rio Grande Western Railroad Co.	2	0.4	2	0.4	3	0.6	1	0.2	1	0.2	9
Duluth, Winnipeg & Pacific Railway	0	0	0	0	1	0.2	0	0	0	0	1
Elgin, Joliet & Eastern Railway Co.	0	0	1	0.2	0	0	0	0	0	0	1
Florida East Coast Railway Co.	9	1.7	13	2.5	10	1.9	12	2.4	17	3.6	61
Guilford Rail System	1	0.2	2	0.4	1	0.2	1	0.2	0	0	5
Grand Trunk Western Railroad Inc.	2	0.4	5	1.0	3	0.6	3	0.6	2	0.4	15
Houston Belt & Terminal Railway Co.	1	0.2	0	0	0	0	0	0	0	0	1
Illinois Central Railroad Co.	9	1.7	3	0.6	5	0.9	1	0.2	6	1.3	24
Indiana Harbor Belt Railroad Co.	1	0.2	0	0	2	0.4	3	0.6	1	0.2	7
Kansas City Southern Railway Co.	5	0.9	9	1.7	4	0.8	6	1.2	2	0.4	26
Long Island Rail Road	16	3.0	11	2.1	7	1.3	13	2.6	6	1.3	53
Metro North Commuter Railroad Co.	3	0.6	6	1.1	11	2.1	14	2.8	2	0.4	36
Montana Rail Link	3	0.6	4	0.8	1	0.2	1	0.2	2	0.4	11
Northern Indiana Commuter Trans. District	1	0.2	0	0	2	0.4	1	0.2	0	0	4
Northeast Illinois Reg Commuter Rail Corp.	2	0.4	2	0.4	6	1.1	5	1.0	5	1.1	20
New Jersey Transit Rail Operations	18	3.4	11	2.1	17	3.2	25	5.1	14	3.0	85
Norfolk Southern Corp.	75	14.1	58	11.1	66	12.5	49	9.9	57	12.1	305
Paducah & Louisville Railway Co.	1	0.2	0	0	0	0	1	0.2	1	0.2	3
Port Authority Trans Hudson	0	0	0	0	0	0	1	0.2	0	0	1
Southeastern Pennsylvania Trans. Authority	2	0.4	4	0.8	5	0.9	1	0.2	5	1.1	17
Soo Line Railroad Co.	6	1.1	1	0.2	1	0.2	2	0.4	4	0.8	14
Southern Pacific Transportation Co.	41	7.7	43	8.2	43	8.1	47	9.5	62	13.2	236
St. Louis Southwestern Railway Co.	5	0.9	2	0.4	4	0.8	0	0	3	0.6	14
Southern Pacific, Chicago-St. Louis Corp.	2	0.4	0	0	1	0.2	0	0	1	0.2	4
Union Pacific Railroad Co.	78	14.6	64	12.2	87	16.4	77	15.6	85	18.0	391
Wisconsin Central Ltd. (also Railway)	1	0.2	0	0	1	0.2	4	0.8	1	0.2	7
...Total	533	100.0	523	100.0	529	100.0	494	100.0	471	100.0	2,550

Excludes trespassers in highway-rail collisions

SUMMARY OF TRESPASSER INJURIES BY RAILROAD

INJURIES

Railroad	YEAR										Total Count
	1992		1993		1994		1995		1996		
	Count	Pct	Count	Pct	Count	Pct	Count	Pct	Count	Pct	
Other Railroads	12	2.2	20	3.9	16	3.5	29	6.3	17	3.6	94
Alton & Southern Railroad	1	0.2	0	0	1	0.2	0	0	0	0	2
Alaska Railroad Corp.	0	0	0	0	0	0	1	0.2	2	0.4	3
Amtrak (National Railroad Passenger Corp.)	45	8.3	20	3.9	12	2.7	6	1.3	14	3.0	97
Burlington Northern Santa Fe	73	13.5	55	10.8	68	15.0	85	18.4	77	16.2	358
Birmingham Southern Railroad Co.	1	0.2	0	0	0	0	0	0	0	0	1
Chicago, Central & Pacific Railroad Co.	2	0.4	0	0	6	1.3	1	0.2	1	0.2	10
Consolidated Rail Corp.	50	9.3	44	8.6	16	3.5	19	4.1	5	1.1	134
CSX Transportation	44	8.1	59	11.6	59	13.1	45	9.8	54	11.4	261
Delaware & Hudson Railway Co.	1	0.2	11	2.2	4	0.9	3	0.7	1	0.2	20
Dakota, Minnesota & Eastern Railroad	1	0.2	0	0	0	0	0	0	1	0.2	2
Duluth, Missabe & Iron Range Railway Co.	1	0.2	0	0	0	0	0	0	0	0	1
Denver & Rio Grande Western Railroad Co.	3	0.6	0	0	3	0.7	1	0.2	0	0	7
Elgin, Joliet & Eastern Railway Co.	0	0	0	0	1	0.2	0	0	0	0	1
Florida East Coast Railway Co.	17	3.1	13	2.6	26	5.8	19	4.1	9	1.9	84
Guilford Rail System	0	0	1	0.2	0	0	2	0.4	0	0	3
Grand Trunk Western Railroad Inc.	7	1.3	6	1.2	3	0.7	4	0.9	4	0.8	24
Gateway Western Railway	0	0	0	0	0	0	0	0	1	0.2	1
Houston Belt & Terminal Railway Co.	0	0	0	0	1	0.2	0	0	1	0.2	2
Illinois Central Railroad Co.	5	0.9	5	1.0	6	1.3	12	2.6	4	0.8	32
Indiana Harbor Belt Railroad Co.	3	0.6	7	1.4	2	0.4	5	1.1	2	0.4	19
Kansas City Southern Railway Co.	3	0.6	8	1.6	2	0.4	5	1.1	8	1.7	26
Long Island Rail Road	12	2.2	10	2.0	9	2.0	9	2.0	16	3.4	56
Metro North Commuter Railroad Co.	8	1.5	5	1.0	2	0.4	5	1.1	4	0.8	24
Montana Rail Link	3	0.6	2	0.4	3	0.7	3	0.7	1	0.2	12
Northeast Illinois Reg Commuter Rail Corp.	7	1.3	5	1.0	6	1.3	3	0.7	4	0.8	25
New Jersey Transit Rail Operations	13	2.4	11	2.2	5	1.1	9	2.0	3	0.6	41
Norfolk Southern Corp.	70	13.0	71	13.9	57	12.6	57	12.4	67	14.1	322
Paducah & Louisville Railway Co.	0	0	1	0.2	3	0.7	1	0.2	1	0.2	6
Southeastern Pennsylvania Trans. Authority	3	0.6	2	0.4	4	0.9	4	0.9	2	0.4	15
Soo Line Railroad Co.	5	0.9	5	1.0	7	1.5	8	1.7	6	1.3	31
Southern Pacific Transportation Co.	47	8.7	45	8.8	45	10.0	26	5.6	47	9.9	210
St. Louis Southwestern Railway Co.	2	0.4	2	0.4	3	0.7	2	0.4	1	0.2	10
Southern Pacific, Chicago-St. Louis Corp.	0	0	0	0	0	0	1	0.2	1	0.2	2
Terminal Railroad Association Of St. Louis	1	0.2	0	0	0	0	0	0	1	0.2	2
Union Pacific Railroad Co.	99	18.3	98	19.3	79	17.5	91	19.7	110	23.2	477
Wisconsin Central Ltd. (also Railway)	1	0.2	3	0.6	3	0.7	5	1.1	7	1.5	19
Wheeling & Lake Erie Railway Co.	0	0	0	0	0	0	0	0	2	0.4	2
...Total	540	100.0	509	100.0	452	100.0	461	100.0	474	100.0	2,436

Excludes trespassers in highway-rail collisions

SUMMARY OF TRESPASSER DEATHS AND INJURIES BY MONTH

DEATHS

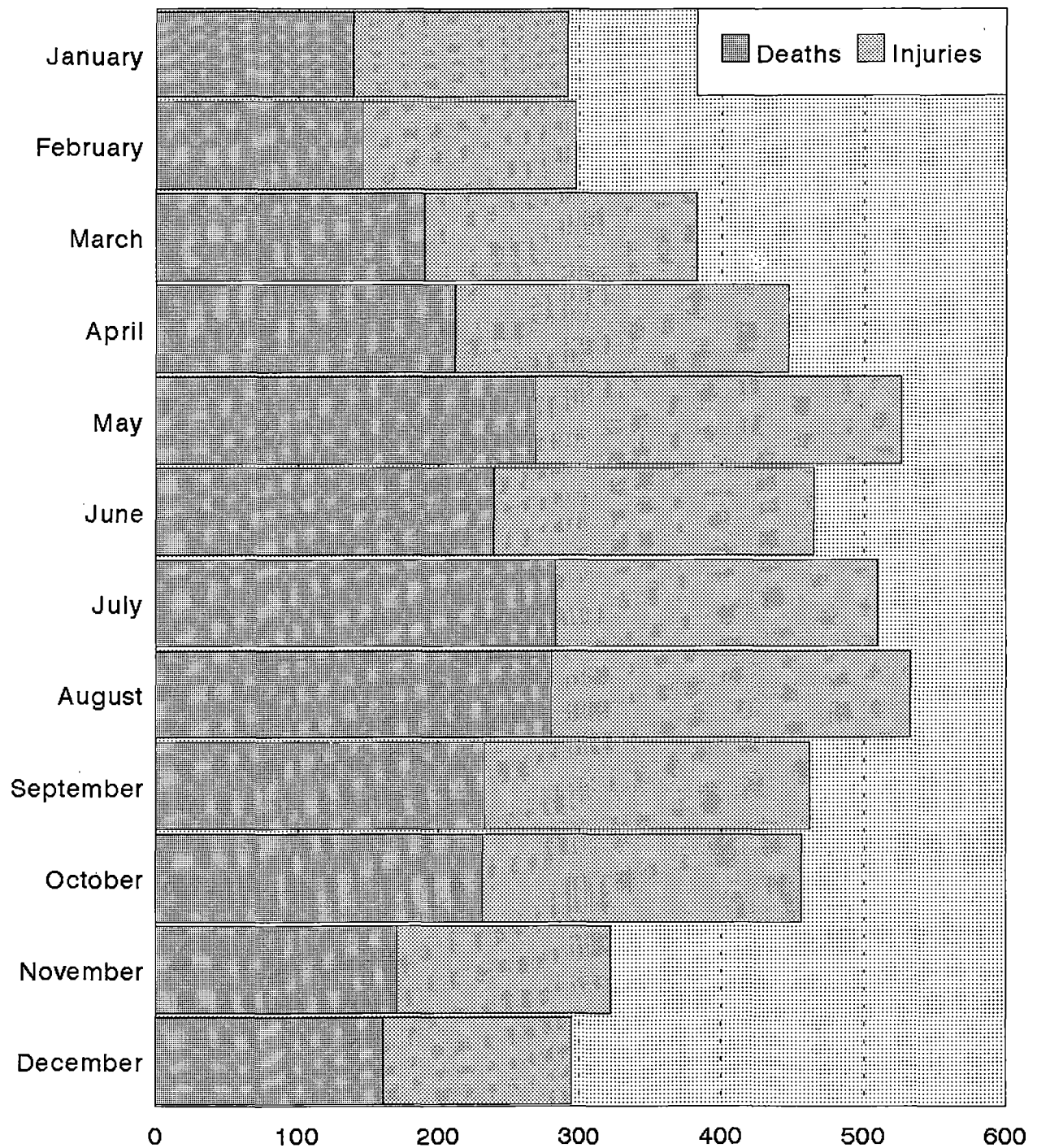
Month	YEAR										Total
	1992		1993		1994		1995		1996		
	Count	Pct	Count	Pct	Count	Pct	Count	Pct	Count	Pct	
January	27	5.1	18	3.4	32	6.0	34	6.9	28	5.9	139
February	31	5.8	31	5.9	31	5.9	26	5.3	27	5.7	146
March	47	8.8	44	8.4	32	6.0	38	7.7	29	6.2	190
April	44	8.3	35	6.7	62	11.7	35	7.1	35	7.4	211
May	63	11.8	49	9.4	62	11.7	41	8.3	53	11.3	268
June	39	7.3	54	10.3	41	7.8	48	9.7	57	12.1	239
July	53	9.9	61	11.7	58	11.0	51	10.3	60	12.7	283
August	57	10.7	53	10.1	56	10.6	65	13.2	49	10.4	280
September	55	10.3	47	9.0	49	9.3	47	9.5	34	7.2	232
October	52	9.8	57	10.9	35	6.6	48	9.7	39	8.3	231
November	35	6.6	35	6.7	42	7.9	31	6.3	27	5.7	170
December	30	5.6	39	7.5	29	5.5	30	6.1	33	7.0	161
...Total	533	100.0	523	100.0	529	100.0	494	100.0	471	100.0	2,550

INJURIES

Month	YEAR										Total
	1992		1993		1994		1995		1996		
	Count	Pct	Count	Pct	Count	Pct	Count	Pct	Count	Pct	
January	29	5.4	34	6.7	28	6.2	41	8.9	20	4.2	152
February	43	8.0	24	4.7	26	5.8	31	6.7	27	5.7	151
March	46	8.5	28	5.5	35	7.7	49	10.6	35	7.4	193
April	61	11.3	43	8.4	56	12.4	33	7.2	43	9.1	236
May	64	11.9	58	11.4	28	6.2	52	11.3	56	11.8	258
June	44	8.1	52	10.2	49	10.8	34	7.4	47	9.9	226
July	48	8.9	47	9.2	50	11.1	37	8.0	45	9.5	227
August	49	9.1	63	12.4	38	8.4	50	10.8	53	11.2	253
September	48	8.9	53	10.4	38	8.4	42	9.1	49	10.3	230
October	48	8.9	49	9.6	40	8.8	41	8.9	47	9.9	225
November	29	5.4	37	7.3	35	7.7	28	6.1	23	4.9	152
December	31	5.7	21	4.1	29	6.4	23	5.0	29	6.1	133
...Total	540	100.0	509	100.0	452	100.0	461	100.0	474	100.0	2,436

Excludes trespassers in highway-rail collisions

5 YEAR HISTORY OF TRESPASSER CASUALTIES



Injuries	152	151	193	236	258	226	227	253	230	225	152	133
Deaths	139	146	190	211	268	239	283	280	232	231	170	161

Excludes Highway-rail

SUMMARY OF TRESPASSER DEATHS BY OCCURRENCES

DEATHS

Occurrence	YEAR									
	1992		1993		1994		1995		1996	
	Count	Pct	Count	Pct	Count	Pct	Count	Pct	Count	Pct
Other occurrences	52	9.8	36	6.9	33	6.2	44	8.9	27	5.7
GETTING ON/OFF ONTRACK EQUIPMENT										
Getting on or off ontrack equipment	3	0.6	4	0.8	2	0.4	0	0	5	1.1
Jumping from equipment - eqp moving	0	0	0	0	2	0.4	2	0.4	1	0.2
Other acc/inc while getting on/off cars/locos - eqp mov	0	0	2	0.4	3	0.6	1	0.2	2	0.4
STRUCK BY ONTRACK EQUIPMENT (not at highway-rail xing)										
Standing, walking/running on/along trk - eqp standing	1	0.2	2	0.4	4	0.8	1	0.2	3	0.6
Standing, walking/running on/along trk - eqp moving	193	36.2	172	32.9	216	40.8	184	37.2	182	38.6
Crossing trk at private rail-highway crossing - eqp moving	3	0.6	4	0.8	9	1.7	2	0.4	1	0.2
Crossing trk not at a crossing - eqp standing	0	0	1	0.2	0	0	0	0	1	0.2
Crossing trk not at a crossing - eqp moving	41	7.7	33	6.3	34	6.4	29	5.9	26	5.5
While on public thoroughfare - eqp moving	0	0	6	1.1	5	0.9	1	0.2	0	0
On bridges/trestles - eqp moving	23	4.3	13	2.5	24	4.5	20	4.0	14	3.0
Sitting/lying on trk/near trk, not in clear - eqp moving	157	29.5	195	37.3	160	30.2	180	36.4	167	35.5
While working on/along trk - eqp moving	1	0.2	0	0	0	0	0	0	1	0.2
Passing over, through,/under cars - eqp standing	1	0.2	1	0.2	0	0	0	0	0	0
Passing over, through,/under cars - eqp moving	11	2.1	6	1.1	9	1.7	6	1.2	5	1.1
Struck by/ran into loco/car (not hwy x-ing), misc-eqp std	3	0.6	2	0.4	1	0.2	1	0.2	2	0.4
Struck by/ran into loco/car (not hwy x-ing), misc-eqp mov	37	6.9	41	7.8	24	4.5	19	3.8	28	5.9
SLIPPED/FELL/STUMBLED, not otherwise classified										
Slip/fell, etc. on parts of trk in place	1	0.2	0	0	0	0	0	0	0	0
Slip/fell, etc. on parts of trk in place-eqp moving	0	0	0	0	1	0.2	0	0	0	0
Slip/fell from bridges/trestles	0	0	1	0.2	2	0.4	3	0.6	3	0.6
Slip/fell from bridges of trestles-eqp moving	1	0.2	2	0.4	0	0	1	0.2	0	0
Slip/fell while on locomotive/car-eqp standing	0	0	1	0.2	0	0	0	0	0	0
Slip/fell while on locomotive/car-eqp moving	1	0.2	0	0	0	0	0	0	1	0.2
Other, slipping, falling, caught, etc.	0	0	1	0.2	0	0	0	0	0	0
Other, slipping, falling, caught, etc. - eqp moving	4	0.8	0	0	0	0	0	0	2	0.4
...Total	533	100.0	523	100.0	529	100.0	494	100.0	471	100.0

Excludes trespassers in highway-rail collisions

SUMMARY OF TRESPASSER INJURIES BY OCCURRENCES

INJURIES

Occurrence	YEAR									
	1992		1993		1994		1995		1996	
	Count	Pct	Count	Pct	Count	Pct	Count	Pct	Count	Pct
Other occurrences	66	12.2	66	13.0	83	18.4	87	18.9	48	10.1
GETTING ON/OFF ONTRACK EQUIPMENT										
Getting on or off ontrack equipment	15	2.8	10	2.0	15	3.3	8	1.7	9	1.9
Striking body/falling due to sudden movement of equipment	0	0	1	0.2	0	0	2	0.4	0	0
Jumping from equipment - eqp standing	1	0.2	0	0	0	0	1	0.2	2	0.4
Jumping from equipment - eqp moving	9	1.7	15	2.9	9	2.0	7	1.5	3	0.6
Other acc/inc while getting on/off cars/locos - eqp std	0	0	1	0.2	1	0.2	0	0	0	0
Other acc/inc while getting on/off cars/locos - eqp mov	10	1.9	16	3.1	6	1.3	9	2.0	9	1.9
STRUCK BY ONTRACK EQUIPMENT (not at highway-rail xing)										
Standing, walking/running on/along trk - eqp standing	1	0.2	1	0.2	3	0.7	2	0.4	1	0.2
Standing, walking/running on/along trk - eqp moving	135	25.0	148	29.1	130	28.8	115	24.9	118	24.9
Crossing trk at private rail-highway crossing - eqp moving	4	0.7	3	0.6	0	0	0	0	1	0.2
Crossing trk not at a crossing - eqp standing	3	0.6	0	0	0	0	1	0.2	1	0.2
Crossing trk not at a crossing - eqp moving	42	7.8	22	4.3	16	3.5	18	3.9	24	5.1
While on public thoroughfare - eqp moving	10	1.9	1	0.2	0	0	4	0.9	0	0
On bridges/trestles - eqp moving	14	2.6	16	3.1	19	4.2	17	3.7	10	2.1
Sitting/lying on trk/near trk, not in clear - eqp moving	89	16.5	100	19.6	83	18.4	83	18.0	103	21.7
While working on/along trk - eqp moving	0	0	1	0.2	0	0	0	0	0	0
Passing over, through, under cars - eqp standing	3	0.6	2	0.4	2	0.4	1	0.2	2	0.4
Passing over, through, under cars - eqp moving	43	8.0	36	7.1	34	7.5	39	8.5	46	9.7
Struck by/ran into loco/car (not hwy x-ing), misc-eqp std	2	0.4	1	0.2	2	0.4	2	0.4	4	0.8
Struck by/ran into loco/car (not hwy x-ing), misc-eqp mov	41	7.6	38	7.5	25	5.5	30	6.5	63	13.3
SLIPPED/FELL/STUMBLED, not otherwise classified										
Slip/fell, etc. on foreign material/irregular surface	2	0.4	0	0	0	0	1	0.2	0	0
Slip/fell, etc. on foreign mat./irregular surface-eqp mov	2	0.4	1	0.2	0	0	0	0	1	0.2
Slip/fell, etc. on parts of trk in place	4	0.7	3	0.6	1	0.2	3	0.7	4	0.8
Slip/fell, etc. on parts of trk in place-eqp moving	1	0.2	0	0	0	0	0	0	1	0.2
Slip/fell, etc. on stairways, ramps/platforms	2	0.4	0	0	0	0	1	0.2	1	0.2
Slip/fall, between loco/car struct-eqp std	2	0.4	0	0	1	0.2	0	0	0	0
Slip/fall, between loco/car struct-eqp mov	2	0.4	1	0.2	4	0.9	1	0.2	2	0.4
Slip/fell from bridges/trestles	3	0.6	7	1.4	4	0.9	7	1.5	6	1.3
Slip/fell from bridges of trestles-eqp moving	6	1.1	1	0.2	2	0.4	2	0.4	0	0
Slip/fell fm structures other than bridges/trestles	2	0.4	1	0.2	0	0	1	0.2	0	0
Slip/fell into depressions	0	0	0	0	1	0.2	2	0.4	0	0
Slip/fell while on locomotive/car-eqp standing	3	0.6	1	0.2	4	0.9	3	0.7	2	0.4
Slip/fell while on locomotive/car-eqp moving	4	0.7	7	1.4	5	1.1	6	1.3	7	1.5
Other, slipping, falling, caught, etc.	4	0.7	4	0.8	1	0.2	2	0.4	2	0.4
Other, slipping, falling, caught, etc. - eqp moving	15	2.8	5	1.0	1	0.2	6	1.3	4	0.8
...Total	540	100.0	509	100.0	452	100.0	461	100.0	474	100.0

Excludes trespassers in highway-rail collisions

SUMMARY OF TRESPASSER DEATHS AND INJURIES BY AGE

DEATHS

	YEAR										
	1992		1993		1994		1995		1996		...Total
	Count	Pct	Count	Pct	Count	Pct	Count	Pct	Count	Pct	
--- Age Range											
Unknown	105	19.7	104	19.9	95	18.0	78	15.8	98	20.8	480
1 - 5	7	1.3	5	1.0	3	0.6	2	0.4	3	0.6	20
6 - 10	4	0.8	2	0.4	5	0.9	2	0.4	1	0.2	14
11 - 15	27	5.1	19	3.6	28	5.3	16	3.2	20	4.2	110
16 - 20	42	7.9	55	10.5	38	7.2	47	9.5	37	7.9	219
21 - 25	57	10.7	69	13.2	60	11.3	62	12.6	59	12.5	307
26 - 30	75	14.1	66	12.6	59	11.2	58	11.7	46	9.8	304
31 - 35	64	12.0	52	9.9	68	12.9	78	15.8	46	9.8	308
36 - 40	46	8.6	55	10.5	64	12.1	43	8.7	60	12.7	268
41 - 45	33	6.2	33	6.3	44	8.3	39	7.9	34	7.2	183
46 - 50	25	4.7	15	2.9	24	4.5	26	5.3	20	4.2	110
51 - 55	14	2.6	11	2.1	9	1.7	14	2.8	20	4.2	68
56 - 60	9	1.7	9	1.7	9	1.7	9	1.8	3	0.6	39
61 - 65	6	1.1	9	1.7	4	0.8	8	1.6	2	0.4	29
66 - 70	6	1.1	4	0.8	5	0.9	2	0.4	5	1.1	22
71 - 75	3	0.6	4	0.8	2	0.4	6	1.2	4	0.8	19
76 - 80	3	0.6	7	1.3	6	1.1	2	0.4	7	1.5	25
81 - 85	4	0.8	3	0.6	4	0.8	2	0.4	5	1.1	18
86 - 90	2	0.4	1	0.2	2	0.4	0	0	1	0.2	6
91 - 95	1	0.2	0	0	0	0	0	0	0	0	1
...Total	533	100.0	523	100.0	529	100.0	494	100.0	471	100.0	2,550

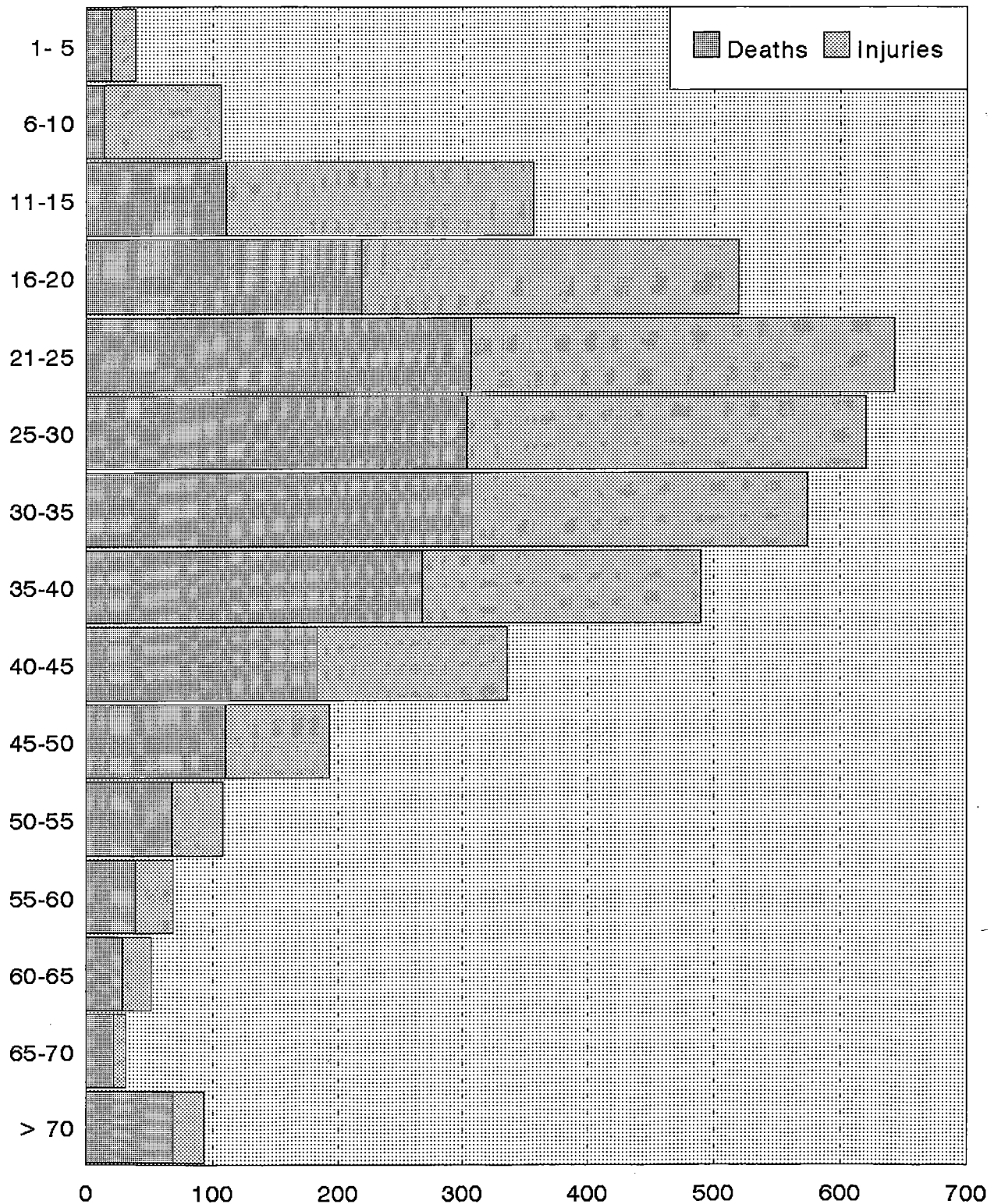
INJURIES

	YEAR										
	1992		1993		1994		1995		1996		...Total
	Count	Pct	Count	Pct	Count	Pct	Count	Pct	Count	Pct	
--- Age Range											
Unknown	98	18.1	57	11.2	32	7.1	21	4.6	68	14.3	276
1 - 5	4	0.7	6	1.2	2	0.4	3	0.7	4	0.8	19
6 - 10	25	4.6	21	4.1	19	4.2	14	3.0	13	2.7	92
11 - 15	68	12.6	48	9.4	45	10.0	43	9.3	43	9.1	247
16 - 20	65	12.0	56	11.0	61	13.5	68	14.8	50	10.5	300
21 - 25	55	10.2	68	13.4	71	15.7	64	13.9	78	16.5	336
26 - 30	67	12.4	65	12.8	63	13.9	59	12.8	62	13.1	316
31 - 35	49	9.1	62	12.2	51	11.3	62	13.4	42	8.9	266
36 - 40	41	7.6	49	9.6	45	10.0	51	11.1	36	7.6	222
41 - 45	25	4.6	39	7.7	29	6.4	36	7.8	24	5.1	153
46 - 50	22	4.1	14	2.8	10	2.2	15	3.3	22	4.6	83
51 - 55	7	1.3	9	1.8	8	1.8	8	1.7	8	1.7	40
56 - 60	2	0.4	5	1.0	5	1.1	6	1.3	12	2.5	30
61 - 65	5	0.9	5	1.0	4	0.9	6	1.3	3	0.6	23
66 - 70	2	0.4	0	0	3	0.7	2	0.4	2	0.4	9
71 - 75	1	0.2	2	0.4	1	0.2	2	0.4	1	0.2	7
76 - 80	3	0.6	2	0.4	2	0.4	0	0	3	0.6	10
81 - 85	0	0	1	0.2	1	0.2	0	0	2	0.4	4
86 - 90	0	0	0	0	0	0	1	0.2	0	0	1
91 - 95	1	0.2	0	0	0	0	0	0	1	0.2	2
...Total	540	100.0	509	100.0	452	100.0	461	100.0	474	100.0	2,436

Excludes trespassers in highway-rail collisions

5 YEAR HISTORY OF TRESPASSER CASUALTIES

Unreported age not included



SUMMARY OF TRESPASSER INJURIES BY INJURY TYPE

Injury	YEAR										Total Count
	1992		1993		1994		1995		1996		
	Count	Pct	Count	Pct	Count	Pct	Count	Pct	Count	Pct	
Bruise/contusion, unspecified	49	9.1	62	12.2	47	10.4	68	14.8	48	10.1	274
Sprain/strain, unspecified	8	1.5	5	1.0	10	2.2	10	2.2	13	2.7	46
Cut/abrasion, unspecified	1	0.2	0	0	1	0.2	0	0	0	0	2
Cut/abrasion, arm or hand	4	0.7	9	1.8	10	2.2	7	1.5	8	1.7	38
Cut/abrasion, leg or foot	23	4.3	21	4.1	18	4.0	11	2.4	15	3.2	88
Cut/abrasion, head/face	56	10.4	46	9.0	40	8.8	45	9.8	44	9.3	231
Cut/abrasion, torso	10	1.9	13	2.6	3	0.7	7	1.5	6	1.3	39
Cut/abrasion, multiple	2	0.4	6	1.2	7	1.5	4	0.9	8	1.7	27
Cut/abrasion, not specified	21	3.9	15	2.9	9	2.0	3	0.7	5	1.1	53
Puncture wound, unspecified	1	0.2	2	0.4	1	0.2	4	0.9	1	0.2	9
Electric shock/burn, unspecified	11	2.0	6	1.2	5	1.1	4	0.9	7	1.5	33
Other burn, unspecified	0	0	0	0	1	0.2	0	0	2	0.4	3
Dislocation, unspecified	1	0.2	5	1.0	4	0.9	2	0.4	0	0	12
Fracture, arm or hand	29	5.4	20	3.9	25	5.5	21	4.6	19	4.0	114
Fracture, leg or foot	39	7.2	45	8.8	52	11.5	45	9.8	58	12.2	239
Fracture, head/face	8	1.5	11	2.2	11	2.4	7	1.5	8	1.7	45
Fracture, torso	13	2.4	19	3.7	20	4.4	23	5.0	15	3.2	90
Fracture, multiple	1	0.2	8	1.6	4	0.9	5	1.1	5	1.1	23
Fracture, not specified	2	0.4	3	0.6	3	0.7	0	0	1	0.2	9
Unspecified injury	93	17.2	64	12.6	47	10.4	56	12.1	76	16.0	336
Amputation, arm or hand	32	5.9	26	5.1	20	4.4	28	6.1	29	6.1	135
Amputation, leg or foot	99	18.3	105	20.6	93	20.6	81	17.6	88	18.6	466
Object in eye	0	0	0	0	1	0.2	0	0	0	0	1
Concussion	11	2.0	3	0.6	2	0.4	5	1.1	7	1.5	28
Nervous shock	2	0.4	0	0	0	0	1	0.2	0	0	3
Internal injury	23	4.3	15	2.9	18	4.0	24	5.2	11	2.3	91
Skin reaction, unspecified	1	0.2	0	0	0	0	0	0	0	0	1
...Total	540	100.0	509	100.0	452	100.0	461	100.0	474	100.0	2,436

Excludes trespassers in highway-rail collisions

DEFINITIONS

DEFINITIONS

Accident/Incident

The term used to identify the group of events or situations related to a railroad's operation that are required to be reported. These include fatalities, injuries and illnesses; collisions, derailments, and similar events involving the operation of on-track equipment which resulted in monetary damage above an established threshold; and impacts between rail on-track equipment and highway users at crossings.

Fatality

The death of a person resulting from an injury incurred during railroad operations or resulting from an occupational illness, if death occurs within 365 days of initial diagnosis.

Highway-rail Crossing

A location where one or more railroad tracks cross a public highway, road, street, or a private roadway, including sidewalks, pathways, shoulders, etc., at or associated with the crossing site.

Injury

Physical harm to a person resulting from a single event, activity, occurrence, etc. Any injury that requires medical treatment is reportable on that basis alone. However, medical treatment of a first aid nature is not reportable.

Medical Treatment

Includes treatment administered by a physician or by registered professional personnel under the standing orders of a physician. Medical treatment does not include first-aid treatment (one-time treatment and subsequent observation of minor scratches, cuts, burns, splinters, etc., which do not normally require medical care) or precautionary measures even when these services are performed by a physician or registered professional personnel.

Note: Further clarification on the definition of medical treatment is cited in the FRA Guide for preparing Accident/Incident Reports.

Trespassers

Persons who are on that part of railroad property used in railroad operation and whose presence is prohibited, forbidden, or unlawful.

Note: A person on a highway-rail crossing would not normally be classified as a trespasser unless the crossing is protected by gates, or other similar barriers that were closed when the person went on the crossing, or unless the person attempted to pass over, under or between cars or locomotives of a consist occupying the crossing. For purposes of this bulletin, trespassers killed or injured at highway-rail crossings are excluded.

**INJURY AND
ILLNESS
FORM**

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Trespasser Bulletin, No. 5, Calendar Year 1996, 1997,
08-Rail-Highway Grade Crossing

SNW-D-00-05889A



RAILROAD INJURY AND ILLNESS SUMMARY (CONTINUATION SHEET)

FORM APPROVED
OMB NO. 2130-0500

SHEET _____ OF _____

9.

CASUALTIES (Cont.)[illegible]