



Federal Railroad Administration Office of Safety Analysis

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1.11 - One Year Accident/Incident Overview - Combined

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ONE YEAR ACCIDENT/INCIDENT OVERVIEW BY REGION/STATE/COUNTY

Report Type - ' CALENDAR YEAR '

SELECTION: Railroad - ALL

All Regions

State - All States County - All

January To December, 2015

Reporting Level:... ALL

IMPORTANT: Rates calculated on National Level do not display for Region or State Geography

' CALENDAR YEAR '

TOTAL ACCIDENTS/INCIDENTS:	11,305	Number of fatal accidents/incidents	744	6.58%
Overall frequency rate:	15.33	Total train miles:	737,445,877	
Total fatalities:	792	Switching miles:	91,713,186	
Total nonfatal conditions:	8,530	Employee hours:	477,436,920	

Total accidents/incidents is the sum of train accidents, highway-rail incidents, and other incidents.
Total accident/incident rate is the number of events times 1,000,000 divided by total train miles.

TOTAL TRAIN ACCIDENTS:	1,865	Number of fatal train accidents	6	0.32%
Number per million train miles:	2.53	Collisions:	143	7.67%
Total fatalities:	13	Derailments:	1,318	70.67%
Total nonfatal conditions:	539	Other accidents:	404	21.66%

-----Primary causes-----

Human factors:	39.25%	732	Track defects:	513	27.51%
Equipment defects:	13.62%	254	Signal defects:	52	2.79%
Miscellaneous causes:	16.84%	314			

Number of accidents on yard track: 1,117 59.89% of all train accidents.
Nbr per million yard train miles: 12.18 For other tracks: 1.16

Train accidents represent 16.50% of all reported events.

Number of train accidents involving passenger trains 61 3.27%

Number of train accidents that resulted in a release of hazardous material 17 0.91% of total
Number of persons evacuated 6,909 Number of rail cars releasing hazmat 66

A train accident is an event involving ontrack rail equipment that results in monetary damage to the equipment and track above a certain threshold. Lading, clearing costs, environmental damage is not included.

HIGHWAY-RAIL		TRESPASSING INCIDENTS(not at crossings)	
Crossings: 209,444	Incidents: 2,059	Frequency per million train miles:	1.21
Number per million train miles:	2.79	Total fatalities:	486
Total fatalities:	240	Total nonfatal conditions:	407
Total nonfatal conditions:	980		
Number of fatal crossing incidents	213		10.34%

Public Crossings 129,469 With gates 46,850 Other activated crossings 21,704 Number with passive warnings 60,915
Private crossings 79,975 ***** THE COUNT OF CROSSINGS IS THE COUNT IN THE CURRENT INVENTORY *****

Highway-rail and trespassing incidents account for 91.67% of all fatalities.
Highway-rail incidents represent 18.21% of all reported events.

A highway-rail incident is any impact between a rail and a highway user at a crossing site, regardless of severity. Includes motor vehicles and other highway/roadway/sidewalk users at both public and private crossings.

OTHER INCIDENTS:	7,381	Number of fatal other incidents	525	7.11% of other incidents
Other incidents account for:	65.29%	of all accidents/incidents		
Total fatalities:	539	9	Number to employees on duty.	Trespassers 486
Total nonfatal conditions:	7,011	4,066	Number to employees on duty	

Other incidents include any event where that caused a death, an injury, or an occupational illness to a railroad employee. Most fatalities in this category are to trespassers.

EMPLOYEES ON DUTY CASES:	4,233	Frequency per 200,000 hours worked:	1.77
Total fatalities:	11	1.39%	of all fatalities
Total nonfatal conditions:	4,222	49.50%	of all nonfatal cases

Passengers carried: 699,967,191 Passenger miles: 21,776,076,459

Total passenger deaths 17. Total passengers injured 1491.

The frequency of passenger cases per 100,000,000 passenger miles is 6.93 Passenger cases include all circumstances; including getting off/on standing trains, stumbling aboard trains, assaults, train accidents, crossing incidents, etc.

A passenger mile is the movement of a passenger one mile.