**Searching the Contents of the FRA** [***Safety Data***](http://safetydata.fra.dot.gov/OfficeofSafety/Default.aspx) **Web Site**

\*\*\*IMPORTANT\*\*\*

To figure out which FRA Safety Data Query you’ll need to use, it can help to know what you are looking for. The easiest way to find what you want is to search by keyword. To find what you want, you’ll be doing a keyword search for specific terms by using Control F feature (i.e. find) in Adobe PDF or MS Word. The OUTPUT TABLE COLUMNS is where you’ll want to look first.

1. Hold down CRTL key, while tapping “F”
2. A SEARCH (or NAVIGATE) box will pop up.
3. Type in the key word you want…. i.e. “collisions”, or “passengers”
4. The search feature will find all occurrences of that word.
5. Hints: Use the basic form of the word. If you can’t find the phrase, choose the most descriptive word from the phrase and try that.

[***1.02 Operational Data Tables***](http://safetydata.fra.dot.gov/OfficeofSafety/publicsite/Query/rrstab.aspx)

The *Operational Data Tables* report is based on the regulation- required monthly reporting of operational railroads. The form used to populate the output is the 6180.55, or the “55”. Counts displayed are per month, with a separate table for each calendar year.

SELECTION PARAMETERS: Reporting Level, Railroad, Sort, Start Year, End Year

Title of Output Table(s): Operational Data, By Month

OUTPUT TABLE COLUMNS:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Total Train Miles | Employee Hours Worked | Yard Switching Miles | Number of Passengers Transported | Passenger Miles\* | Reports\* |

Footnotes:

\* The movement of a passenger for a distance of one mile.

Total train miles includes yard switching miles.

[***1.11 One Year Accident/Incident Overview – Combined***](http://safetydata.fra.dot.gov/OfficeofSafety/publicsite/Query/AccidentByRegionStateCounty.aspx)

*The One Year Accident / Incident Overview* report displays about 70 measures in a more readable text report format. Optional date ranges are by fiscal or calendar year, one year at a time only. Incidents, accidents, other incidents, grade crossing counts, trespasser data, employee on duty data and highway – rail accident counts are all displayed. Note: Incident and Accident rates, and the counts that go into them (Train Miles, Yard Switching Miles, Other Miles, Employee Hours), are automatically set to 0 on REGION, STATE and COUNTY geography levels. This is due to the way the data is reported by railroads: national level only, and therefore the counts are not valid for a railroad below that level.

SELECTION PARAMETERS: Reporting Level, Railroad, Sort, Region, State, County, Type of Report Requested, Start Month for Report, End Month for Report

OUTPUT TABLE COLUMNS:

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Total accidents/incidents count | Total # Accident/Incidents with fatalities | Total Rate Accident/Incidents with fatalities | Total accident/Incident Rate | Total Train Miles | Total Fatality count | Total Switching Miles | Total nonfatal conditions (injuries) | Employee Hours | Total Train Accidents |
| Rate fatal Train accidents | Number fatalities per million train miles | Number Collisions | Total Fatalities(?) | Number Derailments | Total Injuries  | Other accidents | Primary Cause Human Factor - percent | Primary Cause Human Factor - Count | Primary Cause Track - percent |
| Primary Cause Equipment - percent | Primary Cause Equipment - Count | Primary Cause Signal - percent | Primary Cause Signal - Count | Primary Cause Miscellaneous - percent | Primary Cause Miscellaneous - count | Count Accidents Yard Track | Percent Accidents Yard Track | Rate Accidents per million yard trrain miles | Rate Accidents per million miles - other |
| Overall percentage of train accidents per all incidents | Number of train accidents involving passenger trains | Percentage of train accidents involving passenger trains | Number of train accidents resulting in HAZMAT release | Percentage of train accidents resulting in HAZMAT release | Number of persons evacuated in HAZMAT release | Number of railcars releasing HAZMAT  | Number of Highway Rail Crossings | Number of Highway Rail Incidents | Grade Crossing Incidents per million train miles |
| Trespasser Incident Frequency per million train miles | Total Grade Crossing Fatalities | Total Trespasser Fatalities | Total Grade Crossing Injuries | Total Trespasser Incidents | Number of Public Crossngs | Number Public Crossings with Gates | Other activated Crossings | Number Crossings with Passive Warnings | Number Private Crossings |
| Highway Rail and Trespasser Fatalities as percent of all fatalities | Highway Rail and Trespasser Incidents as percent of all incidents | Number Other Incidents | Number of fatalities other incidents | Percent of fatalities other incidents | Percent of other incidents versus all incidents | Total fatalities | Total fatalities EOD | Total fatalities trespassers | Total non-fatal conditions - injuries |
| Total non-fatalities EOD | Employee on Duty (EOD) cases | Frequency EOD per 200K hours worked | Total EOD fatalities | % EOD fatalities versus all fatalities | Total EOD injuries | % EOD injuries versus all injuries | Number passengers carried | Number of passenger miles | Number passenger deaths |
| Number passenger injuries | rate passenger cases per 100,000,000 miles |  |  |  |  |  |  |  |  |

[***1.12 Ten Year Accident / Incident Overview***](http://safetydata.fra.dot.gov/OfficeofSafety/publicsite/Query/TenYearAccidentIncidentOverview.aspx)

The *Ten Year Accident / Incident Overview* report displays almost 60 measures within Table 1. Optional date ranges are by fiscal or calendar year: nine years plus one partial year or a full 10 years. The limited nine – plus display is in cases where the most current data available does not complete the year. Table 1 concentrates on the most commonly asked for measures of the Safety Data Information Management staff. Incidents, accidents, other incidents, grade crossing counts, trespasser data, employee on duty data and highway – rail accident counts are all displayed.

Table 2 displays the same date ranges as Table 1. Date ranges are by fiscal or calendar year: nine years plus one partial year or a full 10 years. There are nine measures giving general counts about the railroad, accident form counts, and whether the railroad is counted as an “Individual” “System” or “Consolidated railroad. Since for any particular incident multiple forms could be required to fully describe what happened, statistics are given about record counts of each major form for each railroad examined:

* Form 54 – Reportable accidents
* Form 55A – Injuries and fatalities
* Form 57 – Grade Crossing specific incidents
* Individual Reporting Level – counts displayed are for the chosen railroad code only – no aggregation takes place.
* System reporting Level – Larger railroads (Class 1, Larger Class 2’s mostly) are often made up of a few, or many, smaller railroads. This reporting aggregates all of the railroads in a “system” together.
* Consolidated Level – this is a special case reporting aggregation, allowed only for a few specific railroads who requested special consideration.

SELECTION PARAMETERS: Reporting Level, Railroad, Sort, Railroad Group, Region, State, County, Type of Report Requested, Start Month for Report, End Month for Report

OUTPUT TABLE COLUMNS:

1.12 - TEN YEAR ACCIDENT / INCIDENT OVERVIEW

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Number of railroads included in analysis | TOTAL ACCIDENTS/INCIDENTS 1/  | ..... RATE of Total Accidents / Incidents per million train miles  |  Total fatalities | Total nonfatal conditions - injuries  | Employee on duty deaths  | Nonfatal Employee On Duty injuries  | Nonfatal Employee On Duty illnesses  | Total employee on duty cases  | Employee hours worked |
| Cases with days absent from work | Trespasser deaths, not at HRC  | Trespasser injuries, not at HRC | Passengers kld in train accs or crossing incidents | Passengers inj in train accs or crossing incidents | Passengers kld in other incidents | Passengers inj in other incidents | Passengers transported | Total train miles | Yard switching miles |
| TRAIN ACCIDENTS | RATE of Train Accidents per million train miles | Train accident deaths | Train accident injuries | Human factor caused count | Track caused accident count | Motive power/equipment caused count | Signal caused count, all track types | Signal caused count, main line track | Miscellaneous caused |
| Collisions | Collisions on main line track | Derailments | Other types, e.g., obstructions | Train accidents on main line | RATE of Train accidents per million train miles | Accidents on yard track | RATE of yard accidents / yard switching miles | HAZMAT RELEASES | Cars carrying hazmat |
| Hazmat cars damaged/derailed | Cars releasing | Accidents with reportable damage over $100K | Accidents with reportable damage over $100K, PERCENT of all train accidents | Accidents with reportable damage over $500K | Accidents with reportable damage over $500K, PERCENT of all train accidents | Accidents with reportable damage over $1M | Accidents with reportable damage over $1M, PERCENT of all train accidents | HIGHWAY-RAIL INCIDENTS | RATE of Highway-rail incidents per mil train miles |
| Highway-rail incidents deaths | Highway-rail incidents injuries | Incidents at public xings | PERCENT of total Highway-rail incidents | OTHER ACCIDENTS/INCIDENTS counts | Other incidents deaths counts | Other incidents injuries counts |  |  |  |

OUTPUT TABLE COLUMNS:

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Railroad | Total Accident / Incident Records Count | Percent of Total Accident / Incident | Form 57 (Grade Crossing Incidents) Count | Form 57 Percent of Accident / Incident Railroad Total | Form 55A (Casualties) Count | Form 55A Percent of Accident / Incident Railroad Total | System Railroad Code | Consolidated Railroad Code |  |

FOOTNOTE 1. Form 55a used for reporting deaths and injuries. Form 54 for train accidents, and Form 57 for highway-rail crossing incidents

[***1.13 - Freight/Passenger Operations Ten Year Overview***](http://safetydata.fra.dot.gov/OfficeofSafety/publicsite/Query/TenYearFreightPassengerOperationsOverview.aspx)

The *Freight – Passenger Operations Ten Year Overview* report is specific to Freight or Passenger railroads. It will display only one or the other. The report displays 48 measures, the same in many cases to the counts and rates in the standard Overview from 1.12. It is also a “ten year” report, Fiscal or Calendar year - nine years plus one partial year or a full 10 years. The limited nine – plus display is in cases where the most current data available does not complete the year.

There is a special case note displayed on this report: ***Freight and Passenger Operational data cannot be combined for comparison with the results of other accident/incident reports due to the fact that these operational reports are based on type of equipment reported to FRA and the fact that both freight and passenger equipment may be involved in a single accident/incident.***

SELECTION PARAMETERS: Freight or Passenger Button, Region, State, County, Type of Report Requested, Start Month for Report, End Month for Report

OUTPUT TABLE COLUMNS:

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| TOTAL FREIGHT (or PASSENGER) ACCIDENTS/INCIDENTS | RATE of Total Acc/Incs per mil Freight (or PASSENGER) train miles | Total fatalities | Total nonfatal conditions | Employee On Duty (EOD) deaths | Nonfatal Employee On Duty (EOD) injuries | Nonfatal Employee On Duty (EOD) illnesses | Total Employee On Duty (EOD) cases | Cases with days absent from work | Trespasser deaths, not at Highway-Rail Crossing (HRC) |
| Trespasser injuries, not at Highway-Rail Crossing (HRC) | Total Freight (or PASSENGER) train miles | FREIGHT (or PASSENGER) TRAIN ACCIDENTS | RATE of Train Accidents per million Freight (or PASSENGER) train miles | Train accident deaths | Train accident injuries | Human factor caused count | Track caused count | Motive power/equipment caused count | Signal caused count, all track types |
| Signal caused count, main line track | Miscellaneous caused count | Collisions count | Collisions on main line track count | Derailments | Other types, e.g., obstructions | Train accidents on main line | RATE of Train accidents per million Freight (or PASSENGER) train miles | Accidents on yard track | HAZMAT RELEASES |
| Cars carrying hazmat | Hazmat cars damaged/derailed | Cars releasing | Accidents with reportable damage over $100K | Accidents with reportable damage over $100K, PERCENT of all train accidents | Accidents with reportable damage over $500K | Accidents with reportable damage over $500K, PERCENT of all train accidents | Accidents with reportable damage over $1M | Accidents with reportable damage over $1M, PERCENT of all train accidents | FREIGHT (or PASSENGER) HIGHWAY-RAIL INCIDENTS |
| RATE of Highway-rail incidents per mil Freight (or PASSENGER) train miles | Highway-rail incidents deaths | Highway-rail incidents injuries | Incidents at public xings | PERCENT of total Highway-rail incidents | OTHER FREIGHT (or PASSENGER) ACCIDENTS/INCIDENTS | Other incidents deaths | Other incidents injuries |  |  |

[***1.14 Graphic Ten Year Accident/Incident Overview***](http://safetydata.fra.dot.gov/OfficeofSafety/publicsite/Query/GraphicTenYearAccidentIncidentOverview.aspx)

The *Graphical Ten Year Accident / Incident Overview* displays a large number of graphs, based on SELECTION PARAMETERS chosen. It displays graphical representations of many of the most important data measures found in Query 1.12. It is also a “ten year” report, Fiscal or Calendar year - nine years plus one partial year or a full 10 years. The limited nine – plus display is in cases where the most current data available does not complete the year. The 1.14 query also replaces the old 1.03 and 1.04 queries (which will be retired), since the same measures are displayed.

SELECTION PARAMETERS: Reporting Level, Railroad, Sort, Railroad Group, Region, State, County, Type of Report Requested, Start Month for Report, End Month for Report

OUTPUT TABLE COLUMNS:

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Tran Accidents and Incidents | Human Factor Rate  | Track – Cause Rate |  Equipment Defect Rate | Total Signal and Miscellaneous Cause Rate | High – Rail Incident Rate | Total Train Miles | Train Accident Rate | Total Fatalities | Total Non – Fatal Conditions - Injuries |
| Trespasser Fatalities | Trespasser Injuries | Employee on Duty Fatalities | Employee On Duty Injuries | Employee Hours Worked | Employee On Duty Cases |  |  |  |  |

[***2.03 Train Accidents by Railroad Groups***](http://safetydata.fra.dot.gov/OfficeofSafety/publicsite/Query/inctally3.aspx)

*Train Accident by Railroad Groups* emphasizes the role that railroad groups play in the accident data. ‘Group’ is FRA distinction determined by the number of Employee Hours Worked.

* Group 1 = Class 1 railroads
* Group 2 = railroads with > 400,000 employee hours worked that year
* Group 3 = railroads with < 400,000 employee hours

 There are five tables on the output, with all columns labeled essentially the same - column labels varying only by date range and whether “Year” = Calendar Year (CY) or “Year” = Fiscal Year (FY). Accident counts displayed are for the last three full years plus the fourth partial to full year. Table classes are by

* railroad
* state
* track class (main, siding, etc.)
* primary location of the accident site
* type of railroad equipment involved
* what the employee was doing (physical activity)
* primary location of the accident site and the immediate area description

SELECTION PARAMETERS: Railroad Group, Region, State, County, Type of Accident, Type of Track, Primary Cause of Accident, End Month, Last Year of 3 Year Comparison

Output Tables

* ACCIDENTS IN DESCENDING FREQUENCY BY RAILROAD
* ACCIDENTS IN DESCENDING FREQUENCY BY STATE
* ACCIDENTS IN DESCENDING FREQUENCY BY TRACK CLASS
* ACCIDENTS IN DESCENDING FREQUENCY BY CAUSE
* ACCIDENTS IN DESCENDING FREQUENCY BY TYPE

OUTPUT TABLE COLUMNS:

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Total Accidents | Percent of All Accidents | Total Year Counts Year 1 | Total Year Counts Year 2 | Total Year Counts Year 3 | Year Total Counts (start month to end month) Year 3 | Year Total Counts (start month to end month) Year 4 | Percent Change Over Time, Year 1 to Year 3 | Percent Change Over Time, Year 2 to Year 3 | Percent Change Over Time, Year 3 to Year 4 |

[***2.04 Employee on Duty Casualties***](http://safetydata.fra.dot.gov/OfficeofSafety/publicsite/Query/castally1.aspx)

*Employee on Duty Casualties* displays injury and fatality count statistics for employees on the job while working with rail equipment. There are seven tables on the output, with all columns labeled essentially the same - column labels varying only by date range and whether “Year” = Calendar Year (CY) or “Year” = Fiscal Year (FY). Accident counts displayed are for the last three full years plus the fourth partial to full year. Table classes are by

* state
* railroad
* employee job
* primary location of the accident site
* type of railroad equipment involved
* what the employee was doing (physical activity)
* primary location of the accident site and the immediate area description

SELECTION PARAMETERS: Reporting Level, Railroad, Sort, Region, State, County, Casualty Subsets, Location, Job Code Categories, Type of Report Requested, Start Month for Report, End Month for Report

Output Tables

* CASUALTIES (DEATHS AND INJURIES TO EMPLOYEES ON DUTY - (By State)
* CASUALTIES (DEATHS AND INJURIES TO EMPLOYEES ON DUTY - (By Railroad)
* CASUALTIES (DEATHS AND INJURIES TO EMPLOYEES ON DUTY -(By Job Type)
* CASUALTIES (DEATHS AND INJURIES TO EMPLOYEES ON DUTY -(By Primary Location)
* CASUALTIES (DEATHS AND INJURIES TO EMPLOYEES ON DUTY -(By Equipment Involved)
* CASUALTIES (DEATHS AND INJURIES TO EMPLOYEES ON DUTY -(By Physical Activity)
* CASUALTIES (DEATHS AND INJURIES TO EMPLOYEES ON DUTY -(By Type of Equipment and Location)

OUTPUT TABLE COLUMNS:

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Total Cases | Percent of All Cases | Total Year Counts Year 1 | Total Year Counts Year 2 | Total Year Counts Year 3 | Year Total Counts (start month to end month) Year 3 | Year Total Counts (start month to end month) Year 4 | Percent Change Over Time, Year 1 to Year 3 | Percent Change Over Time, Year 2 to Year 3 | Percent Change Over Time, Year 3 to Year 4 |

[***2.05 Employee on Duty Casualties – Rates***](http://safetydata.fra.dot.gov/OfficeofSafety/publicsite/Query/castally2.aspx)

*Employee on Duty Casualties* displays injury and fatality rates for employees on the job while working with rail equipment. Rates are calculated by: Injury or Fatality Count/200K Employee Hours. Accident counts displayed are for the last three full years plus the fourth partial to full year.

There are seven tables on the output, with all columns labeled essentially the same - column labels varying only by date range and whether “Year” = Calendar Year (CY) or “Year” = Fiscal Year (FY).

SELECTION PARAMETERS: Reporting Level, Railroad, Sort, Casualty Subsets, End Month for Report, Last Year of 3 Year Comparison

Output Tables

* CASUALTIES (DEATHS AND NONFATAL INJURIES AND ILLNESSES), EVENTS (what happened) DISPLAYED IN DESCENDING FREQUENCY
* CASUALTIES (DEATHS AND NONFATAL INJURIES AND ILLNESSES), DISPLAYED IN DESCENDING FREQUENCY

OUTPUT TABLE COLUMNS:

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Total Cases | Percent of All Cases | Total Year Counts Year 1 | Total Year Counts Year 2 | Total Year Counts Year 3 | Year Total Counts (start month to end month) Year 3 | Year Total Counts (start month to end month) Year 4 | Percent Change Over Time, Year 1 to Year 3 | Percent Change Over Time, Year 2 to Year 3 | Percent Change Over Time, Year 3 to Year 4 |

[***2.07 Trespasser Casualties***](http://safetydata.fra.dot.gov/OfficeofSafety/publicsite/Query/castally4.aspx)

*Trespasser Casualties* displays injury and fatality count statistics for railroad trespassers. Trespasser casualty counts displayed are for the last three full years plus the fourth partial to full year. There are five tables on the output, with all columns labeled essentially the same - column labels varying only by date range and whether “Year” = Calendar Year (CY) or “Year” = Fiscal Year (FY). Table classes are by

* state
* railroad
* age
* how the trespasser casualty was caused (event)
* what the employee was doing (physical activity)

SELECTION PARAMETERS: Reporting Level, Railroad, Sort, Region, State, County, Casualty Subsets, Type of Report Requested, Start Month for Report, End Month for Report

Output Tables

* TRESPASSER CASUALTIES (DEATHS AND INJURIES) (BY …) (EXCLUDES HIGHWAY-RAIL INCIDENTS) -- By State
* TRESPASSER CASUALTIES (DEATHS AND INJURIES) (BY …) (EXCLUDES HIGHWAY-RAIL INCIDENTS) -- By Railroad
* TRESPASSER CASUALTIES (DEATHS AND INJURIES) (BY …) (EXCLUDES HIGHWAY-RAIL INCIDENTS) -- By Age
* TRESPASSER CASUALTIES (DEATHS AND INJURIES) (BY …) (EXCLUDES HIGHWAY-RAIL INCIDENTS) -- By Event
* TRESPASSER CASUALTIES (DEATHS AND INJURIES) (BY …) (EXCLUDES HIGHWAY-RAIL INCIDENTS) -- By Physical Activity and Event

OUTPUT TABLE COLUMNS:

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Total Cases | Percent of All Cases | Total Year Counts Year 1 | Total Year Counts Year 2 | Total Year Counts Year 3 | Year Total Counts (start month to end month) Year 3 | Year Total Counts (start month to end month) Year 4 | Percent Change Over Time, Year 1 to Year 3 | Percent Change Over Time, Year 2 to Year 3 | Percent Change Over Time, Year 3 to Year 4 |

[***2.08 Highway-Rail Crossings***](http://safetydata.fra.dot.gov/OfficeofSafety/publicsite/Query/gxrtally1.aspx)

*Highway –Rail Crossings* displays statistics for incidents involving rail equipment at grade crossings (the standard at-grade railroad crossing). Crossing incident counts reported are for the last three full years plus the fourth partial to full year. There are five tables on the output, with all columns labeled essentially the same - column labels varying only by date range and whether “Year” = Calendar Year (CY) or “Year” = Fiscal Year (FY). Table classes are by

* Type of vehicle involved, stuck by train or that stuck the train
* Number of incidents by state
* Number of incidents by railroad
* Number of casualties (fatalities and injuries) by state
* Number of casualties (fatalities and injuries) by railroad

SELECTION PARAMETERS: Reporting Level, Railroad, Sort, Region, State, County, Road Types, Type of Report Requested, Start Month for Report, End Month for Report

Output Tables

* HIGHWAY-RAIL INCIDENTS (BY…) AT PUBLIC AND PRIVATE CROSSINGS -- by vehicle type
* HIGHWAY-RAIL INCIDENTS (BY…) AT PUBLIC AND PRIVATE CROSSINGS -- by state
* HIGHWAY-RAIL INCIDENTS (BY…) AT PUBLIC AND PRIVATE CROSSINGS -- by railroad
* HIGHWAY-RAIL CASUALTIES (BY…) AT PUBLIC AND PRIVATE CROSSINGS -- by state
* HIGHWAY-RAIL CASUALTIES – UP TO FIFTY RAILROADS SHOWN, IN DESCENDING ORDER BY TOTAL CASES

OUTPUT TABLE COLUMNS:

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Total Accidents | Percent of All Accidents | Total Year Counts Year 1 | Total Year Counts Year 2 | Total Year Counts Year 3 | Year Total Counts (start month to end month) Year 3 | Year Total Counts (start month to end month) Year 4 | Percent Change Over Time, Year 1 to Year 3 | Percent Change Over Time, Year 2 to Year 3 | Percent Change Over Time, Year 3 to Year 4 |

[***2.09 Train Accidents and Rates***](http://safetydata.fra.dot.gov/OfficeofSafety/publicsite/Query/TrainAccidentsFYCYWithRates.aspx)

*Train Accidents and Rates* displays statistics for reportable train accidents (damage over the set threshold). There are three tables on the output, with all columns labeled essentially the same. Column labels varying only by date range and whether “Year” = Calendar Year (CY) or “Year” = Fiscal Year (FY).

Accident counts reported are for the last three full years plus the fourth partial to full year, based on whether partial year data is used or not. Table classes are by

* Number of accidents by accident cause
* Number of accidents by state
* Number of accidents by track class (main, siding, etc. )

Tables displayed are:

* ACCIDENTS IN DESCENDING FREQUENCY -- by cause
* ACCIDENTS IN DESCENDING FREQUENCY ---by railroad
* ACCIDENTS IN DESCENDING FREQUENCY ---by state
* ACCIDENTS IN DESCENDING FREQUENCY --- by track class

 SELECTION PARAMETERS: Reporting Level, Railroad, Sort, Region, State, County, Type of Accident, type of Track, Primary Cause of Accident, Track Class, Type of Report Requested, Start Month for Report, End Month for Report

OUTPUT TABLE COLUMNS:

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Total Accidents | Percent of All Accidents | Total Year Counts Year 1 | Total Year Counts Year 2 | Total Year Counts Year 3 | Year Total Counts (start month to end month) Year 3 | Year Total Counts (start month to end month) Year 4 | Percent Change Over Time, Year 1 to Year 3 | Percent Change Over Time, Year 2 to Year 3 | Percent Change Over Time, Year 3 to Year 4 |

[***3.08 Accident Map with Table***](http://safetydata.fra.dot.gov/OfficeofSafety/publicsite/Query/inctmap.aspx)

*Accident Map with Table* displays a map of counties within a state, with accident counts on the county level. There is also an accompanying table of counts, damage totals, count of derailments and other accidents, all by accident cause.

SELECTION PARAMETERS: Reporting Level, Railroad, Sort, State, Type of Track, Start Date, End Date

* MAP - Train Accidents for XX (State) By Data Range
* Accompanying Data TABLE

OUTPUT TABLE COLUMNS:

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Accidents Total Count | Fatality (Kld) Total Count | Injury (Inj) Total Count | Reportable Damage ($$) | Count By Type of Accident (Collisions) | Count By Type of Accident (Derailments) | Count By Type of Accident (Other) | Count by Cause - Equipment | Count by Cause - Human factor | Count by Cause - Other Miscellaneous |
| Count by Cause - Signal | Count by Cause - Track |  |  |  |  |  |  |  |  |

[***3.10 Accident Causes***](http://safetydata.fra.dot.gov/OfficeofSafety/publicsite/Query/inccaus.aspx)

The *Accident Causes* query displays statistics for reportable train accidents (damage over the set threshold), emphasizing accident cause. There are six tables on the output, with all columns labeled essentially the same - column labels varying only by date range and whether “Year” = Calendar Year (CY) or “Year” = Fiscal Year (FY). Accident counts are reported for the last three full years plus the fourth partial to full year, based on whether partial year data is used or not. Table classes are by the major cause categories – equipment, highway -rail (subcategory to miscellaneous), human factor, miscellaneous, signal, and track (see FRA Guide Appendix C).

SELECTION PARAMETERS: Reporting Level, Railroad, Sort, Region, State, County, Type of Accident, Type of Track, Cause of Accident, Start Date, End Date

OUTPUT TABLES:

* TRAIN ACCIDENTS BY CAUSE FROM FORM FRA F 6180.54 - MAJOR CAUSE = Equipment
* TRAIN ACCIDENTS BY CAUSE FROM FORM FRA F 6180.54 - MAJOR CAUSE = Highway - rail
* TRAIN ACCIDENTS BY CAUSE FROM FORM FRA F 6180.54 - MAJOR CAUSE = Human Factor
* TRAIN ACCIDENTS BY CAUSE FROM FORM FRA F 6180.54 - MAJOR CAUSE = Miscellaneous
* TRAIN ACCIDENTS BY CAUSE FROM FORM FRA F 6180.54 - MAJOR CAUSE = Signal
* TRAIN ACCIDENTS BY CAUSE FROM FORM FRA F 6180.54 - MAJOR CAUSE = Track

OUTPUT TABLE COLUMNS:

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Total Count By cause | Percent By Cause | Accident count By Type Accident - Collisions | Accident count By Type Accident - Derailments | Accident count By Type Accident - Other | Reportable Damage Amount ($$) | Reportable Damage Percent (%) | Casualty Count - Fatalities | Casualty Count Injuries (Nonfatal) |  |

[***3.11 Accident Detail Report***](http://safetydata.fra.dot.gov/OfficeofSafety/publicsite/Query/incrpt.aspx)

The Accident Rail Detail Report gives a text format report of the Form 54 – reportable accident. The text description report is embedded with statistics, and displayed date range is only one month at a time. Details of the location, injuries and fatalities, and the circumstances of the accident are displayed.

SELECTION PARAMETERS: Reporting Level, Railroad, Sort, Region, State, County, Type of Accident, Type of Track, Cause of Accident, Hazmat Options, Passenger Train Only, Damages, Report Sort Order, Search Time Frame

FIELDS EMBEDDED INTO REPORT:

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Type of Accident | Date of accident | Railroad | Incident report Number | Latitude | Longitude | Type of Equipment Involved | Time of accident | Locomotive Count | State |
| Track Maintenance Railroad (RR3) | Cars Count | County | Speed | Equipment Damage ($$) | Near / In City | Track Type | Track Damage | Milepost | FRA Railroad Class |
| Total Casualty Count  | Fatality Count | Injury Count | Signalization | Cause(s) | Supplemental codes | Narrative | Report Count total | Accident Count total | Number Locomotives Involved total |
| Number Cars involved total | Fatality totals | Injury totals | Equipment damage total | Track damage total | Number of Cars carrying HAZMAT | Number of Hazmat Cars involved | Number of HAZMAT cars releasing |  |  |

[***3.16 Summary of Train Accidents With Reportable Damage, Casualties, and Major Causes***](http://safetydata.fra.dot.gov/OfficeofSafety/publicsite/Query/TrainAccidentDamage.aspx)

The [*Summary of Train Accidents with Reportable Damage, Casualties, and Major Causes*](http://safetydata.fra.dot.gov/OfficeofSafety/publicsite/Query/TrainAccidentDamage.aspx)displays summary tables of statistics of Form 54 – reportable accidents. Reportable Damage, Casualties and Accident Cause are features emphasized on this report. There are three output tables, covering train accidents by accident type/cause, type of track and train speed, and by railroad. Reports are available by Calendar Year or Fiscal Year.

SELECTION PARAMETERS: Reporting Level, Railroad, Sort, Region, State, County, Type of Accident, Start Date, End Date

OUTPUT TABLE COLUMNS:

TRAIN ACCIDENTS BY ACCIDENT TYPE SOURCE: FORM FRA F 6180.54

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Total Count By Accident type | Reportable Damage by Accident type | Casualties - Fatalities by Accident type | Casualties - Injuries by Accident type | Cause Count by Accident Type - Equipment | Cause Count by Accident Type - Highway rail crossing | Cause Count by Accident Type - Human factor | Cause Count by Accident Type - Miscellaneous / Other | Cause Count by Accident Type - Signal | Cause Count by Accident Type - Track |

TRAIN ACCIDENTS BY TYPE TRACK AND CONSIST SPEED SOURCE: FORM FRA F 6180.54

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Main Track Speed, Range = (XXXX), Total Count | Main Track Speed, Range = (XXXX), Total Percent | Main Track, Range = (XXXX), Type Accident = Collision | Main Track, Range = (XXXX), Type Accident = Derailment | Main Track Speed, Range = (XXXX), Type Accident = Highway Rail Crossing | Main Track, Range = (XXXX), Type Accident = Other Miscellaneous | Main Track, Range = (XXXX), Reportable Damage | Main Track, Range = (XXXX), Casualties (Fatalities) | Main Track, Range = (XXXX), Casualties (Injuries) | Main Track, Range = (XXXX), Causes = Equipment |
| Main Track, Range = (XXXX), Causes = Highway Rail Crossing | Main Track, Range = (XXXX), Causes = Human factor | Main Track, Range = (XXXX), Causes = Other / Miscellaneous | Main Track, Range = (XXXX), Causes = Signal | Main Track, Range = (XXXX), Causes = Track |  |  |  |  |  |

Summary Table --- All Railroads - Originally on Old Query 3.12 (Accident Table By Railroad)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Yard Track Speed, Range = (XXXX), Total Count | Yard Track Speed, Range = (XXXX), Total Percent | Yard Track, Range = (XXXX), Type Accident = Collision | Yard Track, Range = (XXXX), Type Accident = Derailment | Yard Track Speed, Range = (XXXX), Type Accident = Highway Rail Crossing | Yard Track, Range = (XXXX), Type Accident = Other Miscellaneous | Yard Track, Range = (XXXX), Reportable Damage | Yard Track, Range = (XXXX), Casualties (Fatalities) | Yard Track, Range = (XXXX), Casualties (Injuries) | Yard Track, Range = (XXXX), Causes = Equipment |
| Yard Track, Range = (XXXX), Causes = Highway Rail Crossing | Yard Track, Range = (XXXX), Causes = Human factor | Yard Track, Range = (XXXX), Causes = Other / Miscellaneous | Yard Track, Range = (XXXX), Causes = Signal | Yard Track, Range = (XXXX), Causes = Track |  |  |  |  |  |

[***3.17 Type Of Territory Vs. Accident Type and Cause***](http://safetydata.fra.dot.gov/OfficeofSafety/publicsite/Query/TypeTerritoryVSCauseAccType.aspx)

The *Type of Territory Vs Accident Type and Cause* displays summary tables of statistics of Form 54 – reportable accidents. It covers detailed statistics of the type of track, whether there was safety signals present, and the method of operation (train dispatching technique) involved. Two tables are output: by cause of accident and by accident type. Reports are available by Calendar Year or Fiscal Year.

SELECTION PARAMETERS: Reporting Level, Railroad, Sort, Region, State, County, Type of Track, Cause of Accident, Start Date, End Date

OUTPUT TABLE COLUMNS:

TYPE OF TERRITORY VS. ACCIDENT CAUSE by Type Track, Signalization, and Method of Operation

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Count By Cause of Accident - Equipment | Count By Cause of Accident - Human factor | Count By Cause of Accident - Miscellaneous | Count By Cause of Accident - STC | Count By Cause of Accident - Track | Count By Cause of Accident - Track | Count By Cause of Accident - Total | Type Track - Industry | Type Track - Main | Type Track - Side |
| Type Track - Yard | Type Track - Total | Signalization - Non Signaled | Signalization - Signaled | Method Of Operation - Other than Main | Method Of Operation - Block Register | Method Of Operation - Direct Train Control | Method Of Operation - Yard Restricted | Method Of Operation - Signal Indication |  |

TYPE OF TERRITORY VS. ACCIDENT TYPE by Type Track, Signalization, and Method of Operation

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Count By Cause of Accident - Equipment | Count By Cause of Accident - Human factor | Count By Cause of Accident - Miscellaneous | Count By Cause of Accident - STC | Count By Cause of Accident - Track | Count By Cause of Accident - Track | Count By Cause of Accident - Total | Type Track - Industry | Type Track - Main | Type Track - Side |
| Type Track - Yard | Type Track - Total | Signalization - Non Signaled | Signalization - Signaled | Method Of Operation - Other than Main | Method Of Operation - Block Register | Method Of Operation - Direct Train Control | Method Of Operation - Yard Restricted | Method Of Operation - Signal Indication |  |

[***3.18 Accident By State/Railroad***](http://safetydata.fra.dot.gov/OfficeofSafety/publicsite/Query/AccidentByStateRailroad.aspx)

The *Accident by State/Railroad* report displays summary tables of statistics of Form 54 – reportable accidents. Cause Category is a major feature of this report. Reports are available by Calendar Year or Fiscal Year.

SELECTION PARAMETERS: Reporting Level, Railroad, Sort, Region, State, County, Type of Accident, Type of Track, Track Class, Cause of Accident, Casualty Subset, Hazmat Options, Passenger Trains Only, Damages, Report Sort Order, Type of Report Requested, Start Month for Report, End Month for Report

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Accident Number | Report Number (Form 54 Link) | Killed/Injured ( 55A Report Link) | Month | Day | State | County | Type Of Track | Track Maintenance Railroad | Type accident |
| Primary Cause | Secondary Cause | Equipment Damage | Track Damage | Fatalities | Injuries | Rail Equipment Type | Speed | Number of Locomotives Derailed | Number of Cars Derailed |

[***4.06 Casualty Detail Report***](http://safetydata.fra.dot.gov/OfficeofSafety/publicsite/Query/casrpt.aspx)

The *Casualty Detail Report* is a simple table of casualty data, sourced from Form 55A, including Employees on Duty. There is an active button (click on the incident number) to an HTML detail page giving all of the information on the original Form 55A in an easier to read version that translates all of the codes from the 55A.

SELECTION PARAMETERS: Reporting Level, Railroad, Sort, Region, State, County, Casualty Subset, Accident/Incident subsets, Start Date, End Date, Max Rows of Data

OUTPUT TABLE COLUMNS

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Railroad | State | County | Date | Type (accident) | Jobcode | Incident Number (launches SAS code to display 55a in HTML format) |  |  |  |

[***4.07 Casualty Map With Table***](http://safetydata.fra.dot.gov/OfficeofSafety/publicsite/Query/castmap.aspx)

*Casualty Map with Table* displays a map of counties within a state, with casualty counts on the county level. There is also an accompanying table of counts, damage totals, count of derailments and other accidents, all by accident cause.

SELECTION PARAMETERS: Reporting Level, Railroad, Sort, Region, State, County, Casualty Subset, Accident/Incident subsets, Start Date, End Date

XX =the chosen state, with counts reported by county

OUTPUT TABLE COLUMNS

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| County | Casualties - Fatal (count) | Casualties -NonFatal (count) | Total (count) |  |  |  |  |  |  |

[***4.08 Casualty Summary Table***](http://safetydata.fra.dot.gov/OfficeofSafety/publicsite/Query/castab.aspx)

*Casualty Summary Tables* displays two tables. The first displays fatality and injury counts by type of person (employee, trespasser, etc.) and the second displays casualty counts by type of accident, type of person and age of person.

SELECTION PARAMETERS: Reporting Level, Railroad, Sort, Region, State, County, Start Date, End Date

OUTPUT COLUMNS:

CASUALTIES BY TYPE PERSON AND PRIMARY EVENT FROM FORM FRA F 6180.55A

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Type Person | Total Incidents - fatalities | Total Incidents - injuries | Total Casualties - fatalities | Total Casualties - injuries | Train Accidents w/o Highway Rail Crossing - fatalities | Train Accidents w/o Highway Rail Crossing - injuries | Highway Rail Crossing - fatalities | Highway Rail Crossing - injuries | Other events - fatalities |

TYPE ACCIDENT, TYPE PERSON, AND AGE FROM FROM FRA F 6180.55A

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Type Accident | Type Person | Age (count), Not Reported - fatalities | Age (count), Not Reported - injuries | Age (count), < 16 - fatalities | Age (count), < 16 - injuries | Age (count), 16 to 21 - fatalities | Age (count), 16 to 21 - injuries | Age (count), > 21 - fatalities |  |

[***4.09 Worker Safety Report***](http://safetydata.fra.dot.gov/OfficeofSafety/publicsite/Query/casemp.aspx)

The Worker Safety Report deals with employee injury and fatality statistics. It displays 13 tables total:

* Six tables of Reportable Condition by job category
* Six tables of Events Causing by job category
* One summary table

 The class of each table is by “Condition” describing the injury. Counts are by total, days absent, absent cases, and days restricted.

These 6 tables by reportable condition have basically the same columns:

WORKER SAFETY REPORT - REPORTABLE CONDITIONS Type of Job: Executives Officials and Staff Assistants -- By Condition

WORKER SAFETY REPORT - REPORTABLE CONDITIONS Type of Job: Professional and Administrative -- By Condition

WORKER SAFETY REPORT - REPORTABLE CONDITIONS Type of Job: Maintenance of Way and Structures -- By Condition

WORKER SAFETY REPORT - REPORTABLE CONDITIONS Type of Job: Maintenance of Equipment and Stores -- By Condition

WORKER SAFETY REPORT - REPORTABLE CONDITIONS Type of Job: Transportation, Other Than Train and Engine -- By Condition

WORKER SAFETY REPORT - REPORTABLE CONDITIONS Type of Job: Transportation, train and engine -- By Condition

SELECTION PARAMETERS: Reporting Level, Railroad, Sort, Region, State, County, Casualty Subsets, Type of Worker, Start Date, End Date

OUTPUT COLUMNS

By Reportable Condition:

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Condition | Total Count | Total Percent | Days Absent - Count | Days Absent - Percent | Days Absent - Average | Absent Cases Count | Absent Cases Percent | Days Restricted Count | Days Restricted Percent |
| Days restricted Average |  |  |  |  |  |  |  |  |  |

By Event Causing:

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Condition | Total Count | Total Percent | Days Absent - Count | Days Absent - Percent | Days Absent - Average | Absent Cases Count | Absent Cases Percent | Days Restricted Count | Days Restricted Percent |
| Days restricted Average |  |  |  |  |  |  |  |  |  |

Summary Table:

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Employee Type | Number Fatalities | Number Injured | Days Absent - Count | Days Restricted – count Count |  |  |  |  |  |

[***4.11 Suicide Casualties By State/Railroad***](http://safetydata.fra.dot.gov/OfficeofSafety/publicsite/Query/suiabbr.aspx)

*Suicide Casualties by State/Railroad* gives counts of suicides. The earliest available data starts in June 2011. Each year is displayed in a separate table, with counts of fatalities and injuries by month.

SELECTION PARAMETERS: State, Railroad, Start Year, End Year

OUTPUT COLUMNS

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Month | Fatalities (count) | Injuries (count) |  |  |  |  |  |  |  |

[***4.12 Casualties By State/Railroad***](http://safetydata.fra.dot.gov/OfficeofSafety/publicsite/Query/CasualitiesReport.aspx)

*Casualties by State / Railroad* is a detail level table of major casualty measures. There is an active link to the original 55A form reported.

SELECTION PARAMETERS: Reporting Level, Railroad, Sort, Region, State, County, Casualty Subsets, Location, Job Code Categories, Type of Person, Type of Report Requested, Start Month for Report, End Month for Report, Report Sort Order

OUTPUT COLUMNS:

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Observation number | Month | Day | TA=Type Accident/Incident: 1 = Train Accident (form 54), 2 = Highway-rail (from 57), 3 = Other (form 55a) | Killed/Injured - Active LINK to 55A report | Type Person | Job (Jobcode) | Condition (Injury) | Event (Type) | State |
| County | Age | Days Absent | Days Restricted |  |  |  |  |  |  |

[***4.13*** [***Trespasser Incidents by Age, Day of Week, Time of Day***](http://safetydata.fra.dot.gov/officeofsafety/publicsite/Query/TrespasserByAgeDayTime.aspx)](http://safetydata.fra.dot.gov/OfficeofSafety/publicsite/Query/CasualitiesReport.aspx)

This query consists of seven Trespasser – related tables.

Parameters: Reporting Level, Railroad, Sort By, State, County, Start Date, End Date, Report Name

* Trespasser Incidents of Fatalities and Injuries By Injury Type(condition) and Age Group

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Injury Type | All Ages | Unknown Age | Age 0 -12 | Age 13 - 19 | Age 20-29 | Age 30 -39 | Age 40-59 | Age 60 + |

* Trespasser Fatalities By Railroad and Age Group

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Railroad | Count | % (percentage of total) | Unknown Age | Age 0 -12 | Age 13 - 19 | Age 20-29 | Age 30 -39 | Age 40-59 | Age 60 + |

* Trespasser Injuries By Railroad and Age Group

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Railroad | Count | % (percentage of total) | Unknown Age | Age 0 -12 | Age 13 - 19 | Age 20-29 | Age 30 -39 | Age 40-59 | Age 60 + |

* Trespasser Fatalities and Injuries By State and Age Group

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Fatal Cases | State | Unknown Age | Age 0 -12 | Age 13 - 19 | Age 20-29 | Age 30 -39 | Age 40-59 | Age 60 + | Total Killed Cnt | Total Killed % |
| NonFatal Cases | State | Unknown Age | Age 0 -12 | Age 13 - 19 | Age 20-29 | Age 30 -39 | Age 40-59 | Age 60 + | Total Injured Cnt | Total Injured % |

* Trespasser Fatalities and Injuries By Month and Day of Week

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Condition Fatality | Month | Count (total) | % | Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
| Condition Injury | Month | Count (total) | % | Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |

* Trespasser Fatalities and Injuries By Time and Day of Week

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| AM/PM | Time | Count (total) | % | Sunday Fatalities | Sunday Injuries | Monday Fatalities | Monday Injuries | Tuesday Fatalities | Tuesday Injuries |
| Wednesday Fatalities | Wednesday Injuries | Thursday Fatalities | Thursday Injuries | FridayFatalities | FridayInjuries | SaturdayFatalities | Saturday Injuries | Sunday Fatalities | SundayInjuries |

* Trespasser Fatalities and Injuries By Event and Location of Event

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Event | Location | Count (total) | % | Fatalities | Fatalities % | Injuries | Injuries % | Unknown Age |
| Age 0 -12 | Age 13 - 19 | Age 20-29 | Age 30 -39 | Age 40-59 | Age 60 + |

[***5.08 Frequency of Crossing Collisions***](http://safetydata.fra.dot.gov/OfficeofSafety/publicsite/Query/gxrtop50.aspx)

*Frequency of Crossing Collisions* describes the top 25 most dangerous crossings taken from the Form 57 Crossing Incident reports, in two different tables:

* Crossings with the most fatal incidents
* Crossings with the most incidents, fatal or nonfatal

SELECTION PARAMETERS: Reporting Level, Railroad, Sort, Region, State, County, Start Date, End Date, Number of Crossings per Ranking List

OUTPUT COLUMNS:

CROSSINGS THAT HAVE HAD THE ***MOST FATAL INCIDENTS***, UP TO 25 CROSSINGS LISTED SORTED BY ***MOST FATAL INCIDENTS***, MOST FATALITES, MOST INJURY INCIDENTS, MOST INJURIES

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Observation number | Grade Crossing ID | State | County / City | Total Incidents | Fatal Incidents | Total Fatalities (Deaths) | Injury Incidents | Total injuries |  |

CROSSINGS THAT HAVE HAD THE ***MOST INCIDENTS***, UP TO 25 CROSSINGS LISTED SORTED BY ***MOST FATAL INCIDENTS***, MOST FATALITES, MOST INJURY INCIDENTS, MOST INJURIES

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Observation number | Grade Crossing ID | State | County / City | Total Incidents | Fatal Incidents | Total Fatalities (Deaths) | Injury Incidents | Total injuries |  |

[***5.09 Hwy/Rail Detail Report***](http://safetydata.fra.dot.gov/OfficeofSafety/publicsite/Query/gxrrpt.aspx)

The *Hwy/Rail Detail Report* gives a text description of the Form 57 –Crossing Incident The text description report is embedded with statistics, and displayed date range is only one month at a time. Details of the type of crossing, warning devices, injuries and fatalities, and the circumstances of the Highway – Rail accident are displayed.

SELECTION PARAMETERS: Reporting Level, Railroad, Sort, Region, State, County, Type of Crossing, Accident Types, Start Date, End Date

OUTPUT, EMBEDDED WITHIN TEXT:

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Number of reports | Number of accidents | Total Number of locomotives in all consists | Total Number of cars in all consists | Total Number of fatalities (deaths) | Total Number of Injuries | Accident Number XX of XX | Reporting Railroad Incident Number | Crossing ID number | Day |
| Month | Year | Type equipment | Reporting Railroad | Vehicle type | Time (Hour) | Time (minutes) | Time (AM/PM) | State | County |
| Highway | In/Near city | speed | Number locomotives in consist | Number of cars in consist | vehicle direction | vehicle speed | type track | type crossing | weather |
| Visibility | air temperature | number of fatalities  | number of injuries | driver age | event | number of vehicle occupants | view obstructed flag | railroad transporting Hazmat flag | vehichle transporting Hazmat flag |
| Crossing Warning flag 1 | Crossing Warning flag 2 | Crossing Warning flag 3 | Narrative |  |  |  |  |  |  |

[***5.10 Hwy/Rail Map with Table***](http://safetydata.fra.dot.gov/OfficeofSafety/publicsite/Query/gxrtmap.aspx)

*Highway – Rail Map with Table* displays a map of counties within a state, with highway – rail incidents counts on the county level. There is also a table of crossing incidents counts by county.

SELECTION PARAMETERS: Reporting Level, Railroad, Sort, State, Start Date, End Date

* Map
* Data Table

OUTPUT:

*HIGHWAY-RAIL INCIDENTS FOR (state = XXXX)*

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| County | Totals Count | Totals - fatalities | Totals - injuries | At Public Crossing, Motor Vehicle - total Count | At Public Crossing, Motor Vehicle - fatalities | At Public Crossing, Motor Vehicle - injuries | At Public Crossing, Other - total Count | At Public Crossing, Other - fatalities | At Public Crossing, Other - injuries |
| At Private Crossing, Motor Vehicle - total Count | At Private Crossing, Motor Vehicle - fatalities | At Private Crossing, Motor Vehicle - injuries | At Private Crossing, Other - total Count | At Private Crossing, Other - fatalities | At Private Crossing, Other - injuries | At Private Crossing, Motor Vehicle - total Count | At Private Crossing, Motor Vehicle - fatalities | At Private Crossing, Motor Vehicle - injuries |  |

[***5.14 Hwy Rail Accident Incident Summary By Railroad***](http://safetydata.fra.dot.gov/OfficeofSafety/publicsite/Query/HwyRailAccidentSummaryByRR.aspx)

*Hwy Rail Accident Incident Summary by Railroad* displays highway – rail incident count, fatality count, and injury count, as well as counts by public and private crossings. Three tables are output. Table class is by:

* type of highway user
* warning device
* railroad

SELECTION PARAMETERS: Reporting Level, Railroad, Sort, State, County, Start Date, End Date

OUTPUT COLUMNS

*HIGHWAY-RAIL INCIDENTS BY TYPE HIGHWAY USER -- FRA FORM 57*

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Type of highway user - train struck highway user: TYPE OF USER | Type of highway user - train struck ***BY*** highway user: TYPE OF USER | type vehicle | Totals Count | Totals - fatalities | Totals - injuries | At Public Crossing, Motor Vehicle - total Count | At Public Crossing, Motor Vehicle - fatalities | At Public Crossing, Motor Vehicle - injuries | At Public Crossing, Other - total Count |
| At Public Crossing, Other - fatalities | At Public Crossing, Other - injuries | At Private Crossing, Motor Vehicle - total Count | At Private Crossing, Motor Vehicle - fatalities | At Private Crossing, Motor Vehicle - injuries | At Private Crossing, Other - total Count | At Private Crossing, Other - fatalities | At Private Crossing, Other - injuries |  |  |

*HIGHWAY-RAIL INCIDENTS BY WARNING DEVICE -- FRA FORM 57*

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Type of highway user - train struck highway user: TYPE OF USER | Type of highway user - train struck ***BY*** highway user: TYPE OF USER | type vehicle | Totals Count | Totals - fatalities | Totals - injuries | At Public Crossing, Motor Vehicle - total Count | At Public Crossing, Motor Vehicle - fatalities | At Public Crossing, Motor Vehicle - injuries | At Public Crossing, Other - total Count |
| At Public Crossing, Other - fatalities | At Public Crossing, Other - injuries | At Private Crossing, Motor Vehicle - total Count | At Private Crossing, Motor Vehicle - fatalities | At Private Crossing, Motor Vehicle - injuries | At Private Crossing, Other - total Count | At Private Crossing, Other - fatalities | At Private Crossing, Other - injuries |  |  |

*HIGHWAY-RAIL INCIDENTS BY RAILROAD -- FRA FORM 57*

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| RAILROAD | Totals Count | Totals - fatalities | Totals - injuries | At Public Crossing, Motor Vehicle - total Count | At Public Crossing, Motor Vehicle - fatalities | At Public Crossing, Motor Vehicle - injuries | At Public Crossing, Other - total Count | At Public Crossing, Other - fatalities | At Public Crossing, Other - injuries |
| At Private Crossing, Motor Vehicle - total Count | At Private Crossing, Motor Vehicle - fatalities | At Private Crossing, Motor Vehicle - injuries | At Private Crossing, Other - total Count | At Private Crossing, Other - fatalities | At Private Crossing, Other - injuries |  |  |  |  |

[***5.15 Consolidated Hwy -Rail Accident Incident***](http://safetydata.fra.dot.gov/OfficeofSafety/publicsite/Query/ConsolidatedHwyRailIncidents.aspx)

The *Consolidated Hwy-Rail Accident Incident* report is a large detail level data table of highway – rail incidents. Major measures are given. Because for any highway-rail incident multiple reporting forms may be appropriate, there are active links to the original report for 54 (reportable accident), 55A (casualty) and/or 57 (highway-rail incident) form for each highway-rail incident. If there is no report for a particular form type, the message “No records found!” will display.

SELECTION PARAMETERS: Reporting Level, Railroad, Sort, Region, State, County, Type of Crossing, Accident Types, Report Type, Start Month, End Month

OUTPUT COLUMNS

*HIGHWAY-RAIL INCIDENTS BY RAILROAD -- FRA FORM 57*

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Observation number | Railroad | Month / Day | 54 Report Incident Number (active link to original report) | 55A Casualty Report (active link to original report) | State | County | City | Grade Crossing ID (active link to original Grade Crossing form) | Type of Crossing |
| Crossing Highway Name | Type of rail equipment | Train consist length | Highway User type | Crossing Warning / Protection  | Total Fatalities | Total Injuries |  |  |  |

[***8.05 Crossing Inventory By State***](http://safetydata.fra.dot.gov/OfficeofSafety/publicsite/Query/invtab.aspx)

*Crossing Inventory by State* gives total count of all crossings for a given state, broken out by county. Data are also broken out by private crossing and public crossing. It also gives the percentage of crossings each county has by state. A summation is given at the bottom of the table.

SELECTION PARAMETERS: State

*TOTAL AT-GRADE HIGHWAY-RAIL CROSSINGS FOR STATE = XXXX*

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| County | Total Count | Total Percent | Private Vehicle Crossing Accident Count | Private Vehicle Crossing Accident Percent | Public Vehicle Crossing Accident Count | Public Vehicle Crossing Accident Percent |  |

[***8.08 Public Crossing Inventory Detail Report***](http://safetydata.fra.dot.gov/OfficeofSafety/publicsite/Query/invdetl.aspx)

*Public Crossing Inventory Detail Report* gives total count of PUBLIC (not private) crossings. Tables are displayed separately for each county, city and whether the crossing is IN or NEAR a city. The “Primary Operating Railroad” is also given. Data are displayed on detailed street level geography. It also gives the last date that the inventory was updated.

SELECTION PARAMETERS: State, County, Crossing Protection, Public At Grade Crossing

OUTPUT COLUMNS

*Public Crossing Inventory Detail Report: State = , County = , City = IN*

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Crossing ID | Street / Road | Type Warning | Total Tracks | Daily Trains | Average Daily Vehicles | Reporting Railroad | Inventory Updated |  |  |

*Public Crossing Inventory Detail Report: State = , County = , City = NEAR*

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Crossing ID | Street / Road | Type Warning | Total Tracks | Daily Trains | Average Daily Vehicles | Reporting Railroad | Inventory Updated |  |  |

[***8.10 Public Grade Crossing Inventory By State and County***](http://safetydata.fra.dot.gov/OfficeofSafety/publicsite/Query/PublicGradeCrossingInventoryByStateCounty.aspx)

*Public Grade Crossing Inventory by State and County* displays detailed counts of PUBLIC (not private) crossings at differing levels of geography. Three levels of geography are displayed using three different tables:

* In/Near City level
* County level
* Crossing level

SELECTION PARAMETERS: Reporting Level, Railroad, State, County, Public At Grade Crossing

OUTPUT COLUMNS

PUBLIC AT GRADE MOTOR VEHICLE CROSSINGS BY CITY AND PRINCIPAL WARNING DEVICE FOR ….. By City

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| City | Total | Principal Warning device - None | Principal Warning device - Other | Principal Warning device - Cross Bucks | Principal Warning device - Stop Signs | Principal Warning device - Special Warning | Principal Warning device - HWTS, WW, Bells | Principal Warning device - Flashing Lights | Principal Warning device - Gates |
| Principal Warning device - Quiet Zone |  |  |  |  |  |  |  |  |  |

PUBLIC AT GRADE MOTOR VEHICLE CROSSINGS BY CITY AND PRINCIPAL WARNING DEVICE FOR ….. By County

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| City | Total | Principal Warning device - None | Principal Warning device - Other | Principal Warning device - Cross Bucks | Principal Warning device - Stop Signs | Principal Warning device - Special Warning | Principal Warning device - HWTS, WW, Bells | Principal Warning device - Flashing Lights | Principal Warning device - Gates |
| Principal Warning device - Quiet Zone |  |  |  |  |  |  |  |  |  |

PUBLIC AT GRADE MOTOR VEHICLE CROSSINGS BY CITY AND PRINCIPAL WARNING DEVICE FOR ….. By Railroad

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| City | Total | Principal Warning device - None | Principal Warning device - Other | Principal Warning device - Cross Bucks | Principal Warning device - Stop Signs | Principal Warning device - Special Warning | Principal Warning device - HWTS, WW, Bells | Principal Warning device - Flashing Lights | Principal Warning device - Gates |
| Principal Warning device - Quiet Zone |  |  |  |  |  |  |  |  |  |

PUBLIC AT GRADE MOTOR VEHICLE CROSSINGS BY RAILROAD AND PRINCIPAL AND WARNING DEVICES

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| State | County | City | Street | Crossing Number (link to Crossing Inventory form) | Railroad | Principal Warning Device |  |  |  |

DETAIL TABLE OF RAIL CROSSING WARNING DEVICES ON GRADE CROSSING LEVEL BY ALL CROSSINGS

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| State | County | City | Street | Crossing Number (link to Crossing Inventory form) | Railroad | Four Quad Gates | Gates | Cross Bucks | Flashing lights |
| HTWS, WW, Bells | Stop Signs | None (no device) | Quiet Zone |  |  |  |  |  |  |

*Other Notes:*

* Individual Reporting Level – counts displayed are for the chosen railroad code only – no aggregation takes place.
* System reporting Level – Larger railroads (Class 1, Larger Class 2’s mostly) are often made up of a few, or many, smaller railroads. This reporting aggregates all of the railroads in a “system” together.
* Consolidated Level – this is a special case reporting aggregation, allowed only for a few specific railroads who requested special consideration.