

# ISRI Transportation Safety Update



(formerly 'Comprehensive Safety Analysis 2010')

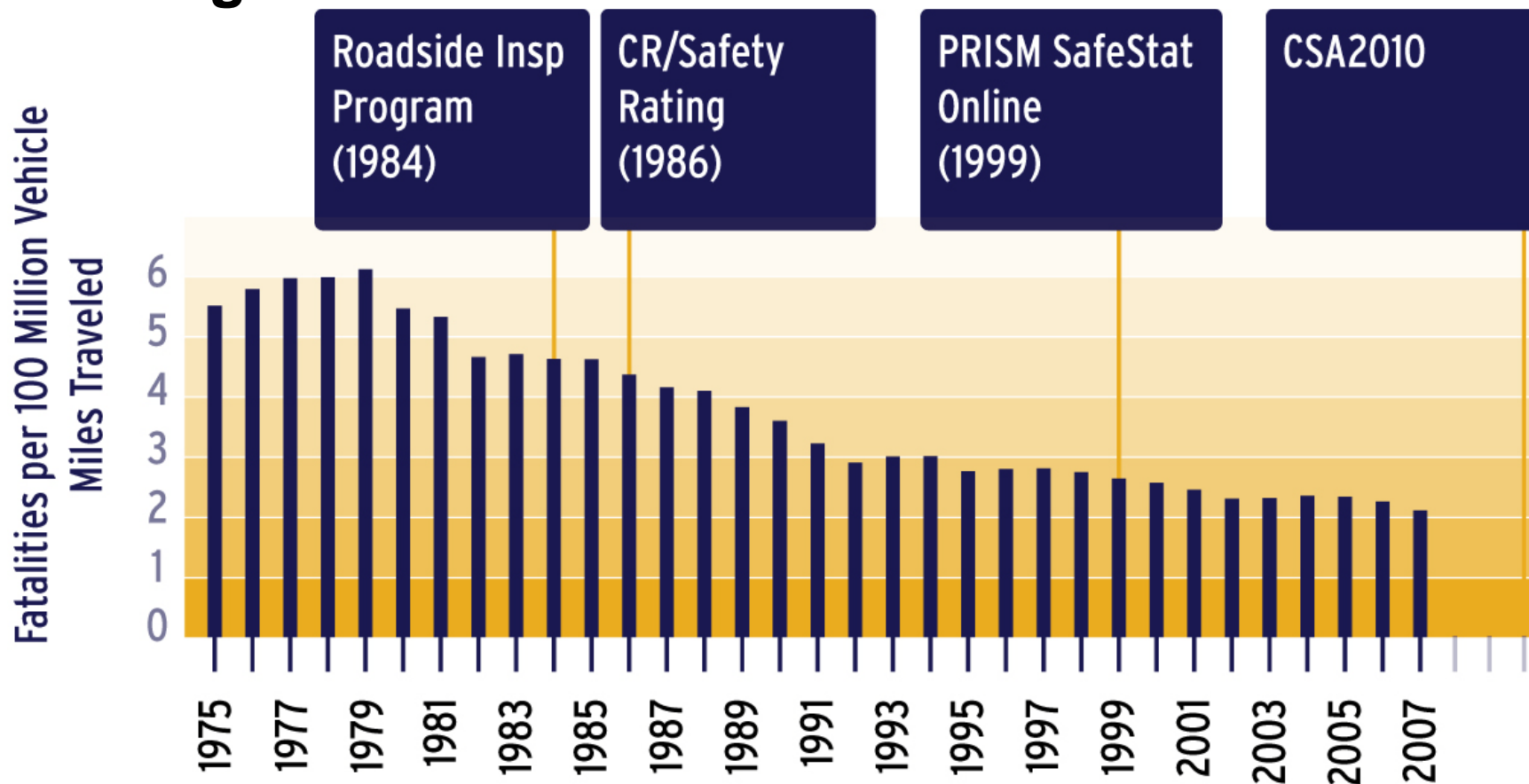
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# Commercial Motor Vehicle Fatalities

Rate of Commercial Motor Vehicle Fatalities is  
Leveling Off



# Safety Events

## Safety Event Data Attributed to Entity

- Carrier Safety Measurement System (CSMS) includes 24 months of carrier on road safety performance
  - ~6.6 Million inspections
  - ~290 K crashes
  - ~690 K carriers
- Driver Safety Measurement System (DSMS) includes 36 months of driver on road performance
  - ~9.6 Million inspection records
  - ~440 K crash records
  - ~3.6 Million drivers



# BASIC Data

## Safety Event Data Sorted by 7 BASIC

- Unsafe Driving (Parts 392 & 397)
- Fatigued Driving (HOS) (Parts 392 & 395)
- Driver Fitness (Parts 383 & 391)
- Controlled Substances /Alcohol (Part 392)
- Vehicle Maintenance (Parts 393 & 396)
- Improper Loading/Cargo Securement (Parts 392, 393, 397 & HM)
- Crash Indicator



# BASIC Measures

## Convert BASIC Data into Quantifiable Measure Considerations

- **Time Weighting / Time Frame** - More recent events are more relevant (heavier time weighting)
- **Severity Weightings** - Increase weighting of violations that have been shown to create a greater risk of crash involvement **NEW: 260 SEV. WEIGHTS CHANGED**
- **Normalizing** - Based on exposure: use of number of inspections and power units **NEW: ADD MILES DRIVEN**
- **Single Inspection Cap** – limit violation weight of single poor inspection



# Rank/Percentile

Based on each BASIC measure, develop rank and percentile indicating entity's BASIC performance

- Provides a relative assessment of performance
- Allows for prioritizing intervention resources by behavior
- Considerations:
  - **Peer Grouping** - compare measures of entities with similar levels of exposure
  - **Data Sufficiency standards** – define events/exposure necessary to generate a robust measure
  - **SFD/Intervention standards** – define “critical mass” of poor performance necessary for inclusion of entity in intervention process or detrimental SFD
  - **Recency of Inspection Data** – assignment of percentile dependent on age and result of most recent inspection (12 months)



# Driver Safety Measurement System (DSMS)

- **Severity of violation is the same as carrier**
- **Time is based on 3 years**
  - 3x for 0 – 12 months
  - 2x for 13 to 24 months
  - 1x for 25 to 36 months
- **Unsafe Driving and Controlled Substances values are converted to percentages and ranked against all drivers having at least one violation**

**Driver rating will stay with the driver if they change to a new fleet or become an Owner/Operator**

# UPDATES: Recent Changes

- **Unsafe Driving & Crash Indicator Basics:**
  - Added vehicle miles driven, not just power units
  - Two segments created – “combo” (trucks & motor coaches), and, “straight” (if they make up 30% of fleet)
- **Controlled Substances/Alcohol Basic:**
  - Measurements will now be based on number of relevant inspections in peer group, rather than total PU’s

# UPDATES: Recent Changes

- **Many Severity Weights have been changed:**
  - **260 severity weights changed in Appendix A**
- **31 New violation codes**
- **88 Violation description changes**
- **335 violation code changes**

# UPDATES: Recent Changes

- **Cargo-Related Basic:**
  - **Size & weight violations removed! (Cool!)**
  - **Violations (tickets) still being written**
  - **Carriers with a history of repeat violations will be targeted!**
  - **FMCSA is still reviewing different strategies for enforcement**

# UPDATES: Recent Changes

- **Cargo Securement violations now weighted 5 points – no longer 1 point!**
- **Speeding violations now tiered (formerly 5 pts for all violations):**
  - **1 pt for 1 to 5 mph over limit;**
  - **4 pts for 6 – 10 mph over limit;**
  - **10 pts for 15 mph and over**
  - **10 pts for ANY speeding in a construction zone**

# Here's what ISRI is doing

- Submitted official comments to DOT on Hours-Of-Service (HOS) proposed rule changes;
- Submitting official comments to DOT on hand held cell phone ban proposal;
- Drafting letter to FMCSA Administrator Ferro:
  - Inconsistent enforcement
  - Unfair inclusion of violations thrown out by courts
  - Leniency in overweight enforcement issues
- Meeting with FMCSA Enforcement Staff to discuss scrap recycling industry concerns

# CSA 2010 Test Findings

## So far, CSA 2010 is:

- **Reaching its goal of contacting more carriers**
  - One objective of CSA 2010 was to conduct more investigations per FTE, per month
  - This goal is being met or exceeded by test state
- **Resulting in strong enforcement; similar to current model**
- **Employing the full array of investigations to achieve efficiency and effectiveness**
  - Investigations in test states have been done in the following proportions
    - Onsite Investigations – Comprehensive (~25%)
    - Onsite Investigations – Focused (~45%)
    - Offsite Investigations (~30%)

# How to get ready for CSA 2010

- **Create and implement a CSA 2010 training program for your drivers and for your management team – use the ISRI 2-Minute Drill video**
  - This applies not only to your drivers but to your maintenance team, dispatch, operations and your leadership team.
- **Make sure that your drivers know that their livelihood depends on a good driver rating**
  - Train, observe, and retrain
  - Remember – 66% of all roadside inspections are triggered by observable defects and speeding.
- **Factors for a good training program**
  - Available 24/7
  - Easy to deploy and access
  - Reporting system that allows for evaluation of compliance
  - Use [www.vigillo.com](http://www.vigillo.com) or similar ‘scorecard’ report system

# New Intervention Tools

**New intervention tools reach more carriers and influence safety compliance earlier**

**Warning Letters (Intervention Letters)**

## **Investigations**

- Offsite Investigations
- Onsite Investigations - Focused
- Onsite Investigations – Comprehensive

## **Follow-on corrective actions**

- Cooperative Safety Plan (CSP)
- Notice of Violation (NOV)
- Notice of Claim (NOC)
- Operations Out-of-Service Order (OOS)

# CSA 2010 Information Sites

- [www.csa2010.com](http://www.csa2010.com)
- [www.fmcsa.dot.gov](http://www.fmcsa.dot.gov)
  - <http://csa2010.fmcsa.dot.gov/Yourrole/motorcarriers.aspx>
- [www.isrisafety.org](http://www.isrisafety.org)

## CSA 2010 is Happening Now

**Your rating is being developed for your fleet and  
your drivers.**

**Become Informed – Train – Produce Results**