#### Federal Motor Carrier Safety Administration Office of Analysis, Research and Technology



FMCSA
Improvements to the Analysis & Information
Online Website

Scott Valentine, FMCSA July 14, 2010

#### Overview

- What is A&I?
- A Brief History of A&I
- Walkthrough of New Features
- Upcoming Changes
- CSA 2010 and A&I
- Questions?

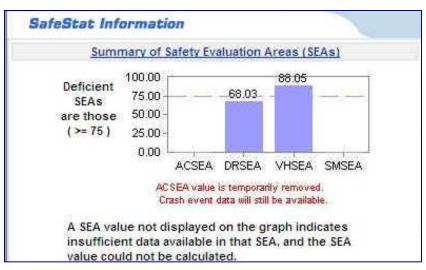
# What is Analysis and Information (A&I) Online?

#### Who uses A&I?

- ◆ Federal and State Enforcement Agencies
- Motor Carriers
- Insurance Companies, Brokers and Shippers
- Public

#### SafeStat Online

- Compare motor carrier safety performance over 30 months.
- Download SafeStat extracts for your own analysis.





#### **Crash Statistics**

- Crash Data: 2005 2010
- National Crash Analysis
- State-level Analysis
- Large Truck Crash
   Causation Study
   (LTCCS)
- Maps

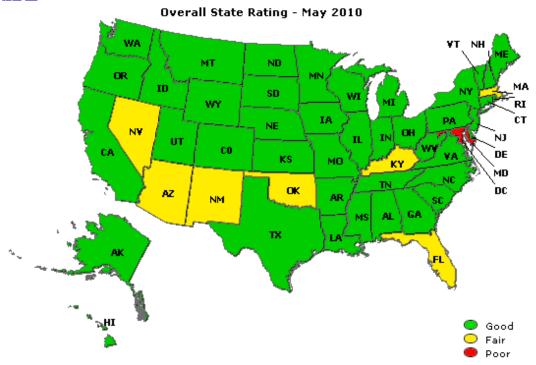


### **Data Quality**

State Safety Data Quality (SSDQ) Map

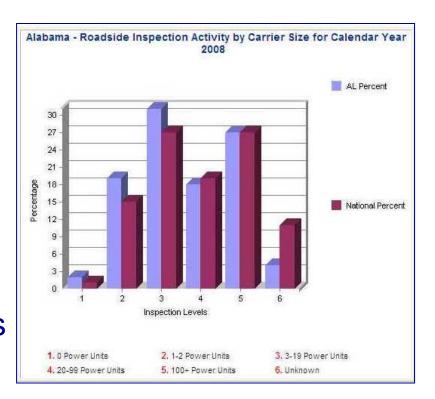
State DQ Reports

FARS/MCMIS Matching Tool



# Safety Programs

- Compliance Reviews
- Roadside Inspections
- Traffic Enforcement
- Program Effectiveness



|                       | rity Summary for Calendar Years <u>Printer Friendly Version</u> |           |           |  |
|-----------------------|---|-----------|-----------|--|
| All inspections       | 2006  | 2007      | 2008      |  |
| Number of Inspections | 3,334,991   | 3,417,000 | 3,479,948 |  |
| Driver OOS Rate*      | 7.07%   | 6,83%     | 6.38%     |  |
| Vehicle OOS Rate**    | 22.88%  | 22.28%    | 22.25%    |  |
| HM OOS Rate***        | 5.25%   | 5.10%     | 4.94%     |  |

#### **Carrier Statistics**

- New Module Passenger Carriers
- Operating Authority Requested/Granted
- Inspections and Violations
- Compliance Reviews and Acute/Critical Violations
- Safety Audits

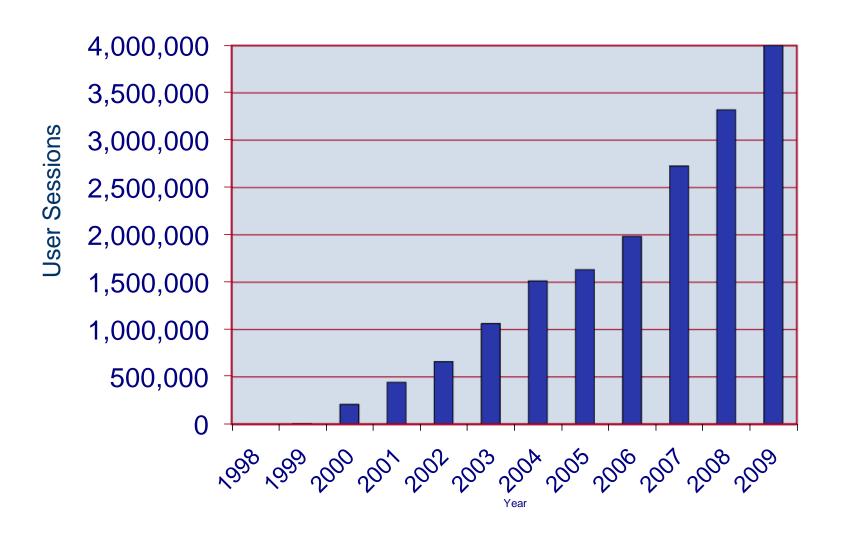
## NAFTA Safety Stats

- Data concerning:
  - Border crossings
  - Safety Data of Carriers by Domiciled Country





### **A&I Growth**



## **A&I** Redesign

- Consistent User Interface
- Expanded Report Filters
- Monthly Updates (where available)
- Faster Implementation of New Requirements
- COMPASS Integration
- Integrated GIS





On January 1, 2000, the U.S. Congress established the Federal Moto Carrier Safety Administration (FMCSA), whose mission is to reduce crashes, injuries, and fatalities involving large trucks and buses. This area of the website provides information on three of the safety programs established by FMCSA to support this mission.

The three programs covered by this area include reviews, roadside inspections of commercial vehicles and drivers, and traffic enforcement stops of CMVs operating in ar unsafe manner. Each program is implemented in conjunction with the states and devoted to improving motor carrier safety by reducing the number and severity of crashes involving large trucks and buses.

#### Summary of Safety Program Activity

Click on any state to view the activity at the state level or the small map of the nation at the upper right for national figures.



A variety of historical and annual reports are available for each of these programs by using the links on the navigation panel to the left.

| A 4: 14 b T 4 b 15              | FY 2009   |          |  |  |
|---------------------------------|-----------|----------|--|--|
| Activity by Type (National)     | Total     | OOS Rate |  |  |
| Reviews                         |           |          |  |  |
| Total Reviews                   | 20,300    |          |  |  |
| Total Security Contact Reviews  | 1,959     |          |  |  |
| Safety Audits                   |           |          |  |  |
| Number of Safety Audits         | 38,307    |          |  |  |
| Roadside Inspections            |           |          |  |  |
| Driver Inspections*             | 3,429,419 | 5,73%    |  |  |
| Vehicle Inspections**           | 2,348,624 | 21.58%   |  |  |
| Hazmat Inspections***           | 222,566   | 4.64%    |  |  |
| Traffic Enforcement Inspections |           |          |  |  |
| Driver Inspections*             | 724,023   | 9.03%    |  |  |
| Vehicle Inspections**           | 394,306   | 28.73%   |  |  |
| Hazmat Inspections***           | 24,064    | 8.26%    |  |  |

<sup>\*</sup> Driver Inspections were computed based on inspections level I, II, III, and VI.

Data Source: FMCSA Motor Carrier Management Information System (MCMIS) data snapshot as of 6/25/2010. The data presented above are accurate as of this

<sup>\*\*</sup> Vehicle Inspections were computed based on inspections level I, II, V, and VI.

<sup>\*\*\*</sup> Hazmat Inspections were computed based on inspections level I, II, III, IV, V, and VI when HM is present.



Reviews

Roadside Inspections

Traffic Enforcement

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#### Summary of Safety Program Activity in Texas

Click on any state to view the activity at the state level or the small map of the nation at the upper right for national figures.



A variety of historical and annual reports are available for each of these programs by using the links on the navigation panel to the left.

|                                 | FY 2009 |          |  |  |
|---------------------------------|---------|----------|--|--|
| Activity by Type (Texas)        | Total   | OOS Rate |  |  |
| Reviews                         |         |          |  |  |
| Total Reviews                   | 1,585   |          |  |  |
| Total Security Contact Reviews  | 100     |          |  |  |
| Safety Audits                   |         |          |  |  |
| Number of Safety Audits         | 2,842   |          |  |  |
| Roadside Inspections            |         |          |  |  |
| Driver Inspections*             | 441,290 | 4.07%    |  |  |
| Vehicle Inspections**           | 414,538 | 21.44%   |  |  |
| Hazmat Inspections***           | 32,319  | 4.99%    |  |  |
| Traffic Enforcement Inspections |         |          |  |  |
| Driver Inspections*             | 14,484  | 8.60%    |  |  |
| Vehicle Inspections**           | 12,404  | 20.10%   |  |  |
| Hazmat Inspections***           | 762     | 6.17%    |  |  |

<sup>\*</sup> Driver Inspections were computed based on inspections level I, II, III, and VI.

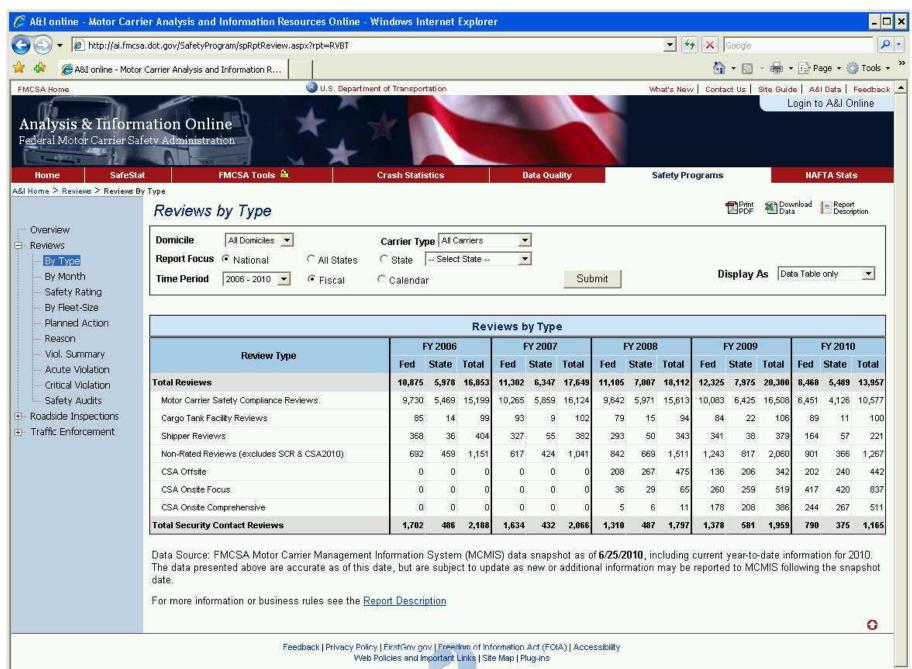
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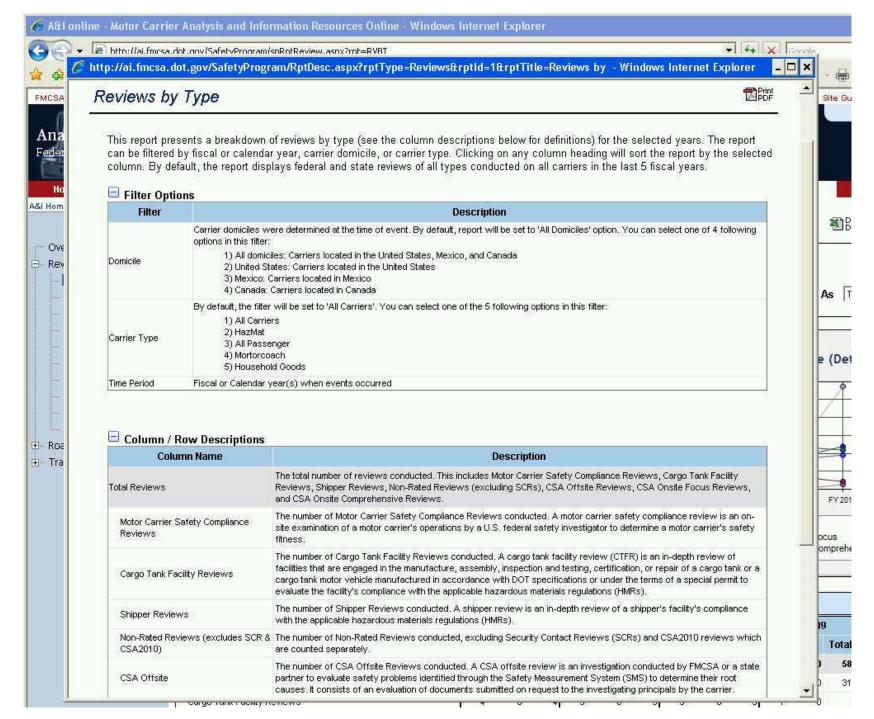
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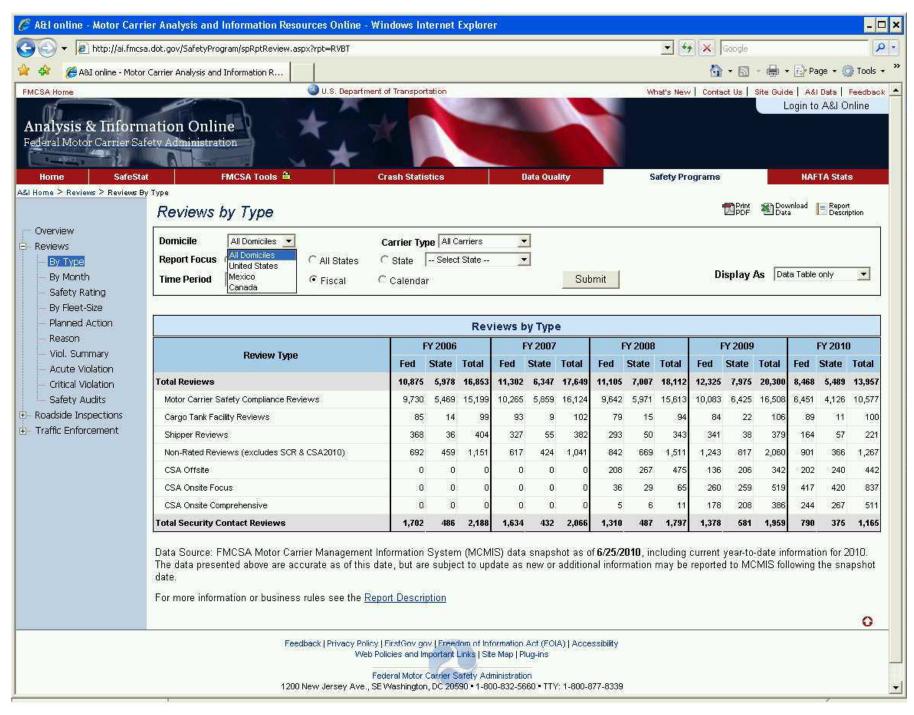
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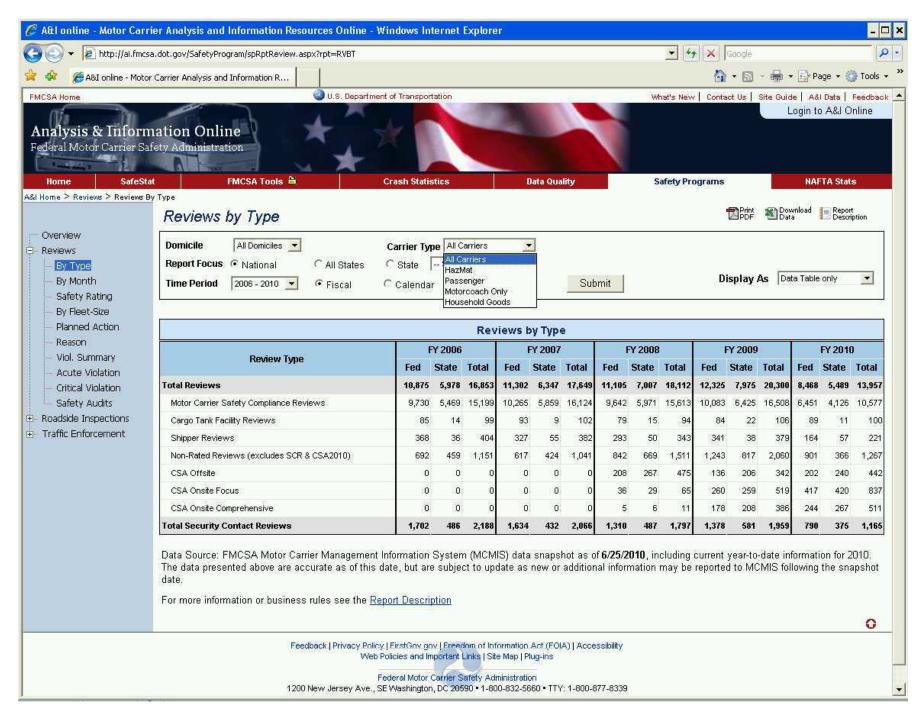


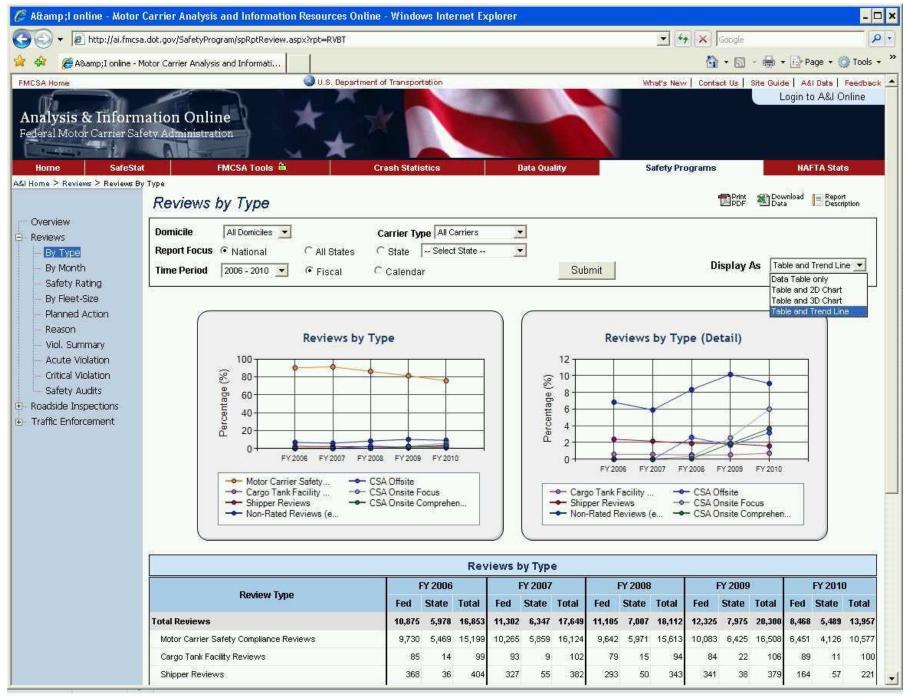
Feedback | Privacy Policy | EirstGov gov | Freedom of Information Act (FOIA) | Accessibility Web Policies and Important Links | Site Map | Plug-ins

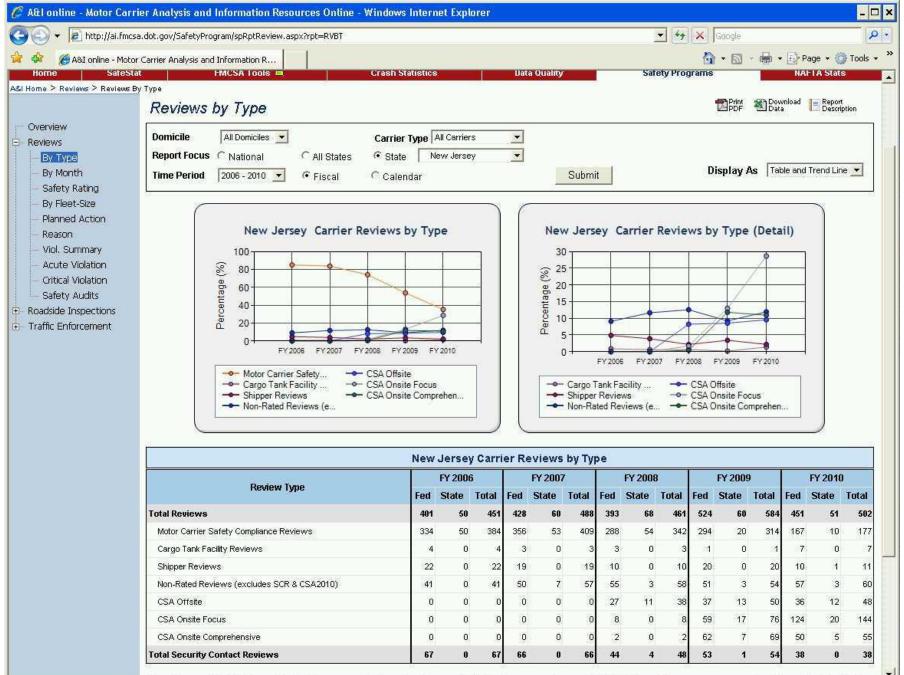




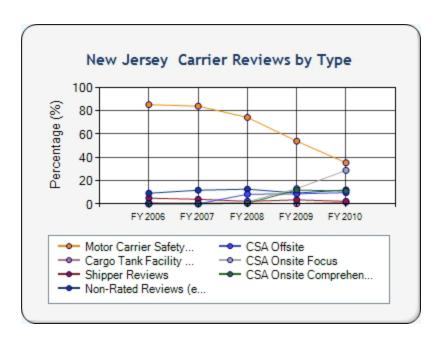








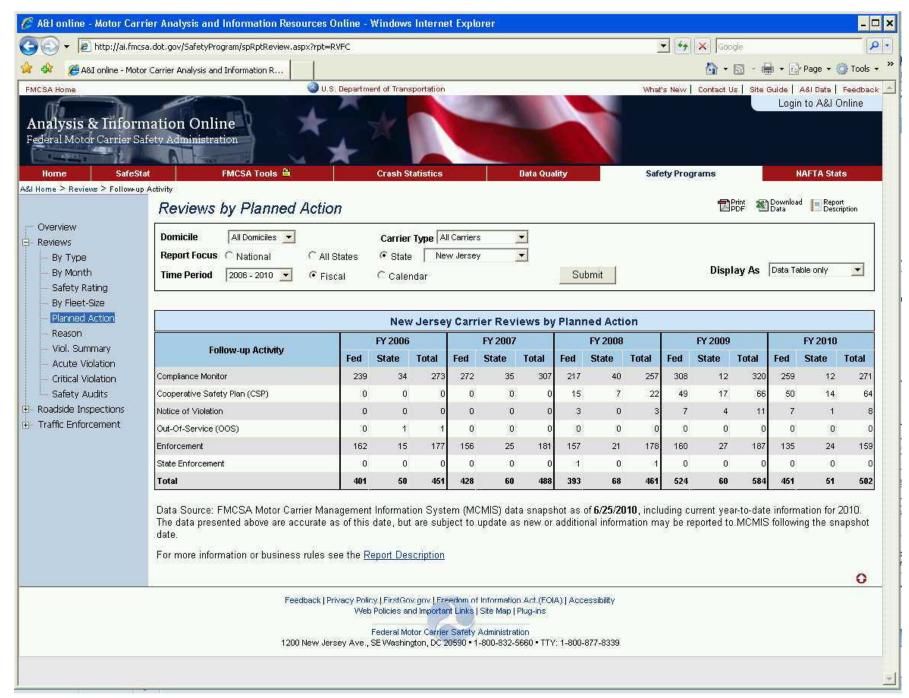
## New Jersey Reviews

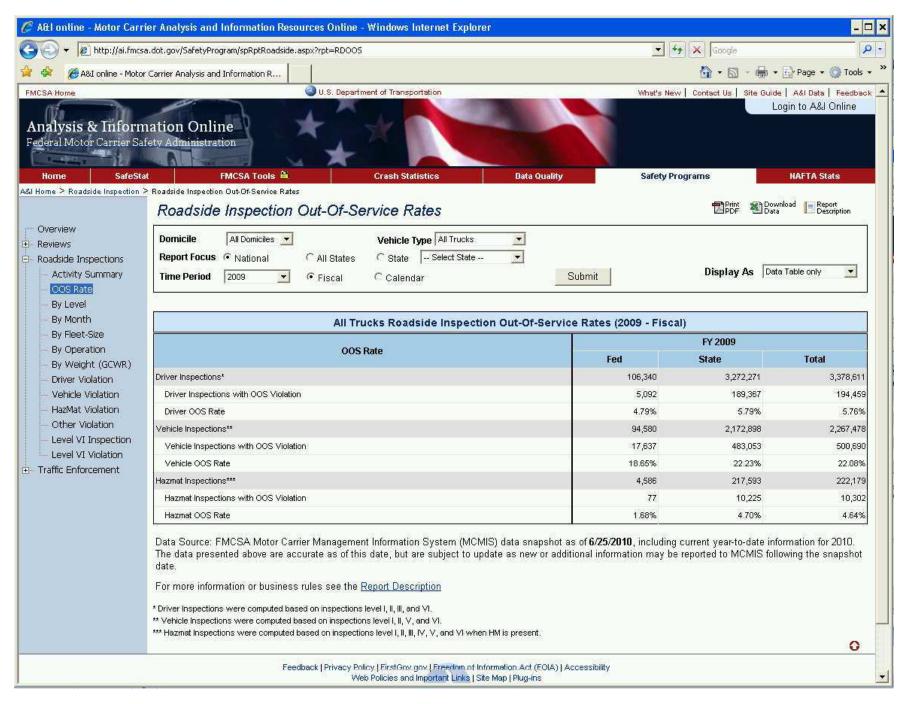


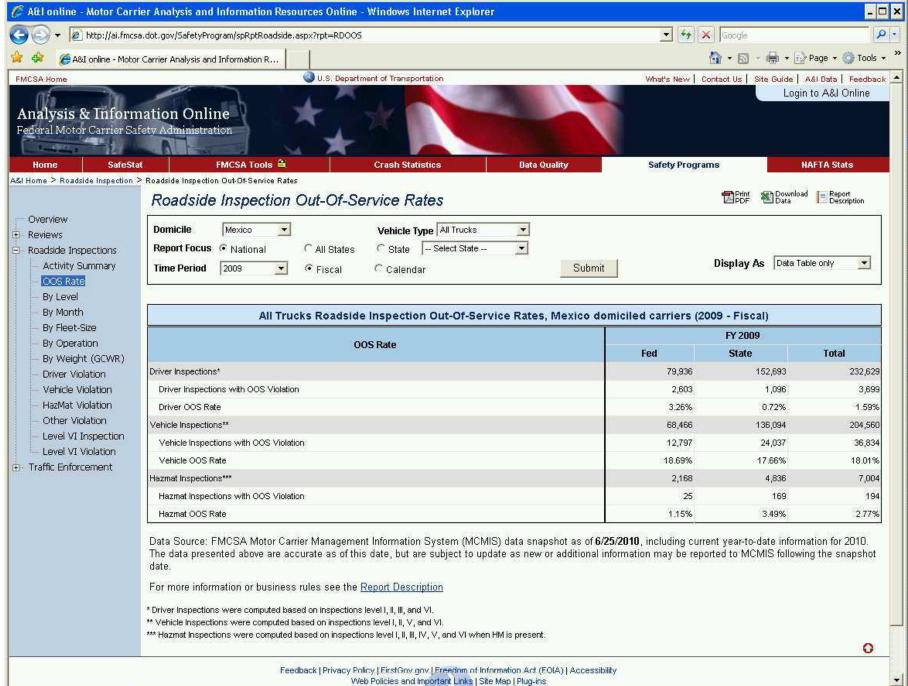
 Substantial increase due to extra CSA-related interventions.

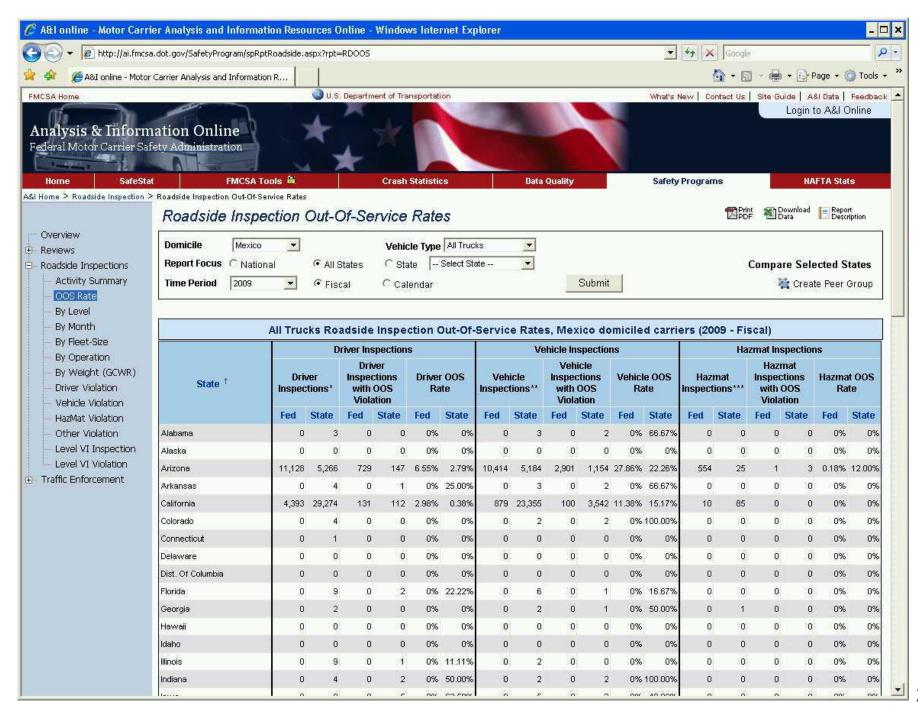
- NJ FMCSA Office:
  - 401 Reviews in FY 2006
  - ~600 Reviews projected in FY 2010



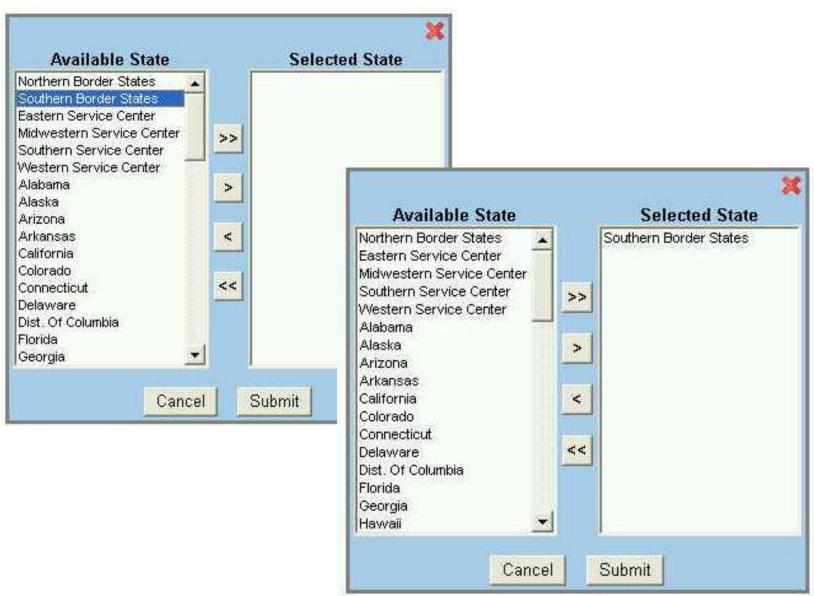


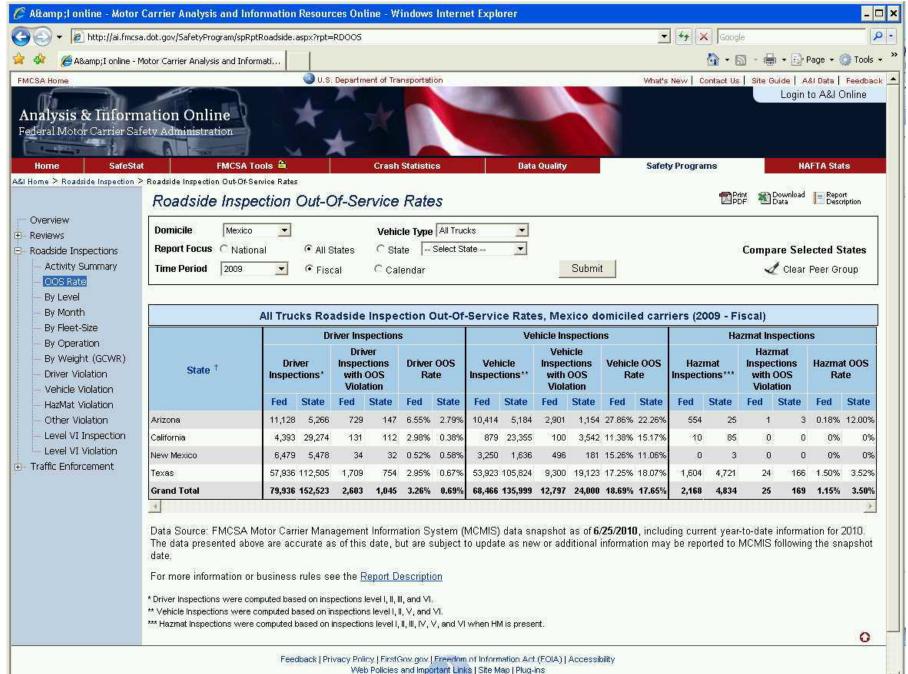


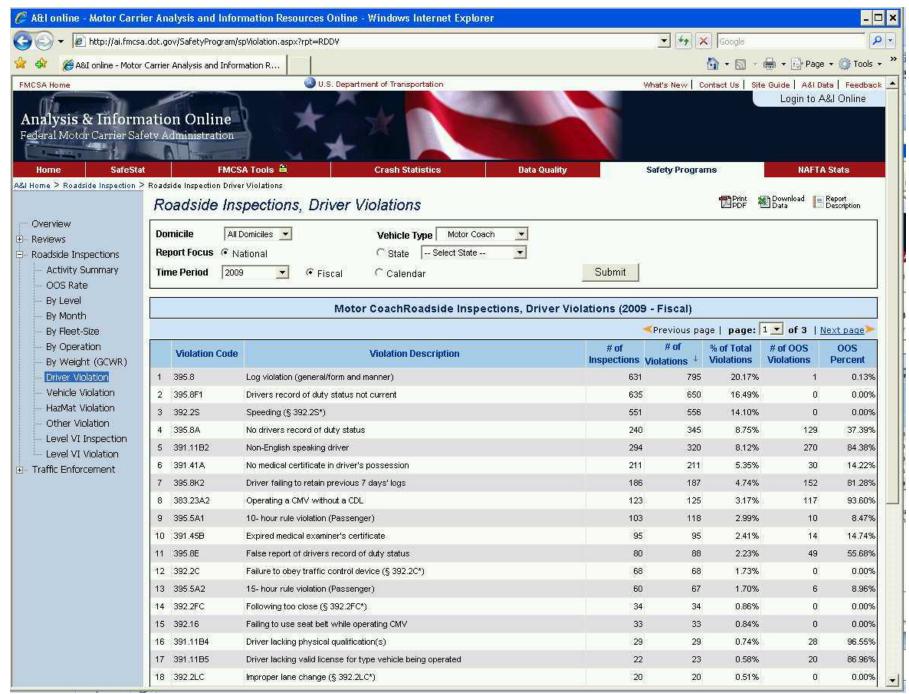


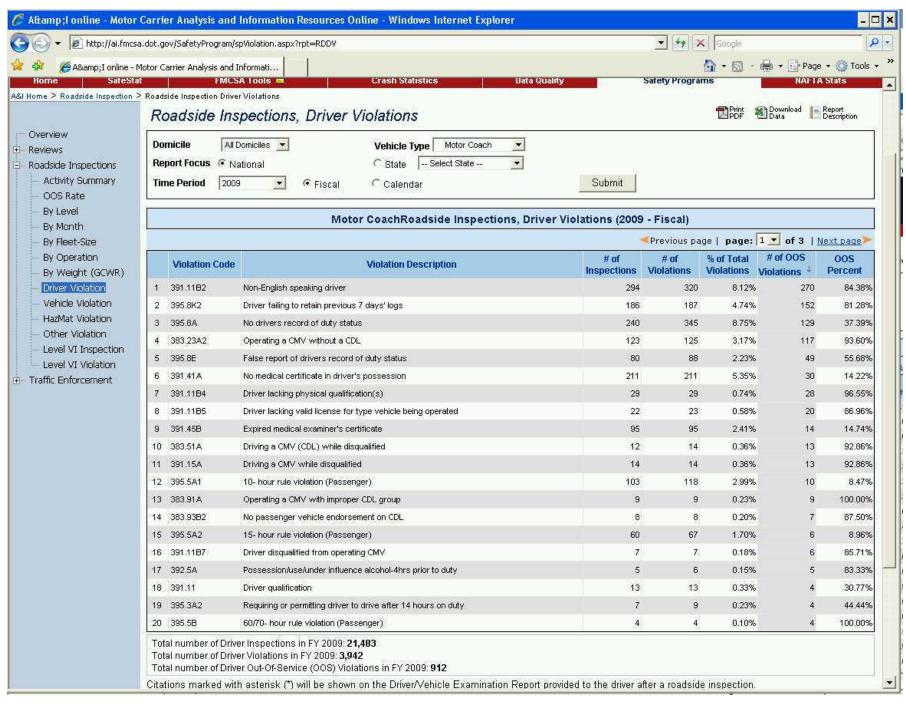


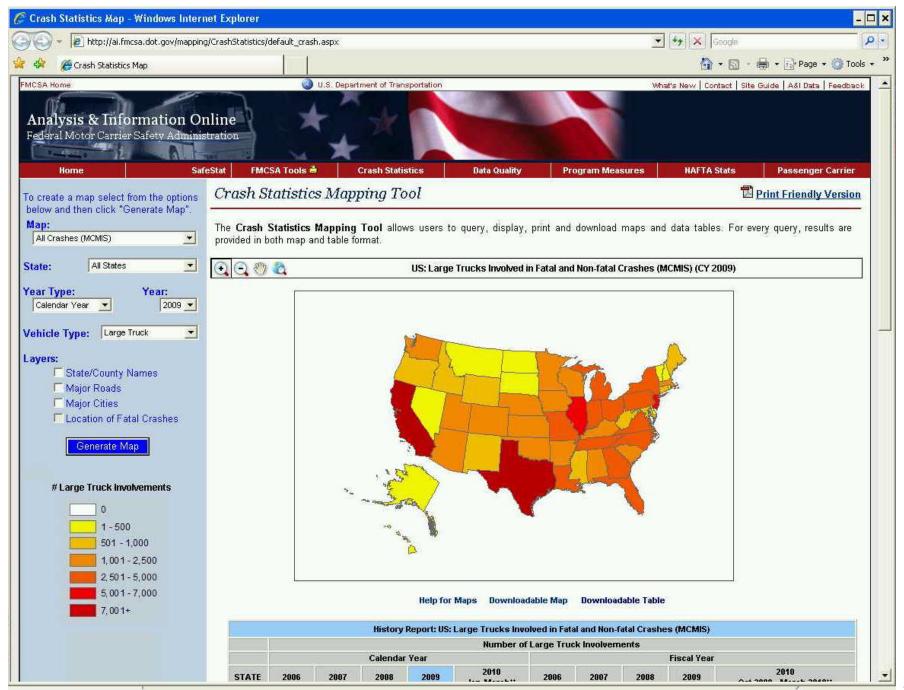
# Selecting a Peer Group





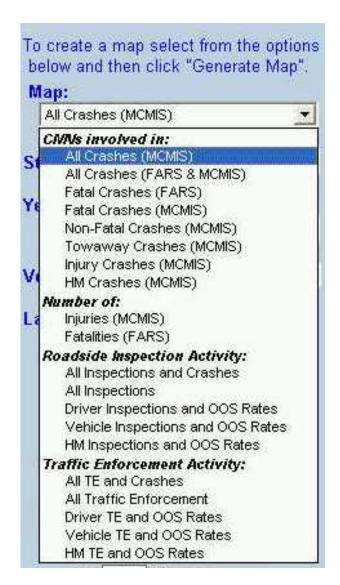






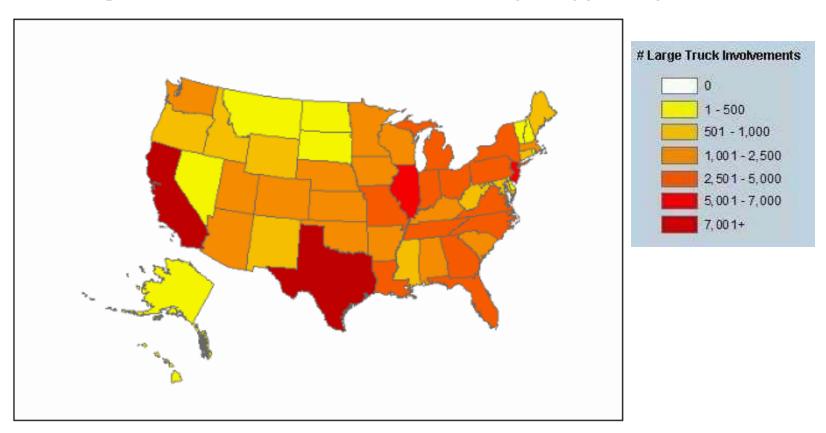
## Map Options





# Map Results

US: Large Trucks Involved in Fatal and Non-fatal Crashes (MCMIS) (CY 2009)

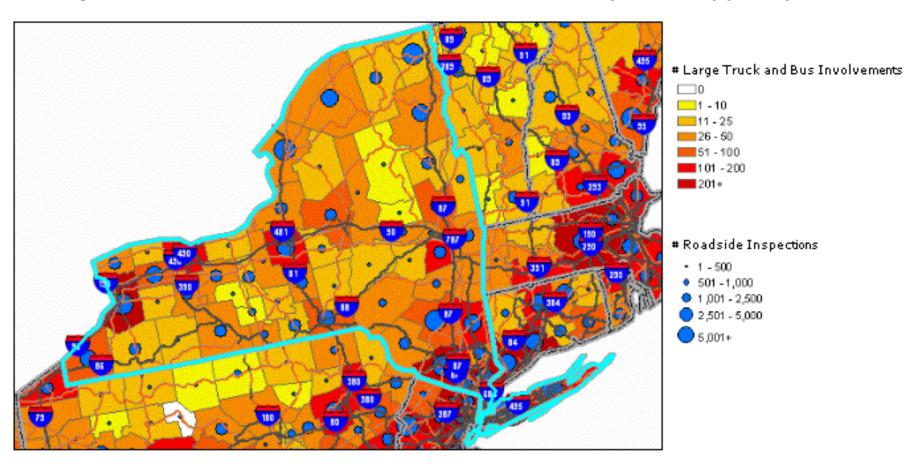


# Map Results – Tables

|       | Number of Large Truck Involvements |        |       |       |                     |        |                          |       |       |                                 |
|-------|------------------------------------|--------|-------|-------|---------------------|--------|--------------------------|-------|-------|---------------------------------|
| STATE | Calendar Year                      |        |       |       | Fiscal Year         |        |                          |       |       |                                 |
|       | 2006                               | 2007   | 2008  | 2009  | 2010<br>Jan-March** | 2006   | 2007                     | 2008  | 2009  | 2010<br>Oct 2009 - March 2010** |
| AK    | 25                                 | 67     | 139   | 79    | 12                  | 24     | 59                       | 107   | 116   | 22                              |
| AL    | 3,348                              | 2,931  | 2,318 | 1,994 | 454                 | 3,607  | 2,918                    | 2,516 | 2,031 | 994                             |
| AR    | 1,985                              | 1,900  | 2,079 | 1,758 | 22                  | 1,948  | 1,947                    | 1,988 | 1,887 | 450                             |
| AZ    | 3,575                              | 3,605  | 2,916 | 1,967 | 240                 | 3,751  | 3,554                    | 3,207 | 2,051 | 747                             |
| CA    | 12,850                             | 11,014 | 8,980 | 7,653 | 988                 | 13,524 | 11,232                   | 9,553 | 7,652 | 3,105                           |
| co    | 2,376                              | 2,381  | 1,815 | 1,489 | 250                 | 2,420  | 2,379                    | 2,023 | 1,465 | 692                             |
| СТ    | 882                                | 1,029  | 859   | 707   | 13                  | 990    | 949                      | 955   | 762   | 155                             |
| DC    | 249                                | 248    | 365   | 2     | Õ                   | 259    | 219                      | 390   | 56    | 2                               |
| DE    | 410                                | 382    | 309   | 278   | 39                  | 395    | 380                      | 343   | 282   | 103                             |
| FL    | 5,855                              | 4,815  | 3,750 | 3,113 | 492                 | 5,342  | 5,360                    | 3,791 | 3,285 | 1,175                           |
| GA    | 7,116                              | 6,315  | 5,240 | 4,083 | 0                   | 7,745  | 6,151                    | 5,605 | 4,559 | 731                             |
| Н     | 124                                | 80     | 79    | 60    | 23                  | 128    | 81                       | 87    | 67    | 34                              |
| IA    | 1,589                              | 1,954  | 2,109 | 1,589 | 511                 | 1,758  | 1,775                    | 2,117 | 1,707 | 999                             |
| ID D  | 795                                | 795    | 777   | 640   | 84                  | 824    | 793                      | 796   | 639   | 287                             |
| IL .  | 6,323                              | 7,028  | 7,147 | 5,198 | 1,135               | 5,984  | 6,968                    | 7,013 | 5,878 | 2,504                           |
| IN    | 4,117                              | 4,660  | 4,749 | 3,591 | 806                 | A EGE  | 4 270                    | 4 605 | 4,035 | 1,715                           |
| KS    | 1,475                              | 1,639  | 1,645 | 1,304 | 146                 | T,STT  | Statistics History Table | 1,440 | 479   |                                 |
| KY    | 2,848                              | 2,864  | 2,651 | 2,462 | 90                  | 2,892  | 2,810                    | 2,769 | 2,476 | 728                             |
| LA    | 3,859                              | 3,782  | 3,529 | 3,162 | 471                 | 4,181  | 3,700                    | 3,606 | 3,305 | 1,282                           |

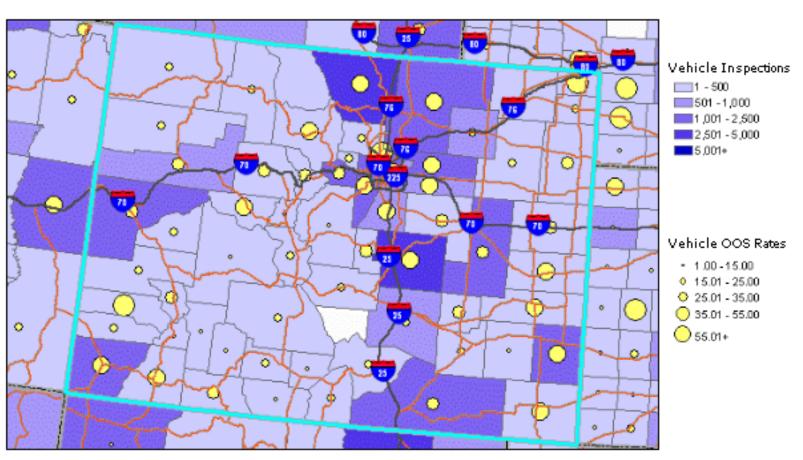
## Inspections and Crashes

NY: Large Trucks and Buses Involved in Fatal and Non-fatal Crashes and Roadside Inspection Activity (CY 2009)



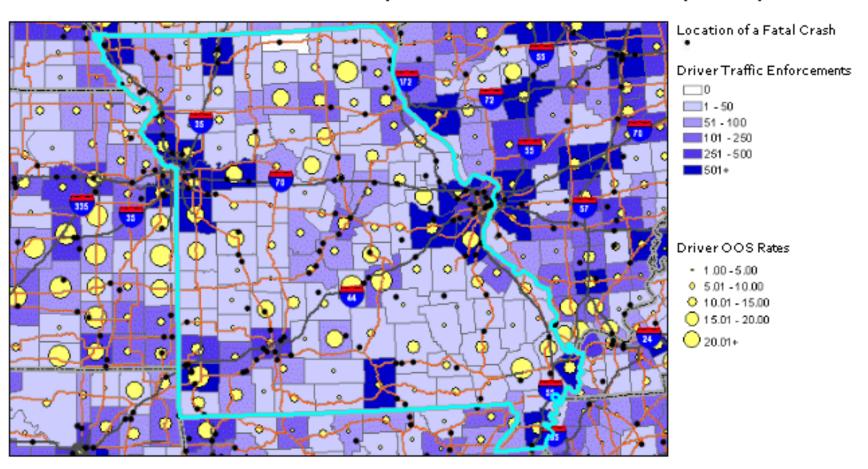
# Vehicle Inspections and Out of Service Rates

CO: Vehicle Roadside Inspection Activity and Vehicle Out-of-Service Rates (CY 2009)



# Traffic Enforcement, Out of Service Rates and Crashes

MO: Driver Traffic Enforcements Activity and Driver Out-of-Service Rates (CY 2007)



#### MCSAP Dashboard



# **Upcoming Changes**

- Updated Content
  - Crash Statistics
  - NAFTA Statistics
- New Content
  - Hazardous Materials Safety Program
  - Safety Measurement System Replaces SafeStat
  - More CSA 2010 Content

# CSA 2010 Data Review http://csa2010.fmcsa.dot.gov

#### LOGIN If you are not an authorized user (FMCSA, State, or Motor Carrier), please visit the CSA 2010 homepage. **Motor Carriers FMCSA & State Partners** Login via the FMCSA Portal Login via the FMCSA Portal U.S. DOT#: USERNAME: CARRIER PIN: PASSWORD: Please enter your U.S. DOT # and Personal Please use your User Authentication System Identification Number (PIN) provided by FMCSA. (UAS) username and password. If you require LOGIN If you do not know your PIN, visit this link this any assistance, please visit FMCSA Technical Support online at http://fmcsa-ts.dot.gov/ or by link and select I want to request a copy of a document' (last selection on page) or call 1telephone at 617-494-3003. 800-832-5660 for assistance. NOTICE:

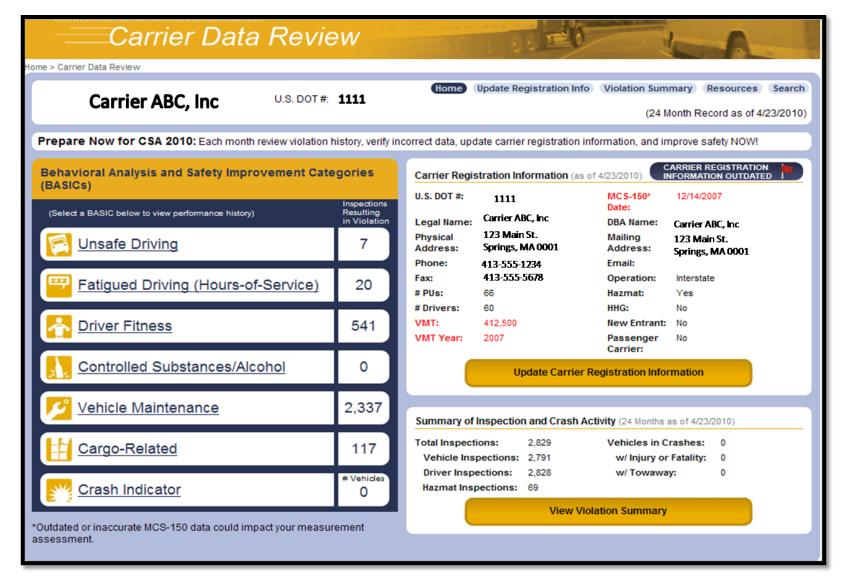
FMCSA is transitioning all login processes to a Single Sign On through FMCSA's new COMPASS Portal. <u>Visit FMCSA to obtain a Portal account</u>. FMCSA and State Enforcement users may login to the CSA 2010 website using the FMCSA Portal or the User Authentication System (UAS). Motor Carrier users may login to the CSA 2010 website via the FMCSA Portal or your U.S. DOT # and (PIN).

#### WARNING:

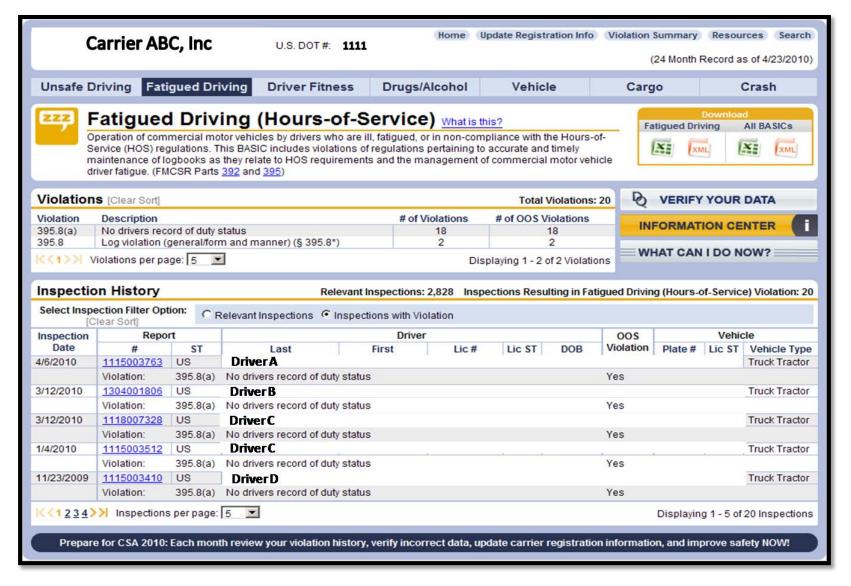
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### CSA 2010 Data Review – BASICs



### CSA 2010 Data Review – Details



# **Contact Information**

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