

A&I ENFORCEMENT PROGRAMS

What are the Roadside Inspections and Traffic Enforcements Visualization Tools?

The A&I Online **Roadside Inspections and Traffic Enforcements Visualization Tools** let you **build customized data displays** to **analyze trends** and **examine specific roadside inspection data**. The tools contain two tabs (Inspections and Violations) and provide customizable data tiles that help you examine roadside inspection and violation data from FMCSA’s Motor Carrier Management Information System (MCMIS).

This guide provides step-by-step instructions for using the tools. For more information about important terms, view the [Enforcement Programs Glossary](#).

How to Use the Roadside Inspections Visualization Tool

View the instructions below to learn how to generate, view, and download customized reports.

MENU BAR

Click the items in the top menu bar of the tool to complete the following actions.

- Undo:** Undo your latest action
- Redo:** Redo your latest action
- Revert:** Remove all selections/filters
- Refresh:** Refresh displayed data
- Pause:** Pause displayed data*
- Download:** Download displayed data

**New filter selections will not update when data is paused.*

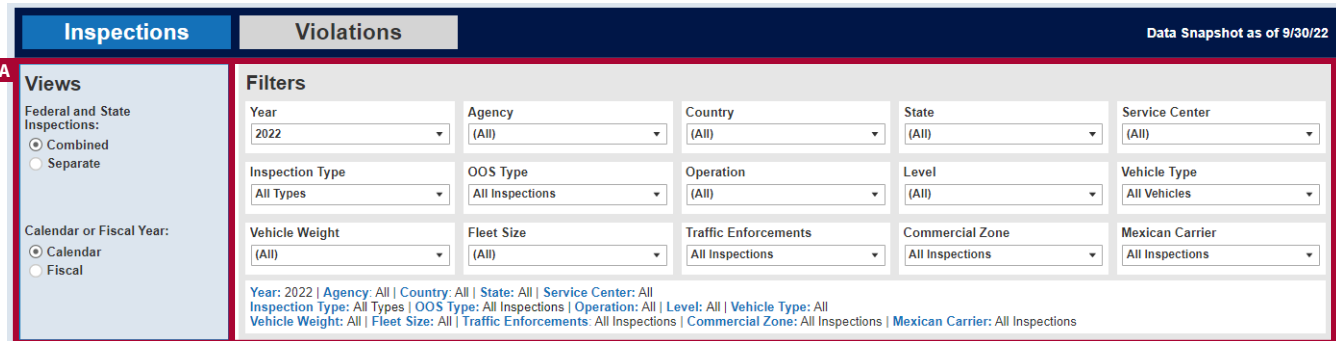


INSPECTIONS TAB

VIEWS AND FILTERS

The Inspections tab contains Federal and State inspections data for the last 5 years.

You can customize your data selections using the “Views” and “Filters” sections at the top of the tool.



A VIEWS: Break out displayed data by inspection type and time frame.

- **Combine or separate** Federal and State inspections data
- Display data by **calendar or fiscal year**

Note: By default, the tool displays combined Federal and State data for the current calendar year. Click the radio buttons to display separate Federal and State data or to switch to a fiscal year view.

B FILTERS: Further refine displayed data. Filter selections for Agency, Inspection Type, OOS Type, Vehicle Type, Traffic Enforcements, Commercial Zone, and Mexican Carrier will automatically update the displayed data. To apply one of these filters, click the **filter box** and select an option from the dropdown menu. For the remaining filter options, click the **filter box**, select an option from the dropdown menu, and click **Apply** to update the displayed data in the tool below.

Filter displayed inspections data by:

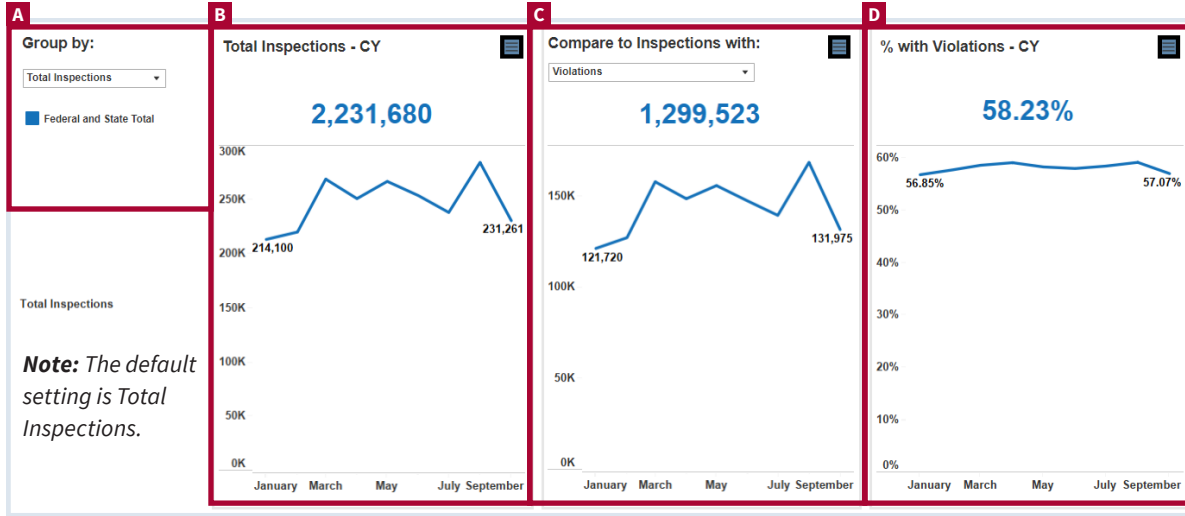
- Year
- OOS Type
- Traffic Enforcements
- Agency
- Operation
- Commercial Zone
- Country
- Level
- Mexican Carrier
- State
- Vehicle Type
- Vehicle Weight
- Inspection Type
- Fleet Size

Note: A summary of all filter selections is displayed below the dropdown menus.



INTERACTIVE DATA TILES

The data selections from the Views and Filters sections are displayed in the interactive tiles. Use these tiles to explore the customized data.



A GROUP BY
Break out displayed data using one of the following categories:

- Total Inspections
- Fleet Size
- Weight (GCWR)
- Vehicle Type
- Level
- Operation

B TOTAL INSPECTIONS
The data for the selection chosen from the “Group by” menu. The default selection is Total Inspections.

- Displayed data is for the time frame selected in the “Year” filter.

C COMPARE TO
This menu allows you to filter by:

- No Violations
- Violations
- OOS Violations
- Driver OOS Violations
- Vehicle OOO Violations
- HazMat OOO Violations
- Moving Violations
- Drug and Alcohol Violations
- Railroad Crossing Violations

D PERCENTAGE OF INSPECTIONS
This tile shows the percentage of inspections with certain characteristics when comparing the data in tile C with the data in tile B.

Note: All displayed data combines or separates Federal and State inspections based on your selection in the Views section. The example above shows combined Federal and State data.

VIOLATIONS TAB

VIEWS AND FILTERS

Inspections
Violations
Data Snapshot as of 9/30/22

A Views

Federal and State Violations:

Combined
 Separate

Calendar or Fiscal Year:

Calendar
 Fiscal

B Filters

Year: 2022	Agency: (All)	Country: (All)	State: (All)	Service Center: (All)
Violation Type: (All)	OOS Type: (All)	Operation: (All)	Level: (All)	Vehicle Type: All Vehicles
Vehicle Weight: (All)	Fleet Size: (All)	Traffic Enforcements: All Inspections	Commercial Zone Violations: All Inspections	Mexican Carrier Violations: All Inspections

Year: 2022 | Agency: All | Country: All | State: All | Service Center: All
Violation Type: All Types | OOS Type: All | Operation: All | Level: All | Vehicle Type: All
Vehicle Weight: All | Fleet Size: All | Traffic Enforcements: All Inspections | Commercial Zone Violations: All Inspections | Mexican Carrier Violations: All Inspections

A VIEWS: Break out displayed data by violation type and time frame.

- **Combine or separate** Federal and State violations data
- Display data by **calendar or fiscal year**

Note: By default, the tool displays combined Federal and State data for the current calendar year. Click the radio buttons to display separate Federal and State data or to switch to a fiscal year view.

B FILTERS: Further refine displayed data. Filter selections for Agency, OOS Type, Vehicle Type, Traffic Enforcements, Commercial Zone Violations, and Mexican Carrier Violations will automatically update the displayed data. To apply one of these filters, click the **filter box** and select an option from the dropdown menu. For the remaining filter options, click the **filter box**, select an option from the dropdown menu, and click **Apply** to update the displayed data in the tool below.

Filter displayed investigations data by:

- Year
- Agency
- Country
- State
- Service Center
- Violation Type
- OOS Type
- Operation
- Level
- Vehicle Type
- Vehicle Weight
- Fleet Size
- Traffic Enforcements
- Commercial Zone Violations
- Mexican Carrier Violations

Note: A summary of all filter selections is displayed below the dropdown menus.

INTERACTIVE DATA TILES

The data selections from the Views and Filters sections are displayed in the interactive tiles. Use these tiles to explore the customized data.

A Group by:

Total Violations

Federal
 State

Total Violations

Note: The default setting is Total Violations.

B Violations Over Time - CY

137,699 3,763,152

C Select Top Number of Violations (based on Group by)

Top 10 Violations

Viol Code	Count
393.9	270,394
392.2RG	160,078
396.17(c)	138,726
393.47(e)	95,384
393.95(a)	91,827
393.9TS	86,168
396.3(a)(1)	81,809
393.75(a)(3)	77,172
392.2	74,778
393.78	61,345
393.9	12,156
396.3(a)(1)	7,128
396.5(b)	7,063
393.47(e)	6,094
393.55(e)	5,933
393.75(c)	4,905
393.53(b)	4,147
393.11	3,513

Note: This tile displays the number of violations based on the option chosen in the dropdown menu.

The data is broken out by the selection made in the "Group by" menu.

A GROUP BY
Display one of the following categories:

- Total violations
- Fleet Size
- Weight (GCWR)
- Vehicle Type
- Level
- Operation

B VIOLATIONS OVER TIME
This tile breaks out data for the selection chosen from the "Group by" menu.





C SELECT TOP NUMBER OF VIOLATIONS
This menu allows you to **display the top 10, top 20, or all violations.**

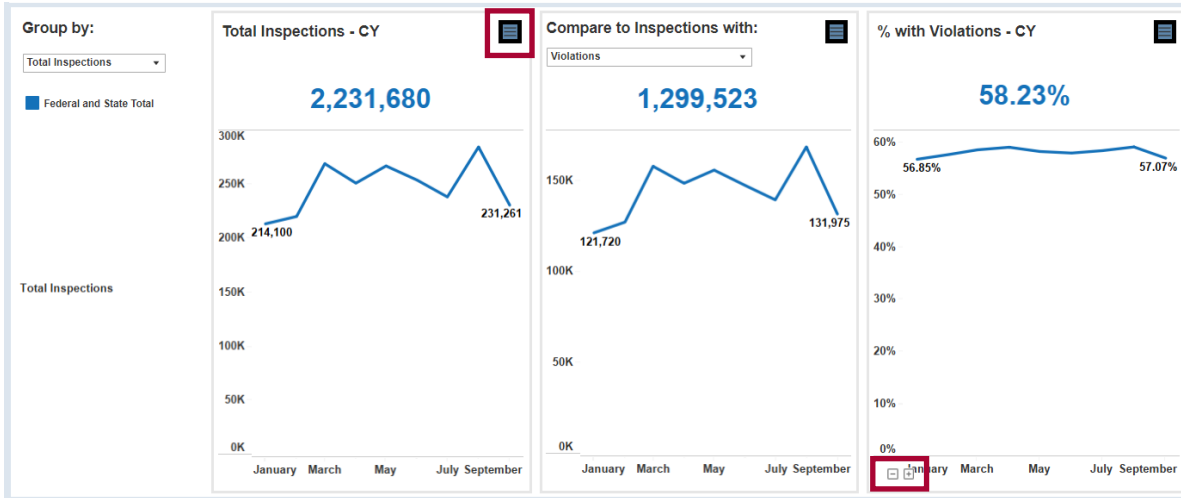
Note: All displayed data combines or separates Federal and State violations based on your selection. (Above: separate Federal and State data.)




ADDITIONAL DETAILS

ACCESS ADDITIONAL DETAILS

Hover over the contents of each data tile for additional details about the displayed data. Click the **expand icon** [] in the top right-hand corner of each tile to view an enlarged version of the data. Click the **X icon** [] to close the expanded view. You can also hover over the contents of each tile for additional details while in this expanded view. If needed, you can hover over the bottom left-hand corner of each tile to zoom in and out [ ].



DOWNLOAD INSPECTIONS/VIOLATIONS DATA

Once you have customized your displayed data, select **Download** [ Download] in the top right-hand corner of the tool. A pop-up with three download options will appear. Select your file format and follow the on-screen prompts to finish downloading your file.

Download ✕

Select your file format.

How to Use the Traffic Enforcements Visualization Tool

The Traffic Enforcements Visualization Tool functions the same way as the Roadside Inspections Visualization Tool to generate, view, and download customized reports. However, the data in this tool is filtered by default in the “Traffic Enforcements” dropdown menu to display “Only Traffic Enforcements” data.

Note: If the dropdown menu selection is changed to a different option, the interactive tiles will refresh to display the new data selection.

Inspections
Violations
Data Snapshot as of 9/30/22

Views

Federal and State Inspections:

Combined

Separate

Calendar or Fiscal Year:

Calendar

Fiscal

Filters

Year: 2022	Agency: (All)	Country: (All)	State: (All)	Service Center: (All)
Inspection Type: All Types	OOS Type: All Inspections	Operation: (All)	Level: (All)	Vehicle Type: All Vehicles
Vehicle Weight: (All)	Fleet Size: (All)	Traffic Enforcements: Only Traffic Enforcements	Commercial Zone: All Inspections	Mexican Carrier: All Inspections

Year: 2022 | Agency: All | Country: All | State: All | Service Center: All | Inspection Type: All Types | OOS Type: All Inspections | Operation: All | Level: All | Vehicle Weight: All | Fleet Size: All | Traffic Enforcements: Only Traffic Enforcements | Commercial Zone: All Inspections | Mexican Carrier: All Inspections