U.S. Department of Transportation

Federal Motor Carrier Safety Administration
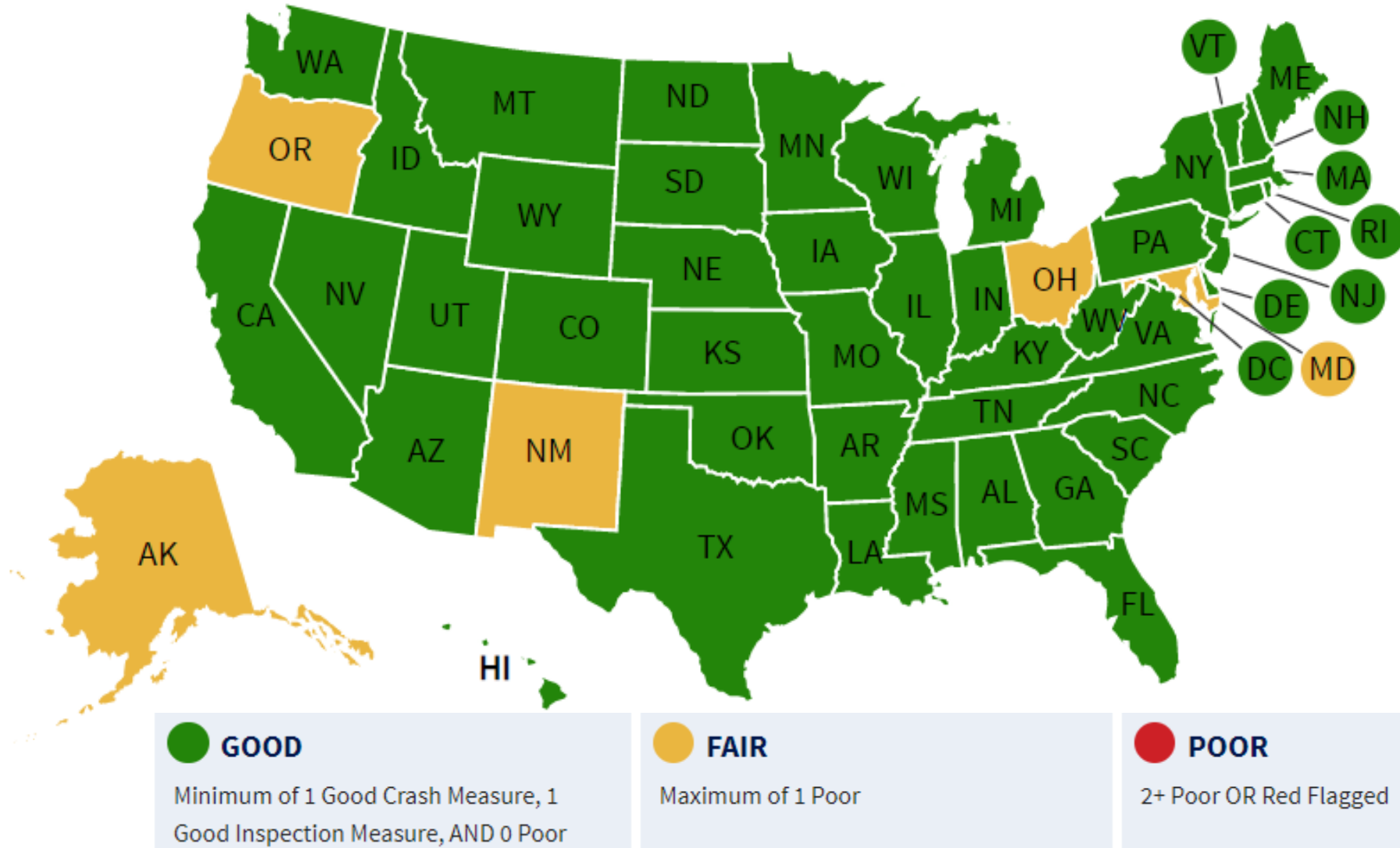
Analysis and Information (A&I) SSDQ Dashboard

2020 Transportation Research Board 99th Annual Meeting
Federal Motor Carrier Safety Administration
Analysis, Research, and Technology Forum
January 14, 2020

Data Quality Program

- Refocused our efforts to improve timely outreach and improve transparency.
- Made changes and additions to the State Safety Data Quality (SSDQ) performance measures.
  - Focus on uploads instead of when events occurred.
  - Earlier identification of issues.
  - New measure for Crash: VIN Accuracy.
  - Reports identify non-conforming records for improvement.
  - Move to Tableau to tell our story.
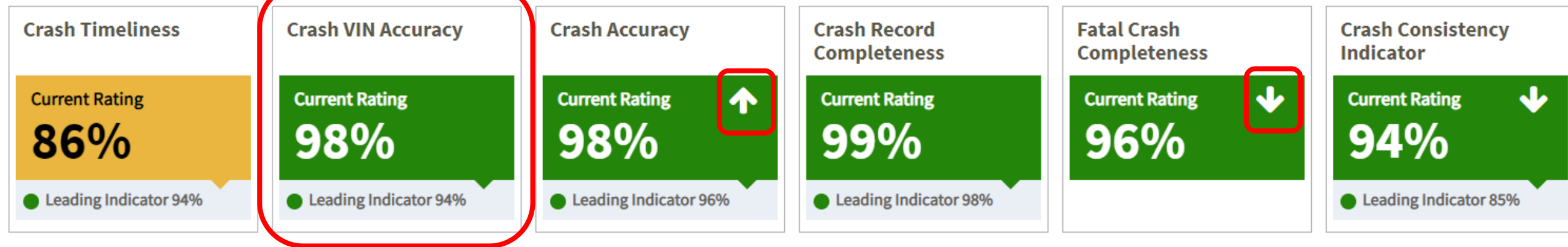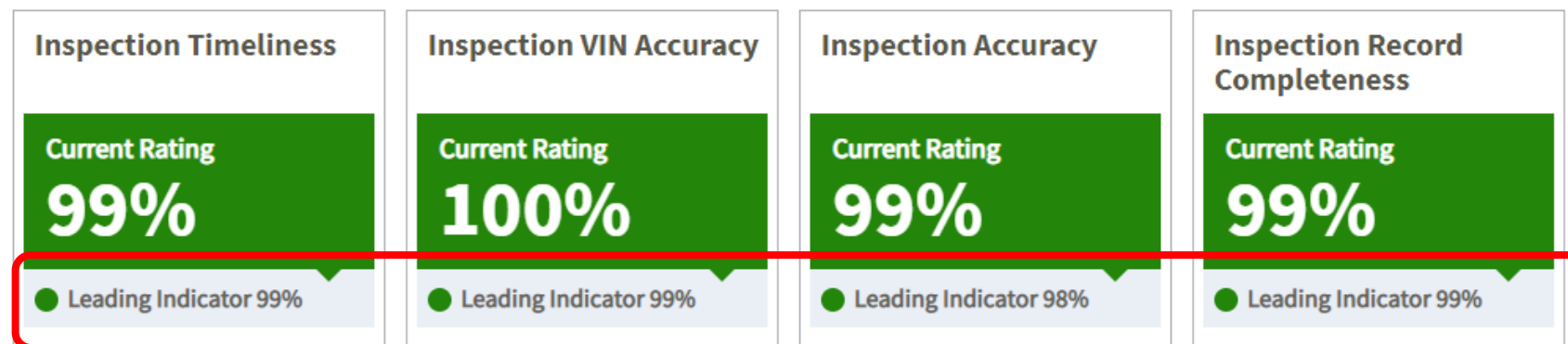
State Safety Data Quality (Dec/Jan Release)

GOOD
Minimum of 1 Good Crash Measure, 1 Good Inspection Measure, AND 0 Poor

FAIR
Maximum of 1 Poor

POOR
2+ Poor OR Red Flagged

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State Overview

SSDQ Measures

Click each measure to learn how you can improve your State's data quality.

CRASH MEASURES

Crash Timeliness	Crash VIN Accuracy	Crash Accuracy	Crash Record Completeness	Fatal Crash Completeness	Crash Consistency Indicator
Current Rating **86%**	Current Rating **98%**	Current Rating **98%** ↑	Current Rating **99%**	Current Rating **96%** ↓	Current Rating **94%** ↓
● Leading Indicator 94%	● Leading Indicator 94%	● Leading Indicator 96%	● Leading Indicator 98%		● Leading Indicator 85%

INSPECTION MEASURES

Inspection Timeliness	Inspection VIN Accuracy	Inspection Accuracy	Inspection Record Completeness
Current Rating **99%**	Current Rating **100%**	Current Rating **99%**	Current Rating **99%**
● Leading Indicator 99%	● Leading Indicator 99%	● Leading Indicator 98%	● Leading Indicator 99%

Dashboards within a Measure

Your rating is GOOD

Current Measure	Good (100-90)	Fair (89-65)	Poor (64-0)
98%			
● Leading Indicator 34%			

98% of your State's evaluated crash records were reported within 90 days of the crash. These crashes were first uploa 09/01/2018 and 08/31/2019. Your rating is good because your percentage is greater than or equal to 90%. Learn how t calculated.

What to do next

Make sure that you understand this measure and your State's rating.

- You can use the dashboard below to view the measure, leading indicator, and dig deeper into the data behind each measure. Select a data point on any of the tables below to learn more about that month's data.
- Hover over the Dashboard Help icon for additional information.

Supplemental Reports

- Prior Methodology Results
- Records to Research
- Evaluation by Upload Month
- Frequency of Record Uploads to MCMIS

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Visualization Dashboards

Crash Timeliness Dashboard

Crash Timeliness: Measure and Lead

Monthly Trend

MCMIS Snapshot Month an
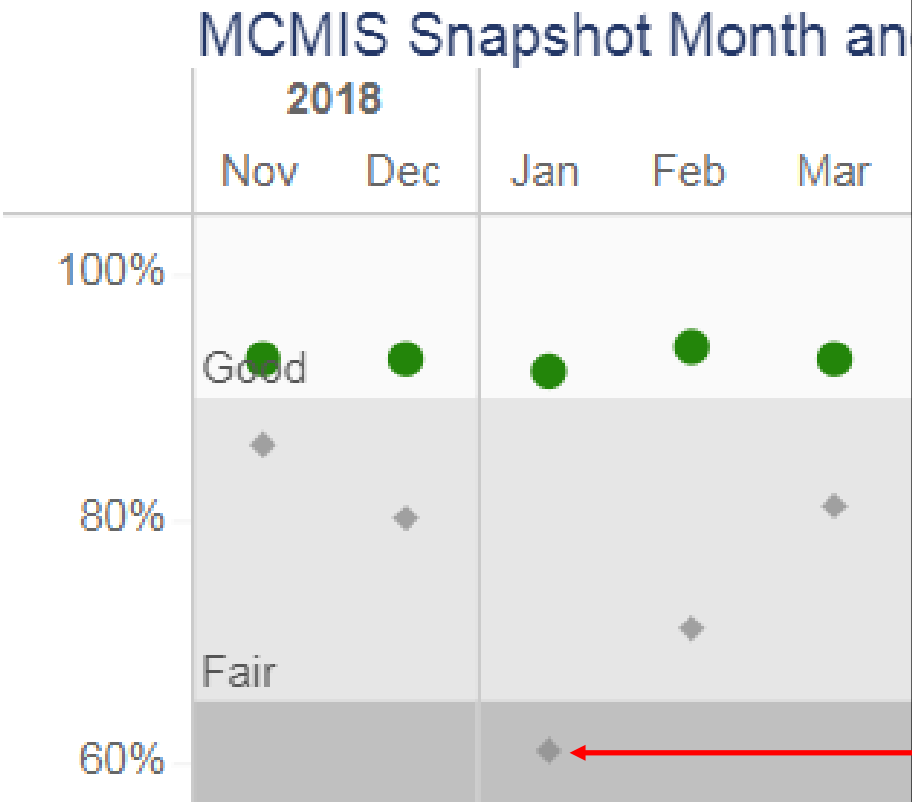
Single-snapshot View

January 25, 2019

Measure: Crash Timeliness

92%

833 records uploaded on time

909 total records evaluated

Records were uploaded on time between **November 1, 2017** and **October 31, 2018**.

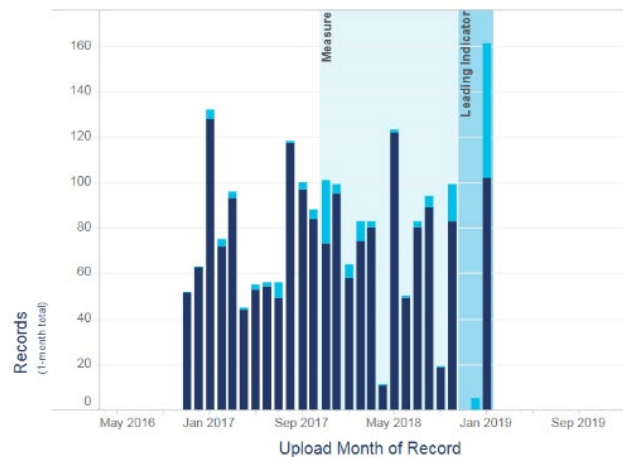**Leading Indicator:** Crash Timeliness

61%

102 records uploaded on time

166 total records evaluated

Records were uploaded on time between **November 1, 2018** and **January 25, 2019**.

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Crash Timeliness Dashboard (Cont.)
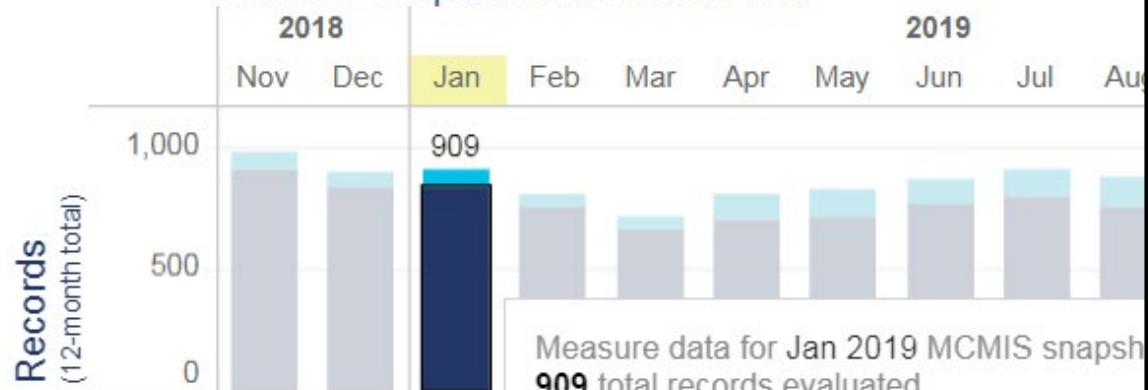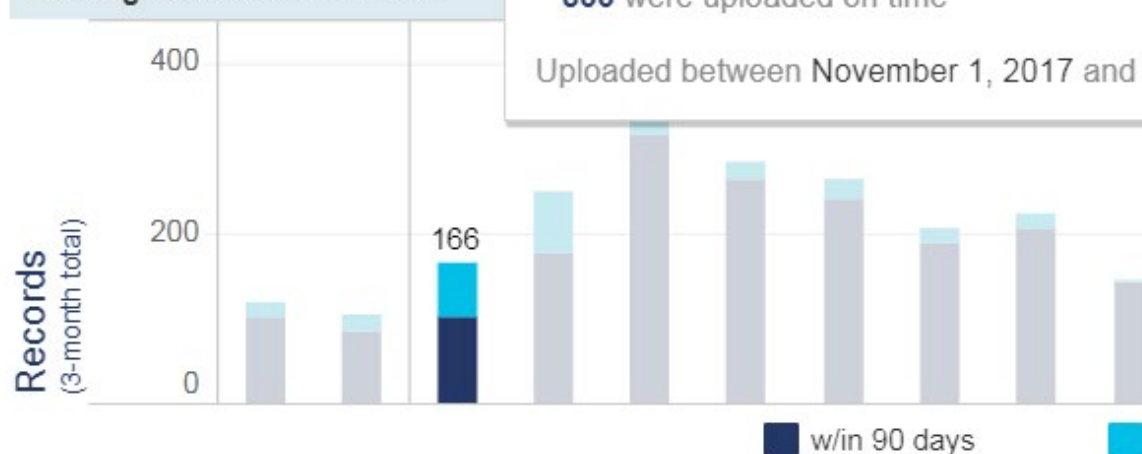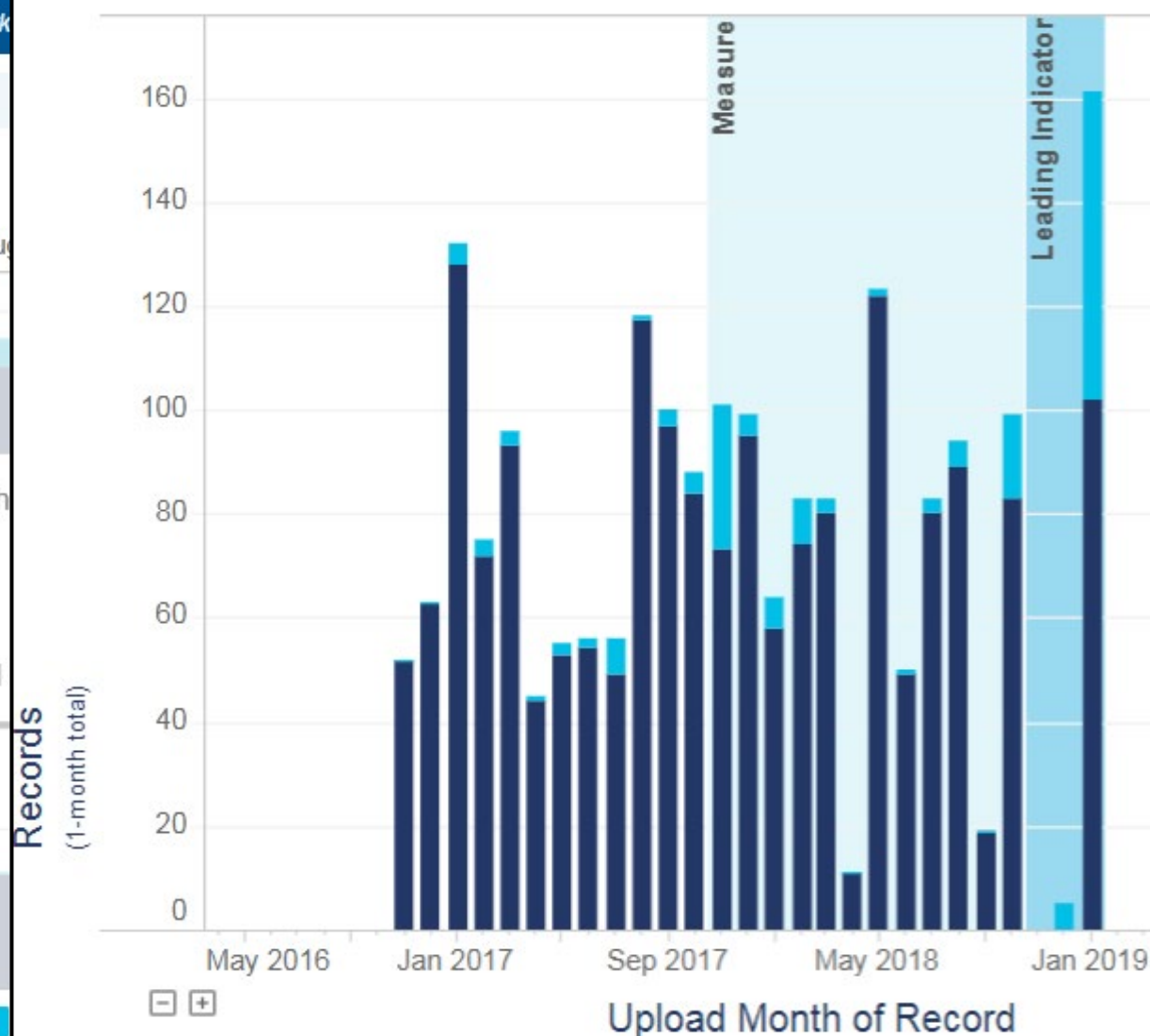
Using Visualizations to Tell Stories
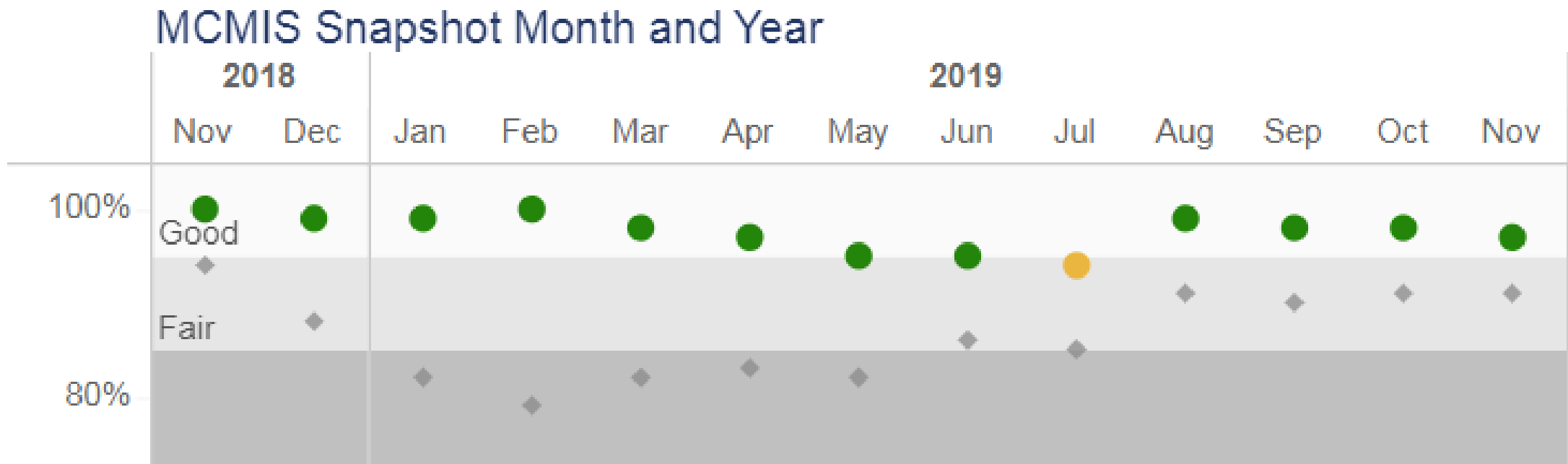
Thank you

Scott Valentine

Data Quality Program Manager

Scott.valentine@dot.gov

https://ai.fmcsa.dot.gov/DataQuality/