State Safety Data Quality Update

Scott Valentine
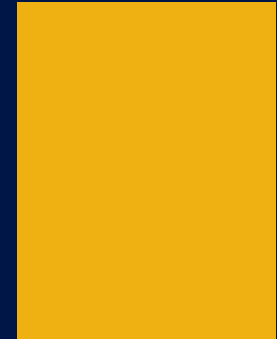
U.S. Department of Transportation
Federal Motor Carrier Safety Administration

Federal Motor Carrier Safety Administration

2024

SAFETY
RESEARCH
FORUM

VIRTUAL EVENT

State Safety Data Quality (SSDQ) Measures

CRASH MEASURES

Crash Timeliness
Current Rating ↓
98%
● Leading Indicator 98%

Crash VIN Accuracy
Current Rating ↑
100%
● Leading Indicator 99%

Crash Accuracy
Current Rating
100%
● Leading Indicator 99%

Crash Record Completeness
Current Rating
99%
● Leading Indicator 99%

Fatal Crash Completeness
Current Rating
98%

Crash Consistency Indicator
Current Rating ↑
104%
● Leading Indicator 83%

INSPECTION MEASURES

Inspection Timeliness
Current Rating
100%
● Leading Indicator 100%

Inspection VIN Accuracy
Current Rating
100%
● Leading Indicator 100%

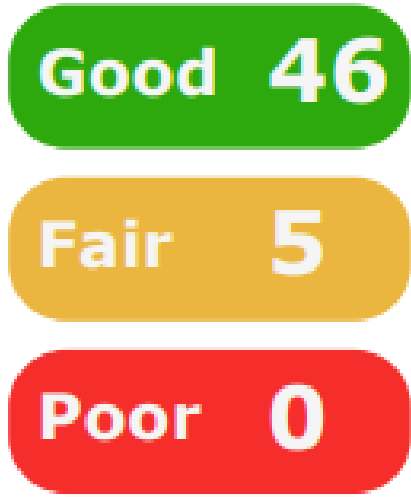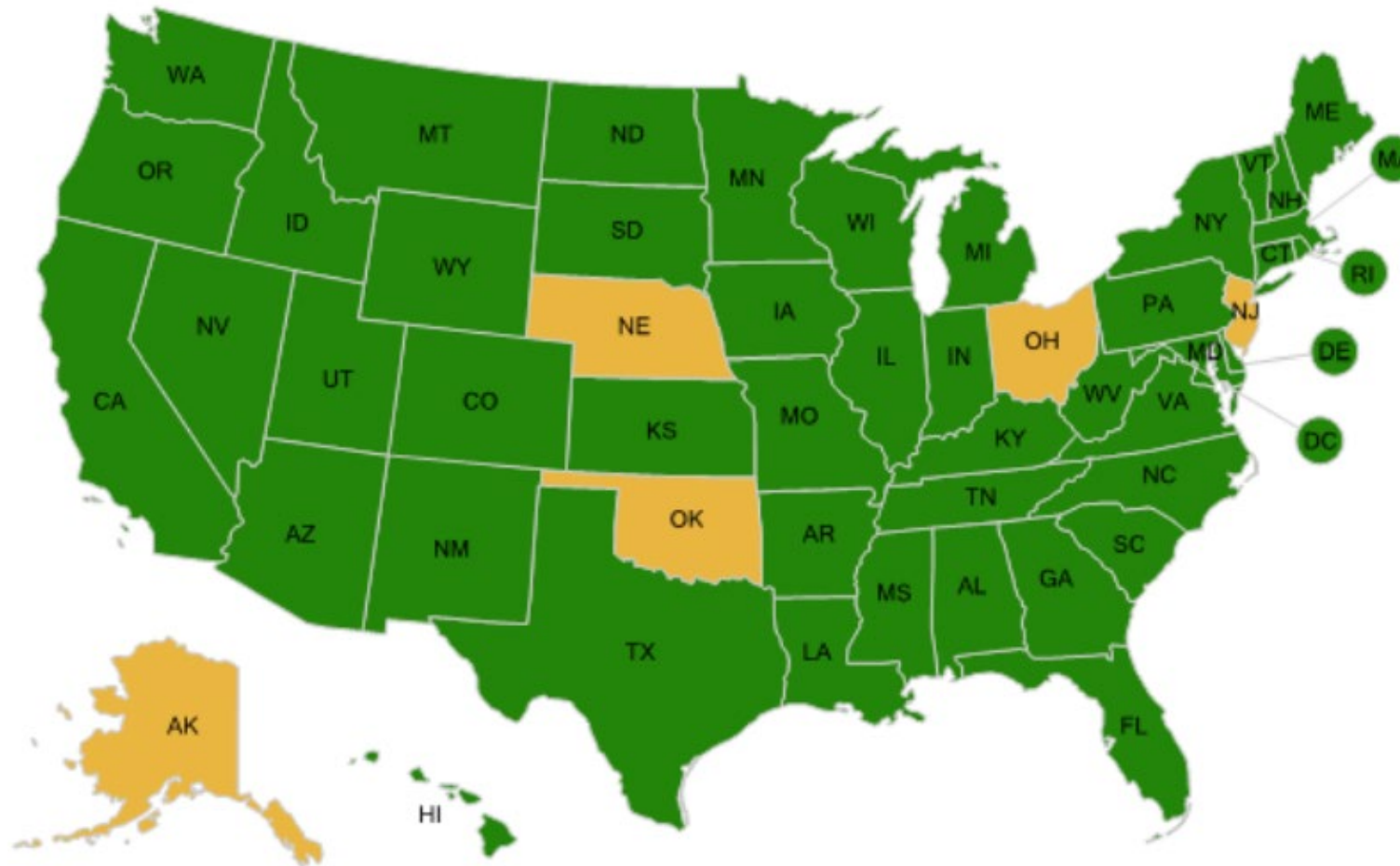### Inspection Accuracy
Current Rating
100%
● Leading Indicator 100%

Inspection Record Completeness
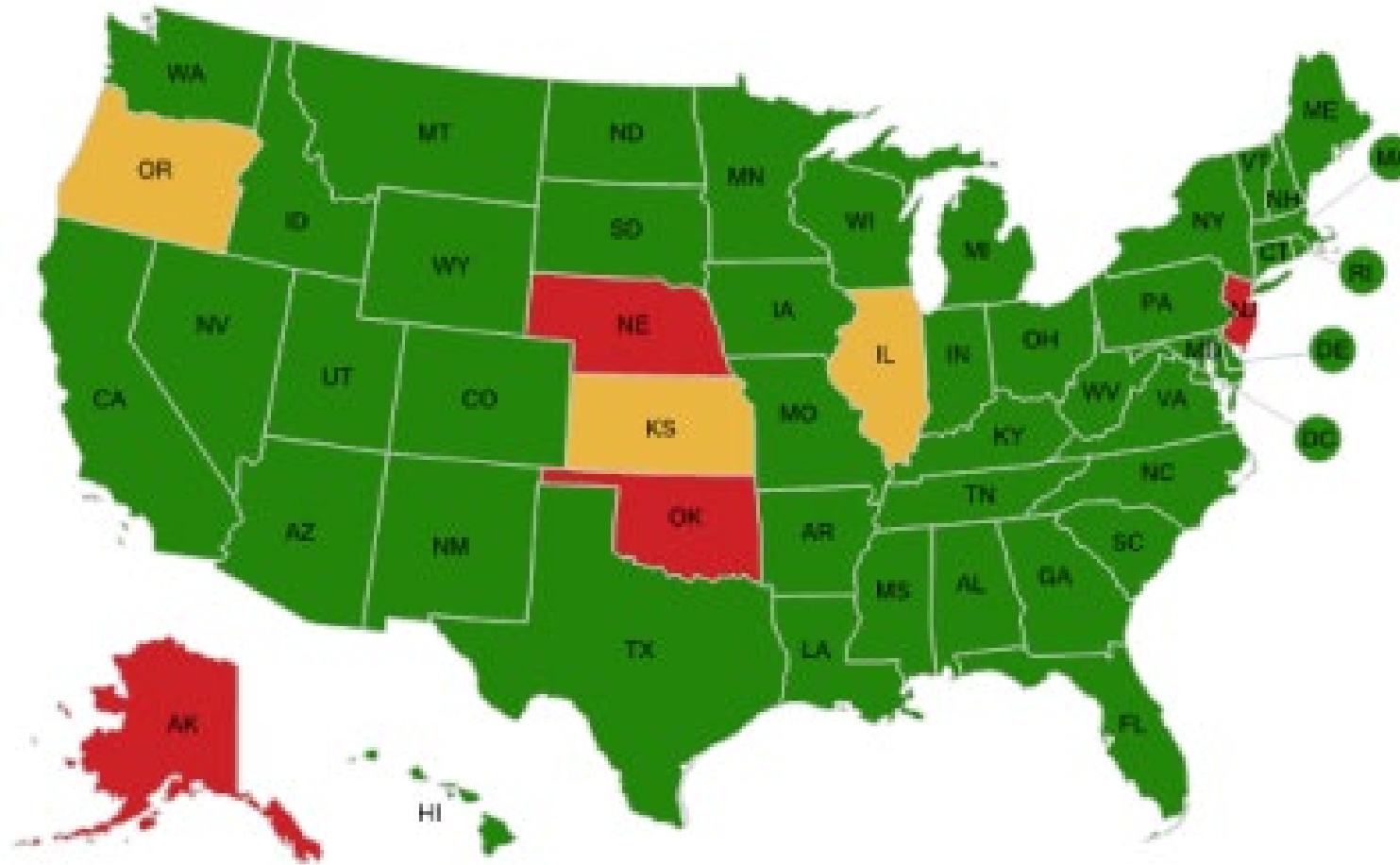**Current Rating**
97%
● Leading Indicator 97%

State Safety Data Quality – Feb. 2024 results

Good 46
Fair 5
Poor 0

Good Problem: 7 SSDQ Measure Maps Look Like This:

Good 51

Fair 0

Poor 0

Hard Problem: Crash Timeliness

Good | 44
Fair | 3
Poor | 4

What Makes Timeliness Difficult?

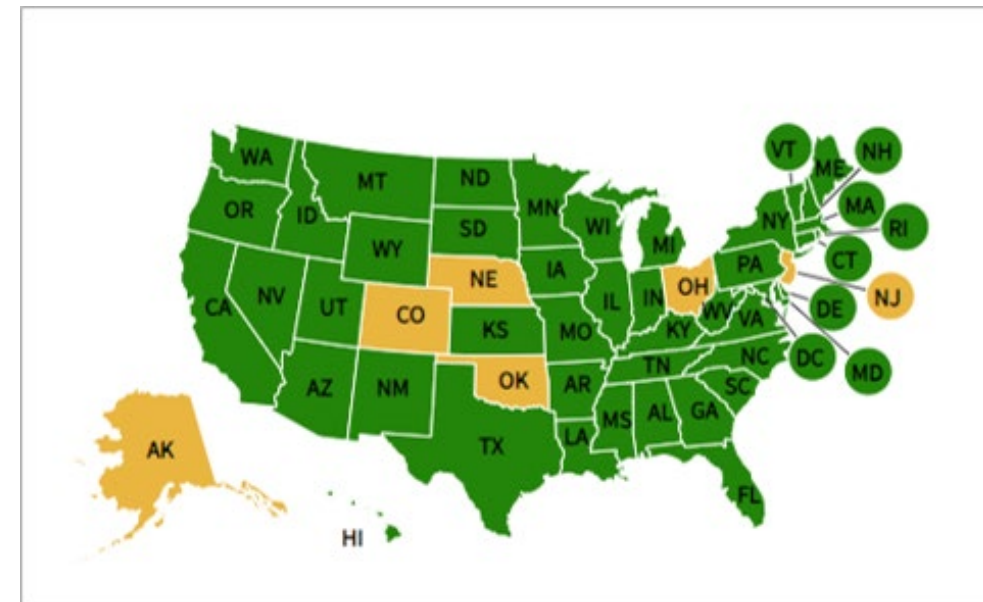Late records cannot be fixed

Old standards

New technologies

Difficult to maintain: 90% within 90 days

Latest Changes to State Safety Data Quality

- Right-size good/fair/poor thresholds across most measures
  - Raise standards based on recent performance
  - Base thresholds on where we want performance to be
- Make Timeliness measures harder
- Make Thresholds more forgiving
- Update posted publicly in late April 2024
  - https://ai.fmcsa.dot.gov/DataQuality/

Contact Information

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