INTERNET ACCESS

- Join **FDOT_Guest**
- Add your information
- Submit to either:
  - Chris.Craig@dot.state.fl.us
  - Charlton.Bradley@dot.state.fl.us
- Remain on that page and select **Log In** when it is activated

WELCOME AND INTRODUCTIONS

Chris Craig, FDOT

EXECUTIVE BOARD

TRCC Executive Board Members

Beth Allman, Florida Court Clerks and Comptrollers

Major Lisa Barnett, Florida Highway Patrol

Captain Steve Barrows, Leon County Sheriff's Office/Florida Sheriffs Association

Ty Carhart (Interim), Florida Department of Health

Robert Kynoch, Florida Department of Highway Safety and Motor Vehicles

Deputy Chief Tonja Smith, Tallahassee Police Department/Florida Police Chiefs Association

Brenda Young (Interim), Florida Department of Transportation

JUNE 27, 2025, MEETING MINUTES

Chris Craig
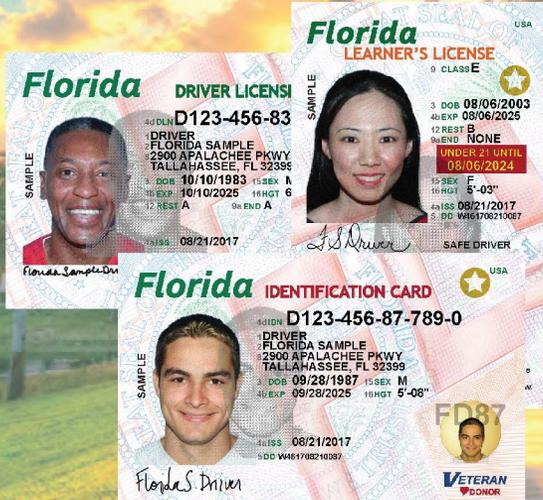
CRASH AND UNIFORM TRAFFIC CITATION (UTC) DATA IMPROVEMENT

Florida Department of Highway Safety and Motor Vehicles

FFY 2025: Q4
Crash & UTC Data Improvement Grant
Melissa Gonzalez, Operations & Management Consultant Manager

Objective 1- Crash

Create a work plan to improve the accessibility of the Accuracy, Completeness, and Timeliness (ACT) Report.

Status: Final draft reviewed on 9/16/25;

Next Steps: Complete final edits by 9/30/25

Workplan contents:

- Project SOW, business requirements, assumptions & constraints

- "As-is" state of ACT Report – manual generation process, system workflows, data sources, tools, etc.

- "Future" state - new automation process, data flows, tables, & distribution method

- Construct method of new vehicle and diver data integration performance measures to ensure consistency of FLHSMV datasets: Crash, UTC, DL, MV registration

FLHSMV
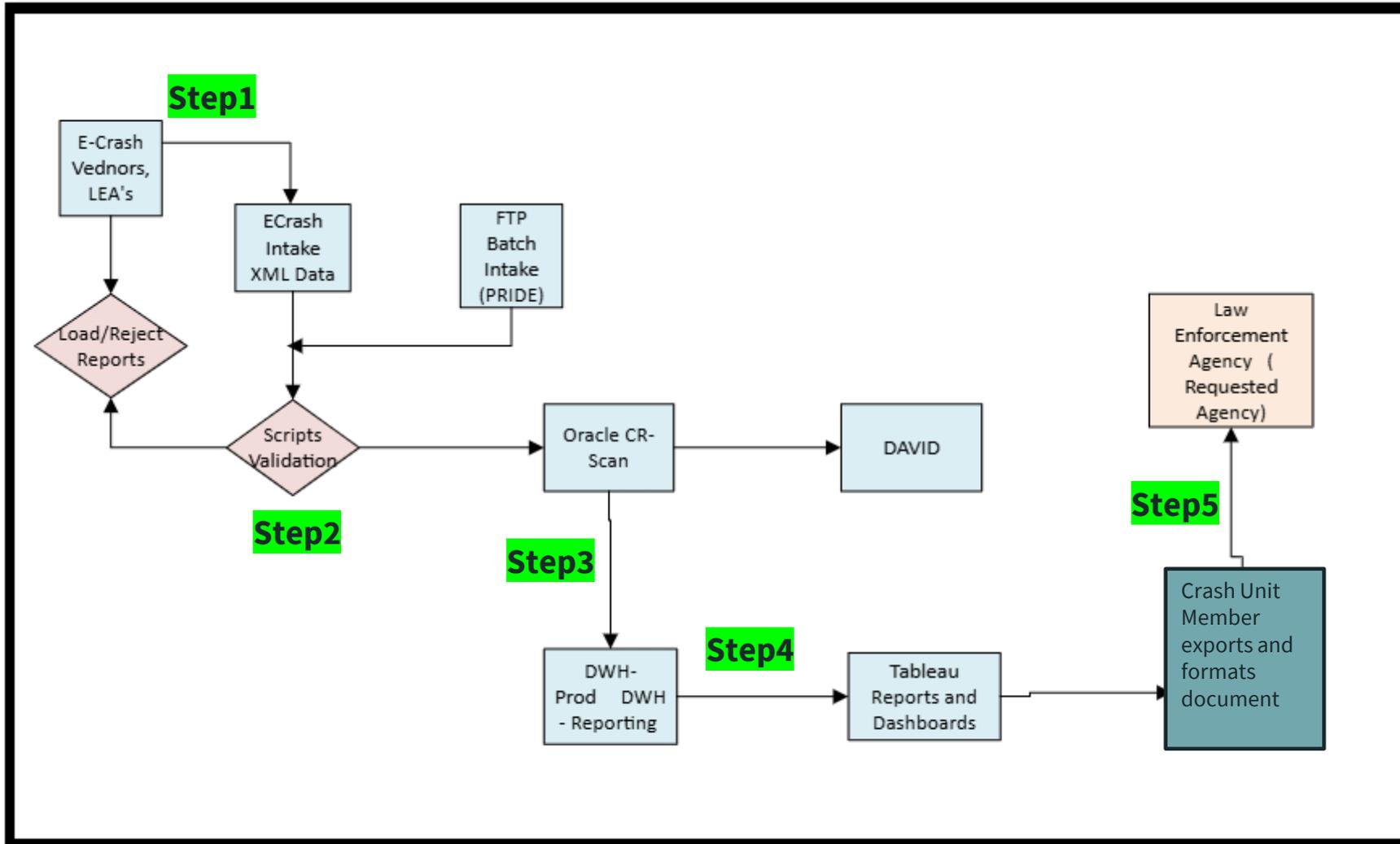
"AS – IS" ACT REPORT

"FUTURE STATE" ACT REPORT

- Automated data process

- Implemented Tableau Prep

- Increase performance measure flexibility to meet business needs

- FLHSMV controls via external access folder

- Vendor distribution method
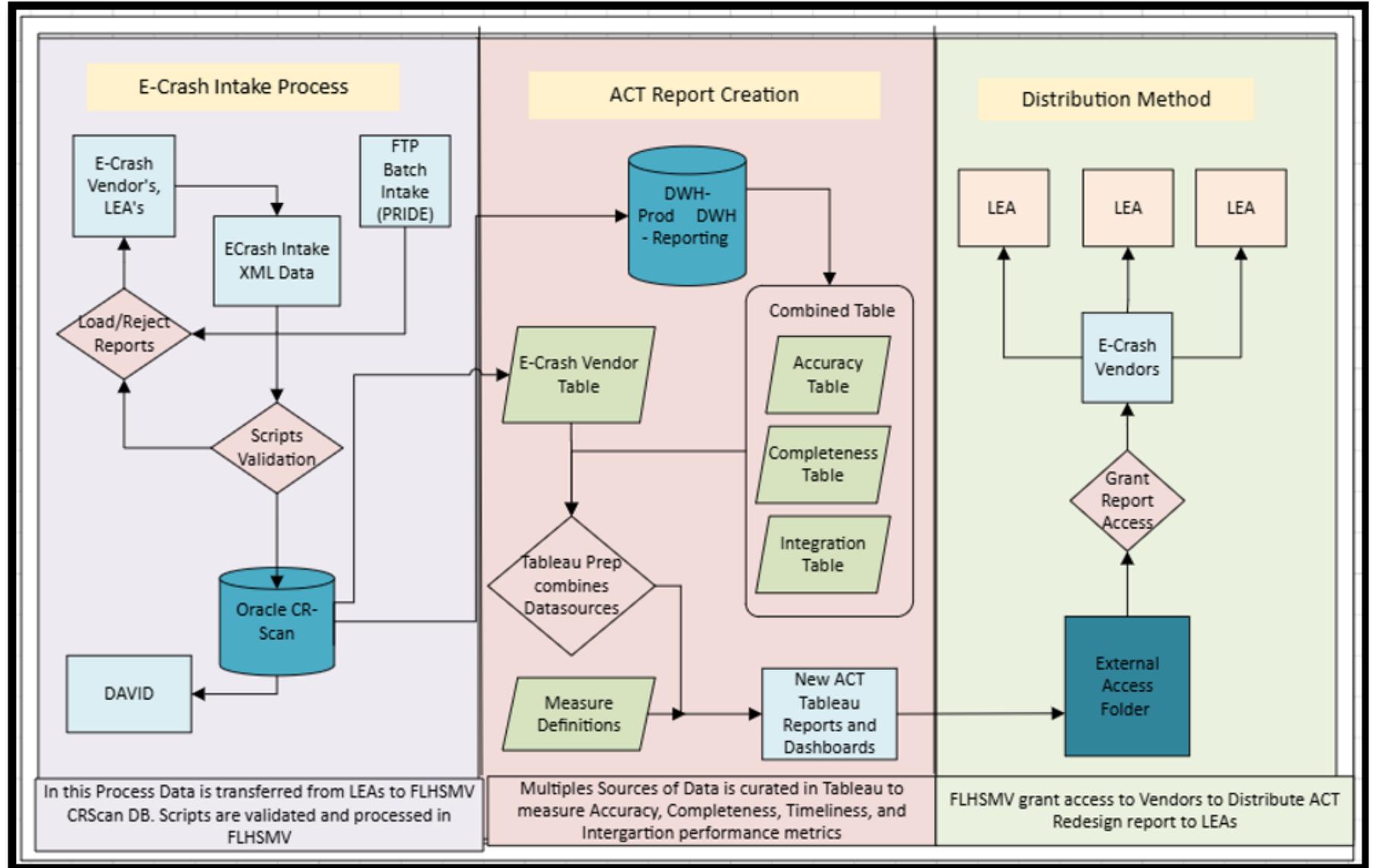
Objective 2- Crash

Implement enhancements to the ACT Report to improve accessibility

Status: Completed

- E-crash vendor has ability to view/print/email ACT report

- Initial demo conducted w/TraCS and ELVIS on 9/3/25

Next Steps: Provider Support Agenda Item - Demo ACT Report

Benefits:

1) Automation- reduces FLHSMV staff resources

2) Controlled permissions are in place (vendor only sees LEAs they serve)

3) Vendor insight into "software score" by providing stats for ALL LEAs or SINGLE LEA viewpoint

4) Provides vendor direction for potential software trainings or software resolutions to implement

FLHSMV
FLORIDA HIGHWAY SAFETY AND MOTOR VEHICLES

ACT Report: Summary

A report detailing the data quality of crash data successfully submitted to FLHSMV

AGENCY_NAME

Verified Vendor
TraCS

Month Date
August 2025

Accuracy Measure : *August 2025*

Error Count 260

Total Checks 14,088

-- Accuracy measures the internal consistency, cross validations, and edit checks within crash repo..

Completeness Measure : *August 2025*

Error Count 307

Total Checks 42,492

-- Completeness measures whether required crash report fields were completed --

Integration Measure : *August 2025*

Error Count 379

Total Checks 5,941

Value

-- Integration measures the consistency between the Crash, Driver, Vehicle, and UTC databases --

Total Checks: The total amount of performance measure checks assessed on the crash data.
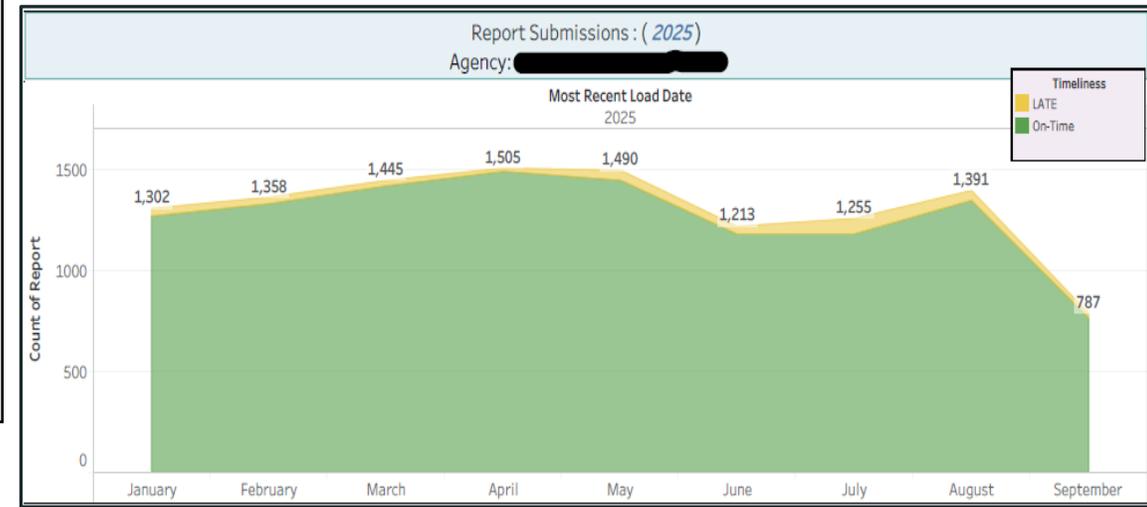Error Count: The amount of performance measure checks that may contain discrepancies...

Timeliness : *August 2025*

49 - LATE
3.5%

1,342 - On-Time
96.5%

* Late is described as reports that are submitted 10 days after crash date *

Summary Report
Agency:

	Most Recent Load Date 2025			
	May	June	July	August
Count of Report	1,490	1,213	1,255	1,391
On-Time Reports	1,440	1,177	1,177	1,342
Late Reports	50	36	78	49
Avg. On-Time Percentage	96.64%	97.03%	93.78%	96.48%
Avg. Passing Rate	98.65%	98.74%	98.44%	98.49%
Error Count	914	685	879	946

ACT Report: Summary

Monthly Aggregate Scores
- Accuracy
- Completeness
- Timeliness
- Integration
- Summary report (count of reports, on-time reports, late reports, avg. on-time %, avg. passing rate, error count)

Report Submissions : (*2025*)
Agency:

Most Recent Load Date 2025

Timeliness
LATE
On-Time

Count of Report

1,302 1,358 1,445 1,505 1,490 1,213 1,255 1,391 787

January February March April May June July August September

ACT Report: Detail

Top 10 Metrics having most issues

- Accuracy
- Completeness
- Timeliness
- Integration
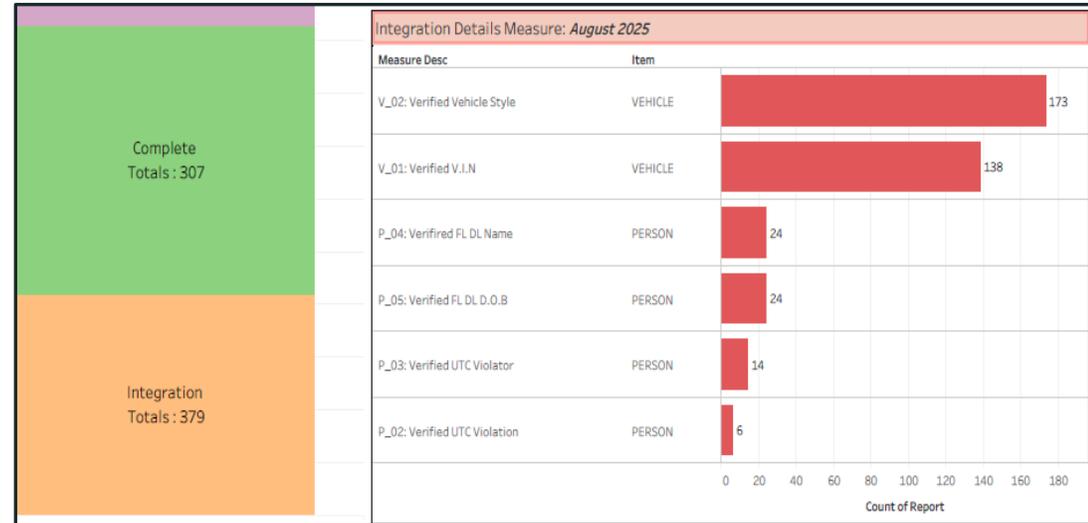
Integration Measure Descriptions

Item Desc	Code	Measure Desc..	Crash Elements Affected	Error Message
Person	P-02	Verified UTC Violation	Citation Number	Verification that a valid Uniform Traffic Citation (UTC) number that was utilized on the crash report matches a used citation in FLHSMV UTC data.
	P-03	Verified UTC Violator	First Name, Last Name, Citation Number, Driver License Number	Verification that a UTC Violator is correctly cited for the citation listed on the crash report. This cross references the FLHSMV UTC data.
	P-04	Verifired FL DL Name	First Name, Last Name, State (DL), Driver License Number	Verification that the Driver Name and the Driver's License Number are consistent with the FLHSMV Driver License data. Excludes OOS and no-license drivers.
	P-05	Verified FL DL D.O.B	First Name, Last Name, State (DL), Driver License Number, Date of Birth	Verification that the Date of Birth and the Driver's license number are consistent with the FLHSMV Driver License data. Excludess OOS and no-license drivers.
Vehicle	V-01	Verified V.I.N	VIN, Hit and Run	Verification that a non-errorneous Vehicle Identification Number was entered. Excludes Unknown vehicles and Hit and Runs. This cross references the FLHSMV Motor Vehicle Registration Data.
	V-02	Verified Vehicle Style	VIN, Style (vehicle), Hit and Run	Verification that a the Vehicle Style and VIN are consistent with the FLHSMV Motor Vehicle Registration data. Excludes Unknown Vehicles and Hit and Runs.

Objective 3: Expand the ACT Reports to include vehicle and driver accuracy and completeness measures

FLHSMV

Data Flow: Integration P-04 Verified Driver Name

P-04: Verified Driver Name

MS_DRIVER DATA

Driver License Table
Driver's License Number, Individual Name ID*

Individual Name Table
Individual Name ID, First Name, Last Name

Data Linkage

Driver Table
Unique Driver Key, Event FK*, Driver License Number, Driver License State, Driver License Type

Driver FK*, First Name, Last Name
Person Table

Event key, Report Number
EventTable

Crash Data

P-04	Verifired FL DL Name	First Name, Last Name, State (DL), Driver License Number	Verification that the Driver Name and the Driver's License Number are consistent with the FLHSMV Driver License data. Excludes OOS and no-license drivers.

UTC Objective
State-to-State (S2S) Verification Service

The S2S Verification Service is a means for states to electronically communicate.

S2S satisfies these key business requirements:

- limits a person to one Driving Record

- enables a state to determine whether a person holds a Driving Record in another state

- enables a state to send a request to another state to surrender or invalidate a DL/ID

- limits a person to one REAL ID credential (either a DL or an ID) by enabling a state to determine whether a person holds a REAL ID credential in another state

Objective 4- UTC

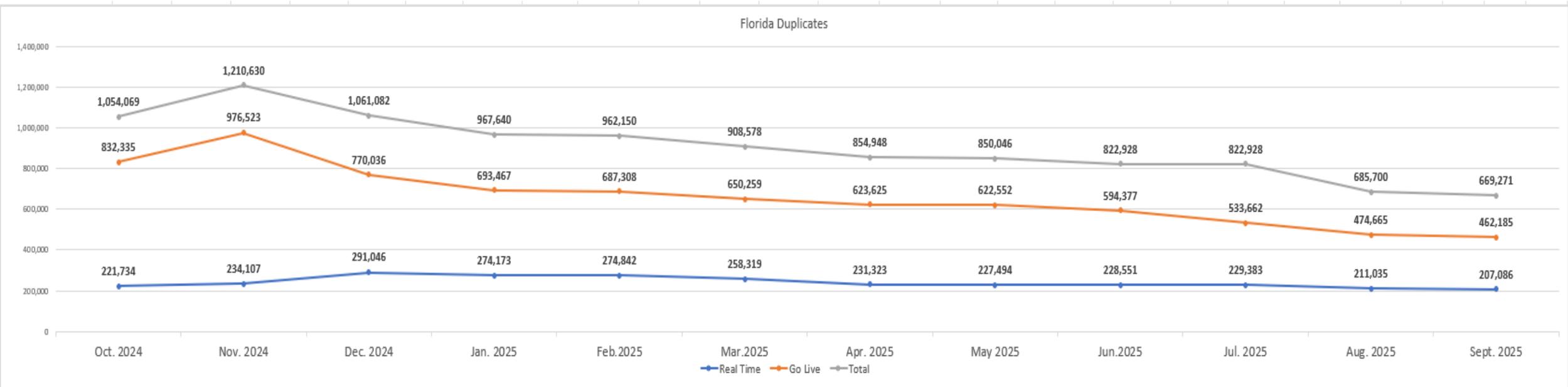Identify and resolve duplicate credentials to improve uniformity of driver history data.

Resolved Duplicates	
Quarter / Month	Total Duplicates Resolved
Q1: Oct 2024	9,021
Q1: Nov 2024	6,600
Q1: Dec 2024	6,833
Q2: Jan 2025	6,138
Q2: Feb 2025	3,767
Q2: March 2025	3,982
Q3: April 2025	4,187
Q3: May 2025	5,798
Q3: June 2025	6,871
Q4: July 2025	7,843
Q4: August 2025	6,300
Q4: Sept 2025	3,355
Grand Total	**70,695**

Duplicates are identified:
At the time of an original issuance of a FL credential

or

Due to an existing "active or already issued" credential from another state identified when a state onboards to S2S

FLHSMV

Duplicate Stats: Oct. 2024- Sept. 15, 2025

Florida Duplicates

	Oct. 2024	Nov. 2024	Dec. 2024	Jan. 2025	Feb.2025	Mar.2025	Apr. 2025	May 2025	Jun.2025	Jul. 2025	Aug. 2025	Sept. 2025
Total	1,054,069	1,210,630	1,061,082	967,640	962,150	908,578	854,948	850,046	822,928	822,928	685,700	669,271
Go Live	832,335	976,523	770,036	693,467	687,308	650,259	623,625	622,552	594,377	533,662	474,665	462,185
Real Time	221,734	234,107	291,046	274,173	274,842	258,319	231,323	227,494	228,551	229,383	211,035	207,086

Go Live (orange): FL + new states onboarding = 462,185

Real Time (blue): present customer DL issuance = 207,086

Grant Total as of 9/15/25 (gray) = 669,271

FFY 2025
Crash & UTC Data Improvement Grant

DRIVER AND VEHICLE DATA QUALITY IMPROVEMENT

Florida Department of Highway Safety and Motor Vehicles

FFY 2025
Driver and Vehicle Data Quality Improvement Grant

Grant Objectives

✓ Create a project plan to implement project goals for the driver and vehicle data systems.

✓ Develop performance measure(s), including baseline measurements, and establish numeric goals to evaluate performance for the:

- Driver records system

- Vehicle records system

✓ Identify recommendations for ongoing monitoring and evaluation of data quality for the driver and vehicle systems.

Return Mail – Invalid Addresses

USPS Cities **FL Cities**	FL DRIVERS **Customer Count**	FL DRIVERS **City**	
Non-Uniform City Names	55	HOMESTED	
Non-Uniform City Names	2	GAINSVILE	
Non-Uniform City Names	7	POMPNO BEACH	
Non-Uniform City Names	1	ANENTURA	
Non-Uniform City Names	1	GREEN COVE SRPIGNS	
Non-Uniform City Names	1	WEST LEHIGH ACRES	
Non-Uniform City Names	1	BOWLIING GREEN	
Non-Uniform City Names	1	INNDIALANTIC	
Non-Uniform City Names	1	FERNANDINA BC	
Non-Uniform City Names	1	GREEN COVE SPING	
Non-Uniform City Names	1	MIAMI SPRIINGS	
Non-Uniform City Names	1	BELLE AIR	
Non-Uniform City Names	2	UNKNOWN	

Driver Data Sets

Driver License Address Data

Why? Law enforcement, municipalities, and MV manufacturers use this data

Uniformity - Percent of mailing addresses in DL system that align with USPS City Directory

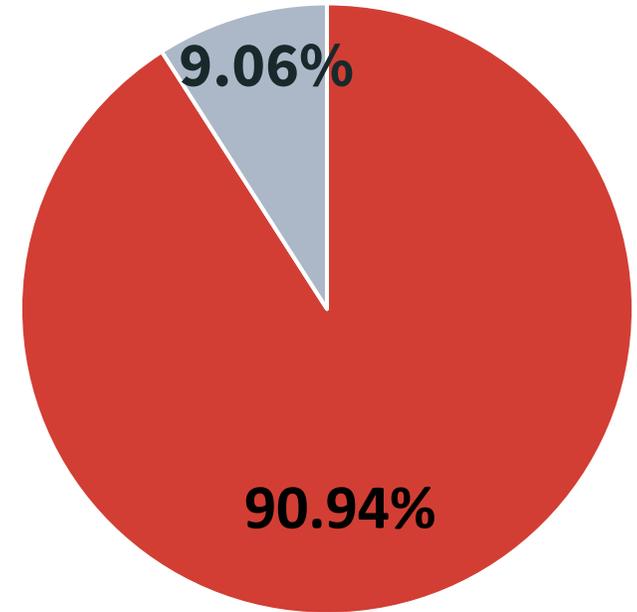- **Baseline:** 90.94%
- **Target:** 100%

➤ **Recommendations**
- Consult with relevant FLHSMV units to clean up data
- Integrate runtime-validation at the point of data entry (Smarty)
- Ensure USPS reference data is updated regularly, and validation logic remains aligned with national standards
- Outreach to tax collectors and field offices

Uniformity of Mailing Addresses in DL System

City Names	Record Count	Uniformity Percent
Uniform City Names	18,081,417	90.94%
Non-Uniform City Names	1,802,327	9.06%
Totals	19,883,744	**100%**

USPS City Name Conformity

9.06%

90.94%

- Uniform City Names
- Non-Uniform City Names

Vehicle Data Sets
Motor Vehicle Address Data

Why? Law enforcement, municipalities, and MV manufacturers use this data

Uniformity - Percent of mailing addresses in MV system that align with USPS City Directory

Business Addresses
- **Baseline:** 89.49%
- **Target:** 100%

Individual Addresses
- **Baseline:** 90.81%
- **Target:** 100%

➢ **Recommendations**
- Consult with relevant FLHSMV units to clean up data
- Implement city name validation at the point of data entry (Smarty)
- Ensure USPS reference data is updated regularly, and validation logic remains aligned with national standards
- Outreach to tax collectors and field offices

FLHSMV

Uniformity of Mailing Addresses in MV System

City Names	Businesses Addresses	Uniformity Percent	Individual Addresses	Uniformity Percent
Uniform City Names	711,877	89.49%	13,699,538	90.81%
Non-Uniform City Names	83,566	10.51%	1,387,070	9.19%
Totals	795,443	**100%**	15,086,608	**100%**
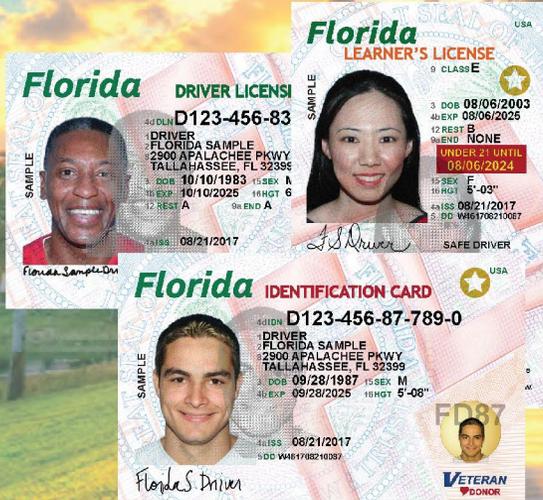
FLHSMV

Questions?

Contact: dennismajano@flhsmv.gov
angelalynn@flhsmv.gov

FIELD DATA COLLECTION FOR NATIONAL EMERGENCY MEDICAL SERVICES INFORMATION SYSTEM (NEMSIS)

Florida Department of Health

TRCC
DATA WHEN, WHERE, AND HOW YOU NEED IT

Department of Health

**Traffic Records Coordinating Council
Project Update**

EMS Field Data Collection
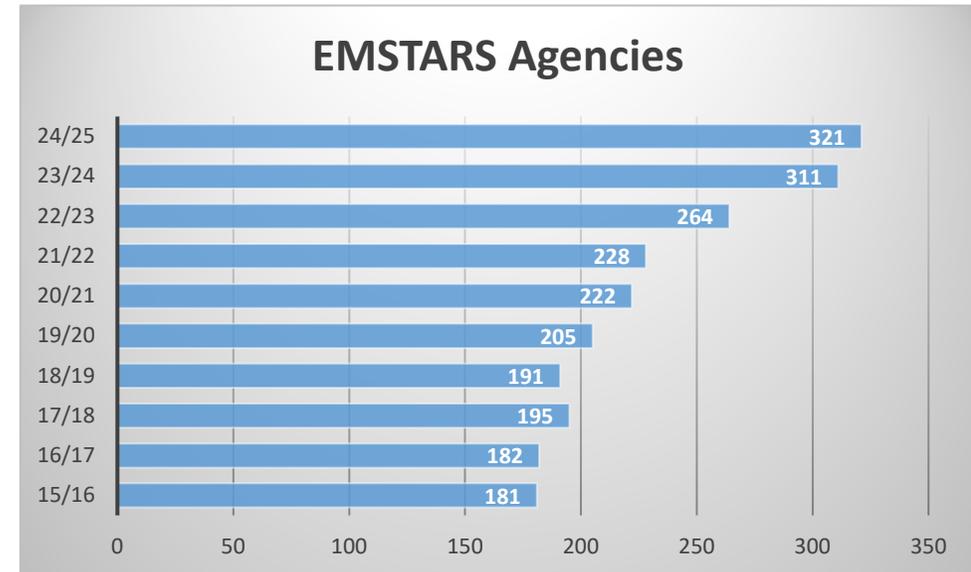
September 19, 2025

FY 24/25 Objectives
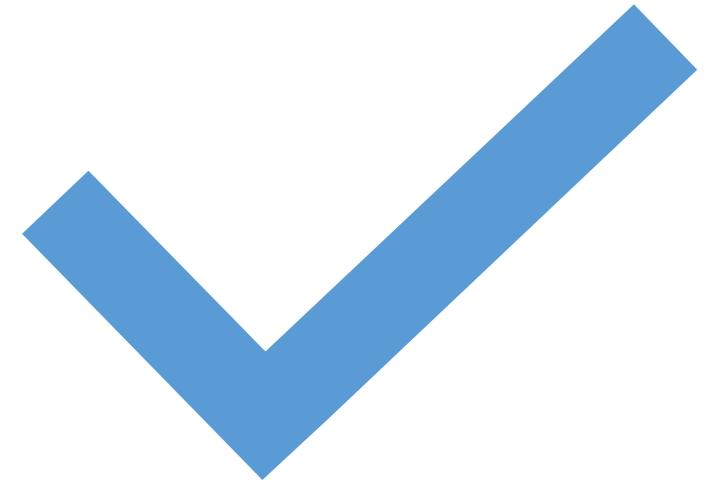
Completeness

Increase % of EMS agencies submitting to state incident level repository to 99% by September 30, 2025

93%

EMSTARS Agencies

FY	Agencies
24/25	321
23/24	311
22/23	264
21/22	228
20/21	222
19/20	205
18/19	191
17/18	195
16/17	182
15/16	181

344 Total Licensed Agencies
321 Agencies in EMSTARS –
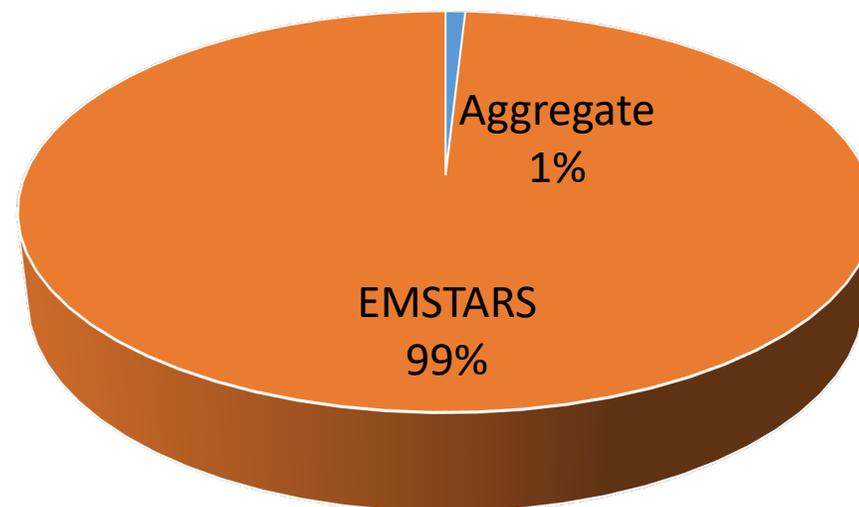   **includes 11 subagencies**

34 Aggregate

FY 24/25 Objectives

Completeness

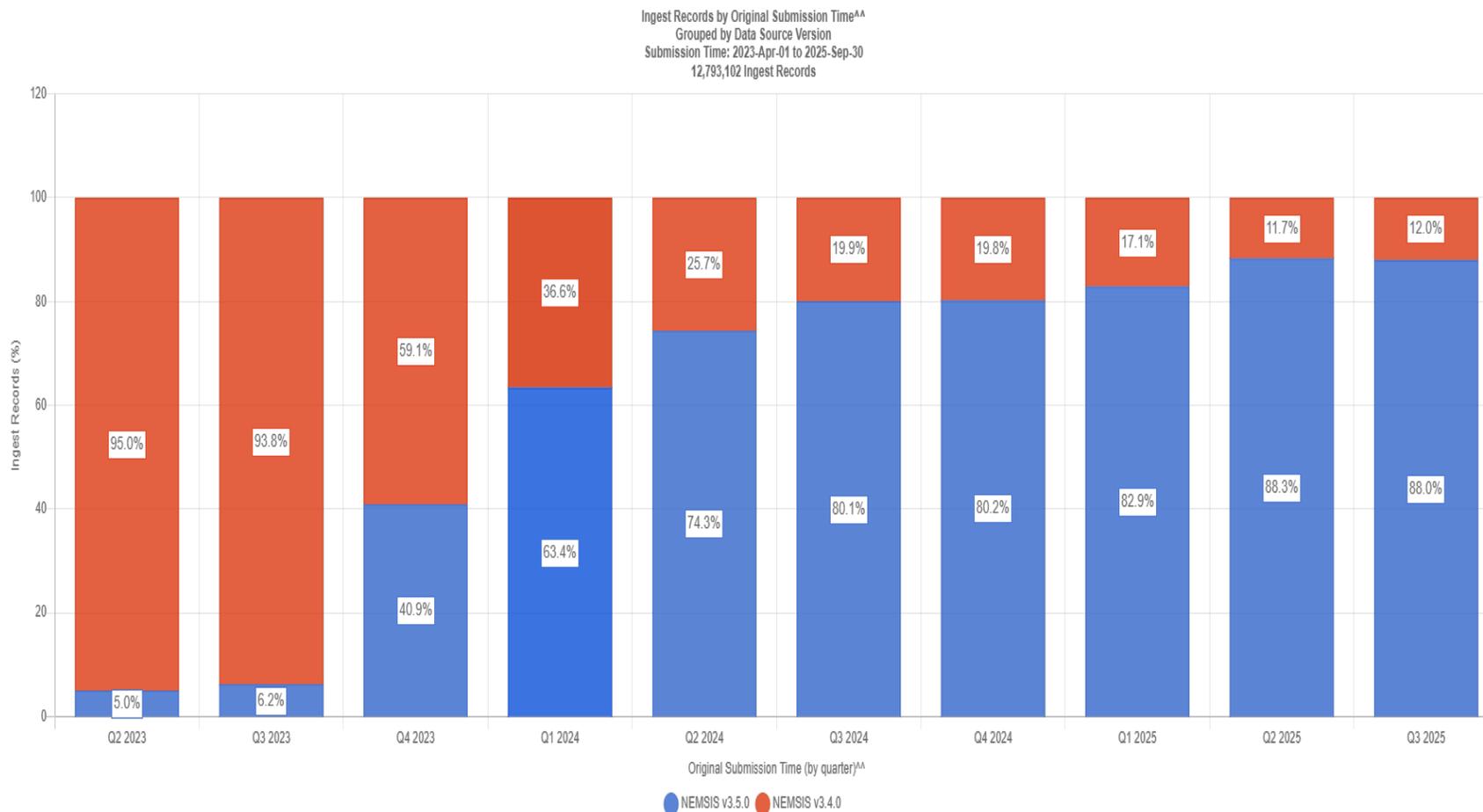**Increase % of EMS emergency run reports submissions to the state repository to 100% by September 30, 2025.**

99%

	2023	2024	2025
EMSTARS/biospatial	4994653	5145771	3519189
Aggregate	11627	79526	32716
Totals	5110880	522529	3551905
%EMSTARS	97.73%	98.48%	99.07%

NEMSIS
BETTER DATA. BETTER CARE.

EMS Data Standard Versioning 10-Year Project Plan

		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032

v3.4.0 — Major Release — v3.4.0 Discontinued

v3.5.0 — Major Release — v3.5.0 Continuing to accept data — v3.5.0 Discontinued

v3.5.1 — Minor Release — v3.5.1 Consensus / v3.5.1 Software Build — Live — v3.5.1 Continuing to accept data — v3.5.1 Discontinued

v3.6.0 — Major Release — v3.6 Consensus / v3.6 Software Build — Live — v3.6 Continuing to accept data

v3.6.1 — Minor Release — v3.6.1 Consensus / v3.6.1 Software Build — Live — v3.6.1 Continuing to accept data

Legend
Consensus: Stakeholders review and reach agreement on revisions.
Software Build: Software developers create and release tools for the new version.
Live: Version is complete, software is available, and data can be submitted to the TAC.
Continuing to accept data: Records in this version are accepted by the TAC.
Discontinued: Records in this version are no longer accepted by the TAC.

January 2023, supersedes previous drafts. Calendaring represents approximate start/end dates and should not be construed to represent a set schedule. Actual schedules will be developed as milestones approach. Last Updated: April, 2024

Type of Release
Informational Release: Includes corrections to the dictionary (e.g., typos, comments, update links). The release is "backwards compatible" (e.g., ePCR record generated in v3.5.0 is valid in v3.5.1).
Minor Release: Includes changes that are more permissive to the data standard (e.g., new optional elements or changing an error to a warning). The release is "backwards compatible".
Major Release: Includes changes that may be more restrictive (e.g., upgrading an element from state or optional to national). This release is NOT "backwards compatible" to the previous version.
Critical Patch: Corrects security or functionality that seriously compromises the daily function of the standard. Released as needed.

FY 24/25 Objectives

Uniformity/Accuracy

Publish an update to the Florida Data Dictionary with business rules for NEMSIS 3.5.1 by September 30, 2025.

- ✓ Completed Monthly updates to State Data Set – October and March
- ✓ Completed Quarterly Business Rules Review
- ✓ Completed Business Rule Schematron Update – October and March
- ✓ Completed review of new V3.5.1 elements – December
- ✓ Completed review/impact of implementation of Presidential Executive Orders
- ✓ Continued review of NEMSIS/MIH elements
- ✓ Completed – formal approval target 10/1/25

Florida's V3.5.1 Timeframe

- **Florida could begin receiving V3.5.1 submissions by 4th qtr 2025. (exact date TBD)**

- **Florida will continue to accept V3.5**

- **Florida agencies submitting V3.4 should migrate asap to the current version by 4th qtr 2025**

Completeness

Participate in NEMSIS Technical Advisory Conference and NASEMSO annual meetings to finalize the implementation strategy.

- ✓ **Participated in NEMSIS Technical advisory calls – biweekly**
- ✓ **Participated in NASEMSO calls – monthly or as scheduled**
- ✓ **NEMSIS Technical advisory Conference – virtual attendance**

Conduct four EMS Advisory Council Data Committee worksessions to continue maintaining Florida data standards, business rules and implementation best practices consistent with NEMSIS.

- ✓ **EMSAC Data Committee**
  - **10/29/24 – completed**
  - **12/12/24 – completed**
  - **01/08/25 – completed**
  - **04/18/25 - completed**
  - **06/11/25 - completed**
  - **07/18/25 - completed**
  - **07/25/25 - completed**
  - **08/15/25 - completed**

FY 24/25 OBJECTIVES

Accuracy

Monitor and report (quarterly) on a minimum of three data quality measures in addition to the NEMSIS data quality measures by September 30, 2025 (Measure data quality around 3 state Clinical performance measures).

Overall NEMSIS Data Quality   *90%*

- *Patient Information*   *97% +1*
- *Cardiac Arrest*   *89%*
- *Valid System Times*   *98%*
- *Injury Information*   *78%*
- *Clinical Times Recorded*   *78%* -2
- *Other incident Information*   *97%* +1

NEMSIS V3 Data Quality Dashboard

Florida
HEALTH

EMS Clinical Performance Measures

Accuracy

Monitor and report (quarterly) on a minimum of three data quality measures in addition to the NEMSIS data quality measures by September 30, 2025 (Measure data quality around 3 state Clinical performance measures).

Implementation of Warnings Dashboard - A tool designed to provide Regional Coordinators with additional insight into EMS warning messages to help us identify recurring issues, improve data quality, and enhance operational efficiency.

Dashboard Overview:
This tool provides visibility into **warnings received in EMS ePCR reports**, allowing users to analyze data across key dimensions:

- **Region**
- **Area** –**rural** or **urban**
- **Agency**
- **Strategic Quality Measure**
- **Software Company**.
- **Type of Rule**
- **Month**

⚡ **Public Dashboard Release** – A similar version published on the **EMSTARS webpage**, showing data **by region (RDSTF) excluding agency details**.

EMS Data Quality – Warning Messages Dashboard

Florida
HEALTH

Warning by Strategic Measure

EMS Data Quality – Warning Messages Dashboard

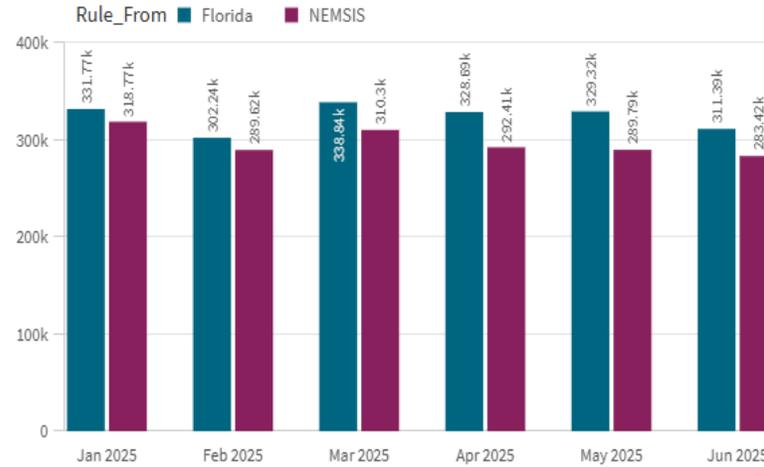| Rule_From | County | Strategic_Measure |

Definitions for the Dashboard

Warnings: A warning consists of a code and message that indicate a data rule violation, meaning some required information is missing in an ePCR record.

Types of Rules: Warnings are generated based on either Florida Rules or NEMSIS Rules (National Emergency Medical Services Information System). Both sets of rules apply to Florida's Data Dictionary.

Interpretation: Warning messages identify the data dictionary element that needs correction. Florida Warning Messages also include the affected element's code.
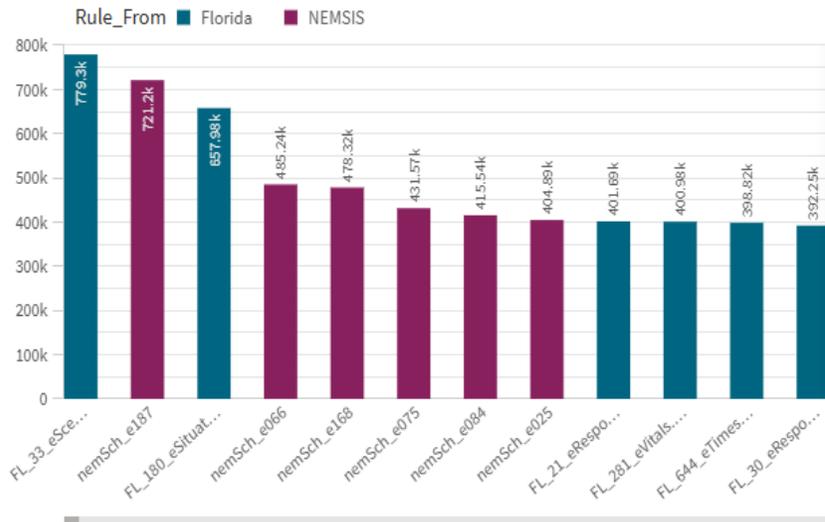
Note: A single ePCR record may contain multiple warnings.
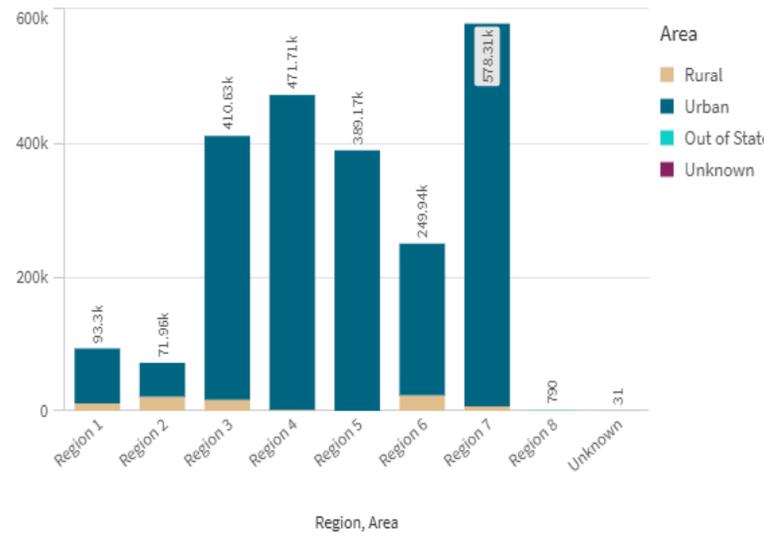
Number of Records per Warnings per Month

Rule_From ■ Florida ■ NEMSIS

Month	Florida	NEMSIS
Jan 2025	331.77k	318.77k
Feb 2025	302.24k	289.62k
Mar 2025	338.84k	310.3k
Apr 2025	328.69k	292.41k
May 2025	329.32k	289.79k
Jun 2025	311.39k	283.42k

Number of Records per Warning

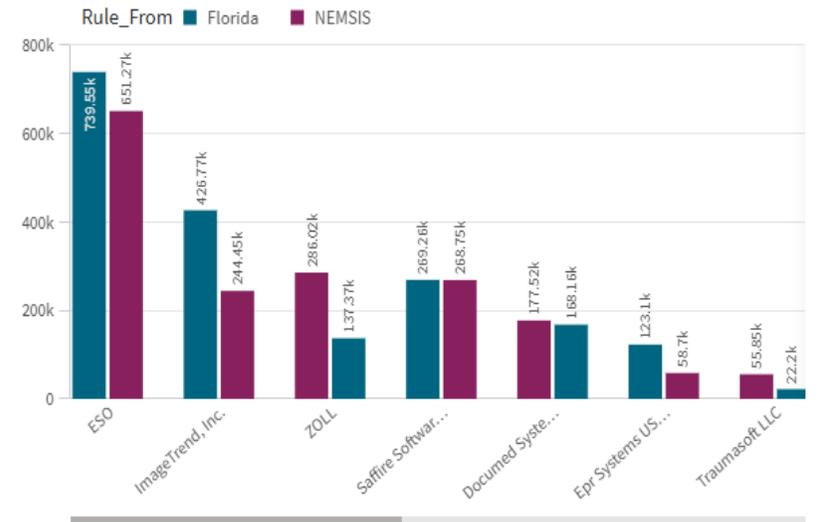| Warning_Code	Warning_Message	# of Records
Totals		2,265,850
FL_33_eScene.01	First EMS Unit on Scene (eScene.01) cannot equal a NOT Value when Unit Arrived on Scene (eTimes.06) has a date/time value.	779,297
nemSch_e187	Level of Care Provided per Protocol should be recorded (with a value other than "No Care Provided") when Patient Evaluation/Care is "Patient Evaluated and Care Provided".	721,198
FL_180_eSituation.01	Date/Time of Symptom Onset/Last Normal (eSituation.01) cannot equal a NOT Value when Primary Symptom (eSituation.09) has a value other than a NOT VALUE.	657,984
nemSch_e066	Primary Method of Payment should be recorded when Transport Disposition is "Transport by This EMS Unit...".	485,242
nemSch_e168	Final Patient Acuity should be recorded when Patient Evaluation/Care is "Patient Evaluated and Care Provided".	478,325
nemSch_e075	Date/Time of Symptom Onset should be recorded when Type of Service Requested is "Emergency Response (Primary Response Area)" and	431,572

Number of Records per Warning and Type of Rule

Rule_From ■ Florida ■ NEMSIS

Warning	Value
FL_33_eSce...	779.3k
nemSch_e187	721.2k
FL_180_eSituat...	657.98k
nemSch_e066	485.24k
nemSch_e168	478.32k
nemSch_e075	431.57k
nemSch_e084	415.54k
nemSch_e025	404.89k
FL_21_eRespo...	401.69k
FL_281_eVitals...	400.98k
FL_644_eTimes...	398.82k
FL_30_eRespo...	392.25k

Number of Warnings per Region

Area
- ■ Rural
- ■ Urban
- ■ Out of State
- ■ Unknown

Region	Value
Region 1	93.3k
Region 2	71.96k
Region 3	410.63k
Region 4	471.71k
Region 5	389.17k
Region 6	249.94k
Region 7	578.31k
Region 8	790
Unknown	31

Region, Area

Number of Warnings per Software and Type of Rule

Rule_From ■ Florida ■ NEMSIS

Software	Florida	NEMSIS
ESO	739.55k	651.27k
ImageTrend, Inc.	426.77k	244.45k
ZOLL	285.02k	137.37k
Saffire Softwar...	269.26k	268.75k
Documed Syste...	177.52k	168.16k
Epr Systems US...	123.1k	58.7k
Traumasoft LLC	55.85k	22.2k
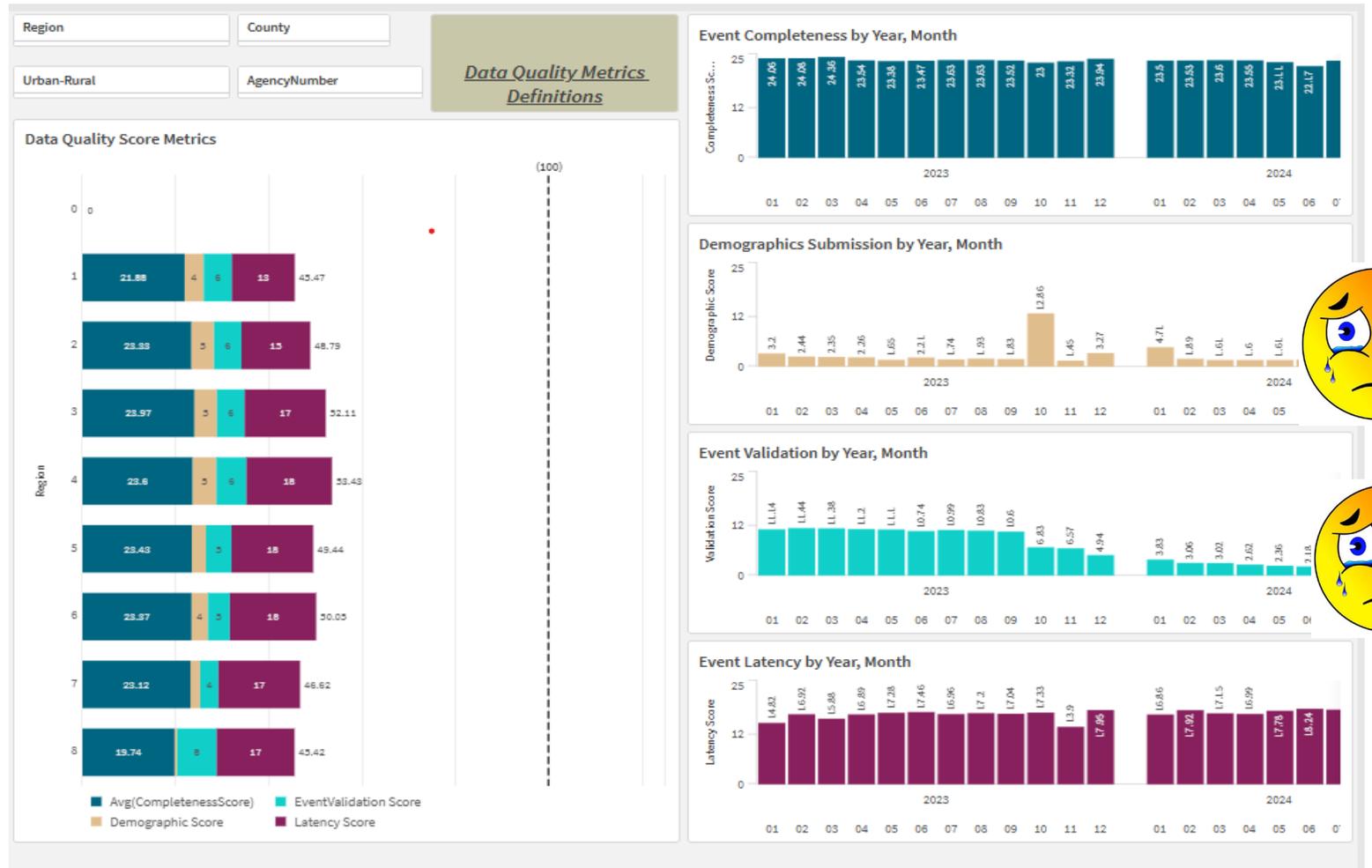
FY 24/25 OBJECTIVES

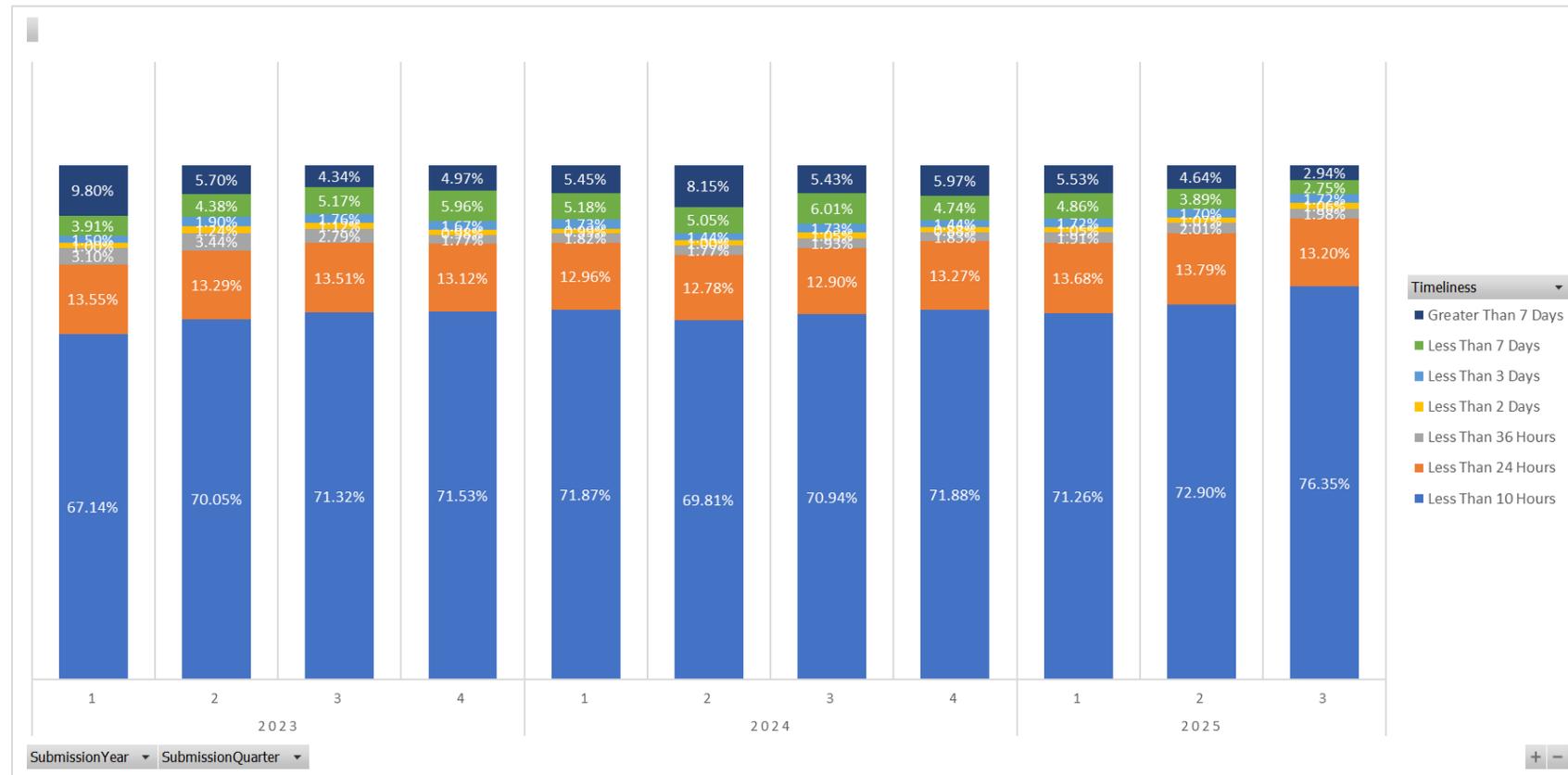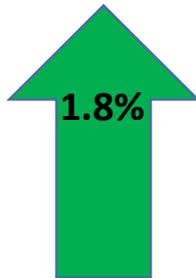# FY 24/25 OBJECTIVES

Timeliness

Increase % of V3 EMS emergency run reports received within 10 hours of the run to 97% by September 30, 2025

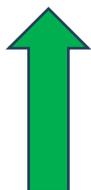**76.35%** ⬆ 1.8%

89.5% within 24Hr
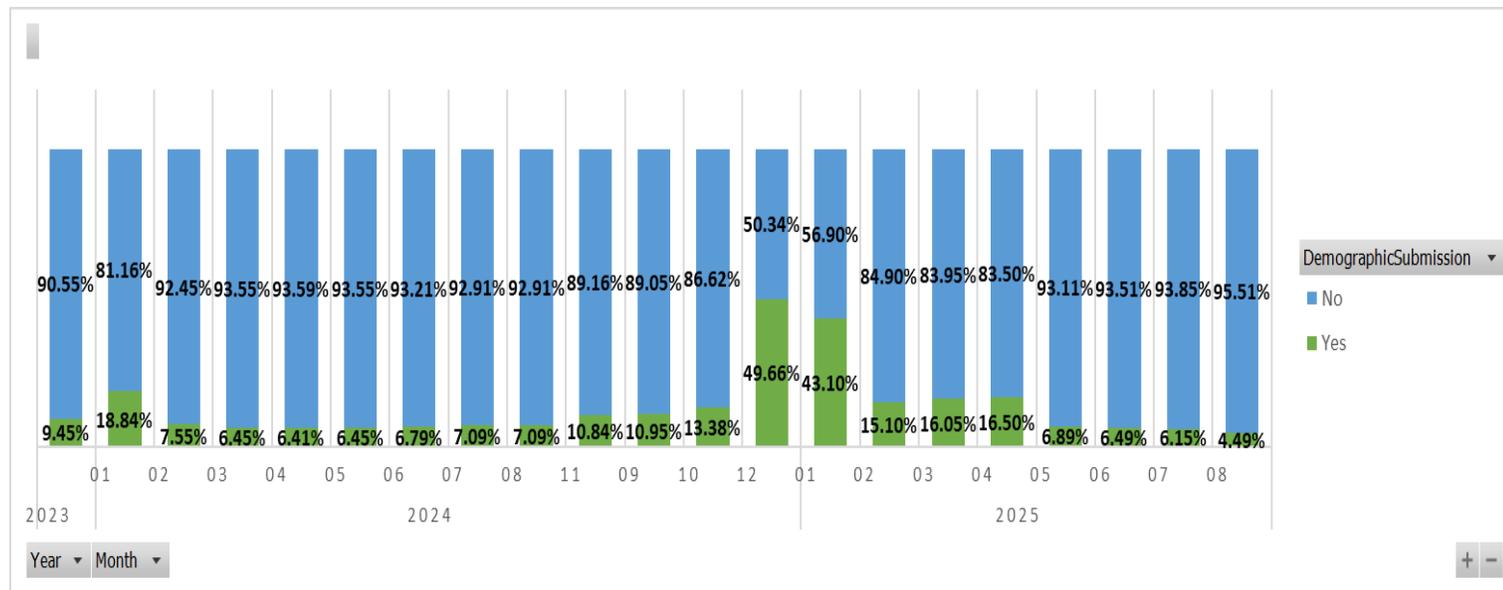
FY 24/25 Objectives

Timeliness

Increase % of agency Demographic records resubmissions received every 30 days to 60% by September 30, 2025

2/25   15.10%

3/25   16.05%

4/25   16.50%

5/25   6.8%

9/25   4.5%

✓ **Baseline – 8.92% as of 8/23**

✓ **Monitoring/Reporting on measurements – Move to 3.5 -10/23**

✓ **New submission policy 10/23**

FY 24/25 Objectives

Integration

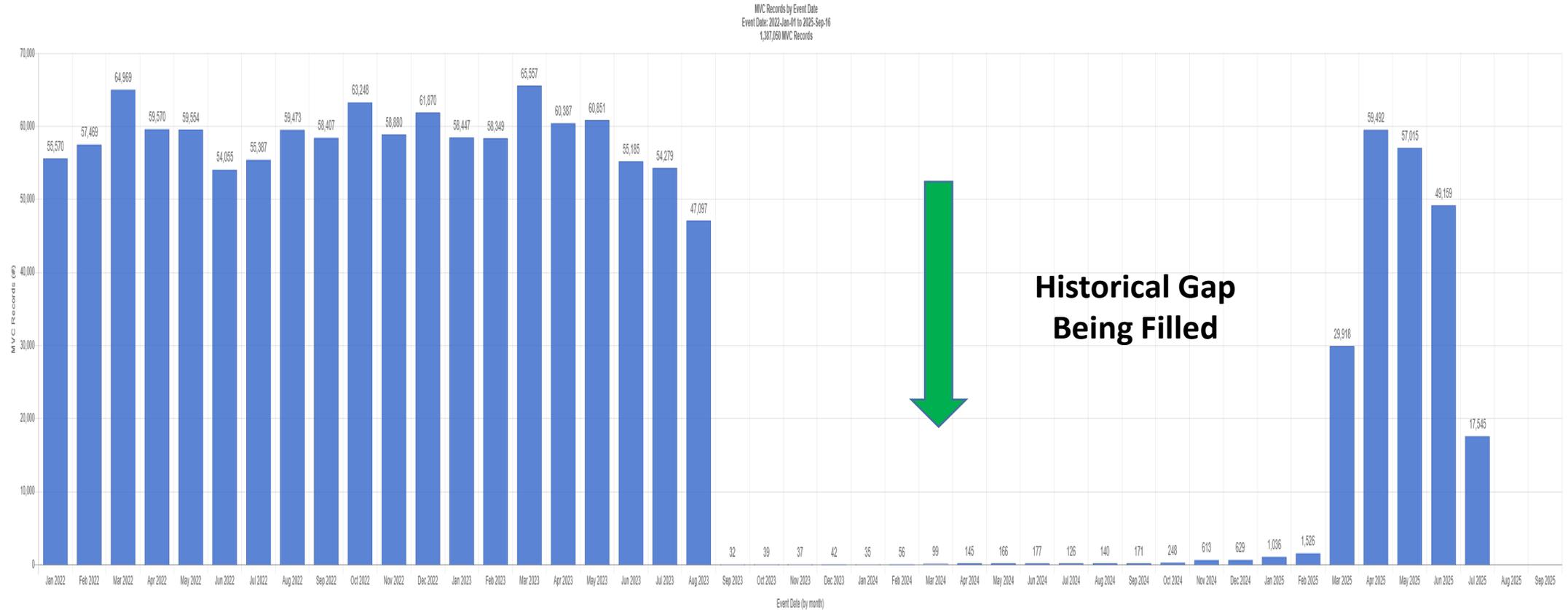**Link two additional data sources to the EMS state repository by September 30, 2025.**

Current integrations within Biospatial

- ✓ **Health Information Exchange**
- ✓ **Crash Records –** *history in progress*
- ✓ **ESSENSE Integration**
- ✓ **Trauma Data (no formal linkage)**
- ✓ **Florida Stroke Registry**
- ✓ **Cardiac Registry (CARES)**
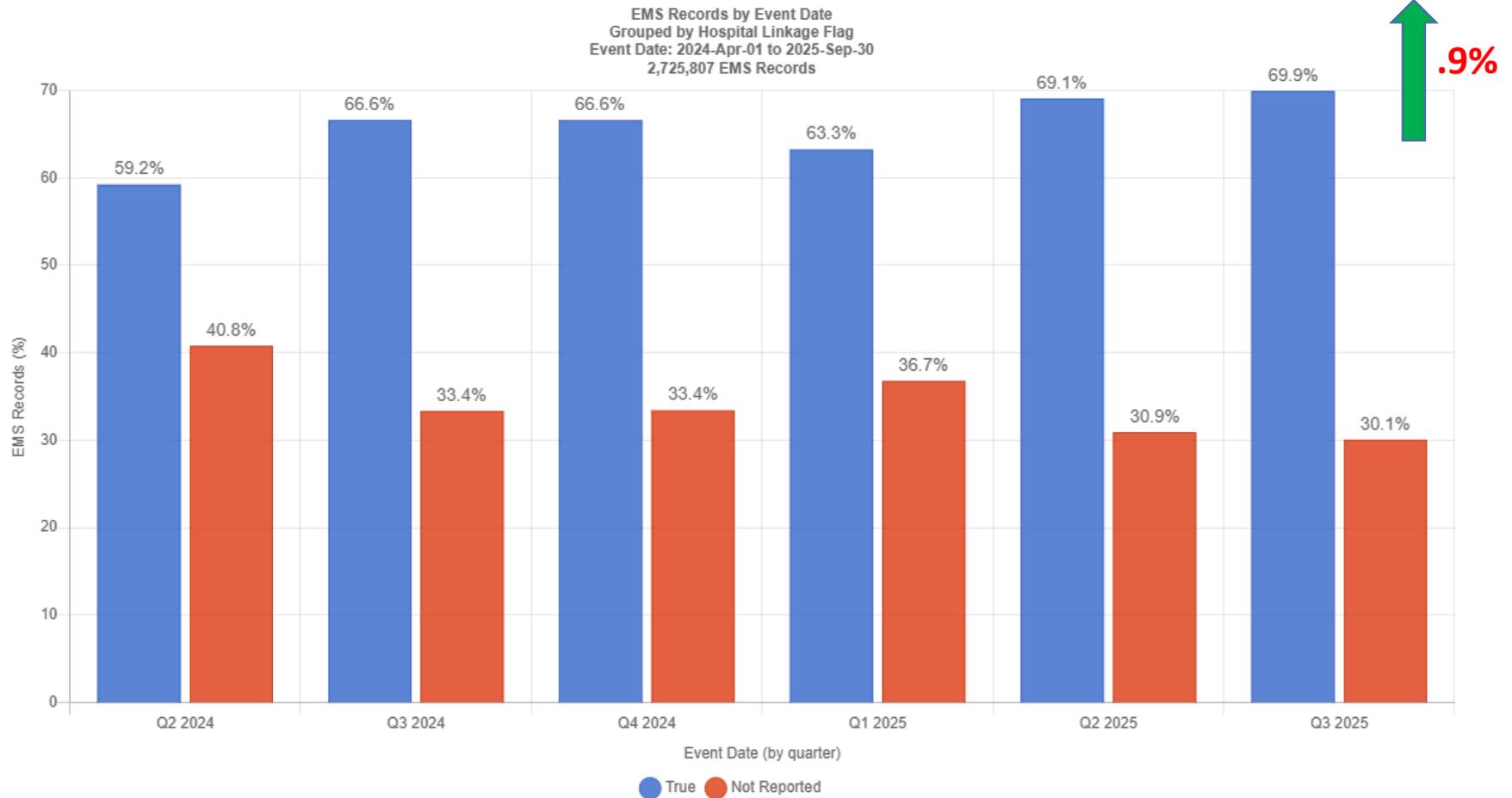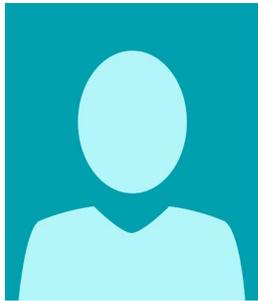
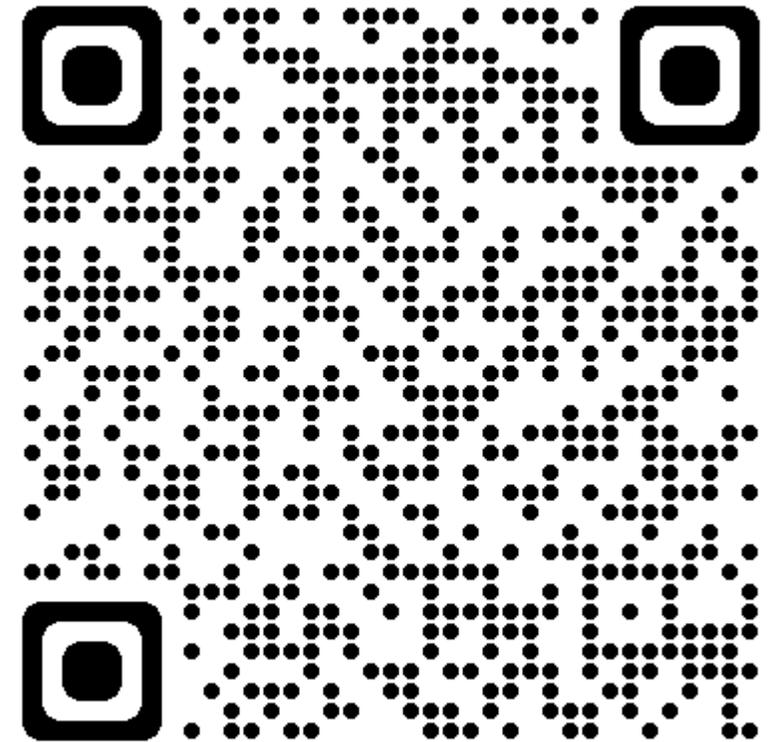- ▪ **Potential to integrate with Signal Four**

Motor Vehicle Crash Data

46

We appreciate your continued support.

Brenda Clotfelter

Data Unit / Bureau of

Emergency Medical Oversight

727-424-4530

Brenda.clotfelter@flhealth.gov

www.floridaemstars.com

Florida HEALTH

TRAFFIC AND CRIMINAL SOFTWARE (TRaCS) SUPPORT & ENHANCEMENT, AND TRAINING
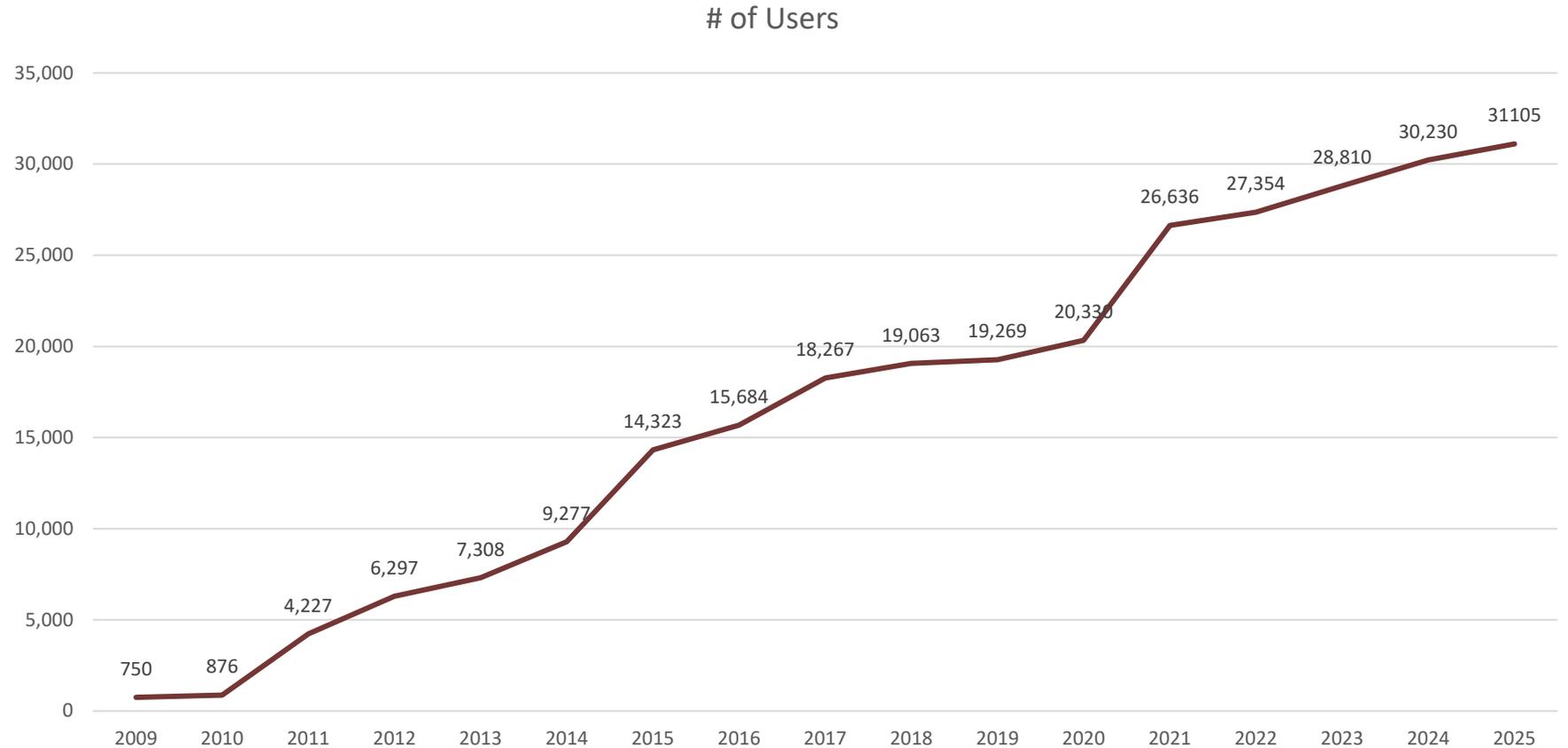
Florida State University

TRCC
DATA WHEN, WHERE, AND HOW YOU NEED IT

Traffic and Criminal Software (TraCS)

September 19, 2025

FAMU-FSU Engineering

TraCS Growth - Users

- Users
  - 2008: 750
  - 2025: 31,105

# of Users

TraCS Growth - Agencies

- Agencies
  - 2008: 12
  - 2025: 222

# of Agencies

FAMU-FSU Engineering
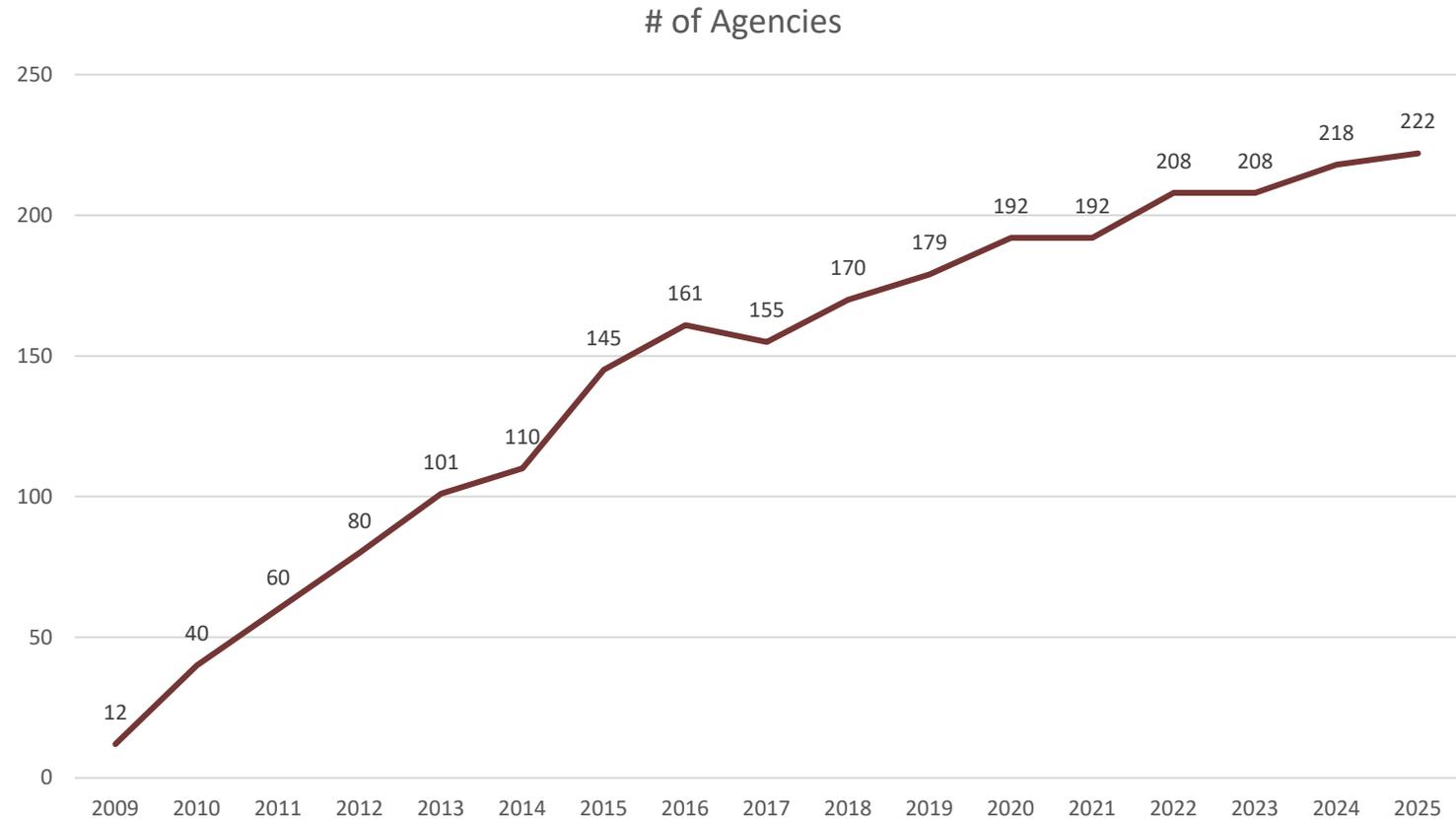
Objective: Accuracy

- FY24-25: 99.99% (Q3)
- To maintain the low number of load errors for crash reports submitted electronically to FLHSMV using TraCS at less than one percent.

FAMU-FSU
Engineering

Objective: Completeness

- FY24-25: 44% (Q3)

- To maintain or increase the total percentage of statewide **crash reports** submitted electronically by agencies using the TraCS Florida software.

  - **174,214** total submitted electronically in Q3.
  - Of these, TraCS submitted **76,356**.

FAMU-FSU
Engineering

Objective: Uniformity

- To improve uniformity in data collection methods.

# of Agencies by Form Type
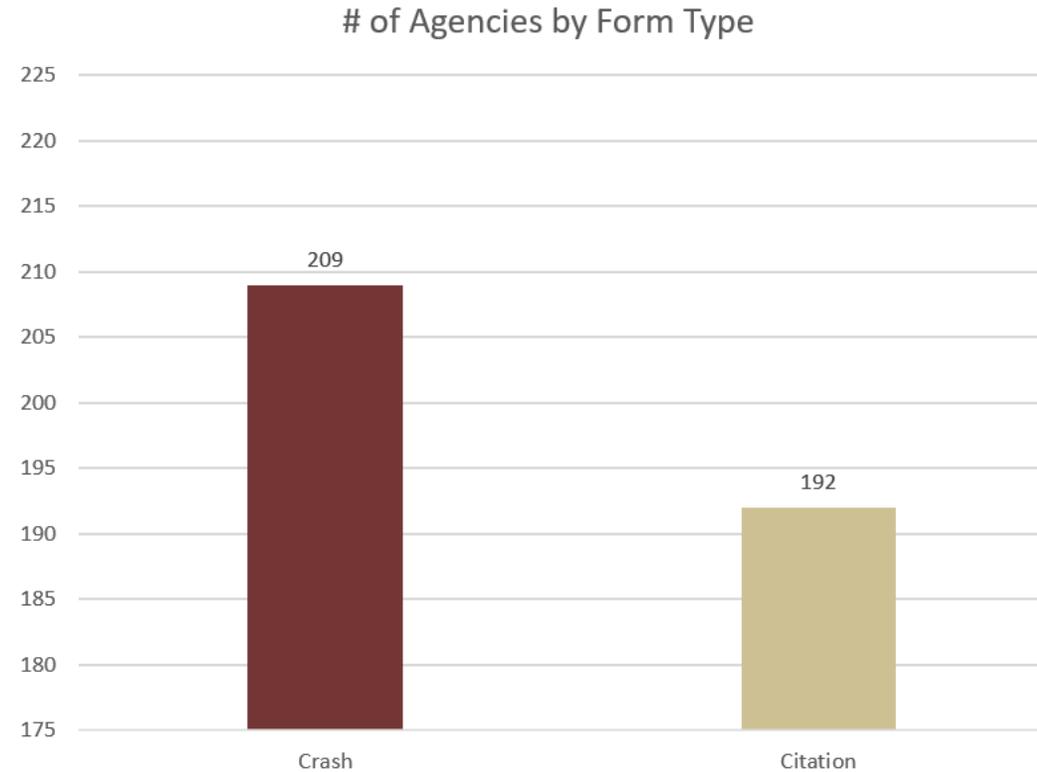
eCrash Submission Updates

- Cape Coral PD went live 1/21
- Davie PD went live 2/25
- Northwest Florida State College PD went live 4/1
- Springfield PD went live 4/8
- Parker PD went live 5/27
- Key West PD went live 6/9
- Surfside PD went live 7/30

FAMU-FSU
Engineering

eCitation Clerk Submission Updates

- Agencies are submitting paper in Broward & Escambia

- Plantation PD & Miramar PD:
  - 1st agencies in Broward County to go live with eCitation using TraCS by December 2025

FAMU-FSU
Engineering

Objective: Uniformity

Citation Transmission to FCCC by Agency	Count
Does not use UTC	30
N/A	15
NO	128
YES	48
YES - Nassau County Only (not Duval)	1
Grand Total	**222**

Objective: Integration

- To maintain the number of agencies using FCIC/NCIC interfaces.
  - All agencies use an FCIC/NCIC interface

TraCS-ELVIS Integration Use

32

192

■ Agencies Do Not Use ELVIS   ■ Agencies Do Use ELVIS
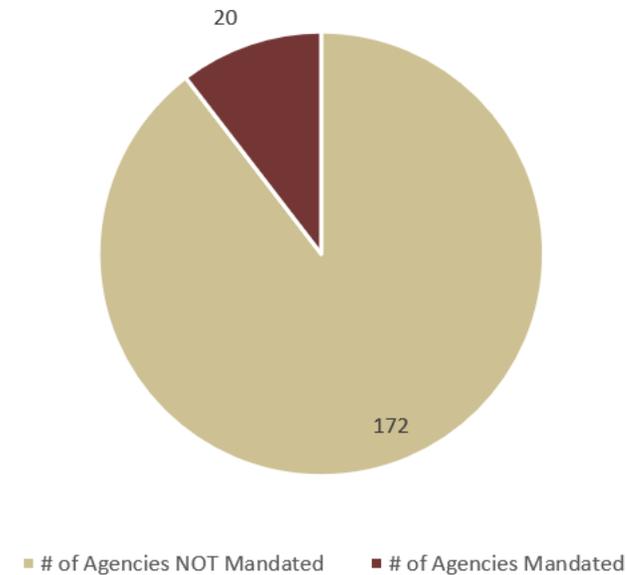
FAMU-FSU Engineering
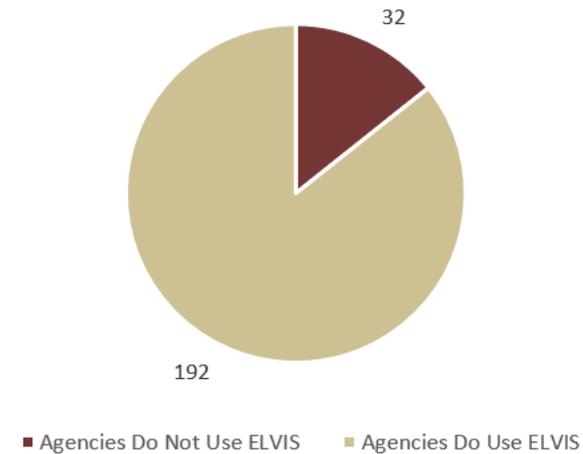
Objective: Integration

- To increase the number of TraCS agencies using a location tool to plot accidents on the crash form.
  - 13 agencies do not use our crash form
  - All agencies now have the mandate turned on.
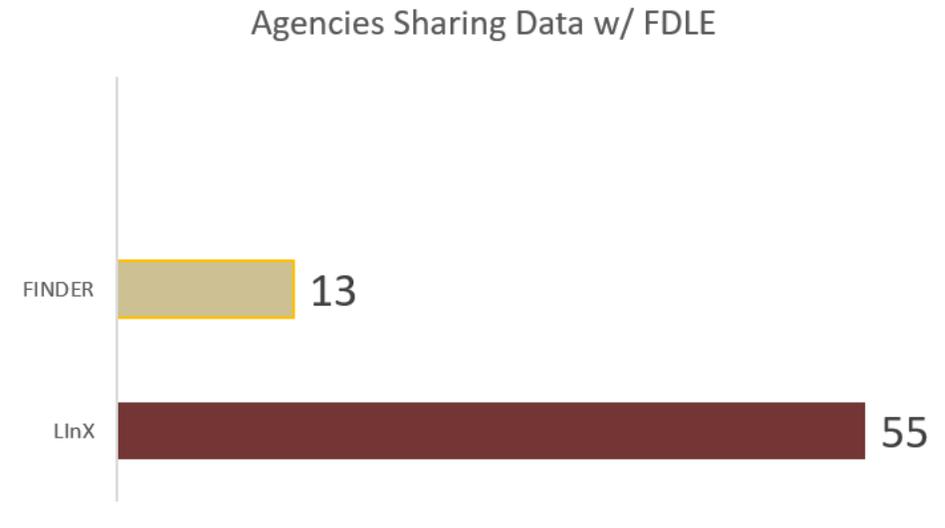
Objective: Integration

- To increase the number of TraCS agencies using a location tool on the citation form.

# of Agencies Mandated to Use
Signal 4 Location Tool on Citations

20

172

■ # of Agencies NOT Mandated   ■ # of Agencies Mandated

FAMU-FSU
Engineering

Objective: Integration

- Data sharing programs w/ FDLE

Agencies Sharing Data w/ FDLE

FINDER: 13

LInX: 55

Objective: Integration

To Date: 201 agencies using the Signal 4 Diagram Tool

96% of total agencies using crash use this tool for diagramming.

Objective: Accessibility

- To maintain a primary data hosting site
    - Hosting data for 200 agencies
    - 22 still self-hosted

FAMU-FSU
Engineering

Objective: Timeliness

- FY24-25 Q3: 7.3 days average

- To encourage TraCS agencies to maintain a low average delay between the initial crash date and the date on which the data is entered into state crash databases owned by FLHSMV.

Support: FY 24-25

- Support
  - Onboard new agencies
  - Continue support for existing agencies
  - Continue training new support person
  - Produce more YouTube training videos
  - Update Media Wiki page
  - Hold Webinars
  - Migrate citation transmission jobs to submit to the eCitation repository (FCCC)
  - Manage exports of data to respective repositories

Support: FY 24-25

- Support
  - **Data site migration: In-progress**
    - Equipment installed at NWRDC
    - All Databases migrated
    - All mission-critical servers migrated
    - Ancillary servers in-progress

FAMU-FSU
Engineering

Development: 24-25

- Development
  - Expedite any changes required by FLHSMV for crash and citation
    - Approved for new citation revision 5/2025 for Option 4 (increased to 8 elections in lifetime)
  - Continue to deploy Multi-Factor Authentication (MFA) with TraCS for end users: DUO, Microsoft Authenticator, Google Authenticator
  - Test IP filtering to block unwanted traffic directly through TraCS
  - Continue building an electronic signature interface for violators
  - Maintain/improve interfaces (location tool, diagram tool)
  - Maintain existing and develop new interfaces for FCIC/NCIC vendors
  - Maintain/improve web-based analysis reports (location tool usage, diagram tool usage)
  - Continue to provide patches and upgrades to the TraCS software
  - Go live in production w/ submitting arrest data to FDLE

FAMU-FSU
Engineering

Thank you for your continued support!

Amy Pontillo

Systems Architect

amyp@tracsflorida.org

850-509-2381

ELECTRONIC LICENSE AND VEHICLE INFORMATION SYSTEM (ELVIS)

Florida State University

Welcome!

Team Members
- Dr. Lisa Spainhour, Principal Investigator
- Zoe Williams, Program Manager
- Margaret Edwards, Systems Administrator
- Terryon Larkins, Support/Development

September 2025 Statistics

Current ELVIS Usage

- 296 Agencies (+2 agencies since June)

- 43,306 user accounts (+1,100 since June)

- 27,367,461 queries run this fiscal year

- Nearly 2.35M queries per month

  - Increase of ~76,000 queries per month over June numbers

FY24-25

- **Completeness and Uniformity**
  - As always, lots and lots of state parser fixes to keep up with changing state formats and ensure elements parse correctly from each state
- **Accuracy and Integration**
  - Integration with external crash and citation vendors to improve data accuracy continues to be expanded and improved
    - TraCS
    - Axon
    - Mark43
    - LexisNexis
    - FINDER
    - Others
- **Security Features**
  - Microsoft SSO and SAML Integration In Production
  - Many agencies switching to SSO and Duo from Grid Cards
  - SSO Integration allows for additional Two-Factor options like Microsoft Authenticator

- **Accessibility**
  - Added 2 new agencies since June meeting
  - 1,100 new user accounts
  - Increase of approx. 76,000 queries per month since last TRCC meeting
  - Evaluating future hardware requirements based on continuing increase in usage and current limitations
  - Average FY up-time is 99.83% averaged over the current fiscal year
  - Attended FDLE CJIS Symposium in July
  - Attended Traffic Safety Challenge Awards in July
  - Hosted Annual User Forum in Tampa in August

- **Upcoming Changes**
  - Adding additional two-factory security methods for CJIS
  - Adding new training materials
  - Making UI Improvements
  - Looking ahead to ELVIS 2.0
    - Includes major UI overhaul
    - Additional security features and user management
    - Will be designed to handle higher query volume

ELVIS Usage over time, 2016-Present

Law Enforcement Agencies
- 1/2016: 39
- 9/2025: 296

User Accounts
- 1/2016: 3,667
- 9/2025: 43,306

ELVIS AGENCIES

39, 68, 100, 134, 154, 191, 203, 217, 229, 247, 270, 286, 296

Jan-16, Jun-16, Nov-16, Apr-17, Sep-17, Feb-18, Jul-18, Dec-18, May-19, Oct-19, Mar-20, Aug-20, Jan-21, Jun-21, Nov-21, Apr-22, Sep-22, Feb-23, Jul-23, Dec-23, May-24, Oct-24, Mar-25, Aug-25

ELVIS USERS

3,667, 9,699, 12,452, 15,483, 18,114, 21,046, 25,032, 31,059, 36,502, 43,306

Jan-16, Jun-16, Nov-16, Apr-17, Sep-17, Feb-18, Jul-18, Dec-18, May-19, Oct-19, Mar-20, Aug-20, Jan-21, Jun-21, Nov-21, Apr-22, Sep-22, Feb-23, Jul-23, Dec-23, May-24, Oct-24, Mar-25, Aug-25

ELVIS Cost per User

FY24-25 Total Funding Request: $633,00

Total users (as of 6/25/25): 43,306

Avg. Cost per User per Year: $14.61

ELVIS APPROX. COST PER USER 2016-PRESENT

$150, $89, $54, $51, $42, $33, $29, $26, $20, $18, $17, $15, $15

Jan-16, Jun-16, Nov-16, Apr-17, Sep-17, Feb-18, Jul-18, Dec-18, May-19, Oct-19, Mar-20, Aug-20, Jan-21, Jun-21, Nov-21, Apr-22, Sep-22, Feb-23, Jul-23, Dec-23, May-24, Oct-24, Mar-25
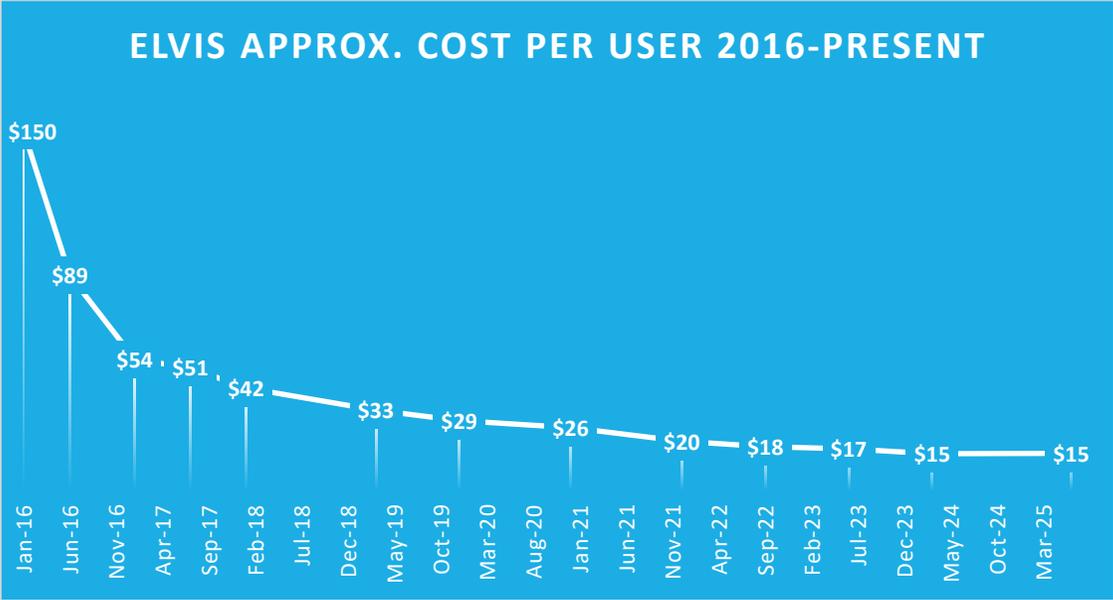
Thank You

QUESTIONS?

EXPANDING ACCESSIBILITY, UTILIZATION, AND DATA INTEGRATION OF SIGNAL FOUR ANALYTICS

University of Florida

TRCC
DATA WHEN, WHERE, AND HOW YOU NEED IT

Signal4 Updates for TRCC September 2025

Ilir Bejleri

Signal4 Lab, Geoplan Center

University of Florida

Traffic Records Coordinating Committee Quarterly Meeting
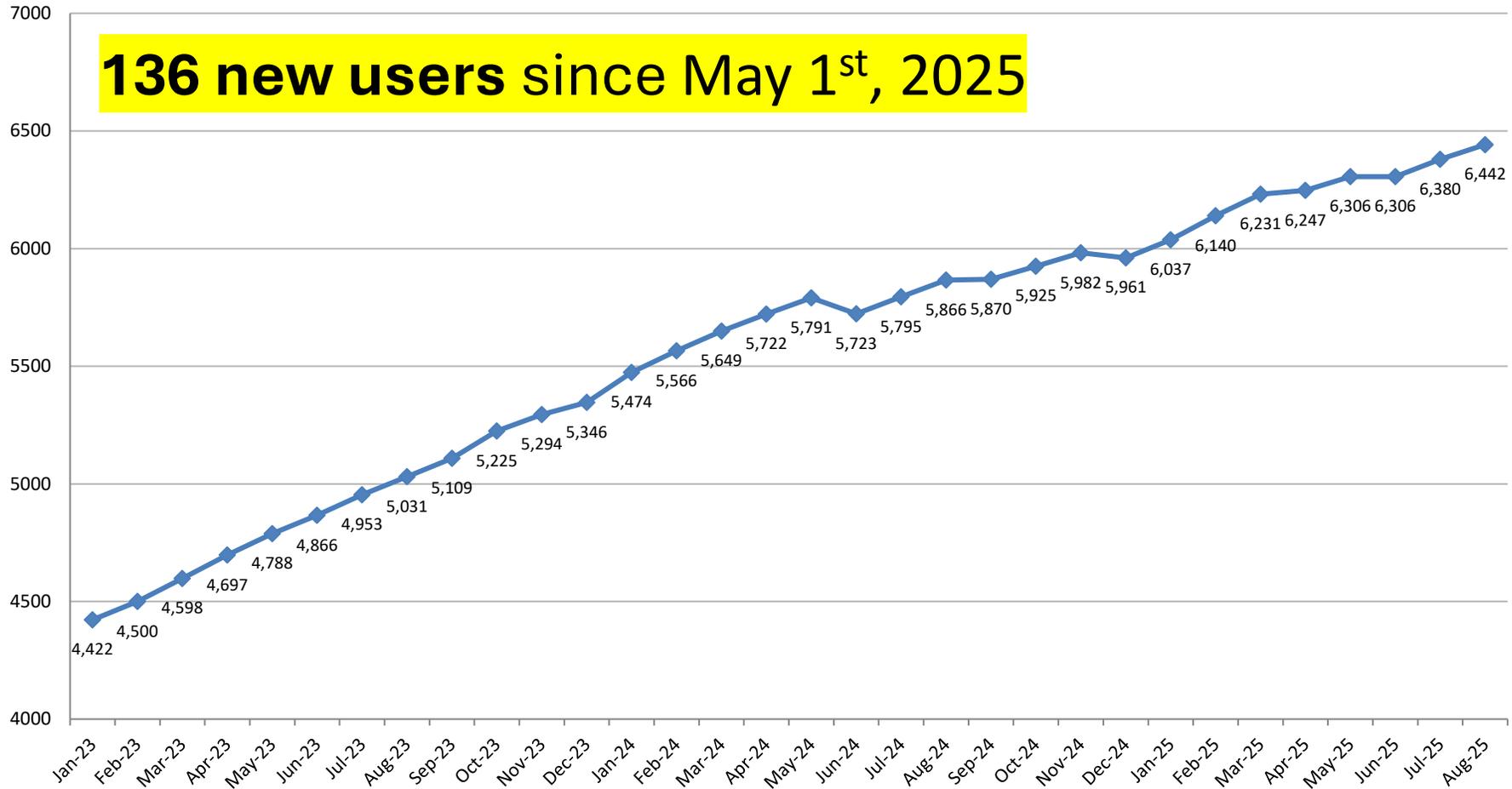
September 19, 2025 - Tallahassee, FL

Projects

- **Signal4 Analytics** (Expanding Accessibility, Utilization, and Data Integration of Signal4 Analytics)

- **Signal4 Geolocation & Diagram** (Geolocation and Crash Diagramming to Improve Crash Data Location, Timeliness, and Quality)
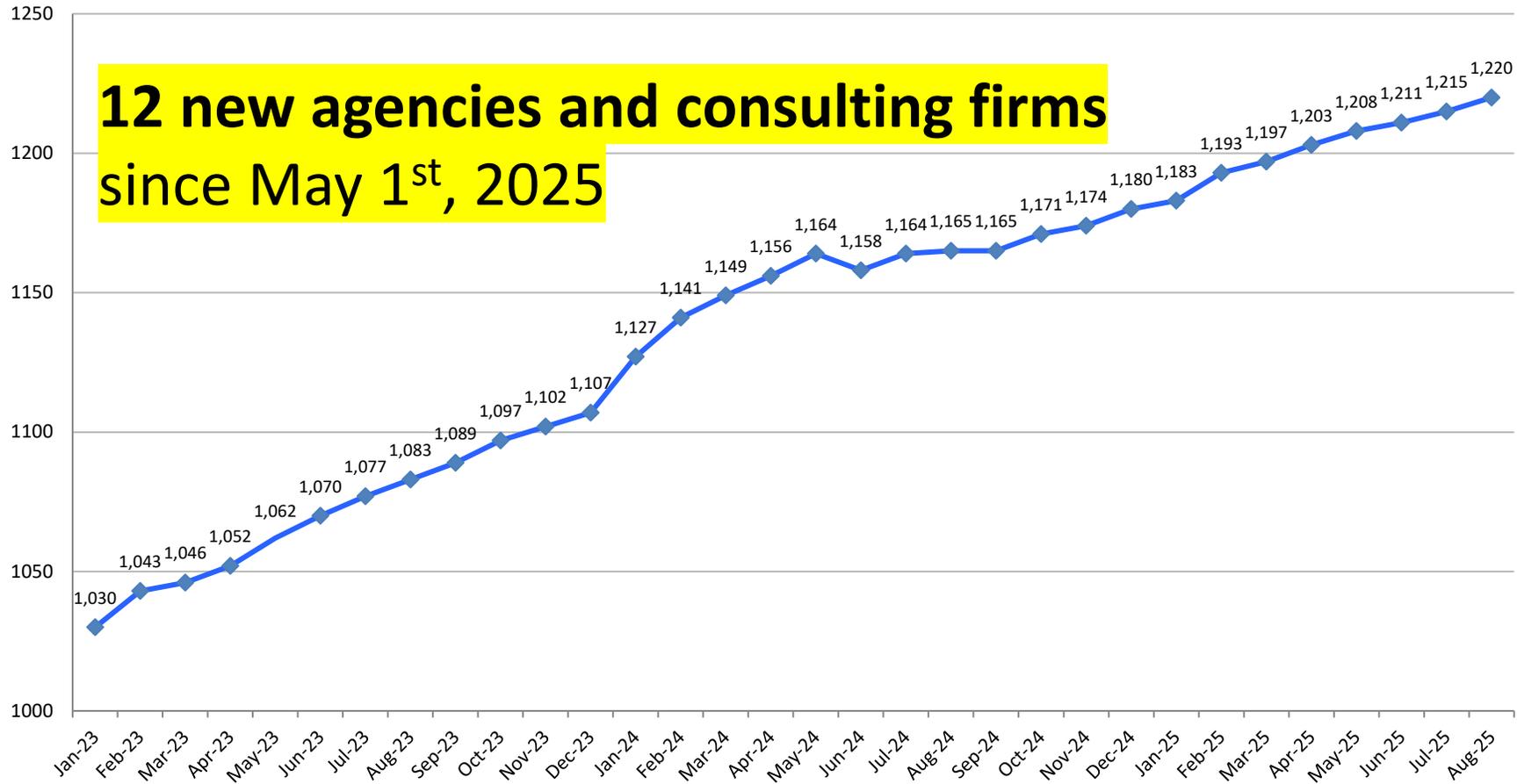
Signal4 Analytics
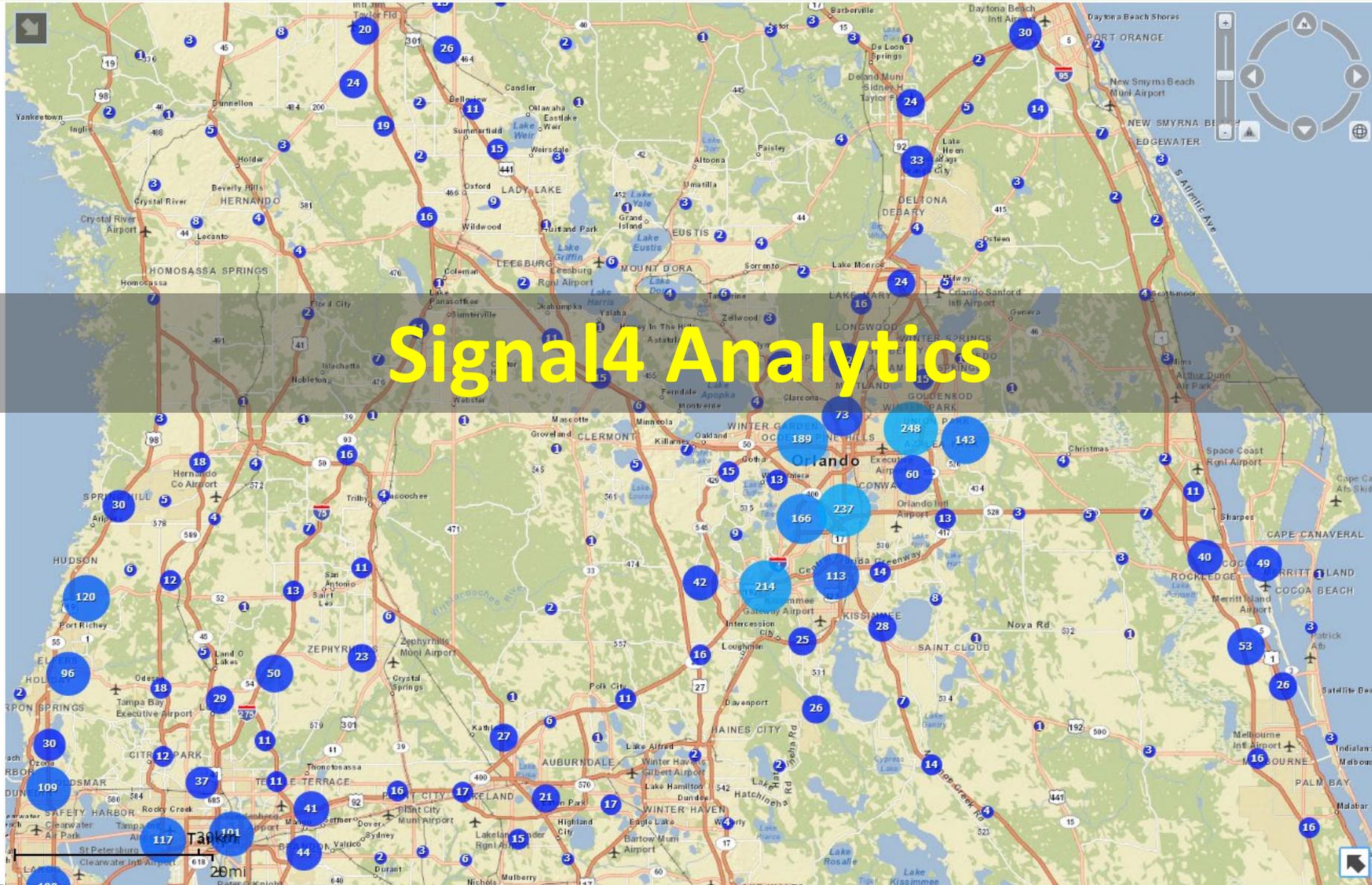
Objectives

- **Accessibility**
- **Integration**
  – Crash
  – Citation
  – Roadway
- **Utilization**

User Growth

136 new users since May 1st, 2025

Data points:
- Jan-23: 4,422
- Feb-23: 4,500
- Mar-23: 4,598
- Apr-23: 4,697
- May-23: 4,788
- Jun-23: 4,866
- Jul-23: 4,953
- Aug-23: 5,031
- Sep-23: 5,109
- Oct-23: 5,225
- Nov-23: 5,294
- Dec-23: 5,346
- Jan-24: 5,474
- Feb-24: 5,566
- Mar-24: 5,649
- Apr-24: 5,722
- May-24: 5,791
- Jun-24: 5,723
- Jul-24: 5,795
- Aug-24: 5,866
- Sep-24: 5,870
- Oct-24: 5,925
- Nov-24: 5,982
- Dec-24: 5,961
- Jan-25: 6,037
- Feb-25: 6,140
- Mar-25: 6,231
- Apr-25: 6,247
- May-25: 6,306
- Jun-25: 6,306
- Jul-25: 6,380
- Aug-25: 6,442

Agencies & Firms Growth

12 new agencies and consulting firms since May 1st, 2025
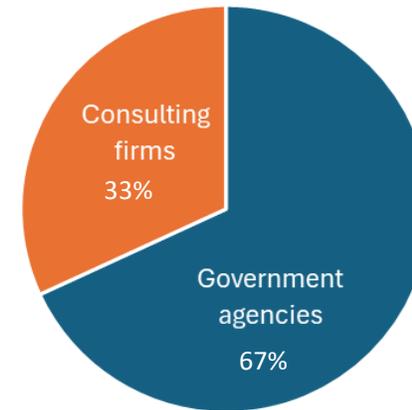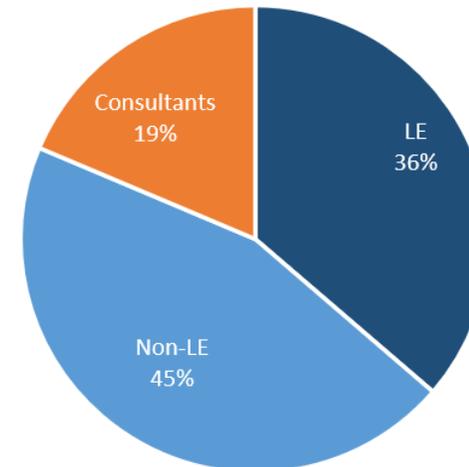
Agencies and Users to Date

Agencies and firms: **1,220**

– Government agencies: **818**

– Consulting firms: **402**

Users: **6,442**

– LE: **2,312**
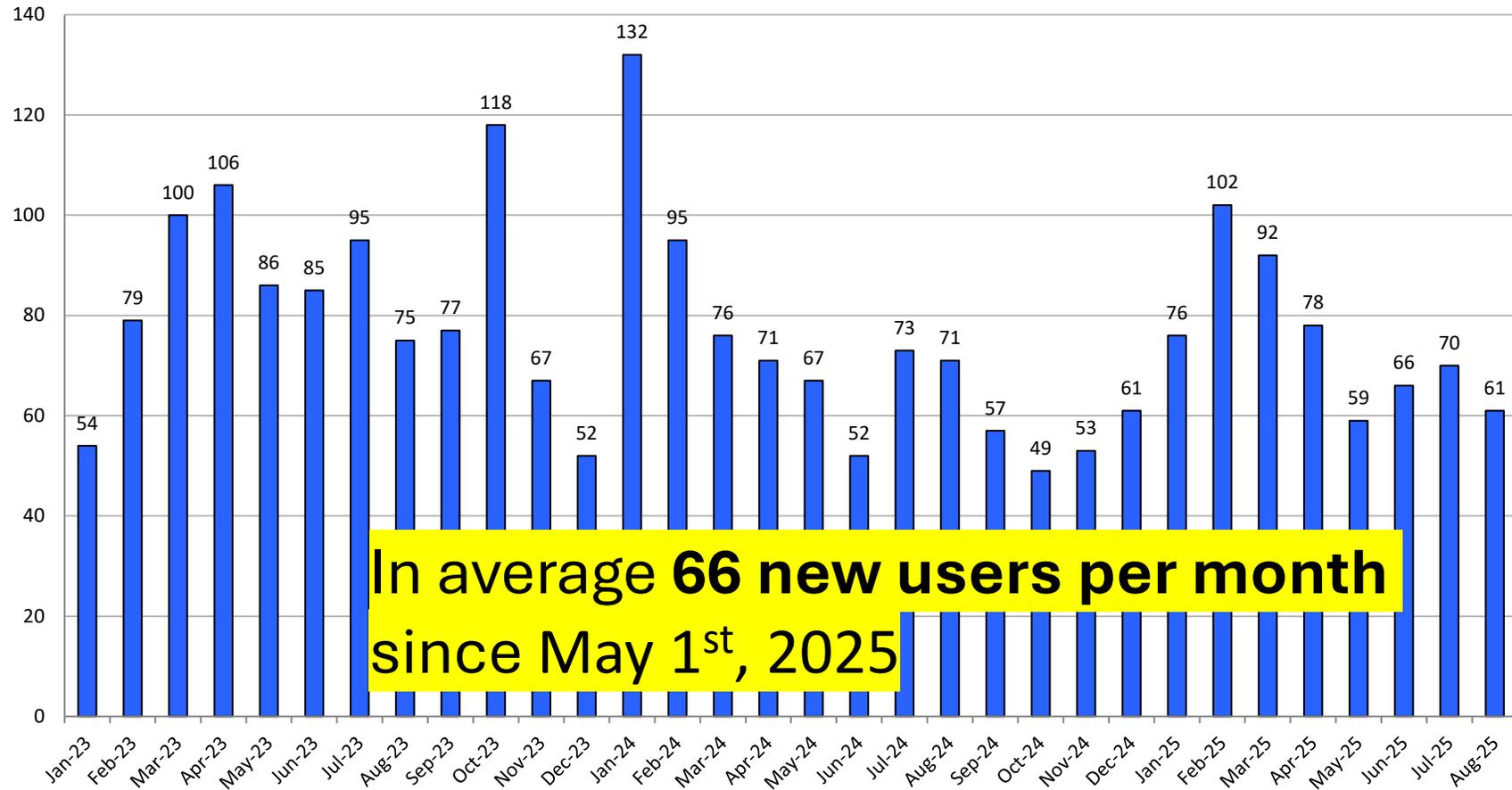
– Gov. non-LE: **2,913**

– Consultants: **1,217**

New Users By Month

In average **66 new users per month** since May 1st, 2025

Queries/Reports by Month

In average, about **20,500 queries/report per month** since May 1st, 2025
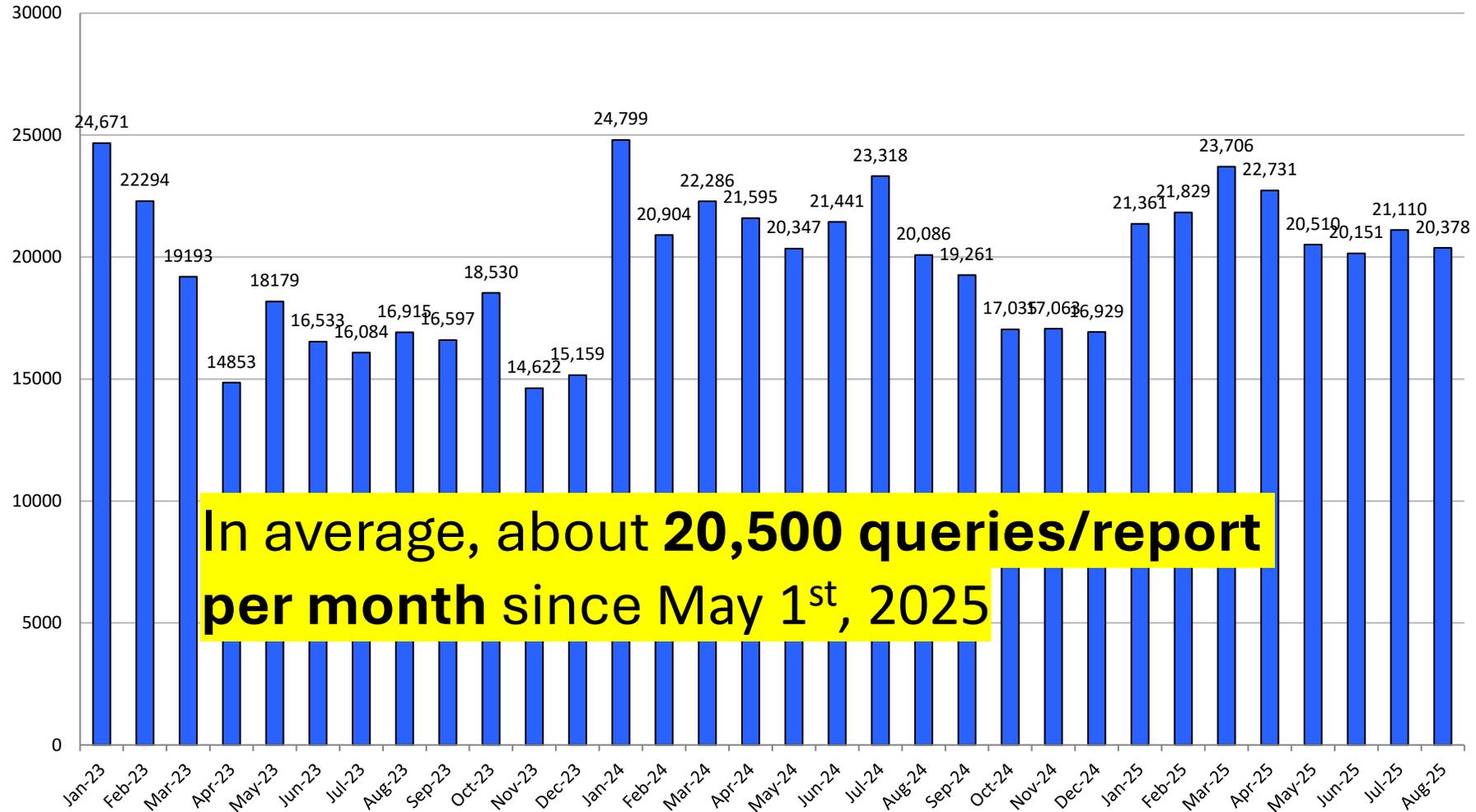
Public Dashboard Pageviews by Month

In average, about **8,700 views per month** since May 1st, 2025
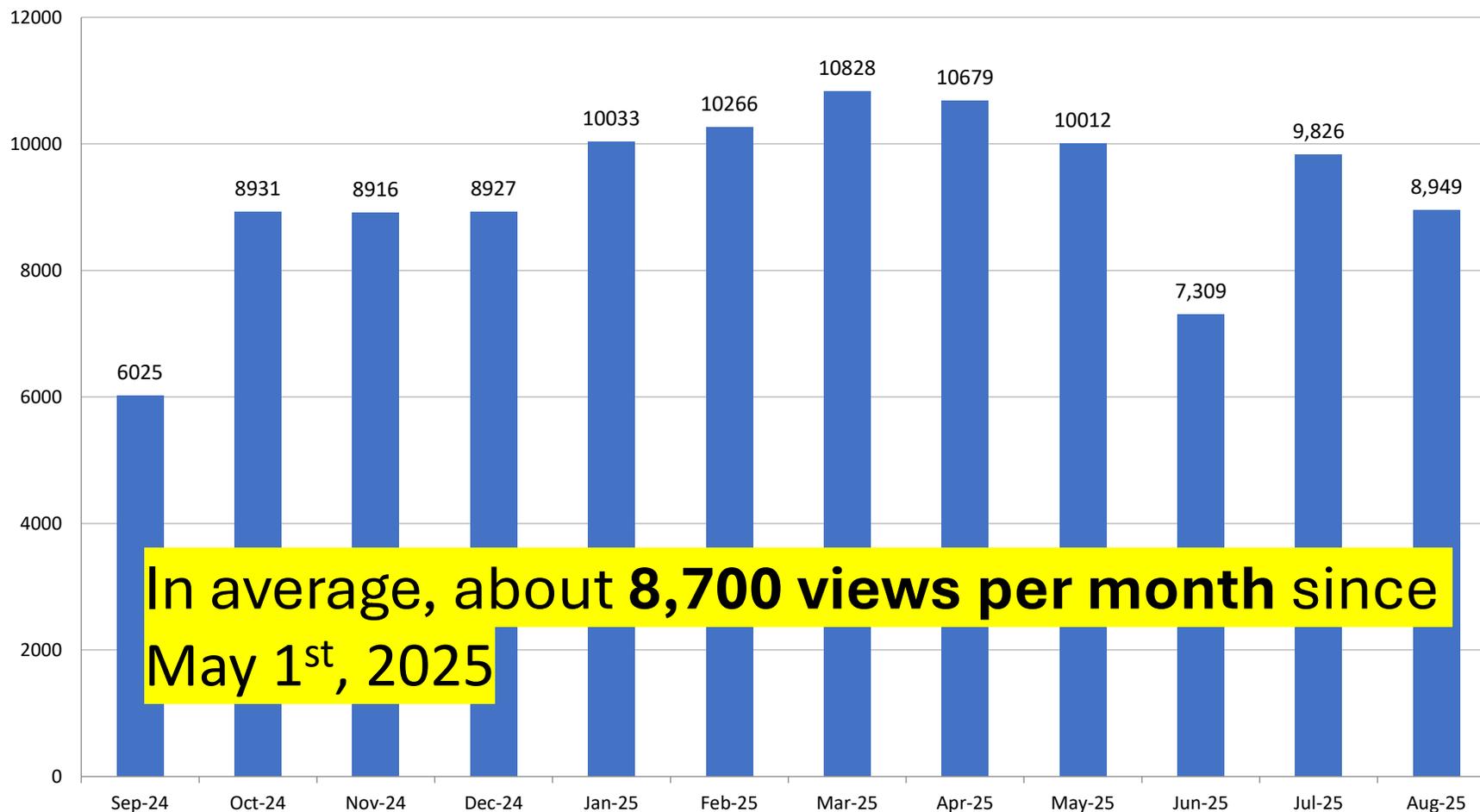
Source: Elastics. Unique Pageview: Number of sessions that the page is viewed at least once.

Main Activities

- Daily loading, monitoring and support

- User management

- Updating batch geocoding

- Citation data download completed

Citation Data Download

Citation Fields Downloaded

- Citation Number
- Issuing Agency
- Offense Date
- City Name
- County Name
- Statue
- Violation Code

- Violation Class
- Violation Type
- Violation Description
- Driver Gender
- Driver Age
- Latitude
- Longitude

Citation Fields Downloaded (cont.)

- Crash Involved (Y/N)
- HSMV Report Number
- Agency Report Number

Sample downloaded

CITATION_NUMBER	ISSUING_AGENCY	OFFENSE_DATE	CITY_NAME	COUNTY_NAME	STATUTE	VIOLATION_CODE	VIOLATION_CLASS	VIOLATION_TYPE
AM773DE	Palm Beach County She	9/11/2025 0:00	West Palm Beach	Palm Beach	316075-1C1A	545	Non-Criminal (Moving)	Ran Red Light
AM773TE	Palm Beach County She	9/12/2025 0:00	West Palm Beach	Palm Beach	316075-1C1	545	Non-Criminal (Moving)	Ran Red Light
AM774AE	Palm Beach County She	9/12/2025 0:00	West Palm Beach	Palm Beach	316075-1C1	545	Non-Criminal (Moving)	Ran Red Light
AM76IZE	Palm Beach County She	9/10/2025 0:00	West Palm Beach	Palm Beach	316075-1C1	546	Non-Criminal (Moving)	Fail to Yield Right of Way
AM76Z3E	Palm Beach County She	9/11/2025 0:00	West Palm Beach	Palm Beach	316075-1C1	546	Non-Criminal (Moving)	Fail to Yield Right of Way
AM771PE	Palm Beach County She	9/11/2025 0:00	West Palm Beach	Palm Beach	316075-1C1	546	Non-Criminal (Moving)	Fail to Yield Right of Way
AM77GWE	Palm Beach County She	9/14/2025 0:00	West Palm Beach	Palm Beach	316075-1C1	547	Non-Criminal (Moving)	Red Light Camera
AM777FE	Palm Beach County She	9/12/2025 0:00	West Palm Beach	Palm Beach	316075-1C1	547	Non-Criminal (Moving)	Red Light Camera
AM77AGE	Palm Beach County She	9/13/2025 0:00	West Palm Beach	Palm Beach	316155-2	551	Non-Criminal (Moving)	Other MOV
AM77AUE	Palm Beach County She	9/13/2025 0:00	West Palm Beach	Palm Beach	316155-2	551	Non-Criminal (Moving)	Other MOV
AM77B6E	Palm Beach County She	9/13/2025 0:00	West Palm Beach	Palm Beach	316155-1	551	Non-Criminal (Moving)	Other MOV
AM77EWE	Palm Beach County She	9/14/2025 0:00	West Palm Beach	Palm Beach	316155-2	551	Non-Criminal (Moving)	Other MOV
AM77FDE	Palm Beach County She	9/14/2025 0:00	West Palm Beach	Palm Beach	316155-2	551	Non-Criminal (Moving)	Other MOV
AM778CE	Palm Beach County She	9/12/2025 0:00	West Palm Beach	Palm Beach	316155-1	551	Non-Criminal (Moving)	Other MOV
AM773RE	Palm Beach County She	9/12/2025 0:00	West Palm Beach	Palm Beach	316183-1	572	Non-Criminal (Moving)	Speed too Fast for Conditi
AM0KMBE	Palm Beach County She	9/12/2025 0:00	West Palm Beach	Palm Beach	316183-2	575	Non-Criminal (Moving)	Spd Post Zone
AM76IVE	Palm Beach County She	9/10/2025 0:00	West Palm Beach	Palm Beach	316183-2	575	Non-Criminal (Moving)	Spd Post Zone
AM76IYE	Palm Beach County She	9/10/2025 0:00	West Palm Beach	Palm Beach	316183-2	575	Non-Criminal (Moving)	Spd Post Zone
AM76J2E	Palm Beach County She	9/10/2025 0:00	Greenacres	Palm Beach	316183-2	575	Non-Criminal (Moving)	Spd Post Zone
AM76J6E	Palm Beach County She	9/10/2025 0:00	West Palm Beach	Palm Beach	316183-2	575	Non-Criminal (Moving)	Spd Post Zone
AM76J7E	Palm Beach County She	9/10/2025 0:00	West Palm Beach	Palm Beach	316187-3	575	Non-Criminal (Moving)	Spd Post Zone
AM76J9E	Palm Beach County She	9/10/2025 0:00	West Palm Beach	Palm Beach	316187-3	575	Non-Criminal (Moving)	Spd Post Zone
AM76JBE	Palm Beach County She	9/10/2025 0:00	West Palm Beach	Palm Beach	316187-3	575	Non-Criminal (Moving)	Spd Post Zone

Sample downloaded

VIOLATION_TYPE	VIOLATION_DESCRIPTION	DRIVER_GENDER	DRIVER_AGE	CRASH_INVOLVED	HSMV_REPORT_NUMBER	AGENCY_REPORT_NUMBER	LATITUDE	LONGITUDE
Ran Red Light	Fail to Obey Steady Red Indication	M	42	N			26.40639032	-80.20378803
Ran Red Light	Fail to Obey Steady Red Indication	M	49	N				
Fail to Yield Right of Way	Fail Yield Rt of Way 316.075(1)(C) 1	F	24	N			26.70316297	-80.09545433
Fail to Yield Right of Way	Fail Yield Rt of Way 316.075(1)(C) 1	M	31	N			26.72132654	-80.11060916
Fail to Yield Right of Way	Fail Yield Rt of Way 316.075(1)(C) 1	M	52	N			26.80824555	-80.08383018
Red Light Camera	316.0083 Red Light Camera	M	24	N				
Red Light Camera	316.0083 Red Light Camera	M	36	Y	27551605	25096278		
Other MOV	Fail Sig For Direction or Slowing	M	25	N				
Other MOV	Fail Sig For Direction or Slowing	M	32	N			26.6791754	-80.15814406
Other MOV	Fail Sig For Direction or Slowing	M	47	N			26.76488148	-80.31750556
Other MOV	Fail Sig For Direction or Slowing	M	24	N			26.70739674	-80.13192223
Other MOV	Fail Sig For Direction or Slowing	M	55	N				
Other MOV	Fail Sig For Direction or Slowing	M	31	N				
Speed too Fast for Conditi	Driv Too Fast For Conditions	M	37	N			26.69299764	-80.24440827
Spd Post Zone	Unlawful Speed	F	67	N				
Spd Post Zone	Unlawful Speed	M	27	N			26.33693181	-80.12872167
Spd Post Zone	Unlawful Speed	F	25	N				
Spd Post Zone	Unlawful Speed	M	25	N				
Spd Post Zone	Unlawful Speed	M	51	N			26.6637132	-80.20308163
Spd Post Zone	Unlawful Speed	M	51	N			26.57231672	-80.17268333
Spd Post Zone	Unlawful Speed	F	40	N				
Spd Post Zone	Unlawful Speed	M	48	N			26.57242518	-80.17366845

Questions/Comments ?

Signal4 Analytics

GEOLOCATION & CRASH DIAGRAMMING TO IMPROVE CRASH DATA LOCATION TIMELINESS AND QUALITY

University of Florida

TRCC
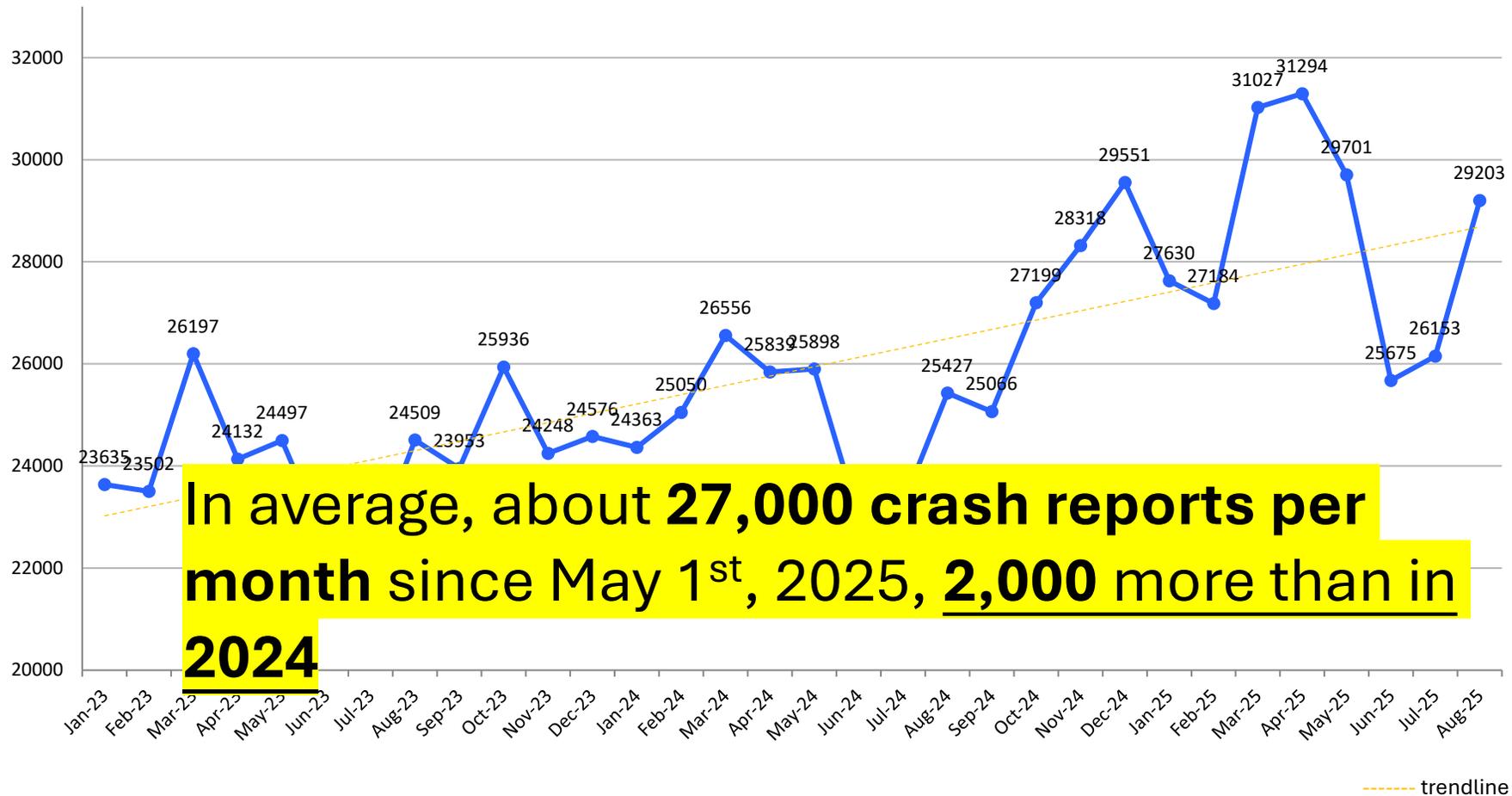DATA WHEN, WHERE, AND HOW YOU NEED IT

Geolocation & Diagram

Objectives

- Improve the overall **accuracy**, **consistency** and **integrity** of crash reports statewide

- Tie **crashes** and **citations** to the FDOT **roadway** information (RCI)

- Addresses all **6 NHTSA's** crash location **data quality attributes**: timeliness, accuracy, completeness, uniformity, integration, accessibility

- Benefits **beyond data**

  - Save time, reduce burden and improve reporting efficiency

  - Help **agencies** – less IT need, no installation, no cost

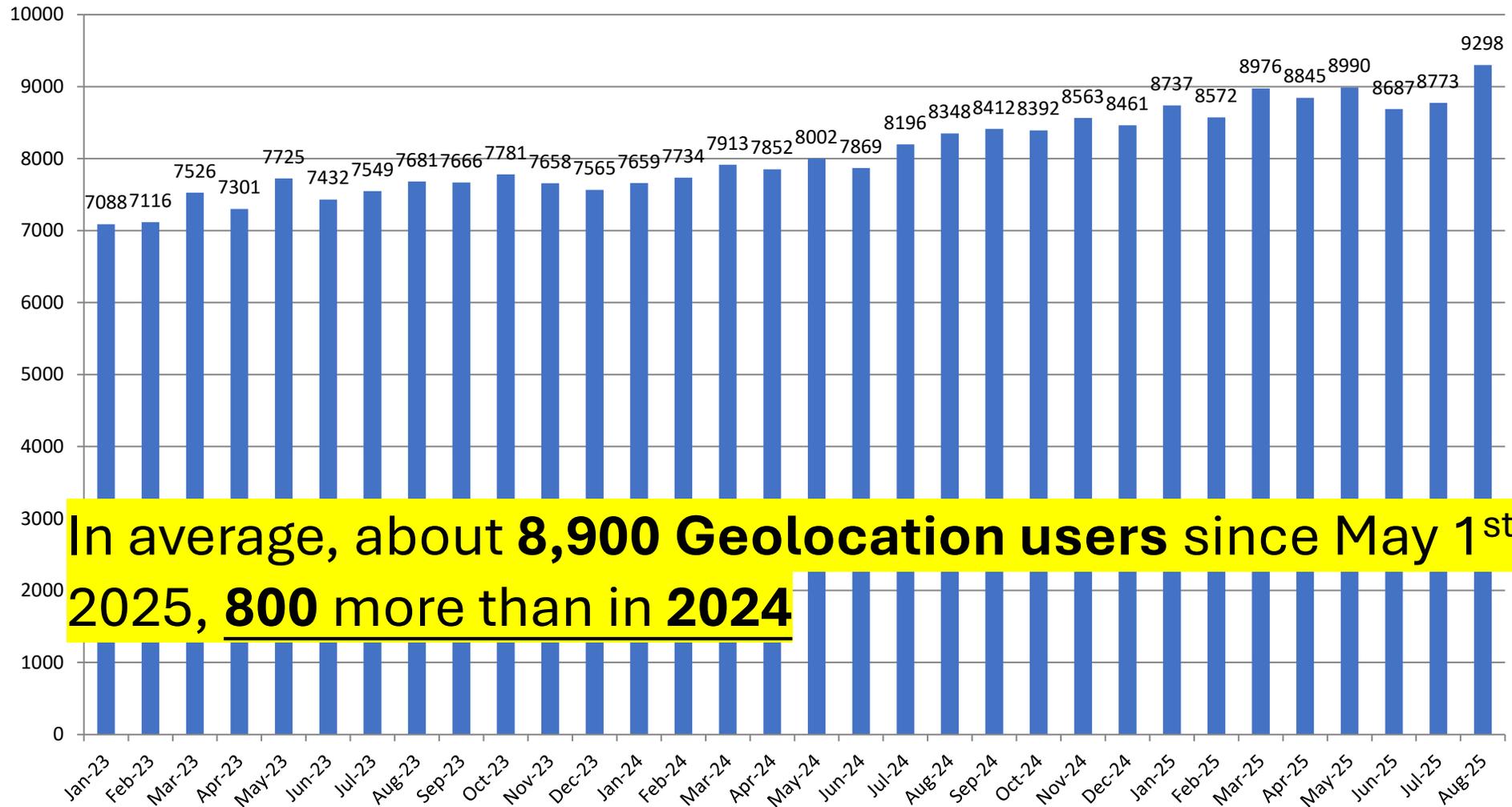 - Help **e-crash / e-citation vendors** in the long run

Geolocation

Geolocation Usage Stats

- **TraCS**
  - **100%** of agencies that report **crashes** (209 of 209)
  - **11%** of agencies that write **citations** (21 of 192)
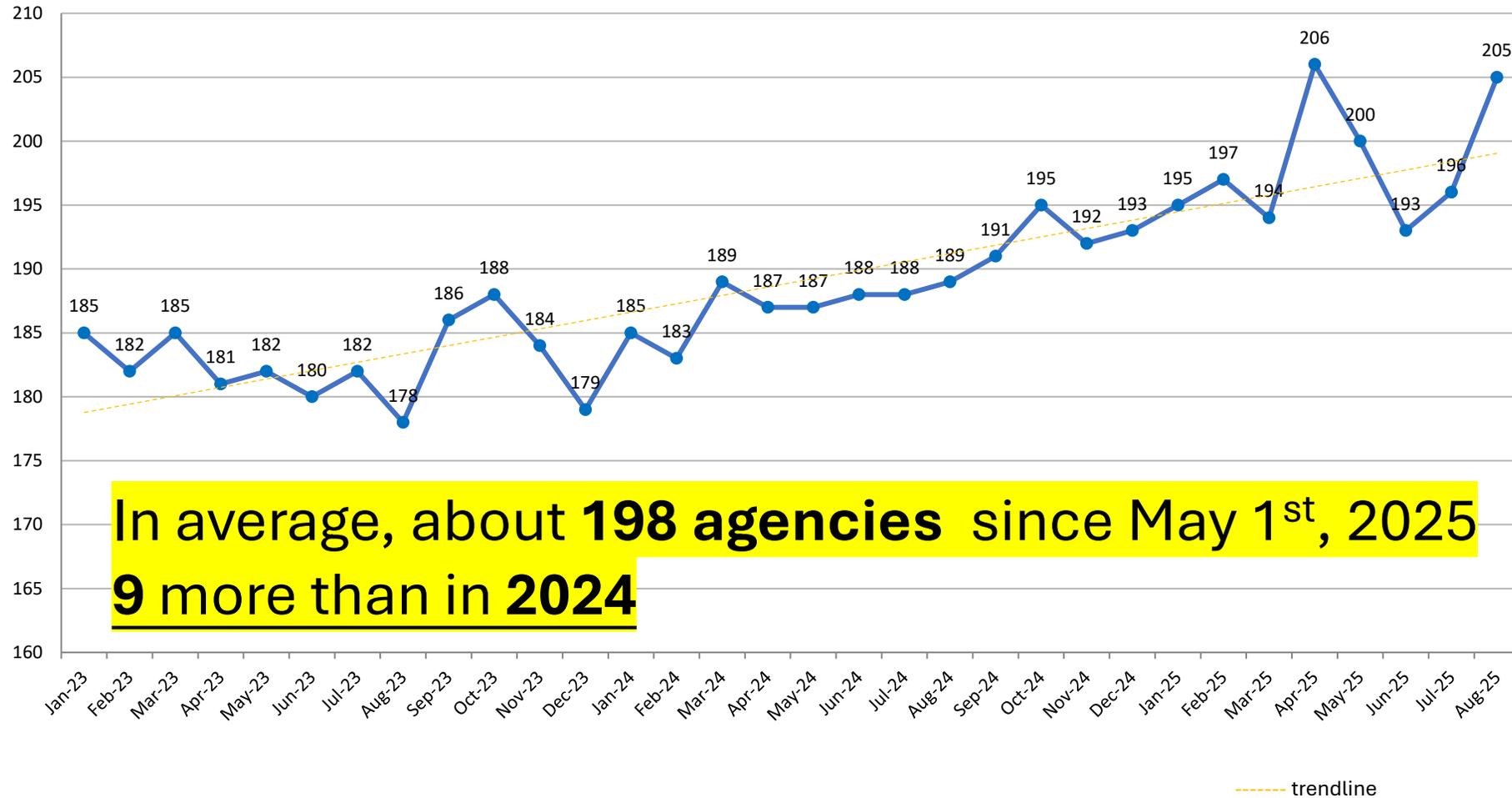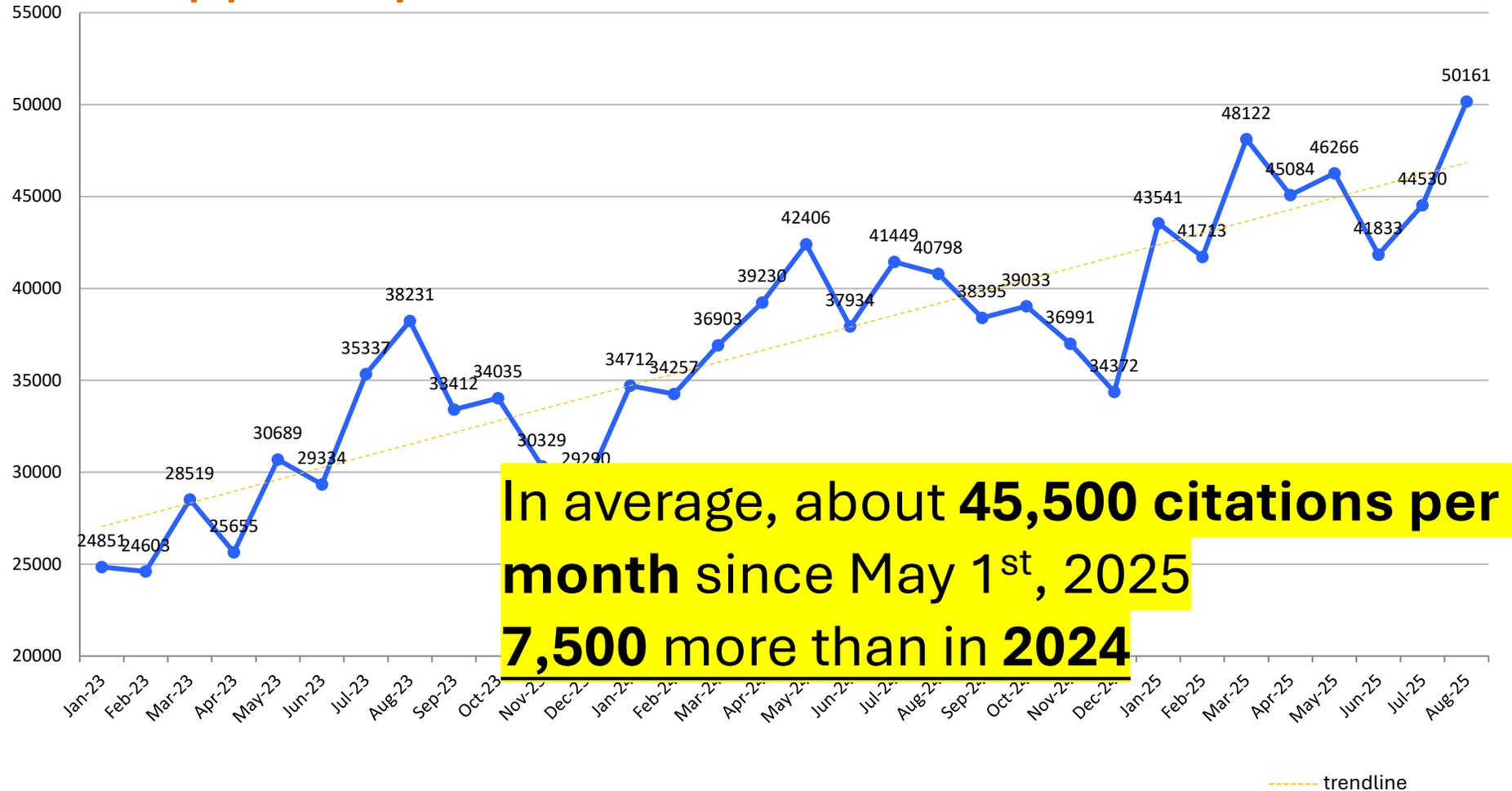
Crashes Mapped by Geolocation Tool

In average, about **27,000 crash reports per month** since May 1st, 2025, **2,000** more than in **2024**

trendline

Geolocation **Users**

In average, about **8,900 Geolocation users** since May 1ˢᵗ, 2025, **800** more than in **2024**
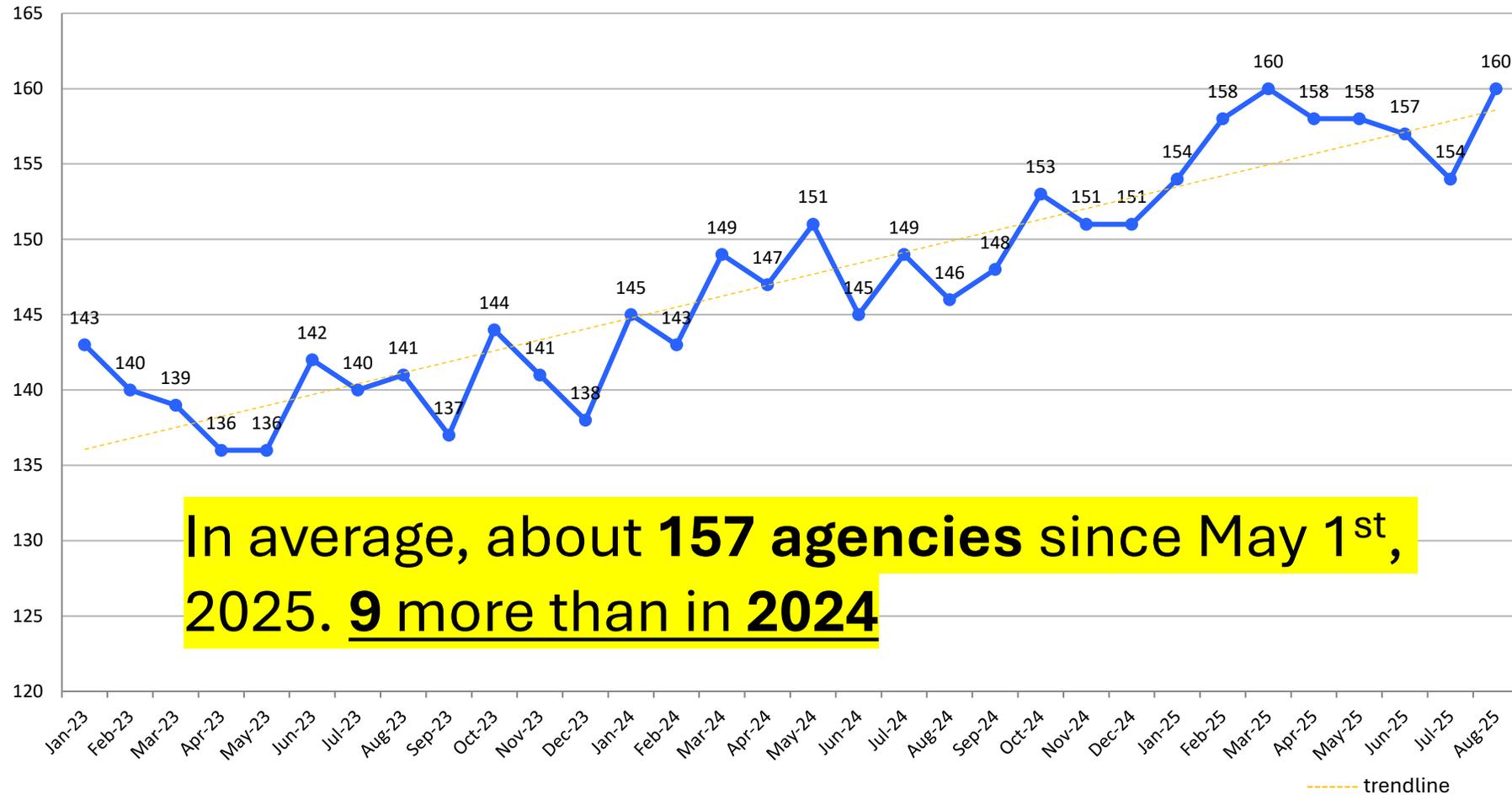
Crash Geolocation Agencies

**In average, about 198 agencies since May 1st, 2025
9 more than in 2024**

------- trendline

Citations Mapped by Geolocation Tool

In average, about **45,500 citations per month** since May 1ˢᵗ, 2025
7,500 more than in **2024**

-------- trendline

Citations Geolocation Agencies

In average, about **157 agencies** since May 1st, 2025. **9** more than in **2024**

----- trendline

Geolocation Crash vs Citations **Users**

In average, about **4,700 Users for Citations** and **7,500 Users for Crashes** since May 1st, 2025
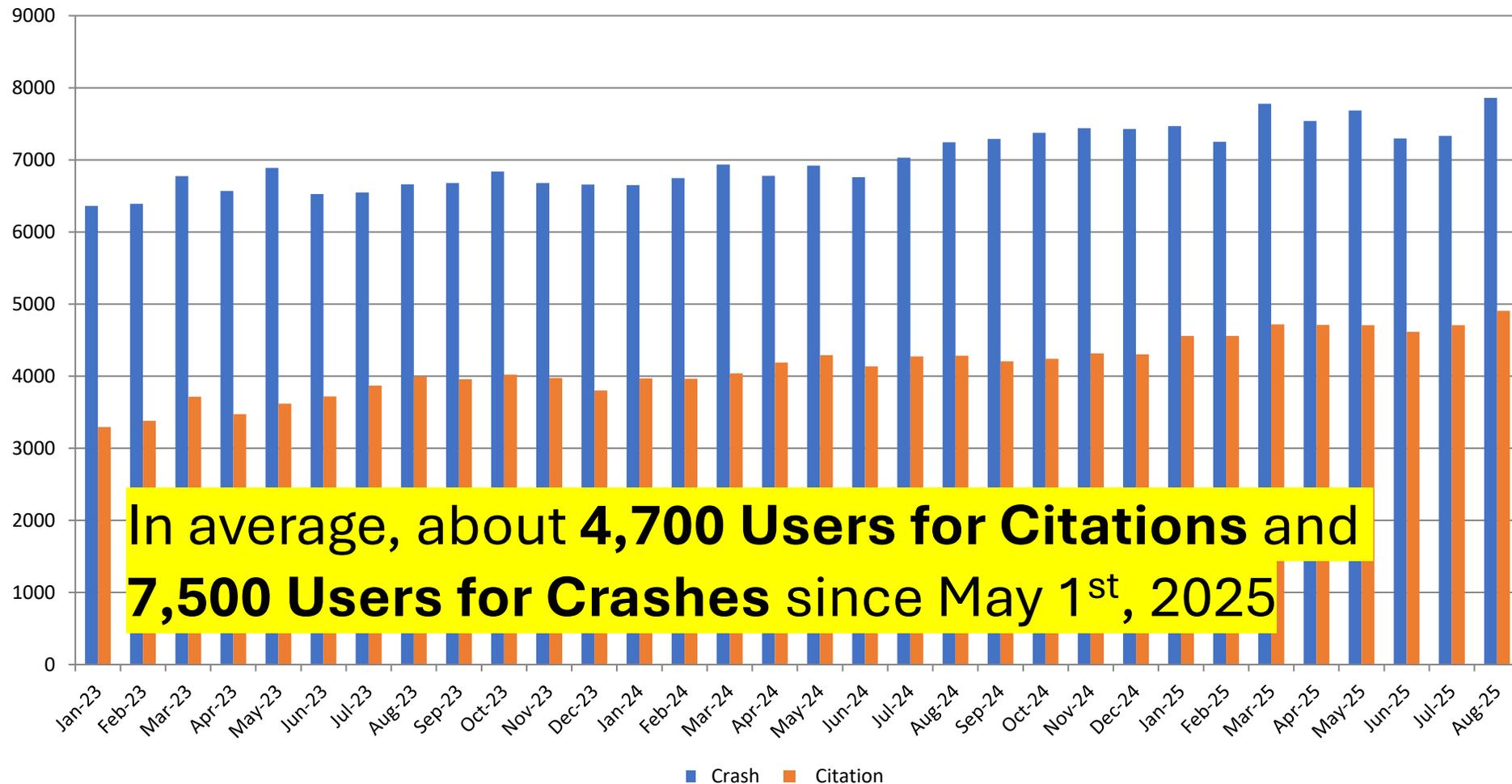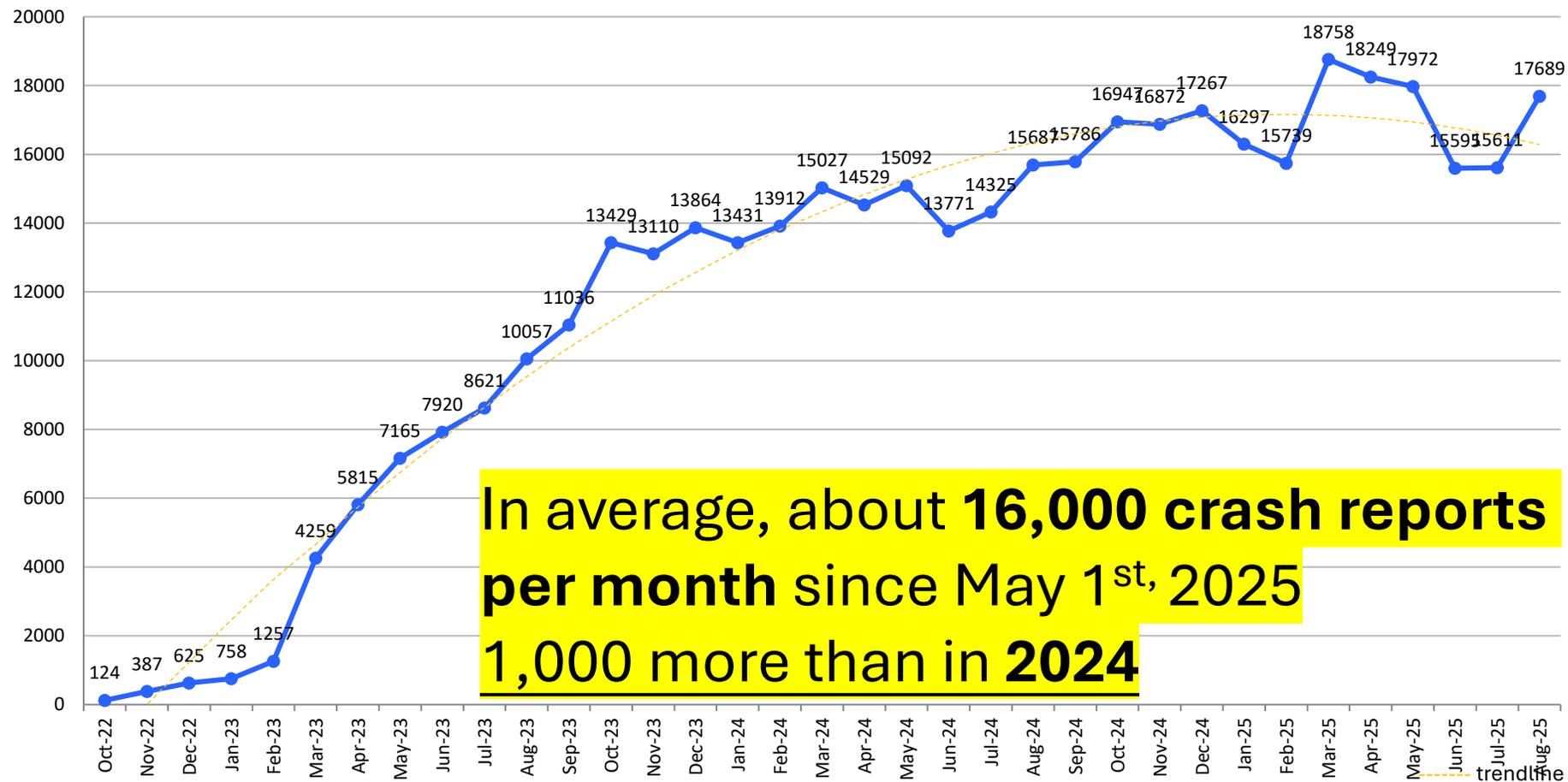
Legend: ■ Crash ■ Citation
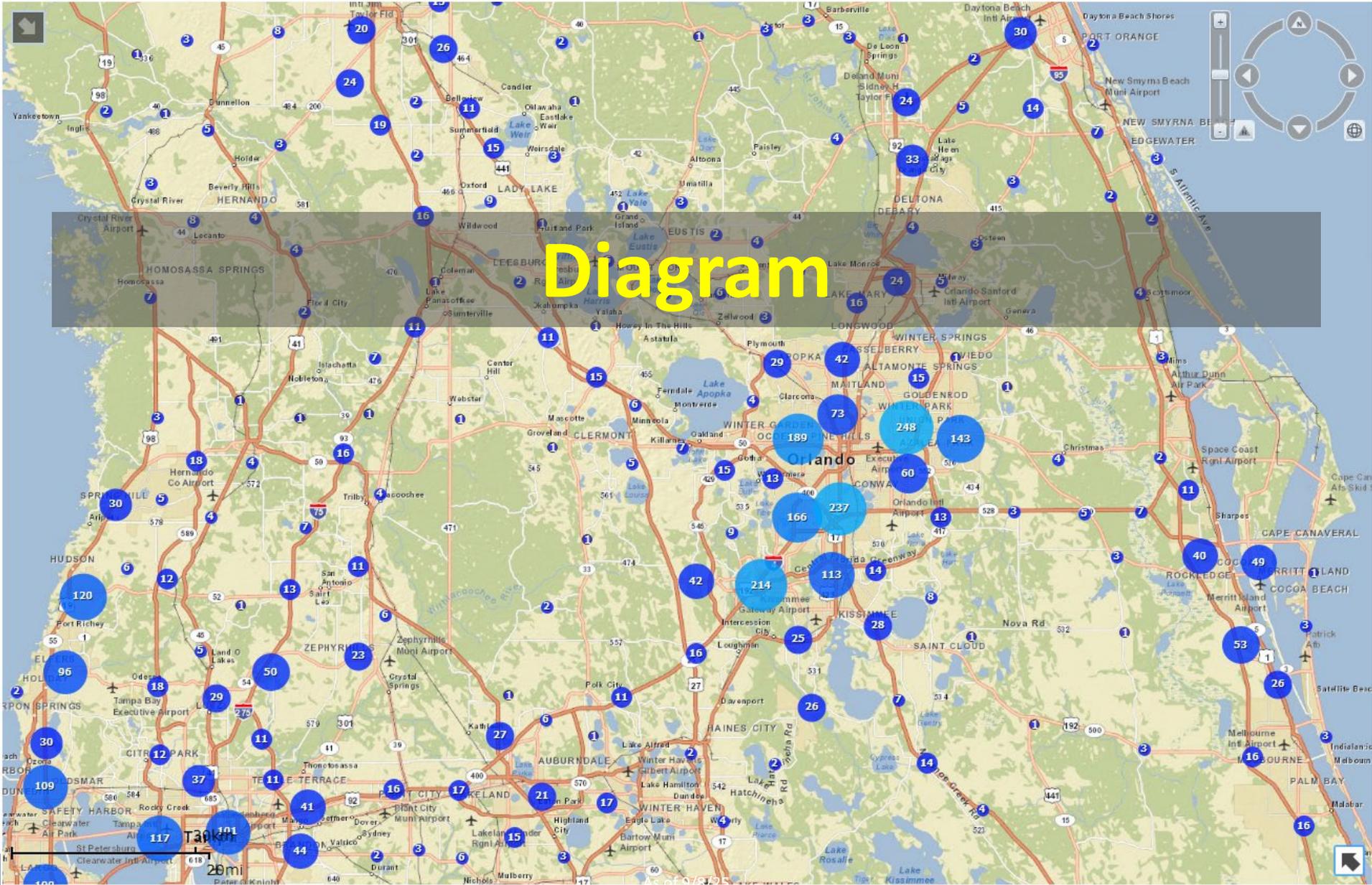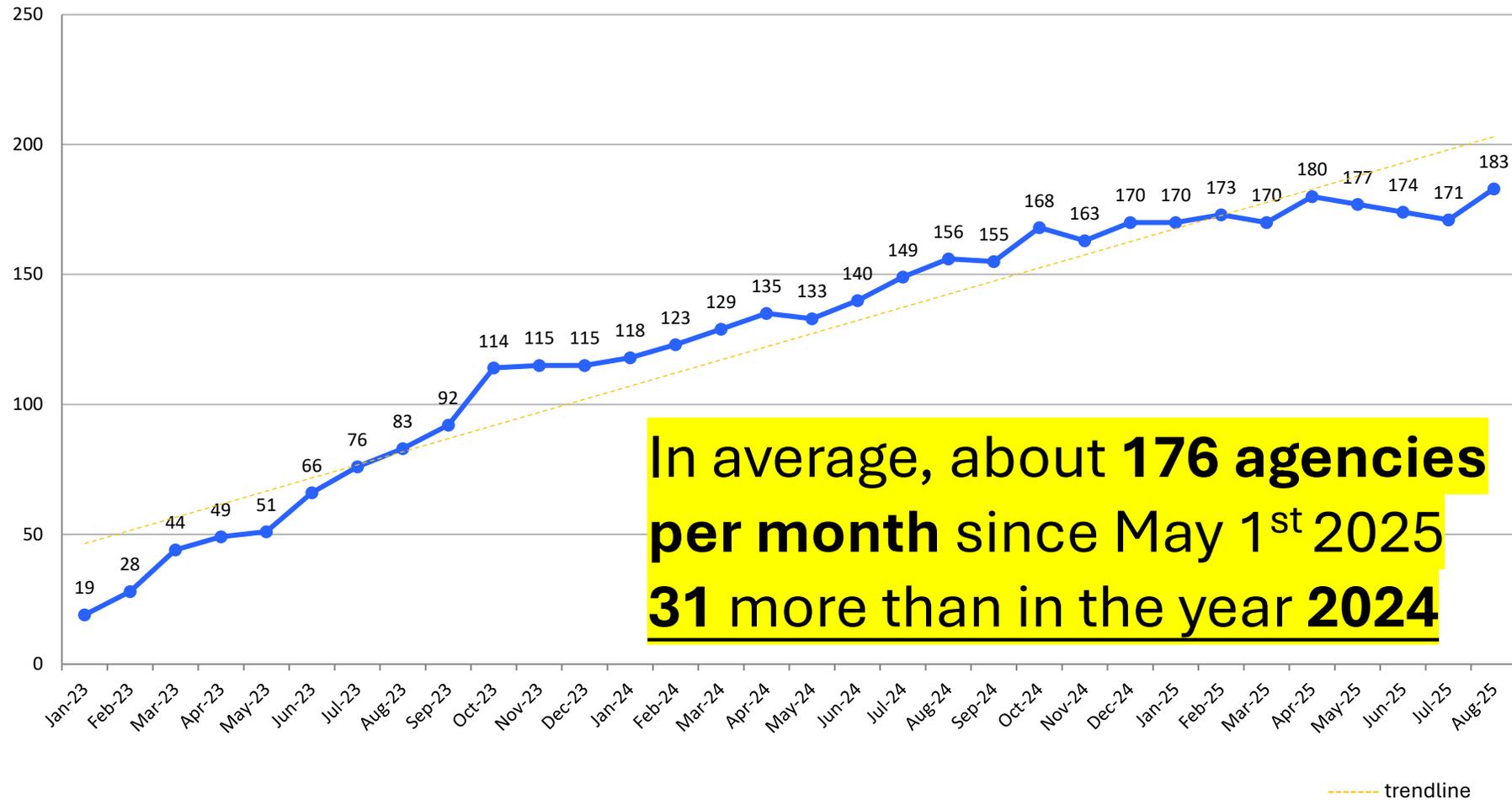
Diagram

Signal4 **Diagram** Usage Stats

- **TraCS**
  - **407,000** diagrams since October 2022 launch

  - **66,000** diagrams since May 1st, 2025

  - **201** TraCS agencies are currently using the Signal4 Diagram (96% -201 of 209)

Crashes that used Signal4 Diagram

In average, about **16,000 crash reports per month** since May 1st, 2025
1,000 more than in **2024**

Agencies that used Signal4 Diagram

In average, about **176 agencies per month** since May 1st 2025
31 more than in the year **2024**

------- trendline

Users that used Signal4 Diagram

In average, about **5,350 users per month** since May 1ˢᵗ 2025
880 more than in **2024**
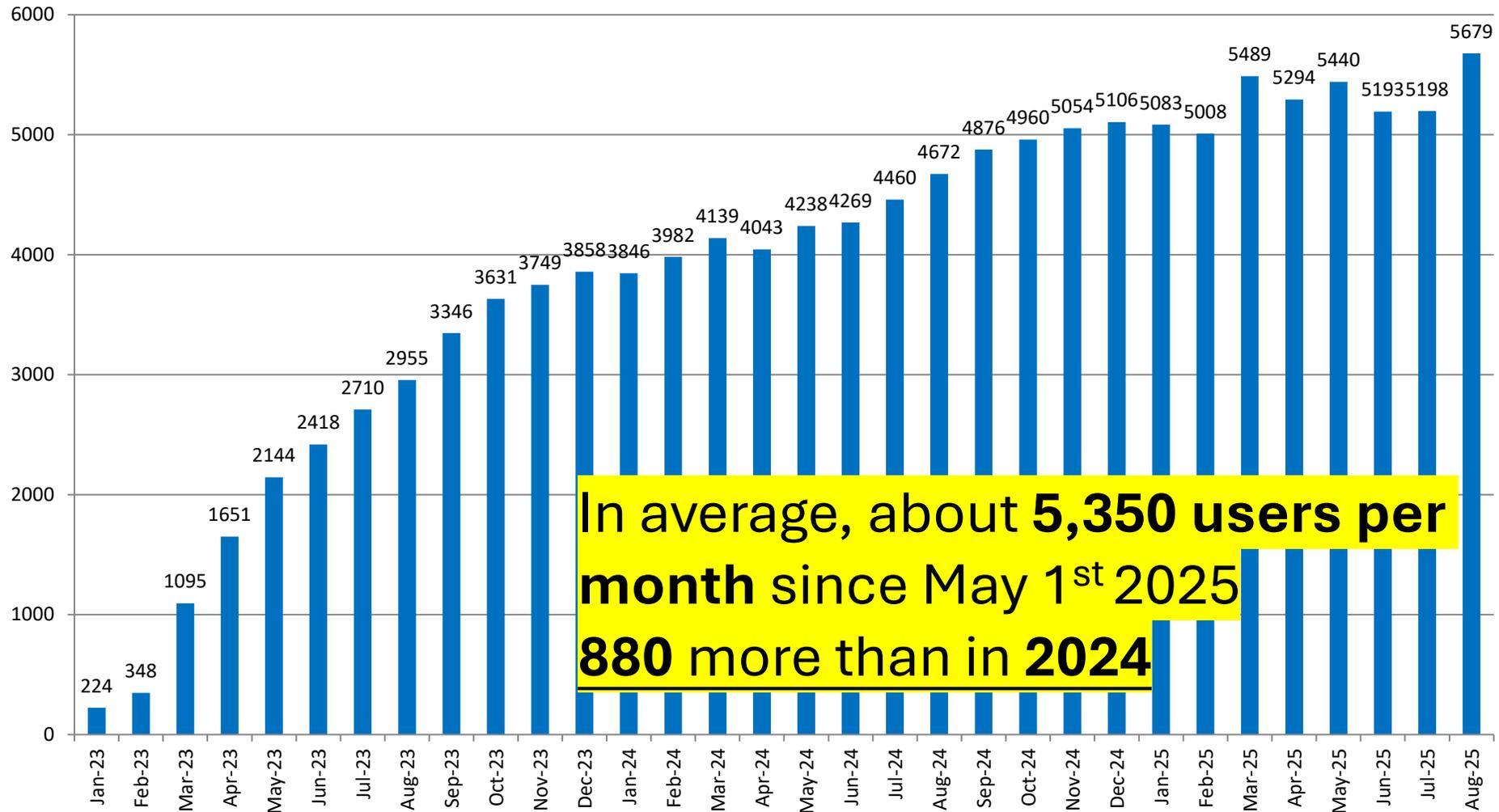
Signal4 Diagram
NATIONAL AWARD WINNER

Signal4 Diagram
NATIONAL AWARD WINNER

Traffic Records Forum, Boston, 2025

- First place for **"Best Practice"**

SmartCOP Deployment Updates
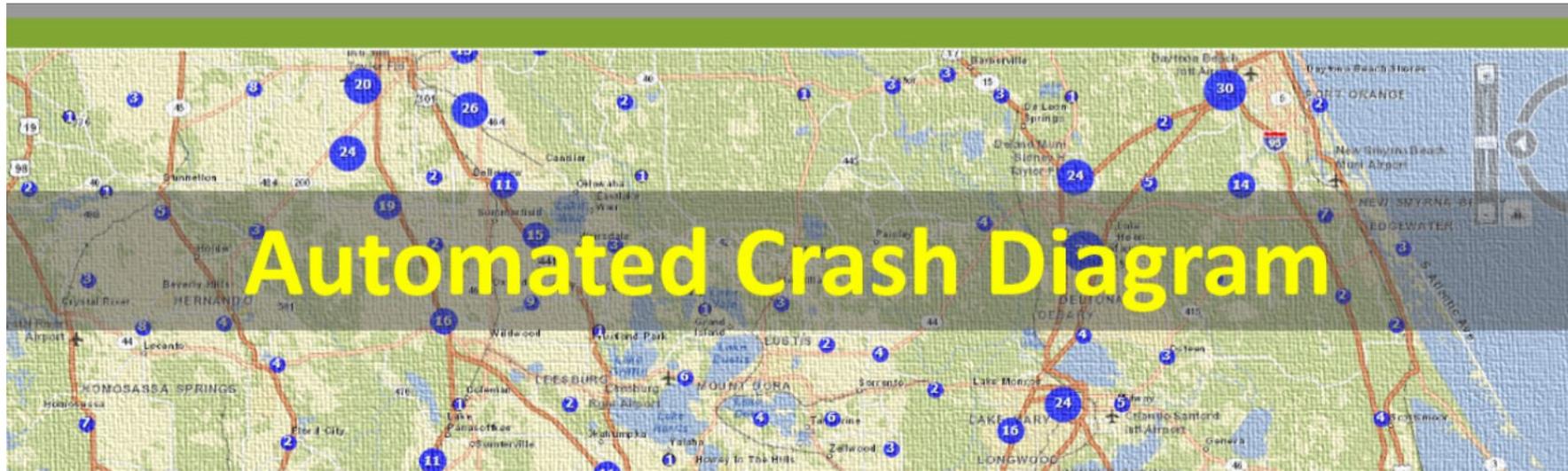
- **In Operation**
  - Alachua County SO
  - Sebring PD

- **In Testing**
  - Hillsborough County SO

- **Other**
  - Sumter County SO
  - Putnam County SO
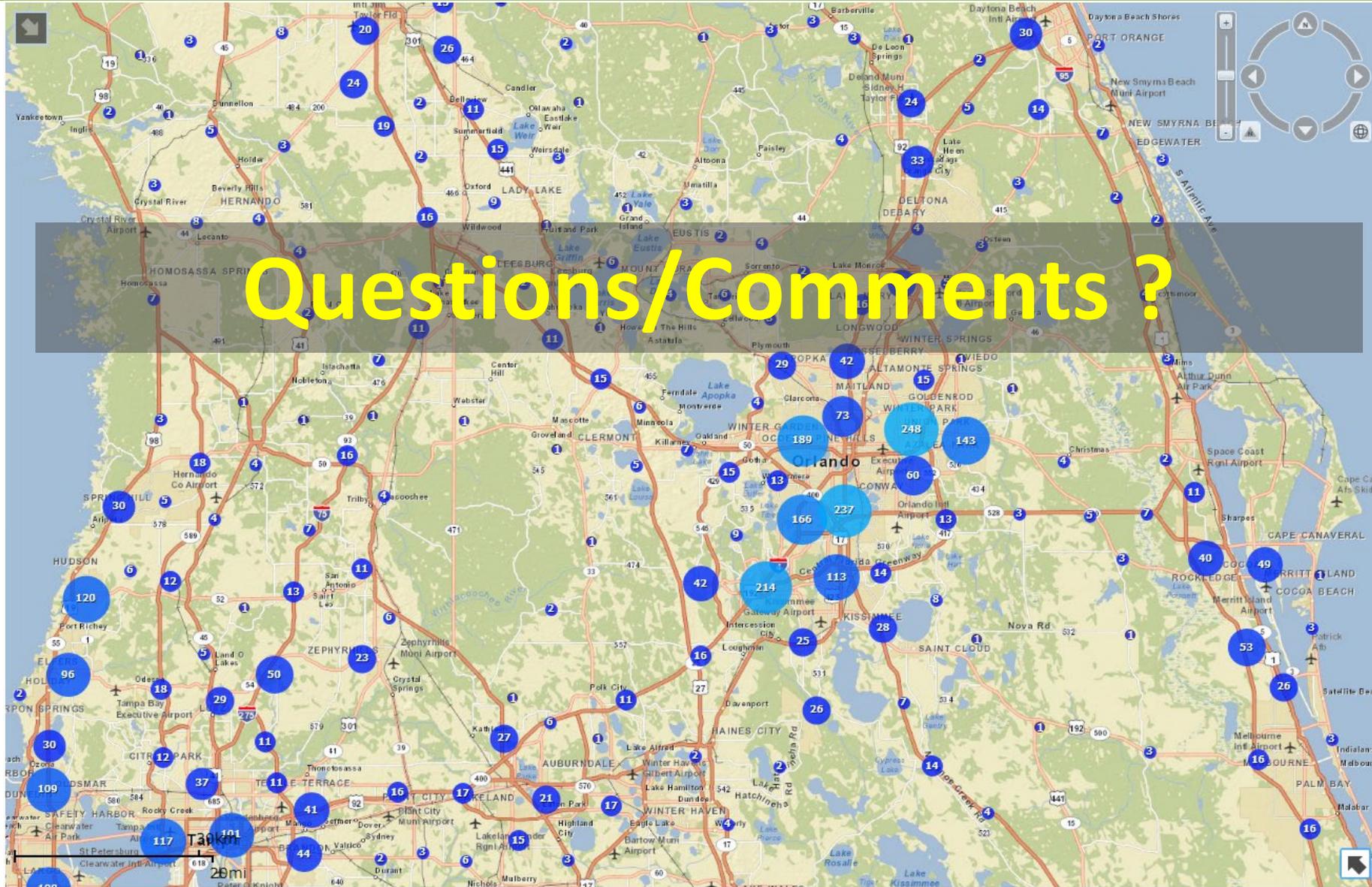 - Mariana PD, Niceville PD

SmartCOP Upcoming Webinars

9/24/2025 at 11:00am, and 2:00pm

9/30/2025 at 11:00am and 2:00pm

SmartCOP Deployment Updates

- Next Steps
- Reach out to other agencies

Questions/Comments ?

Thank you

Ilir Bejleri
ilir@ufl.edu

405C PERFORMANCE MEASURE DISCUSSION

Chris Craig, FDOT

NHTSA REQUIREMENTS

- **_Quantitative improvement._** The State shall demonstrate quantitative improvement in the data attribute of accuracy, completeness, timeliness, uniformity, accessibility or integration of a core database by providing—

  - (i) A written description of the performance measure(s) that clearly identifies which performance attribute for which core database the State is relying on to demonstrate progress, using the methodology set forth in the "Model Performance Measures for State Traffic Records Systems" (DOT HS 811 441), as updated; and

  - (ii) Supporting documentation covering a contiguous 12-month performance period starting no earlier than April 1 of the calendar year prior to the application due date, that demonstrates quantitative improvement when compared to the comparable 12-month baseline period.

PREVIOUS MEASURES

- FDOH
  - Completeness of EMS/Injury data (i.e., the percentage of Florida's Public or private entities involved in EMS systems which have been licensed by the State of Florida, who are submitting NEMSIS Version 3 compliant run reports to the FDOH EMS Tracking and Reporting System, EMSTARS) – EMS/Injury/Completeness

- S4
  - Accurately located electronic crash reporting (i.e., the average percentage of accurately located electronic crash reports submitted into Florida Department of Highway Safety and Motor Vehicles (FLHSMV) Crash Master Database by law enforcement agencies utilizing the Geo-Location tool) – Crash/Accuracy

- TraCS
  - Completeness of the percentage of statewide crash reports submitted electronically by agencies using Traffic and Criminal Software (TraCS).

TRACKING TOOL

- Static information: project title, lead agency, funding amount, funding source, project description

- Quarterly updates on objectives based on timeliness, accuracy, completeness, uniformity, integration, accessibility

- Intended to provide options for quantitative improvement submission

MODEL PERFORMANCE MEASURES

- 61 performance measures

- 6 core data systems

- 6 performance attributes

U.S. Department of Transportation
National Highway Traffic Safety Administration

NHTSA
www.nhtsa.gov

DOT HS 811 441   February 2011

Model Performance Measures for State Traffic Records Systems

MODEL PERFORMANCE MEASURES

Data System	Performance Attributes						Total
	Timeliness	Accuracy	Completeness	Uniformity	Integration	Accessibility	
Crash	2	2	3	1	1	1	**10**
Vehicle	2	1	4	1	1	1	**10**
Driver	2	2	3	1	1	1	**10**
Roadway	2	1	4	1	1	1	**10**
Cit/Adj	2	2	3	1	1	1	**10**
EMS/Injury	2	2	3	2	1	1	**11**
Total	**12**	**10**	**20**	**7**	**6**	**6**	**61**

Table 1. Distribution of Model Performance Measures

TRACKING TOOL

- Provide quarterly updates to track quantitative improvement

- Quantitative improvement deadline is **_May 2026._**

PUBLIC COMMENT

Chris Craig, FDOT

WRAP UP AND NEXT STEPS

Chris Craig, FDOT

WRAP UP AND NEXT STEPS

- Upcoming TRCC Meetings

    - December 5th, 2025
    - March 27th, 2026 – Voting Meeting
    - June 19th, 2026
    - September 18th, 2026

THANK YOU AND SAFE TRAVELS!