



# ***FLORIDA'S TRAFFIC RECORDS COORDINATING COMMITTEE***

*Executive Board Voting Meeting*

*presented to*

**TRCC**

**March 29, 2024**







# ***WELCOME AND INTRODUCTIONS***

*Chris Craig, FDOT*

# ***WELCOME AND INTRODUCTIONS***



- Name
- Agency





DATA WHEN, WHERE, AND HOW YOU NEED IT

# TRAFFIC RECORDS COORDINATING COMMITTEE MEETING REPORT

DECEMBER 1, 2023



*DATA WHEN, WHERE, AND HOW YOU NEED IT*

# DECEMBER 2023 MEETING MINUTES

*Prepared For:*

**FLORIDA DEPARTMENT OF TRANSPORTATION**

*Prepared By:*

**CHRIS CRAIG, TRAFFIC SAFETY PROGRAM ADMINISTRATOR**

*Meeting Notes Taken By:*

**CAMBRIDGE SYSTEMATICS, INC.**



FLTrafficRecords.com | 1





# ***CRASH AND UNIFORM TRAFFIC CITATION (UTC) DATA IMPROVEMENT***

*Florida Department of Highway Safety and Motor Vehicles*





**FLHSMV**

FLORIDA HIGHWAY SAFETY AND MOTOR VEHICLES



**"FLORIDA"  
ARRIVE ALIVE  
\_ BUCKLE UP \_**

**FFY 2024**

**Crash & UTC Data Improvement Grant  
Melissa Gonzalez, Operations & Management  
Consultant Manager**

**FLHSMV**  
FLORIDA HIGHWAY SAFETY AND MOTOR VEHICLES





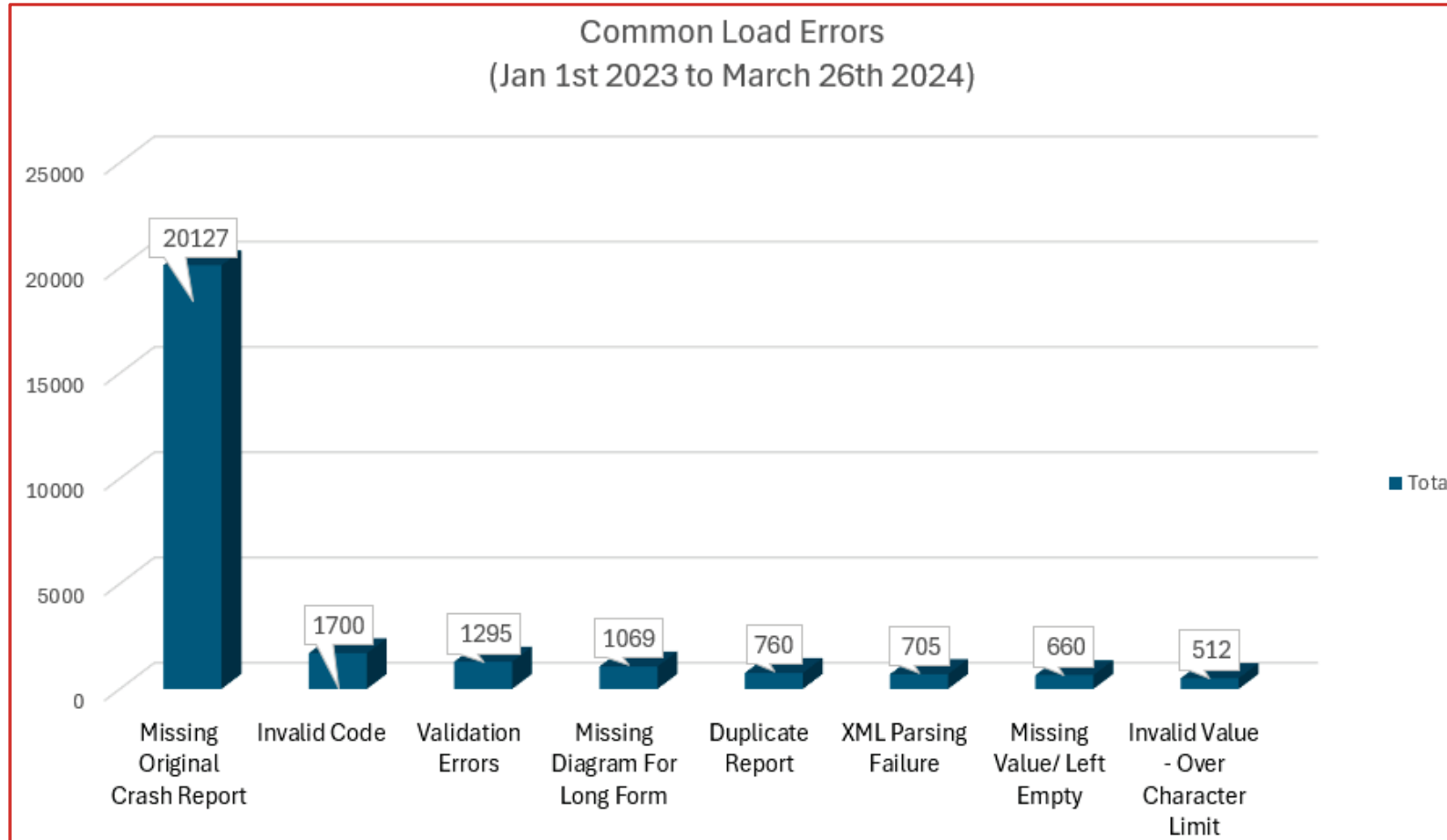
**Crash Objective 1:** Establish a timeline with goals for each remaining paper-submitting LEA to achieve full adoption of electronic crash reporting.

	Paper LEAs	Crash Counts: 2022	Crash Counts: 2023	Status March 2024
1	CORAL GABLES PD	2507	325	Transitioned Successfully
2	COCOA PD	911	982	Transitioned Successfully
3	INDIAN RIVER CO SO	2372	2265	In-Progess: has crash ID
4	SUNNY ISLES PD	673	697	In-Progess: has crash ID; securing funding for software
5	LANTANA PD	562	602	In-Progess: has crash ID; vendor setup in progress
6	ORANGE PARK PD	362	474	In-Progess: has crash ID; vendor setup in progress
7	GREEN COVE SPRINGS PD	233	236	In-Progess: has crash ID; vendor setup in progress
8	RIVIERA BEACH PD	4	5	In-Progess: submissions in (errors)
9	PALM BEACH PD	58	407	In-Progess: has crash ID; submissions in (errors)
10	PASCO CO SO	73	95	In-Progess: has crash ID; vendor setup in progress
11	MILTON PD	450	527	Items needed: equipment and software
12	SHALIMAR PD	19	17	Items needed: equipment and software
13	DADE CO SCHOOL BOARD PD	361	404	Items needed: RMS interface
14	PALM BEACH CO SCHOOL BOARD PD	173	242	Equipment not needed;
15	FL INTERNATIONAL UNIV POLICE	160	180	Next - Outreach
16	DUVAL CO SCHOOL BOARD PD	68	75	Next - Outreach
17	INTERLACHEN PD	33	38	Next - Outreach
18	MARION CO SO	0	15	Next - Outreach
19	FL SCHOOL FOR DEAF AND BLIND CAMPUS PD	5	5	Next - Outreach

Next Steps:

- ❖ Continue Outreach
- ❖ Provide Onboarding Assistance
- ❖ Finalize MOU for equipment distribution

## Crash Objective 2: Conduct four state-wide LEA trainings on the importance of electronic crash reporting and data quality to improve crash data.





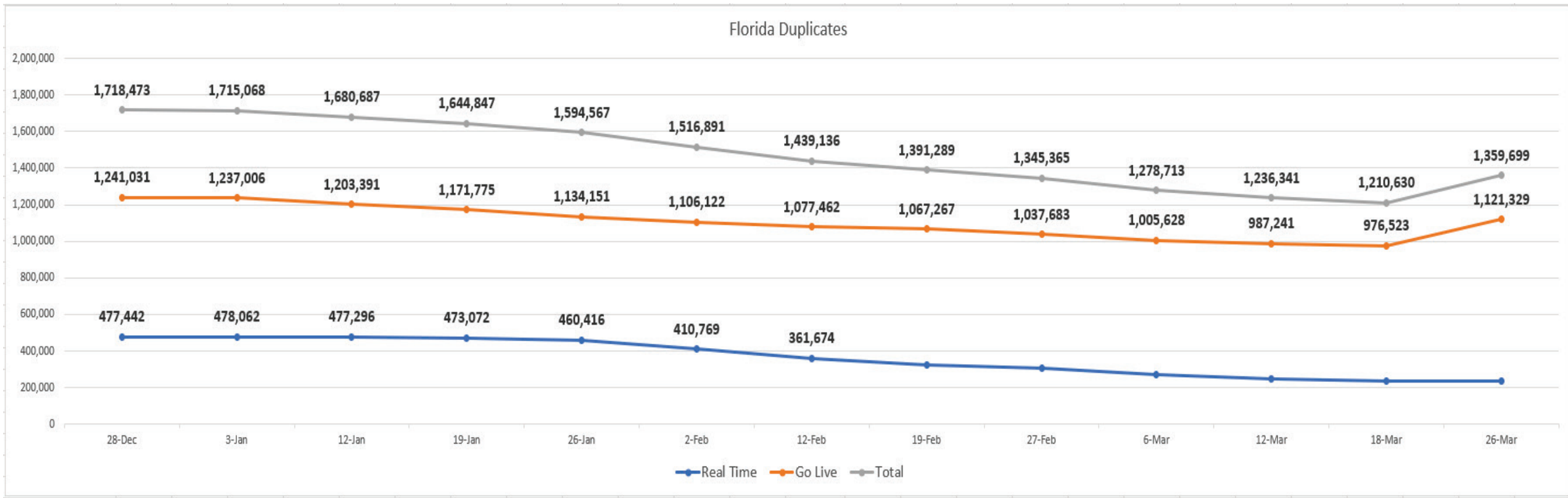
# UTC Objective 3

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

## Status:

- All 4 part-time OPS Record Technicians have been fulfilled
- Resolved Duplicates:
  - Q1: 31,045
  - Q2: 33,584

Florida Duplicates



# Duplicate Statistics: Oct 2023- March 2024



# FY25 Concept Paper

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## Scope of Work

1. Create a work plan to improve the accessibility of the ACT Report.
2. Implement enhancements to the ACT Report to improve accessibility.
3. Expand the ACT Reports to include vehicle and driver accuracy and completeness measures
4. Identify and resolve duplicate credentials to improve uniformity of driver history data.

## Budget

<b>Budget Item</b>	<b>Requested Amount</b>
Personnel: 1 full time OPS Mana Analyst & 8 part time OPS Rec. Techs	\$383,000
Contractual Services: development	\$280,800
Expenses: travel, office supplies, computer supplies	\$9,000
<b>Total</b>	<b>\$672,800</b>



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**"BUCKLE UP"**



# FFY 2024 Crash & UTC Data Improvement Grant



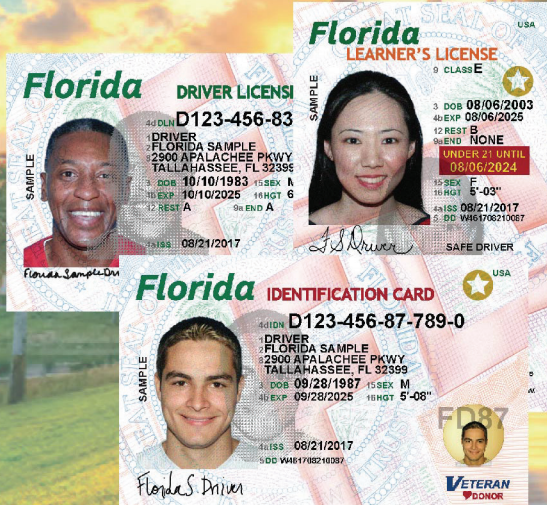




# ***DRIVER AND VEHICLE DATA QUALITY IMPROVEMENT***

*Florida Department of Highway Safety and Motor Vehicles*





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# FFY 2024 Driver and Vehicle Data Quality Improvement Grant Asher Lucas, OPS Project Analyst

# 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:

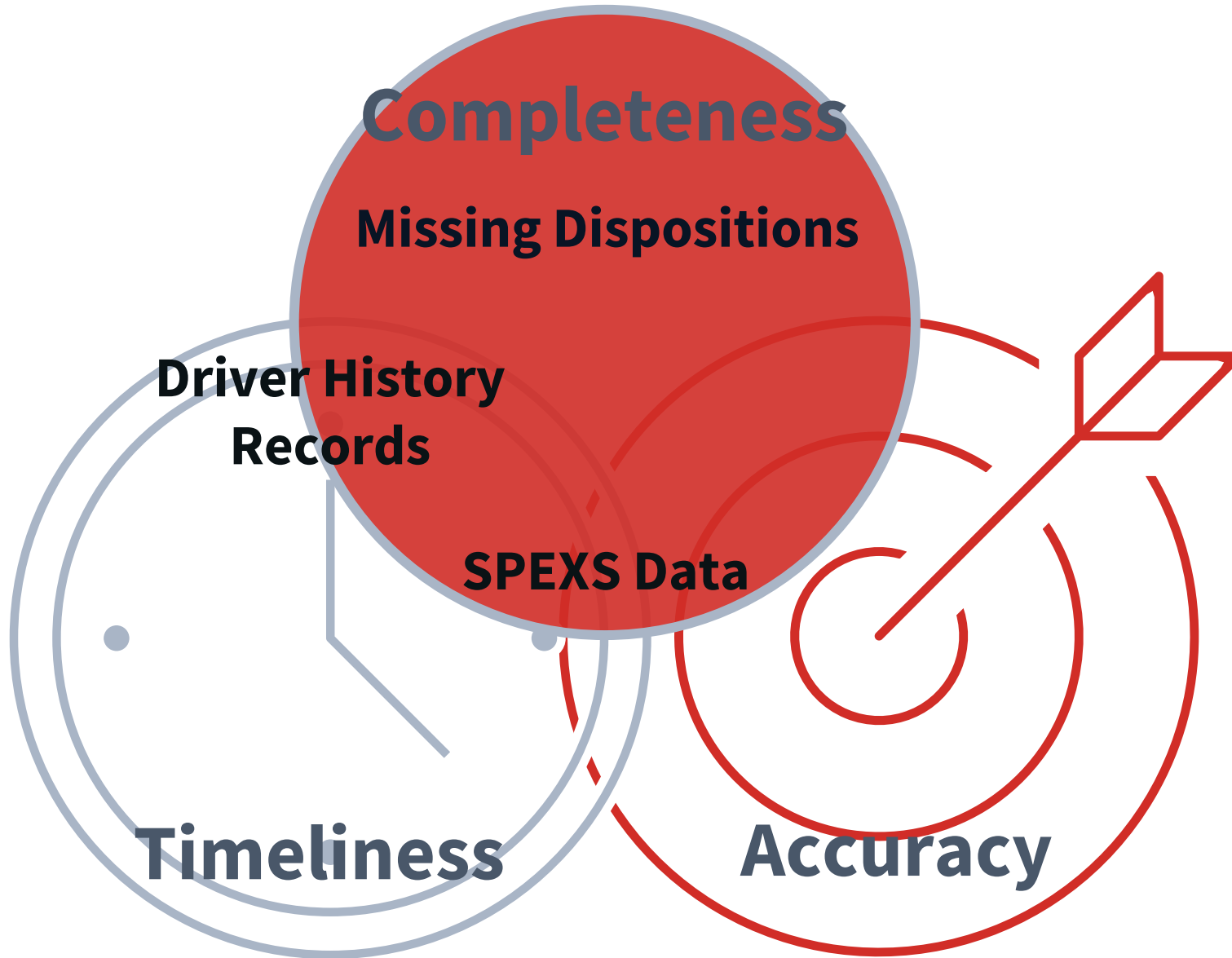
- Driver records system
- Vehicle records system



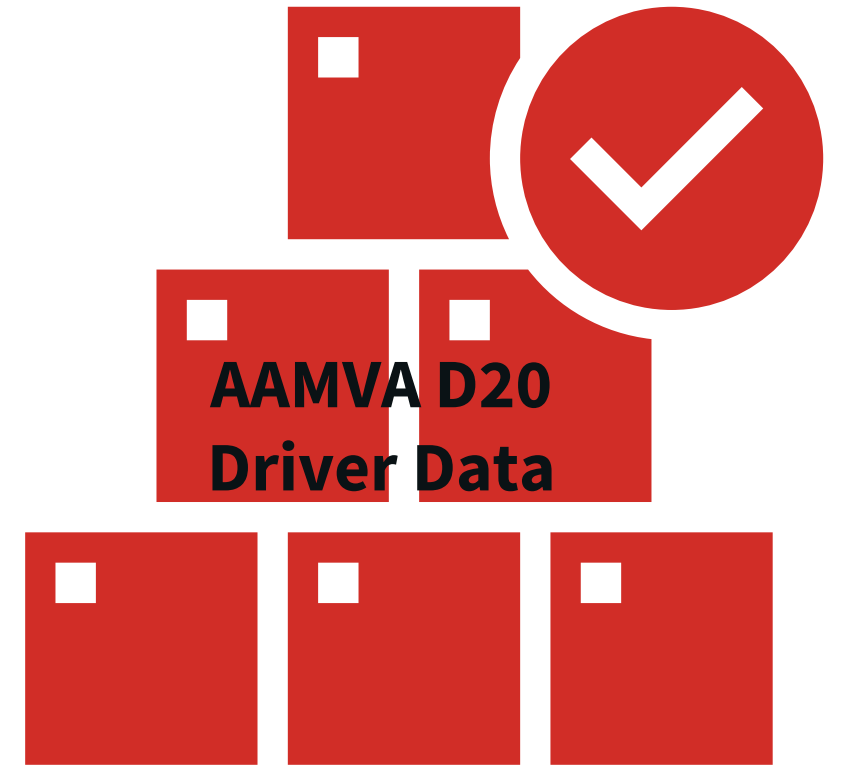
Identify recommendations for ongoing monitoring and evaluation of data quality for the driver and vehicle systems.



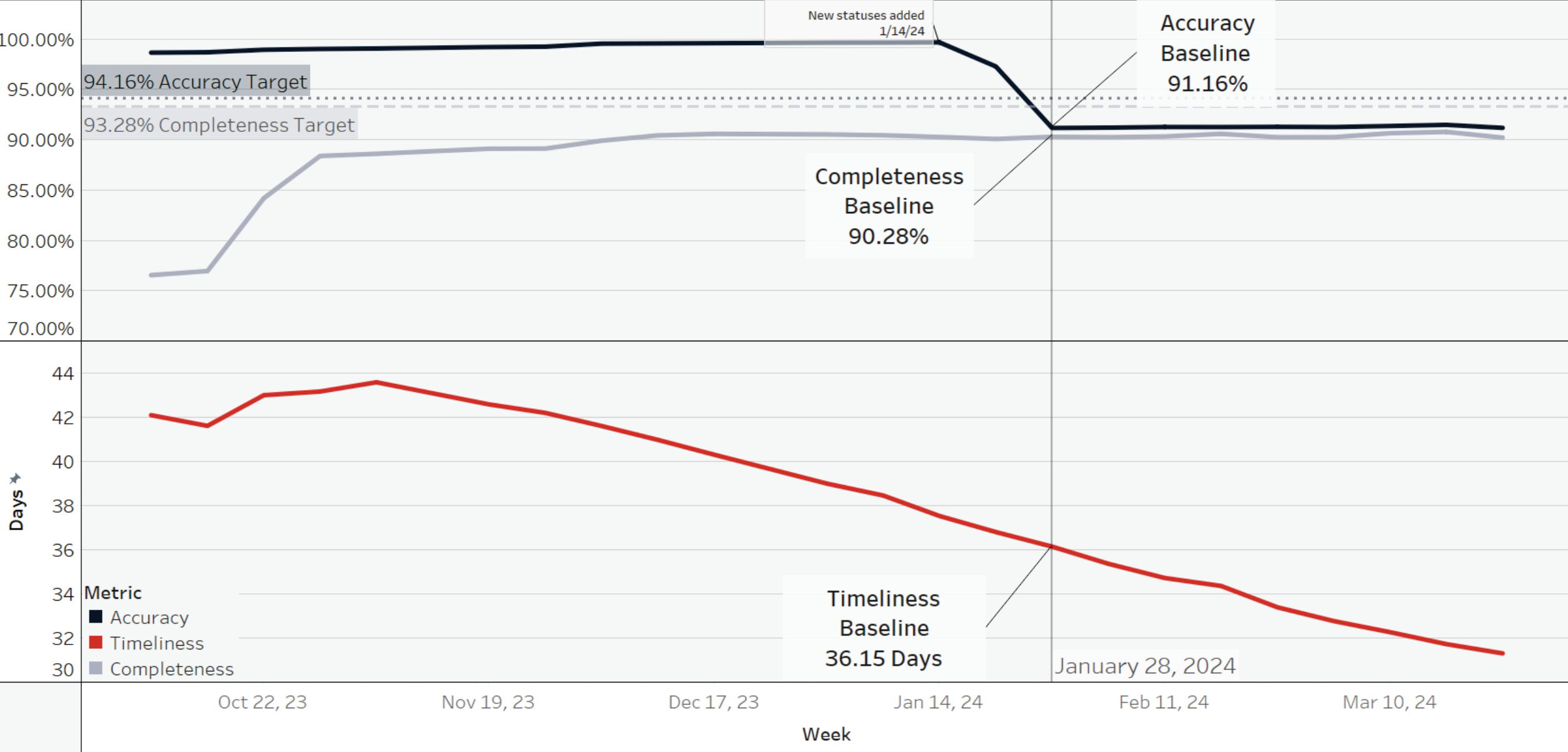
# Driver Data Sets



## Uniformity

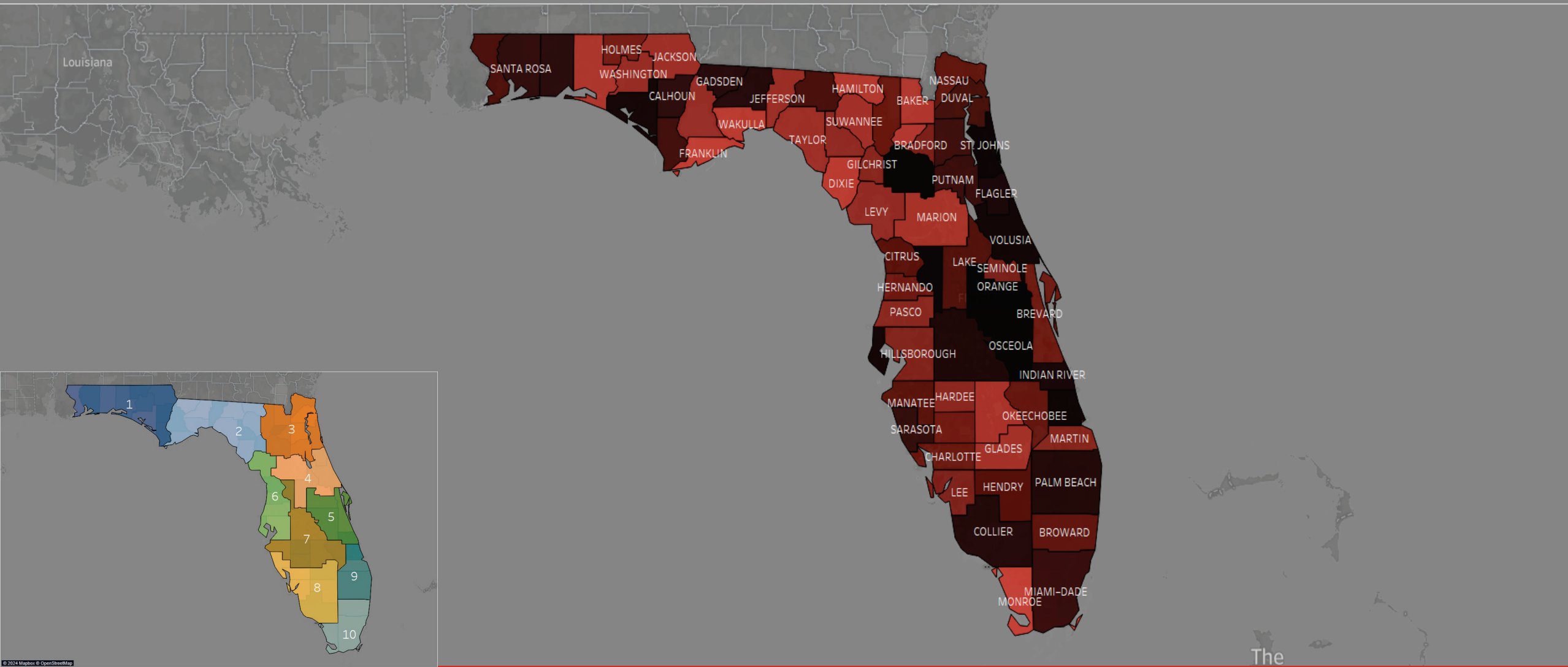
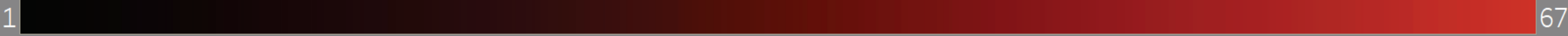


# SPEXS Accuracy, Completeness, Timeliness



# Driver Disposition Heat Map Showing Completeness Rank

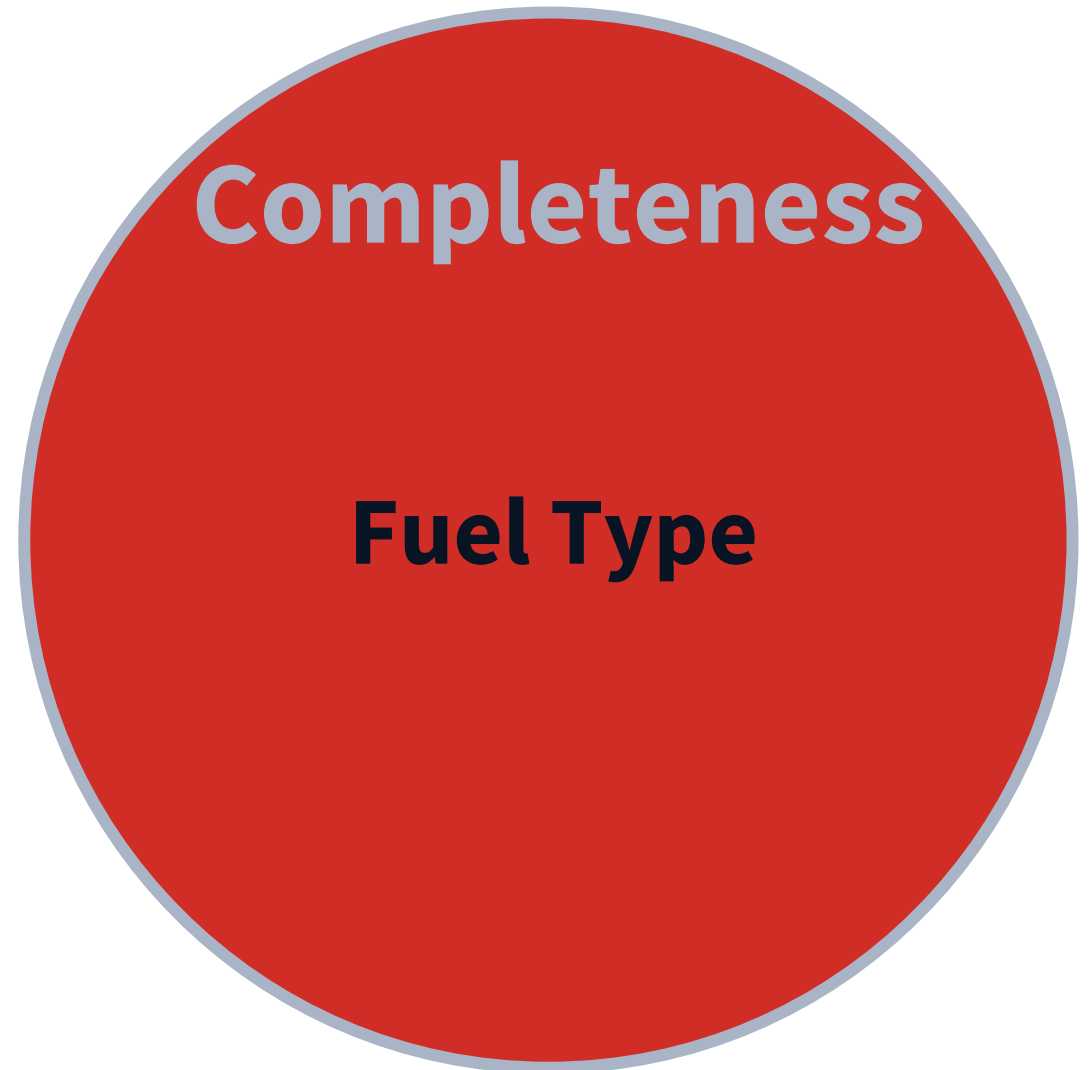
Heat Map Parameter  
Completeness Rank



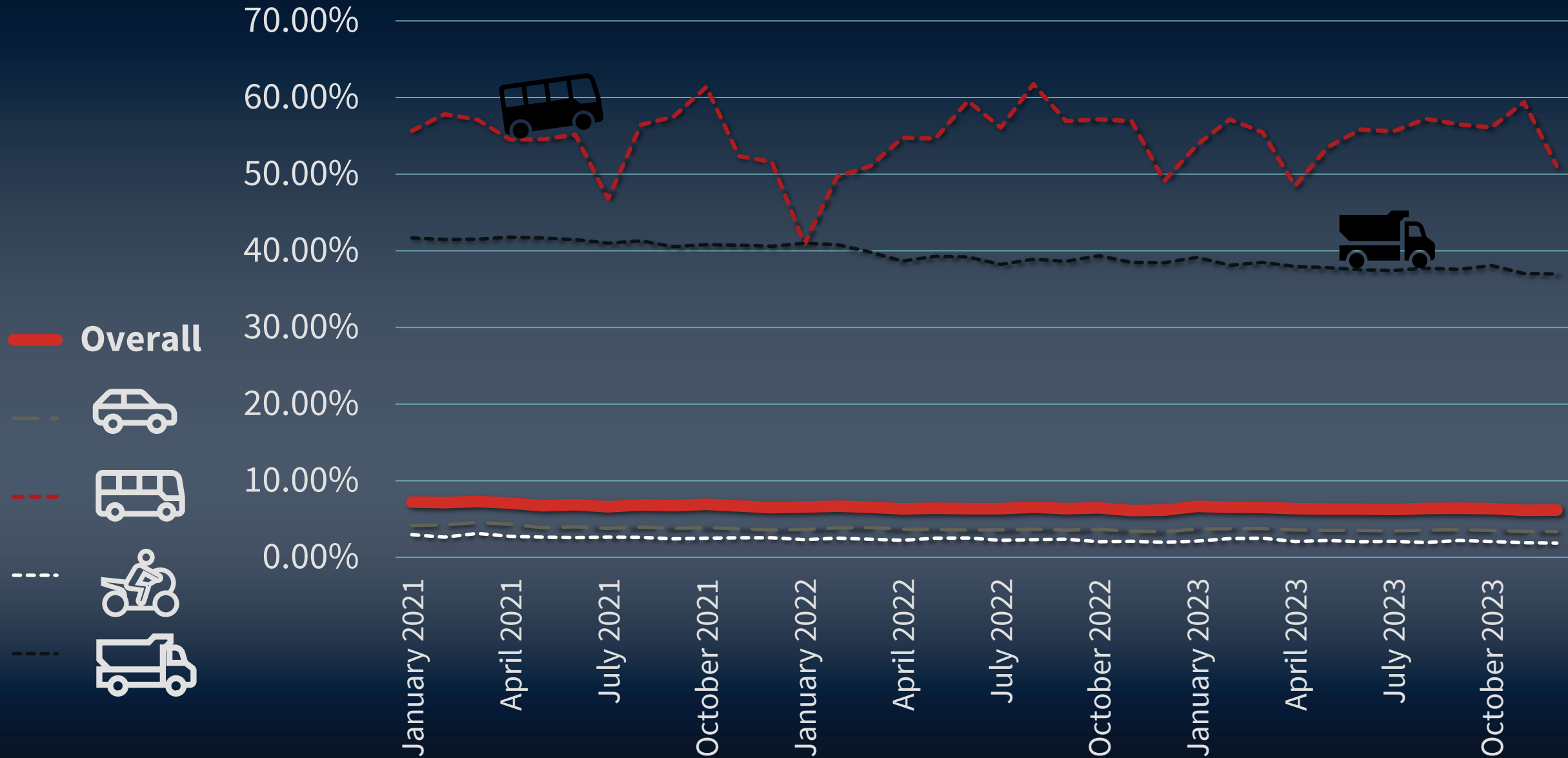
© 2024 Mapbox © OpenStreetMap

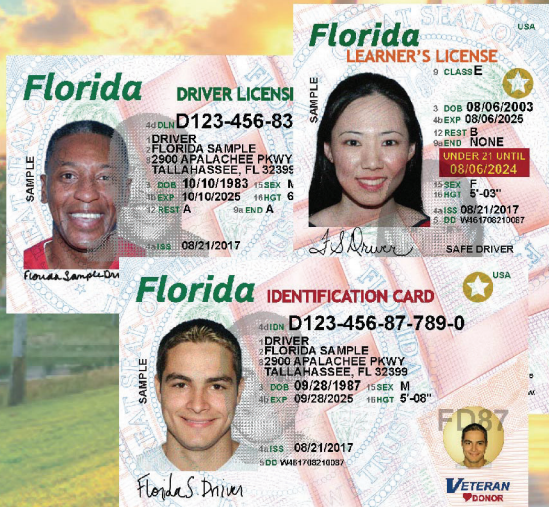


# Vehicle Data Sets



# Fuel Type Completeness Over Time





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**"BUCKLE UP"**

**FLHSMV**  
FLORIDA HIGHWAY SAFETY AND MOTOR VEHICLES



# Questions?

Contact: [AsherLucas@flhsmv.gov](mailto:AsherLucas@flhsmv.gov)





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

*Florida Department of Health*

# Department of Health

## Traffic Records Coordinating Council Project Update

### EMS Field Data Collection



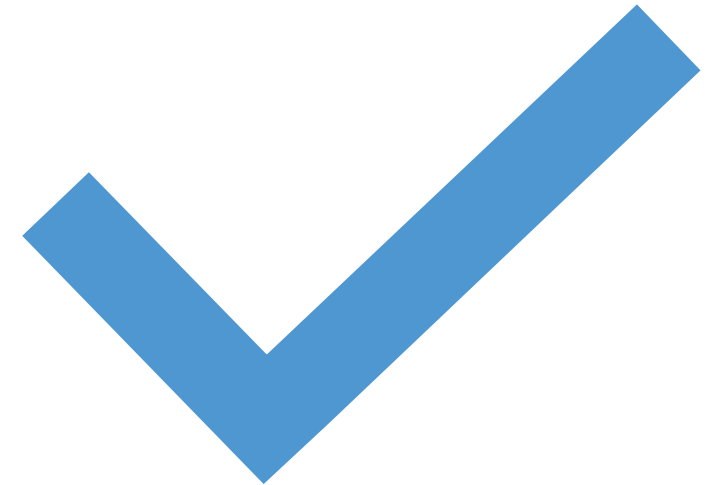
March 29, 2024

# EMS Field Data Collection



**FY 23/24**

## **Review of Grant Objectives & Status**



**Luis Dominguez**  
Project Director

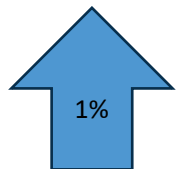
**Brenda Clotfelter**  
Project Manager

# FY 23/24 Objectives

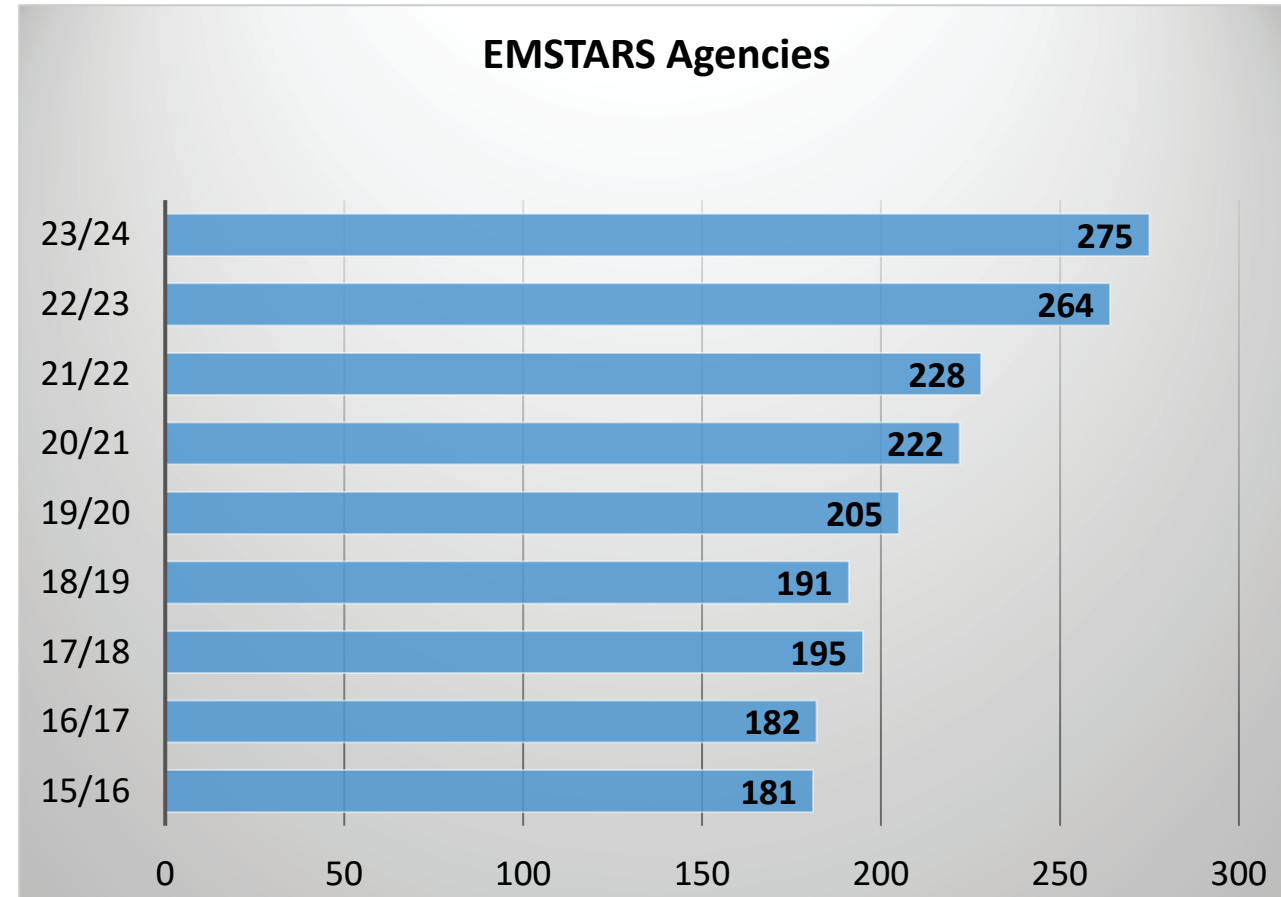


## Completeness

**Increase % of EMS agencies submitting to state incident level repository to 99% by September 30, 2024**



**85%**



324 Total Licensed Agencies  
275 Licensed Agencies in EMSTAR – 6 subagencies  
7 Pending  
47 Aggregate

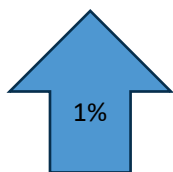


# FY 23/24 Objectives

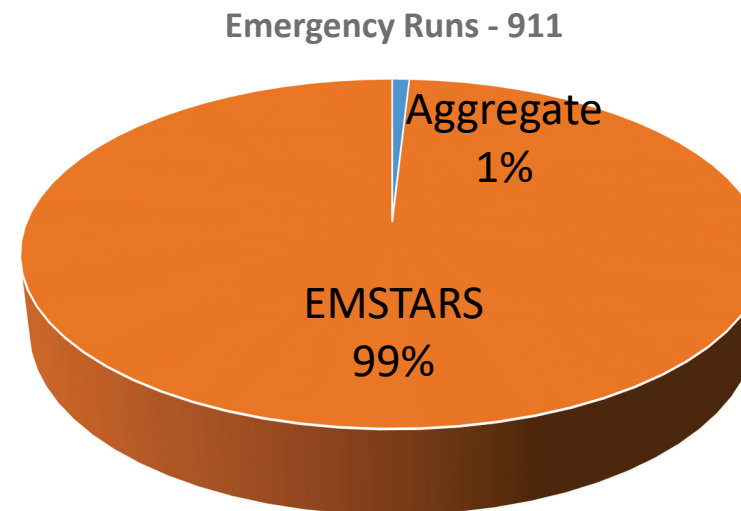


## Completeness

Increase % of EMS emergency run reports submissions to the state repository to 100% by September 30, 2024.



**99%**



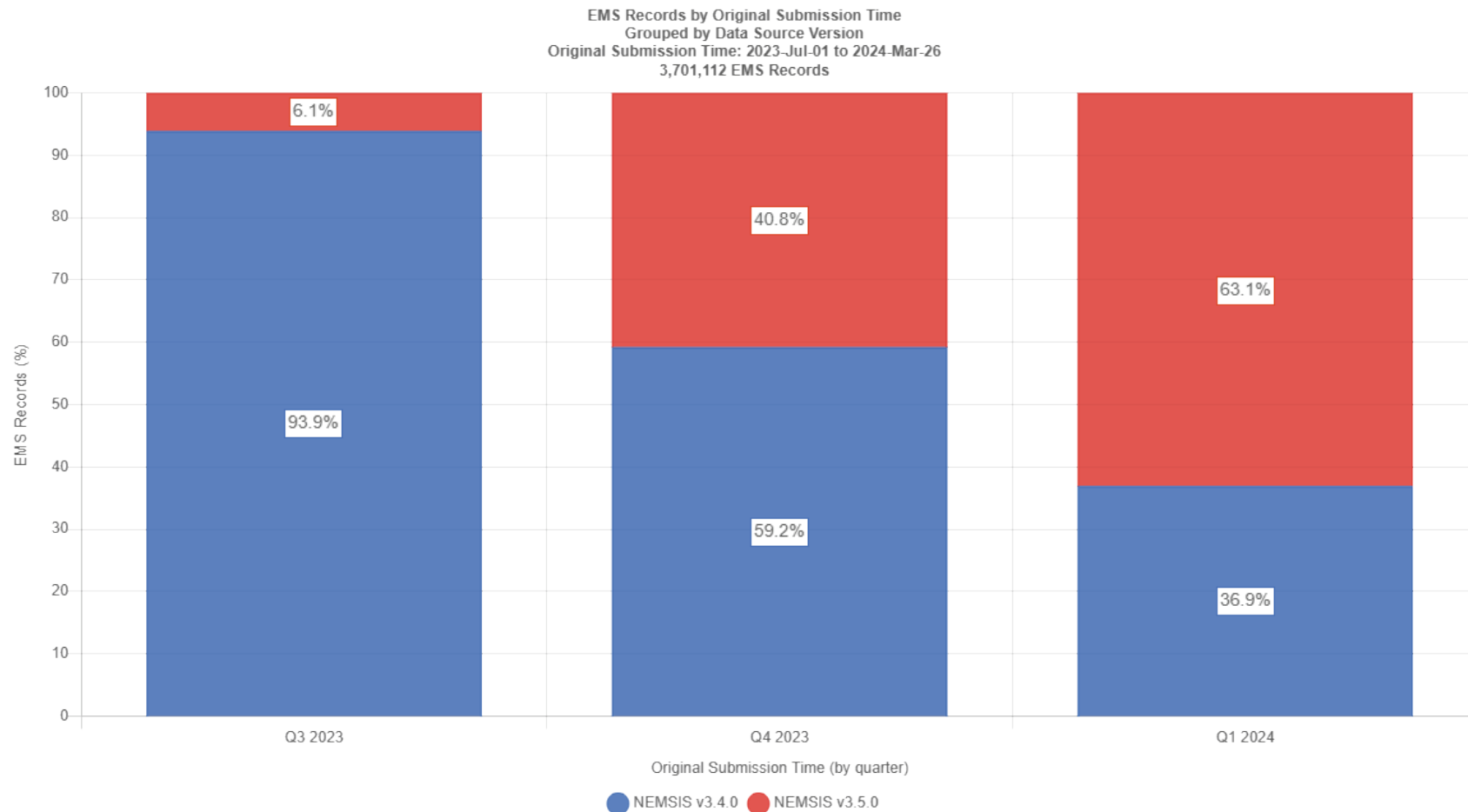
2023	911	%
Aggregate	37846	1%
EMSTARS	4219299	99%
TOTAL	4257145	100%

# FY 23/24 Objectives



**Uniformity**  
Increase % of EMS  
emergency run  
reports submitted in  
compliance with  
**NEMESIS Version 3.5**  
to 80% by  
September 30, 2024

**63.1%**  
↑  
**26.8%**





# V3.5 Implementation

## Vendor State of Readiness

**11 vendors validated to  
submit V3.5  
(up by 3)**

Vendor	Validated
ESO Solutions	Yes
Zoll -Rescurnet	Yes
Image Trend, Inc.	Yes
Documed	Yes
EMSCharts, Inc.	Yes
SafetyPad	
American Medical Response	
Digitech	Yes
EPR Systems USA Inc	Yes
Truamasoft LLC	Yes
Emergency Reporting	
EMS Consultants Ltd.	
Cloud PCR LLC	
Metro pcr - Saffire Software	Yes
Stryker formerly Physio-Control (Sansio)	
Creatie EMS	
FIREHOUSE Software, A Xerox Solution	
Beyond Lucid	Yes
Traumasoft, LLC	Yes



# FY 23/24 Objectives



## Uniformity/Accuracy

**Publish an update to the Florida Data Dictionary with business rules for NEMESIS 3.5.1 by September 30, 2024.**

- ✓ **Monthly updates to State Data Set**
- ✓ **Quarterly Business Rules under review**
- ✓ **Florida Data Dictionary update for V3.5 slated for June 2024 – on target**
- ✓ **V3.5.1 changes under review – Revised target 12/24 - standard not final**

# FY 23/24 Objectives



## Completeness

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

- ✓ **Participate in NEMESIS Technical advisory calls – biweekly**
- ✓ **Participate in NASEMSO calls – monthly or as scheduled**

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

- ✓ **EMSAC Data Committee**  
**1/10/24 – completed**  
**6/14/24 - scheduled**

# FY 23/24 OBJECTIVES



## Accuracy

Monitor and report (quarterly) on a minimum of three data quality measures in addition to the NEMESIS data quality measures by September 30, 2024 (Measure data quality around 3 state Clinical performance measures).

### Overall NEMESIS 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

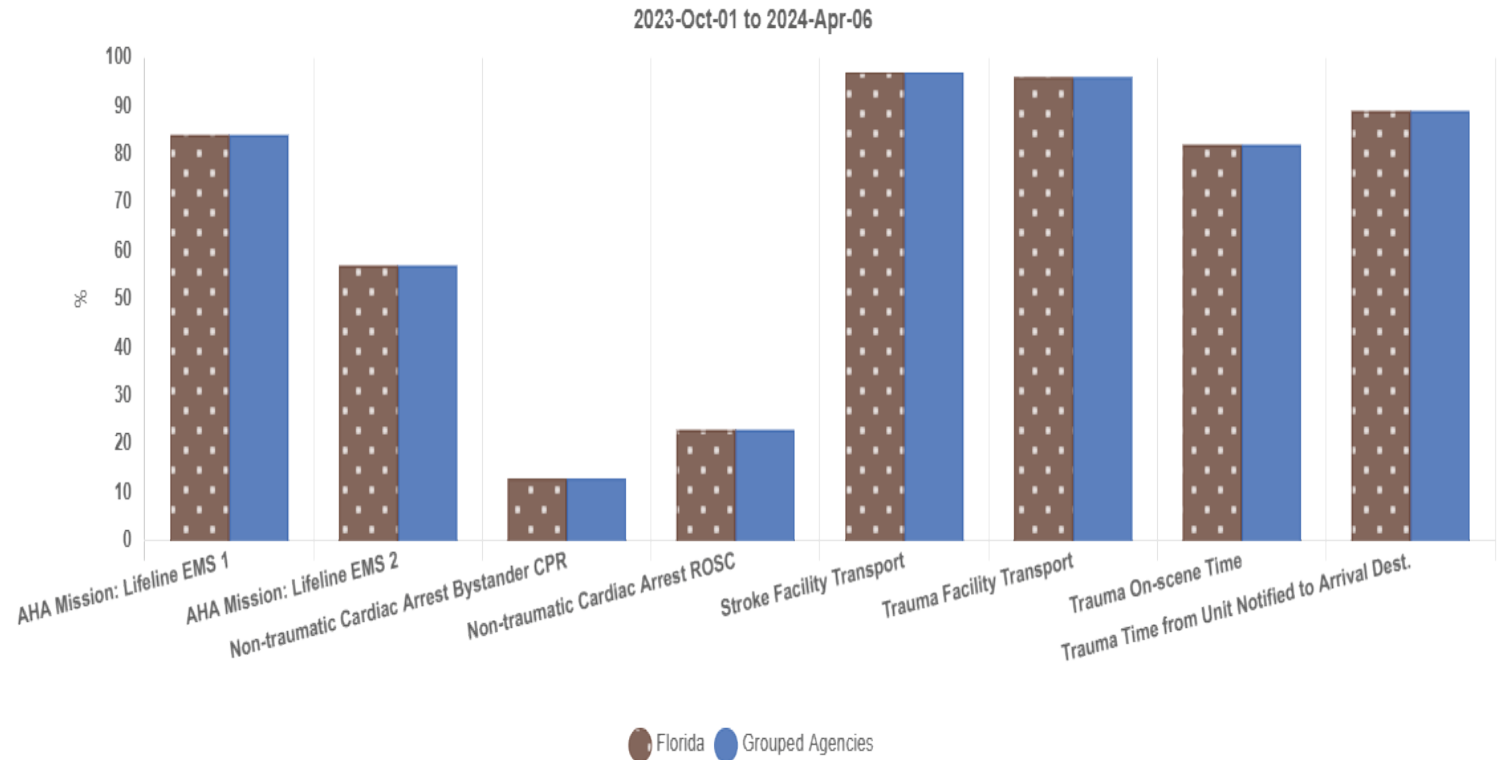


# FY 23/24 OBJECTIVES

## EMS Clinical Performance Measures

### Accuracy

Monitor and report (quarterly) on a minimum of three data quality measures in addition to the NEMESIS data quality measures by September 30, 2024 (Measure data quality around 3 state Clinical performance measures).



Clinical measures apart of Regional Coordinators Site Visits

# FY 23/24 OBJECTIVES



## DATA QUALITY SCORE

### Dashboard

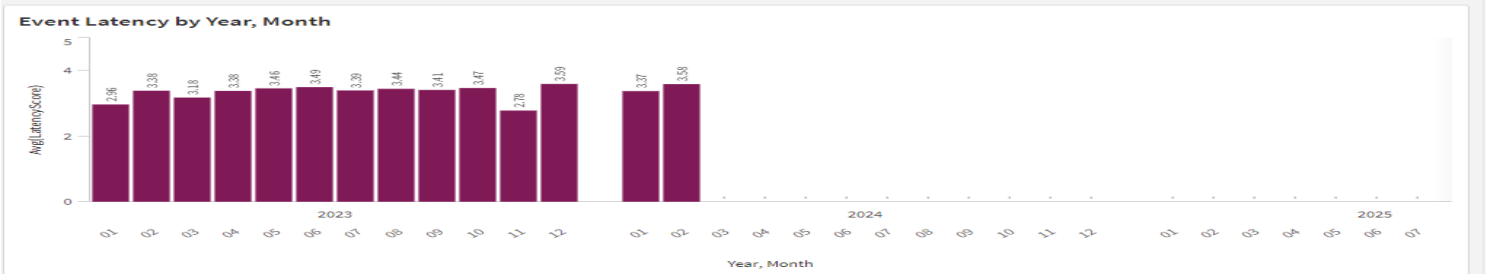
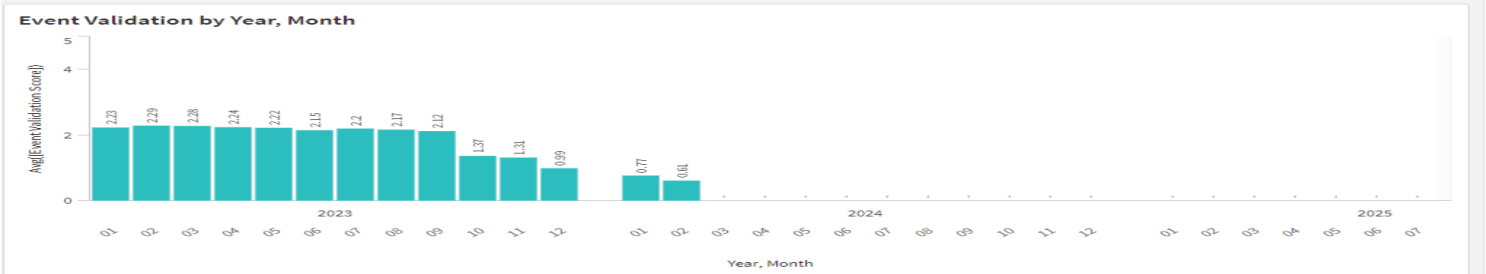
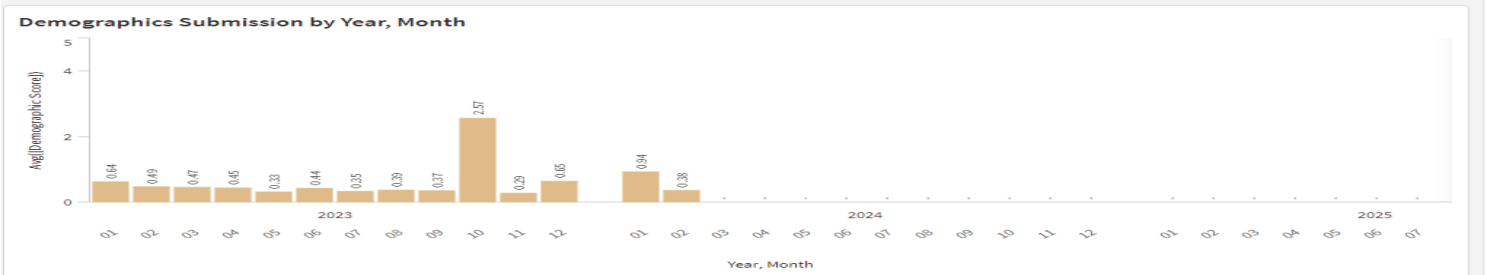
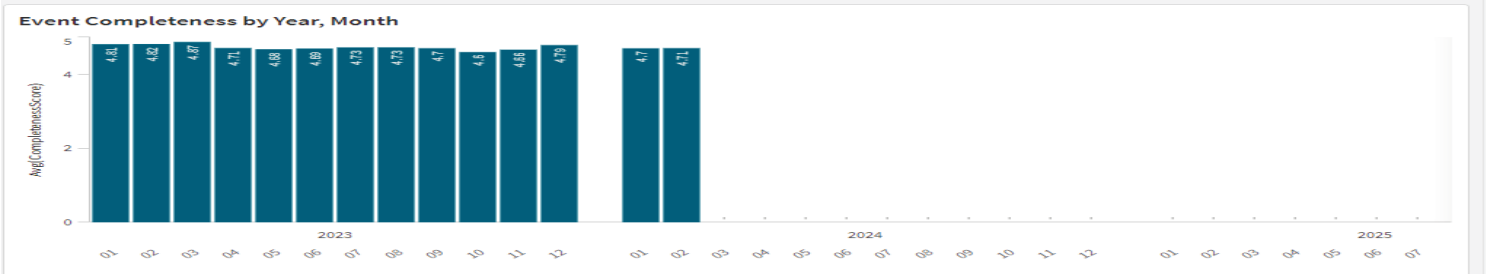
COMPLETENESS

TIMELINESS

ACCURACY

TIMELINESS

Data Quality Scores provided Monthly to Regional Coordinators for review with Agencies as needed



# FY 23/24 OBJECTIVES

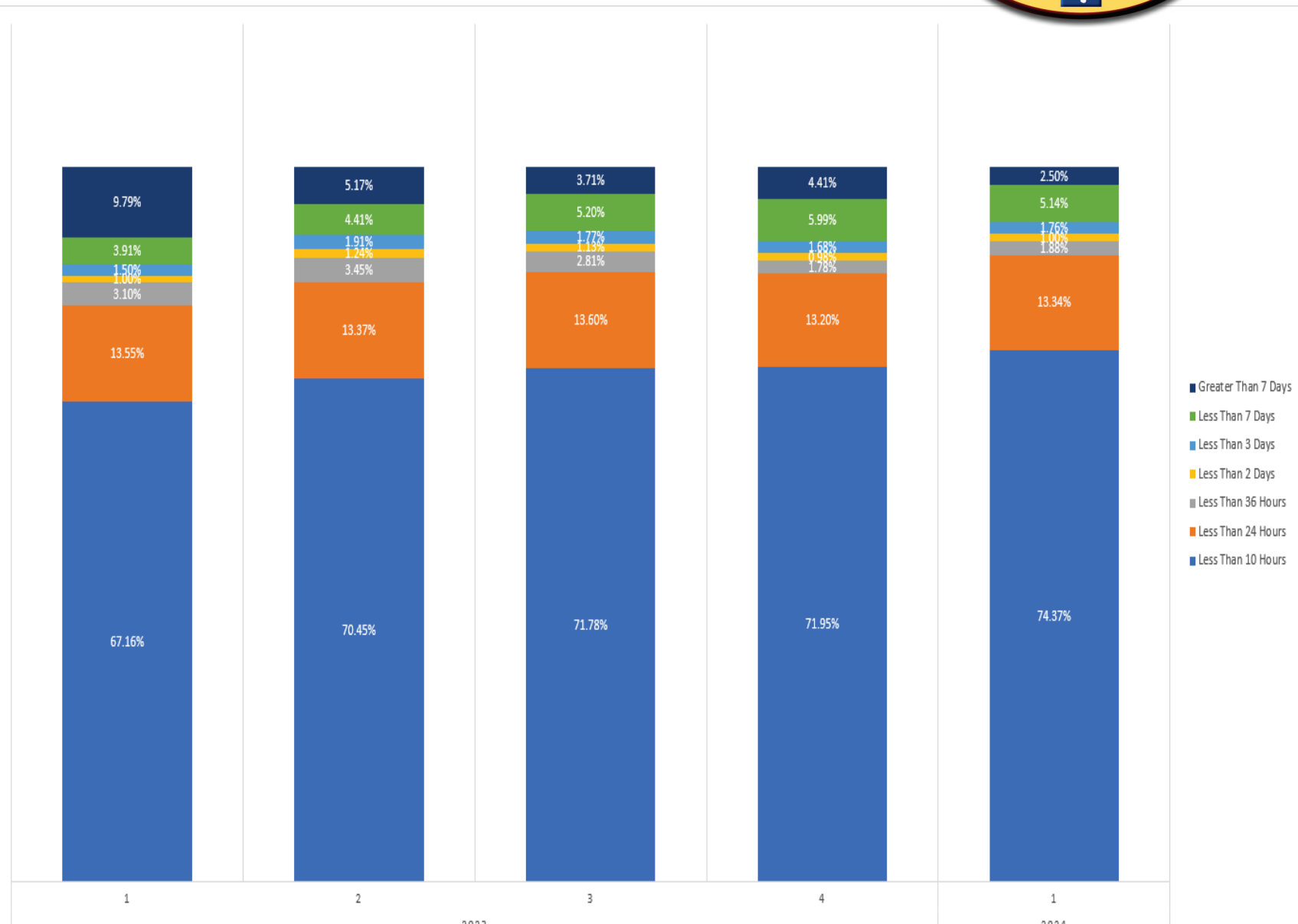


## Timeliness

Increase % of V3 EMS emergency run reports received within 10 hours of the run to 70% by September 30, 2024

**74.37%**  
Qtr 1 2024

(87.7% within 24Hr)





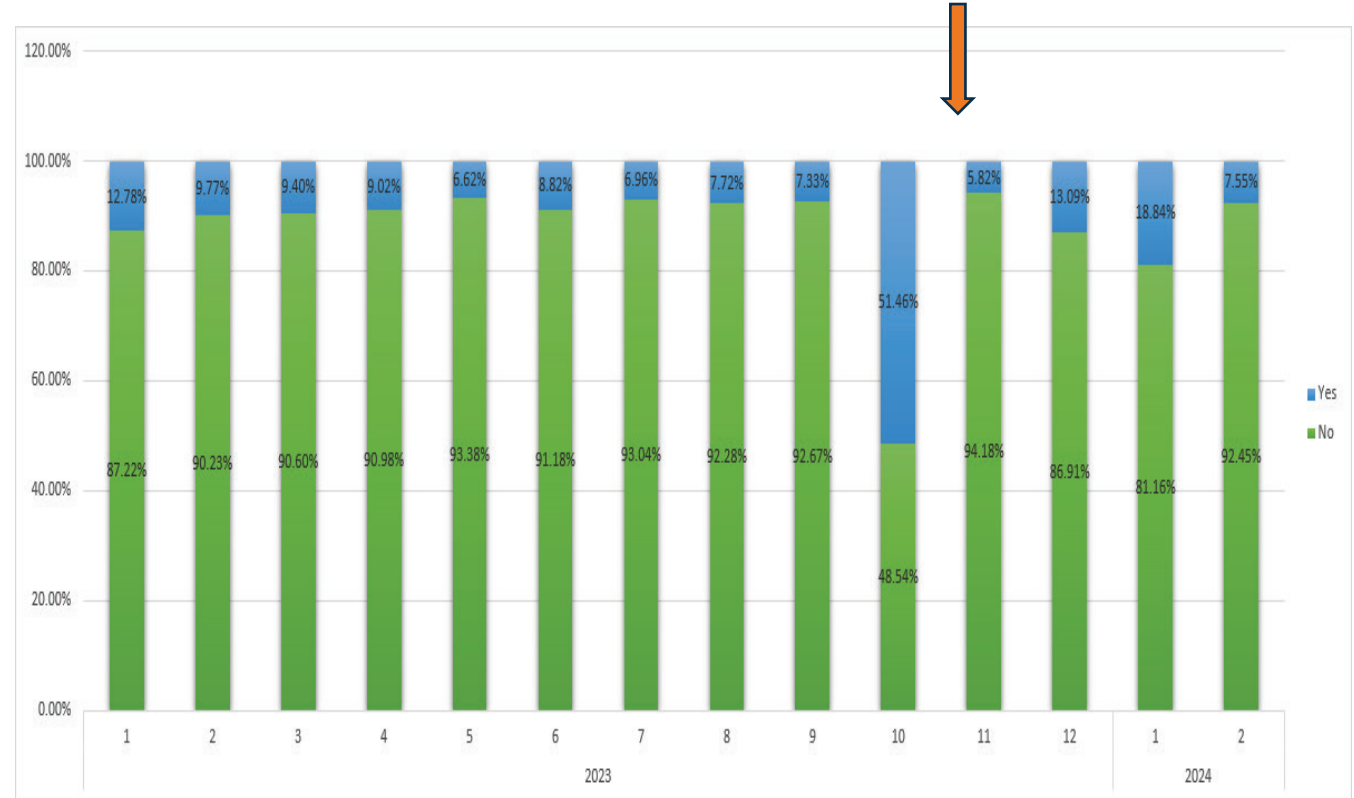
# FY 23/24 Objectives



## Timeliness

Increase % of agency Demographic records resubmissions received every 30 days by September 30, 2024

7.55%



- ✓ Baseline – 8.92% as of 8/23
- ✓ 50% - Monitoring/Reporting on measurements – Move to 3.5 -10/23
- ✓ 7.55 - %3/24 Drop due to new policy implementation

# FY 23/24 Objectives



## Integration

Link two additional data sources to the EMS state repository by September 30, 2024.

### Current integrations within Biospatial

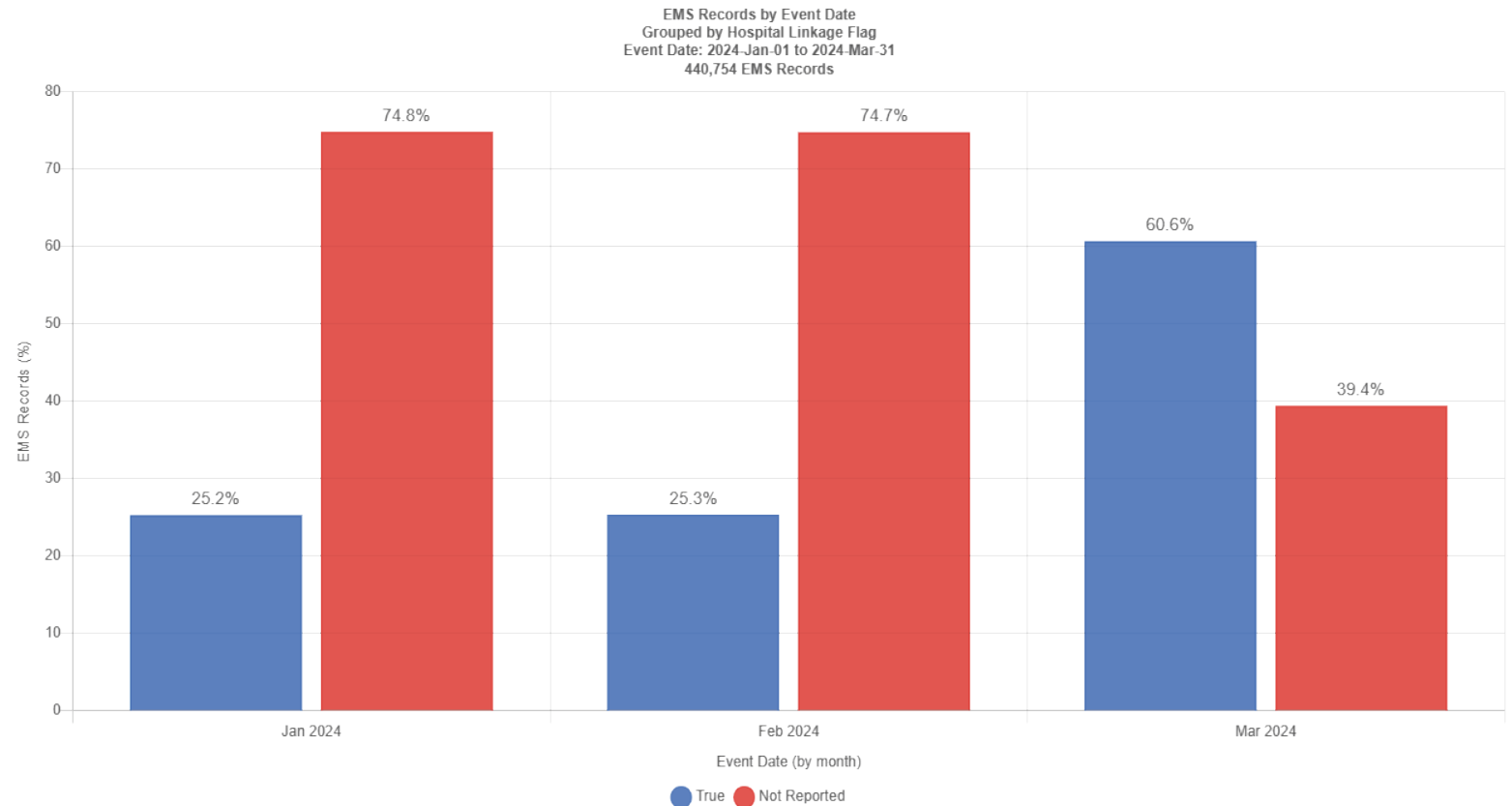
- Health Information Exchange
- Crash Records – *automated feed TBD – waiting for MOU finalization*
- ESSENSE Integration
- Trauma Data (no formal linkage)
- Florida Stroke Registry in progress
  - ✓ Requirements – complete
  - ✓ Implementation – 10/23
    - ✓ Data Use Agreement executed
    - ✓ Export configuration completed



# Florida HIE Linkage – 60.6%



## Integration



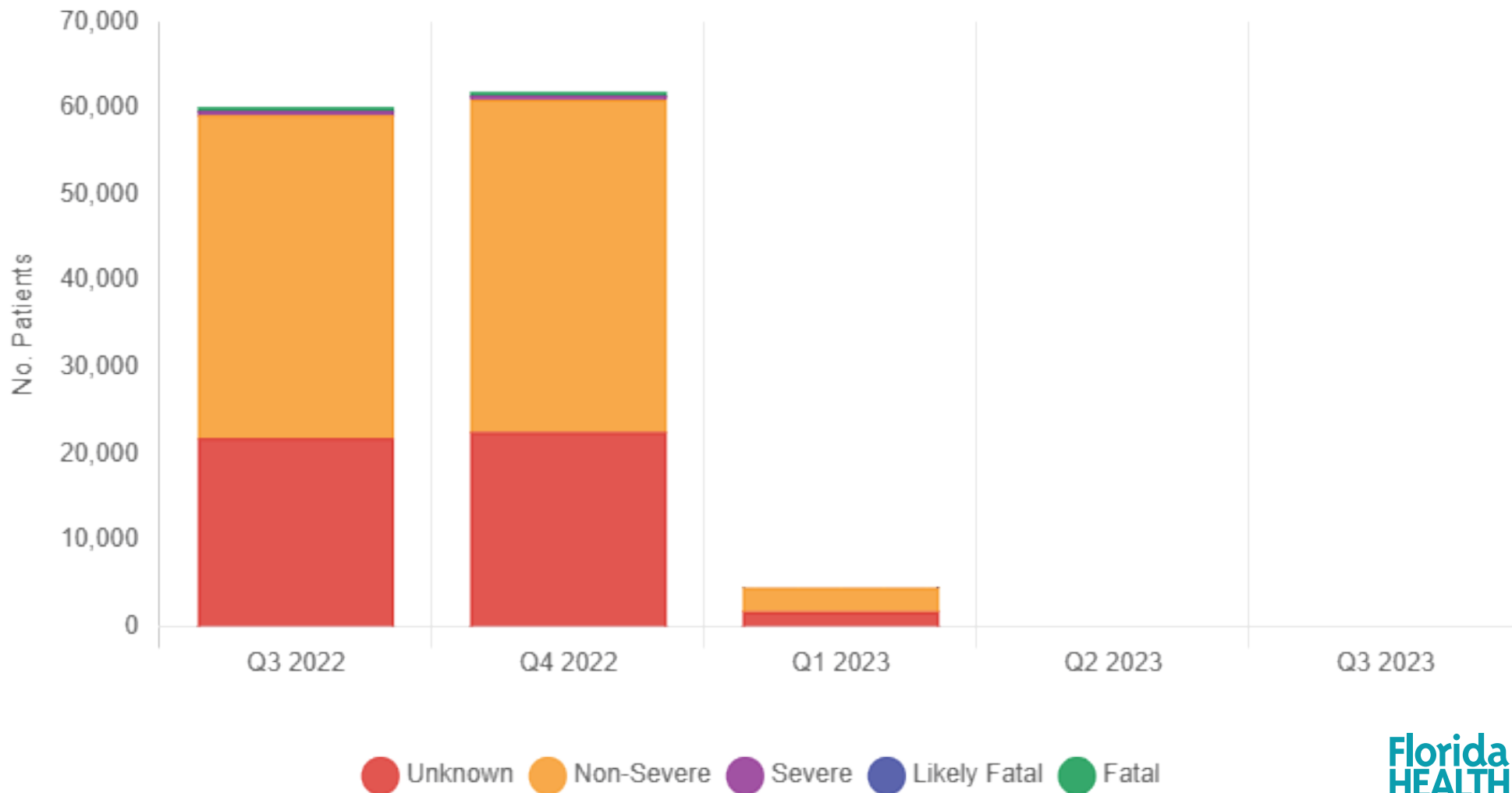


# Linked EMS/Crash Data



**Integration**  
MOU in progress

Injury Severity Resulting from Motor Vehicle Crashes  
2022-Jul-01 to 2023-Sep-14  
Total Patients: 126,430



# FY 23/24 Objectives

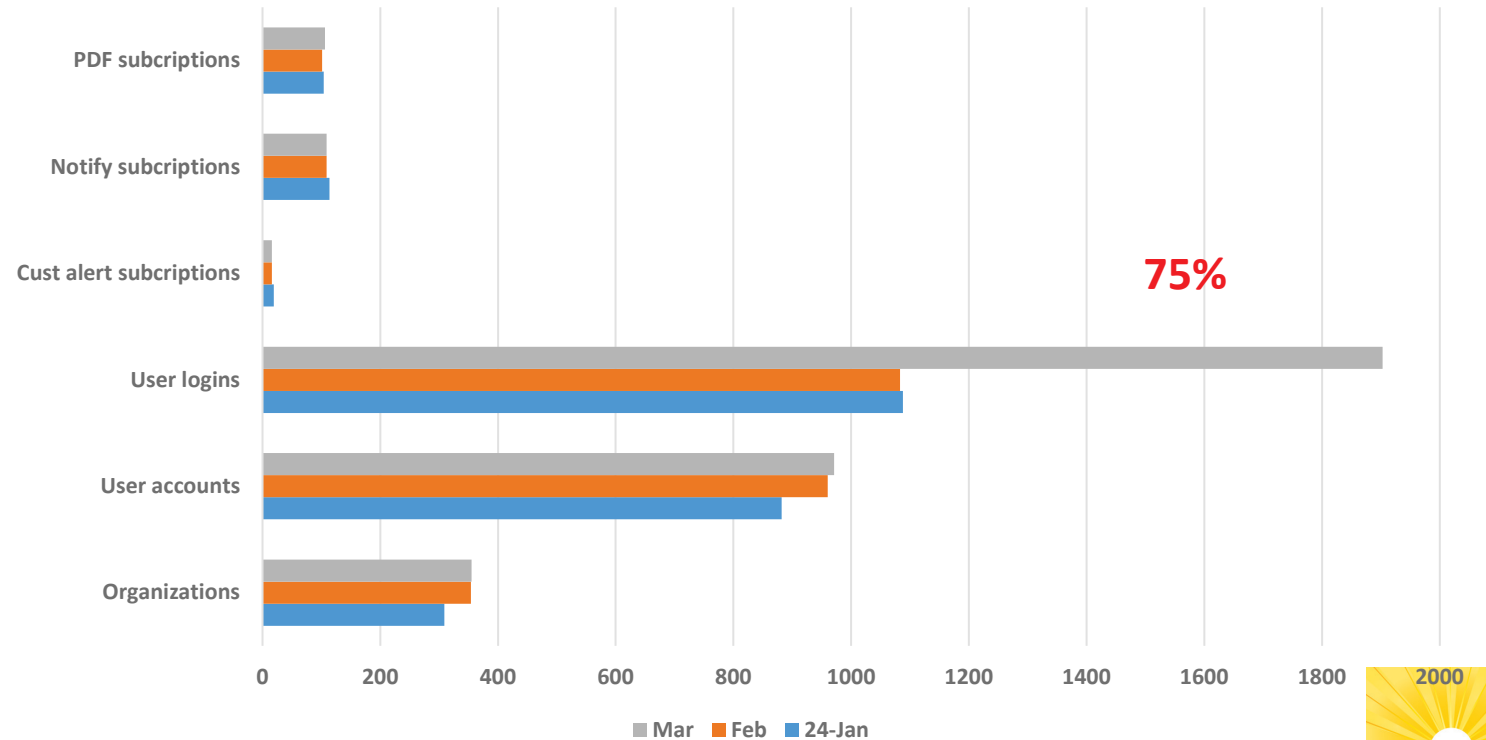


## Accessibility

### Work in Progress

- Continuing to utilize biospatial for repository and data accessibility
  - ❖ Increase provider utilization of Biospatial reporting from 10% to 50%

Utilization Stats 2024



# FY 24/25 Concept Objectives



1. Increase the percentage of EMS agencies submitting to the state incident level repository to 99% by September 30, 2025 (currently at 84% as of February 1, 2024).
2. Increase the percentage of EMS emergency run reports submissions to the state repository to 100% by September 30, 2025 (currently at 98% as of February 1, 2024).
3. Increase the percentage of EMS emergency run reports submitted in compliance with NEMSIS Version 3.5 to 100% by September 30, 2025 (currently 52% as of February 1, 2024).
4. Publish an update to the Florida Data Dictionary consistent with minor release NEMSIS V3.5.1 by September 30, 2025.
5. Participate in the NEMSIS Technical Advisory Conference and NASEMSO annual meetings to finalize the implementation strategy for national standards revisions.
6. Conduct three EMS Advisory Council Data Committee work sessions to continue maintaining Florida data standards, business rules, and implementation best practices consistent with NEMSIS.
7. 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 three state clinical performance measures.)
8. Increase the percentage of V3 EMS emergency run reports received within 10 hours of the run to 97% by September 30, 2025 (currently 86% as of February 1, 2024).
9. Increase the percentage of agency demographic records resubmissions received every 30 days to 60% by September 30, 2025 (currently 10% as of February 1, 2024).
10. Link two additional data sources to the EMS state repository by September 30, 2025 (currently at 3 as of February 1, 2024)

# FY 24/25 Concept Budget



	FY 23/24		FY 24/25	
	DOT FY24/25	EMS Trust Fund 24/25	Coverdell	DOT FY24/25
				EMS Trust Fund 24/25
<b>Contractual Services</b>				
Project Manager	\$ 94,961.00	\$ 42,612.00		\$114,784.50
Business analyst	\$ 146,000.00	\$ 20,400.00		\$135,040.00
Data Modeler/Data Mig.	\$ 146,000.00	\$ 20,400.00		\$143,990.00
Business intelligence analyst	\$ 70,000.00	\$ -		\$119,000.00
			\$ 96,720.00	
Travel	\$ 9,265.00			\$ 14,800.00
	\$ 466,226.00	\$ 83,412.00		\$ 527,614.50
<b>Net Change</b>				<b>\$ 61,388.50</b>
				\$10,578.00



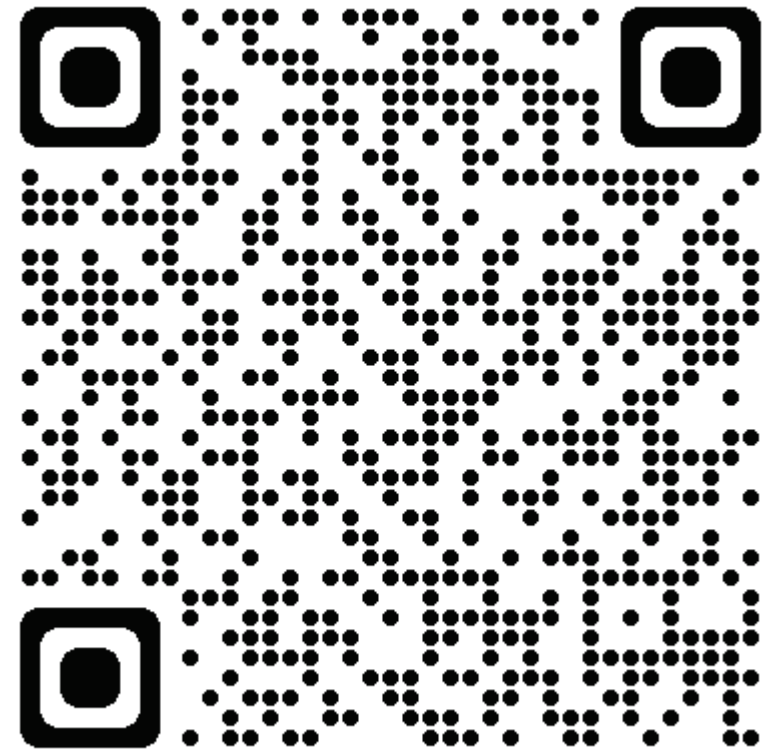
# EMS Field Data Collection



**We appreciate your continued support.**



Brenda Clotfelter  
Data Unit / Bureau of  
Emergency Medical Oversight  
727-424-4530  
[Brenda.clotfelter@flhealth.gov](mailto:Brenda.clotfelter@flhealth.gov)



[www.floridaemstars.com](http://www.floridaemstars.com)



# ***TRAFFIC AND CRIMINAL SOFTWARE (TRACS) SUPPORT & ENHANCEMENT, AND TRAINING***

*Florida State University*



FLORIDA STATE  
UNIVERSITY

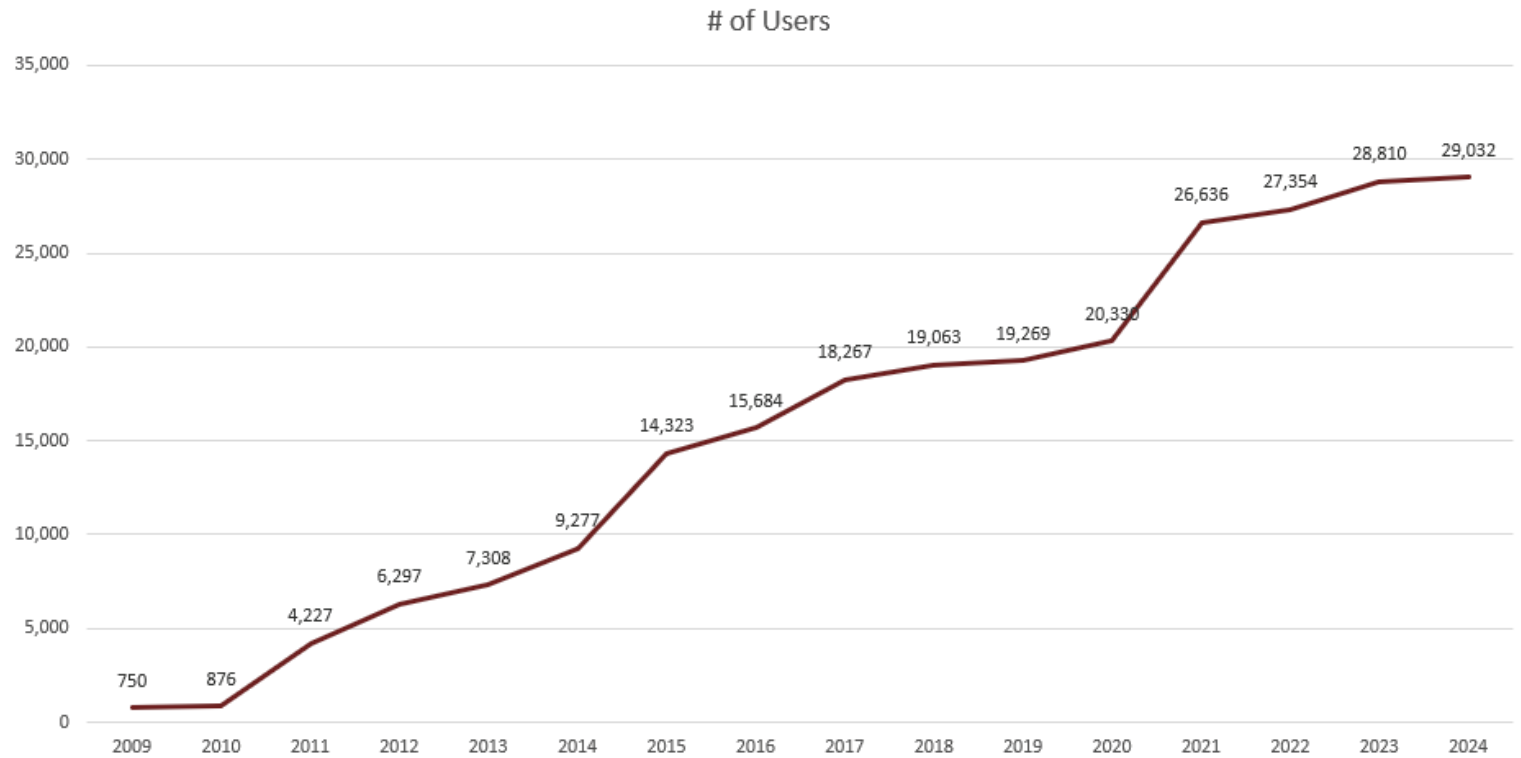
March 29, 2024

# TRAFFIC AND CRIMINAL SOFTWARE



# TraCS Growth - Users

- Users
  - 2008: 750
  - 2023: 29,032

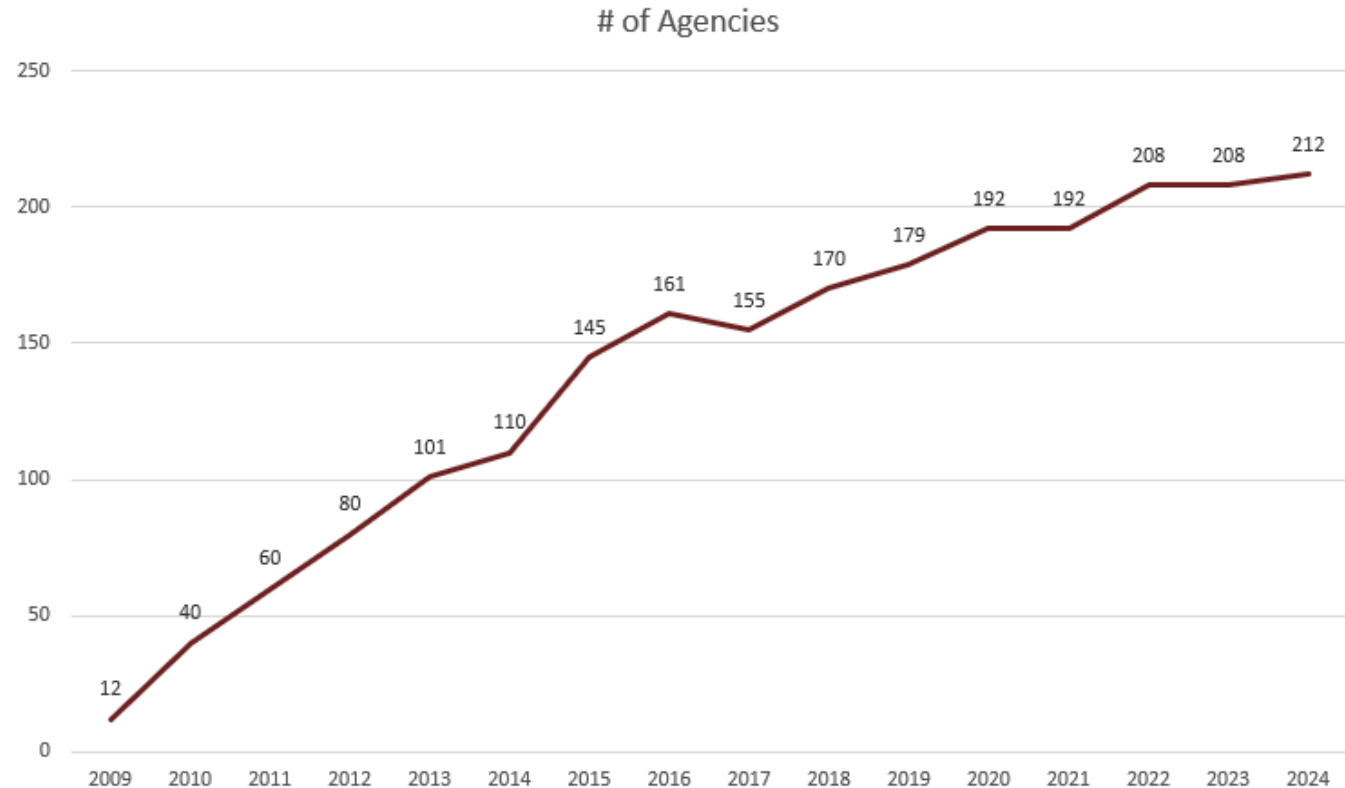






# TraCS Growth - Agencies

- Agencies
  - 2008: 12
  - 2024: 212





# Objective: Accuracy

- FY23-24 Q1: 99.98%
- To maintain the low number of load errors for crash reports submitted electronically to FLHSMV using TraCS at less than one percent.



# Objective: Completeness

- FY23-24 Q1: 57.99%
- To maintain or increase the total percentage of statewide **crash reports** submitted electronically by agencies using the TraCS Florida software.



# Objective: Completeness

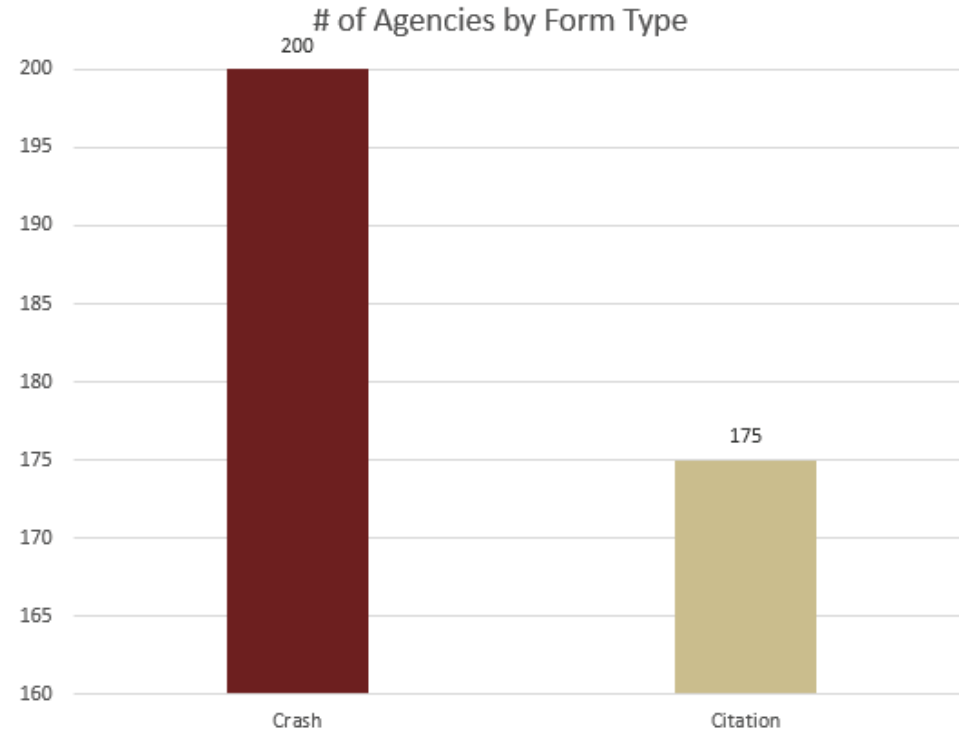
- [Approved eCrash vendors](#) (REV. 6/19/23)
  1. TraCSFlorida (~ 57%)
  2. SmartCop (FHP ~32%, do not have stats for their other agencies)
    - **TraCS + FHP using SmartCop ~ 90%**
  3. Superior
  4. Aptean
  5. USA-Software
  6. Southern Software
  7. Tyler Tech (Brazos)
  8. IyeTek/LexisNexis CopLogic Solutions
  9. Bay County IT
  - **All the rest combined plus non-FHP SmartCop agencies < 10%**





# Objective: Uniformity

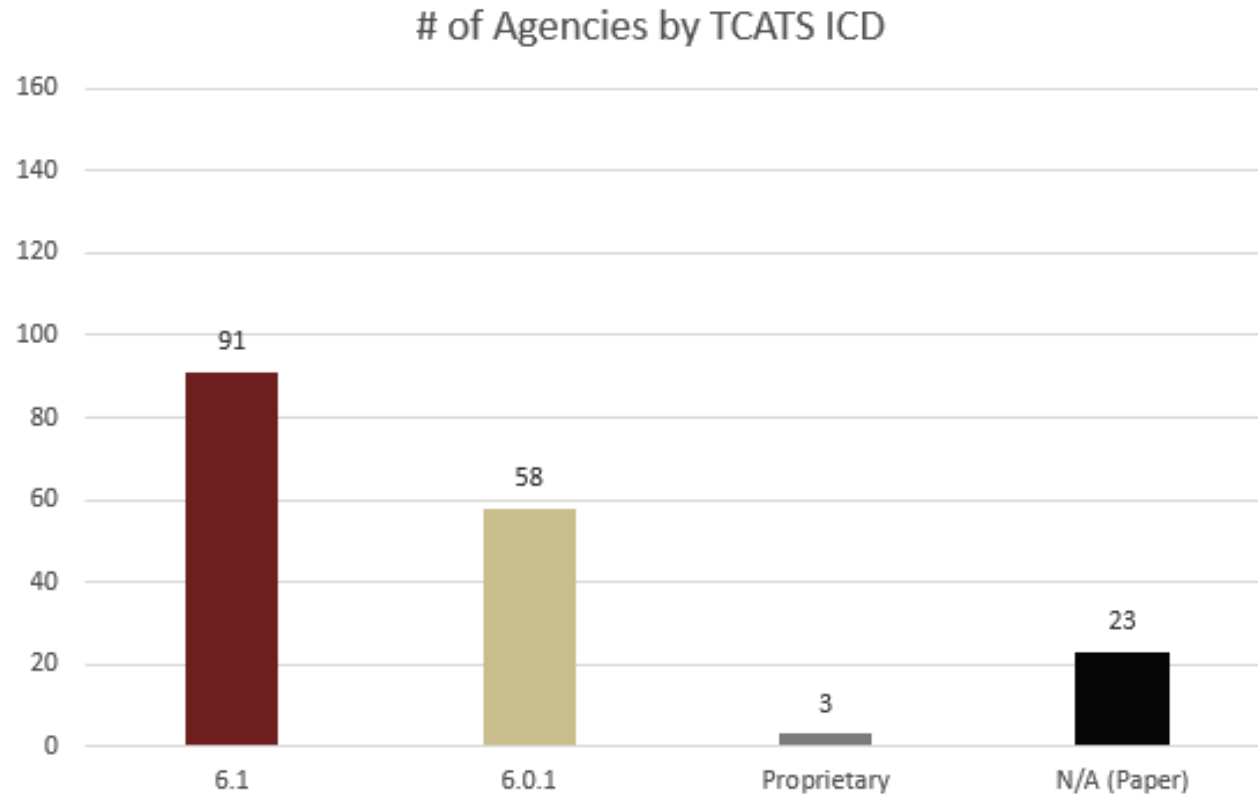
- To improve uniformity in data collection methods.





# Objective: Uniformity

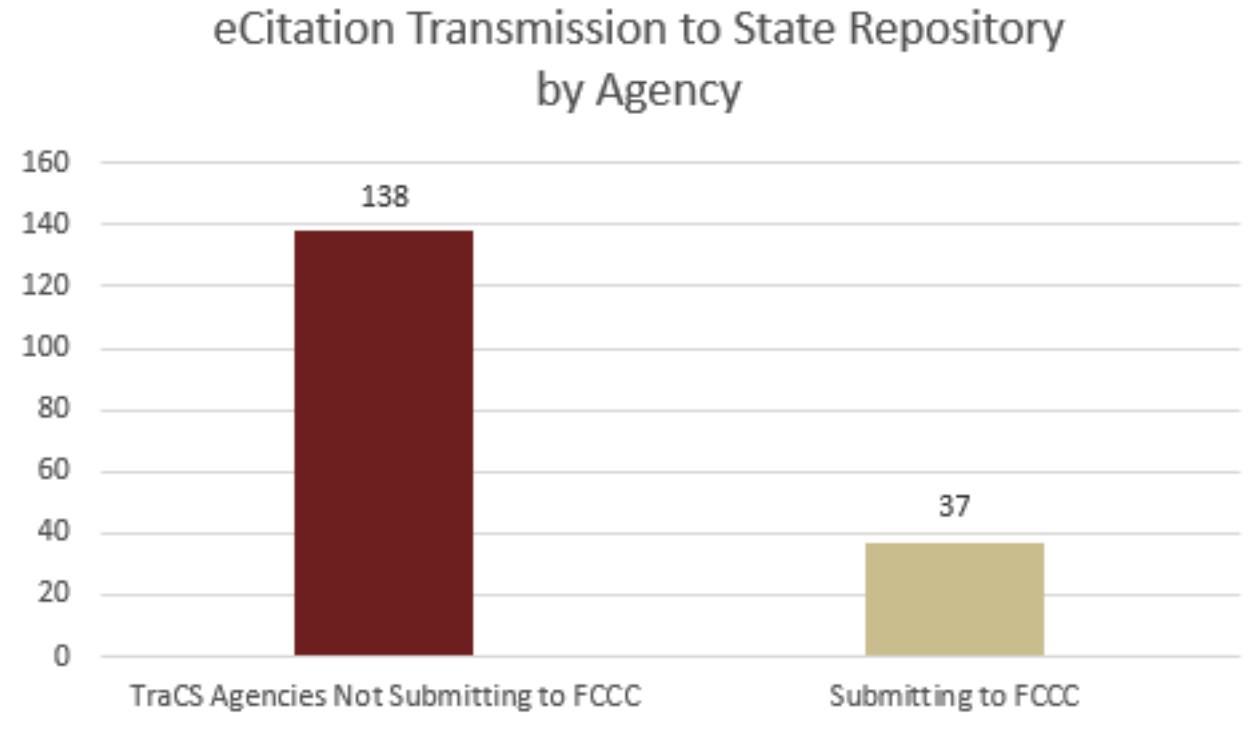
- To improve uniformity in data collection methods.
- Agencies are submitting paper in Broward, Escambia, & Volusia counties
- SAO's & Miccosukee PD do not transmit





# Objective: Uniformity

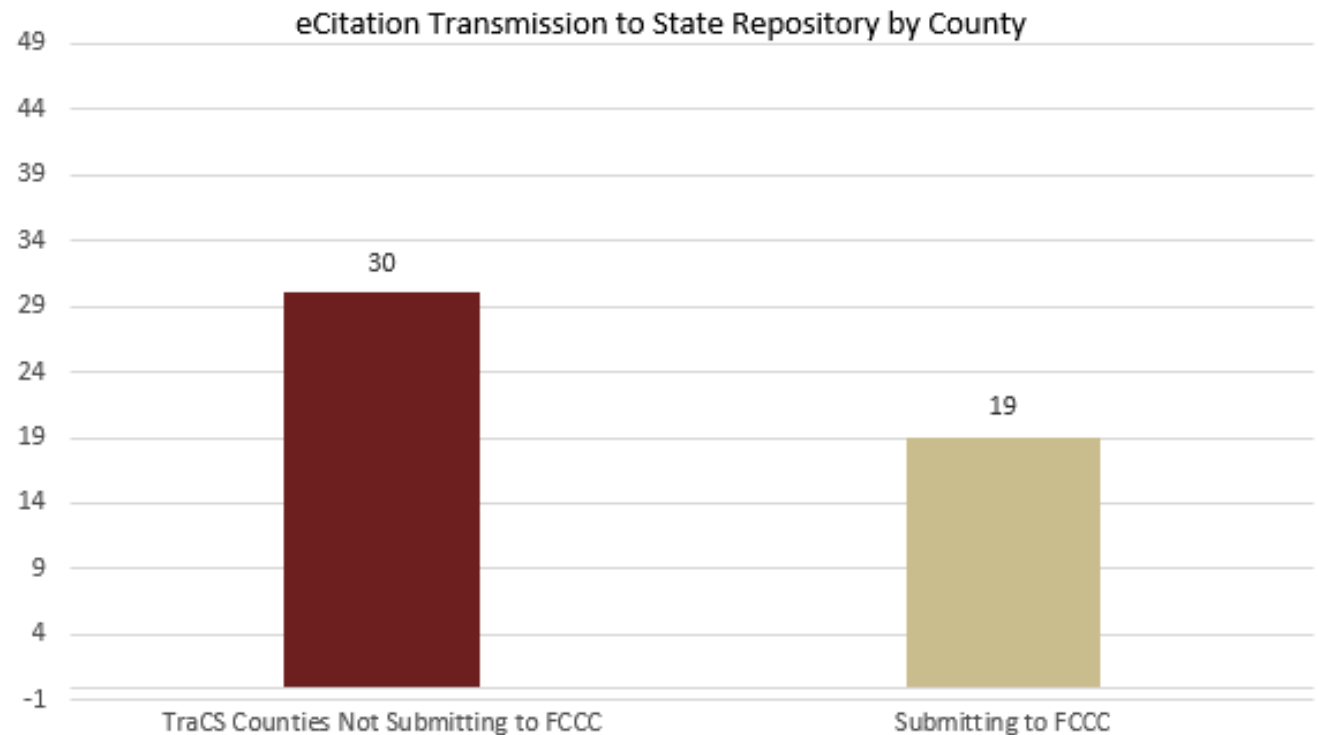
- Submitting to the FCCC (state citation repository)





# Objective: Uniformity

- Agencies in 49 counties use TraCS for citations
- 19 of these counties submit citations directly to the FCCC



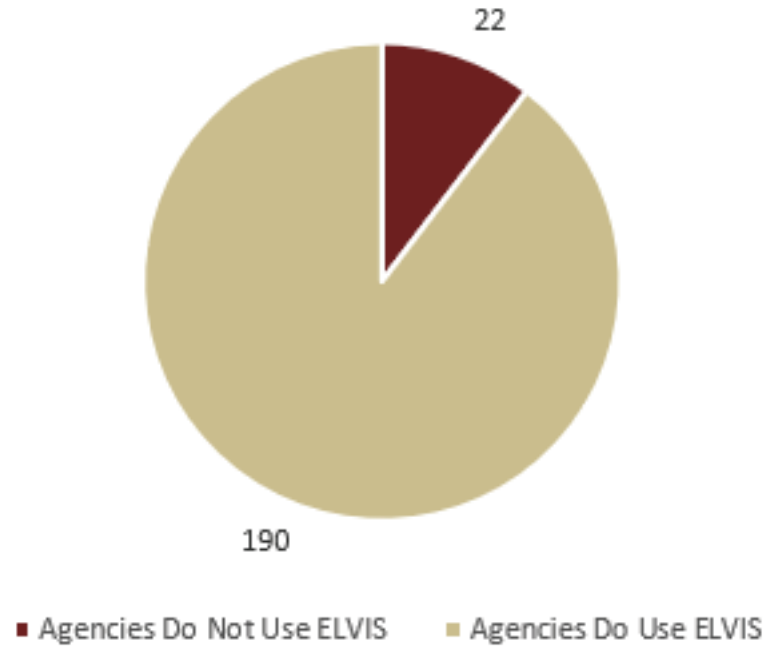




# Objective: Integration

- To maintain the number of agencies using FCIC/NCIC interfaces.
  - Over 99% using an FCIC/NCIC interface

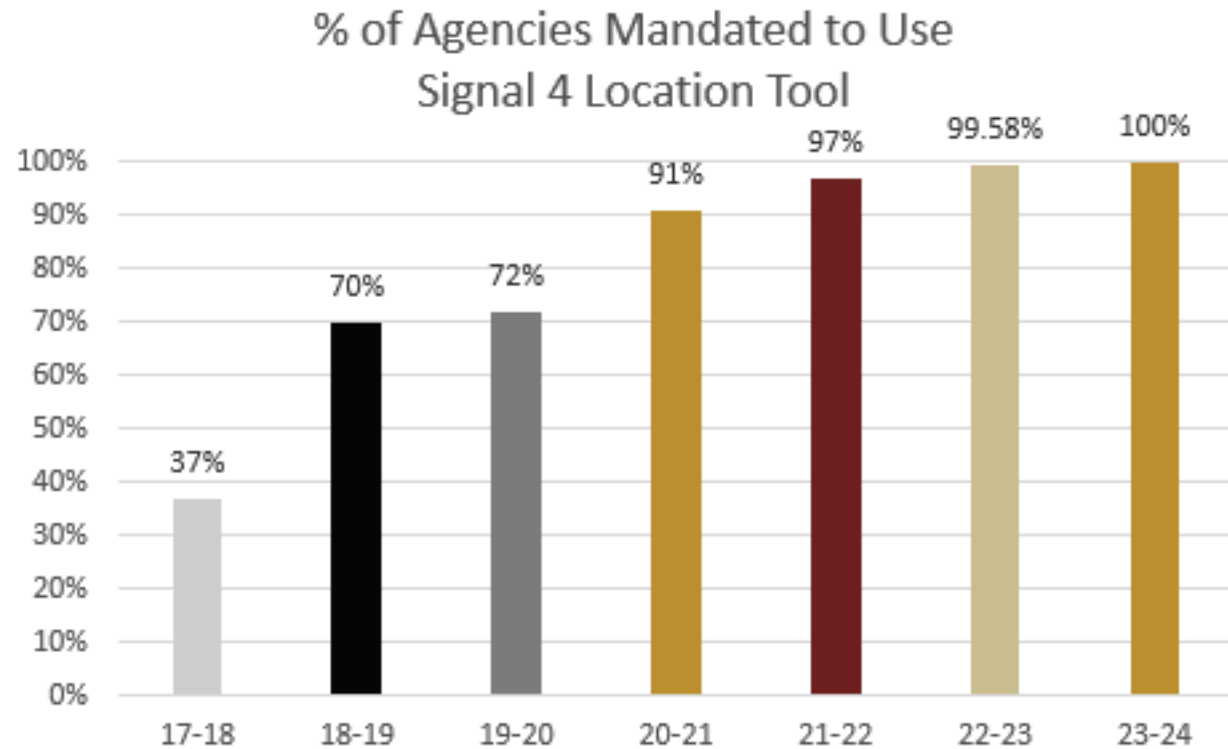
TraCS-ELVIS Integration Use





# Objective: Integration

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

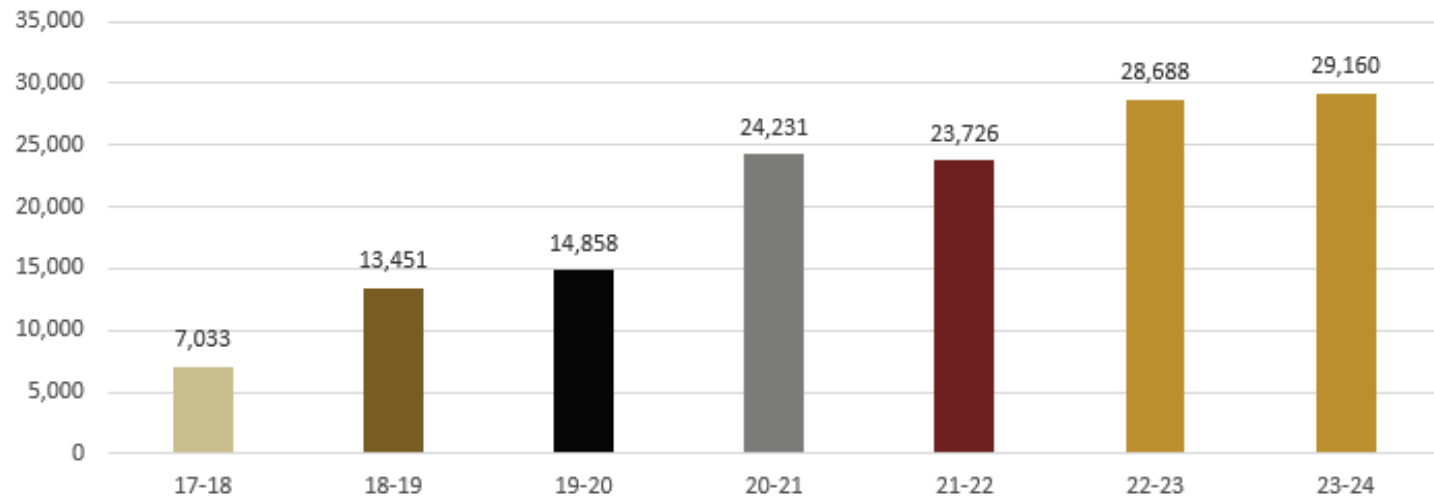




# Objective: Integration

- To increase the number of TraCS agencies using a location tool to plot accidents on the crash form.

# of Users Mandated to Use  
Signal 4 Location Tool

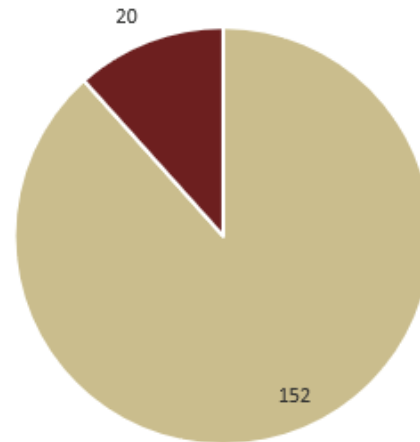




# Objective: Integration

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

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



■ # of Agencies NOT Mandated ■ # of Agencies Mandated



# Objective: Integration

- **143 agencies** using the Signal 4 Diagram Tool
  - 200 total agencies using TraCS for crash reporting





# Objective: Integration

- The following **Roadway Information** parameters are passed from the location tool and crash report to the Diagram tool:
  - Street Address #
  - Crash Occurred on Street, Road, Highway
  - At/From Intersection With Street, Road, Highway
  - Type of Intersection
- Roadway information now updates on crash report when changes are made to the location through the diagram tool.

ROADWAY INFORMATION						
ROAD SYSTEM IDENTIFIER			AT STREET ADDRESS #	CRASH OCCURRED ON STREET, ROAD, HIGHWAY		
AT FEET	OR MILES	Direction	AT/FROM INTERSECTION WITH STREET, ROAD, HIGHWAY	AT LATITUDE	AND LONGITUDE	
STREET LIST USED?	Locator Used? No	OR FROM MILEPOST #	SECTOR	TYPE OF SHOULDER	TYPE OF INTERSECTION	



# Objective: Integration

- The following **Vehicle** parameters are passed from the location tool and crash report to the Diagram tool:

- Manner Of Collision
- First Harmful Event
- Vehicle number
- Body type
- Vehicle Special Function
- CMV Config
- Cargo Type
- Color Code
- Travel Direction
- Impact Area
- Maneuver

VEHICLE										
VEHICLE #	HIT AND RUN	VEHICLE YEAR	VEH LICENSE #	STATE	VEHICLE MAKE	VEHICLE STYLE	VEHICLE COLOR	VIN		
PERM. REG.	REG. EXPIRES	VEHICLE MODEL	VEHICLE STATUS	EXTENT OF DAM.	EST. DAM. \$	TOWED DUE TO DAMAGE	VEHICLE REMOVED BY	ROTATION		
INSURANCE COMPANY (DRIVER)					INSURANCE POLICY NUMBER					
CHECK IF OWNER IS BUSINESS OR THE GOVERNMENT <input type="checkbox"/>	NAME OF BUSINESS OWNER			FIRST NAME	MIDDLE NAME	LAST NAME	SUFFIX	DOB		
CURRENT ADDRESS			CITY	STATE	ZIP CODE	HOME/WORK PHONE #	EMAIL ADDRESS			
TRAILER YEAR	TRAILER 1 LICENSE #	STATE	PERM. REG.	REG. EXPIRES	VIN	MAKE	LENGTH	AXLES		
TRAILER YEAR	TRAILER 2 LICENSE #	STATE	PERM. REG.	REG. EXPIRES	VIN	MAKE	LENGTH	AXLES		
DIRECTION	ON STREET, ROAD, HIGHWAY					AT EST. SPEED	POSTED SPEED	TOTAL LANES		
CHECK IF COMMERCIAL <input checked="" type="checkbox"/>	CMV CONFIGURATION									
CARGO BODY TYPE										
COMM GVWR/GCWR	TRAILER TYPE (TRAILER ONE)			TRAILER TYPE (TRAILER TWO)						
HAZ. MAT. RELEASE	HAZ. MAT. PLA	NUMBER	CLASS							
MOTOR CARRIER NAME				US DOT NUMBER						
MOTOR CARRIER ADDRESS				CITY	STATE	ZIP CODE	PHONE NUMBER			
COMMON-COMM	VEHICLE BODY TYPE	VEHICLE DEFECTS (1)	VEHICLE DEFECTS (2)	EMERGENCY VEHICLE USE	UNIT #	SPECIAL FUNCTION OF MV				
VEHICLE MANEUVER ACTION		TRAFFICWAY	ROADWAY GRADE	ROADWAY ALIGNMENT	TRAFFIC CONTROL FOR THIS VEHICLE					

AREA OF INITIAL IMPACT  MOST DAMAGED AREA

18 UNDERCARRIAGE 18  
19 OVERTURN 19  
20 WINDSHIELD 20  
21 TRAILER 21



# Objective: Integration

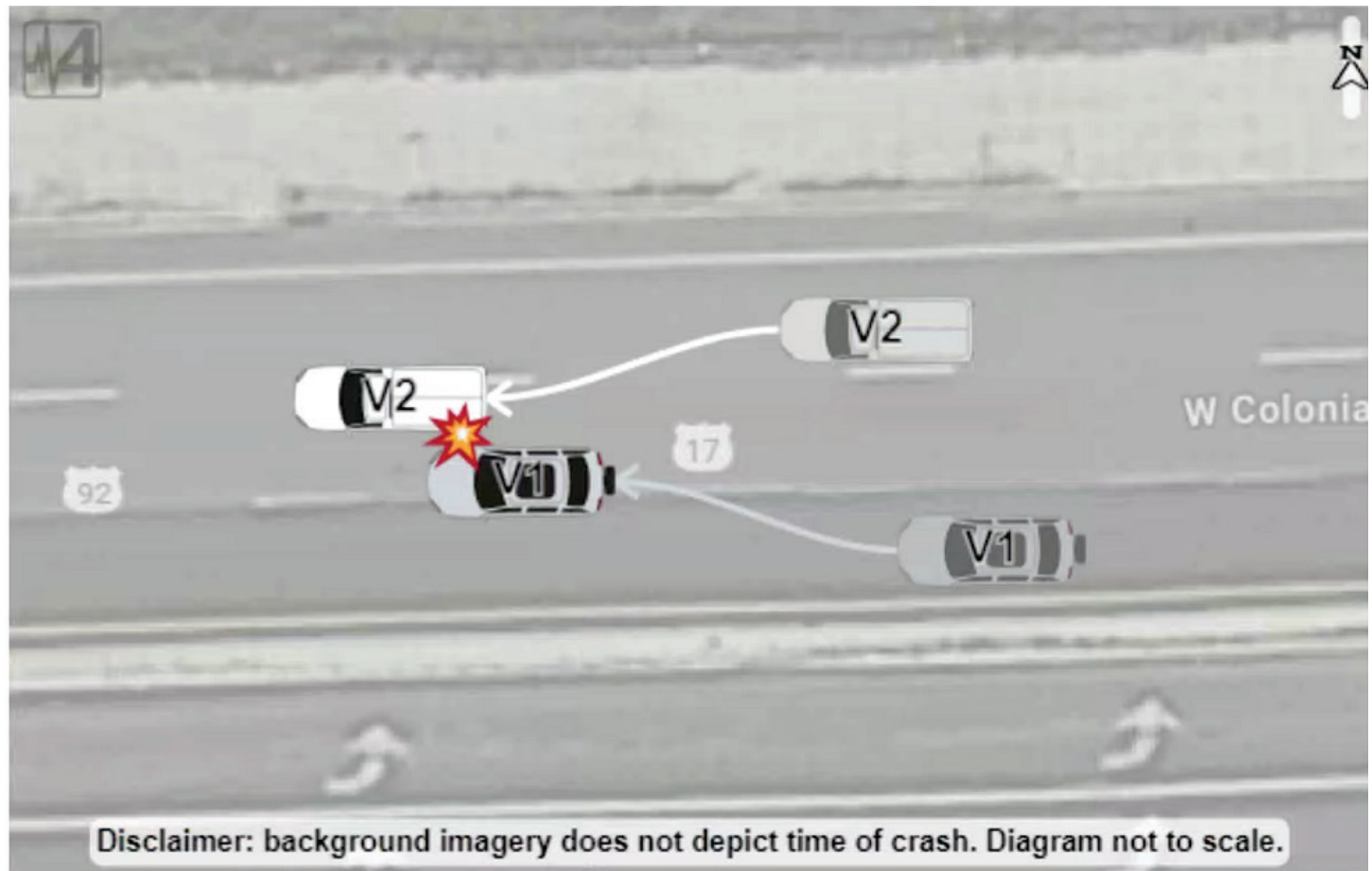
- The following **Non-Motorist** parameters are passed from the location tool and crash report to the Diagram tool:
  - Non-Motorist Number
  - Non-Motorist Description
    - Pedestrian
    - Bicycle

NON-MOTORIST										
PERSON #		NAME				ADDRESS				
1										
CITY			STATE	ZIP CODE		SEX	DOB	PHONE NUMBER	INJURY SEVERITY	SCOOTER?
NON-MOTORIST DESCRIPTION				NON-MOTORIST ACTIONS PRIOR TO CRASH			NON-MOTORIST LOCATION AT TIME OF CRASH			
NON-MOTORIST ACTIONS/CIRCUMSTANCES (FIRST)			NON-MOTORIST ACTIONS/CIRCUMSTANCES (SECOND)			NON-MOTORIST SAFETY EQUIPMENT (FIRST)		NON-MOTORIST SAFETY EQUIPMENT (SECOND)		
SUSP. ALCOHOL USE	ALCOHOL TESTED	ALCOHOL TEST TYPE	ALCOHOL TEST RESULT	BAC		SUSPECTED DRUG USE	DRUG TESTED		DRUG TEST TYPE	DRUG TEST RESULT
POSITIVE DRUG TEST RESULTS			EMS AGENCY NAME OR ID		EMS RUN NUMBER	SOURCE OF TRANSPORT TO MEDICAL FACILITY		MEDICAL FACILITY TRANSPORTED TO		



# Objective: Integration

- Sample with 2 vehicles





# Objective: Integration

- Sample w/  
non-motorist  
(pedestrian)

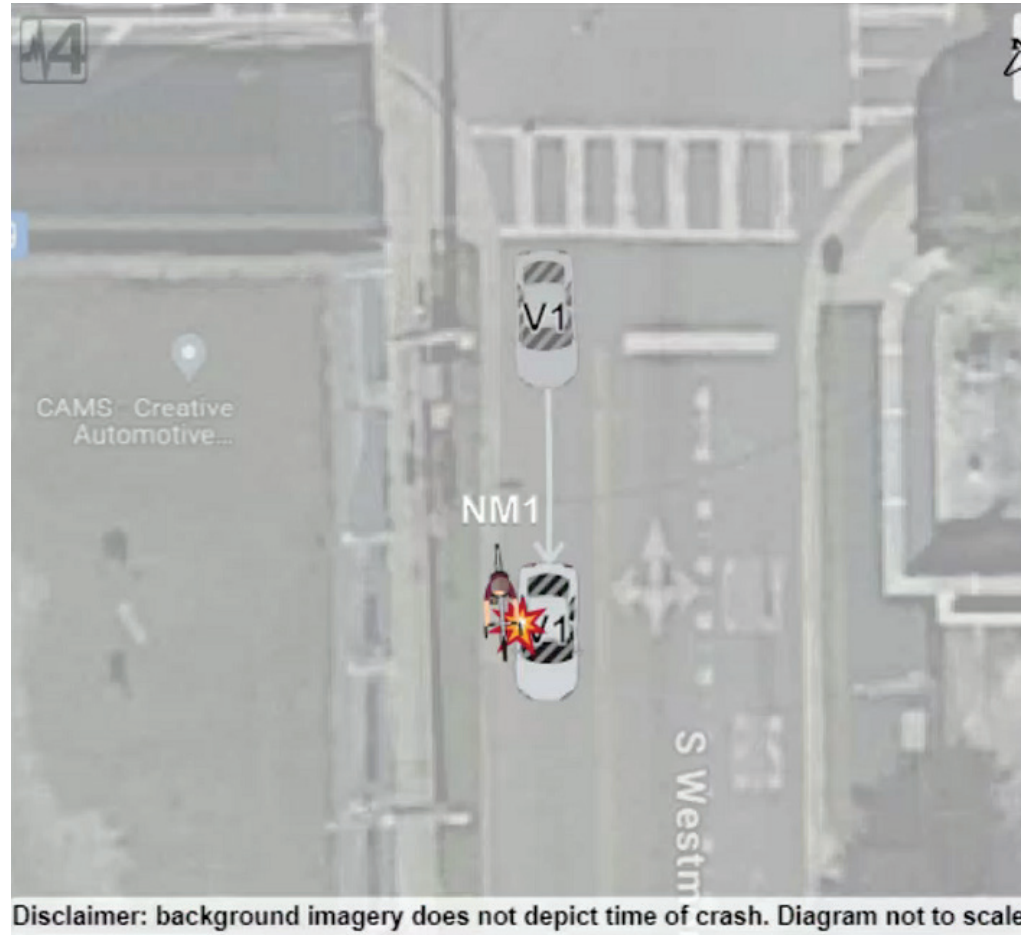






# Objective: Integration

- Sample with non-motorist (bicyclist)





# Objective: Accessibility

- To maintain a primary data hosting site
  - Hosting data for 184 agencies



# Objective: Timeliness

- **FY23-24 Q1: 15.84 day 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.



# FY 23-24

- Support
  - Onboard new agencies
  - Continue support for existing agencies
  - Hire a new support person
    - Job posted, 42 applicants so far
  - Produce more YouTube training videos
  - Update Media Wiki page
  - Hold Webinars
    - In preparation for new releases to discuss changes
  - Migrate citation transmission jobs to submit to the eCitation repository (FCCC)
  - Attend FDOT Law Enforcement Award Ceremony
  - Attend ELVIS User Training



# FY 23-24

- Development
  - Part-time programmer is now full time and in training
  - Integrate Multi-Factor Authentication (MFA) with TraCS for end users (in progress)
    - DUO, Microsoft Authenticator, Google Authenticator, OKTA
  - Maintain state forms and code lists (appendix C, FWC, and FDLE statute tables)
  - 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)
  - Citation submission jobs
    - Error log receipts from FCCC (complete)
    - Error log receipts from Miami-Dade county
  - Continue to provide patches and upgrades to the TraCS software





# FY 23-24

- Infrastructure
  - Deploy SentinelOne (complete)
  - Deploy CrowdStrike (complete)
    - 24/7 monitoring w/ FSU's cyber security center
      - No cost to the grant, this is paid for by FSU
  - Upgrade all servers to Windows 2022 (complete)
  - Add services to hosting site to include a disaster recovery site
    - If additional funding this year can be obtained
  - Deploy new firewall at Panama City PD
  - Manage backups of databases offsite to Panama City PD



# FY 24-25

- Support
  - Continue to onboard new agencies
  - Continue support for existing agencies
  - Continued training for new support person
  - Produce more YouTube training videos
  - Update Media Wiki page
  - Hold Webinars
    - In preparation for new releases to discuss changes
  - Continue to migrate citation transmission jobs to submit to the eCitation repository (FCCC)



# FY 24-25

- Development
  - Integrate Multi-Factor Authentication (MFA) with TraCS for end users (in progress)
    - DUO, Microsoft Authenticator, Google Authenticator, OKTA
  - Maintain state forms and code lists (appendix C, FWC, and FDLE statute tables)
  - Maintain/develop new interfaces for FCIC/NCIC vendors, form number management, barcode readers, and automatic print features
  - Maintain interfaces for the Signal 4 location tool and diagram tool
    - Signal 4 location tool and diagram tool version 3.0 specification changes
      - Improve accessibility of location and diagram tool when offline
      - Improve accuracy of updating Signal 4 with a final form status
  - Maintain/improve web-based analysis reports (location tool usage, diagram tool usage)
  - Continue to provide patches and upgrades to the TraCS software



# FY 24-25

- Infrastructure
  - Add services to hosting site to include a disaster recovery site



# FY 24-25 Budget

	FY 23-24	FY 24-25	Difference
Personnel	\$648,841	\$737,264	+\$88,423
Contractual Services	\$228,700	\$615,000	+\$386,300
Expenses	\$166,105	\$171,375	+\$5,270
Indirect Cost	\$94,354	\$141,776	+\$47,422
<b>Grand Total</b>	<b>\$1,138,000</b>	<b>\$1,665,415</b>	<b>+\$527,415</b>



FLORIDA STATE  
UNIVERSITY

**Thank you for your  
continued support!**





# ***ELECTRONIC LICENSE AND VEHICLE INFORMATION SYSTEM (ELVIS)***

*Florida State University*

# ELVIS

Electronic License and Vehicle  
Information System

www.elvisflorida.org

## ELVIS TRCC UPDATE March 29, 2024

Better Data, Safer Roads.

OR [Tag Number] FL - Florida No CCW

Query Response FRQ [Add Comment](#) [Print Raw R](#)

Vehicle Registration

**This registration may be expired.**


Tag Number	State	Expires
AAA10A	FL	06/30/2009

VIN Number	Make
TESTVIN1	FORD

Year	Color	Style
2000	RED	2D

Decal	Use	Weight	Original
18164769/9	PRIVATE	3400	No

Driver Summary



Full Name	Status
GALINDO-CLINE ONE PAO LICENSE	VALID LICE

License Number	State
L-252-294-61-501-0	FL

Height	Race	Sex

First Registered Owner

Full Name
LICENSE, GALINDO-CLINE ONE PAO

License Number	Sex	Date of Birth
L252294615010	F	01/01/1961



FAMU-FSU  
COLLEGE OF ENGINEERING

Grant funding provided by the  
Florida Department of Transportation



# Welcome!

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## Team Members

- Dr. Lisa Spainhour, Principal Investigator
- Zoe Williams, Program Manager
- Margaret Edwards, Systems Administrator
- Bud Dasher, Support



# March 2024 Statistics

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## Current ELVIS Usage

- 281 Agencies (+5 since December)
- 35,217 user accounts (+2,500 since December)
- 9,185,917 queries run this fiscal year
- Nearly 1.53M queries per month
  - Increase of ~200,000 queries per month over December numbers

# FY23-24

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- **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
  - Mark43
  - LexisNexis
  - FINDER
  - Others

- **Security Features**

- Beta Testing Microsoft SSO and One-Time Passwords
- Adding additional security software and appliances (Cloud Strike, etc)
- Migrating domain and e-mail to FSU servers
- Many changes to FBI CJIS Security Policy over the last year

- **Accessibility**

- New agencies continue to be brought on board
  - Highlands County SO
  - Lantana Police Department
  - Okaloosa County SO
  - Village of Key Biscayne Police Department
  - Williston Police Department
  - Winter Haven Police Department
- Added 5 new agencies since December meeting
- 2,500 new users
- Increase of approx. 200,000 queries per month since last TRCC meeting
- Evaluating future hardware requirements based on continuing increase in usage and current limitations
- Last FY up-time was 99.51% averaged over the entire year
- **Funding Request (FY24-25)**
  - Increase from \$521,327 to \$632,875 (+ \$111,548)
  - Hiring New Developer (up to \$70,000 + benefits)
  - Hosting Increase @ TPD from \$7,500 to \$10,000

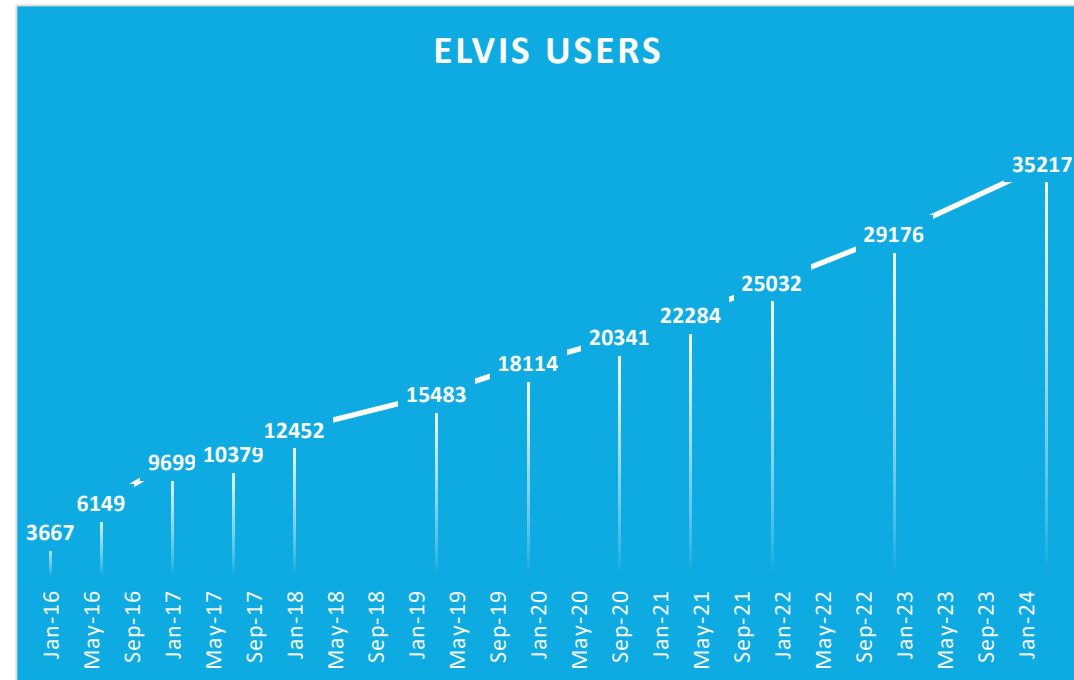
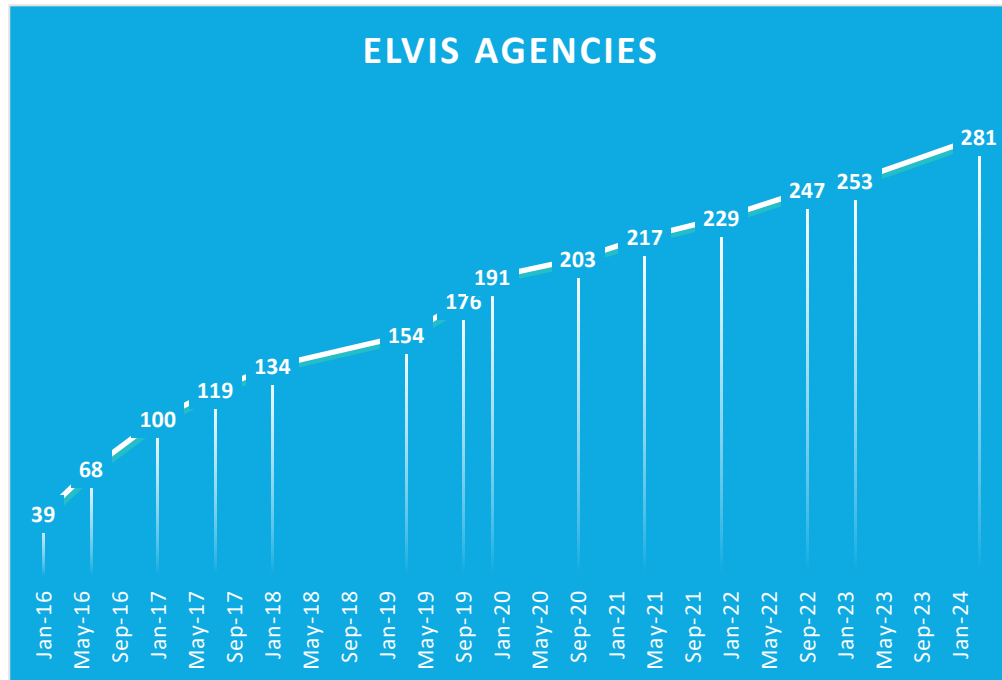
# ELVIS Usage over time, 2016-Present

## Law Enforcement Agencies

- 1/2016: 39
- 3/2024: 281

## User Accounts

- 1/2016: 3,667
- 3/2024: 35,217





# ELVIS Cost per User

FY23-24 Total Funding Request: \$521,327

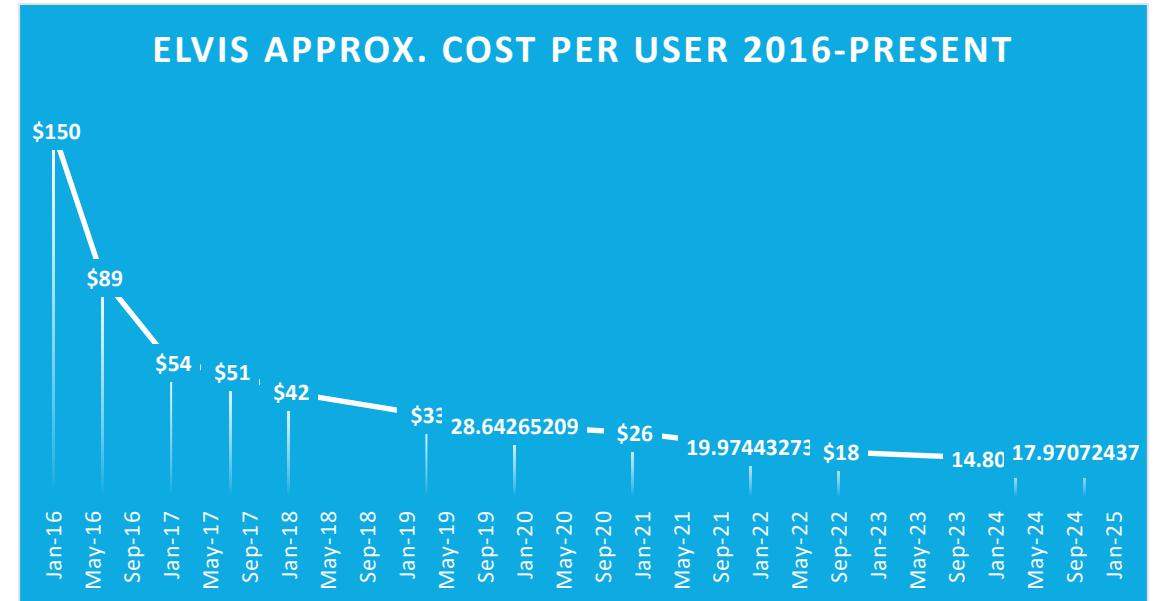
FY24-25 Total Funding Request: \$632,875

Difference: + \$111,548

Total users (as of 3/28/24): 35,217

Avg. Cost Per User: \$14.80

Est. Avg. Cost Per User (FY24-25): \$17.97



# Thank You

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QUESTIONS?



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

*University of Florida*

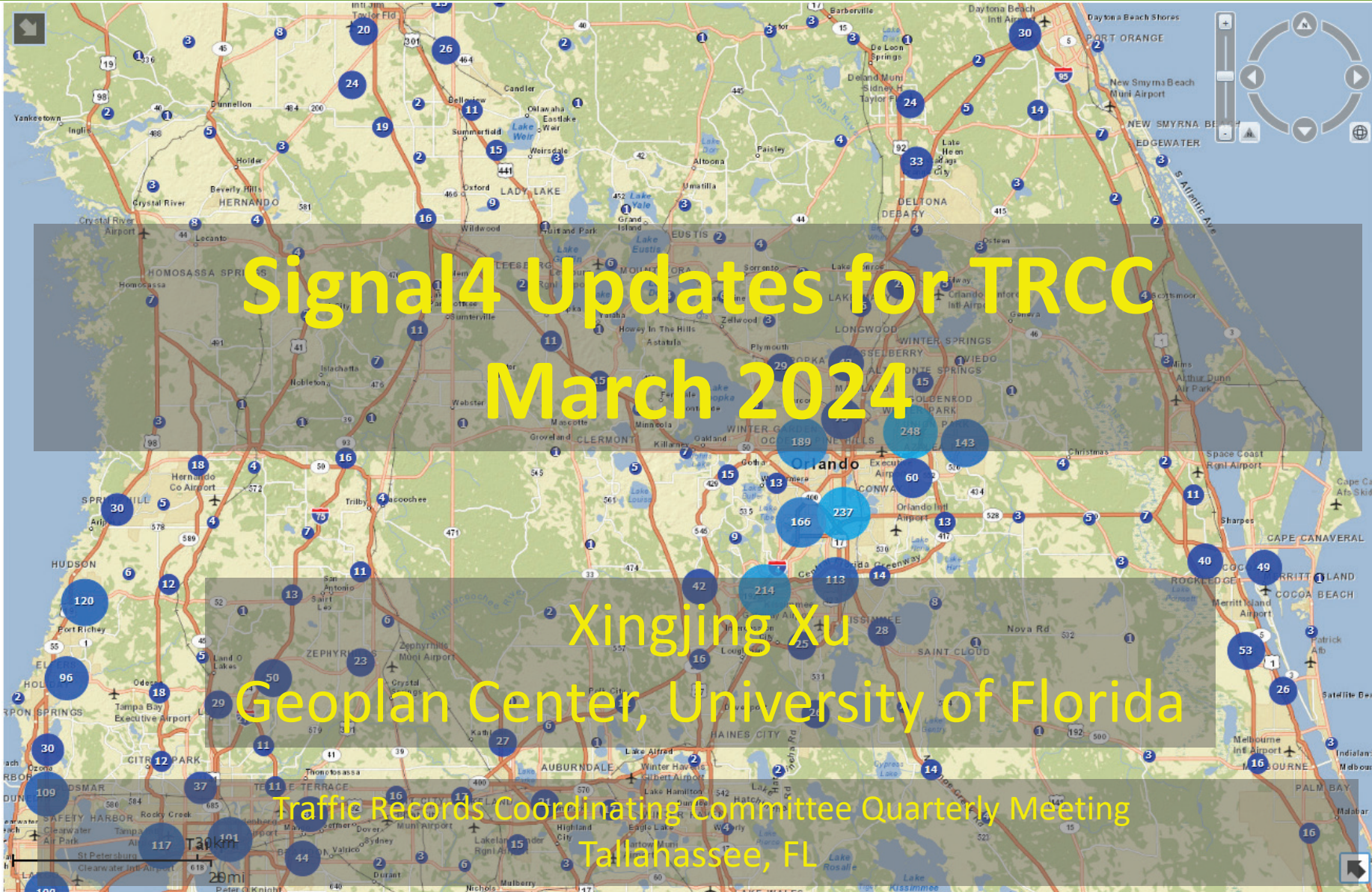




# ***GEOLOCATION & CRASH DIAGRAMMING TO IMPROVE CRASH DATA LOCATION TIMELINESS AND QUALITY***

*University of Florida*



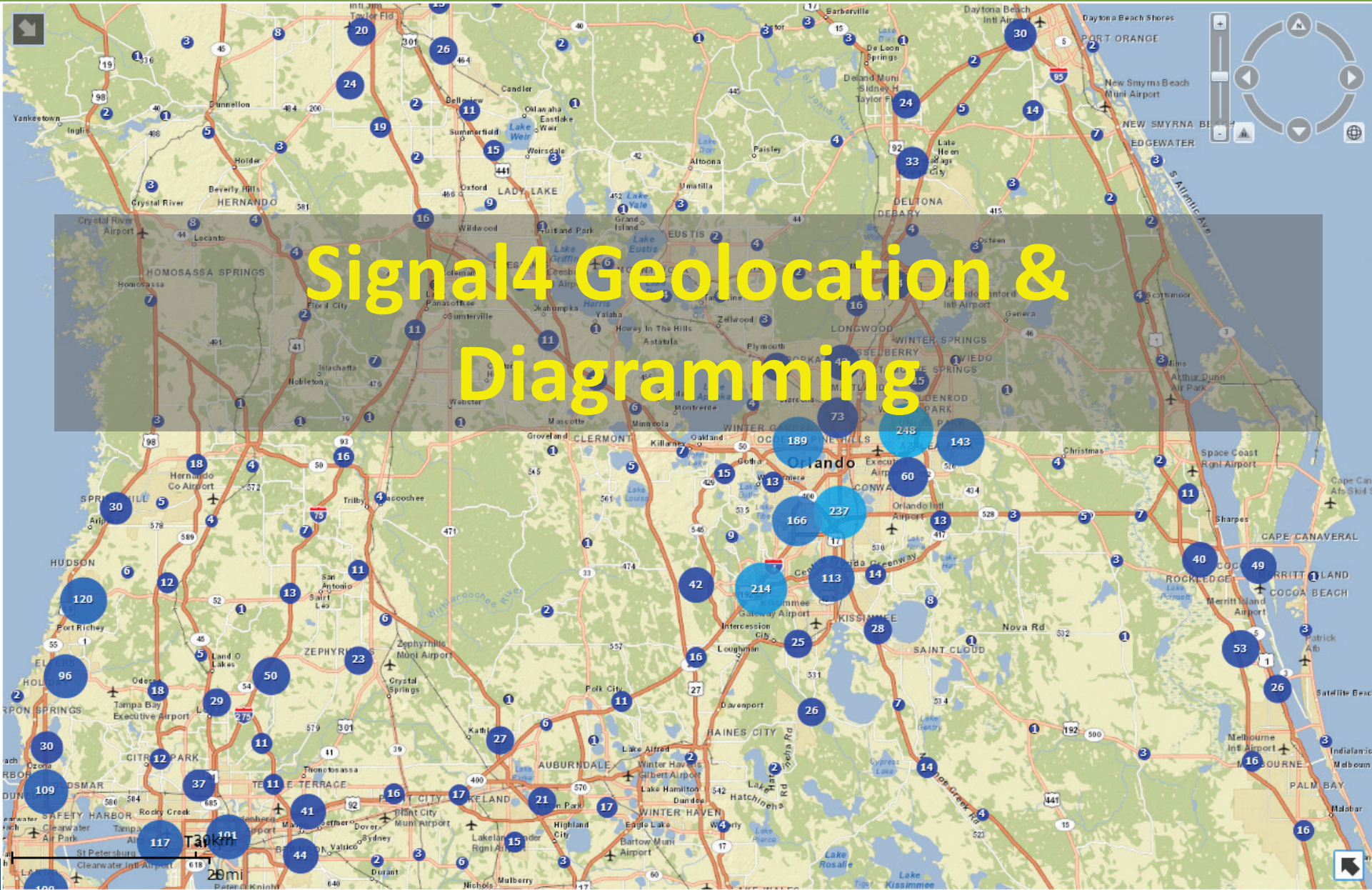


## Projects

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

**Signal4 Analytics** (Expanding Accessibility, Utilization, and Data Integration of Signal 4 Analytics)



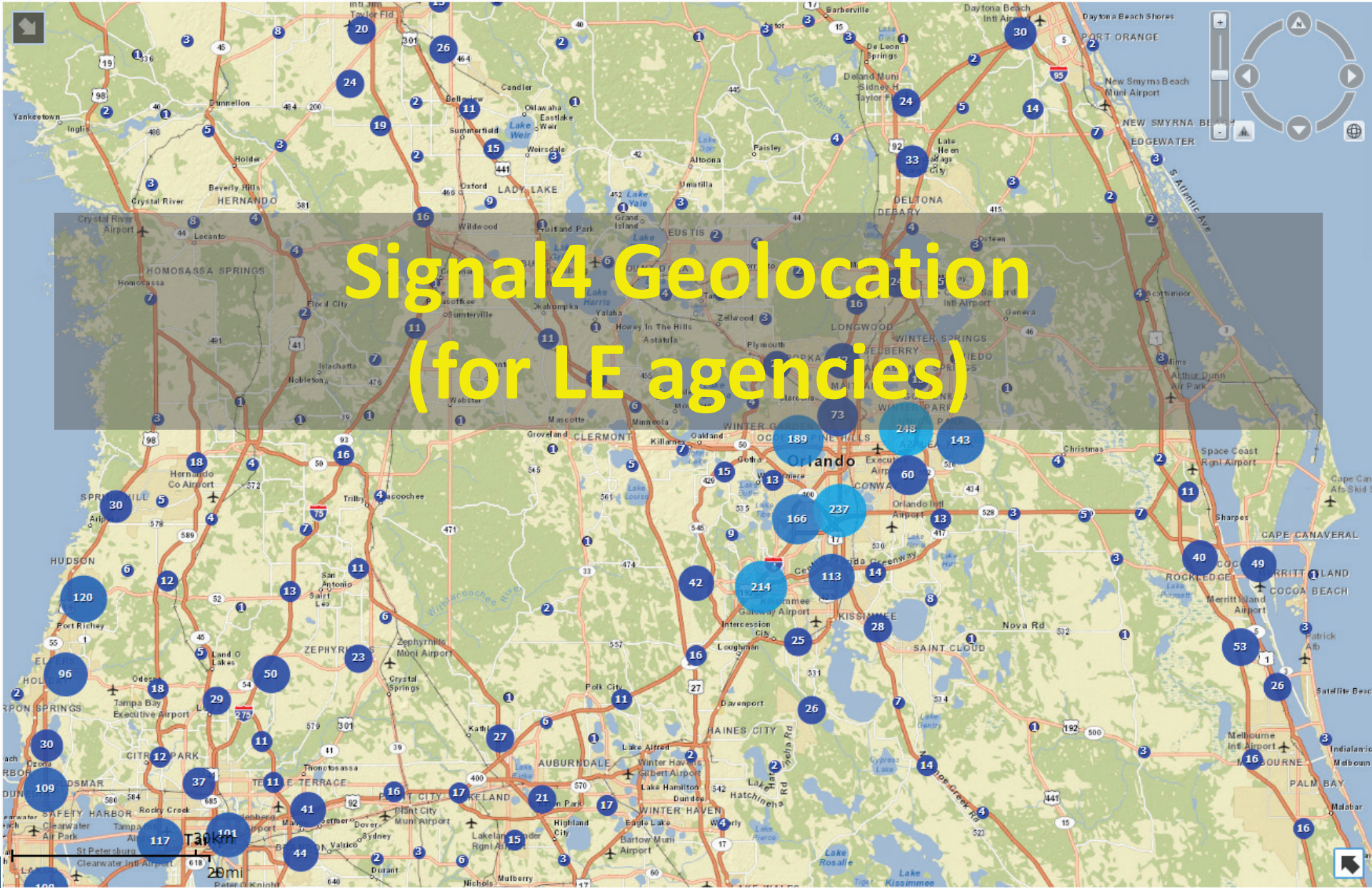


## Signal4 Geolocation & Diagramming

## Geolocation & Diagramming Tasks

- a) Geolocation for LE (Signal4 Geolocation)
- b) Crash Report Diagramming (Signal4 Diagram)
- c) Editor Geolocation (for FDOT & local governments)





Signal4 Geolocation  
(for LE agencies)

## Signal4 Geolocation Mandated Agencies

- TraCS
  - **100%** of agencies that report crashes (210 of 210)
  - **11%** of agencies that write citations (20 of 173)
- SmartCOP
  - Jacksonville SO for crashes

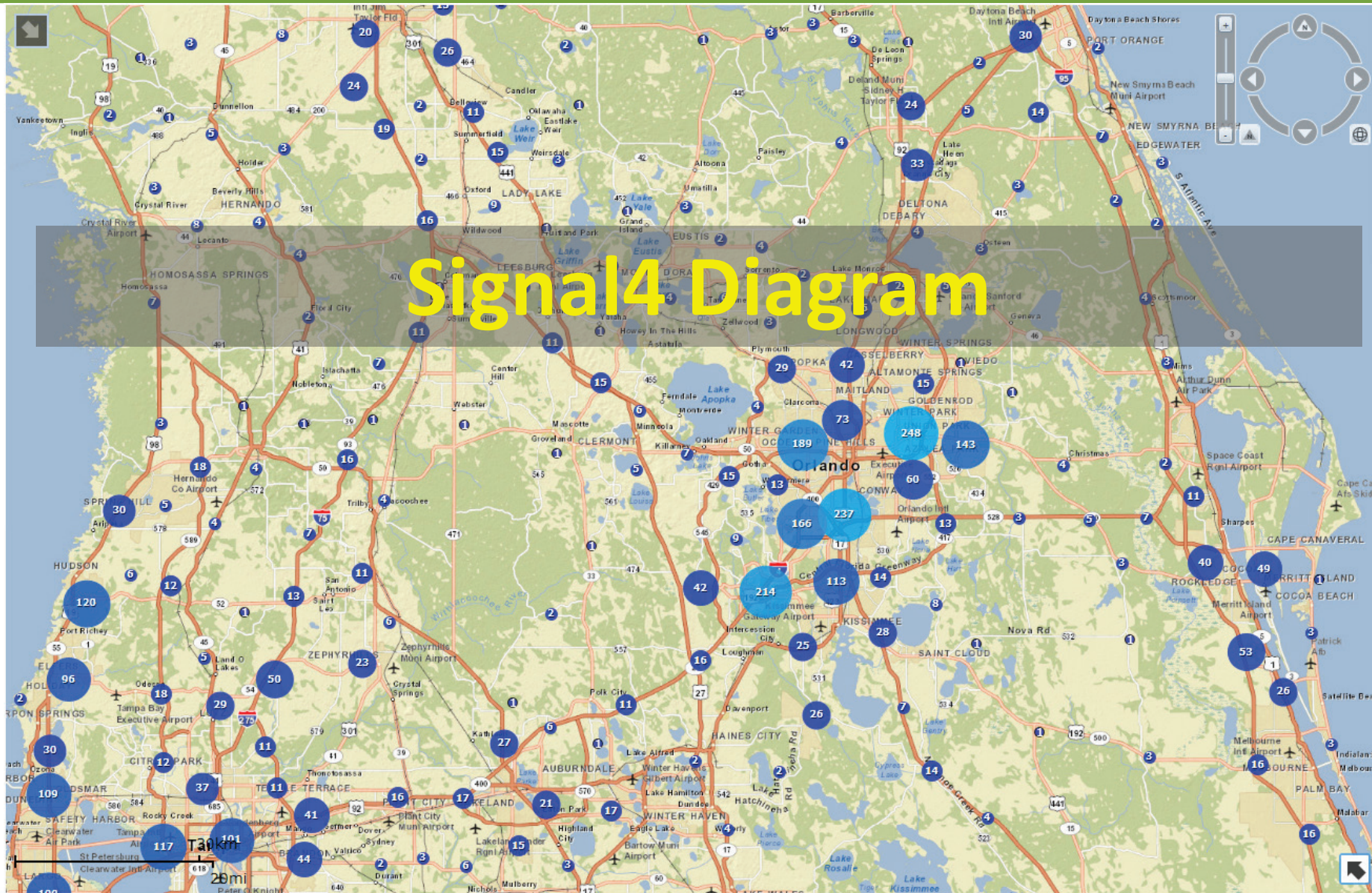
## Current and Future Activities:

- SmartCOP expected to complete v3 upgrade by April 15. Roll out to the rest of SmartCOP agencies to follow.
- Working with City of Gainesville and Metroplan Orlando to reach out to Central Square to integrate Signal4 Geolocation into their One Solution e-crash
- Continued to work on updating the geolocation support for the most up-to-date version of HERE streets
- Ongoing user and technical support





# SIGNAL FOUR DIAGRAM





## Signal4 Diagram Purpose

- Improve crash report data Accuracy, Time Saving, Efficiency and Consistency
- Ensure consistency between
  - Crash location and crash diagram
  - Relevant crash data elements and crash diagram



## Signal4 Diagram TraCS Usage Stats

- About **123,000** TraCS crash reports have used the Signal4 Diagram since October 2022
- About **71,600** TraCS crash reports have used the Signal4 Diagram since October 2023
- **143** TraCS agencies are currently using the Signal4 Diagram (143 of 210 or 68%)

Agency	Report Count
Miami Police Department	24301
Orlando Police Department	8216
Palm Beach County Sheriff's Office	7529
Lee County Sheriff's Office	7300
Tampa Police Department	6747
Hialeah Police Department	5519
Tallahassee Police Department	5167
Miami Gardens Police Department	4436
Seminole County Sheriff's Office	3572
Coral Gables Police Department	3285
Panama City Police Department	2888
Charlotte County Sheriff's Office	2655
North Miami Police Department	2383
Martin County Sheriff's Office	2065
Lakeland Police Department	1882
Boynton Beach Police Department	1801
Apopka Police Department	1596
Fort Myers Police Department	1567
Miramar Police Department	1549
Sarasota County Sheriff's Office	1490

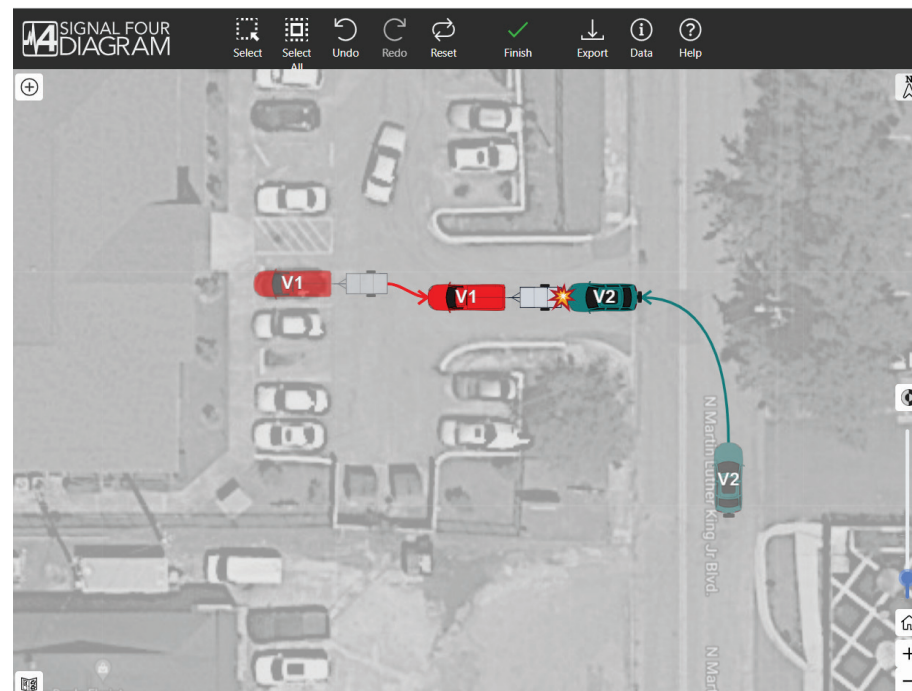
Top 20 agencies using Signal4 Diagram

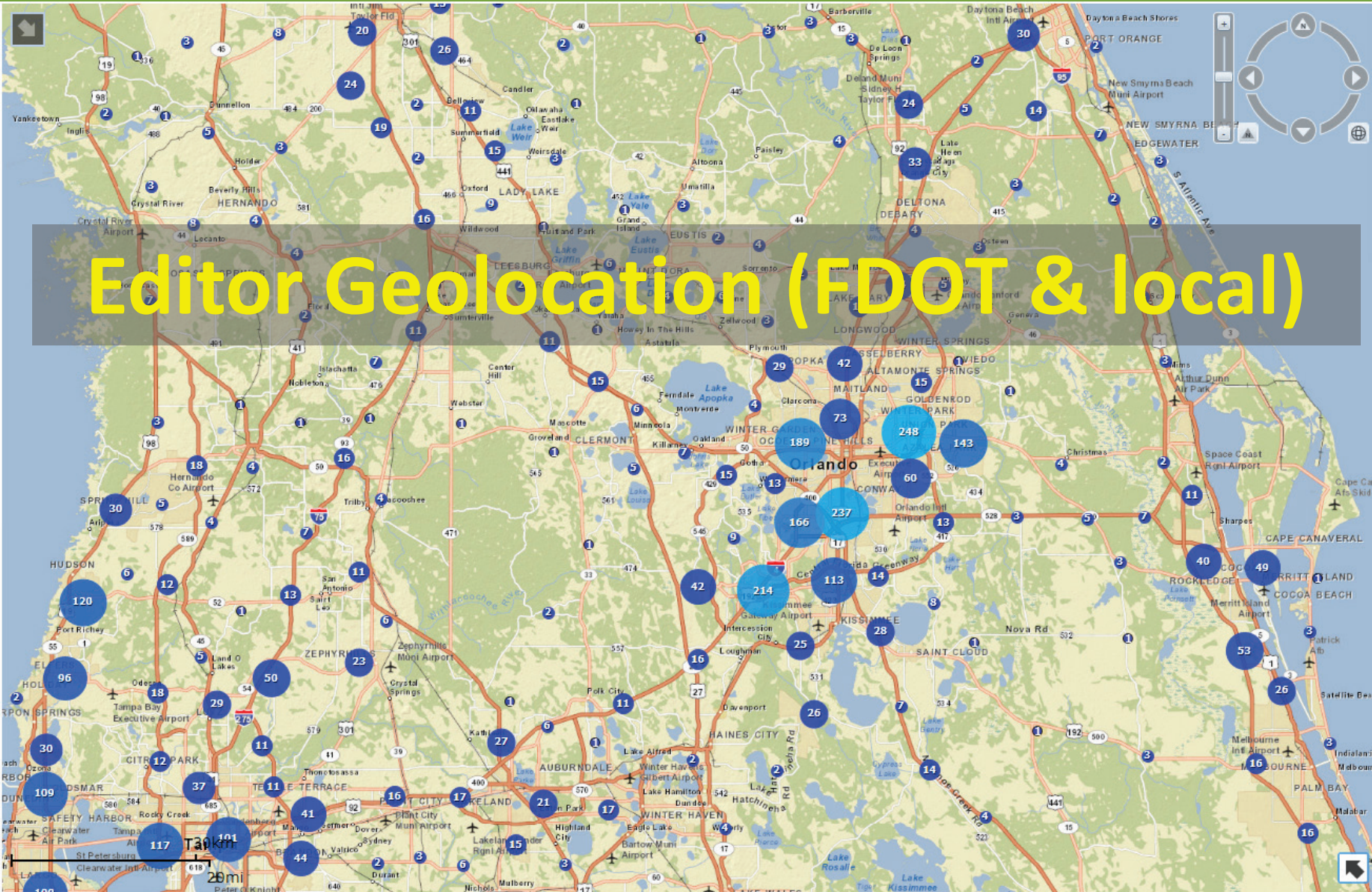




## Recent Activities

- Currently finalizing the capability to display Signal4 diagrams in Signal4 Analytics and in the FDOT Geolocation
- Added controls to improve quality and consistency and to monitor usage
- Working on an 'inset' feature for large crash sites









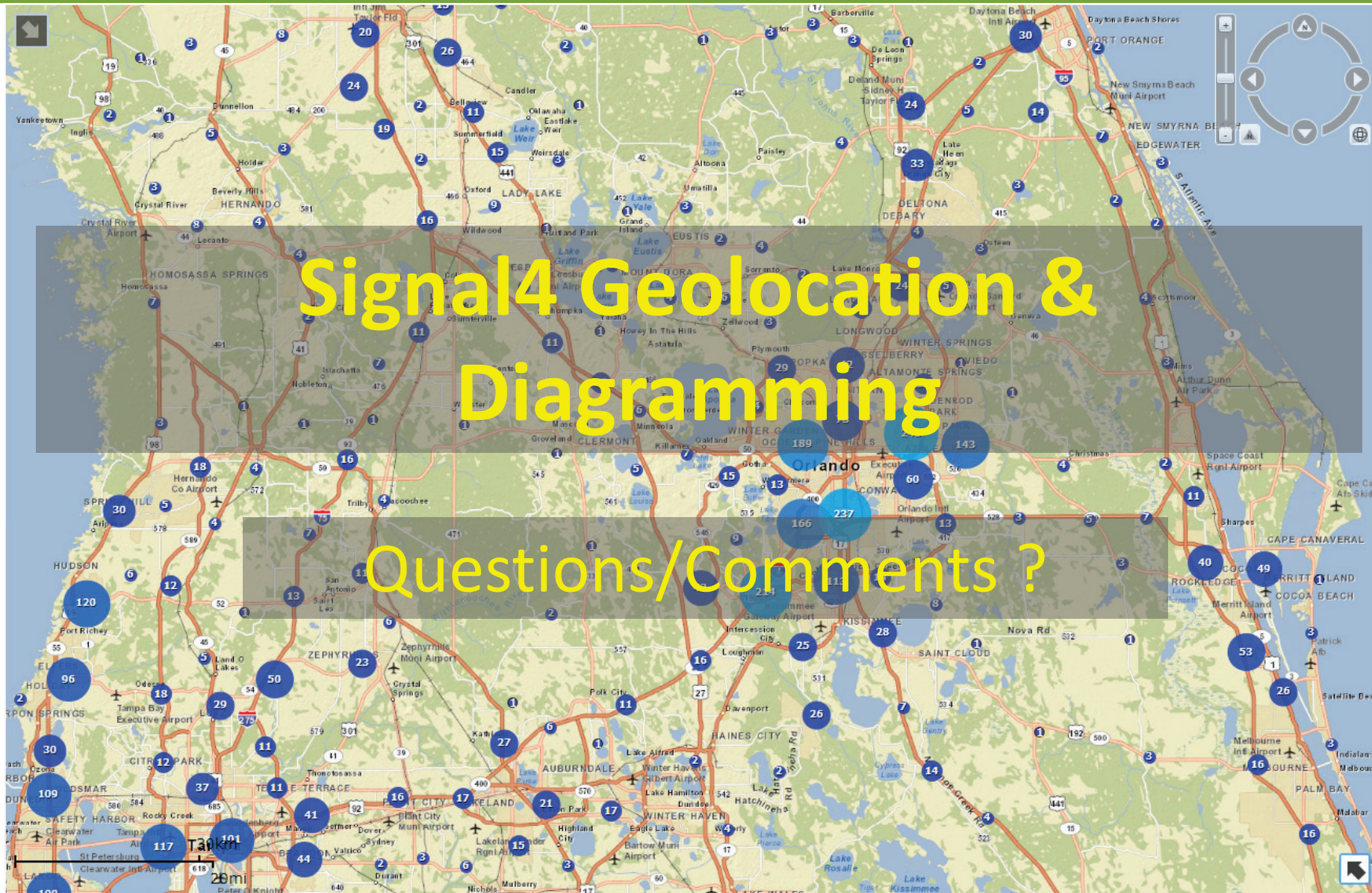
## Editor Geolocation Purpose

Unify the geolocation process across FDOT, Signal4 and LE agencies to achieve one consistent statewide geolocation process

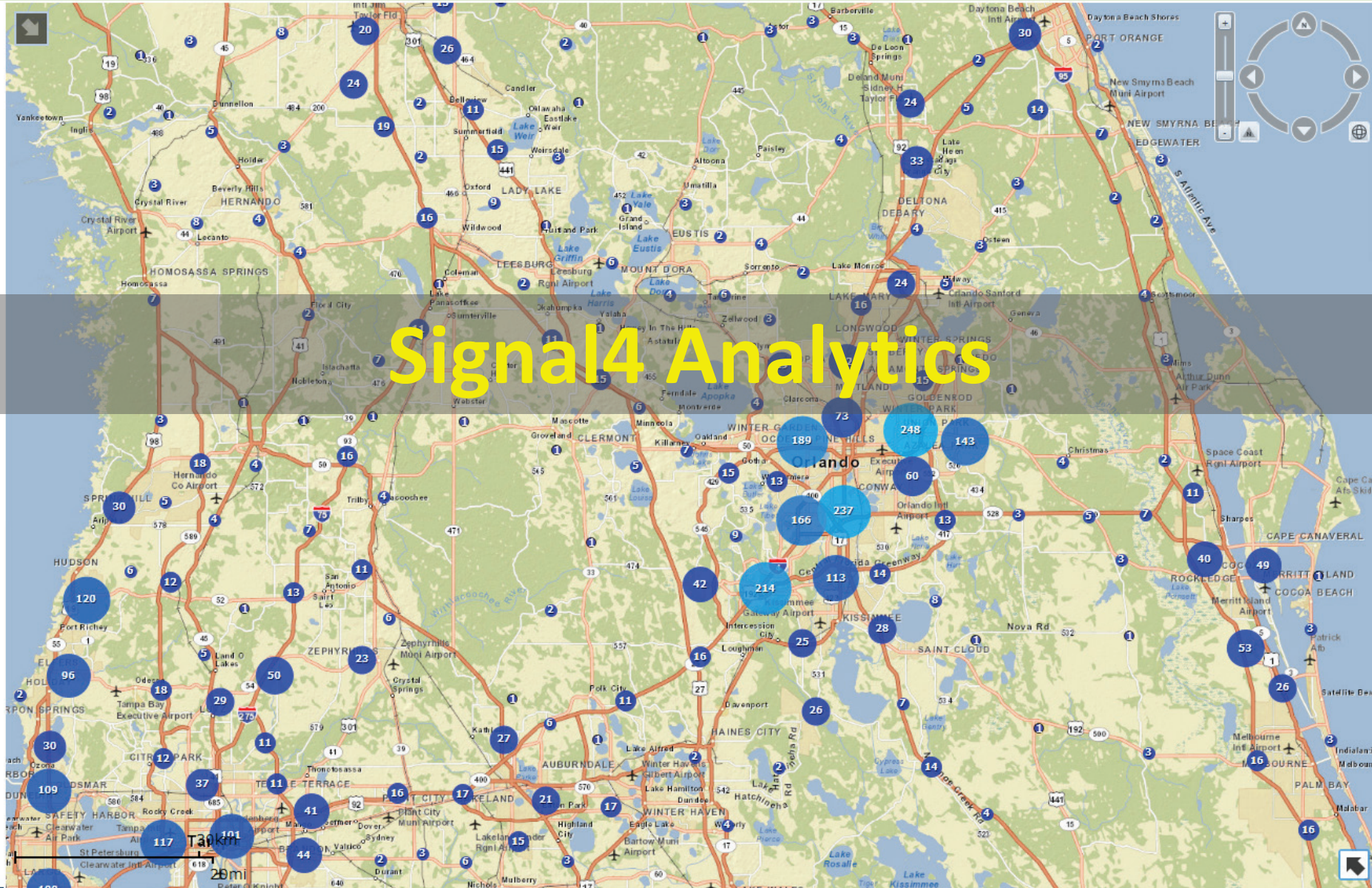


## Recent Activities:

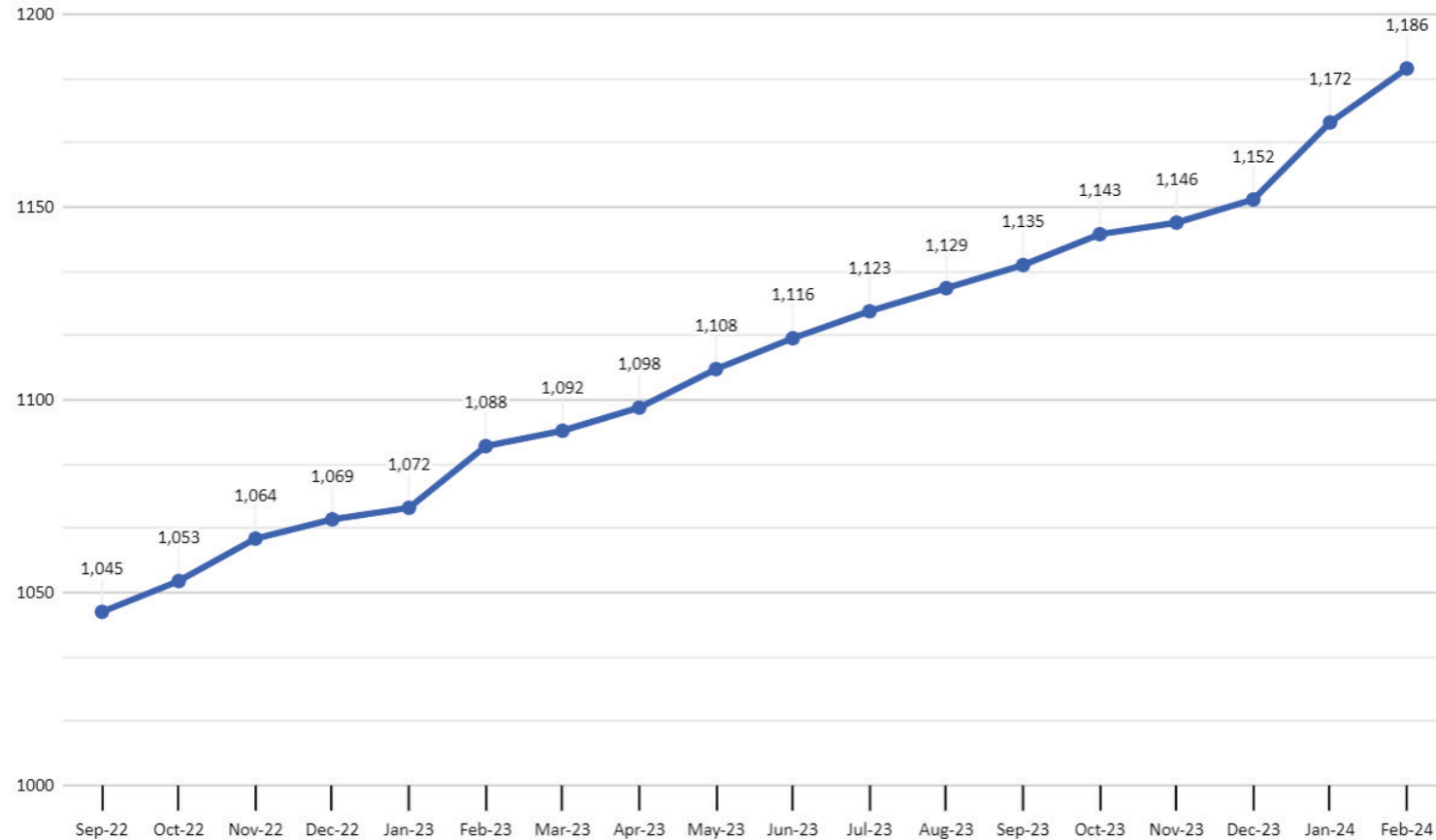
- Released version 1.3.0 early March 2024
- It included various bug fixes and new capabilities to improve review process and usability.
- Improvements include:
  - Optimize the query performance
  - Rearrange attributes in data pools for editors and admin
  - Various bug fixes
- Currently working to improve time reporting accuracy







# Number of Agencies & Consulting Firms

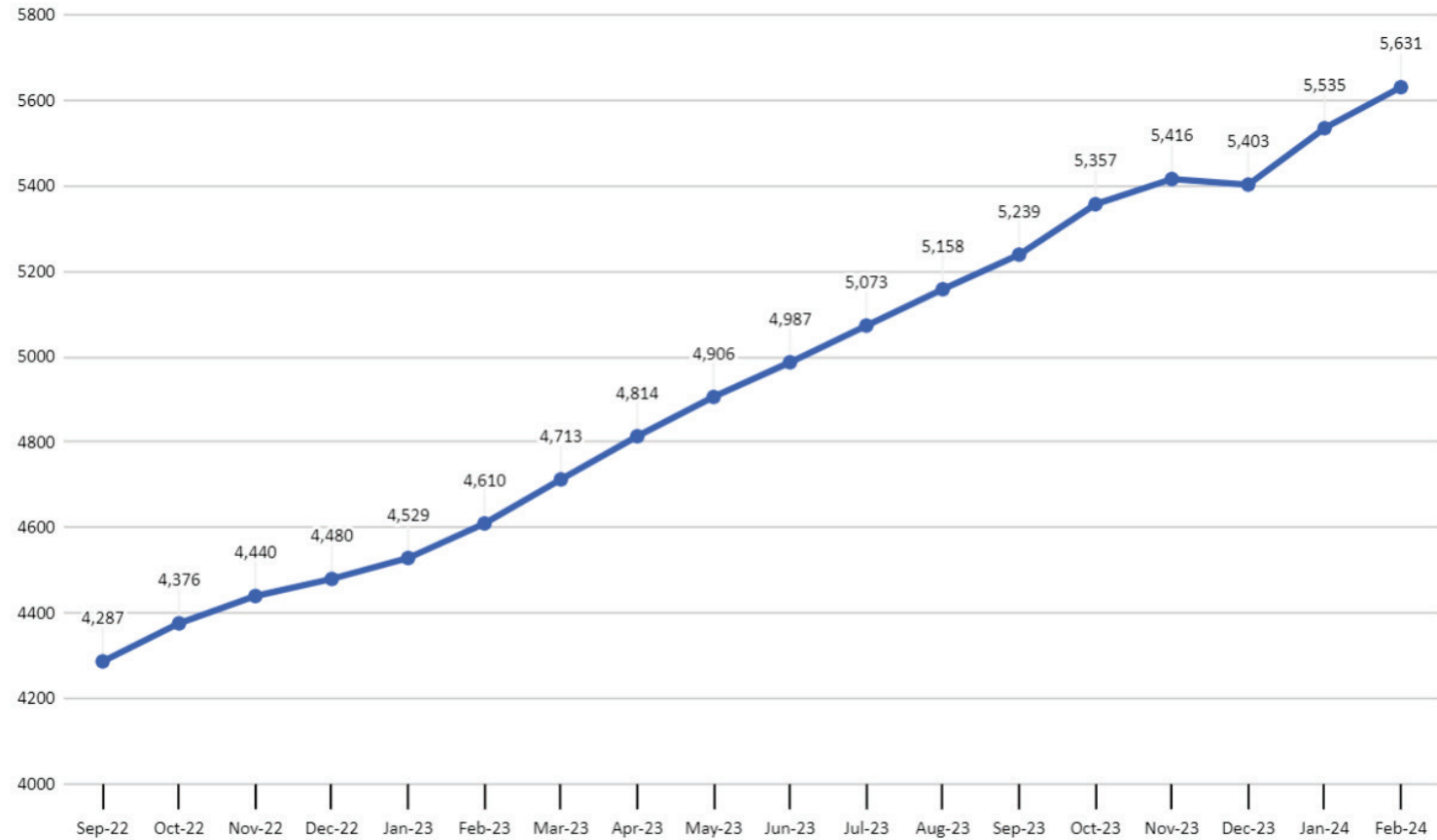


**43 new agencies and consulting firms** since October 2023

As of 3/20/2024



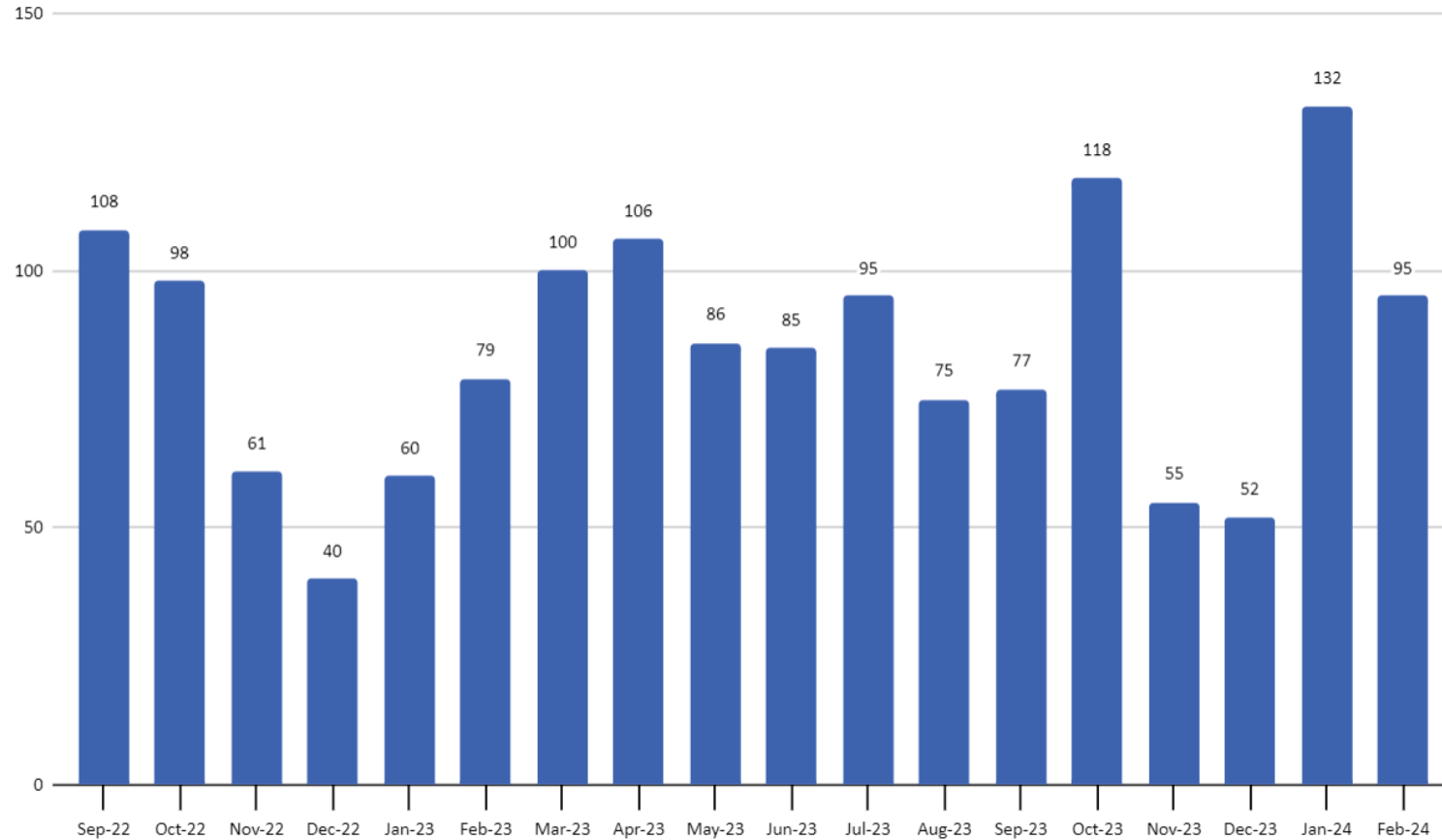
# Number of Users



**274 new users** since October 2023

As of 3/20/2024

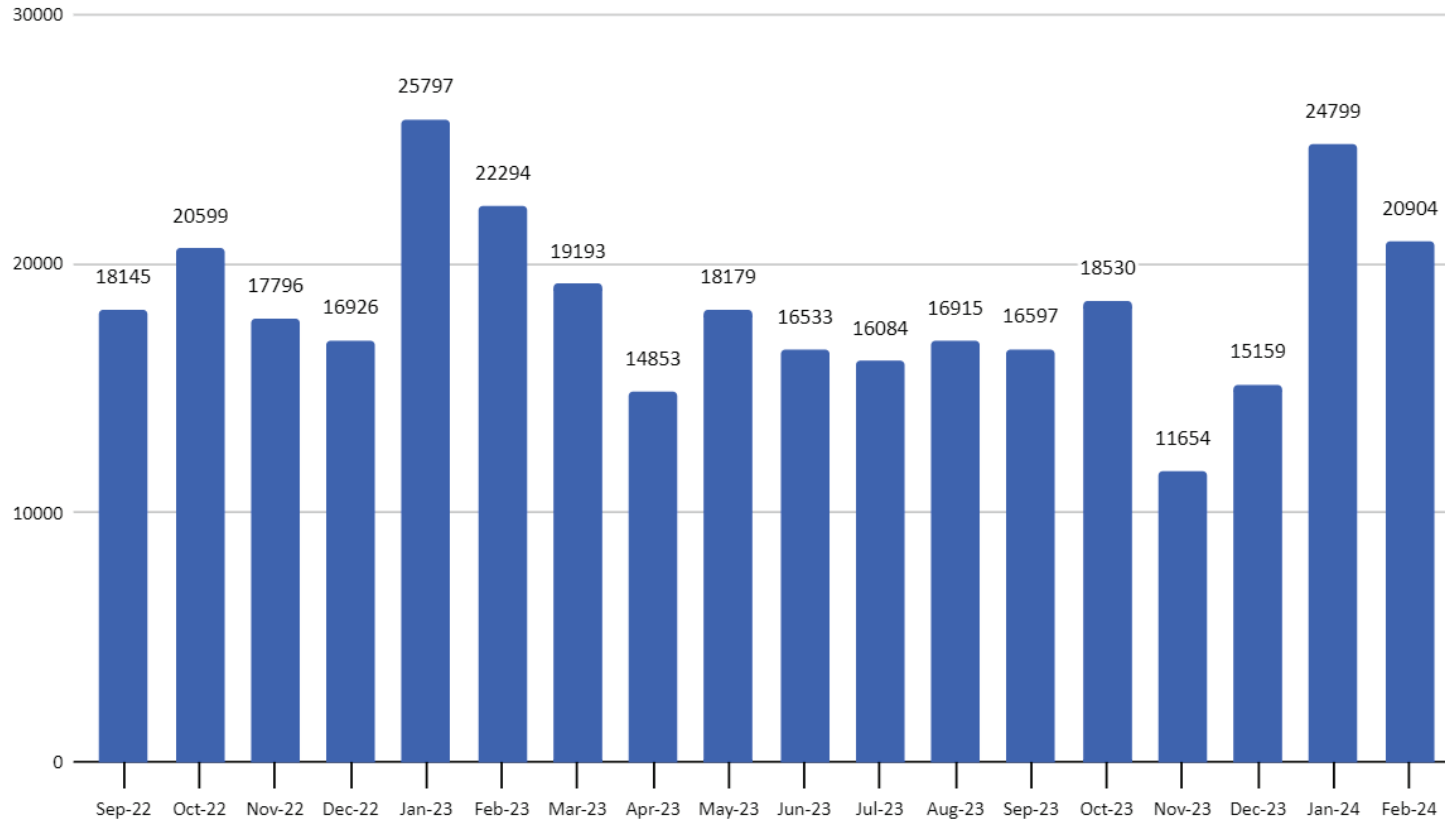
# New Users by Month



In average **90 new users per month** since October 2023

As of 3/20/2026

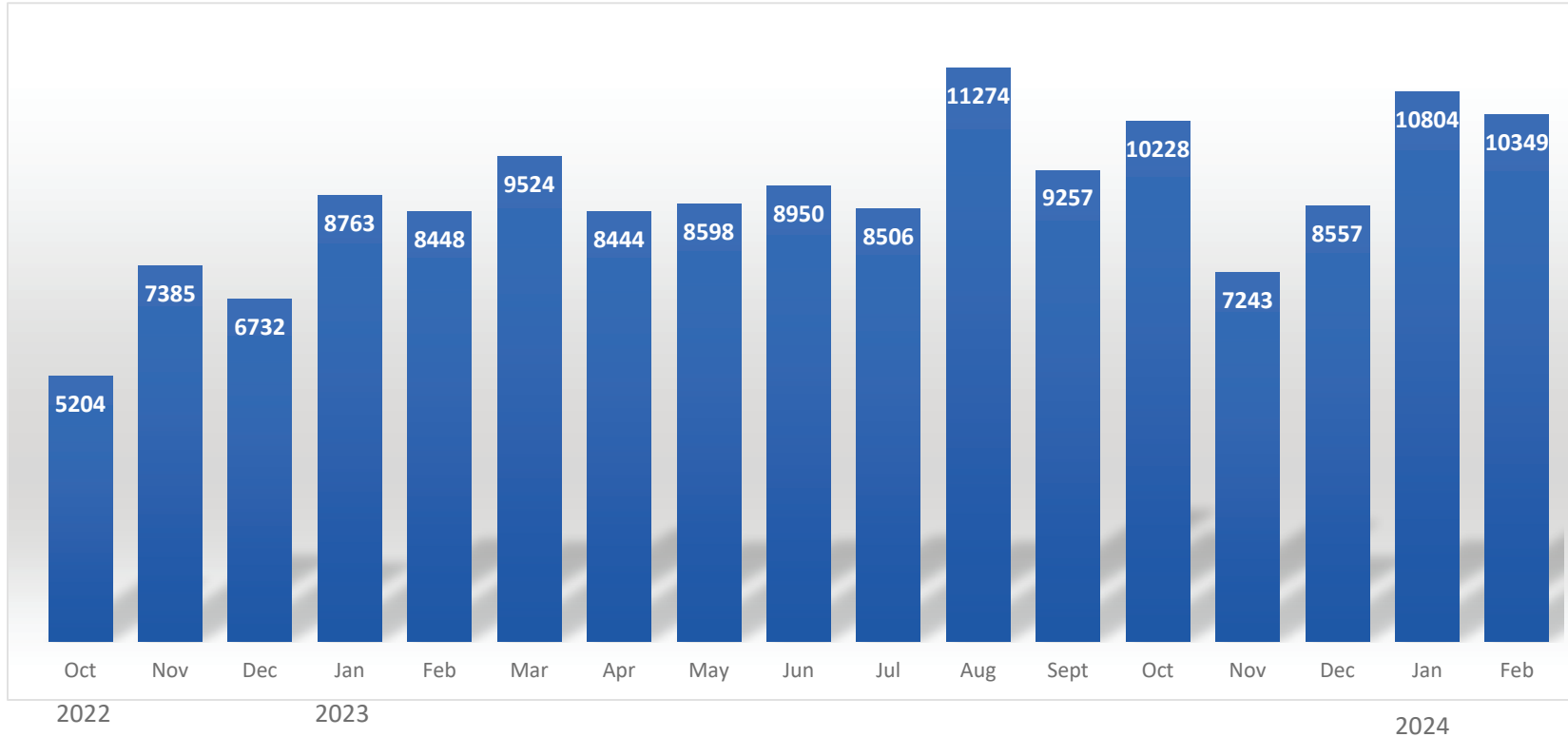
# Number of Queries/Reports



In average about **18,200 queries/report per month** since October 2023

As of 3/20/2024

# Public Dashboard Pageviews



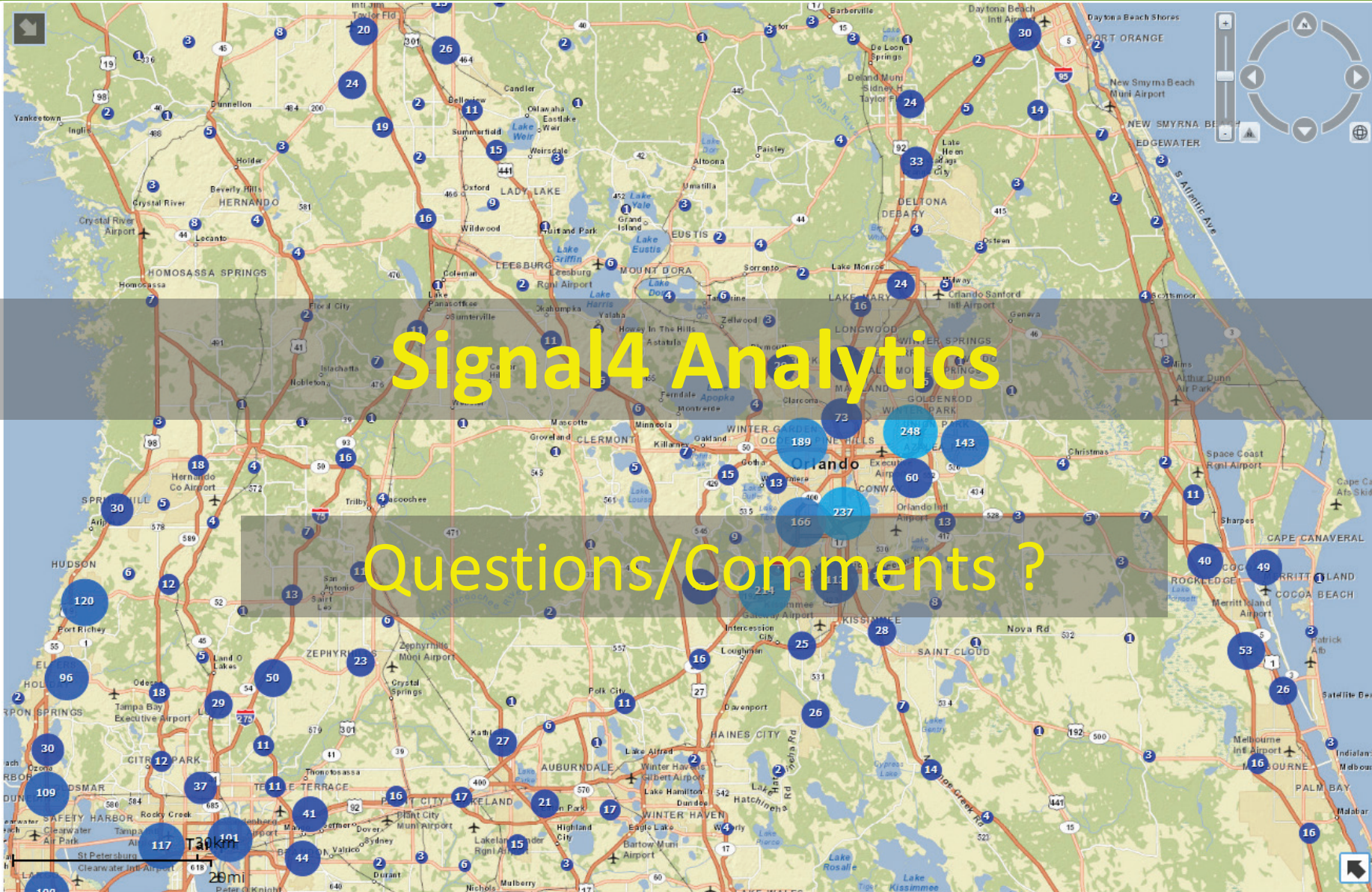
In average about **9,500 views per month** since October 2023

As of 3/20/24 **Source:** Google Analytics, Unique Pageview: Number of sessions that the page is viewed at least once.

## Recent and Ongoing Activities

- Finalizing hosting and URL standardization across Signal4 services
- Finalizing capabilities to share queries to improve collaboration
- New features and improvements include:
  - Add Crash Report Viewer to search directly for crash reports by FLHSMV Report Number
  - Crash type symbols are now displayed on the map when zoomed in
  - Users can share saved queries within their agency
  - Custom Area supports handling complex shapes













# *CONCEPT PAPER AND FUNDING AMOUNT REVIEW*

*Chris Craig, FDOT*

# CONCEPT PAPERS RECEIVED



Agency	Project Title	FY 2024 Amount	FY 2025 Amount Requested
FLHSMV	Crash and UTC Data Improvement	\$566,000	\$672,800
FLHSMV	Driver and Vehicle Data Quality Improvement	\$145,000	\$148,000
FDOH	Field Data Collection for NEMSIS	\$467,000	\$527,615
FSU	TraCS Support, Enhancement, and Training	\$1,138,000	\$1,665,415
FSU	ELVIS	\$522,000	\$632,875
UF	Expanding Accessibility, Utilization, and Data Integration of Signal Four Analytics	\$883,000	\$882,000
UF	Geolocation & Crash Diagramming to Improve Location, Timeliness, and Quality	\$558,000	\$600,000
TCC	TRCC Support	\$95,000	\$65,000
<b>Total</b>		<b>\$4,374,000</b>	<b>\$5,193,705</b>

# **CRASH AND UTC DATA IMPROVEMENT FLHSMV**

FY 25 vs FY 24

**+\$106,800**

## **FY 2024 Budget Items**

– Personnel services:	\$263,000
– Printing:	\$1,000
– Office Supplies:	\$1,000
– Travel (program):	\$4,875
– Travel (coalition):	\$6,625
– Computers/Supplies:	\$289,500
– <b>Total Cost:</b>	<b>\$566,000</b>

## **FY 2025 Budget Items**

– Personnel services:	\$383,000
– Contractual services	\$280,800
– Printing:	-
– Office Supplies:	\$1,000
– Travel (program):	\$3,500
– Travel (coalition):	\$3,500
– Computers/Supplies:	\$1,000
– <b>Total Cost:</b>	<b>\$672,800</b>



# **DRIVER AND VEHICLE DATA QUALITY IMPROVEMENT FLHSMV**

FY 25 vs FY 24

**+\$3,500**

## **FY 2024 Budget Items**

– Personnel services:	\$140,000
– Office Supplies:	\$500
– Travel (program):	\$4,000
– <b>Total Cost:</b>	<b>\$144,500</b>

## **FY 2025 Budget Items**

– Personnel services:	\$140,685
– Office Supplies:	\$315
– Travel (program):	\$3,500
– Travel (coalition):	\$3,500
– <b>Total Cost:</b>	<b>\$148,000</b>

# ***FIELD COLLECTION FOR NEMESIS***

***FDOH***

FY 25 vs FY 24

***+\$61,389***

## **FY 2024 Budget Items**

- Contractual services: \$456,961
- Travel \$9,265
- **Total Cost: \$466,226**

## **FY 2025 Budget Items**

- Contractual services: \$512,815
- Travel \$14,800
- **Total Cost: \$527,615**

# TRACS SUPPORT, ENHANCEMENT, AND TRAINING FSU

FY 25 vs FY 24

**+\$540,195**

## FY 2024 Budget Items

– Personnel services:	\$648,841
– Contractual services:	\$228,700
– Background Screening:	\$400
– Computer/Software:	\$55,000
– Office Supplies:	\$3,000
– Postage/Shipping:	\$100
– Travel (program):	\$7,500
– Display/Exhibit Fees:	\$2,500
– TraCS License:	\$97,325
– Indirect:	\$94,354
– <b>Total Cost:</b>	<b>\$1,137,720</b>

## FY 2025 Budget Items

– Personnel services:	\$737,264
– Contractual services:	\$615,000
– Background Screening:	\$400
– Computer/Software:	\$37,000
– Office Supplies:	\$3,000
– Postage/Shipping:	\$100
– Travel (program):	\$7,500
– Display/Exhibit Fees:	\$2,500
– TraCS License:	\$103,375
– Indirect:	\$141,776
– <b>Total Cost:</b>	<b>\$1,677,915</b>

### FY 2024 Budget Items

– Personnel services:	\$398,111
– Contractual Services:	\$22,500
– Background Screening:	\$400
– Computer/Software:	\$34,950
– Office Supplies:	\$2,000
– Travel (program):	\$14,000
– Display/Exhibit Fees:	\$2,500
– Postage/Shipping:	\$100
– Indirect:	\$47,166
– <b>Total Cost:</b>	<b>\$521,327</b>

### FY 2025 Budget Items

– Personnel services:	\$511,368
– Contractual Services:	\$10,000
– Background Screening:	-
– Computer/Software:	\$30,000
– Office Supplies:	\$2,000
– Travel (program):	\$14,000
– Display/Exhibit Fees:	\$2,500
– Communication/Equipment	\$5,600
– Postage/Shipping:	\$100
– Indirect:	\$57,307
– <b>Total Cost:</b>	<b>\$632,875</b>



# EXPANDING ACCESSIBILITY, UTILIZATION, AND DATA INTEGRATION OF S4 UF

FY 25 vs FY 24

**-\$766**

## FY 2024 Budget Items

- Personnel services: \$783,920
- Travel (program): \$5,000
- Server/Network Support: \$14,000
- Training: \$4,500
- Indirect: \$75,346
- **Total Cost: \$882,766**

## FY 2025 Budget Items

- Personnel services: \$782,697
- Travel (program): \$5,000
- Server/Network Support: \$14,000
- Training: \$4,496
- Indirect: \$75,807
- **Total Cost: \$882,000**

# ***GEOLLOCATION & CRASH DIAGRAMMING TO IMPROVE TIMELINESS AND QUALITY UF***

FY 25 vs FY 24

**+\$42,938**

## **FY 2024 Budget Items**

- Personnel services: \$481,462
- Travel (program): \$5,000
- Server/Network Support: \$21,000
- Training: \$4,500
- Indirect: \$45,100
- **Total Cost: \$557,062**

## **FY 2025 Budget Items**

- Personnel services: \$464,465
- Contractual services \$55,000
- Travel (program): \$5,000
- Server/Network Support: \$21,000
- Training: \$3,808
- Indirect: \$50,727
- **Total Cost: \$600,000**

# **TRAFFIC RECORDS COORDINATING COMMITTEE (TRCC) SUPPORT TCC**

FY 25 vs FY 24

**\$-29,501**

## **FY 2024 Budget Items**

– Contractual services:	\$87,501
– Indirect:	\$7,000
– <b>Total Cost:</b>	<b>\$94,501</b>

## **FY 2025 Budget Items**

– Contractual services:	\$60,185
– Indirect:	\$4,815
– <b>Total Cost:</b>	<b>\$65,000</b>

# CONCEPT PAPERS RECEIVED



Agency	Project Title	Amount Requested	Applied for 402	Applied for 405(c)
FLHSMV	Crash and UTC Data Improvement	\$672,800	✓	✓
FLHSMV	Driver and Vehicle Data Quality Improvement	\$148,000	✓	✓
FDOH	Field Data Collection for NEMSIS	\$527,615	✓	✓
FSU	TraCS Support, Enhancement, and Training	\$1,665,415	✓	✓
FSU	ELVIS	\$632,875	✓	✓
UF	Expanding Accessibility, Utilization, and Data Integration of Signal Four Analytics	\$882,000	✓	✓
UF	Geolocation & Crash Diagramming to Improve Location, Timeliness, and Quality	\$600,000	✓	✓
TCC	TRCC Support	\$65,000	✓	
<b>Total</b>		<b>\$5,193,705</b>		

**FY 2025 Anticipated 405(c) Budget:      \$3,330,394.64**



# CONCEPT PAPERS RECEIVED



Agency	Project Title	Amount Requested	402 Suggested	405(c) Suggested
FLHSMV	Crash and UTC Data Improvement	\$672,800		\$673,000
FLHSMV	Driver and Vehicle Data Quality Improvement	\$148,000	\$148,000	
FDOH	Field Data Collection for NEMSIS	\$527,615		\$528,000
FSU	TraCS Support, Enhancement, and Training	\$1,665,415	TBD	
FSU	ELVIS	\$632,875		\$633,000
UF	Expanding Accessibility, Utilization, and Data Integration of Signal Four Analytics	\$882,000		\$882,000
UF	Geolocation & Crash Diagramming to Improve Location, Timeliness, and Quality	\$600,000		\$600,000
TCC	TRCC Support	\$65,000	\$65,000	
<b>Totals</b>			\$213,000 + TBD	\$3,316,000
<b>405(c) Amount Remaining</b>				\$14,395



# ***FINAL APPROVAL OF FUNDING AMOUNTS FOR SUBMITTED CONCEPT PAPERS***

*TRCC Executive Board*

# ***EXECUTIVE BOARD VOTING MEMBERS***



- Beth Allman, FCCC (Chair)
- Major Lisa Barnett, FHP (Vice-Chair)
- Lt. Steve Barrow, FL Sheriff's Association
- Mike Hall, FDOH
- Lora Hollingsworth, FDOT
- Robert Kynoch, FLHSMV
- Deputy Chief Tonja Smith, Tallahassee Police Department

# CONCEPT PAPERS RECEIVED



Agency	Project Title	Amount Requested	402 Suggested	405(c) Suggested
FLHSMV	Crash and UTC Data Improvement	\$672,800		\$673,000
FLHSMV	Driver and Vehicle Data Quality Improvement	\$148,000	\$148,000	
FDOH	Field Data Collection for NEMSIS	\$527,615		\$528,000
FSU	TraCS Support, Enhancement, and Training	\$1,665,415	TBD	
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TCC	TRCC Support	\$65,000	\$65,000	
<b>Totals</b>			\$213,000 + TBD	\$3,316,000
<b>405(c) Amount Remaining</b>				\$14,395





# ***PUBLIC COMMENT***

*Chris Craig, FDOT*





# *WRAP UP AND NEXT STEPS*

*Chris Craig, FDOT*

*Danny Shopf, Cambridge Systematics*

# WRAP UP AND NEXT STEPS



- NHTSA Traffic Records Assessment
  - Last assessment – November 21, 2020
  - No longer required every 5 years to qualify for federal funding
- TRCC Strategic Plan
  - Required to be updated yearly and approved by TRCC executive board

# *WRAP UP AND NEXT STEPS*



- Upcoming TRCC Meetings
  - June 21, 2024
  - September 13, 2024
  - TBD - December 2024 (6<sup>th</sup> or 13<sup>th</sup>)
  - TBD - March 2024 (21<sup>st</sup> or 28<sup>th</sup>)





***THANK YOU AND SAFE TRAVELS!***