



FLORIDA'S TRAFFIC RECORDS COORDINATING COMMITTEE

Executive Board Meeting

presented to

TRCC

June 21, 2024





WELCOME AND INTRODUCTIONS

Chris Craig, FDOT

WELCOME AND INTRODUCTIONS



- Name
- Agency
- Voting Member



2024 STRATEGIC PLAN UPDATE



FLORIDA TRAFFIC SAFETY INFORMATION SYSTEM STRATEGIC PLAN 2022-2026



FLORIDA TRAFFIC RECORDS
COORDINATING COMMITTEE (TRCC)
Updated June 2024



TRAFFIC RECORDS COORDINATING COMMITTEE MEETING REPORT

MARCH 29, 2024



Prepared For:

FLORIDA DEPARTMENT OF TRANSPORTATION

Prepared By:

CHRIS CRAIG, TRAFFIC SAFETY ADMINISTRATOR

Meeting Notes Taken By:

CAMBRIDGE SYSTEMATICS, INC.



FLTrafficRecords.com | 1

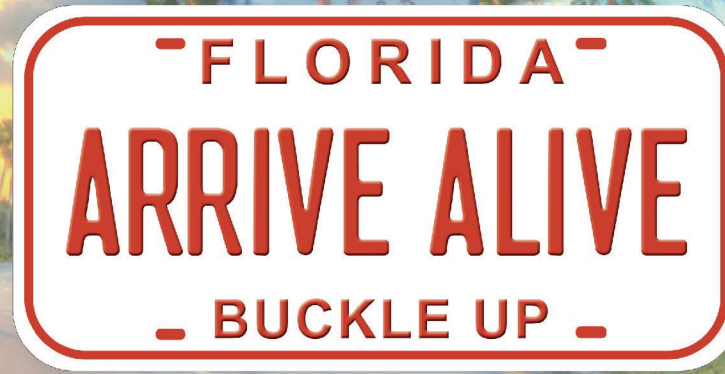
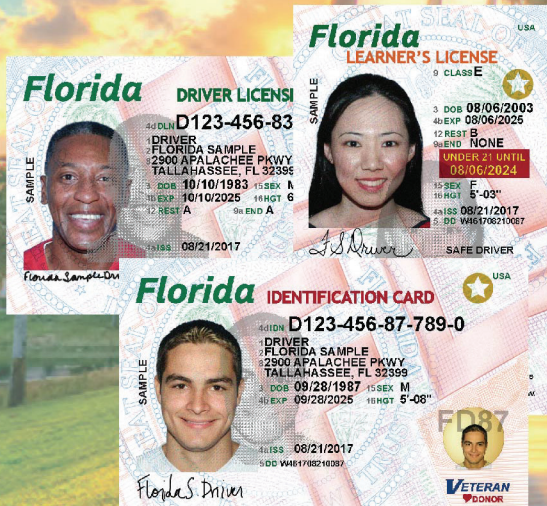
MARCH 2024 MEETING MINUTES





CRASH AND UNIFORM TRAFFIC CITATION (UTC) DATA IMPROVEMENT

Florida Department of Highway Safety and Motor Vehicles



FLHSMV
FLORIDA HIGHWAY SAFETY AND MOTOR VEHICLES



FFY 2024 Crash & UTC Data Improvement Grant Melissa Gonzalez, Operations & Management Consultant Manager

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 June 20, 2024
1	CORAL GABLES PD	2507	325	Transitioned Successfully
2	COCOA PD	911	982	Transitioned Successfully
3	LANTANA PD	562	602	Transitioned Successfully
4	RIVIERA BEACH PD	4	5	Transitioned Successfully
5	GREEN COVE SPRINGS PD	233	236	GO LIVE: June 24th
6	PASCO CO SO	73	95	GO LIVE: July 1
7	DUVAL CO SCHOOL BOARD PD	68	75	GO LIVE: August
8	INDIAN RIVER CO SO	2372	2265	In-Progress: has crash ID- Spoke w/Vendor on 6/4;
9	SUNNY ISLES PD	673	697	In-Progress: RMS server is not enabled for FTP
10	ORANGE PARK PD	362	474	In-Progress: Testing/training complete;
11	PALM BEACH PD	58	407	Submissions are IN - ZIP FILE issues
12	MILTON PD	450	527	Equipment and software needed; awaiting response;
13	SHALIMAR PD	19	17	Equipment and software needed; awaiting response;
14	DADE CO SCHOOL BOARD PD	361	404	Items needed: RMS interface
15	PALM BEACH CO SCHOOL BOARD PD	173	242	Equipment not needed;
16	FL INTERNATIONAL UNIV POLICE	160	180	Outreach in Progress
17	INTERLACHEN PD	33	38	Outreach in Progress
18	MARION CO SO	0	15	Outreach in Progress
19	FL SCHOOL FOR DEAF AND BLIND CAMPUS PD	5	5	Outreach in Progress

Next Steps:

- ❖ Continue Outreach
- ❖ Provide Onboarding Assistance
- ❖ Purchase mounting stands

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

LEA Training Overview

- ❑ Electronic Crash Reporting Process → High-level Outline of Electronic Reporting
- ❑ Parts of the FL Traffic Crash Report → Event, Vehicle, Person, Narrative, and Diagram Sections
- ❑ Correcting Crash Report Errors → Understanding Load/Error Reports and preventing errors
- ❑ FARS Reporting: Process & Errors → Clarifying Traffic Fatality and Officers part in data quality
(Fatality Analysis and Reporting System)

Locations for Statewide Crash Trainings

Training Details (Tentative)

- ❖ Date: First 2 weeks in September
- ❖ Timeslot: 8 am to 12 pm. Presentation will start at 9 am
- ❖ Timeframe: ~ 2 to 2.5-hour presentation
- ❖ Conference room that seats 100. Expect between 50-100 attendees per location.
- ❖ Demo S4 Tool

Locations

1. **Tampa FHP Troop C: 9/12 @ 9:00 am**
2. Palm Beach
3. Jacksonville
4. Tallahassee - FLHSMV Auditorium

UTC Objective 3

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

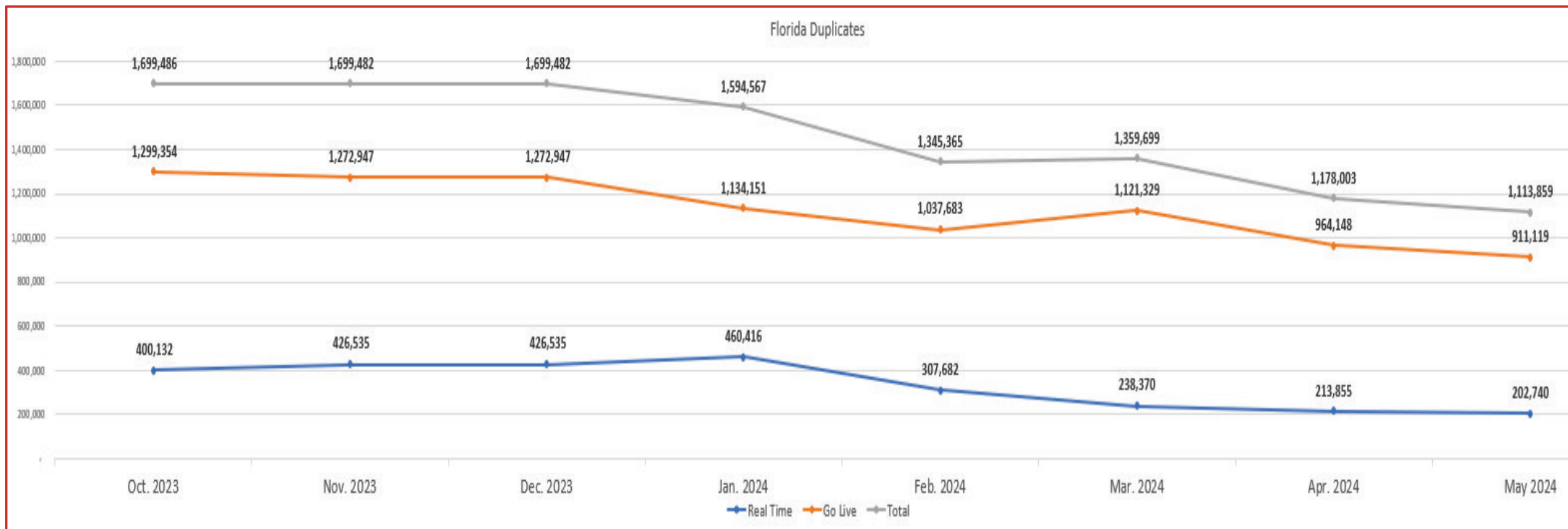
Status:

All 4 part-time OPS Record Techs have resolved the following # of duplicates:

- Q1: 31,045
- Q2: 33,584
- Q3 (April & May): 23,363

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.



Duplicate Statistics: Oct 2023- May 2024

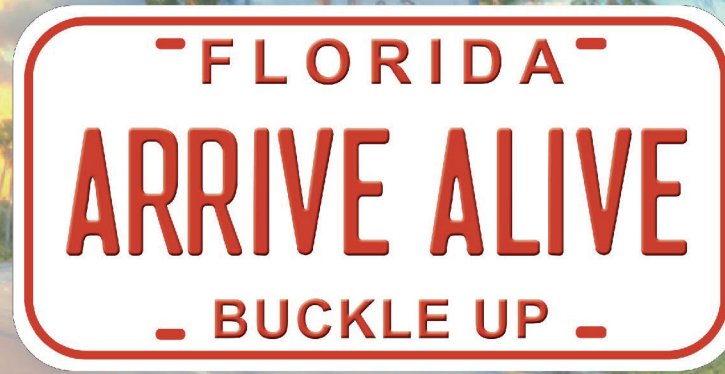
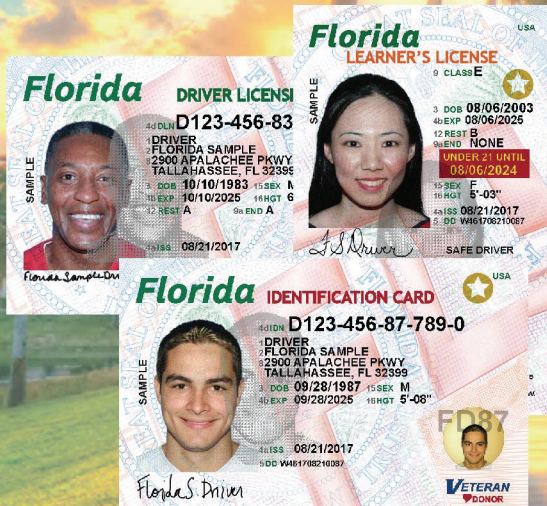
State Electronic Data Collection (SEDC) Grant

Crash Modernization Efforts

- MMUCC Alignment- develop a new crash report
- Redevelop the crash database to accept new crash report
- Rewrite the crash report loading and ingestion process
- Develop API tools for engaging crash data stakeholders
- Develop a user-friendly application or tool to streamline the annual fatality reconciliation process (crash closeout)
- Develop a mechanism to redact PII within the crash data processing and ingesting process the
- Develop a mobile self-report application

Phase I: Assessment & Planning

- Project Planning
- Gap Analysis
- Requirements gathering and validation
- Data Ingestion Improvements
- Performance Measures
- Mobile Application Assessment



FLHSMV
FLORIDA HIGHWAY SAFETY AND MOTOR VEHICLES

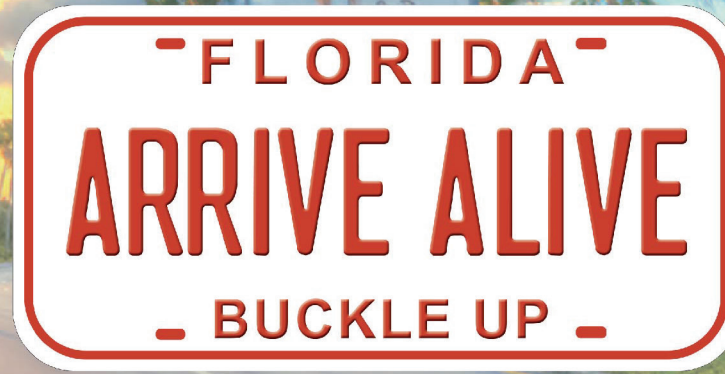
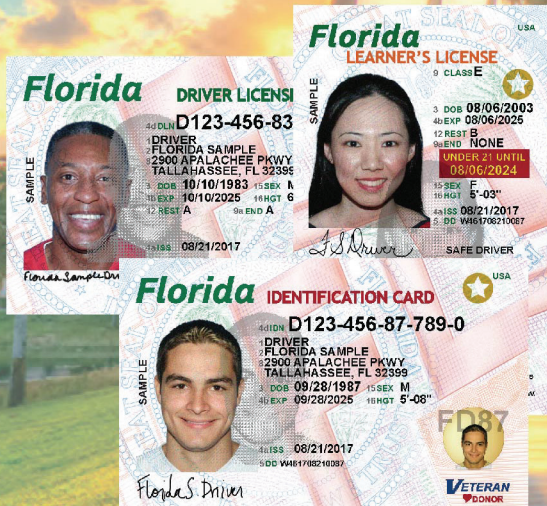


FFY 2024 Crash & UTC Data Improvement Grant



DRIVER AND VEHICLE DATA QUALITY IMPROVEMENT

Florida Department of Highway Safety and Motor Vehicles



FLHSMV
FLORIDA HIGHWAY SAFETY AND MOTOR VEHICLES



FFY 2024 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.

Driver Data Sets

AAMVA D20 Data Dictionary

Provides standard terminology and coding instructions

- **Uniformity** - Percent of AAMVA D20 Driver Data Elements present in FLHSMV Driver Data system.
 - **Status:** 130/145 elements reviewed

Driver History Record (DHR)

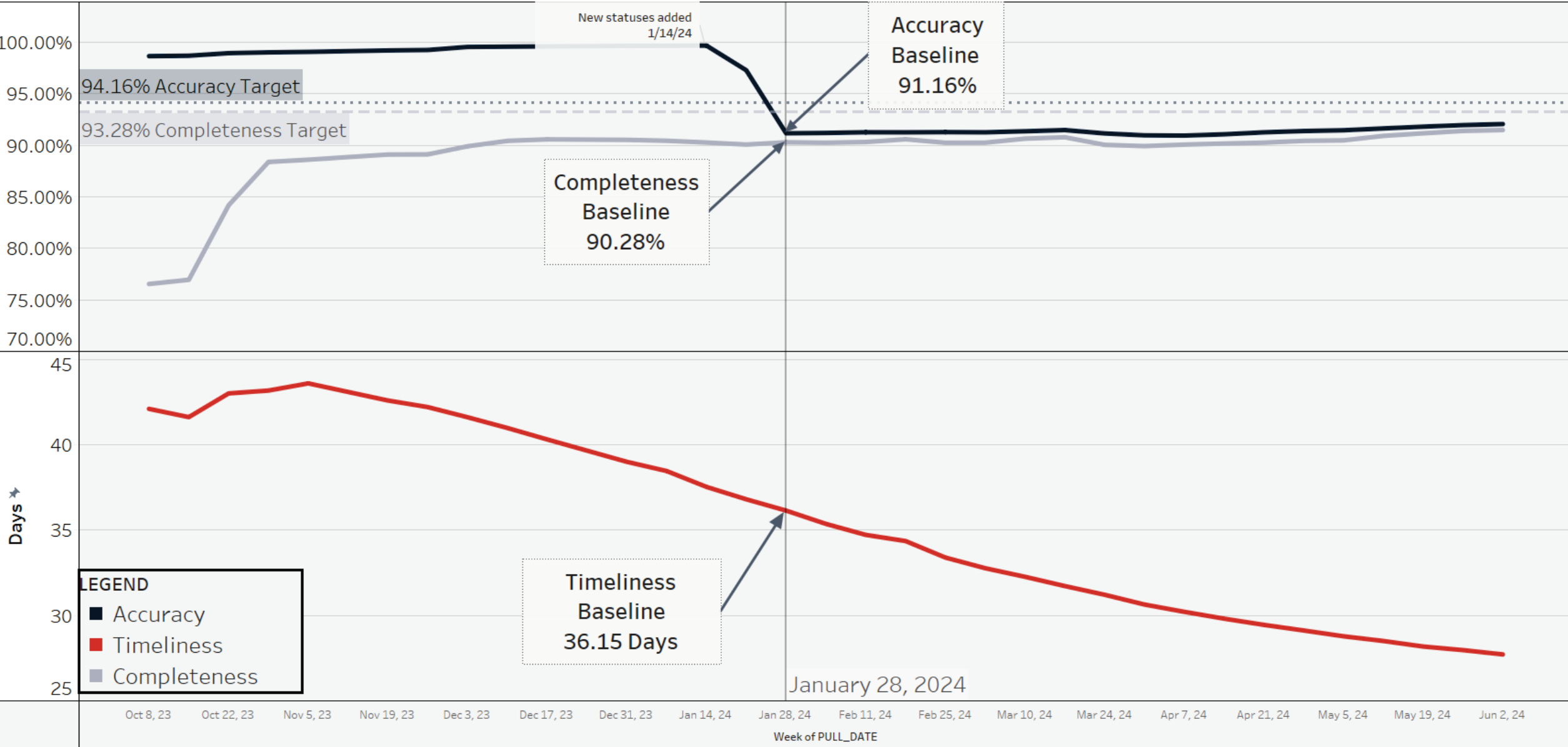
- **Completeness** - Percent of OOS surrender records with a DHR receipt.
 - **Baseline:** 0.83%
 - **Target:** Pending 11 jurisdictions to implement S2S
- **Timeliness** - Time from driver license issuance to DHR receipt.
 - **Baseline:** 110 Days
 - **Target:** Pending
- Post S2S launch **Completeness is 86.45%** and **Timeliness is 4.9 seconds**

Driver Data Sets (cont.)

State Pointer Exchange System (SPEXS) Data

- **Accuracy** – Percent of valid records not in Error status
 - **Baseline:** 91.16%
 - **Target:** 94.16%
- **Completeness** - Percent of valid records in Complete status
 - **Baseline:** 90.24%
 - **Target:** 93.24%
- **Timeliness** - Days in SPEXS Queue
 - **Status:** SPEXS system is still new; awaiting stabilization before committing to measurements

SPEXS Accuracy, Completeness, Timeliness



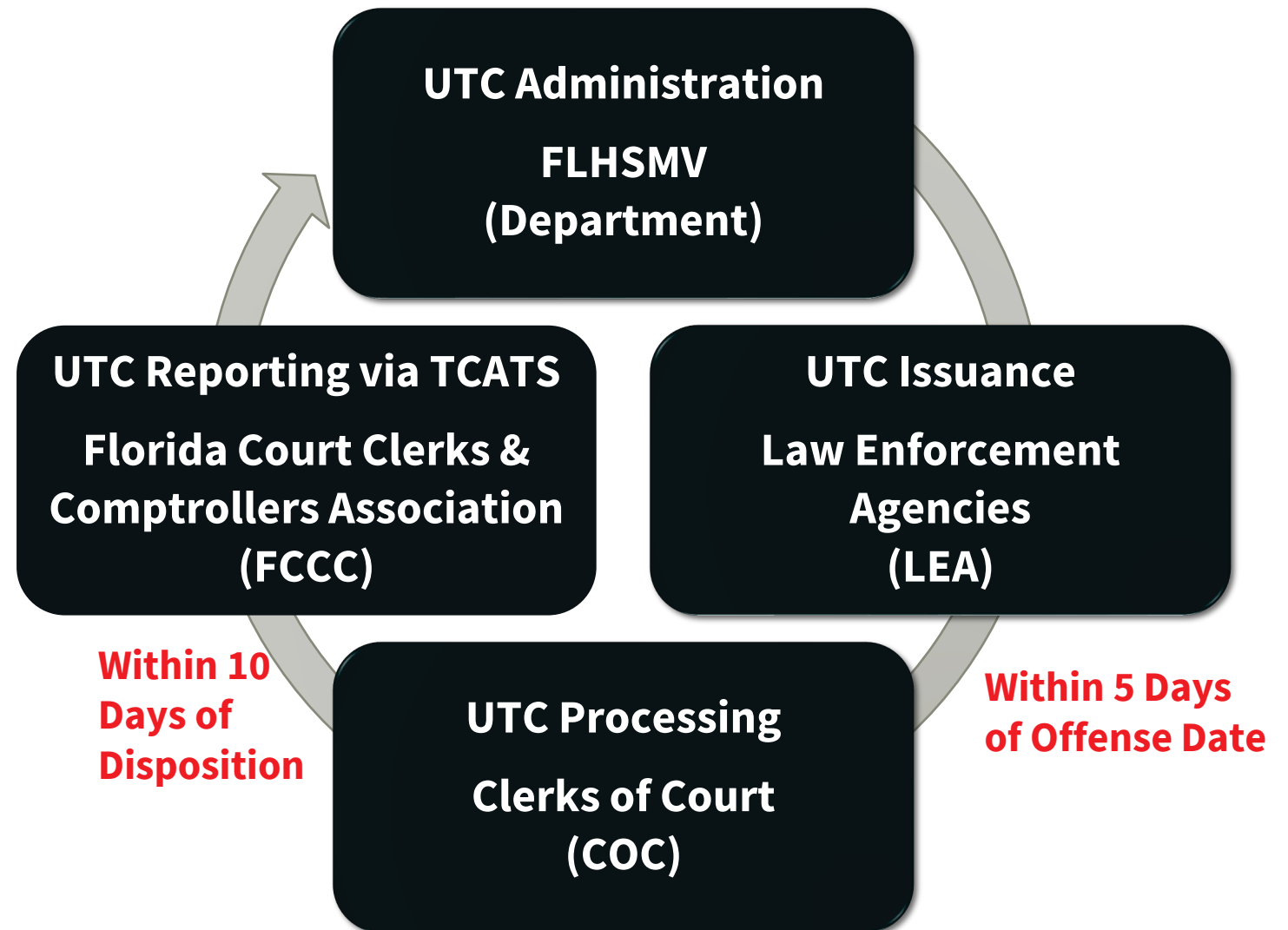
Driver Data Sets (cont.)

Disposition Completeness on the Driver Record

- **Completeness** – Reduce the number of dispositions with an offense over a year old that have been closed/disposed but haven't been returned to FLHSMV
 - Roughly 0.5% of all dispositions
 - **Status:** Clerks of Court are reviewing data and training with FLHSMV Liaisons to improve disposition submission. HSMV is working on tools to help the liaisons.
 - **Baseline:** 99.49%
 - **Target:** 99.52%

Uniform Traffic Citation (UTC) Process Cycle

UTCs are legal notices issued by law enforcement to motorists for traffic violations



Vehicle Data Sets

Vehicle Weight

➤ **Accuracy** - Percent of registration transactions where vehicles are within 50% of average weight or under 2,000 lbs.

- **Baseline:** 99.56%
- **Target:** 99.58%

Vehicle Data Sets (cont.)

Fuel Type

- Data collection not required
- **Completeness** - Percent of registered vehicles with a fuel type
 - **Baseline:** 12.89%
 - **Target:** 16.00%
- Integrated VINtelligence with our data to decode fuel type from the VIN
- Retroactive decoding has improved fuel type **Completeness to 98.37%**
- **Target Exceeded**

CERTIFICATE OF ORIGIN FOR A VEHICLE

1910

DATE 05/30/17

VEHICLE IDENTIFICATION NUMBER [REDACTED]

YEAR 2017

MAKE CHEVROLET

MODEL SILVERADO 4WD CREW CAB PICKUP

NO. CYLS. 08

SHIPING WEIGHT 5406

H.P. (S.A.E.) 45.7

GVWR 7200

SERIES OR MODEL CK15543

N.T.R. 1/2

I, the undersigned authorized representative of the company, firm or corporation named below, hereby certify that the new vehicle described above is the property of the said company, firm or corporation and is transferred on the above date and under the Invoice Number indicated to the following distributor or dealer.

NAME OF DISTRIBUTOR, DEALER, ETC. [REDACTED]

It is further certified that this was the first transfer of such new vehicle in ordinary trade and commerce.

* THIS VEHICLE *
* HAS A *
* 50-STATE *
* EMISSION *
* SYSTEM *

GENERAL MOTORS LLC

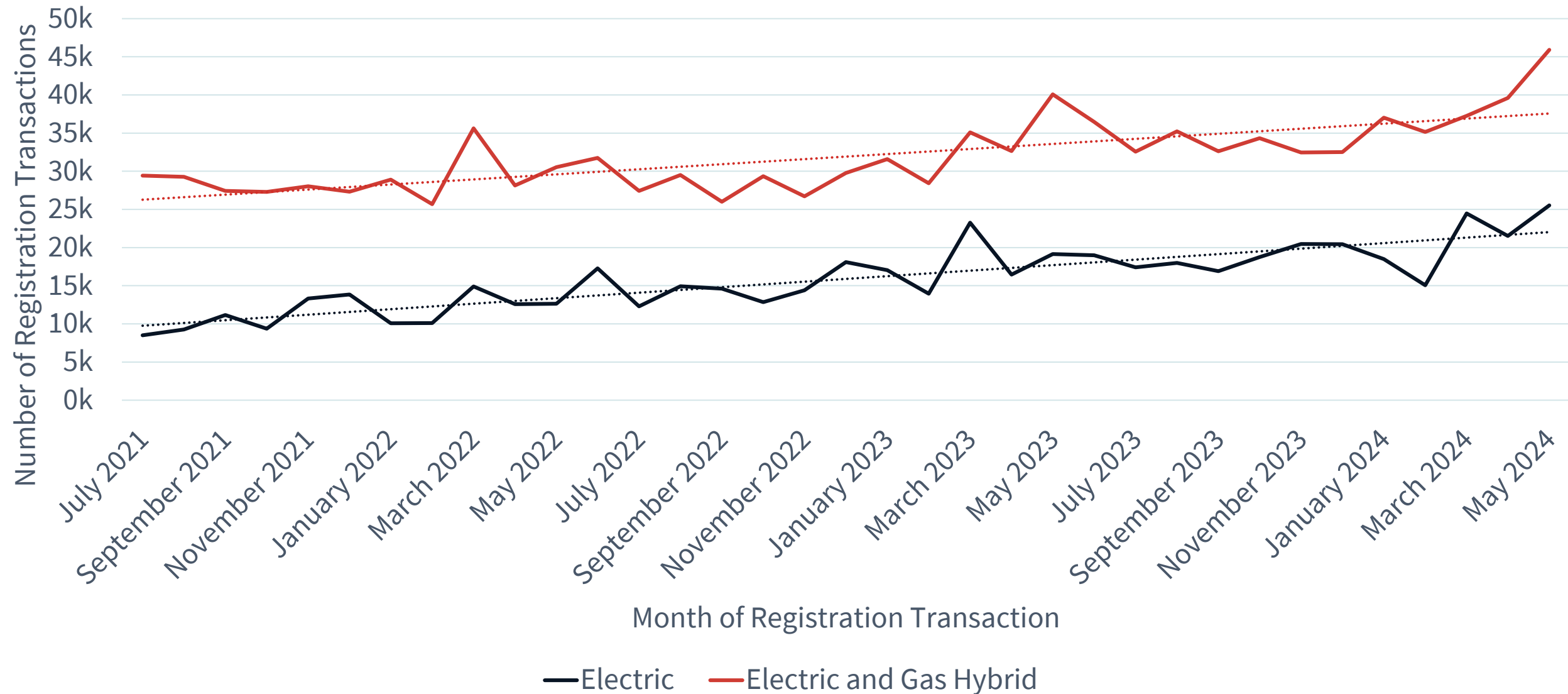
(SIGNATURE OF AUTHORIZED REPRESENTATIVE) [Signature]

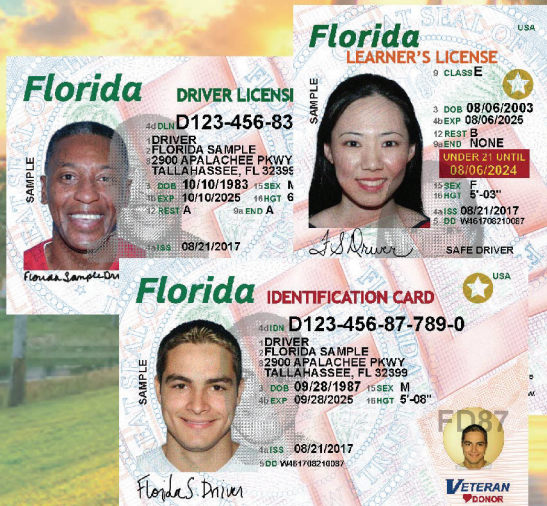
DETROIT MI 48243-1114

G76100500

Fuel Type

Cars, Trucks, Buses, and Motorcycles





FLHSMV
FLORIDA HIGHWAY SAFETY AND MOTOR VEHICLES



Questions?

Contact: 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



June 21, 2024

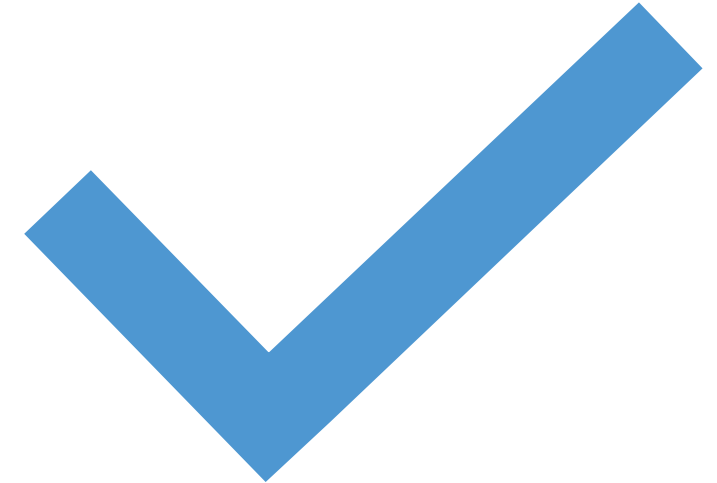


EMS Field Data Collection



FY 23/24

Review of Grant Objectives & Status



Luis Dominguez
Project Director

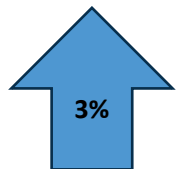
Brenda Clotfelter
Project Manager

FY 23/24 Objectives

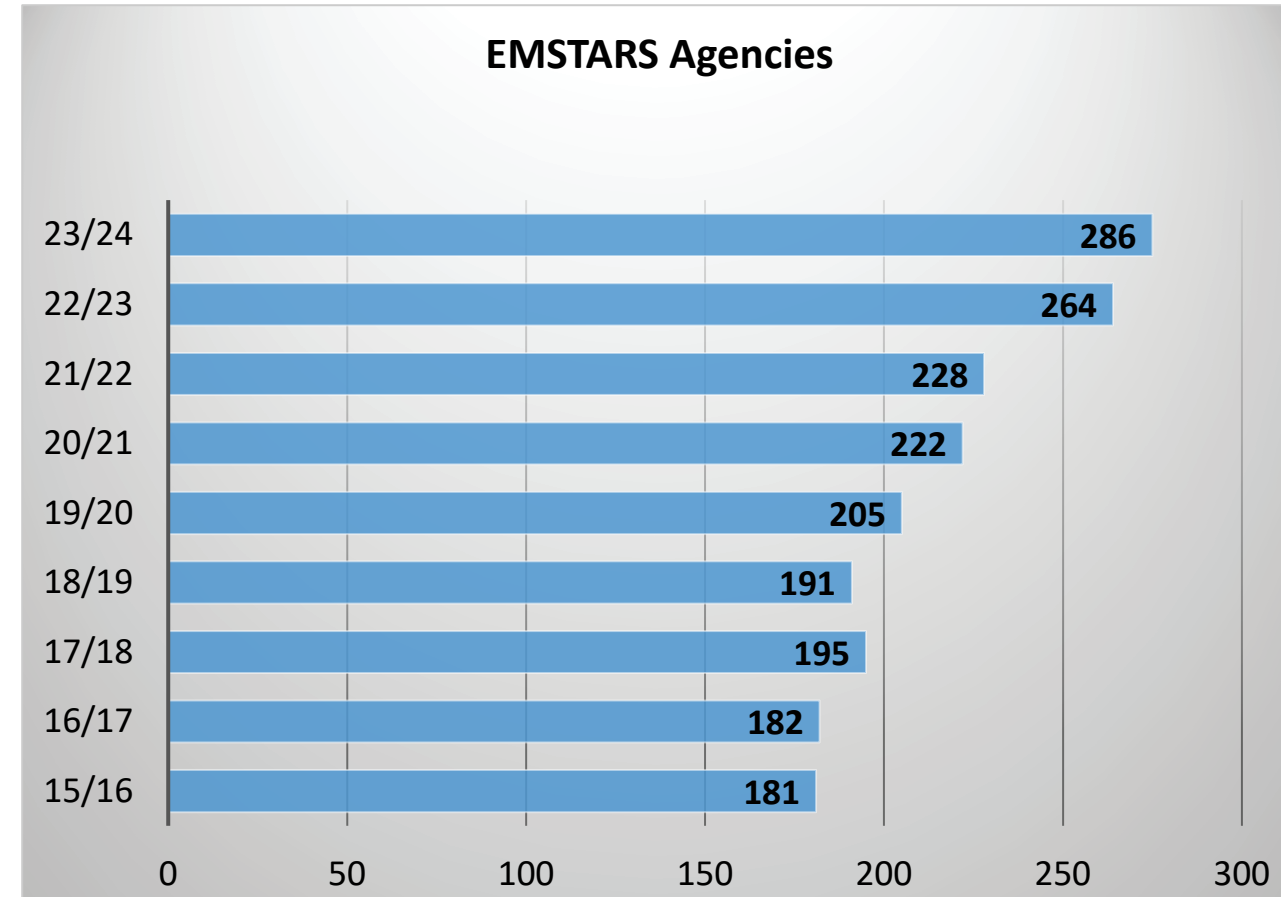


Completeness

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



88%



325 Total Licensed Agencies

286 Agencies in EMSTAR – included 6 subagencies

10 Pending

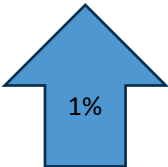
41 Aggregate

FY 23/24 Objectives

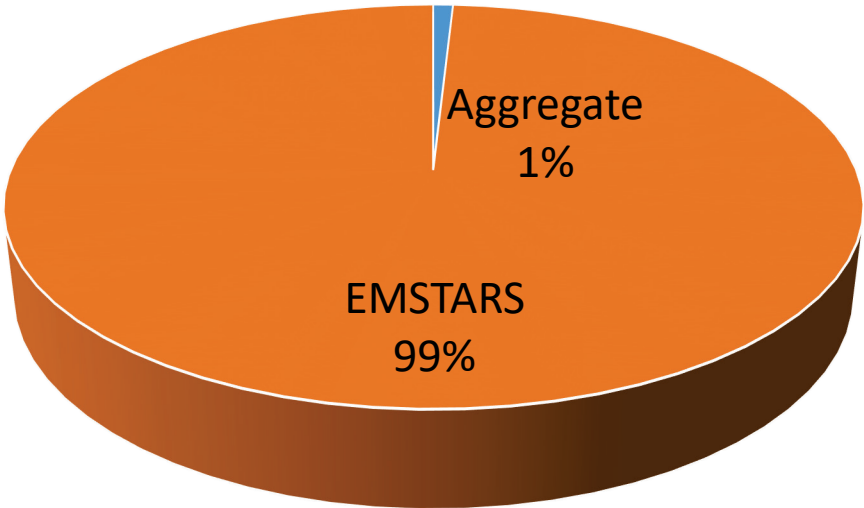


Completeness

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



99%

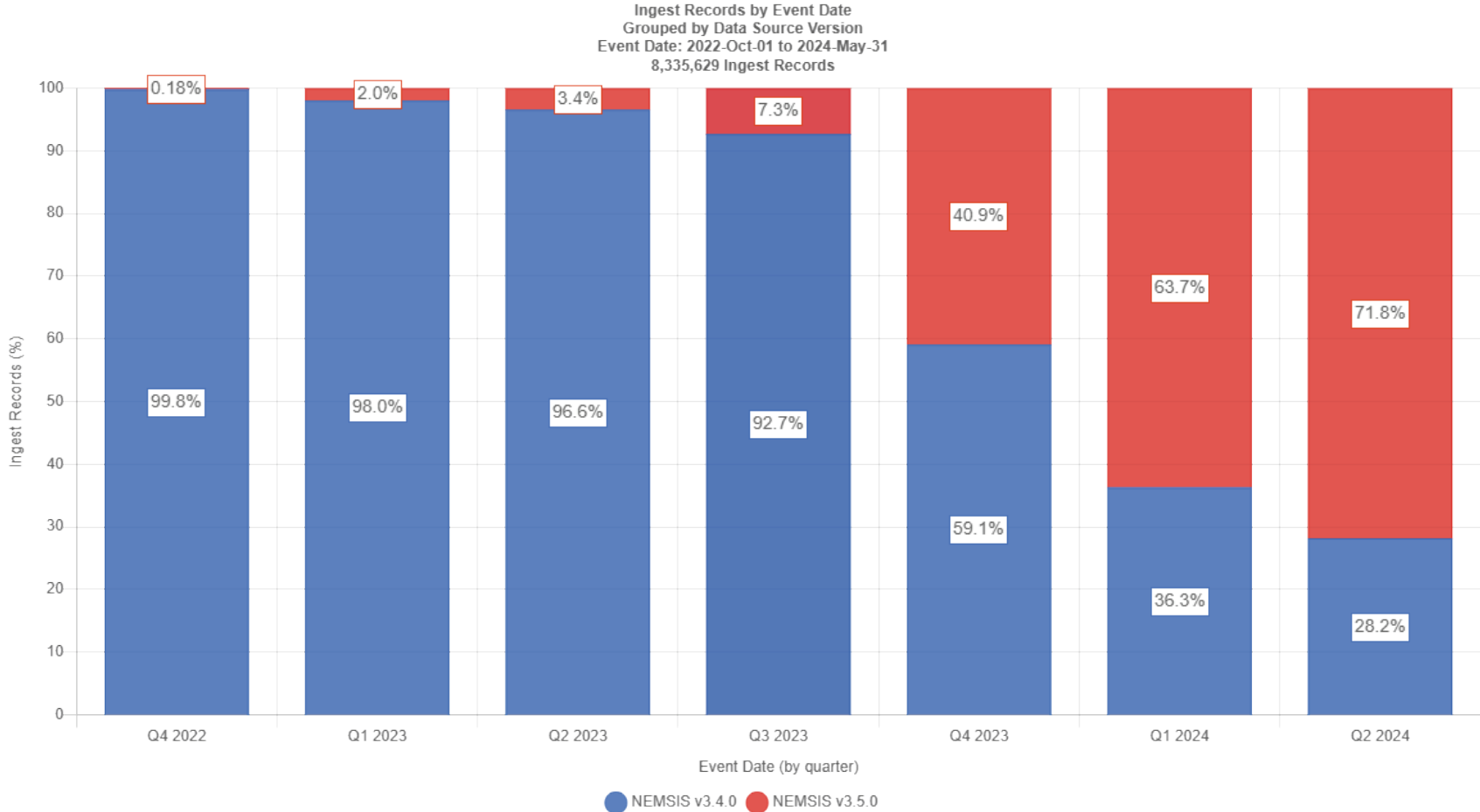
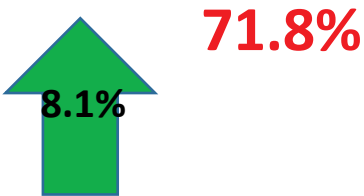


	2023	2024 Qtr 2
EMSTAR/biospatial	4,977,117	2,172,734
Aggregate	101,722	19,414
Totals	5,078,839	2,192,148
% EMSTAR	98%	99%

FY 23/24 Objectives



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





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.

- ✓ **Completed Florida Data Dictionary update for V3.5**
- ✓ **Completed Monthly updates to State Data Set**
- ✓ **Completed Quarterly Business Rules Review**
- ✓ **Completed Business Rule Schematron Update**
- ✓ **V3.5.1 changes under review – Revised target 12/24 - standard not final**

FY 23/24 Objectives



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
- ✓ Project Director attended NASEMSO annual meeting in May

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
 - 1/10/24 – completed
 - 3/20/24 - completed (BR subcommittee)
 - 6/12/24 – completed

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

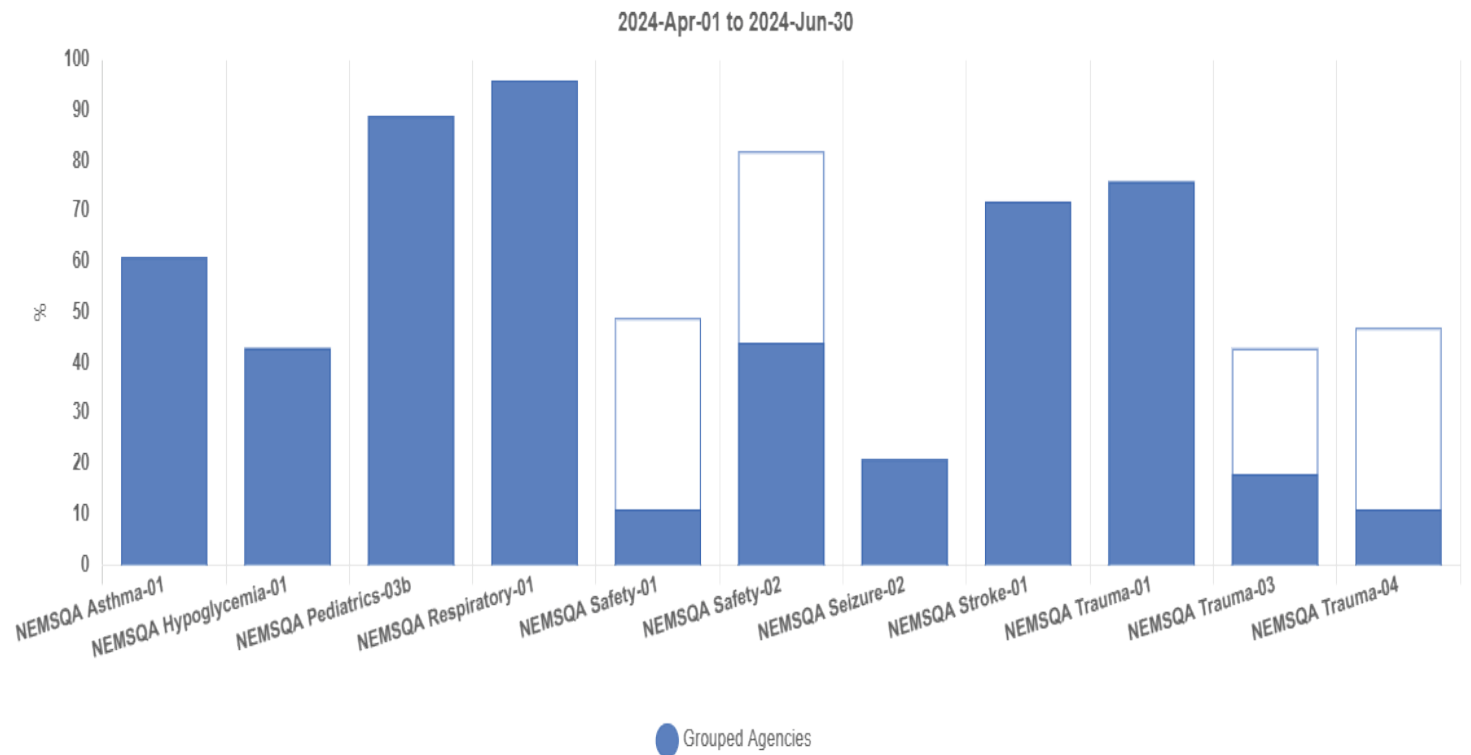
FY 23/24 OBJECTIVES

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 review apart of Regional Coordinators Site Visits



State Strategic Plan Measures

Other EMS Clinical Performance Measures

Non-traumatic Cardiac Arrest Bystander CPR

Non-traumatic Cardiac Arrest ROSC

STEMI Facility Transport

STEMI On-scene Time

Stroke Facility Transport

Stroke On-scene Time (FL)

Trauma Facility Transport

FY 23/24 OBJECTIVES



DATA QUALITY SCORE

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

Completeness

Timeliness

Accuracy

Relevancy

DATA QUALITY METRICS

Each quality metric has its own measures to calculate the metric score.

All metric scores are used to calculate the overall Data Quality Score

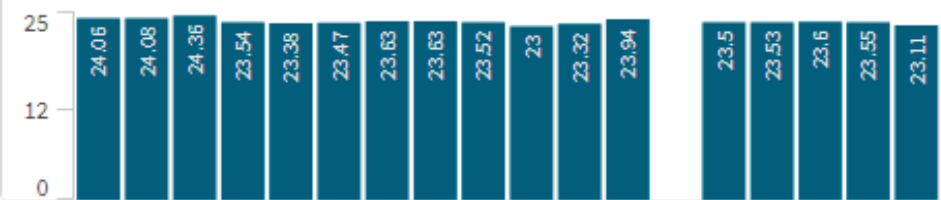
FY 23/24 OBJECTIVES

DATA QUALITY
SCORE

Dashboard

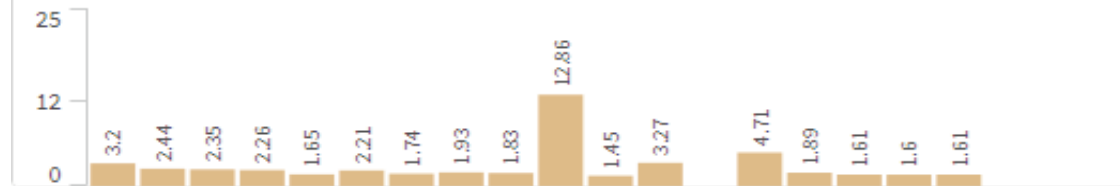
COMPLETENESS

Event Completeness by Year, Month



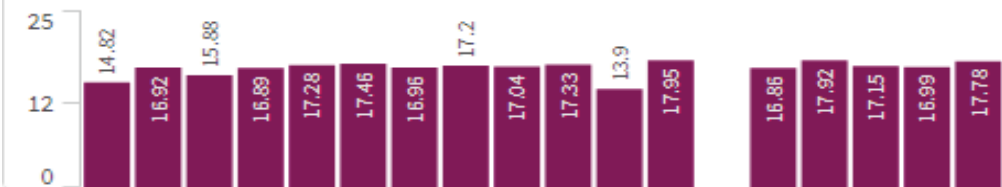
TIMELINESS

Demographics Submission by Year, Month



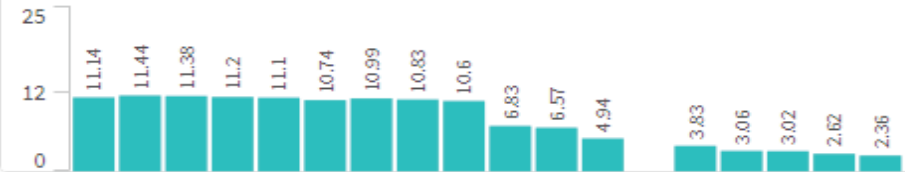
TIMELINESS

Event Latency by Year, Month



ACCURACY

Event Validation by Year, Month



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

DATA QUALITY SCORE



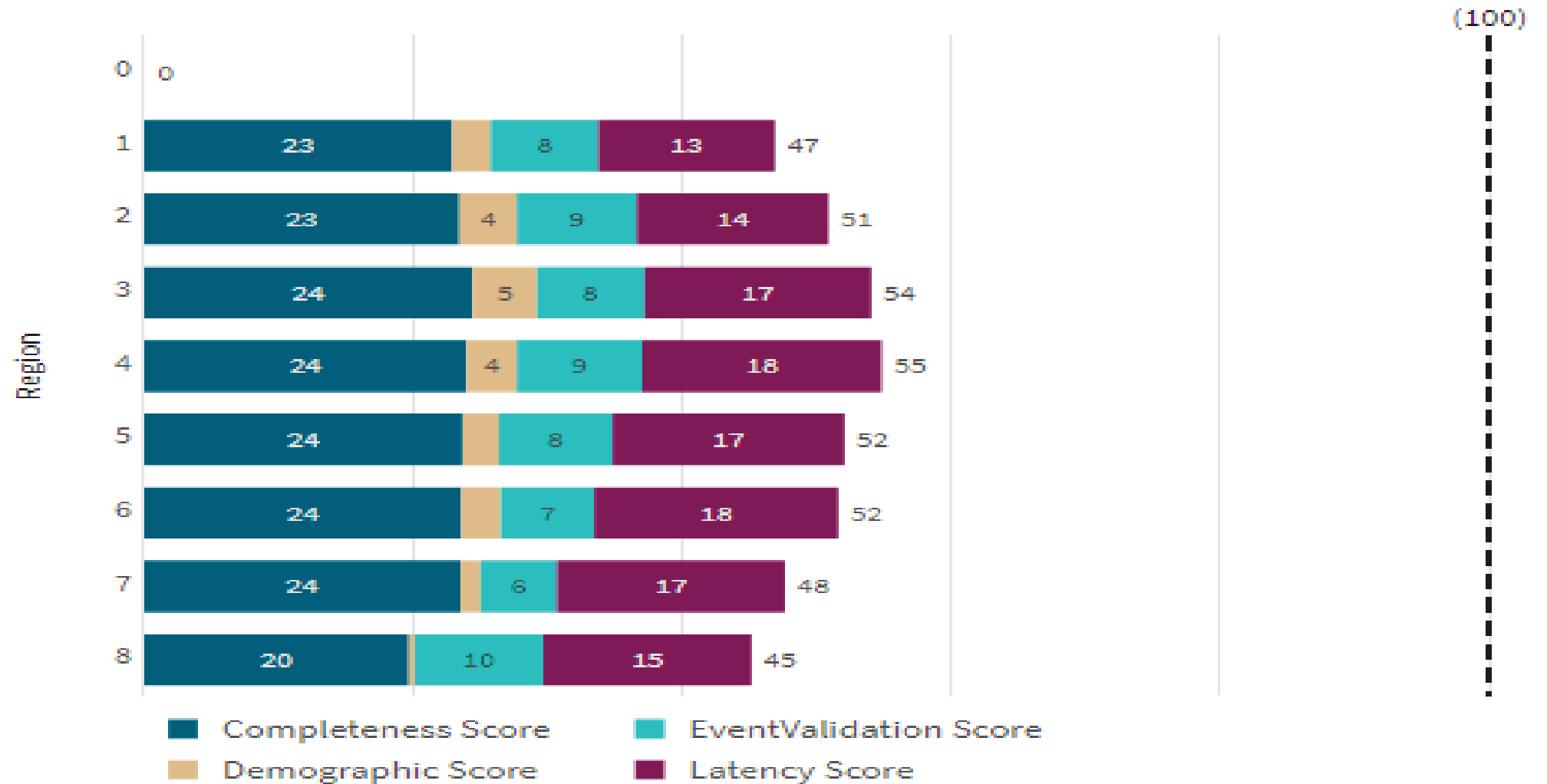
RELEVANCY

- Similar to the Accuracy but focuses on measuring accuracy of elements within the selected operational or clinical performance measures



DATA QUALITY SCORE

Data Quality Score Metrics



FY 23/24 OBJECTIVES



Timeliness

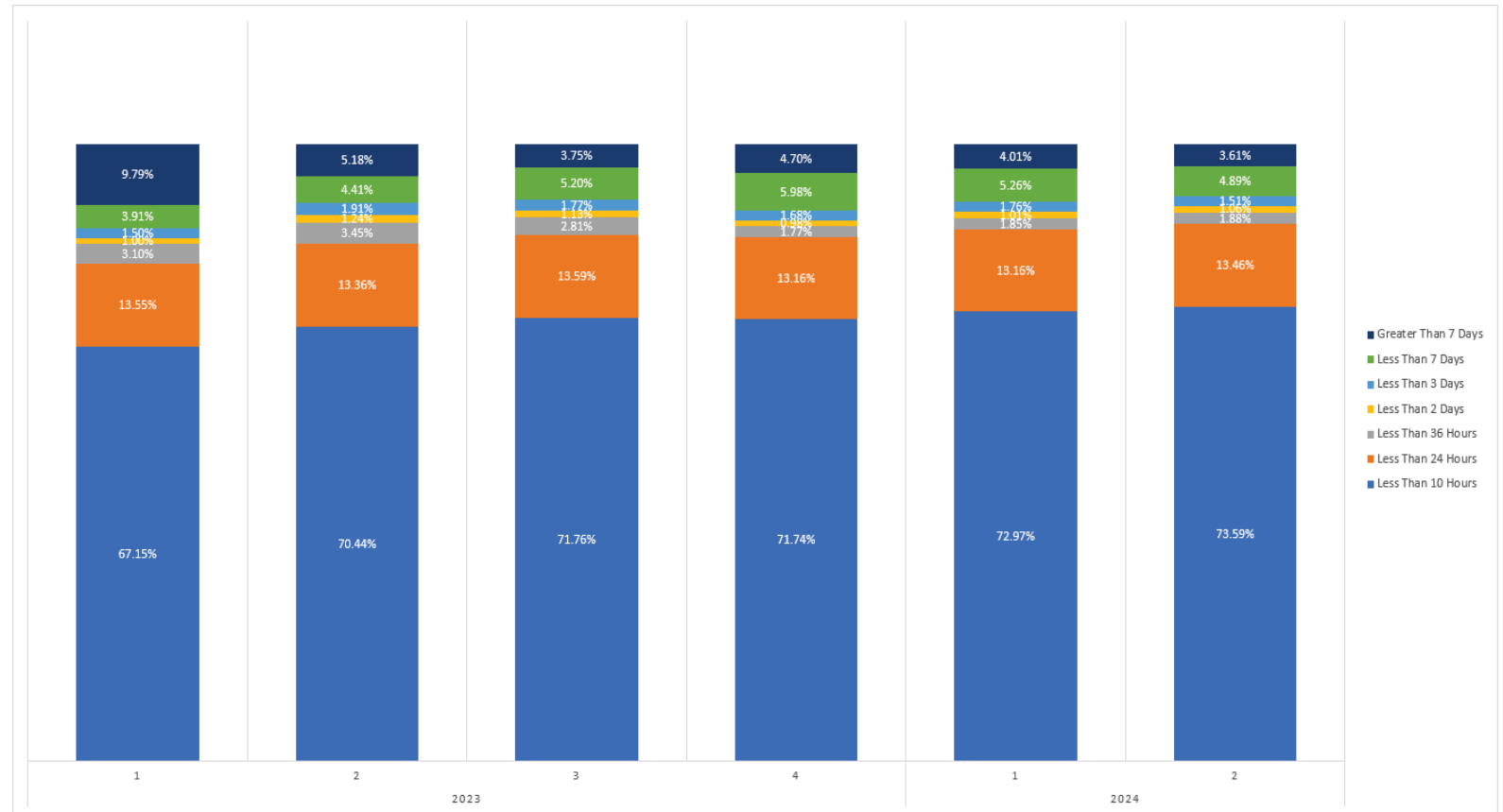
**Increase % of V3 EMS
emergency run
reports received
within 10 hours of the
run to 70% by
September 30, 2024**

73.59%

Qtr 2 2024

(Down .7%, varies based on
resubmissions)

87% within 24Hr



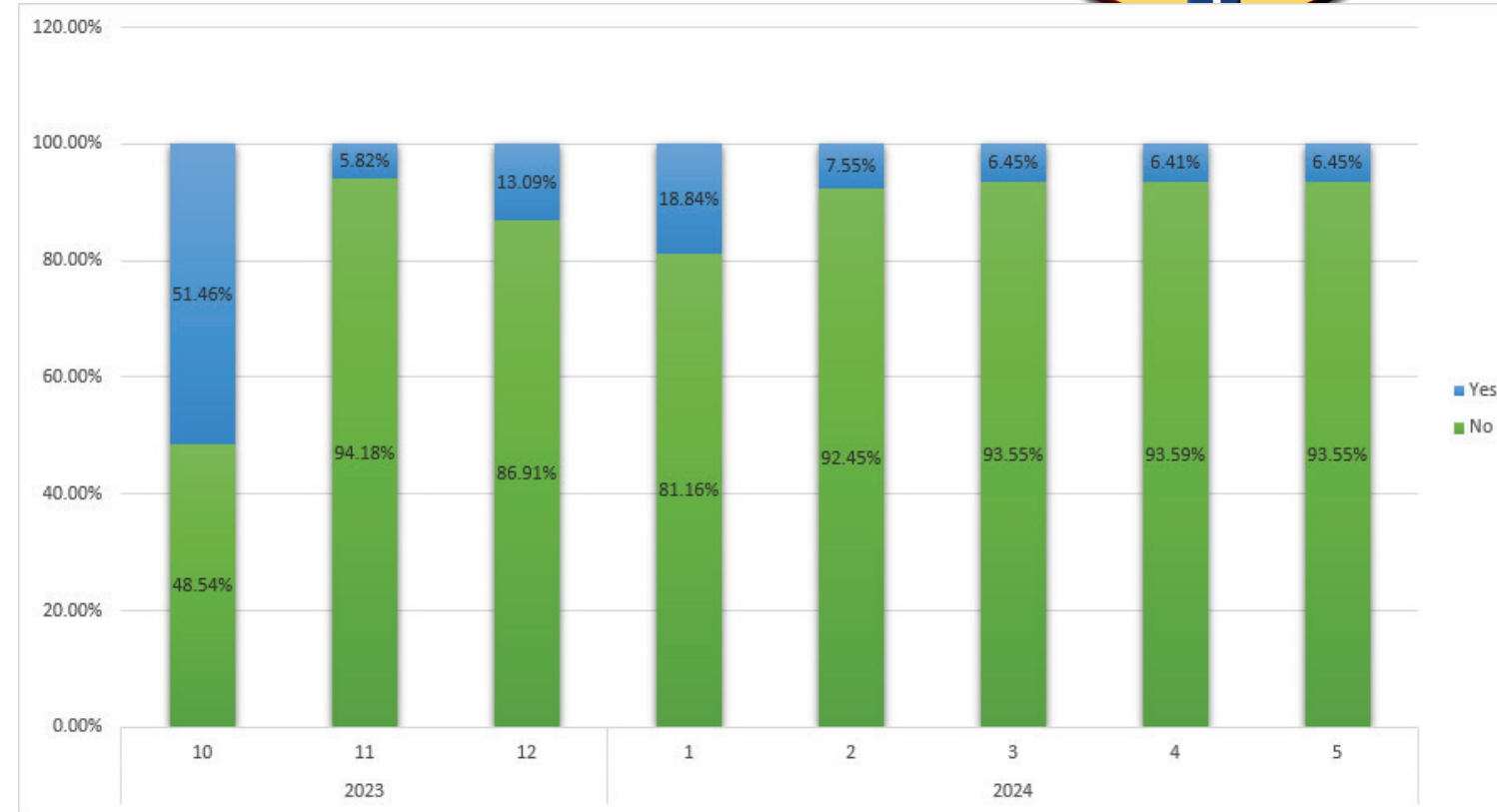
FY 23/24 Objectives



Timeliness

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

6.45%



- ✓ Baseline – 8.92% as of 8/23
- ✓ 50% - Monitoring/Reporting on measurements – Move to 3.5 -10/23
- ✓ 6.45% - 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

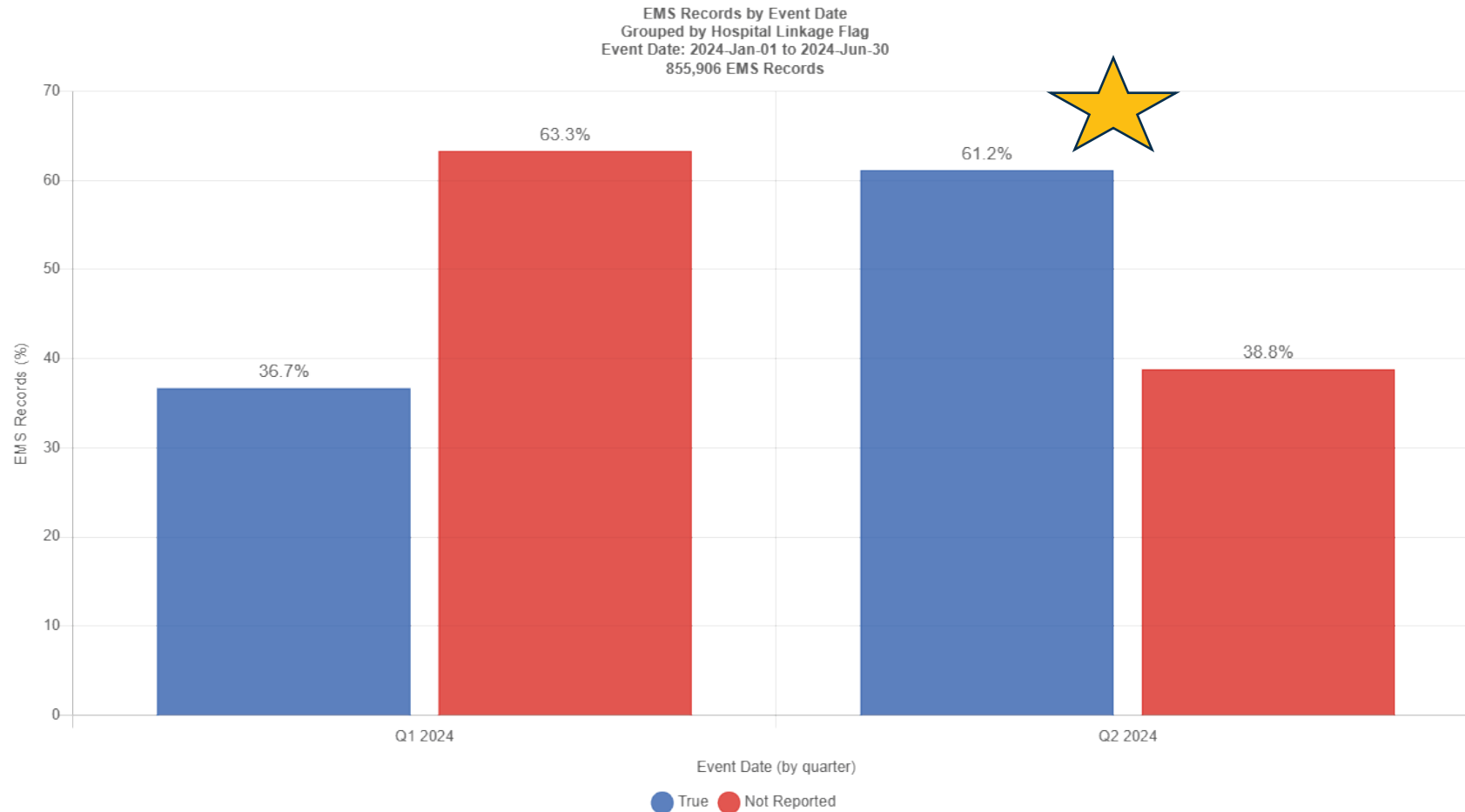
- Health Information Exchange
- Crash Records – *automated feed TBD – **waiting for MOU finalization***
- ESSENSE Integration
- Trauma Data (no formal linkage)
- Florida Stroke Registry in progress
 - ✓ Requirements – complete
 - ✓ Implementation – 10/23
 - ✓ Data Use Agreement executed
 - ✓ Export configuration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



Florida HIE Linkage – 61.2%



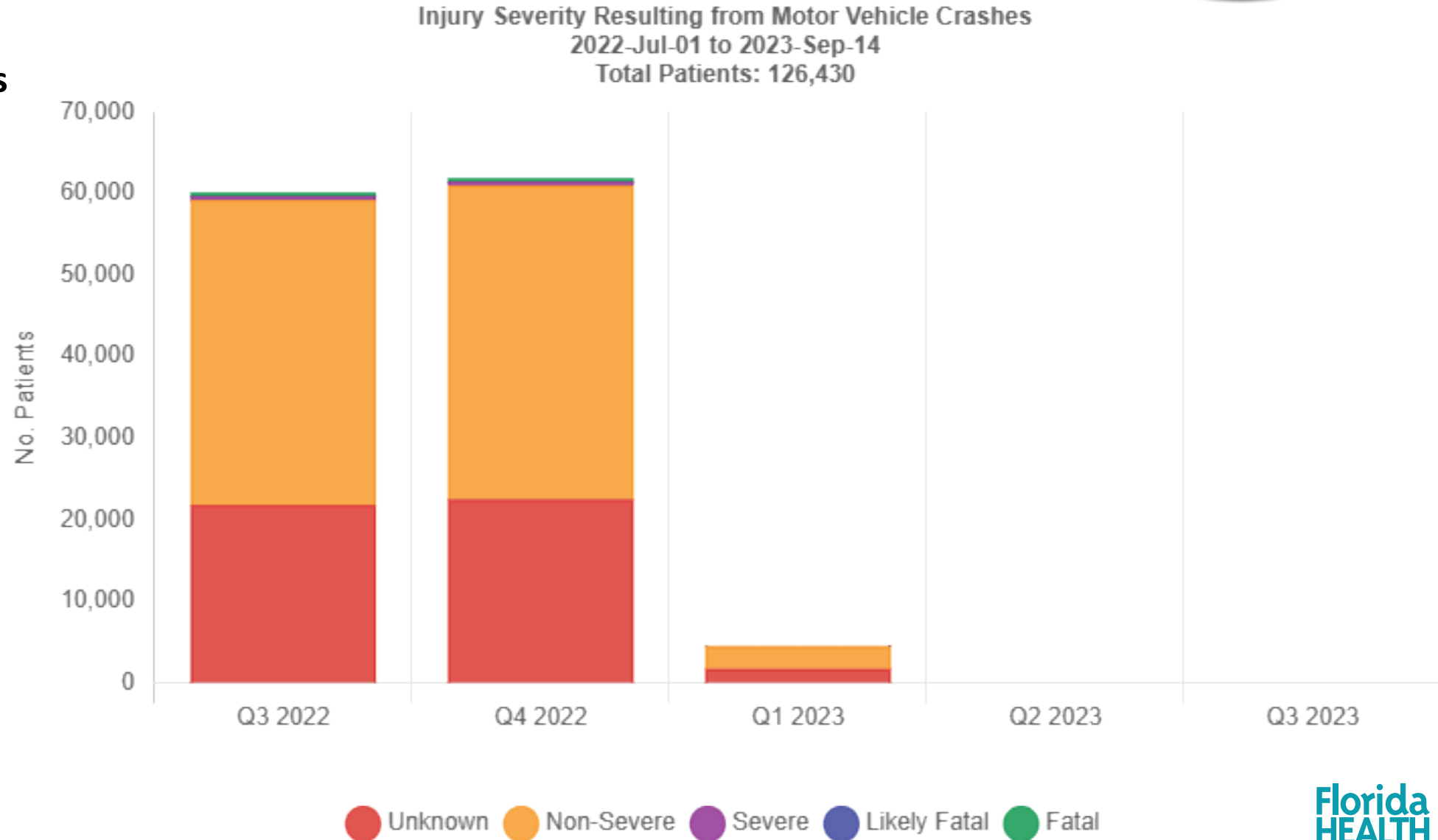
Integration



Linked EMS/Crash Data



Integration
MOU in progress



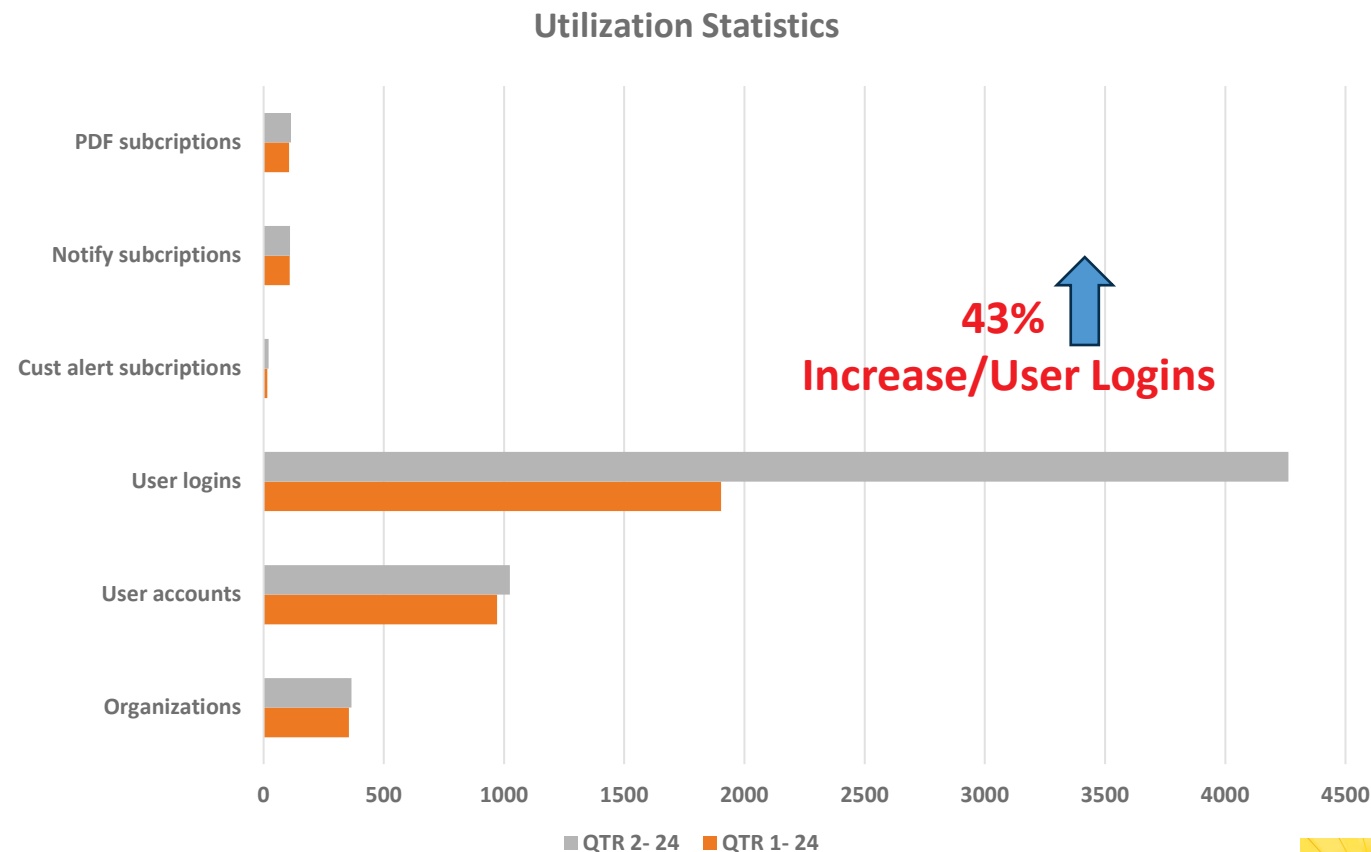
FY 23/24 Objectives



Accessibility

Work in Progress

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



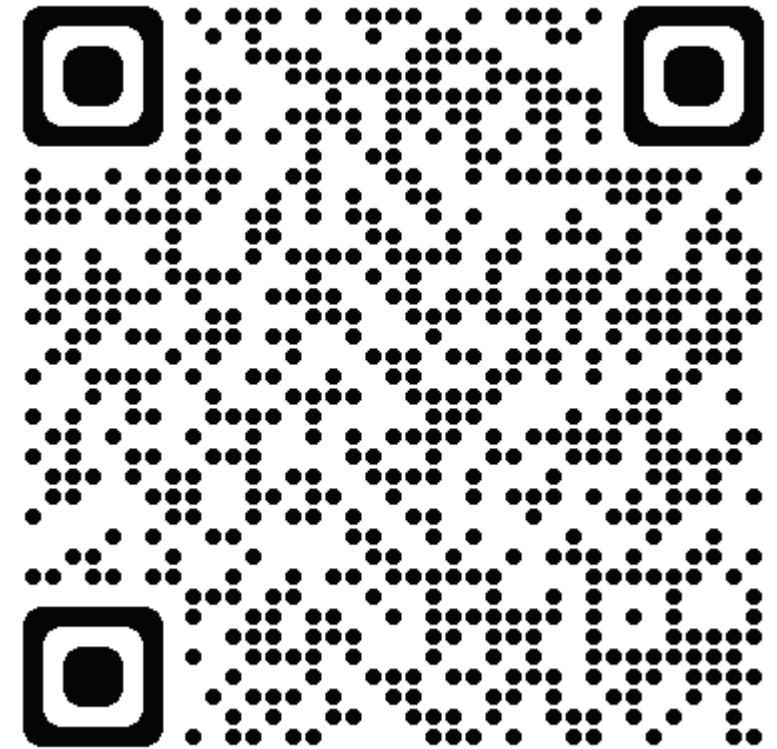
EMS Field Data Collection



We appreciate your continued support.



Brenda Clotfelter
Data Unit / Bureau of
Emergency Medical Oversight
727-424-4530
Brenda.clotfelter@flhealth.gov



www.floridaemstars.com



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

Florida State University



FLORIDA STATE
UNIVERSITY

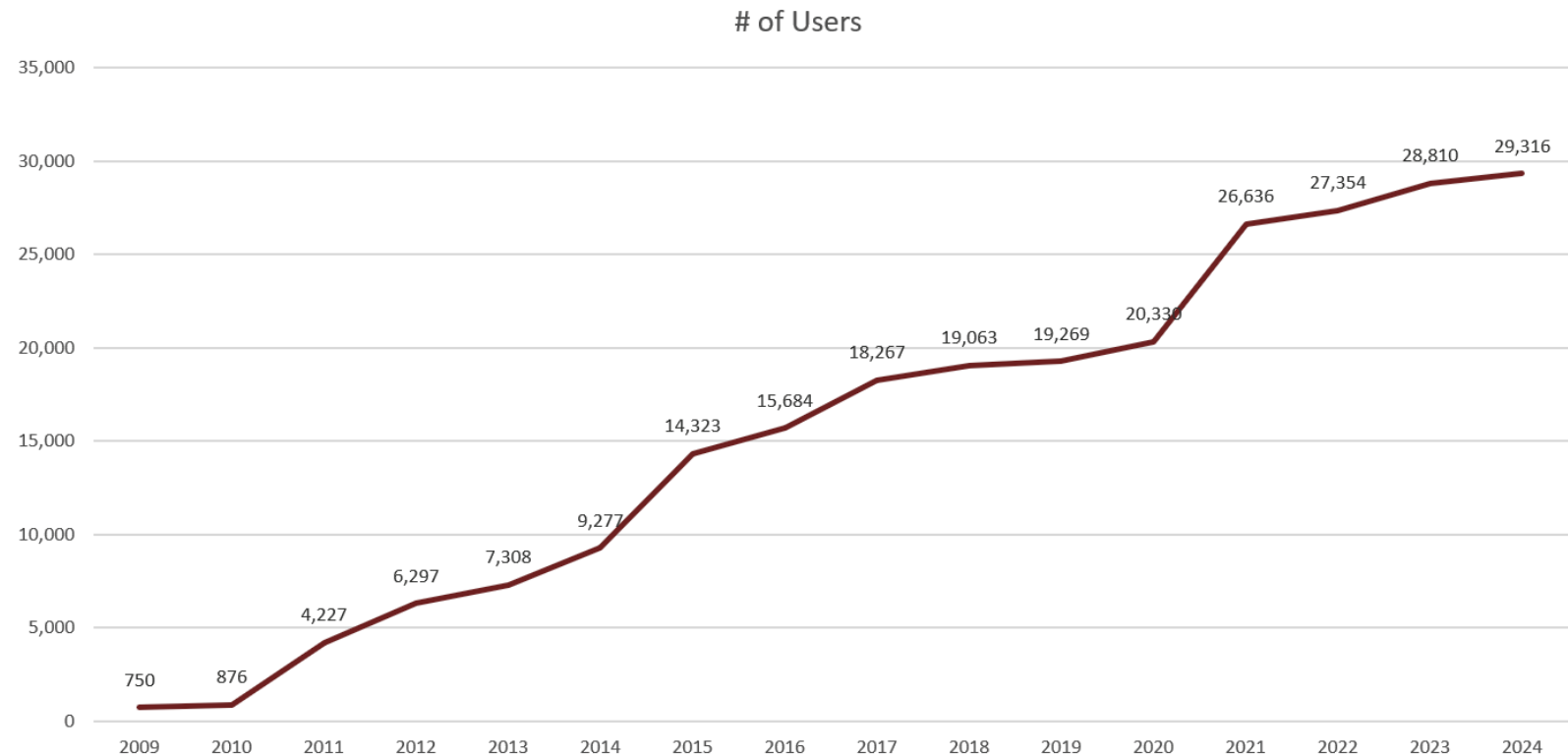
June 21, 2024

TRAFFIC AND CRIMINAL SOFTWARE



TraCS Growth - Users

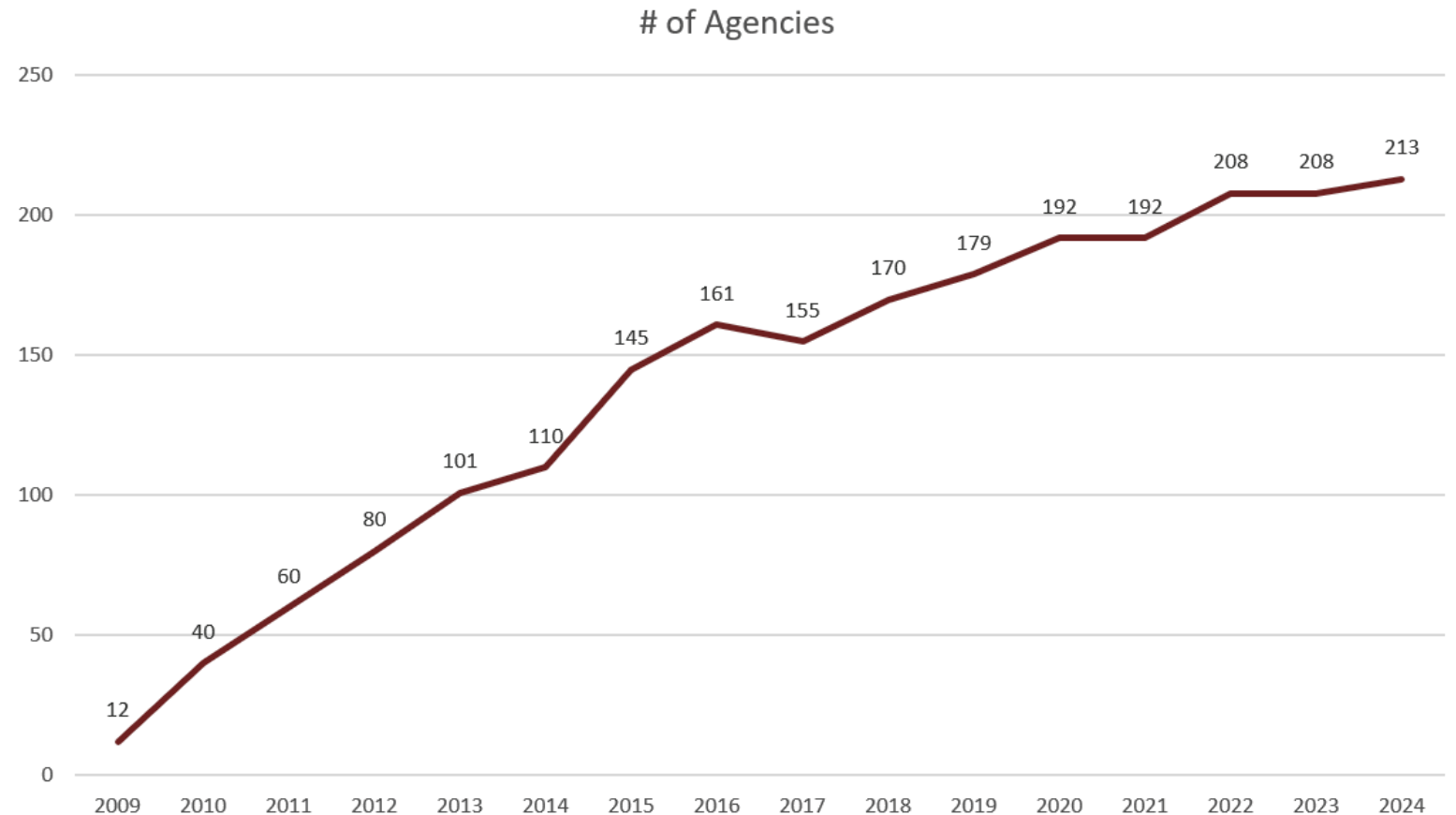
- Users
 - 2008: 750
 - 2023: 29,316





TraCS Growth - Agencies

- Agencies
 - 2008: 12
 - 2024: 213





Objective: Accuracy

- FY23-24 Q2: 99.99%
- 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: 59.42%
- To maintain or increase the total percentage of statewide **crash reports** submitted electronically by agencies using the TraCS Florida software.



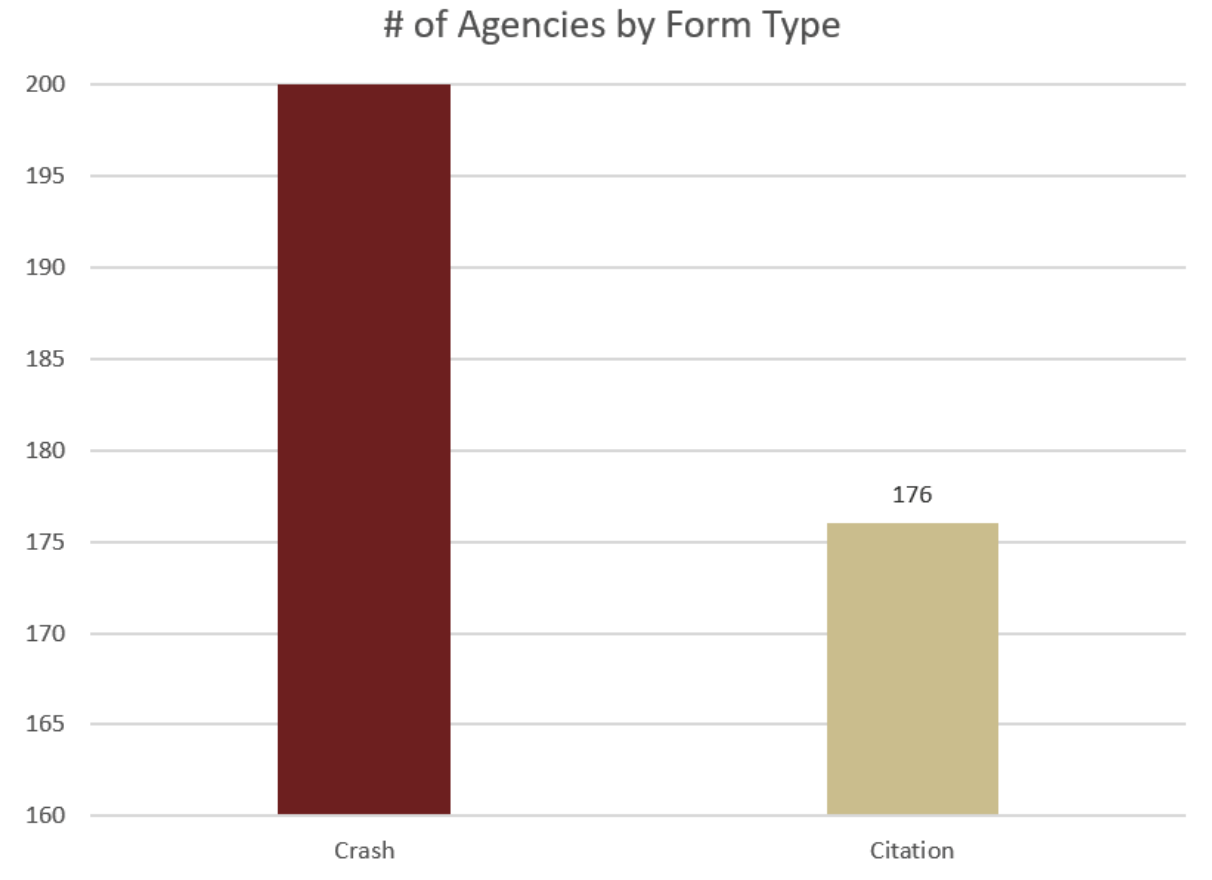
Objective: Completeness

- [Approved eCrash vendors](#) (REV. 6/19/23)
 1. TraCSFlorida (~ 59.42%)
 2. SmartCop (FHP ~32%, do not have stats for their other agencies)
 - TraCS + FHP using SmartCop ~ 91%
 3. Superion
 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

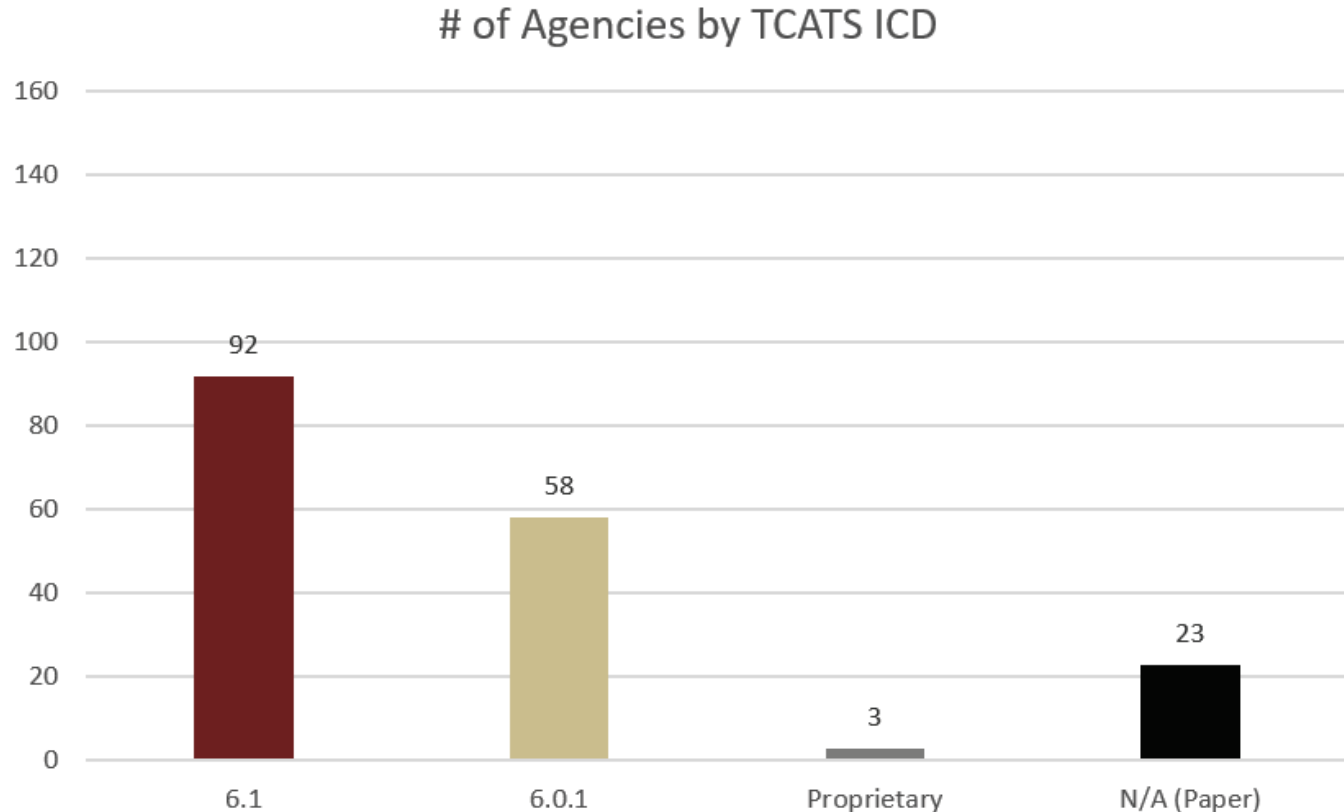
- To improve uniformity in data collection methods.





Objective: Uniformity

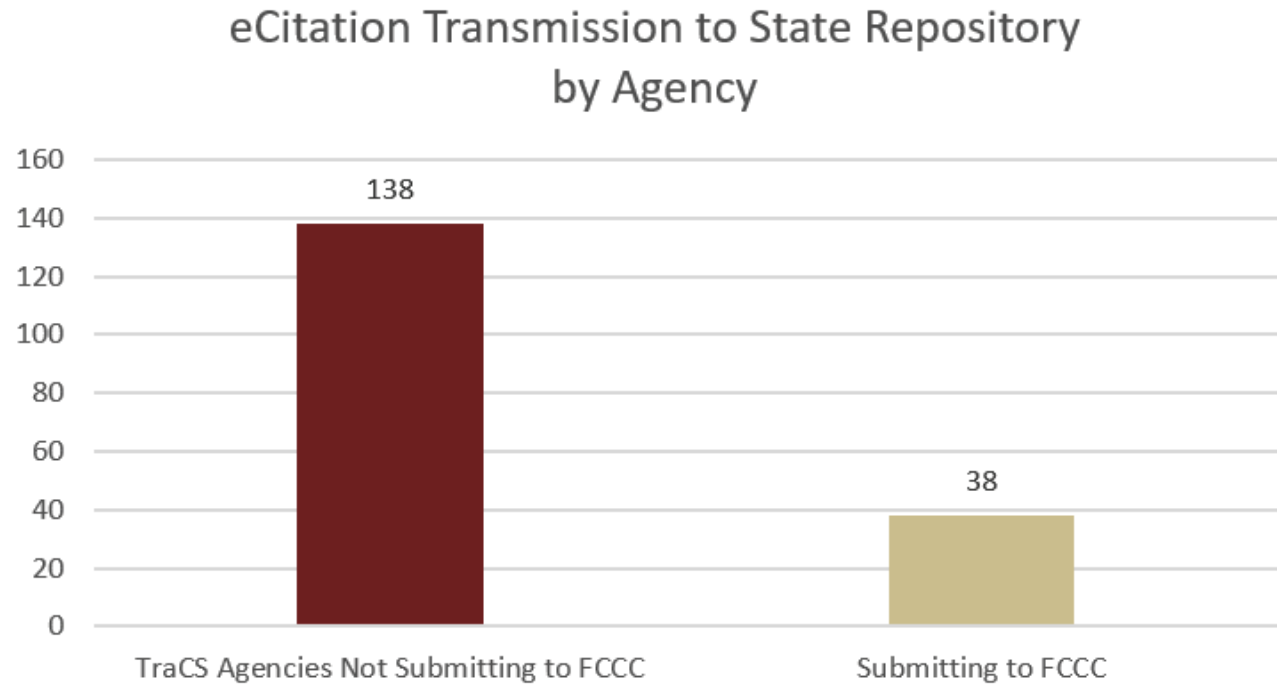
- To improve uniformity in data collection methods.
- Agencies are submitting paper in Broward, Escambia, & Volusia counties
- SAO's & Miccosukee PD do not transmit





Objective: Uniformity

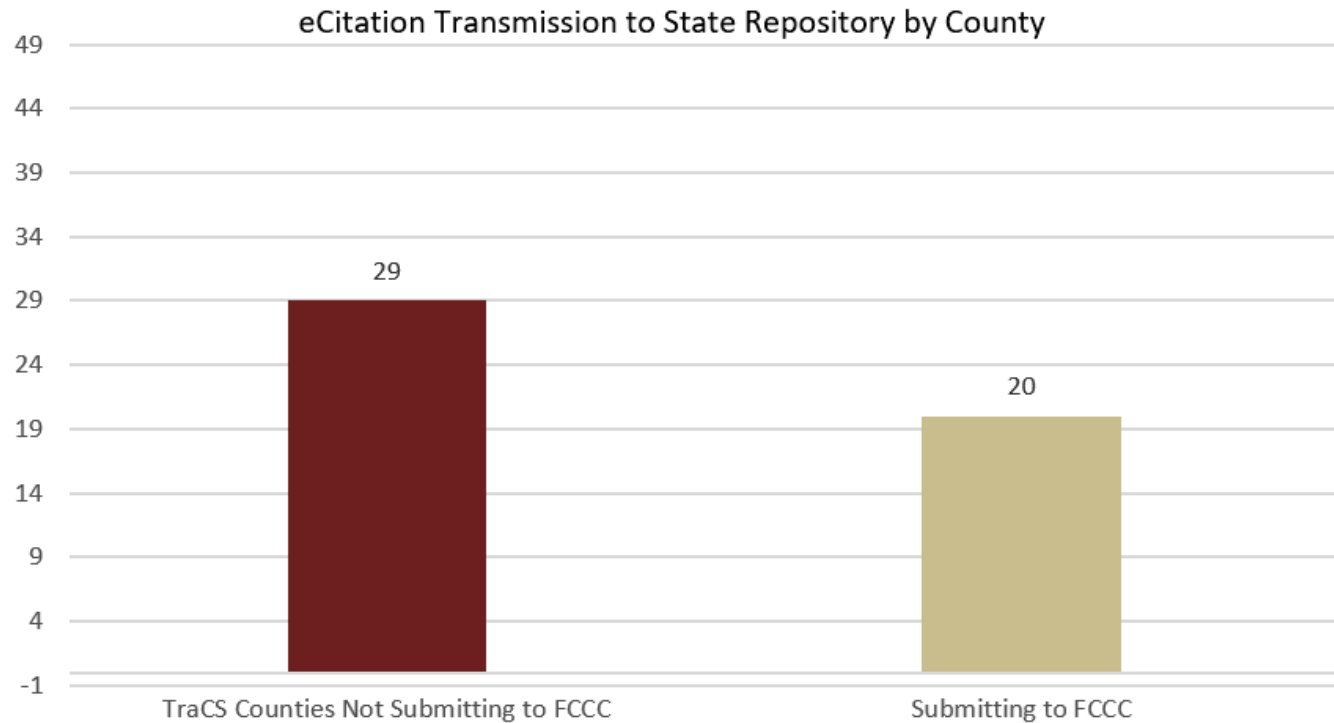
- Submitting to the FCCC (state citation repository)





Objective: Uniformity

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

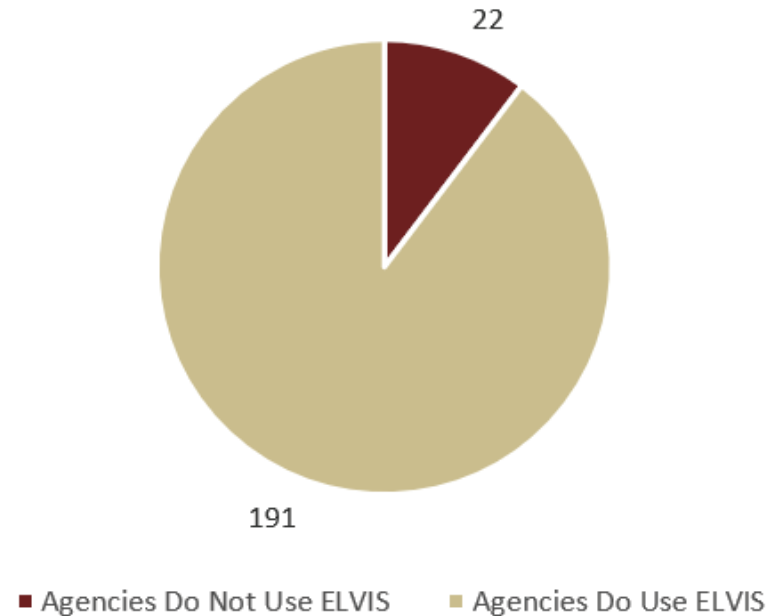




Objective: Integration

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

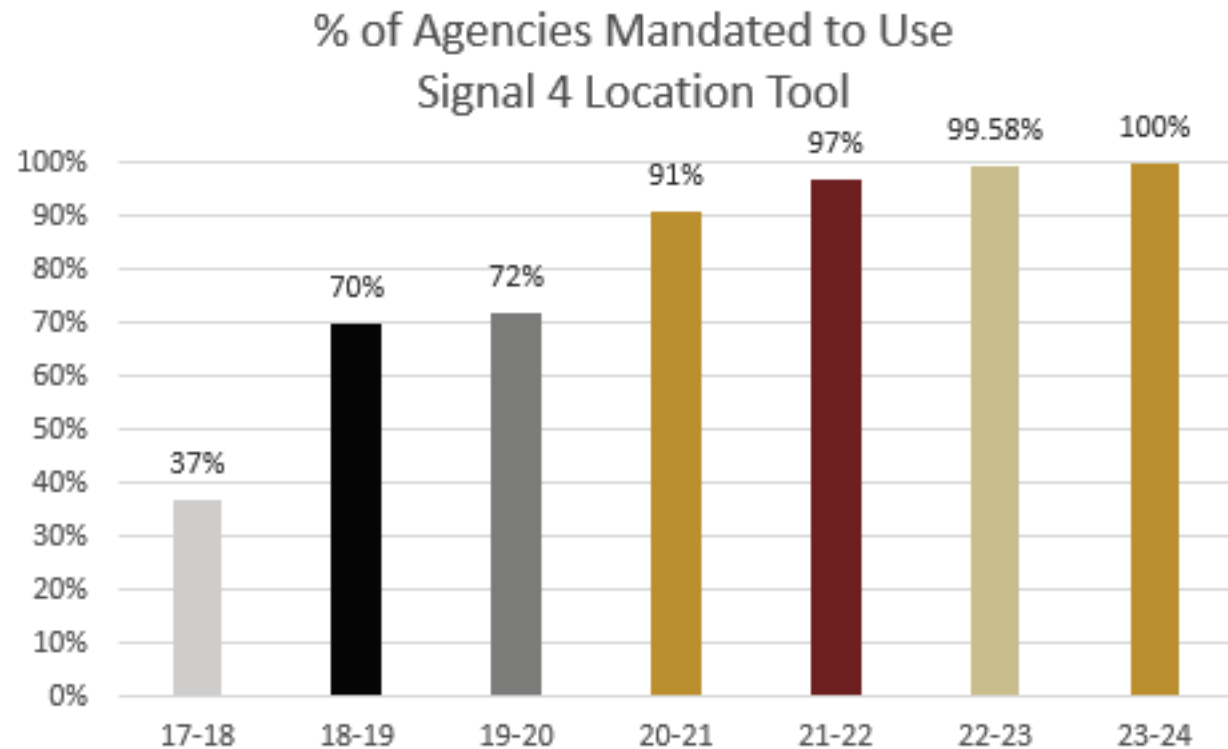
TraCS-ELVIS Integration Use





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.

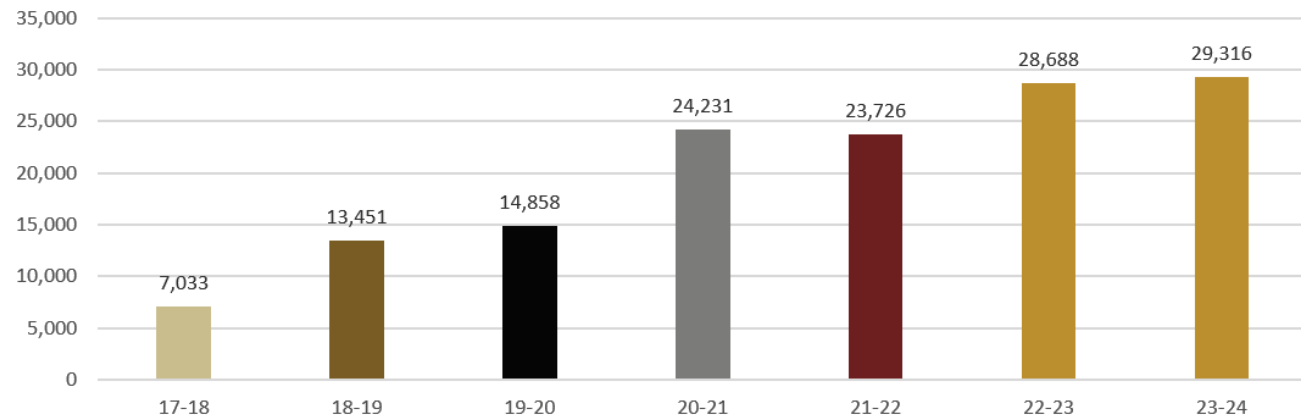




Objective: Integration

- 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

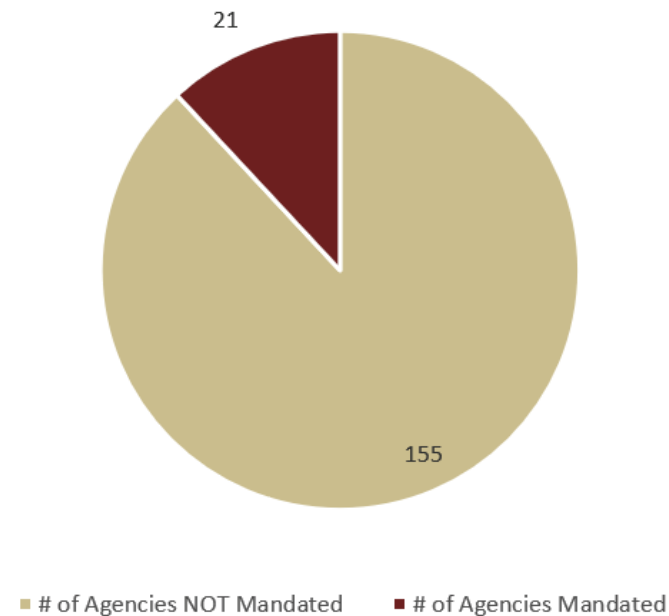




Objective: Integration

- 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





Objective: Integration

- 153 agencies using the Signal 4 Diagram Tool
 - 201 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						
1														
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		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	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

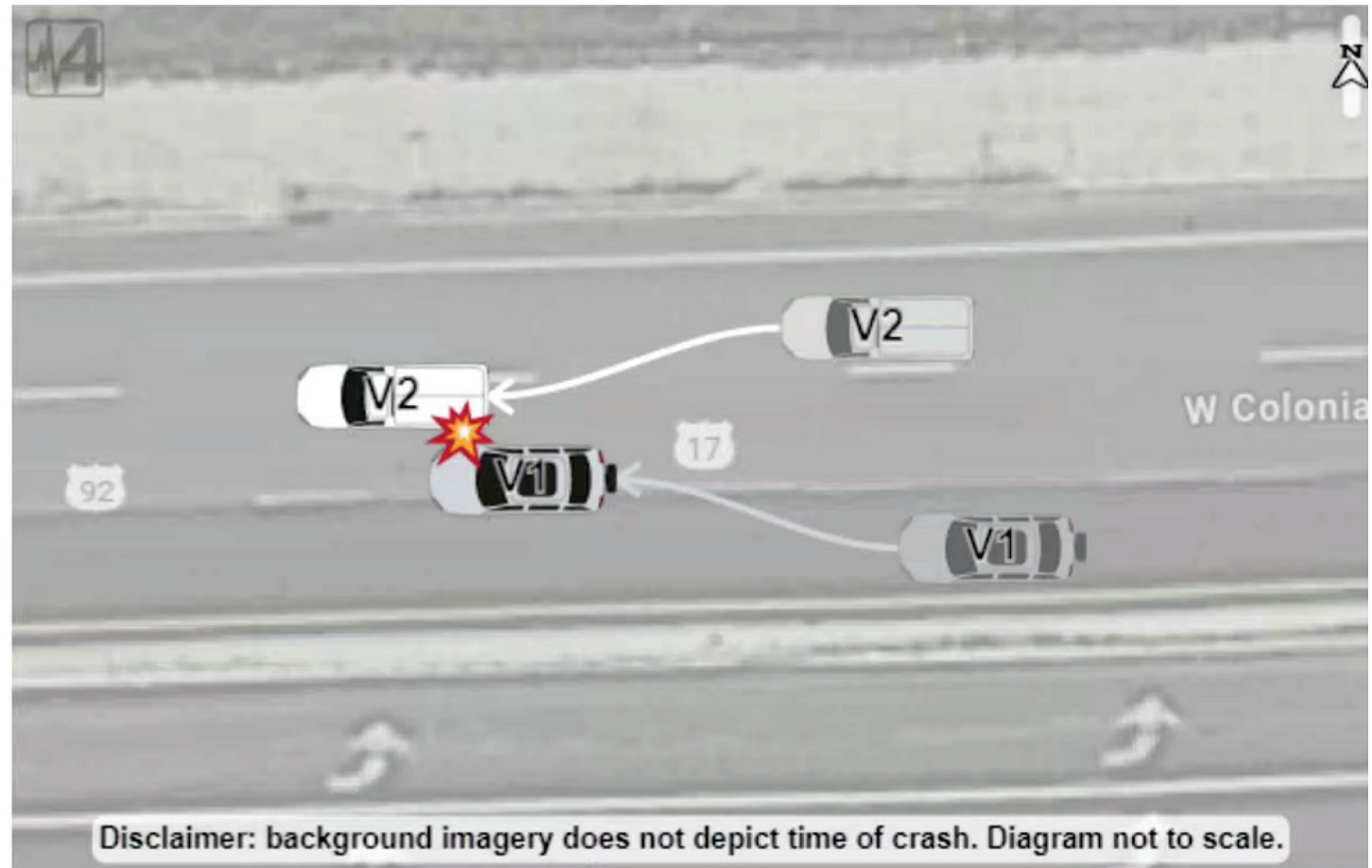
- The following **Non-Motorist** parameters are passed from the location tool and crash report to the Diagram tool:
 - Non-Motorist Number
 - Non-Motorist Description
 - Pedestrian
 - Bicycle

NON-MOTORIST									
PERSON # 1	NAME					ADDRESS			
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

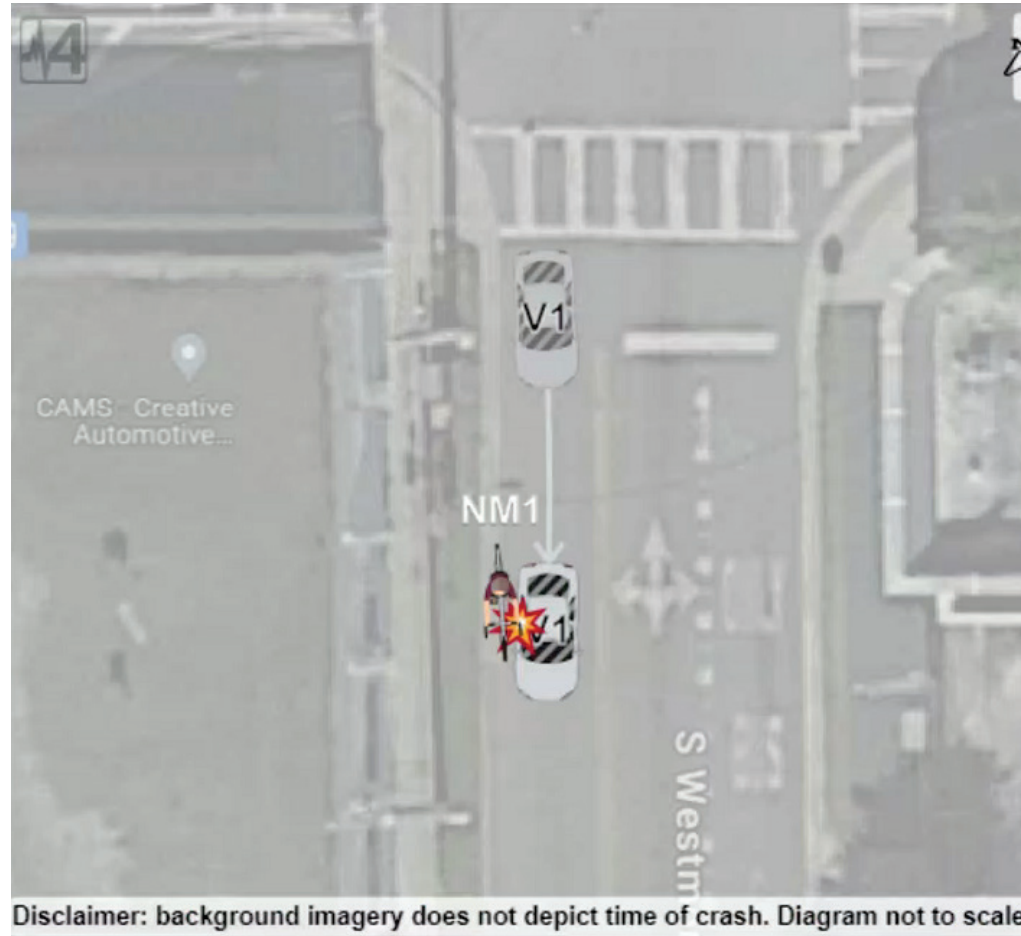
- Sample w/
non-motorist
(pedestrian)





Objective: Integration

- Sample with non-motorist (bicyclist)





Objective: Accessibility

- To maintain a primary data hosting site
 - Hosting data for 186 agencies



Objective: Timeliness

- FY23-24 Q2: 7.53 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
 - Hired a new support person and will train them
 - Starts August 1st
 - 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)
 - Attended ELVIS User Training in June
 - Attend FDOT Law Enforcement Award Ceremony in July
 - Attend TraCS National Steering Committee Meeting in August
 - Attend CJIS Symposium in October



FY 23-24

- Development
 - As of May, the full-time junior programmer position is no longer filled through the end of the fiscal year
 - 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
 - Deployed SentinelOne (complete)
 - Deployed CrowdStrike (complete)
 - 24/7 monitoring w/ FSU's cyber security center
 - No cost to the grant, this is paid for by FSU
 - Upgraded 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
 - Deployed new firewall at Panama City PD (complete)
 - Manage backups of databases offsite to Panama City PD



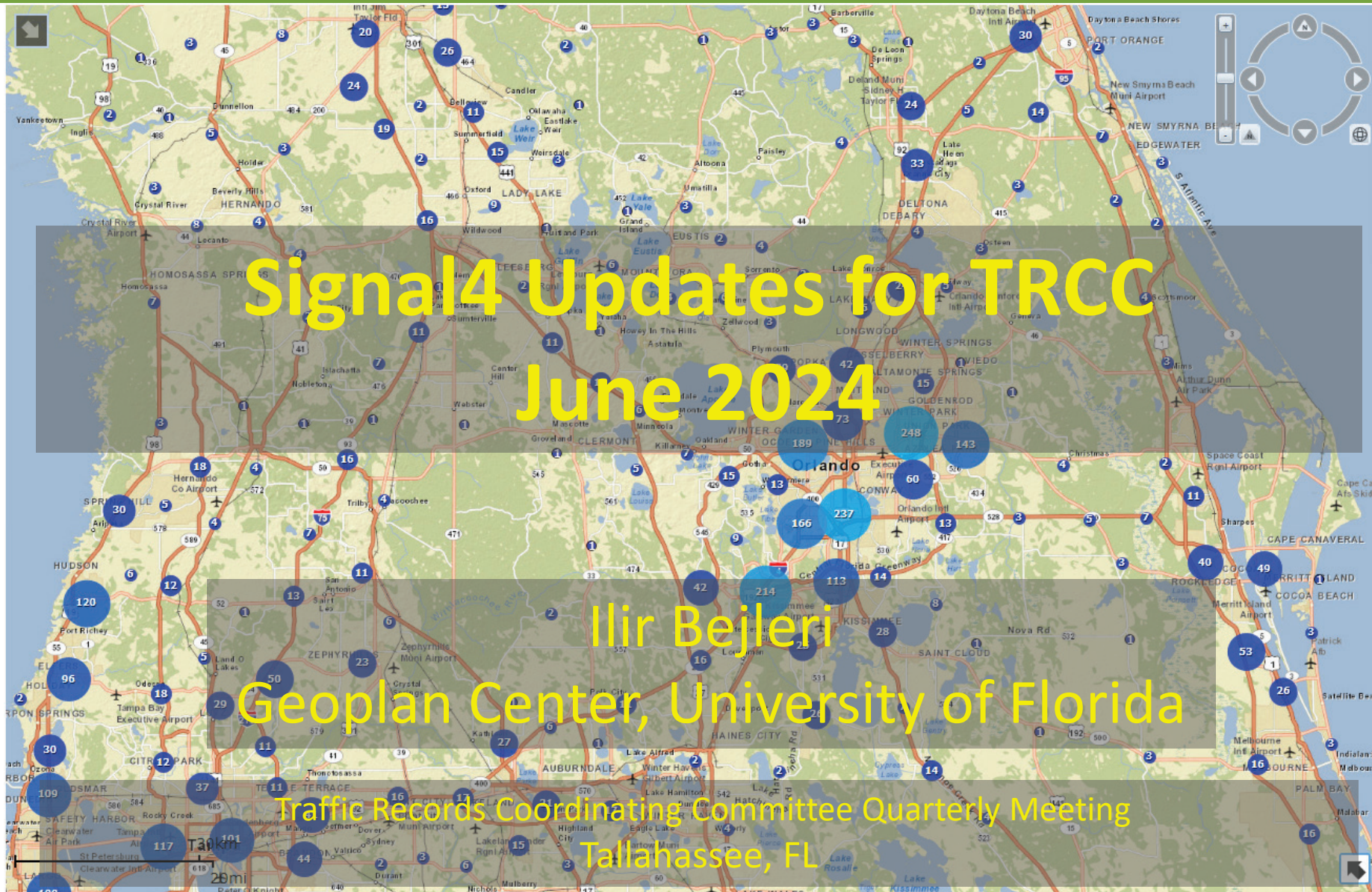
FLORIDA STATE
UNIVERSITY

**Thank you for your
continued support!**



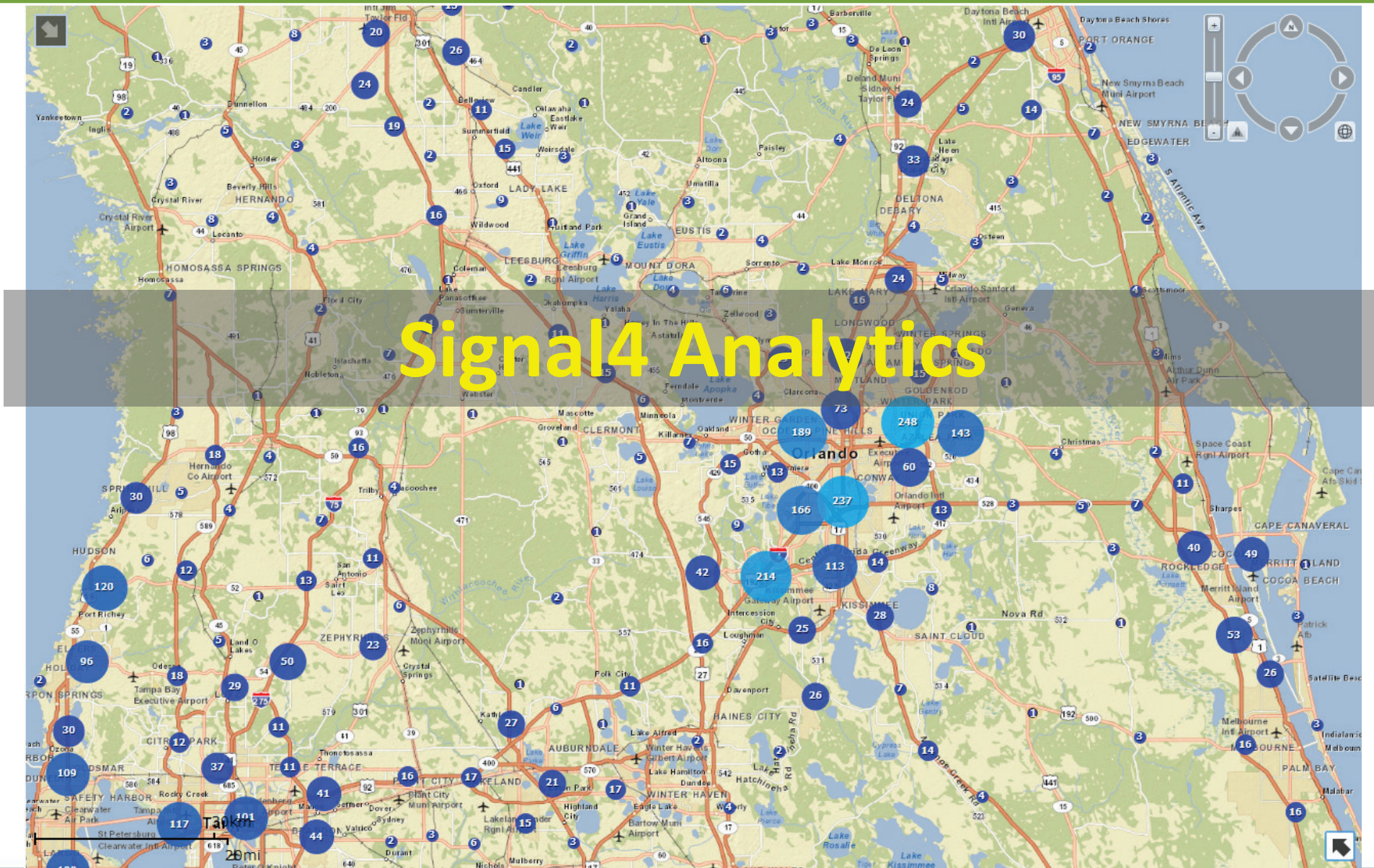
EXPANDING ACCESSIBILITY, UTILIZATION, AND DATA INTEGRATION OF SIGNAL FOUR ANALYTICS

University of Florida

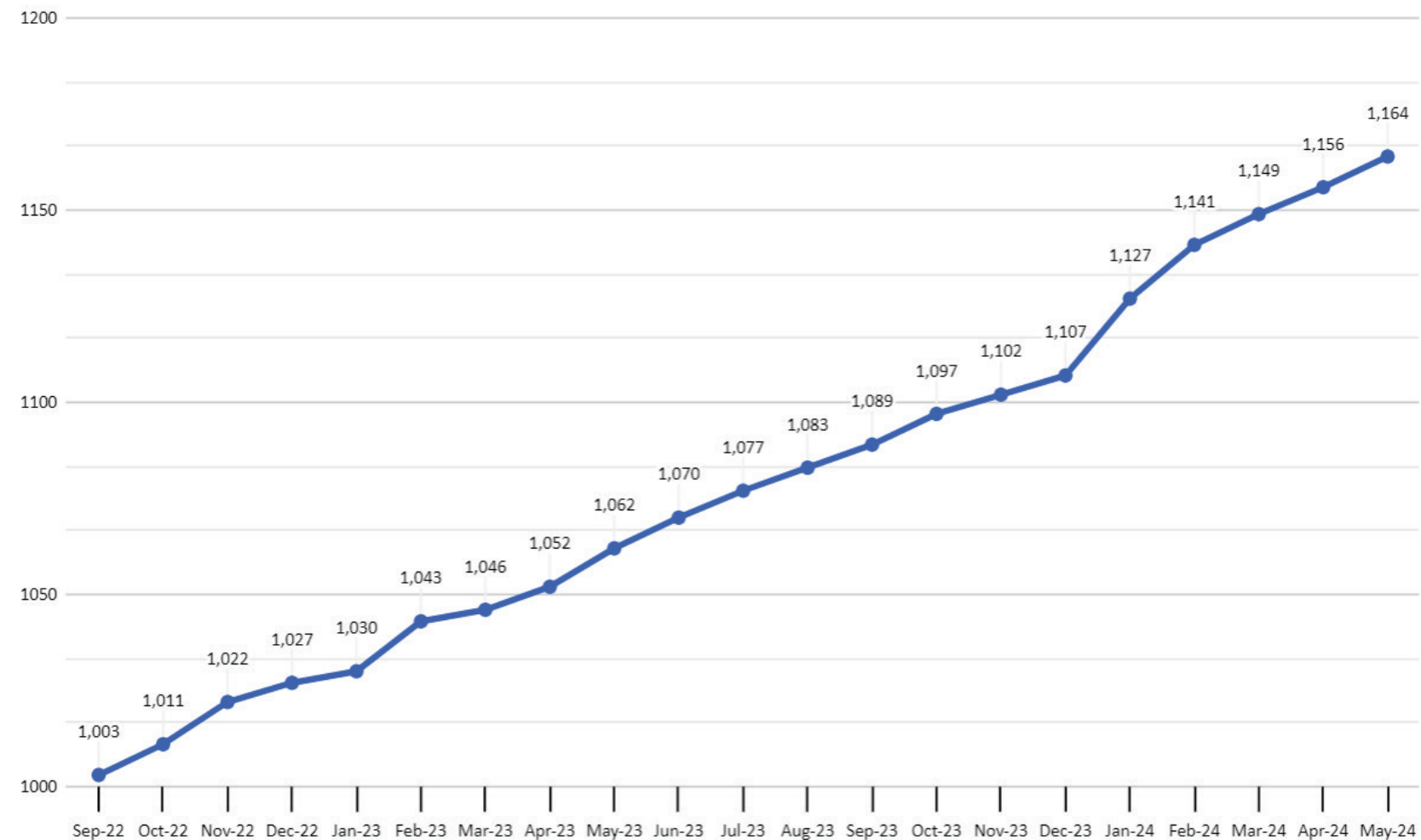


Two Projects

- **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)

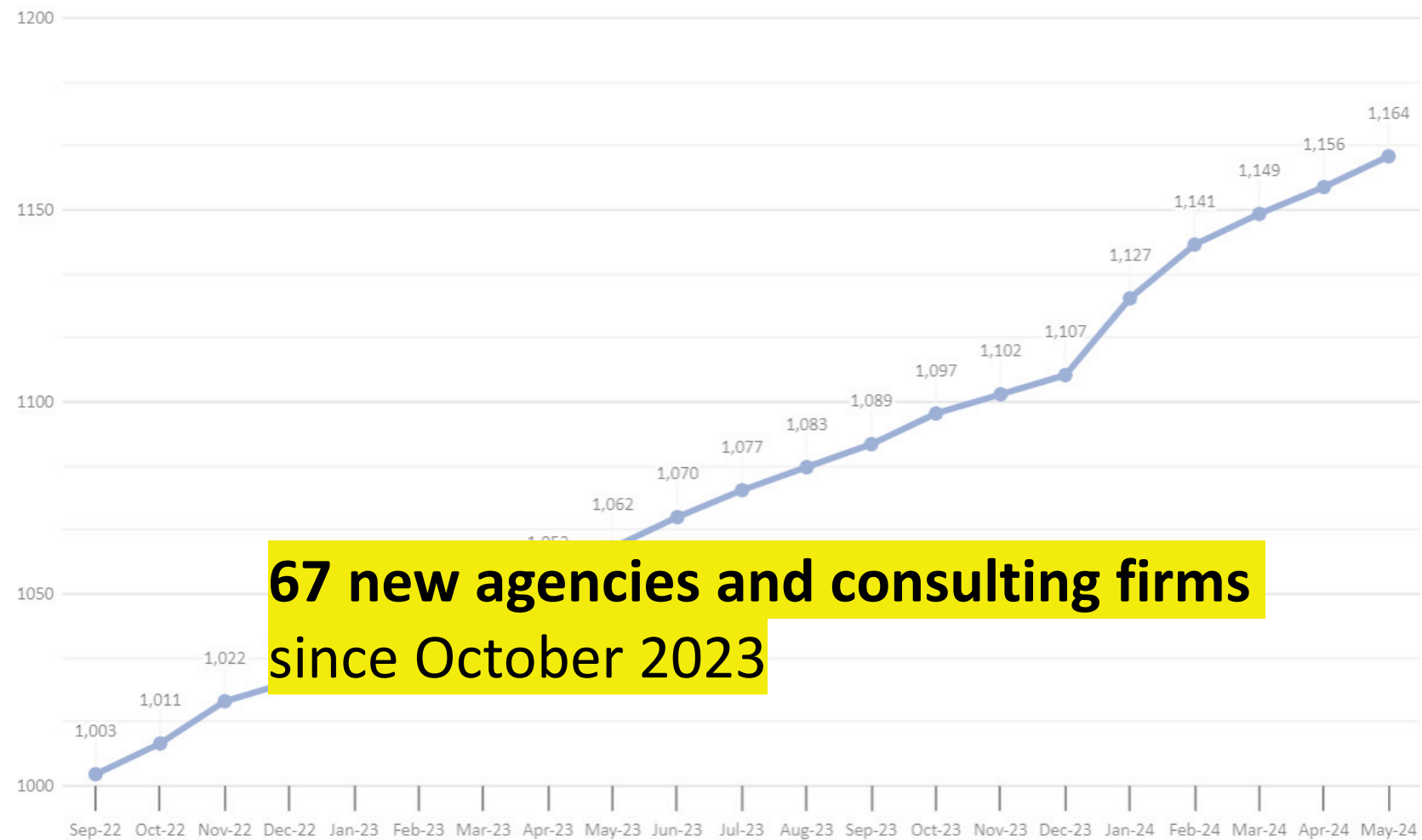


Number of Agencies & Consulting Firms



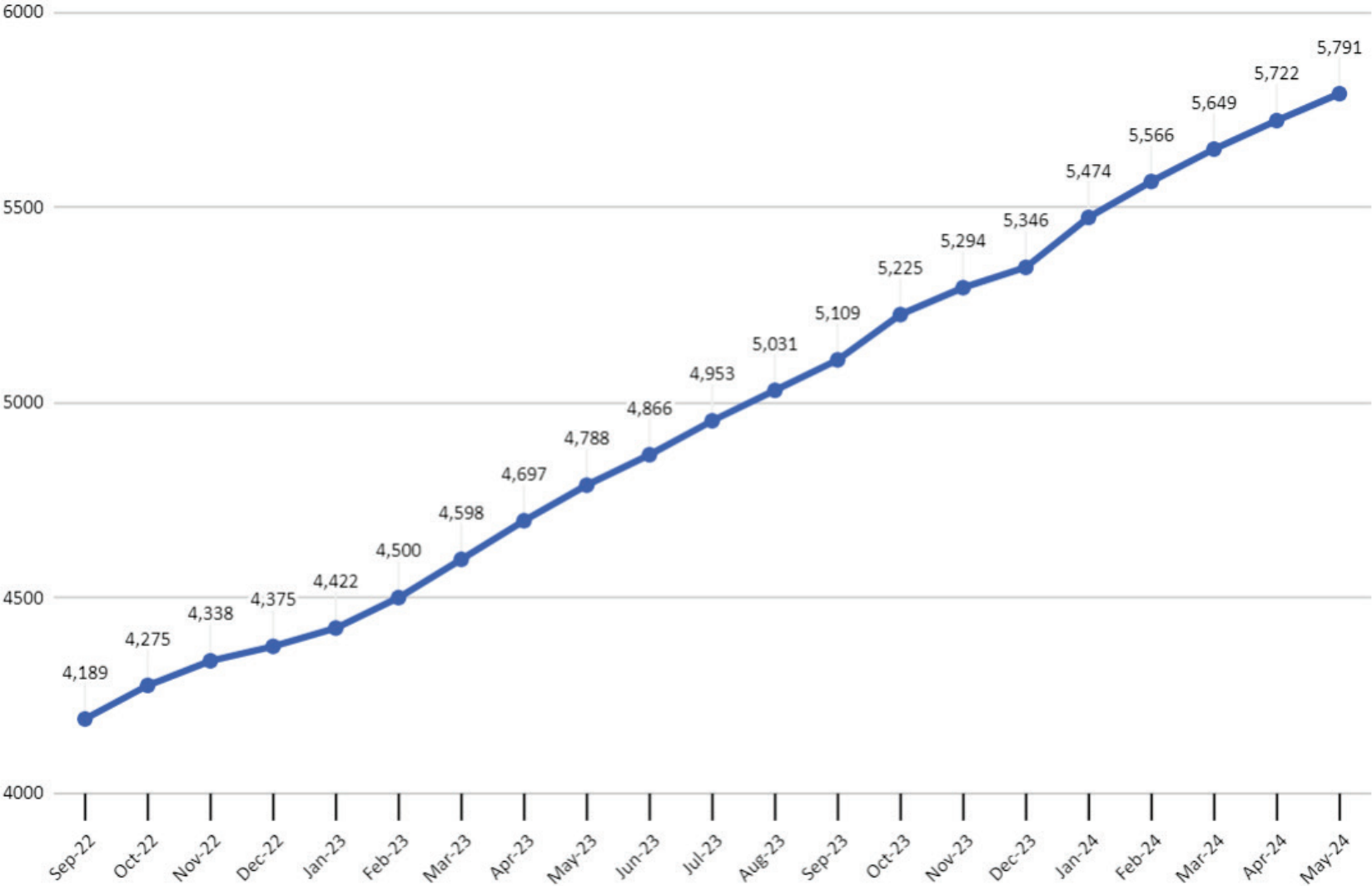
As of 6/13/24

Number of Agencies & Consulting Firms



As of 6/13/24

Number of Users



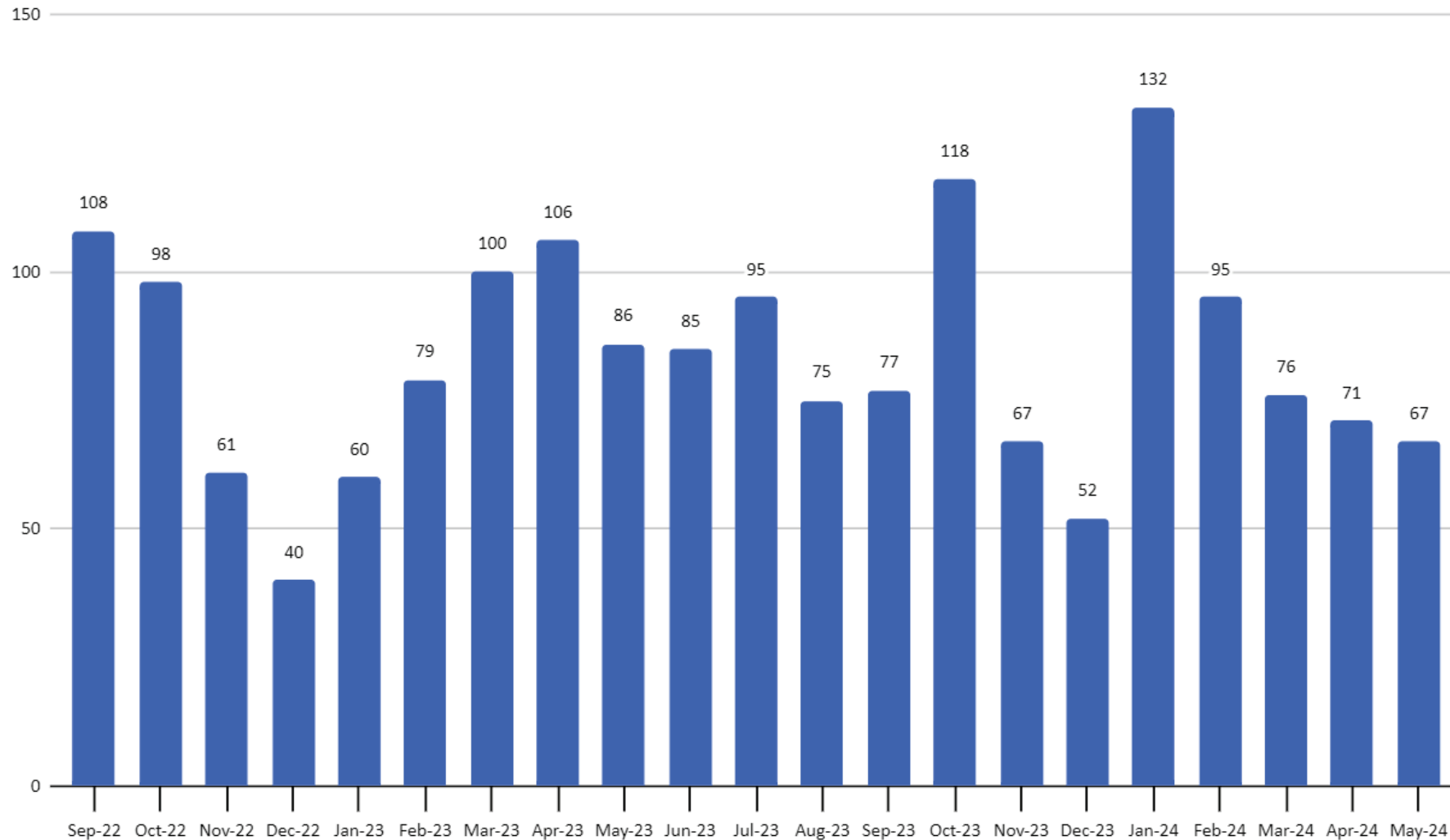
As of 6/13/24

Number of Users

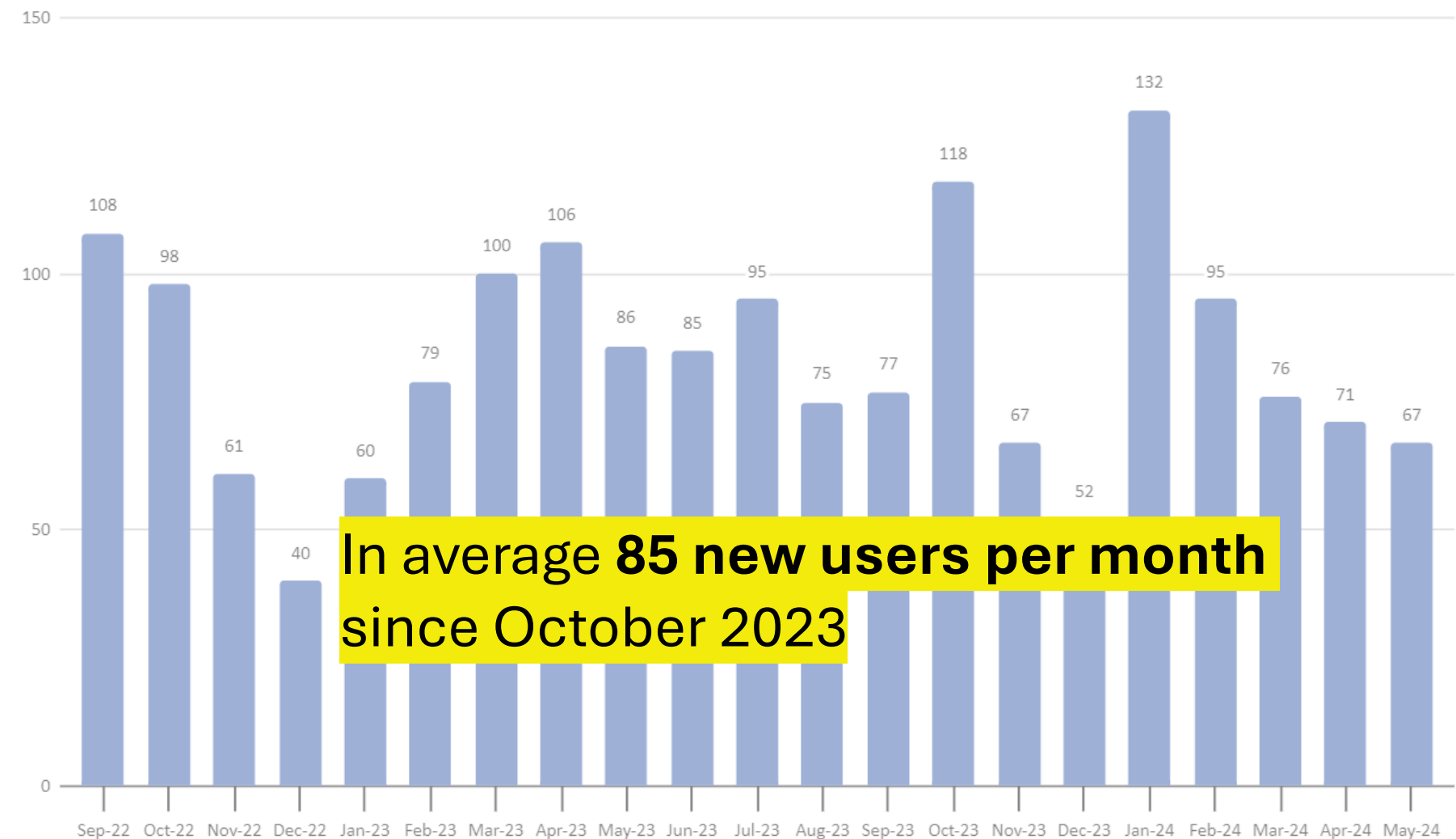


As of 6/13/24

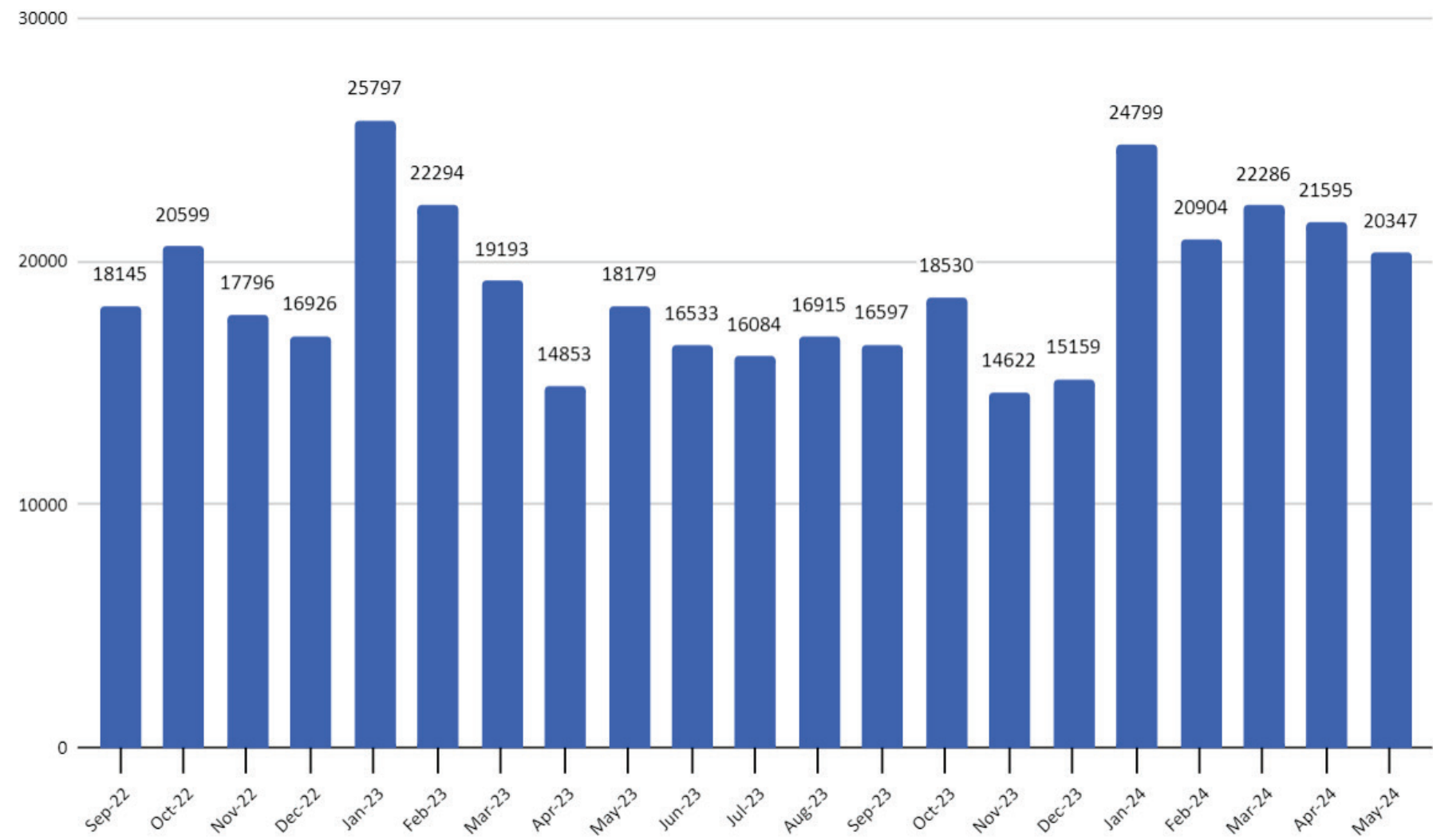
New Users by Month



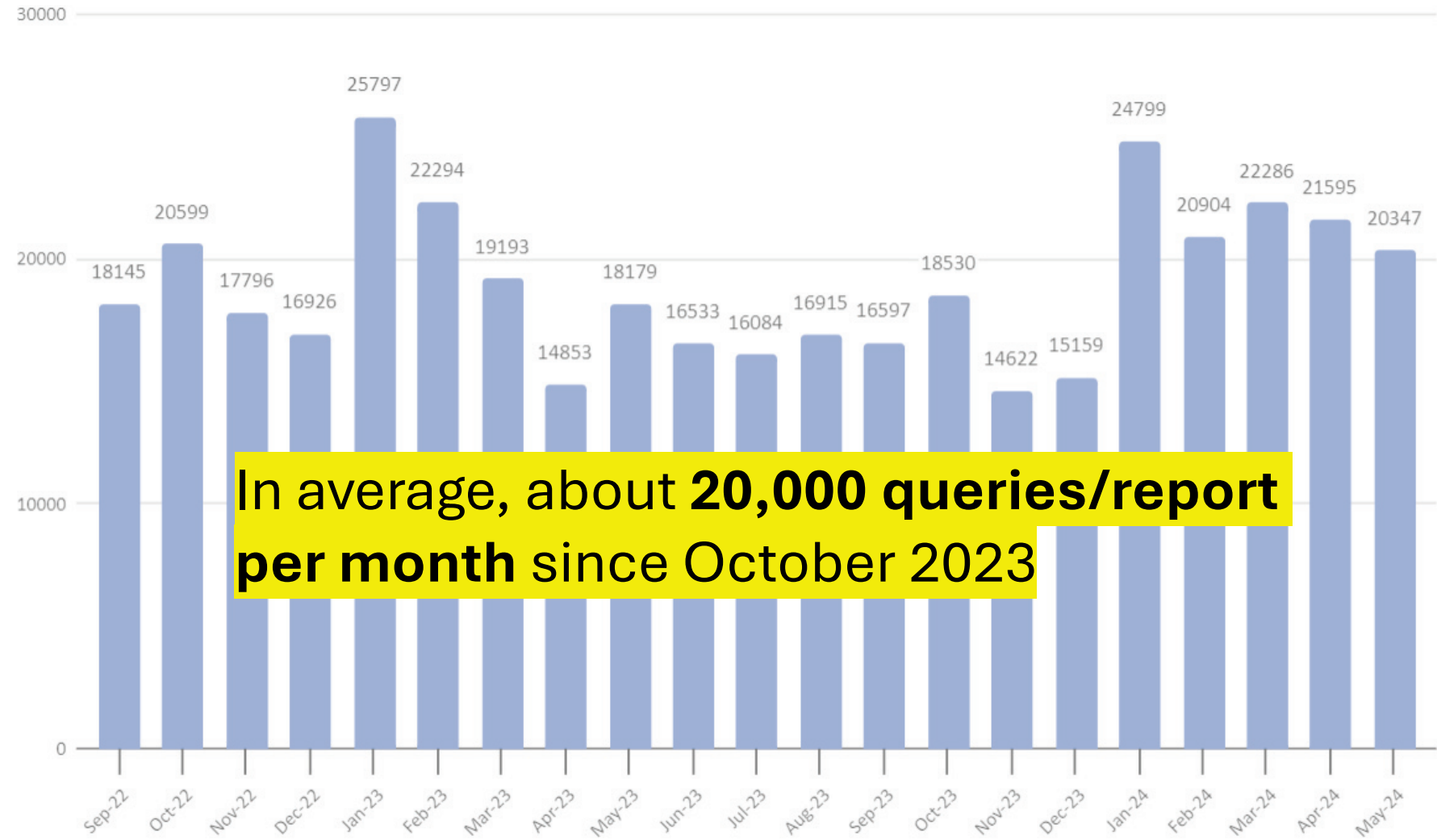
New Users by Month



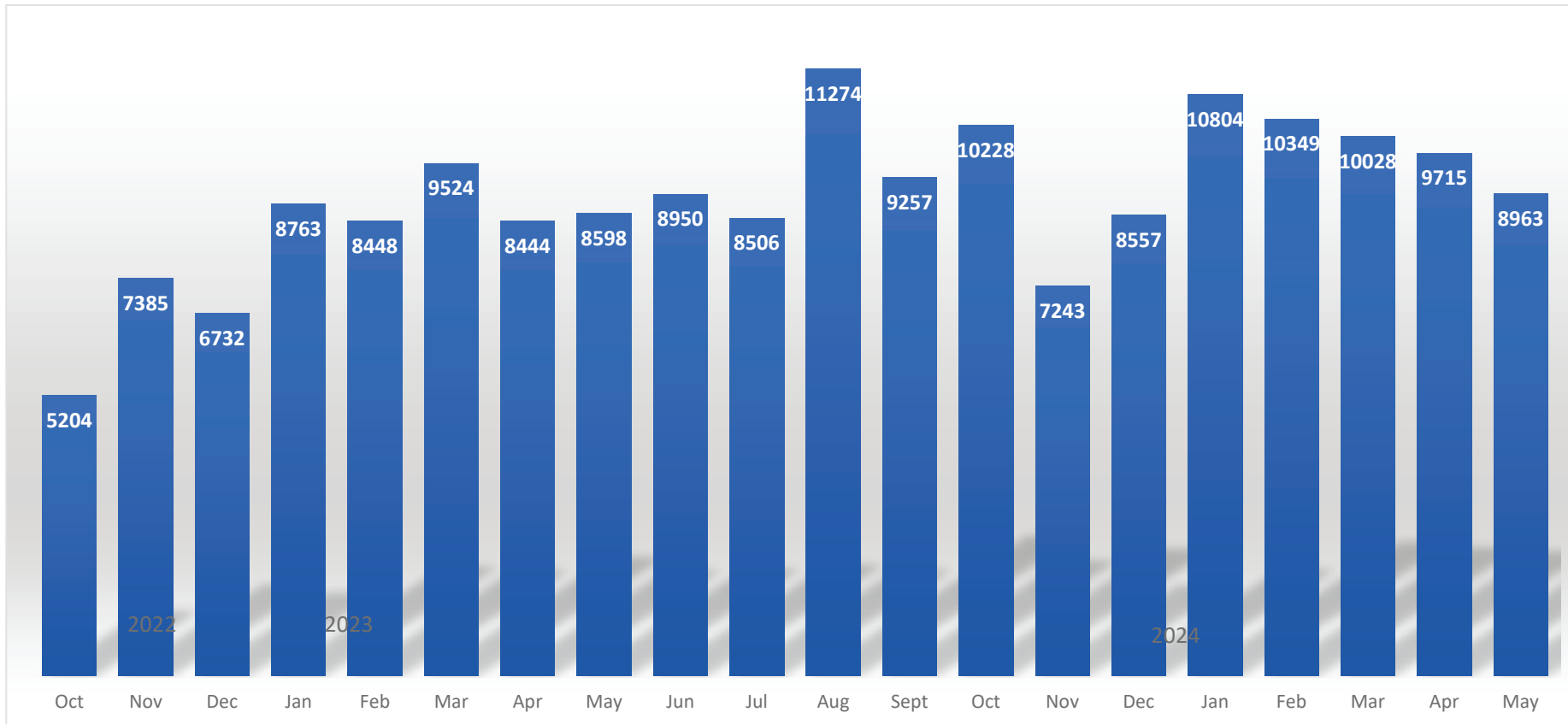
Number of Queries/Reports



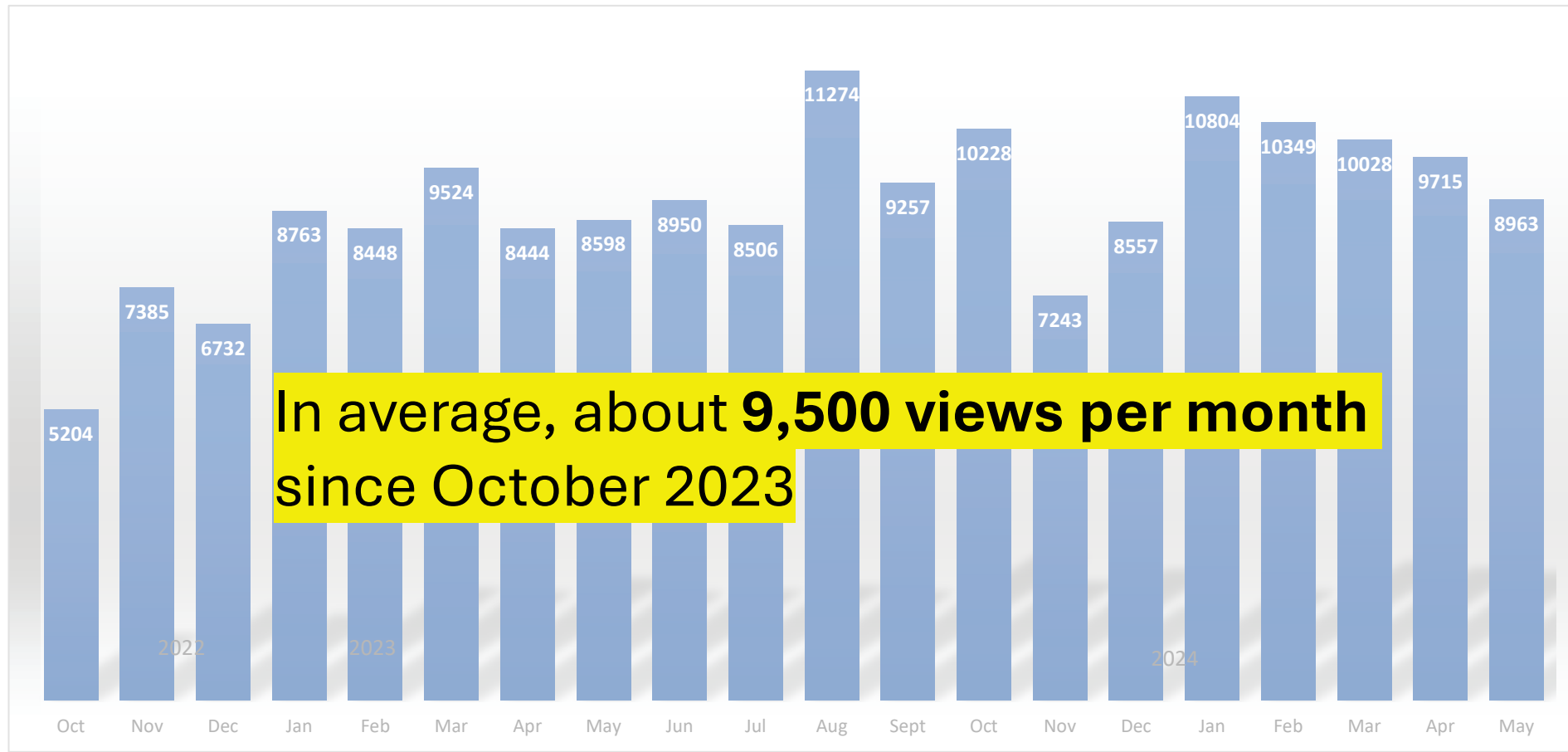
Number of Queries/Reports



Public Dashboard Pageviews



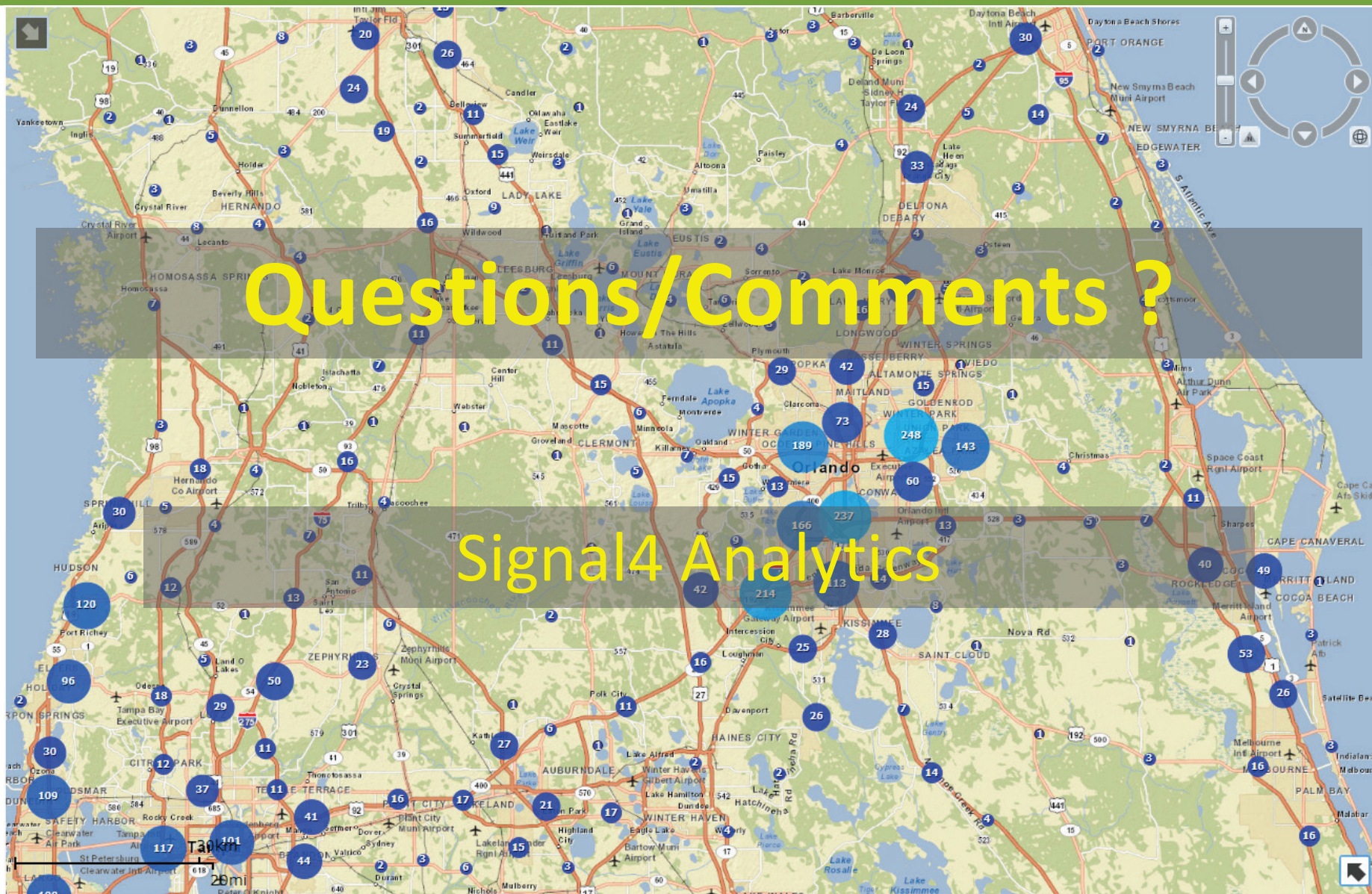
Public Dashboard Pageviews



Recent and Ongoing Activities

- Updated Target Zero filters to disaggregate the compound filters
- Added dynamic charts
- Include citations in the Event Analysis
- Other: saved queries, custom areas

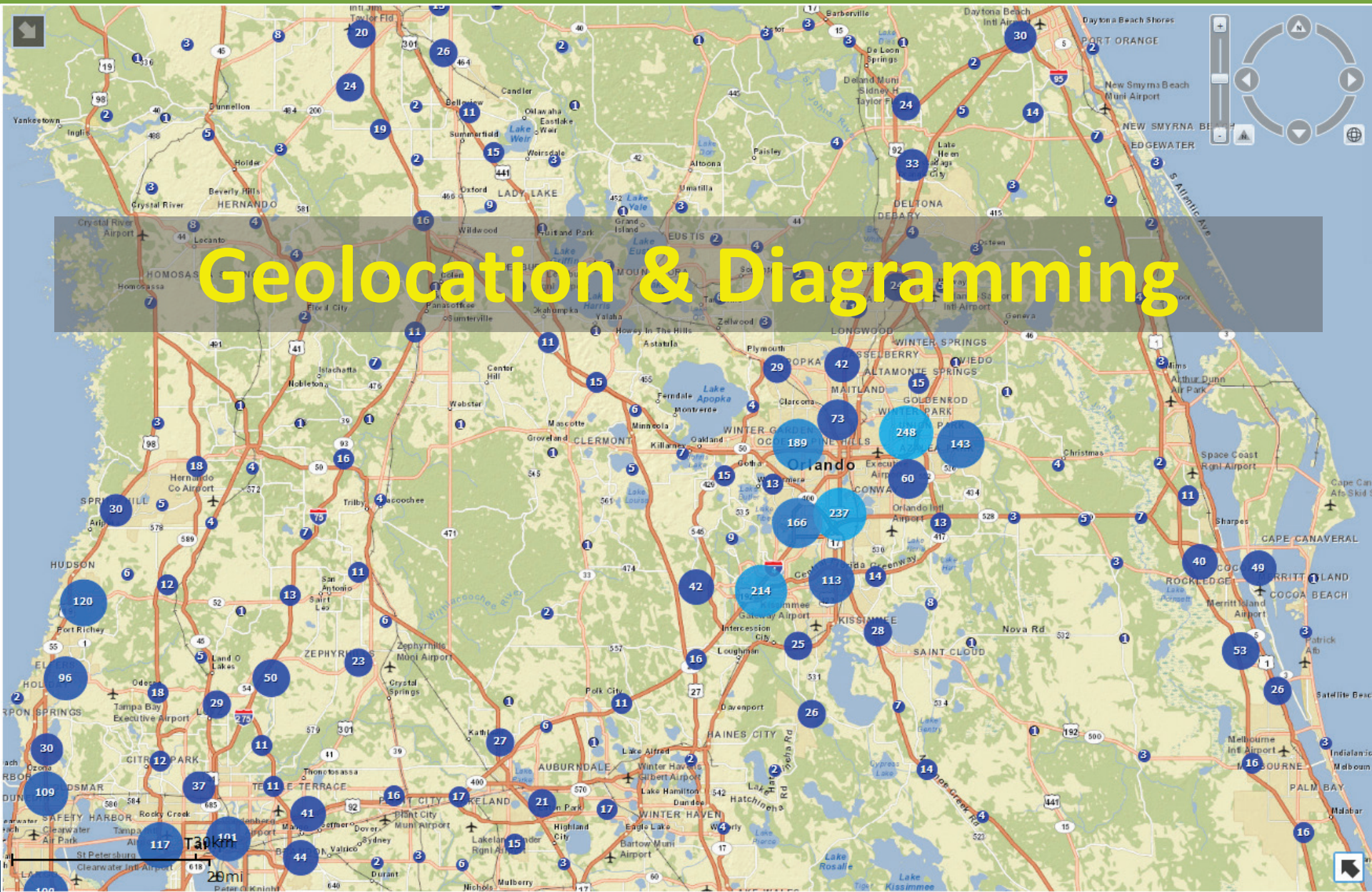
Brief demonstration





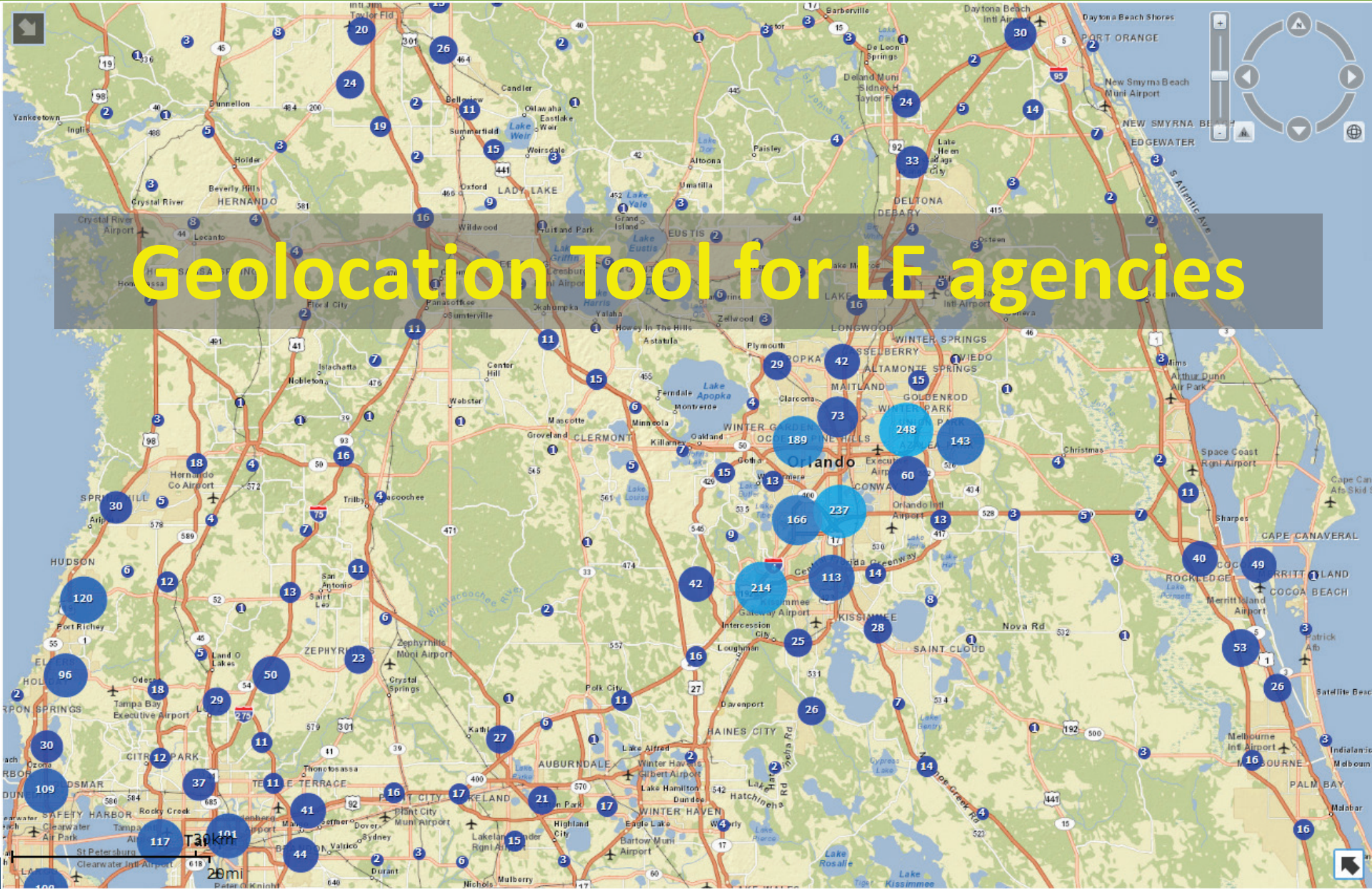
GEOLOCATION & CRASH DIAGRAMMING TO IMPROVE CRASH DATA LOCATION TIMELINESS AND QUALITY

University of Florida



Three Tools

- a) Geolocation Tool for LE agencies
- b) DOT Geolocation Tool (for FDOT & local governments)
- c) Crash Report Diagramming





Purpose

- Improve all six **crash location** data quality attributes:
 - timeliness,
 - accuracy,
 - completeness,
 - uniformity,
 - integration,
 - accessibility



Method

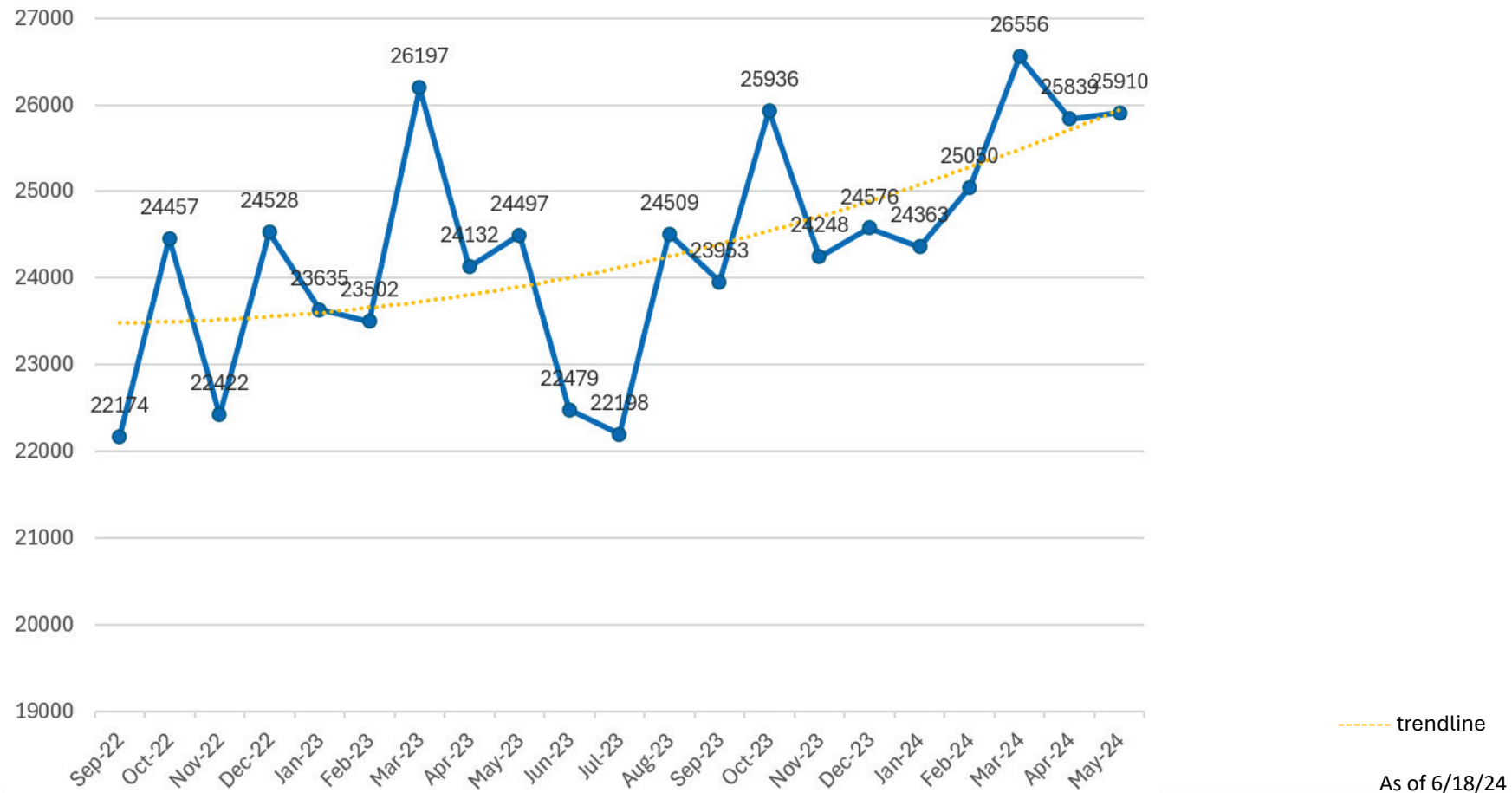
- Using Signal4 Geolocation tool
 - Vendor independent
 - Location recorded using one unified streets basemap (DOT Safety Office unified basemap)
 - Consistent location information across LE agencies

Geolocation Mandated Agencies

- **TraCS**
 - **100%** of agencies that report crashes (201 of 201)
 - **12%** of agencies that write citations (21 of 176)
- **SmartCOP**
 - Jacksonville SO for crashes

Geolocation Tool Usage

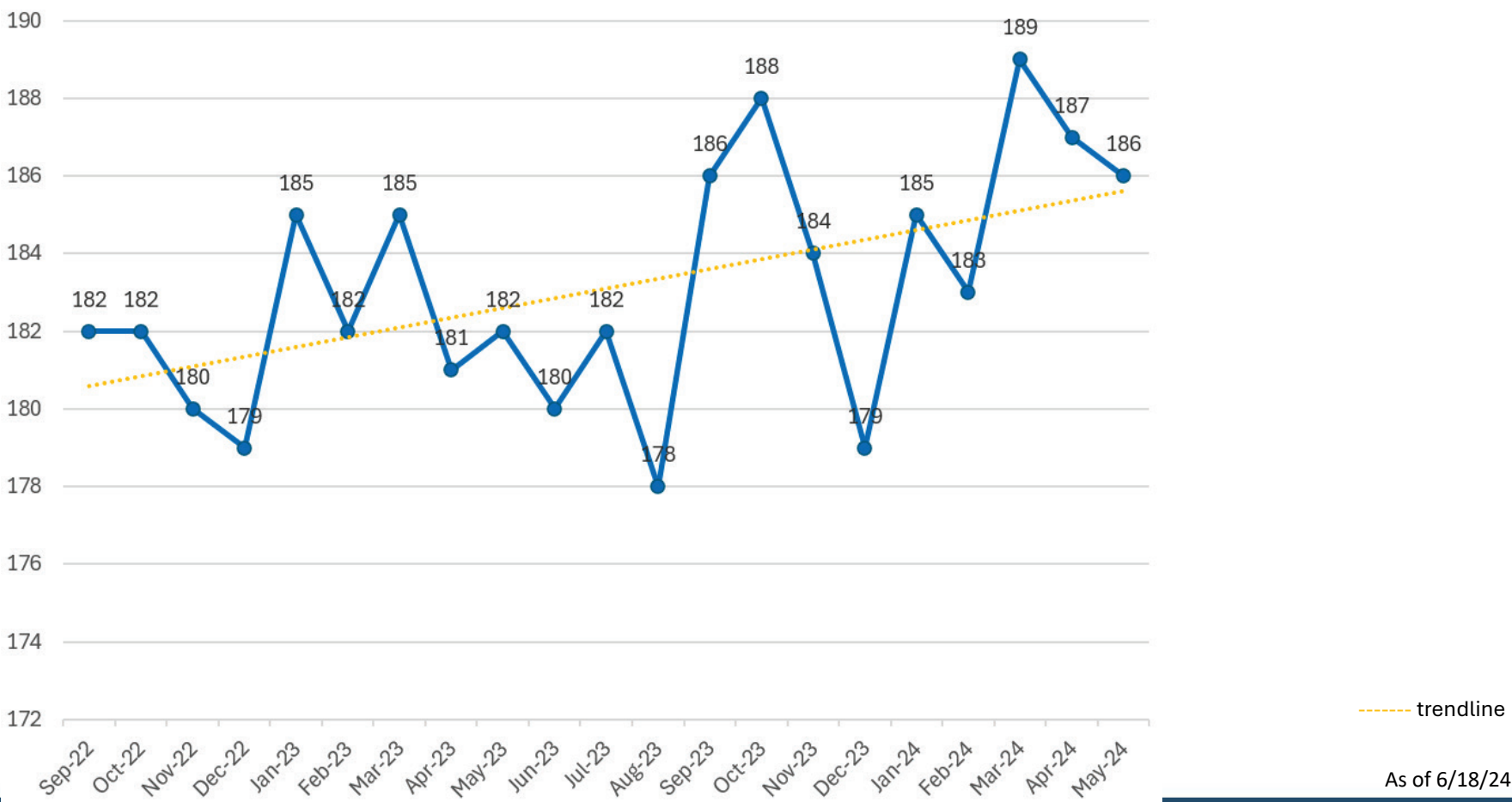
Number of crash reports that have used the Geolocation tool to map crashes



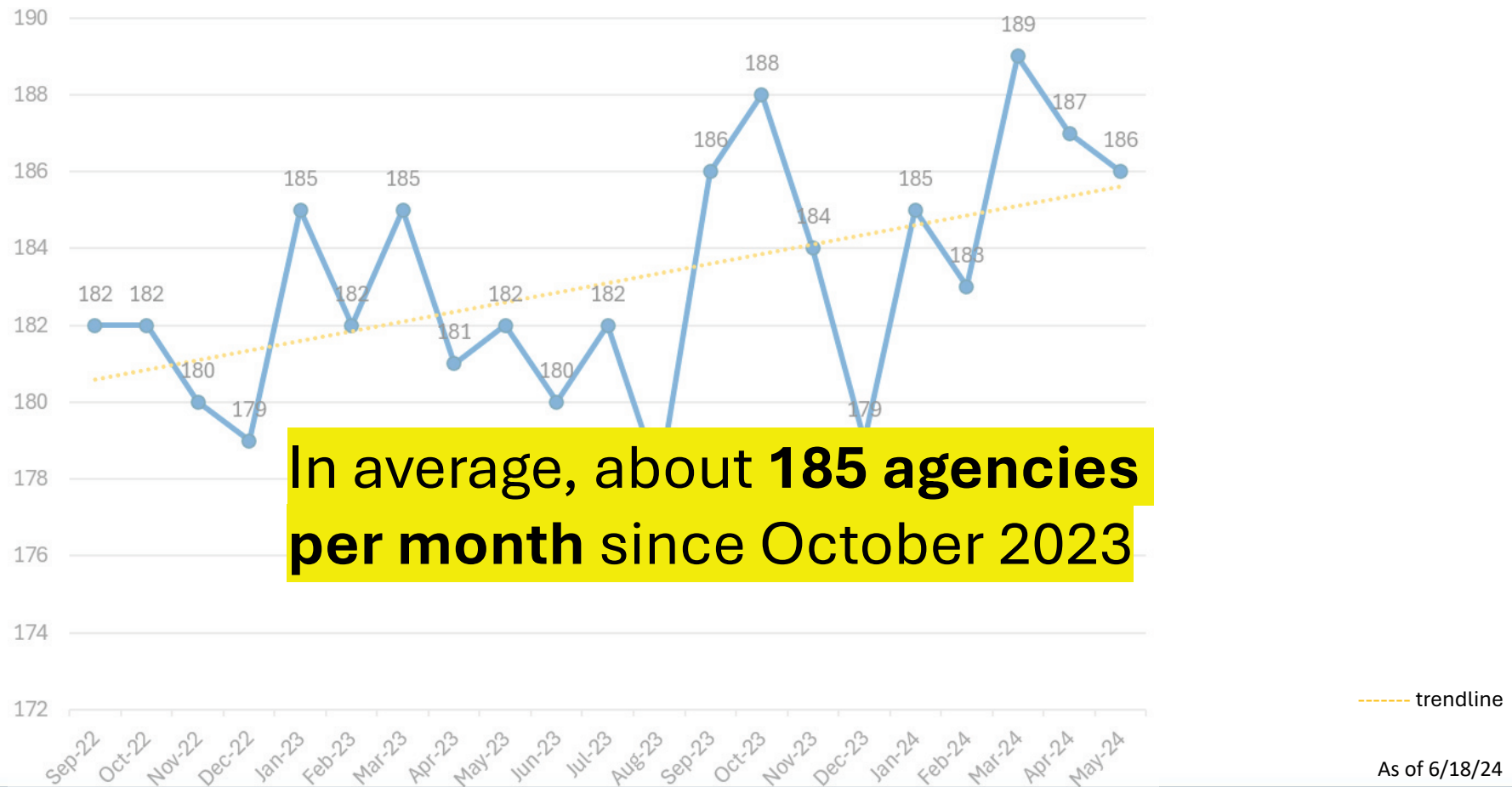
Number of crash reports that have used the Geolocation tool to map crashes



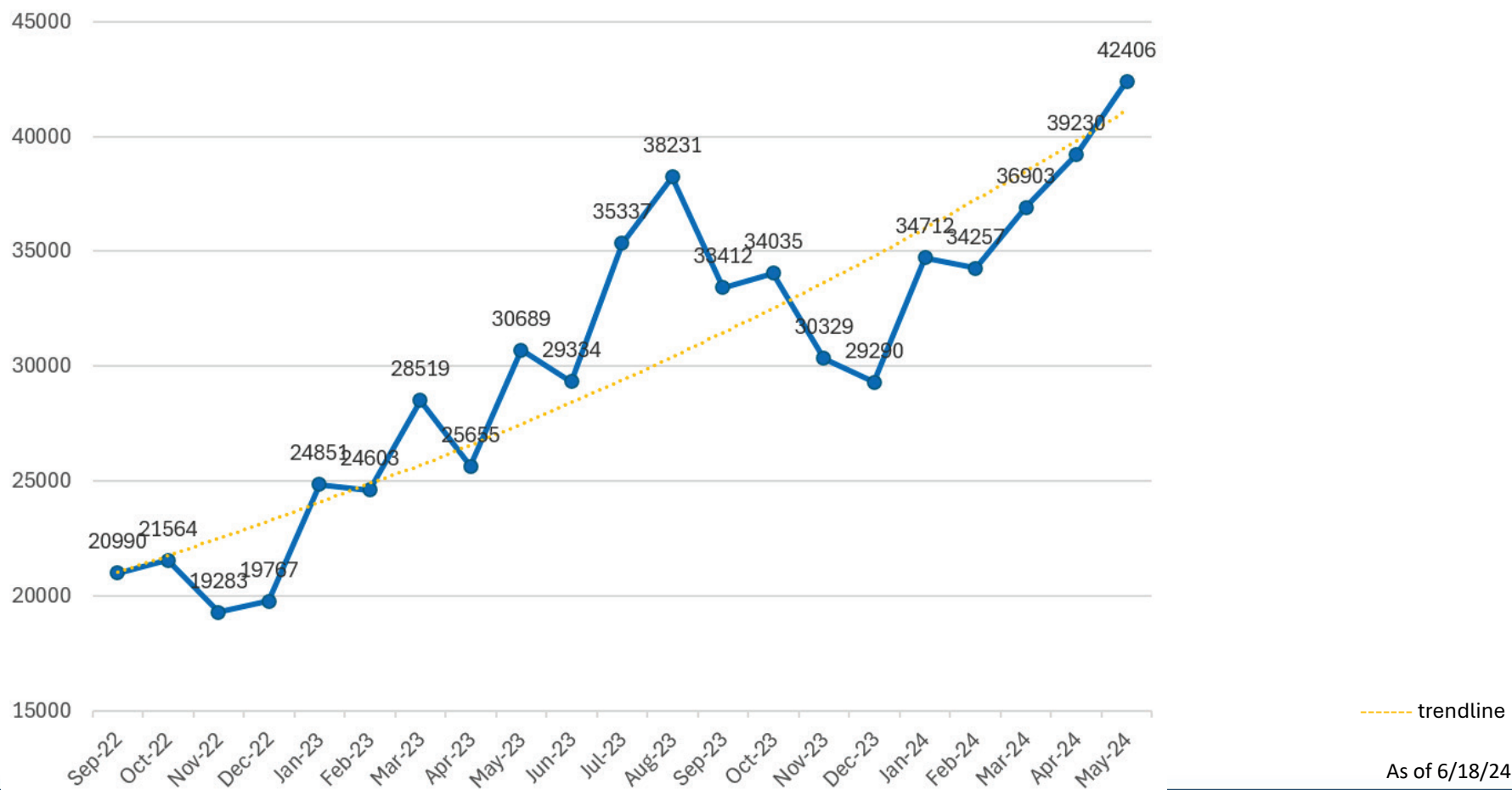
Number of agencies that have used the Geolocation tool to map crashes



Number of **agencies** that have used the Geolocation tool to **map crashes**

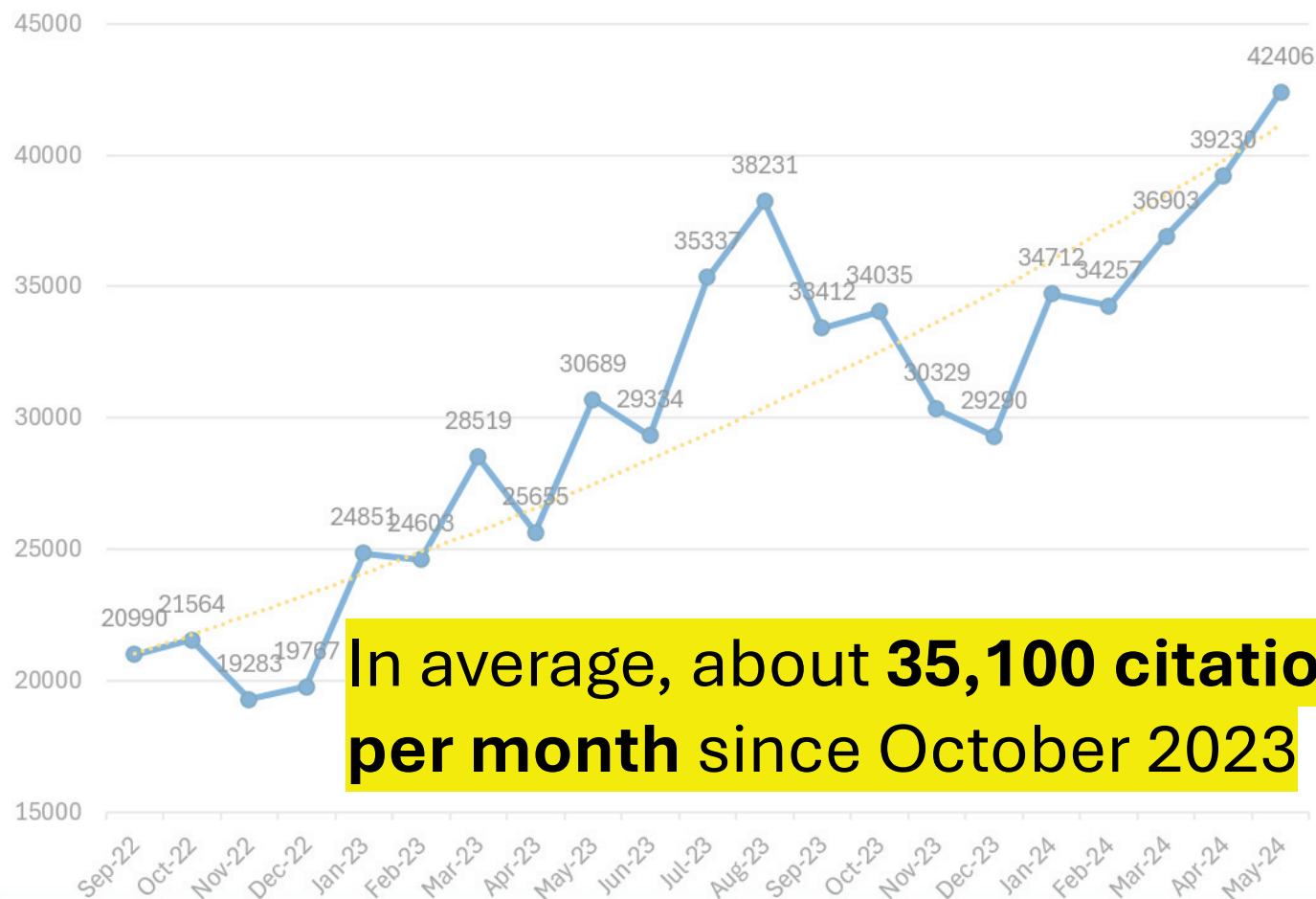


Number of citations that have used the Geolocation tool to map citations





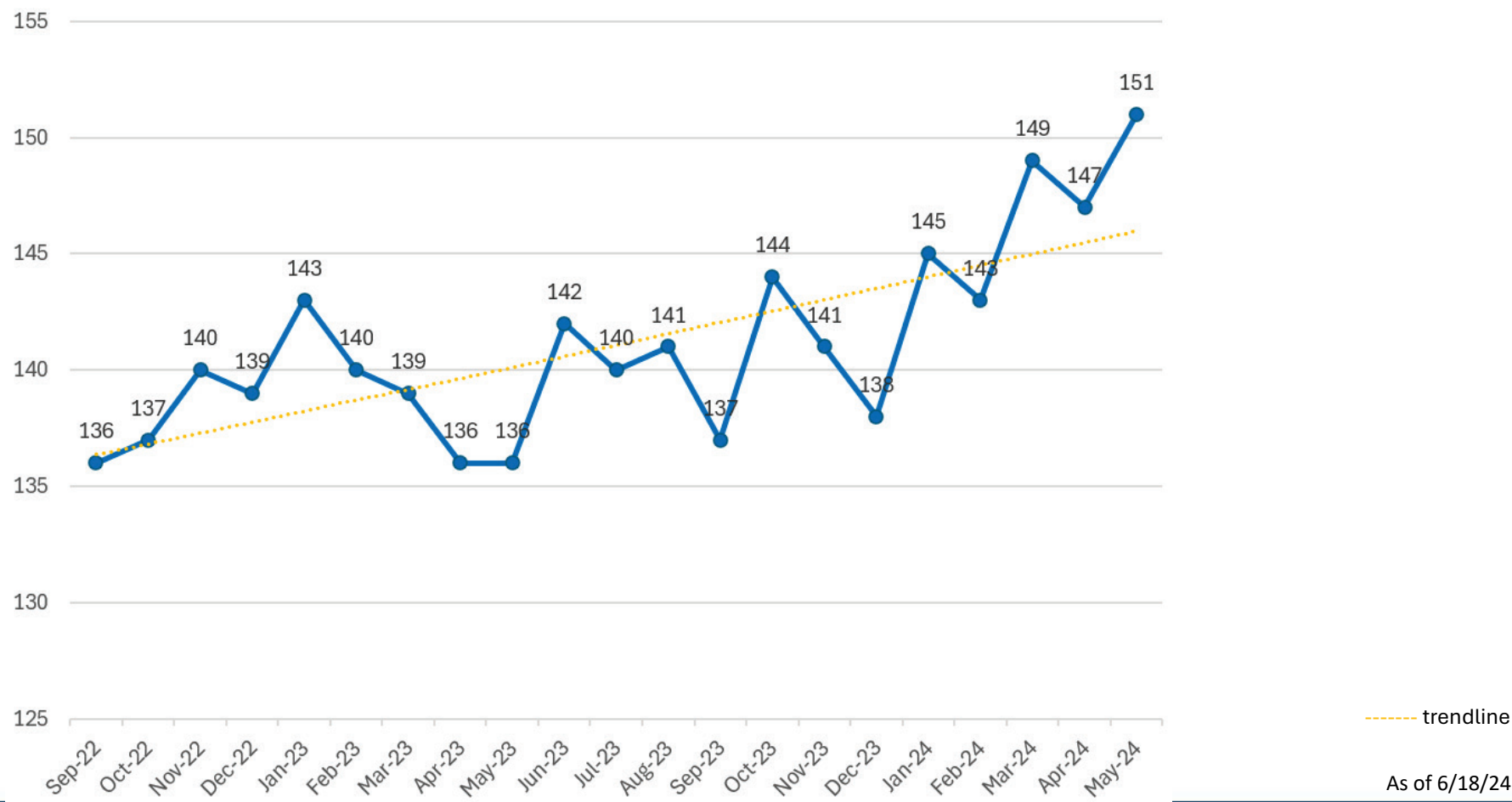
Number of citations that have used the Geolocation tool to map citations



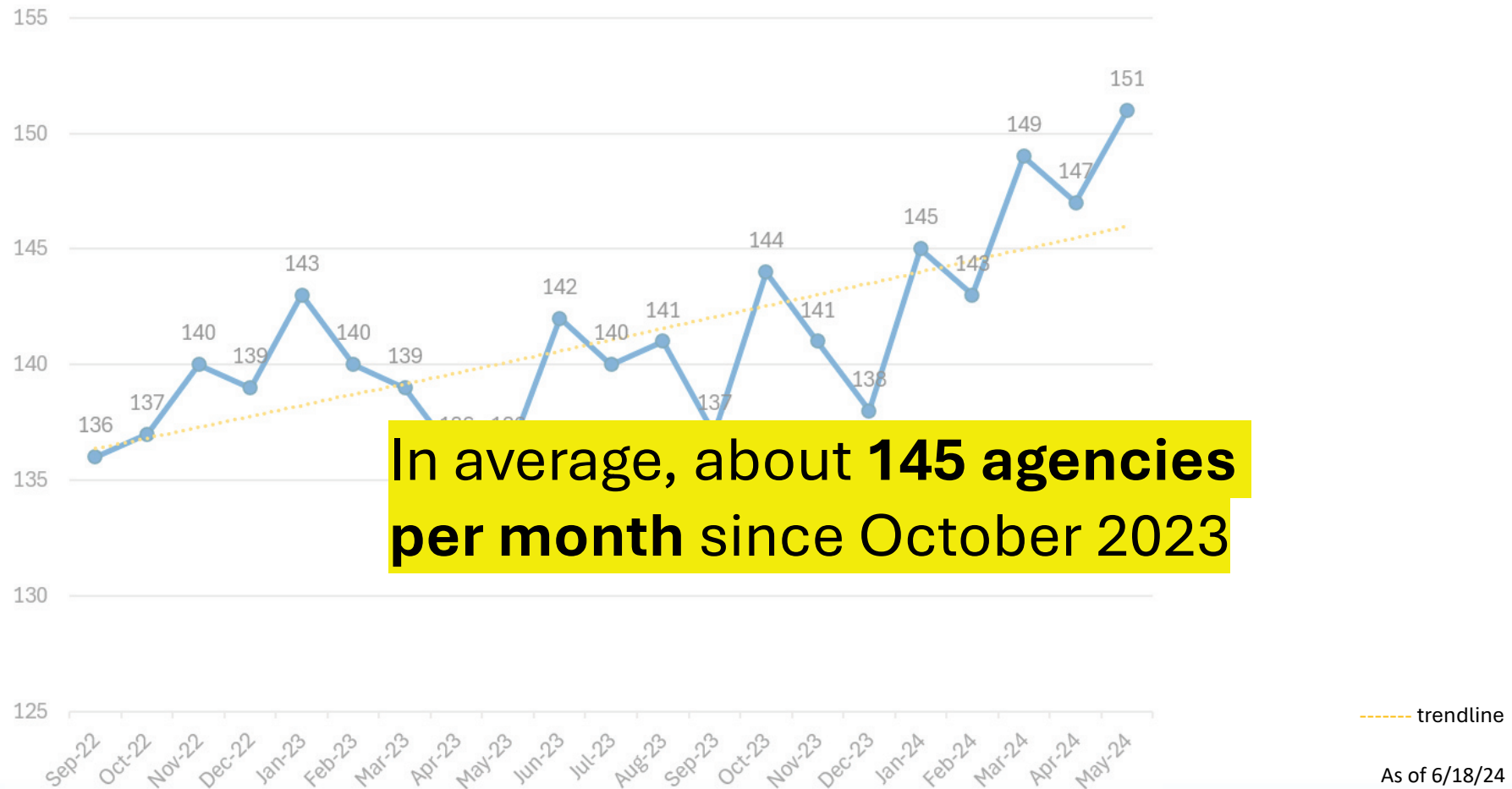
----- trendline

As of 6/18/24

Number of agencies that have used the Geolocation tool to map citations



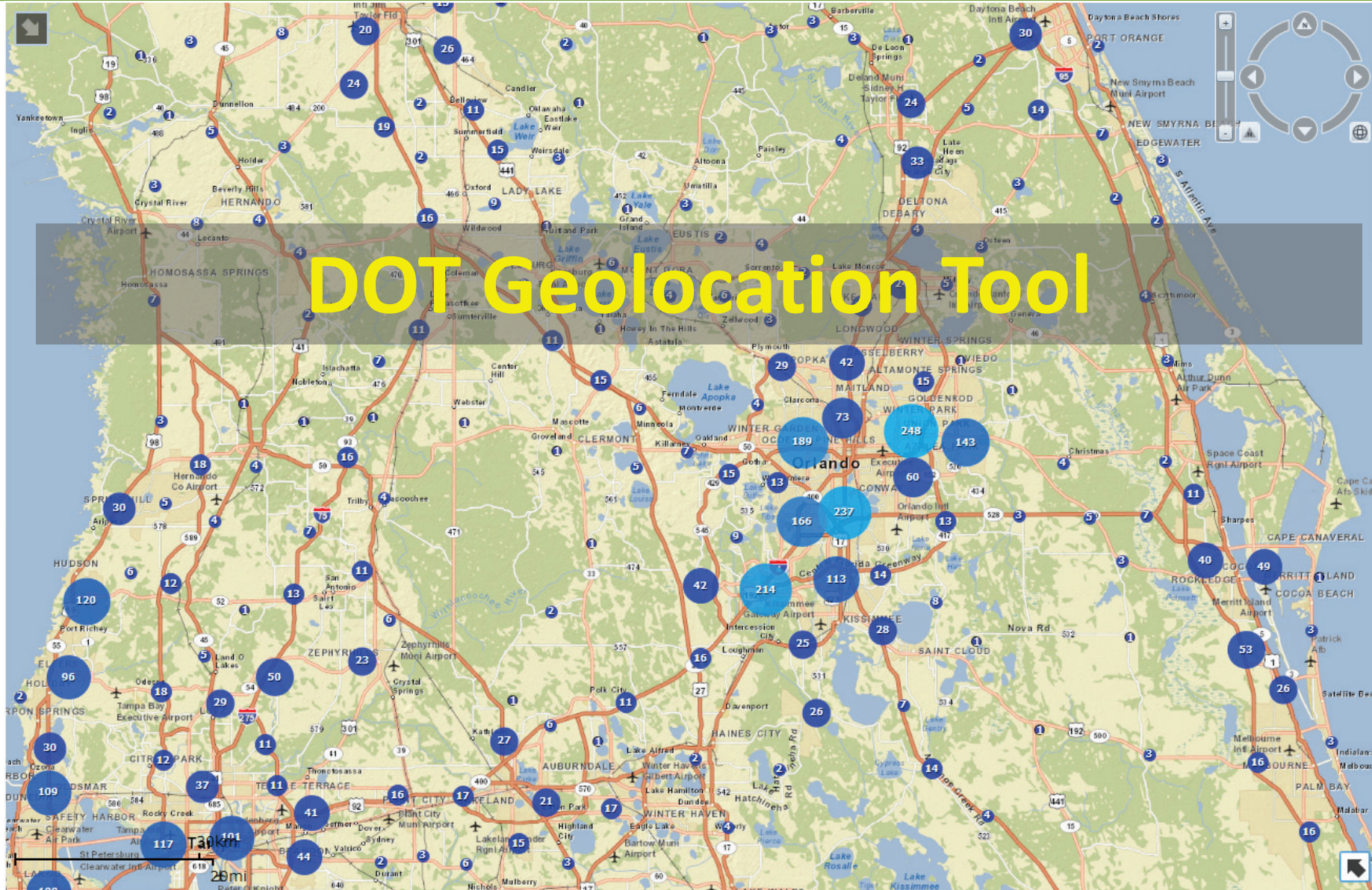
Number of agencies that have used the Geolocation tool to map citations



Geolocation Tool Status Update

- SmartCOP has completed implementation of version 3.0 upgrade. Goes in production for Jax SO in August.
- Ready and available to all SmartCOP agencies interested to use it
- Continuing efforts to reach to more agencies

SIGNAL FOUR FDOT GEOLOCATION



Purpose

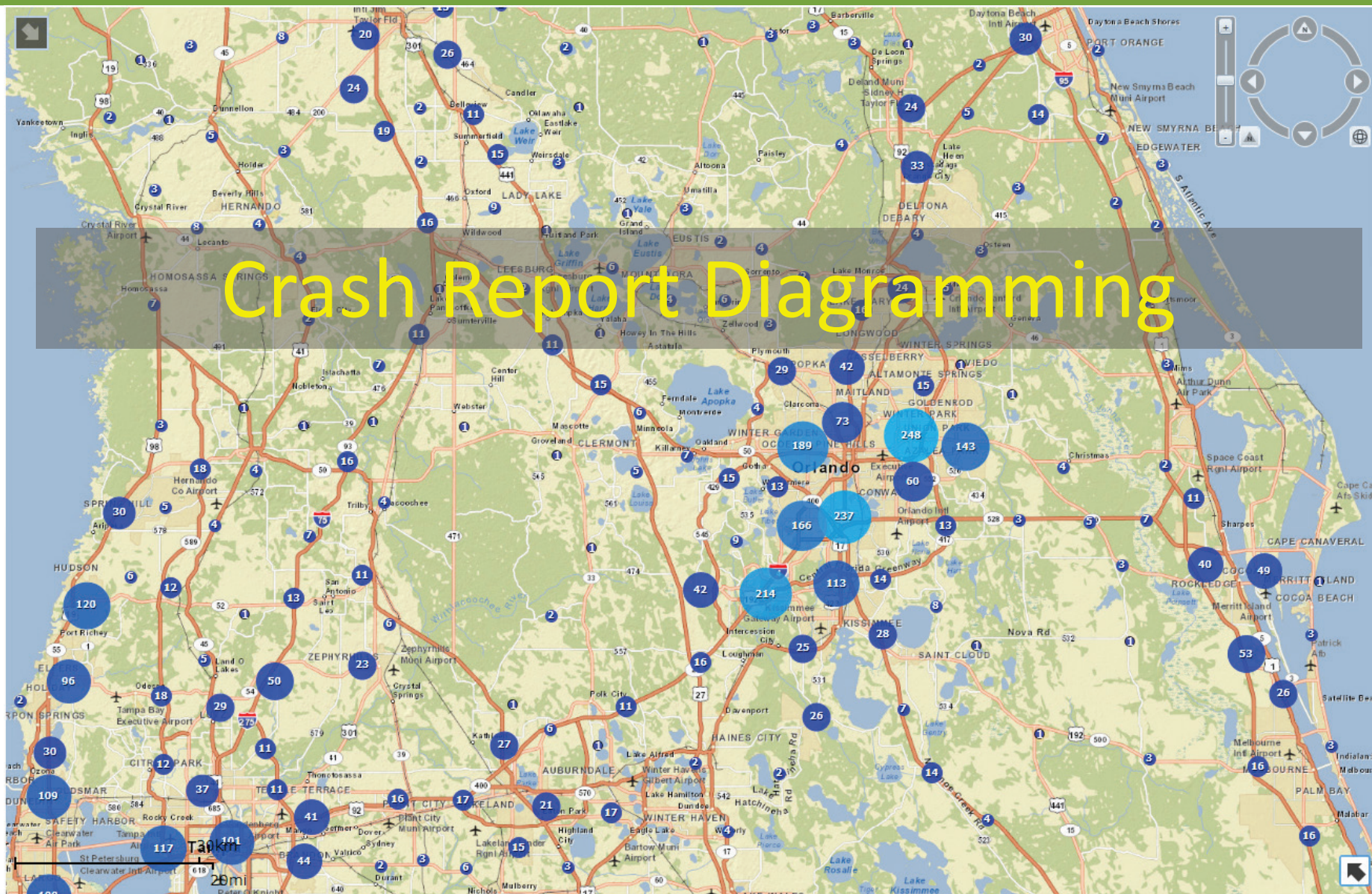
Provide a consistent geolocation process across FDOT, Signal4 and LE agencies to achieve **one consistent statewide geolocation process**

Recent Activities:

- Improvements to track DOT editors' productivity
- Developing requirements to expand bike/ped crash typing to version 3.0 (PBCAT 3.0)
- Include ability to overlay crash report diagrams on the basemap



SIGNAL FOUR 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



Diagram Usage Stats

- About **173,000** TraCS crash reports have used the Signal4 Diagram since October 2022
- **154** TraCS agencies are currently using the Signal4 Diagram (153 of 201 or **76%**)



Signal4 Diagram TraCS Top 20 Agencies

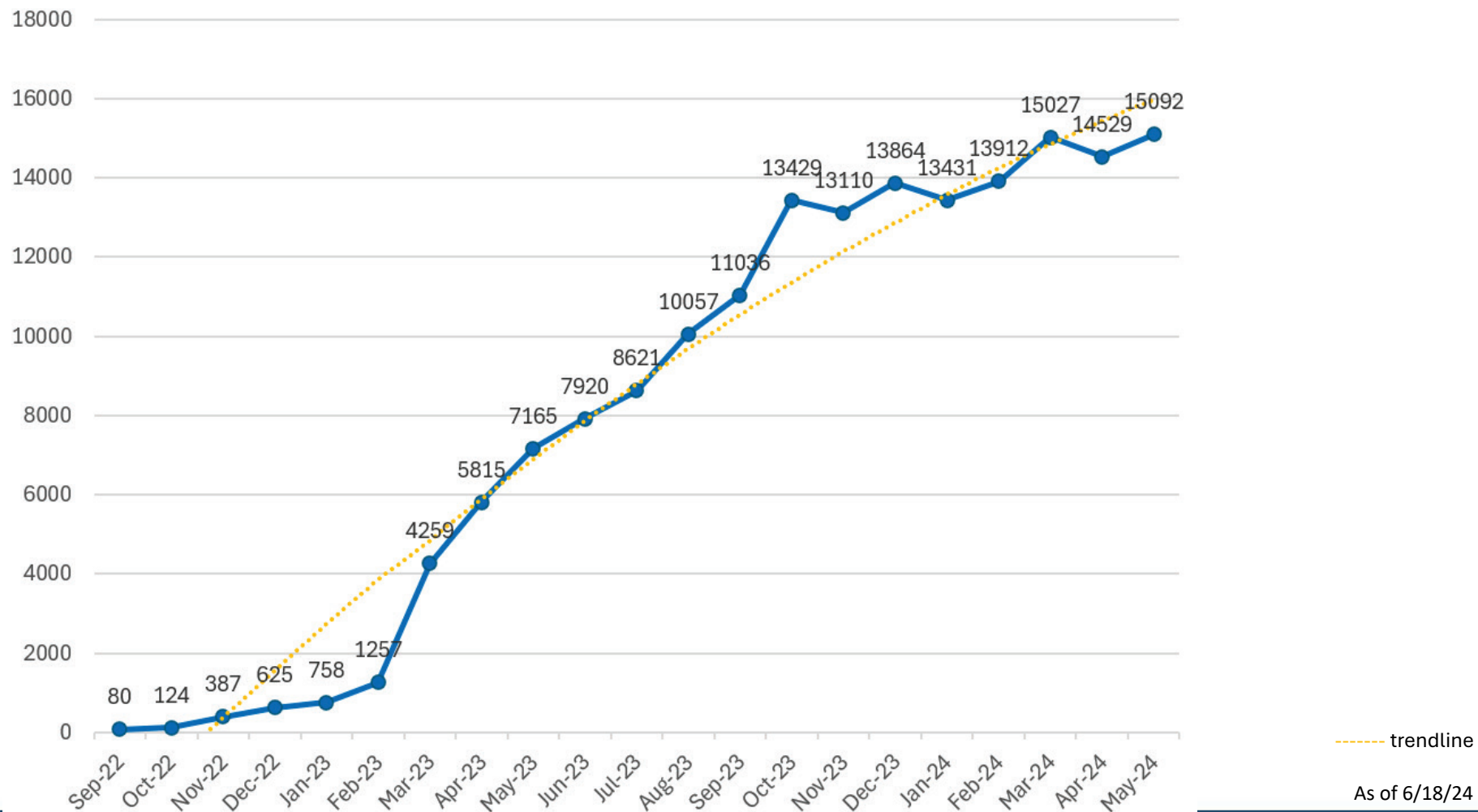
Agency	Report Count
Miami Police Department	16069
Hialeah Police Department	7826
Palm Beach County Sheriff's Office	7624
Orlando Police Department	7061
Tampa Police Department	6502
Lee County Sheriff's Office	5378
Tallahassee Police Department	3552
Miami Gardens Police Department	3089
Sarasota County Sheriff's Office	2450
Seminole County Sheriff's Office	2411
Fort Myers Police Department	2252
Miramar Police Department	2044
Coral Gables Police Department	1933
North Miami Police Department	1834
Charlotte County Sheriff's Office	1639
Panama City Police Department	1588
Lakeland Police Department	1559
Martin County Sheriff's Office	1549
Daytona Beach Police Department	1503
Plantation Police Department	1161

Top 20 agencies using Signal4 Diagram since October 2023

As of 6/18/24

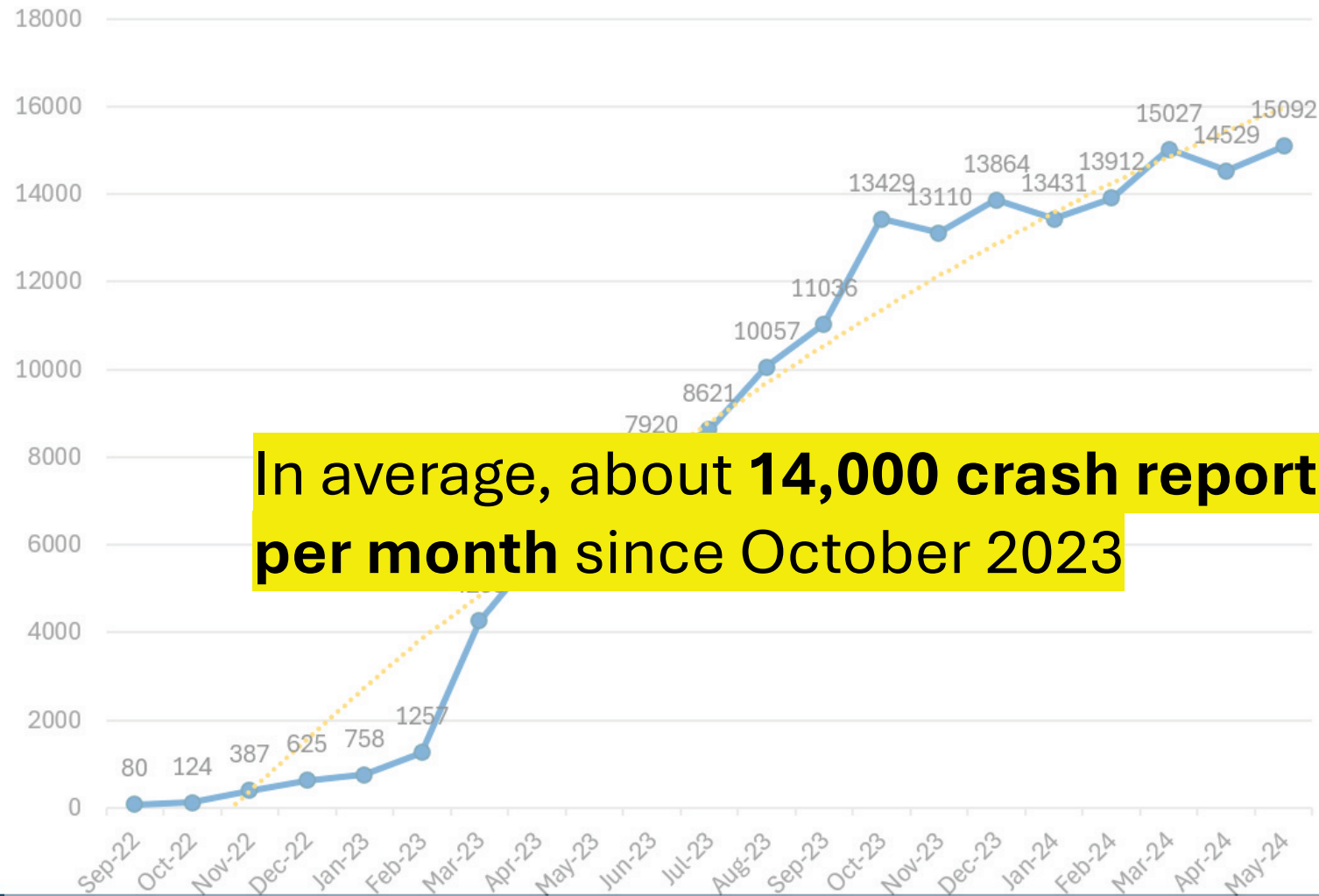


Number of crash reports that have used the Diagram tool



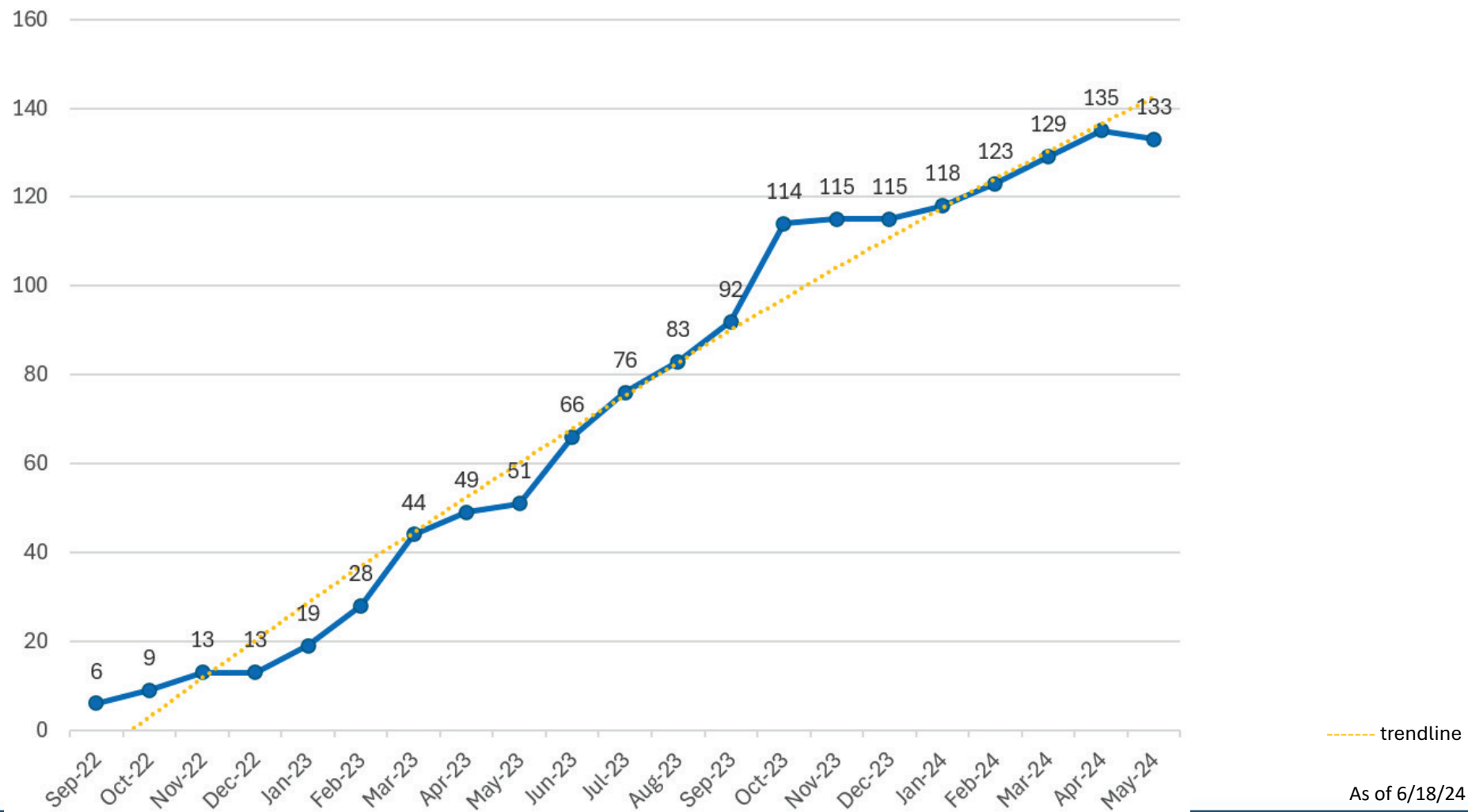


Number of crash reports that have used the Diagram tool





Number of agencies that have used the Diagram tool





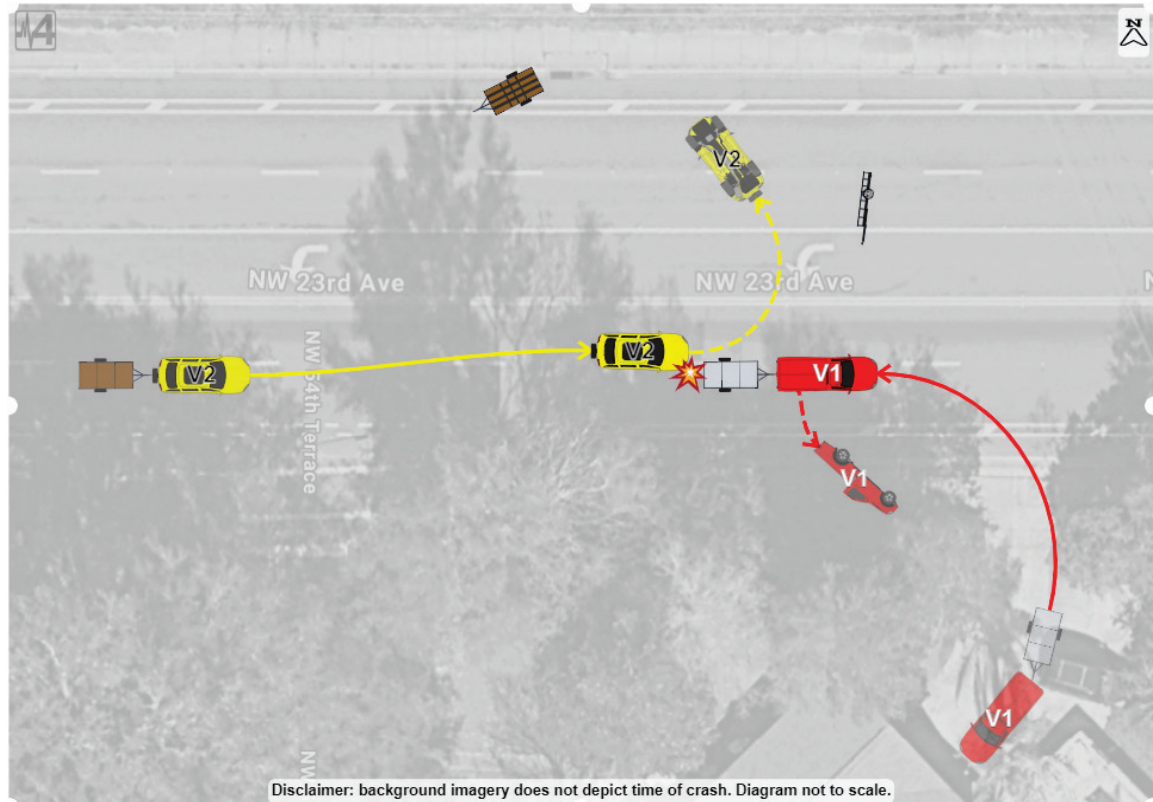
Number of agencies that have used the Diagram tool

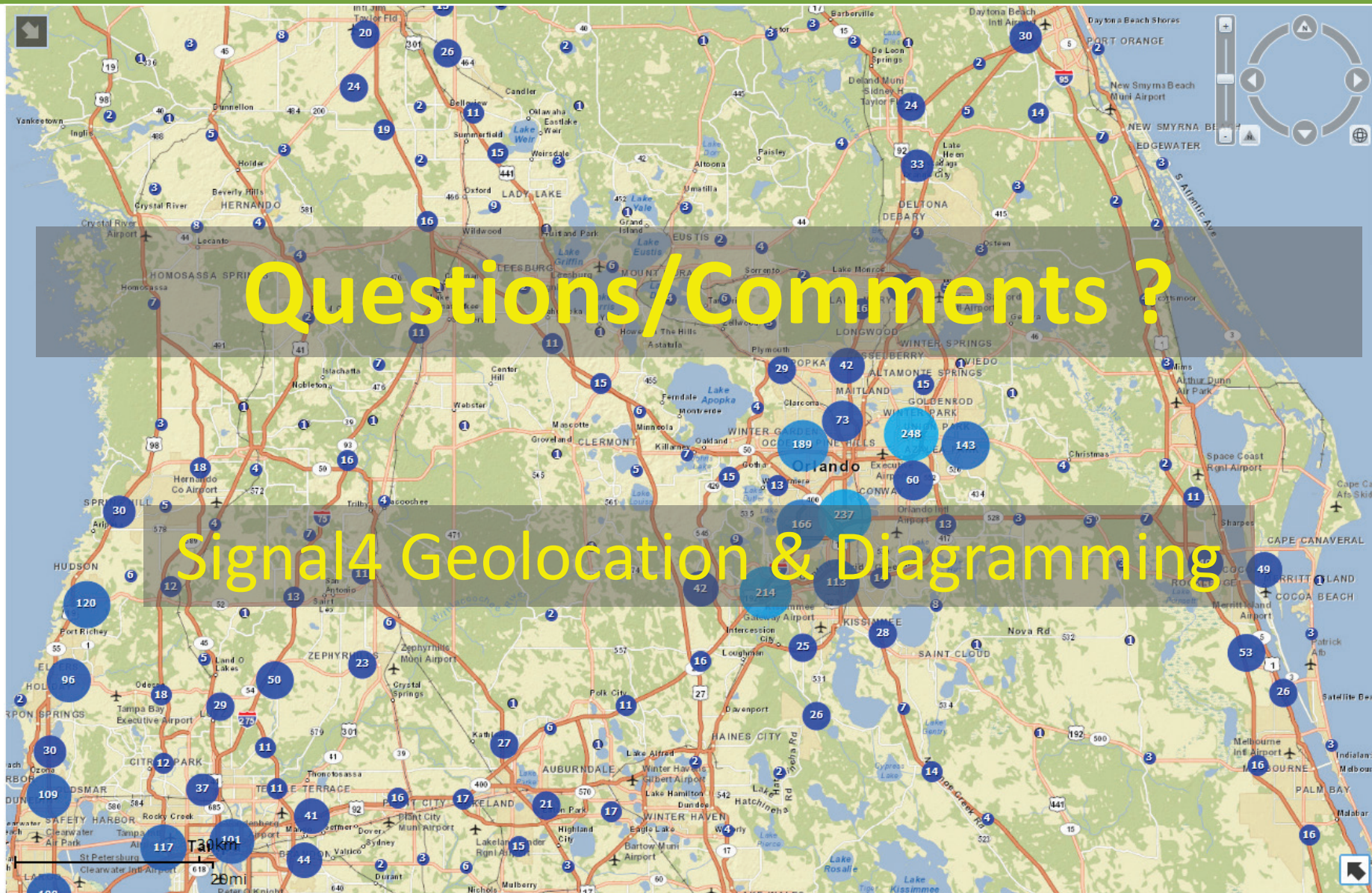




Recent Activities

- Prototype to display diagrams in Signal4 Analytics and in the FDOT Geolocation
- Improvements of validation rules
- Various other backend improvements









WORK ZONE CRASHES DASHBOARD

Ryan Cunningham, Kittelson & Associates



GEOLOCATION AND DIAGRAMMING TOOLS

Dr. Ilir Bejiliri, University of Florida



PUBLIC COMMENT

Chris Craig, FDOT



WRAP UP AND NEXT STEPS

Chris Craig, FDOT

Danny Shopf, Cambridge Systematics

WRAP UP AND NEXT STEPS



- Upcoming TRCC Meetings
 - September 13, 2024
 - TBD - December 2024 (6th or 13th)
 - TBD - March 2024 (21st or 28th)



THANK YOU AND SAFE TRAVELS!