University of Florida's Signal Four Analytics (S4) Database

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FDOT

TARGET ZERO
FATALITIES & SERIOUS INJURIES

Agenda

1. What is Signal Four?
2. What is this crash data used for?
3. Where does the data come from?
4. How does Signal Four work? – dashboard
5. How to create a Signal Four account?
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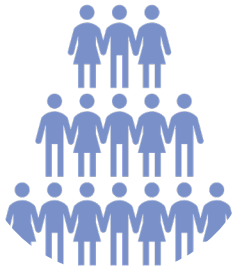
11. CDMS access removal action

What is Signal Four?

Integrates crash data through an interactive web-based platform developed by and hosted at University of Florida, Geoplan Center.

Creates both spatial and non-spatial data downloads for users.



Supports the crash mapping and analysis needs of law enforcement, traffic engineering, transportation planning agencies, and research institutions in the state of Florida.

What is this crash data used for?

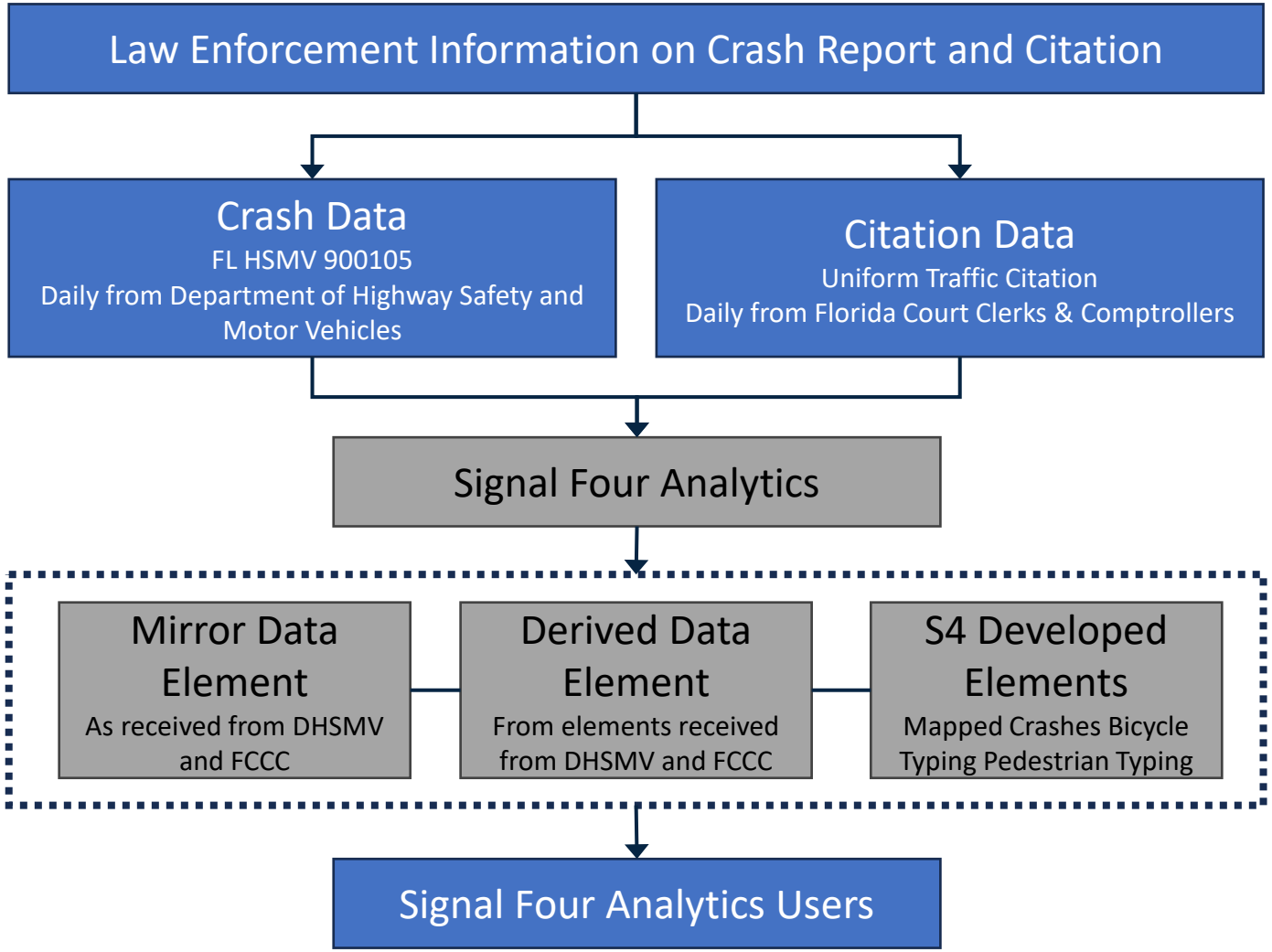
- Safety Studies
- Corridor Studies
- Benefit Cost Calculations
- Roadway Design Support
- Signal Warrant Studies
- Funding Justification
- Project Prioritization
- Roadway Safety Audits

B/C Analysis	BCAnalysis.xlsm	Benefit/Cost Analysis Spreadsheet Tool

Roadway Design
Florida's Transportation Engineers

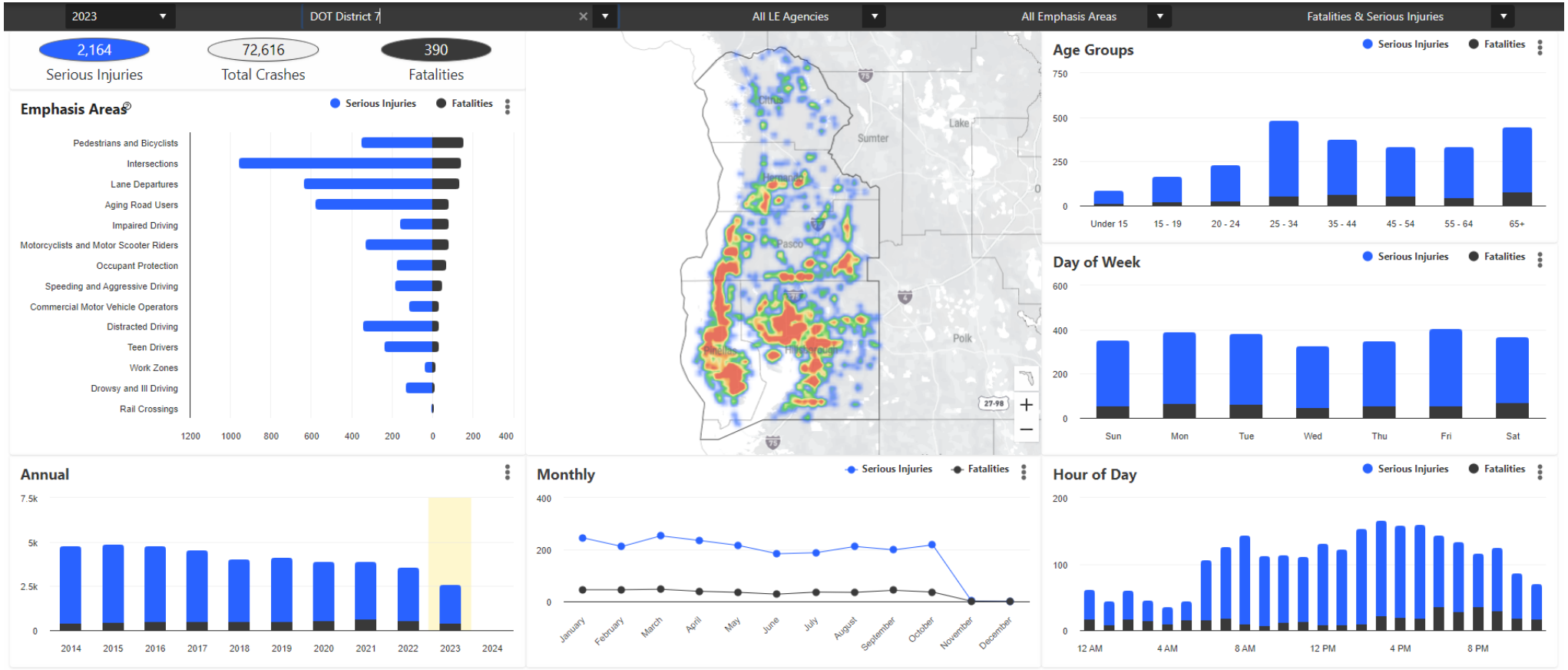
RSA
Making Your Roads Safer

Where does the data come from?

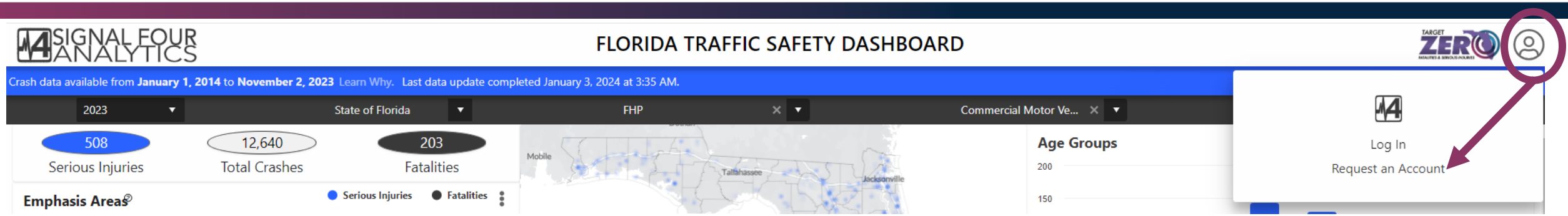


How does Signal Four work? – dashboard

https://signal4analytics.com/



How to create a Signal Four account?



REQUEST NEW ACCOUNT

Please select an option:

- (•) I am a public agency employee
- ( ) I am a public agency project manager requesting an account for a consultant
- ( ) I am a vendor/consultant
- ( ) I am an academic/researcher/student
- ( ) I am a reporter/citizen/other

HELP WITH EXISTING ACCOUNT

Please select an option:

- ( ) Account Expired
- ( ) Forgot Password/Need Password Reset
- ( ) Account is not active
- ( ) Other

Select your agency:

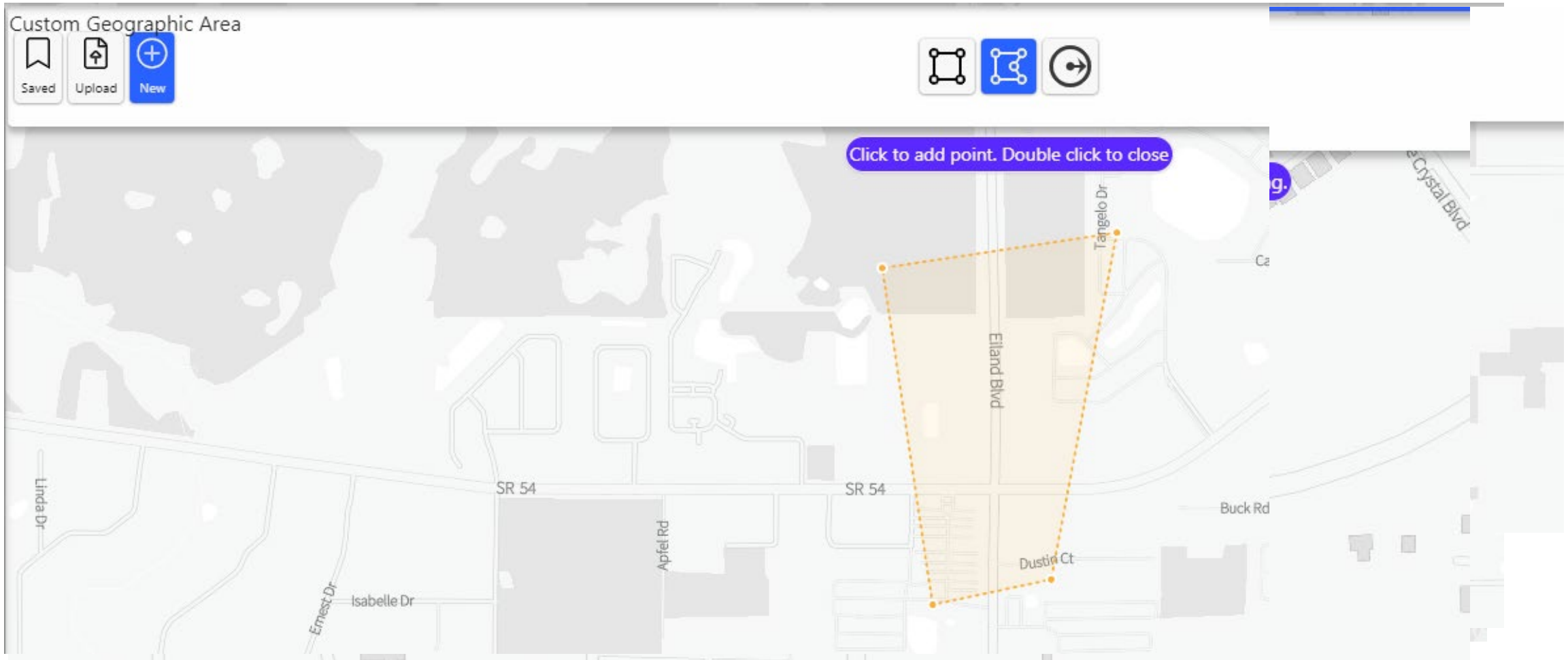
(•) Non-Law Enforcement ( ) Law Enforcement

[ ] Add new agency

My First Name:		First (given) name
My Last Name:		Last (family) name
My Suffix Name:		ex: Jr, Sr, III,
My Email Address:		Internet email address (account@domain)
Confirm Email Address:		Internet email address (account@domain)

https://signal4analytics.com/analytics/NewUserRequest.aspx

Account access – data driven analysis



Account access – data driven analysis

Available Downloads include:

- Crash Tables (CSV)
- GIS Geolocation (ESRI Geodatabase)
- FDOT Tables (CSV)
- Ped/Bike Typing (CSV)
- Police Crash Reports (PDF)
- Readme File (HTML)

Account access – data driven analysis

Crash Tables (CSV)

- [x] Crash Event
- [ ] Driver
- [ ] Non-Motorist
- [ ] Passenger
- [ ] Vehicle
- [ ] Violation

The crash data you requested on 12/12/2023 4:42 PM from Signal Four Analytics (job# 80905) is now available for download. The compressed file size is 66.752 MB.

This file will be available for download for 3 days until 12/15/2023 4:44 PM. If you miss downloading the file by then, you will have to put in a new data download request in Signal Four Analytics.

Click here to download the data

Please contact us at s4-support@ufl.edu for any issues regarding this download and reference the download job# 80905.

Best regards,
Signal Four Analytics Team
GeoPlan Center
University of Florida
s4-support@ufl.edu

crash tables	File folder			
fdot tables	File folder			
Readme.html	Chrome HTML Document	2 KB	No	3 KB 60%

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	
1	REPORT_NUMBER	CRASH_YE	CRASH_DATE_AND_TIME	REPORT_DATE_AND_TIME	INVESTIGA	FORM_TYI	TOTAL_NU	TOTAL_NU	COUNTY_(	CITY_COD	COUNTY_NAME	CITY_NAM	RURAL_OF	NOTIFIED_TIME	DISPATCHED_TIME	ARRIVED_TIME	CLEARED_TIME	COMPLETI	NOTIFIED_	ON_
2	25051294	2023	1/10/2023 23:30	4/25/2023 12:55	FHP23ON(	L	1	2	40	0	Hernando	Unincorpc	Rural	1/16/2023 15:32	1/16/2023 15:33	1/16/2023 15:48	1/16/2023 21:00	Y	Law Enfor	CR-4
3	25022245	2023	1/12/2023 21:29	1/12/2023 22:39	FHP23ON(	L	2	2	40	0	Hernando	Unincorpc	Rural	1/12/2023 21:32	1/12/2023 21:43	1/12/2023 21:56	1/13/2023 2:24	N	Law Enfor	366(
4	25076918	2023	1/17/2023 17:30	1/25/2023 11:16	FHP23ON(	L	5	7	40	0	Hernando	Unincorpc	Rural	1/17/2023 17:52	1/17/2023 17:53	1/17/2023 17:53	1/17/2023 19:43	Y	Law Enfor	COL
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6	25066742	2023	1/27/2023 19:20	1/27/2023 20:49	FHP23ON(	L	2	4	40	0	Hernando	Unincorpc	Rural	1/27/2023 19:27	1/27/2023 19:28	1/27/2023 19:44	1/28/2023 0:55	N	Law Enfor	SNC
7	24992742	2023	1/30/2023 13:44	1/30/2023 14:20	FHP23ON(	L	2	3	40	0	Hernando	Unincorpc	Rural	1/30/2023 13:49	1/30/2023 13:51	1/30/2023 14:05	1/30/2023 18:32	N	Law Enfor	CR 5
8	25076933	2023	2/5/2023 19:15	2/5/2023 20:06	FHP23ON(	L	2	1	40	0	Hernando	Unincorpc	Rural	2/5/2023 19:21	2/5/2023 19:24	2/5/2023 19:43	2/6/2023 3:06	Y	Law Enfor	COL
9	25066760	2023	3/11/2023 18:47	3/11/2023 19:49	FHP23ON(	L	2	2	40	0	Hernando	Unincorpc	Rural	3/11/2023 18:56	3/11/2023 18:57	3/11/2023 19:36	3/12/2023 0:13	Y	Law Enfor	COL
10	89590927	2023	3/13/2023 7:23	3/13/2023 8:23	FHP23ON(	L	1	1	40	0	Hernando	Unincorpc	Rural	3/13/2023 7:23	3/13/2023 7:24	3/13/2023 8:04	3/13/2023 9:53	Y	Law Enfor	CR-5
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12	25066764	2023	3/21/2023 16:56	4/12/2023 19:35	FHP23ON(	L	3	4	40	0	Hernando	Unincorpc	Rural	3/21/2023 17:18	3/21/2023 17:20	3/21/2023 17:32	3/21/2023 19:30	Y	Law Enfor	COL
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Crash report usage limitations

- ✓ Privacy requirements were implemented starting March 1st, 2023, under Florida Statute.
- ✓ Crash reports are not available within the 60-day window.
- ✓ Crash data downloads (.csv and GIS) are not available within the 60-day window.
- ✓ Cannot share ANY information related to a crash that is less than 60-days old.
- ✓ After 60 days, crash data can be shared, but the crash report can never be shared.

How to get under 60-day access

- ✓ Local agencies **must** work directly with the DHSMV and provide a crash report and crash data justification document to obtain a Memorandum of Understanding (MOU) for special permissions.
- ✓ Per Florida Statute 316.066 Section (2)(b):*"Crash reports held by an agency under paragraph (a) may be made immediately available to the parties involved in the crash, their legal representatives, their licensed insurance agents, their insurers or insurers to which they have applied for coverage, persons under contract with such insurers to provide claims or underwriting information, law enforcement agencies and their contracted service providers, victim services programs, and any federal, state, or local governmental agency or any private person or entity acting on behalf of a federal, state, or local governmental agency in carrying out its functions, but not for redistribution to any person or entity not listed in this subsection."…(c) Any local, state, or federal agency that is authorized to have access to crash reports by any provision of law shall be granted such access in the furtherance of the agency's statutory duties."*
- ✓ Division of Motorist Services, Bureau of Records at HSMV-Records@flhsmv.gov, 850-617-2702

Crash data responsibility

Any person or agency who has copies of or access to the data and/or documents has the same responsibility to maintain its confidentiality as the FLHSMV.	
That includes legal liability for misuse of the data that are shared.	The agency would have to sign a Memorandum of Understanding (MOU) that stipulated that they may not sell the information to a third party and may not share the data with anyone who is not eligible to receive it under law.

Link to webinars

The New Signal Four Analytics for our MPO Partners
https://www.gotostage.com/channel/e4ae9e0af5a349058cd5bfeaed8034f6/recording/eea61f682a934fd7b5635622df5a8277/watch

Safety Crash Data Guidance
Step 1: Signal Four Analytics (S4) Crash Data Download
https://www.youtube.com/watch?v=z7dvVUSiTqQ

CDMS access removal action

FDOT limits CDMS users as of November 2023 due to Florida Statute Privacy Restrictions.

FDOT encourages users to request a Signal Four account if they do not have one.

Signal Four is the primary crash data download source in Florida as of November 2023

Thank You!
Questions?