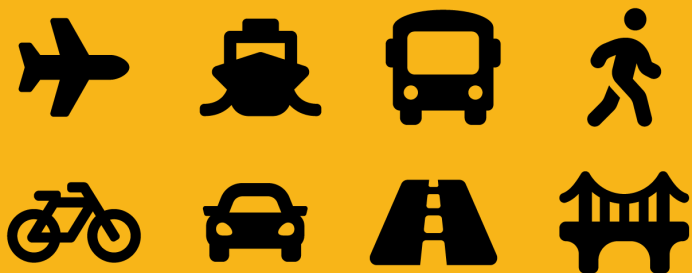


TPB Safety Subcommittee – MDOT-MVA-MHSO Crash Data Resources

Doug Mowbray,
Traffic Records Program Manager

Sept. 22, 2026



Maryland Highway Safety Office

ZERO DEATHS MARYLAND

— Highway Safety Office —

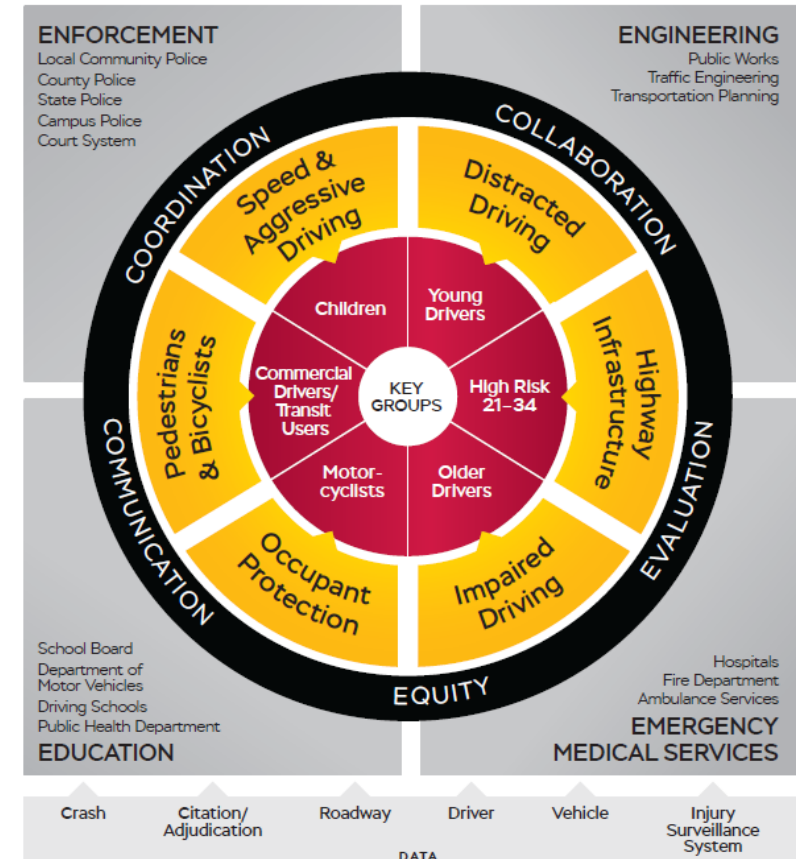
<https://zerodeathsmd.gov/>

- Impaired driving
- Seat belt use
- Pedestrian and bicyclist safety
- Motorcyclist safety
- Speed/Aggressive driving
- Distracted driving
- Law enforcement services
- **Traffic Records**



MHSO Traffic Records Program

- Data system improvements (NHTSA – Federal Funding).
- Traffic Records Coordinating Committee (TRCC).
- Data analysis support.
- Strategic Highway Safety Plan (SHSP) and Local SHSP support.
 - Emphasis Area Teams (EATs): Data Strategies and Action Steps.
- Grantees
 - Washington College Geospatial Innovation Program
 - Crash CORE





NHTSA

The 6 Core Traffic Records Systems

Better data. Safer roads. Healthier communities.



Crash

Provides information on where, when, how, and what happened in traffic crashes, including location, type, and severity.



Driver

Includes driver licensing, credentials, history, and behavior (e.g., convictions, violations, and suspensions).



Vehicle

Contains information about vehicles, including registration, make/model, year, and vehicle characteristics.



Roadway

Provides data on roadway characteristics, such as location, road type, geometry, and infrastructure features.



Citation/ Adjudication

Includes traffic citations, charges, and adjudication outcomes (e.g., fines, points, licensing actions).

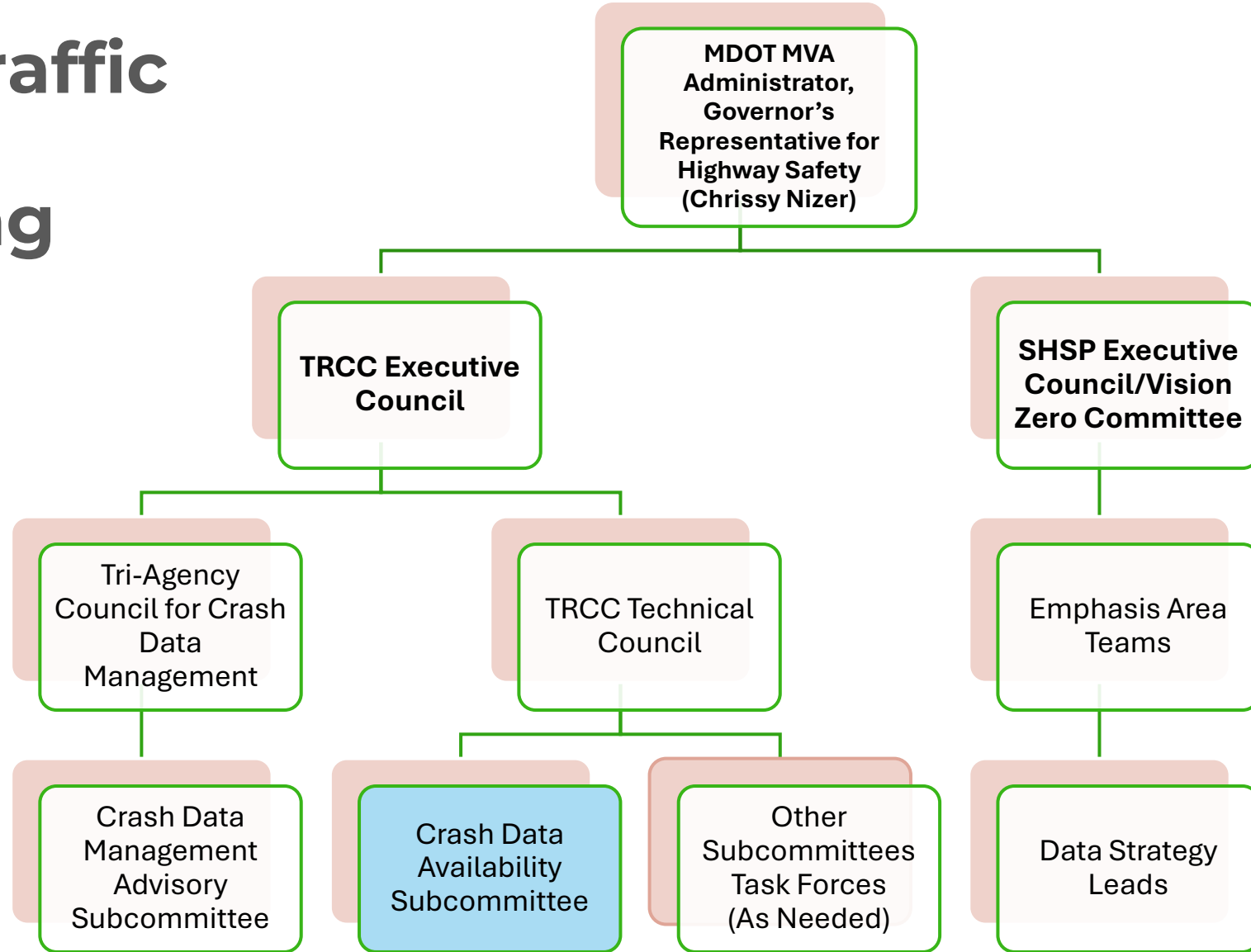


Injury Surveillance

Provides information on non-fatal injuries, including hospital/emergency department data and treatment information.

Together, the 6 systems create a comprehensive picture of traffic safety and help save lives.

Maryland Traffic Records Coordinating Committee



Crash Data Availability Subcommittee

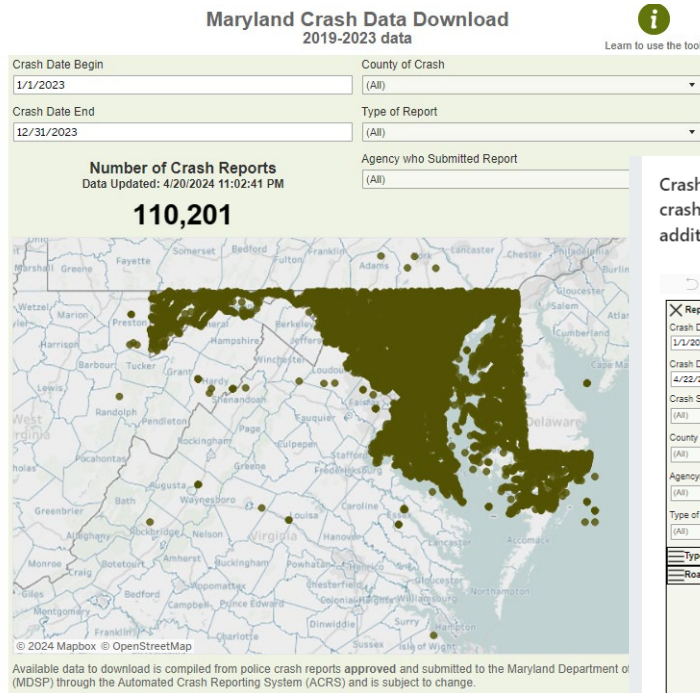
- Chair: Doug Mowbray (dmowbray@mdot.maryland.gov)
- Meetings: Quarterly (4th Wednesday, 1:30pm – January, April, July, October)
- Members:
 - State Agencies: MDSP, MVA, MHSO, SHA, MDOT
 - Baltimore Metropolitan Council (BMC)
 - Local DPW-T/DOT
 - Baltimore City
 - Baltimore County
 - Prince George's County
 - Anne Arundel County
 - Analysts/Researchers
 - Washington College
 - UMD CATT Lab
 - Crash Core

Scope & Goals

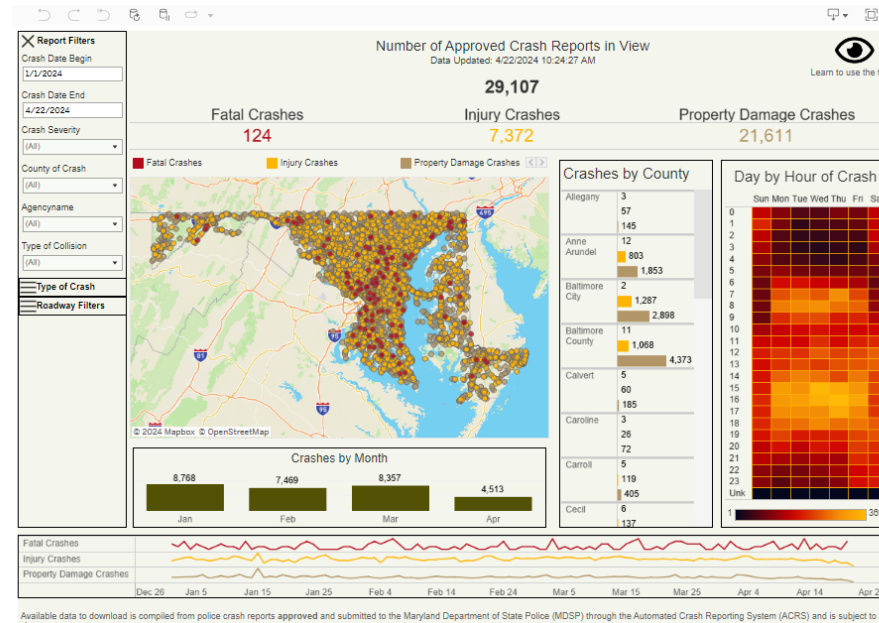
- Best practices for crash data display and analysis.
- Crash data lifecycle — collection through analysis and distribution.
- Policies for data access, permissions, and limitations.
- Crash data documentation (e.g., data dictionary).
- Online release of raw data and statistical summaries.
- Publication of crash data in secure applications.

MDSP Crash Data Download Tools

<https://mdsp.maryland.gov/safety-prevention/interactive-data-dashboards>



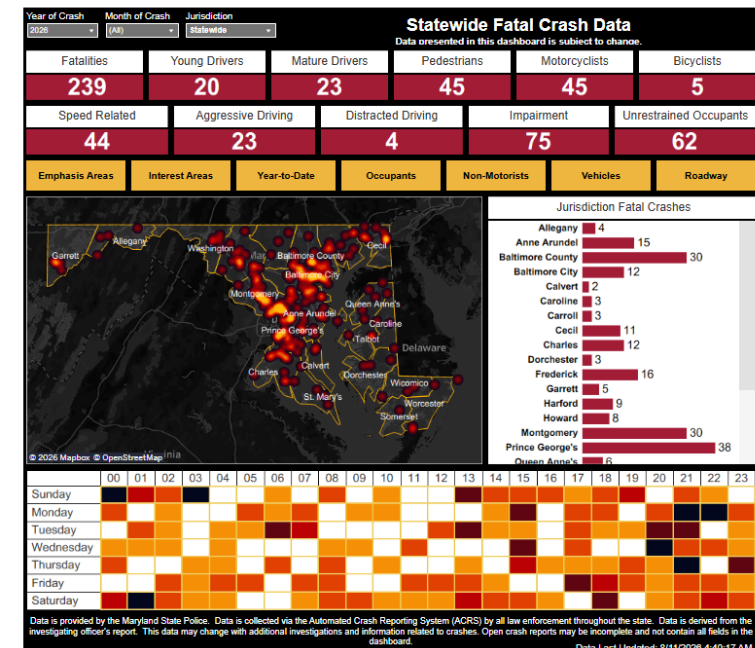
Crash data collection was updated on January 1, 2024. This dashboard enables users to explore crash data from 2024 through the present. Users can also download the raw data to perform additional analysis. A video is included with a walkthrough.



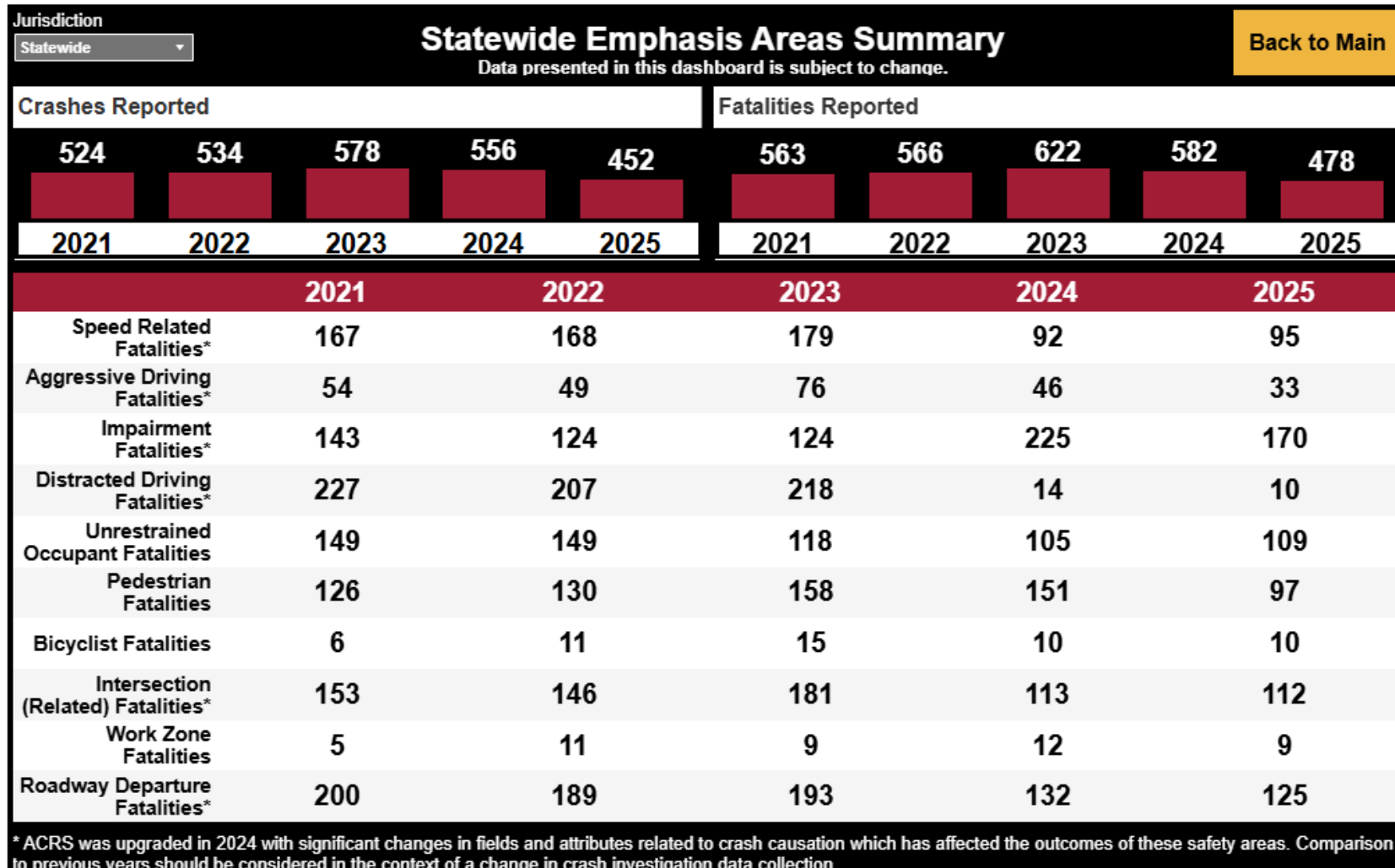
- ACRS '15: 2019-2023
- ACRS '24: 2024-current
- Video tutorial.
- Coming soon: Downloadable data package.
- Data subject to, *and will*, change.
 - Officer report updates; record updates.
 - Updated every morning.
 - Only approved reports.
- Includes *nontraffic* reports.

Fatal Crash Dashboard

- Launched April 12, 2023
 - *Maryland Highway Safety Summit.*
- **Relaunched** March 13, 2024 (ACRS 2.0).
- Source: MDSP Data Warehouse (ACRS).
- Platform: Tableau.
- Updated every morning.
- Years available: 2016 to current.
- Includes **open reports/ open investigations.**
- No personally identifiable information (PII).
- Excludes *nontraffic* reports.



Fatal Crash Dashboard



Crash Data Summaries

- MHSO (formerly SHA Benchmark Reports/Profiles – retired 2023 (with ACRS '24 implementation)

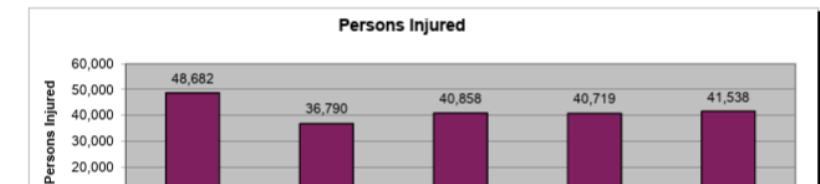
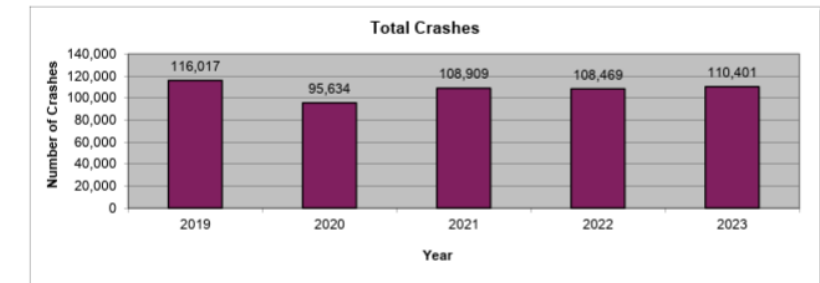


Statewide Crash Summary

	2019	2020	2021	2022	2023	5-YEAR AVERAGE
Fatal Crashes	496	546	524	534	577	535
Injury Crashes	32,938	25,360	28,142	28,027	28,577	28,609
Property Damage Crashes	82,583	69,728	80,243	79,908	81,247	78,742
Total Crashes	116,017	95,634	108,909	108,469	110,401	107,886
Total of All Fatalities	535	573	563	566	621	572
Total Number Injured	48,682	36,790	40,858	40,719	41,538	41,717

Statewide Crash Summary

	2019	2020	2021	2022	2023	5 Year AVG.	%
Fatal Crashes	496	546	524	534	577	535	0.5
Injury Crashes	32,938	25,360	28,142	28,027	28,577	28,609	26.5
Property Damage Crashes	82,583	69,728	80,243	79,908	81,247	78,742	73.0
Total Crashes	116,017	95,634	108,909	108,469	110,401	107,886	100.0
Total of All Fatalities	535	573	563	566	621	572	
Total Number Injured	48,682	36,790	40,858	40,719	41,538	41,717	



MVA-MHSO Crash Data Dashboards

- In Development/
Replaces Static
Summary Reports
- Demo
 - July 16 Vision Zero Committee
- Public Release
 - **October 15** Vision Zero Committee

Zero Deaths Maryland Crash Stats Dashboard - All Crashes

Crash Data are updated nightly at 1:00am. CLOSED REPORTS ONLY. Data are subject to change as reports are closed or updated

Summary

By Jurisdiction

By Month

By Day & Time

By Route

Occupants

Non-Motorist

The Zero Deaths Maryland Crash Stats Dashboard contains summaries of **CLOSED crash reports** and crash related injuries occurring from 2016 to date. Data are sourced from the Maryland State Police Automated Crash Reporting System (ACRS). Data does not include non-traffic crashes or related injuries.

All report data are subject to change as reports are finalized. Traffic crash fatalities can occur up to 30 days after the incident. The Executive Summary page displays crash, fatality, and serious injury data from January 2026 to date along with charts showing total crashes by severity for the previous years.

Filters are available along the left-hand side of each page to tailor visuals to more specific criteria. By default data will show at the statewide level for all crash types and injury levels. Be sure to deselect filters to return to the default statewide view as needed.

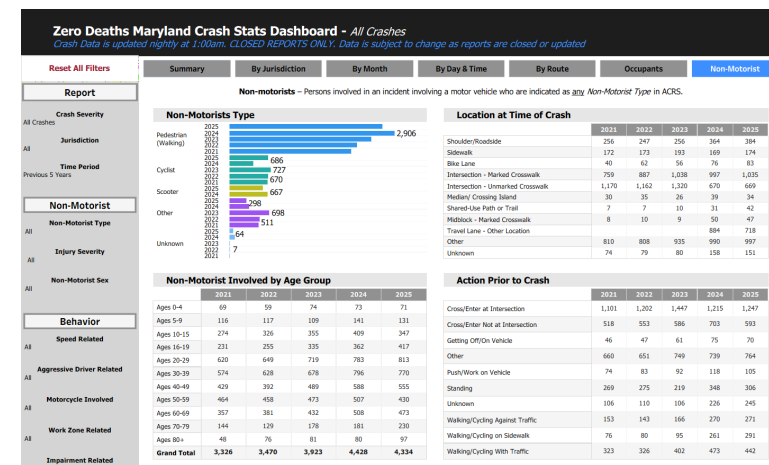
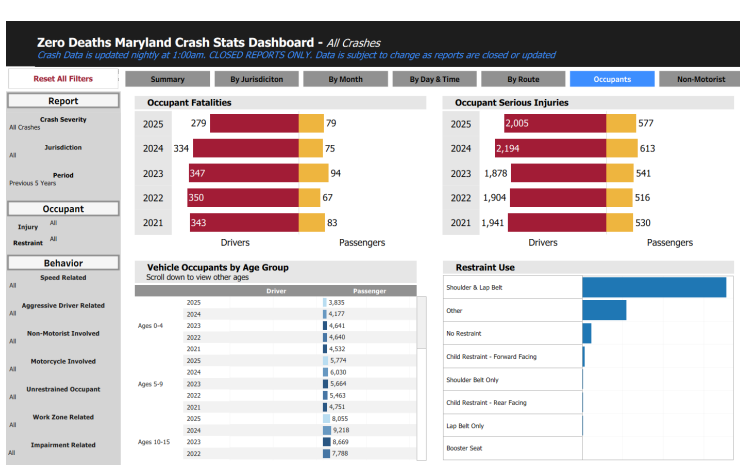
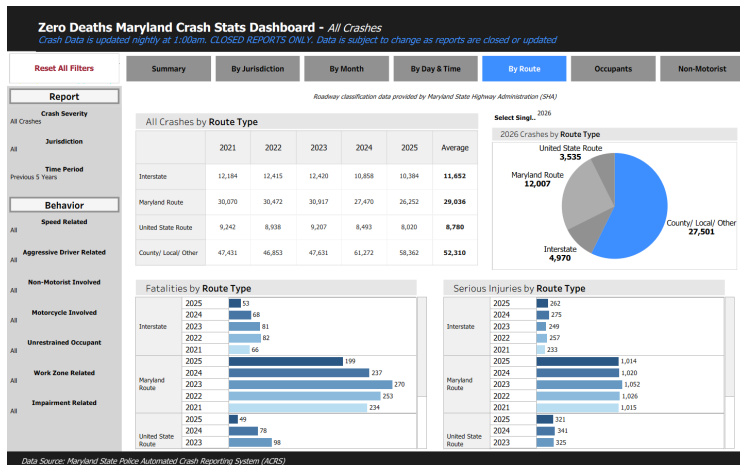
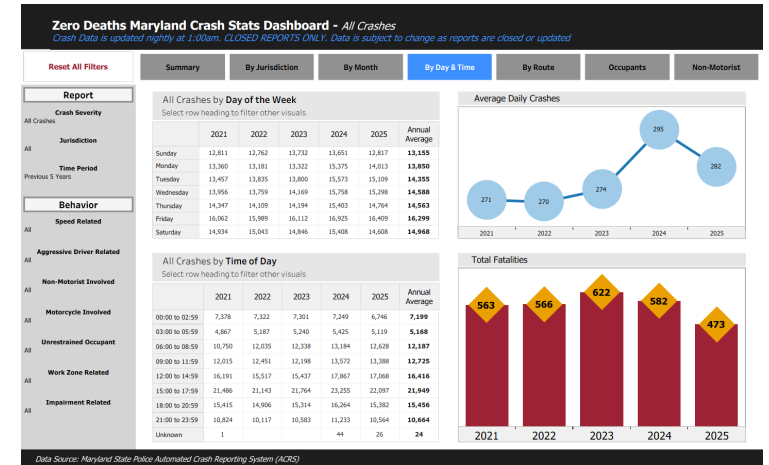
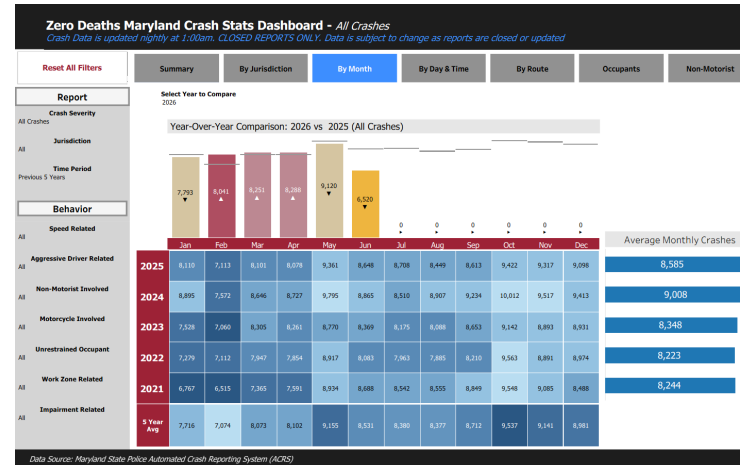
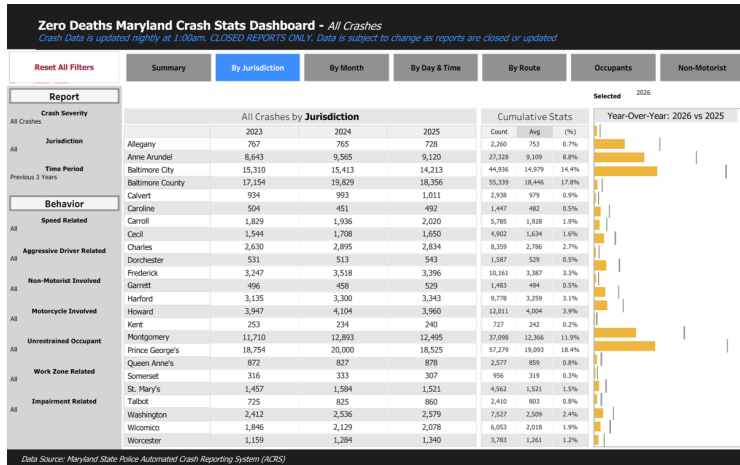
Contents:

Executive Summary
Crashes by Jurisdiction
Crashes by Month
Crashes by Day & Time
Crashes by Route Type
Vehicle Occupant Injury Summary
Includes data for drivers and passengers
Non-Motorist Injury Summary

Year		Jurisdiction
2026		All
		2026
Total Crashes		52,512
Total Fatalities		185
Total Suspected Serious Injuries		1,548
Total Suspected Minor/ Possible Injuries		19,237
Total Injuries		20,785
Total Persons Involved		118,465
Total Vehicle Occupants Involved		116,169
Total Non-Motorists Involved		2,296
Total Non-Motorist Fatalities		43

Data Source: Maryland State Police Automated Crash Reporting System (ACRS)

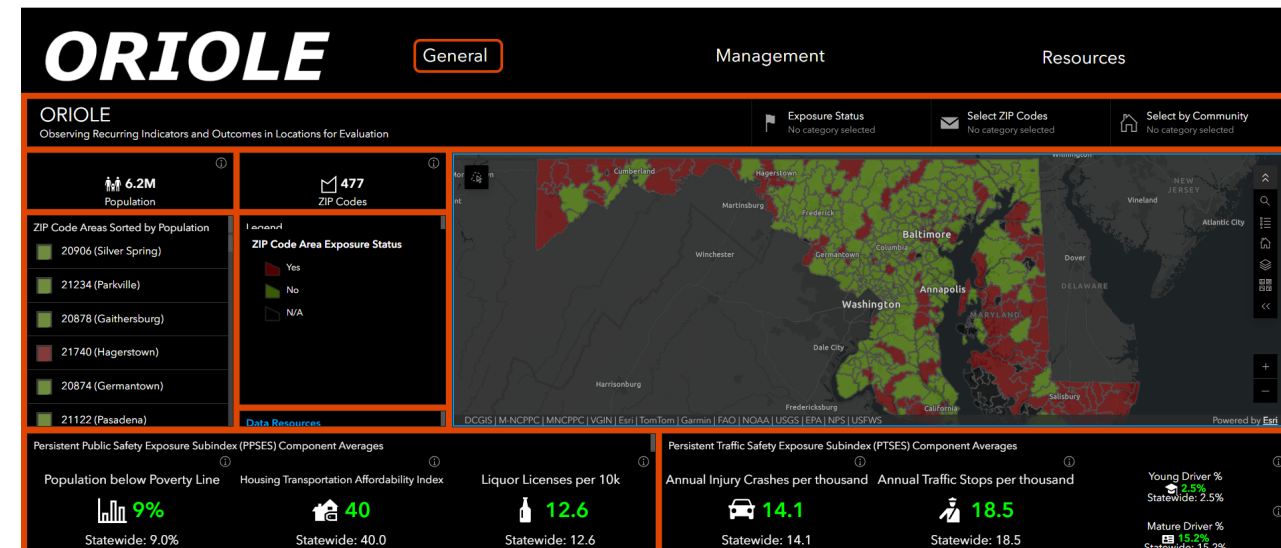
MVA-MHSO Crash Data Dashboards (Pending)



ORIOLE Purpose and Goals

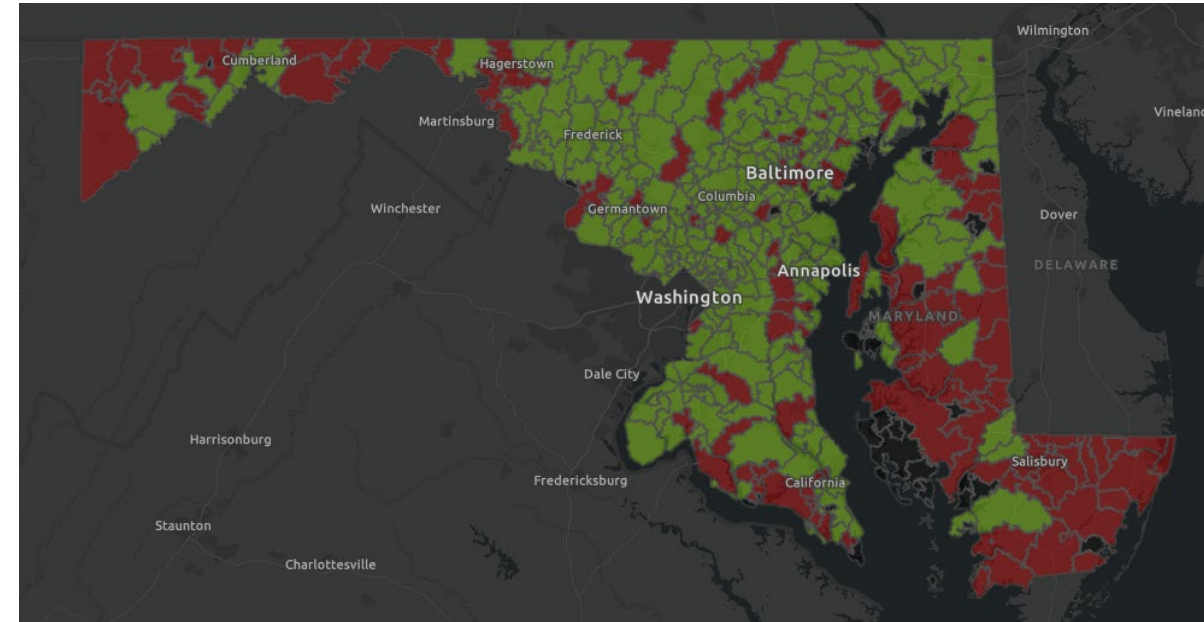
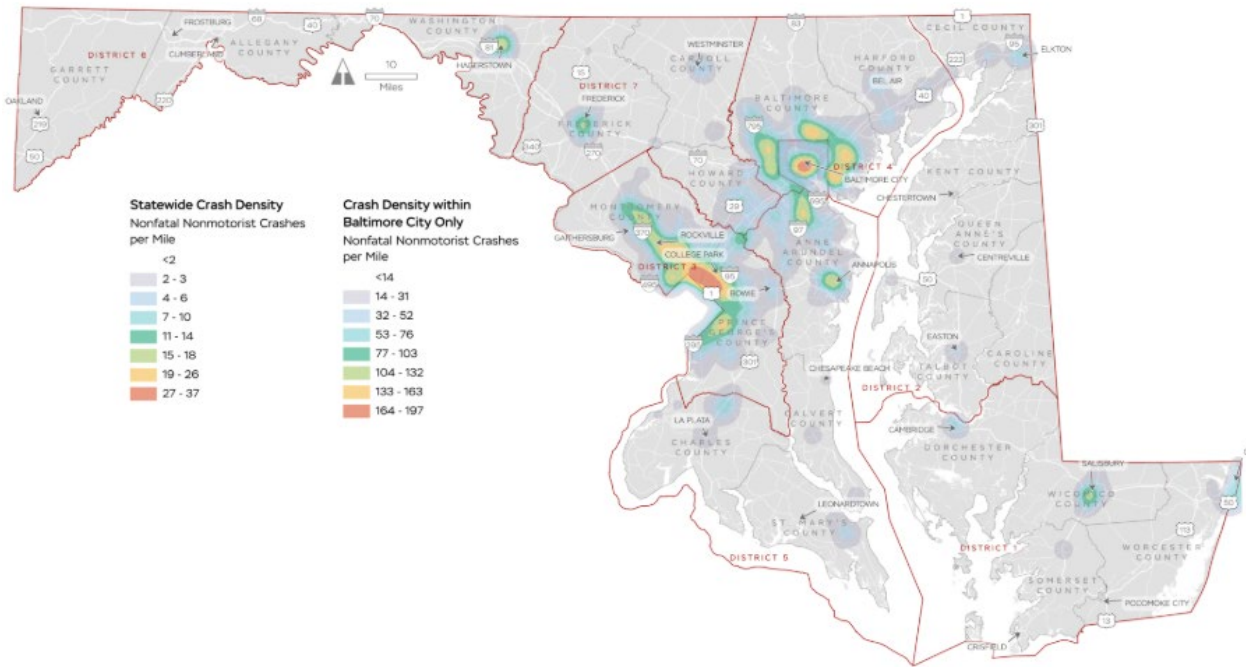


- Identify Communities with Persistent Public Safety Exposure (PPSE).
- Support MHSO Public Participation and Engagement (PPE).
- Develop problem identification for MHSO Grantees.
- Evaluate PPE and Analyze Program Participation (Zip Codes).
- Integrate Traffic Records Data (e.g., crash, liquor licenses).
- Align with other MDOT Safety Engagement Efforts.



Observing Recurring Indicators and Outcomes in Locations for Evaluation (ORIOLE)

Change in Perspective

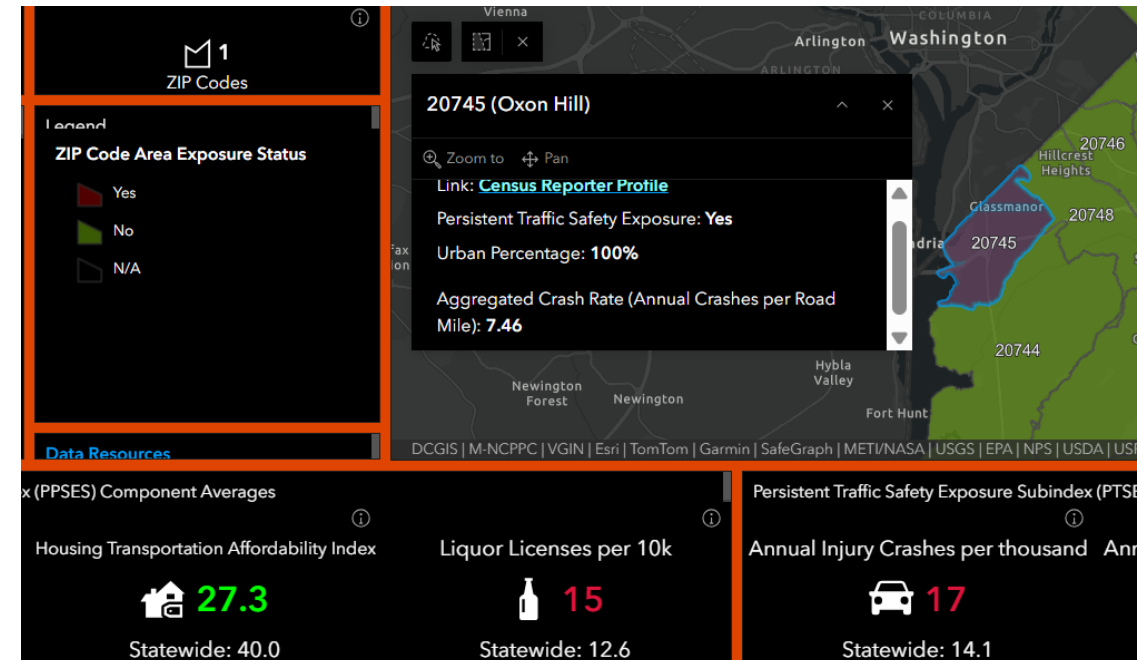
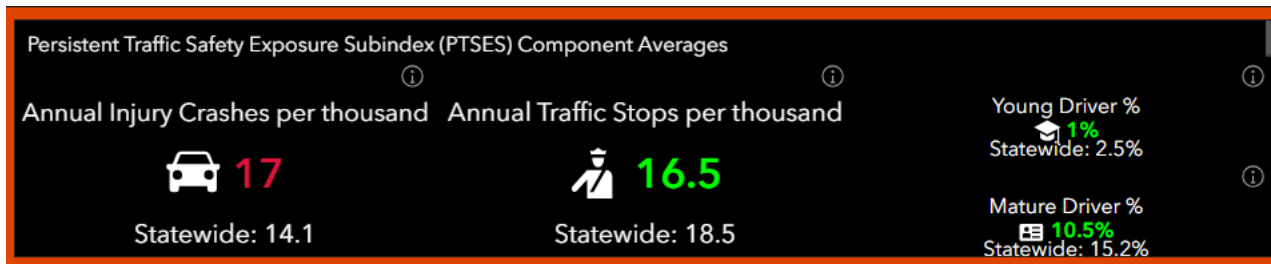
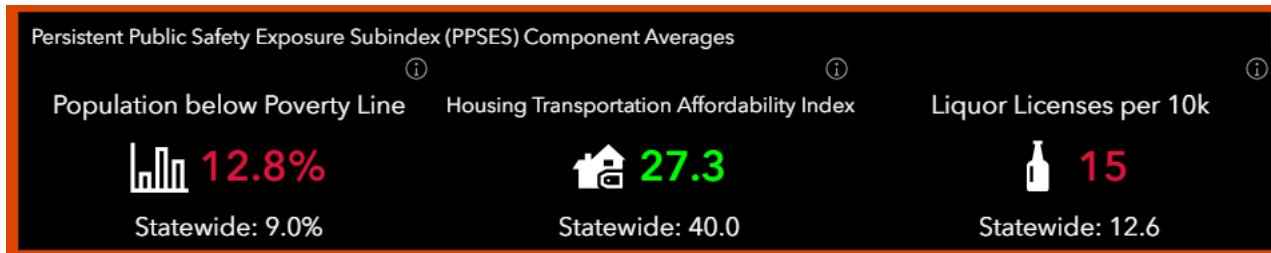


26% of Maryland's population resides in **Persistent Public Safety Exposure Areas**

Data Sources

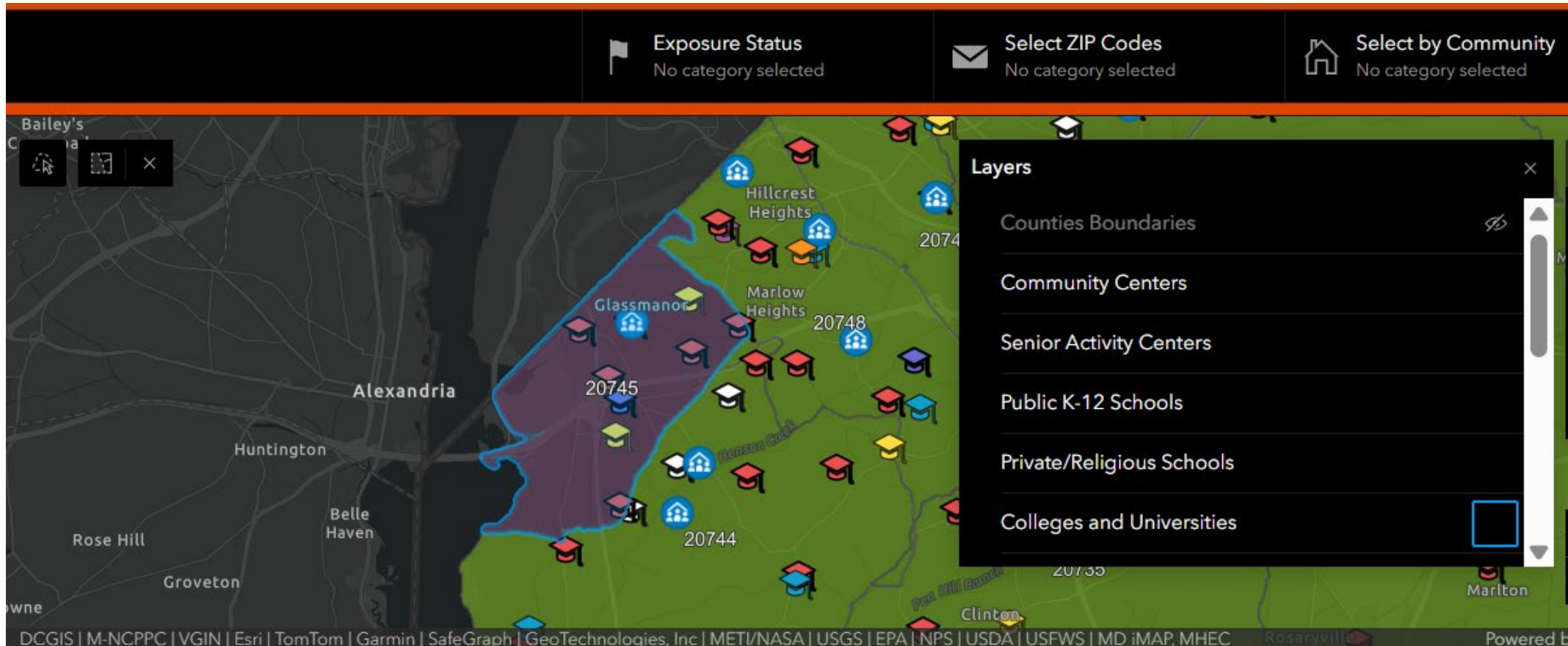
- Census Bureau: Poverty
- Maryland Department of Health: Liquor License Locations
- Maryland State Police: Crash
- Maryland Department of Transportation Motor Vehicle Administration: Young/Mature Drivers
- Maryland Judiciary (District Court): Citations
- Center for Neighborhood Technology: Housing Transportation Affordability

ORIOLE: Layers

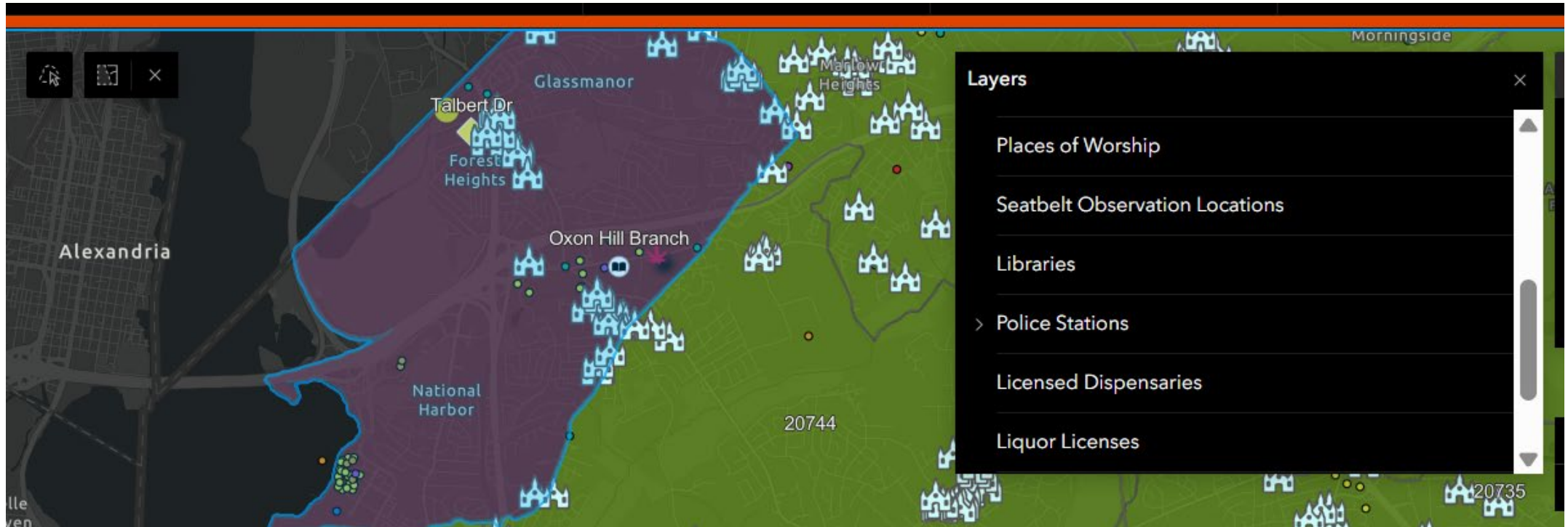


Not Currently Available Publicly. Please request a full demo if interested.

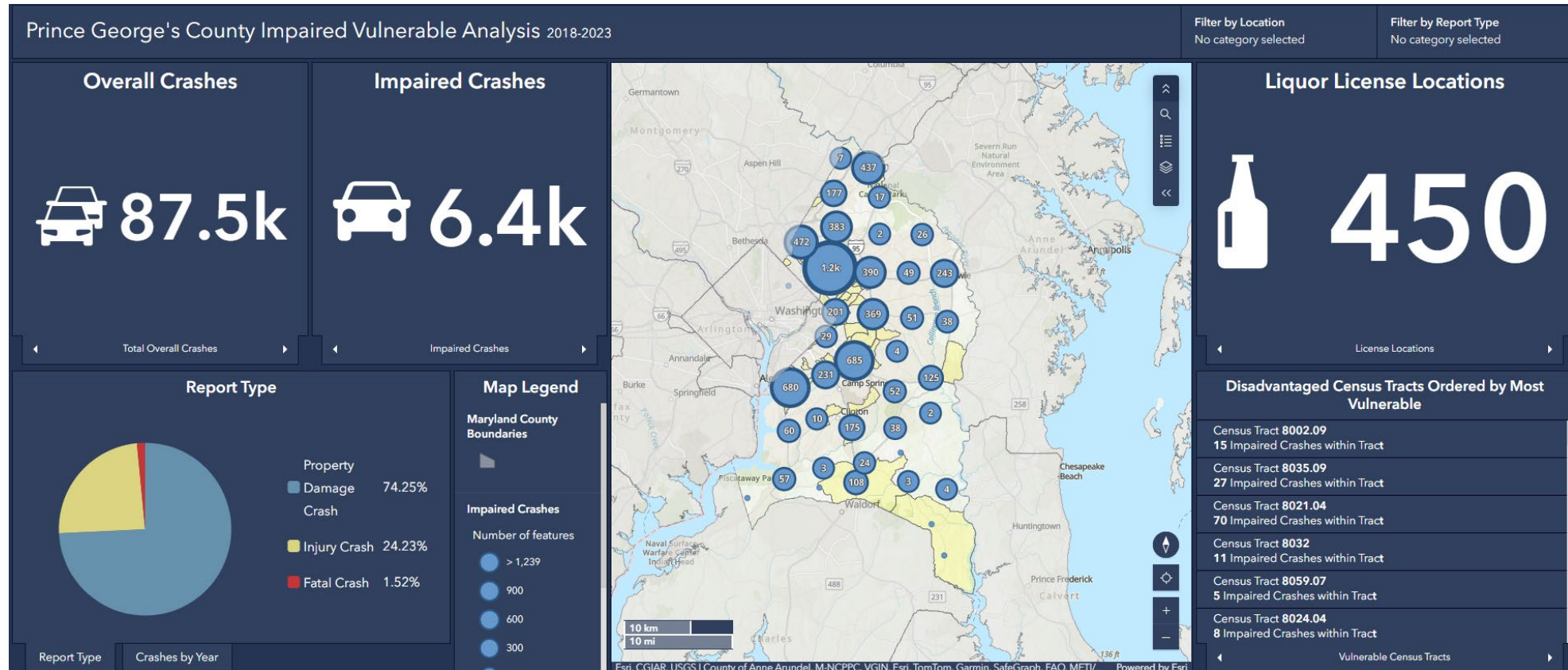
ORIOLE: Layers



ORIOLE: Layers

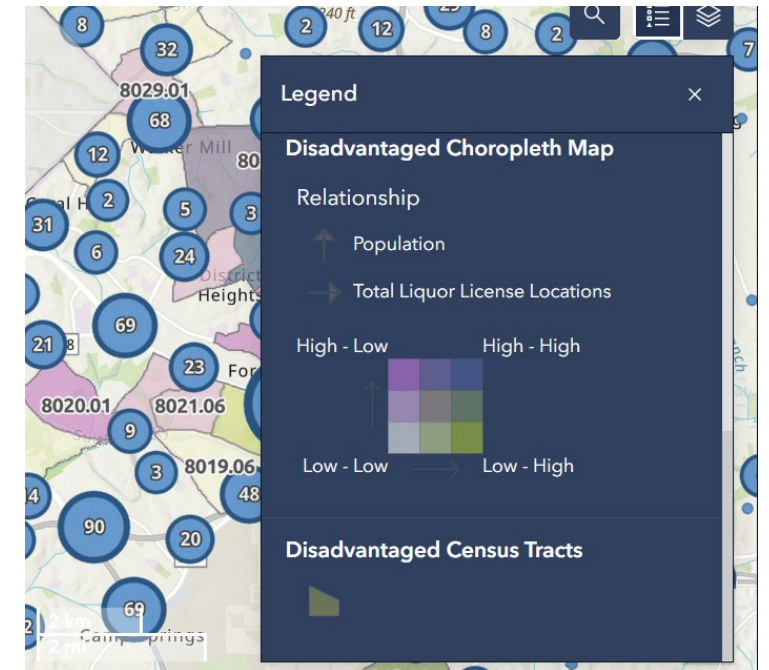


Prince George's County > Pilot LYFT Program

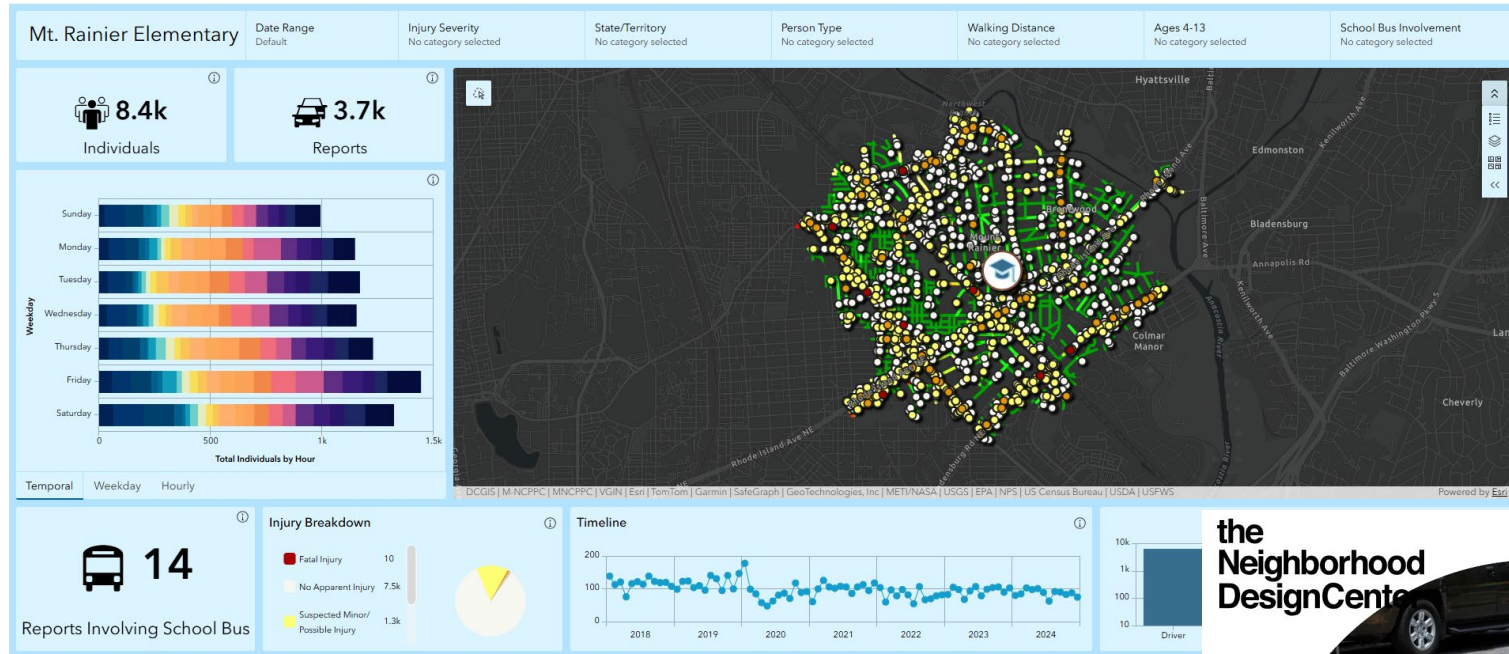


Prince George's County Impaired Driving

- Datasets Included:
 - Impaired and overall crash data, 2018-2023
 - Liquor License Locations
 - *Transportation Disadvantaged* Census Tracts (now **Persistent Public Safety Exposure Areas**)
 - Disadvantaged Choropleth Map
 - Relationship between population and liquor license density.
- Caveats
 - Crash location accuracy.
 - Site visits (participation willingness).
 - No public access.
 - Outdated application.



Mount Rainer Elementary



<https://ndc-md.org/projects/bunker-hill-mural>

News + St

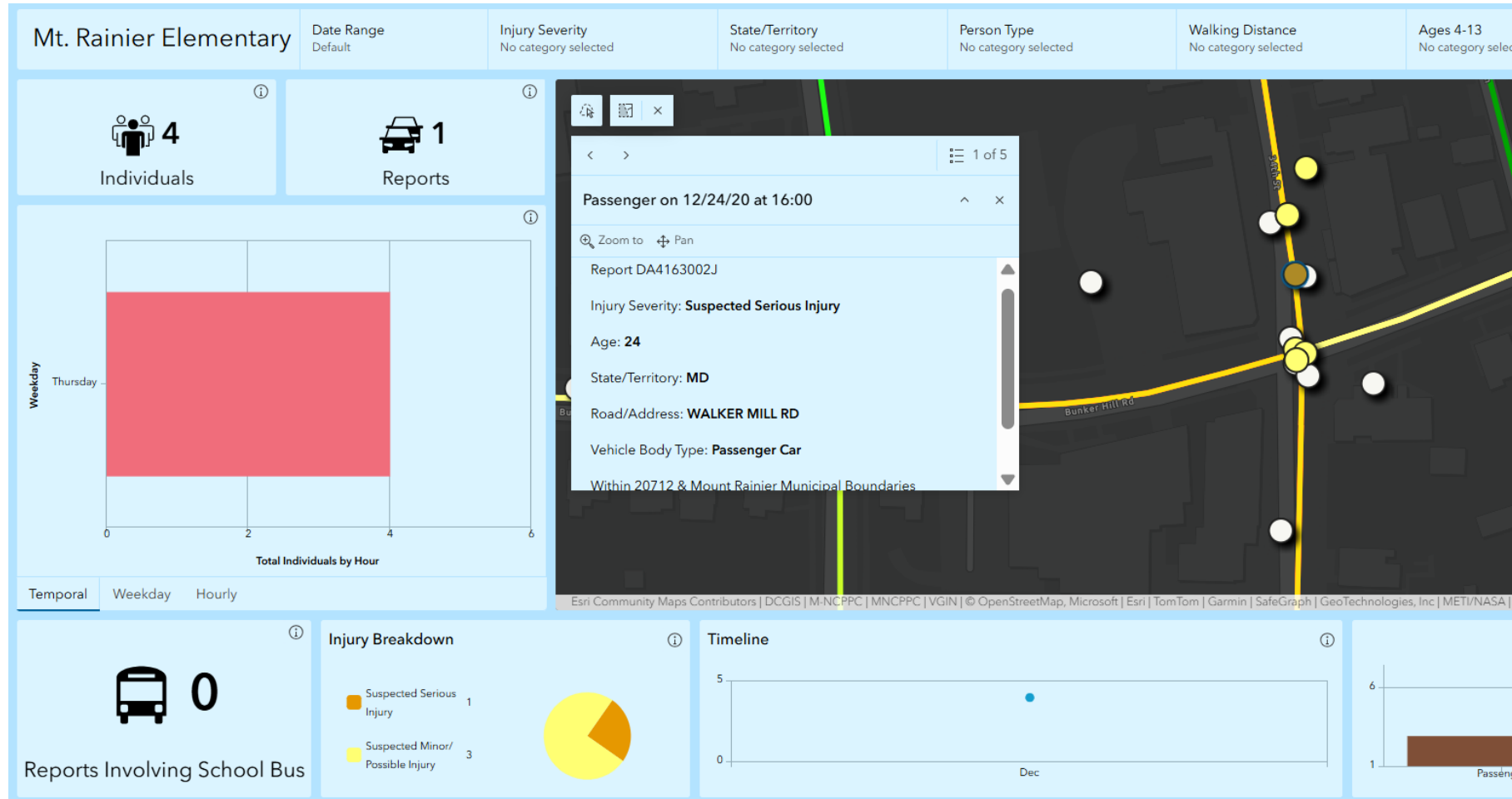
Art in the Right of Way

Demonstration mural on Bunker Hill Road across from Joe's Movement Emporium to build momentum, buy-in, and community feedback for a permanent traffic-calming artwork to improve safety conditions for pickup during after school programs.

[SEE PROJECT →](#)



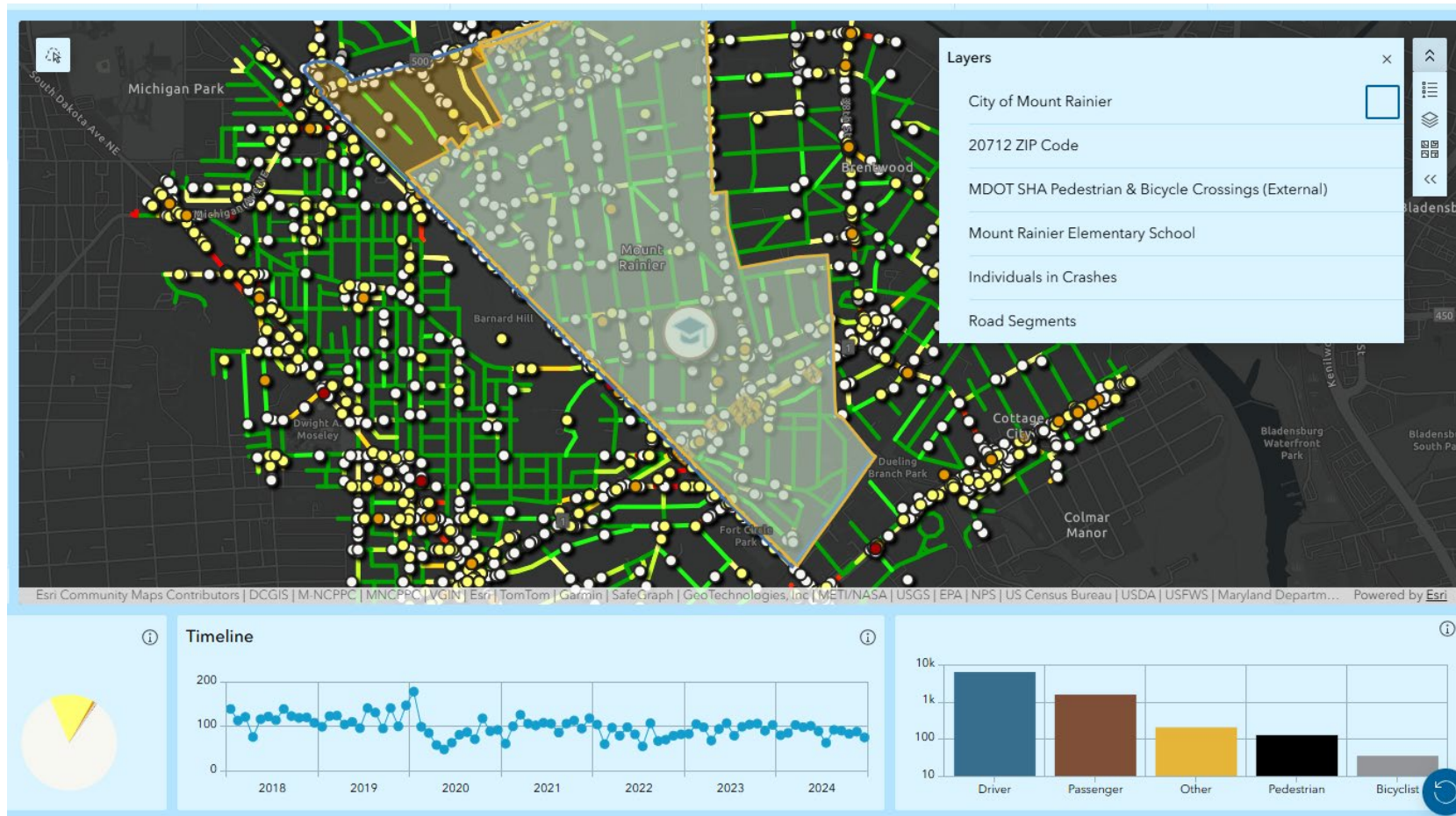
Mount Rainier Elementary



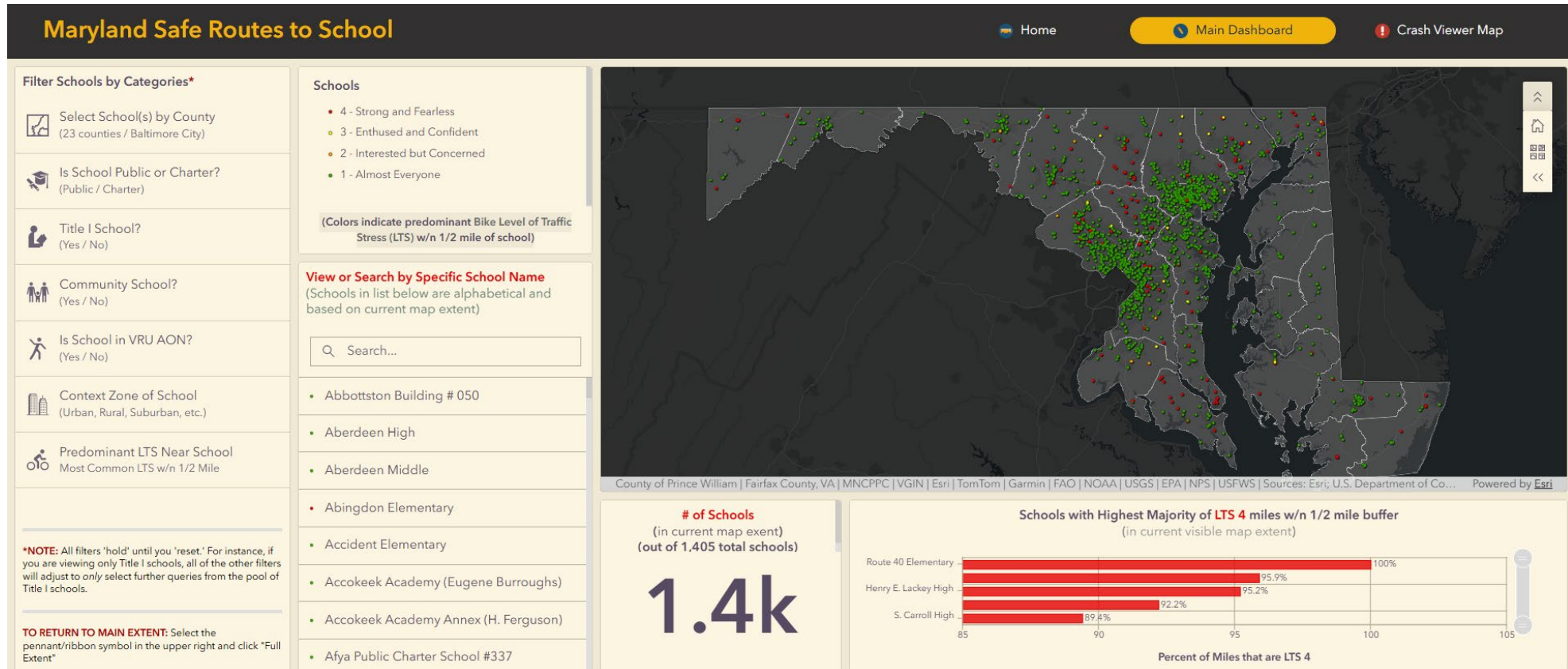
Mount Rainer Elementary



Mount Rainer Elementary

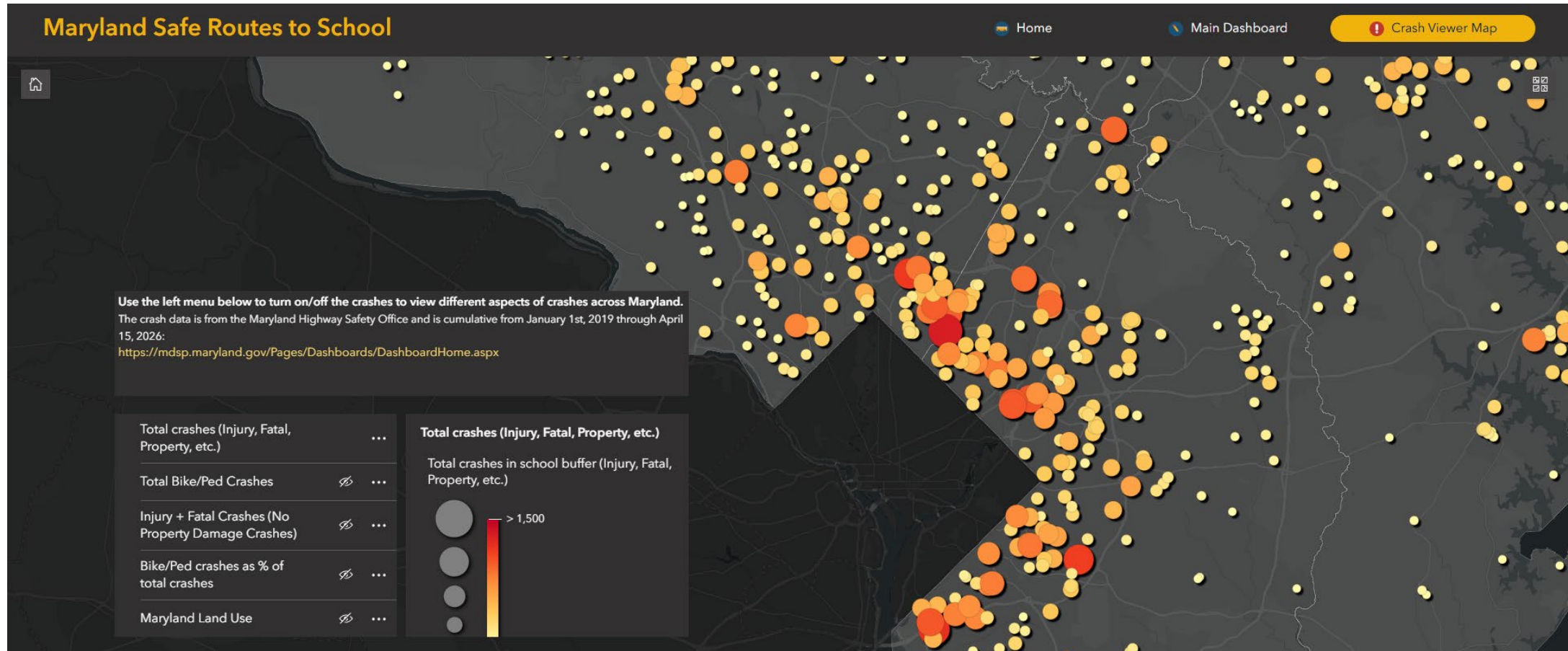


Safe Routes to School (BETA)



<https://experience.arcgis.com/experience/3668b467d52d47308b5313aef2574015/page/Main-Dashboard>

Safe Routes to School (BETA)



<https://experience.arcgis.com/experience/3668b467d52d47308b5313aef2574015/page/Main-Dashboard>

Questions?

Doug Mowbray,
Traffic Records Program Manager

*Maryland Department of
Transportation*

Motor Vehicle Administration

Highway Safety Office

dmowbray@mdot.maryland.gov
410-424-3668

