





SYSTEMS

THE MARYLAND DEPARTMENT OF TRANSPORTATION MOTOR VEHICLE ADMINISTRATION MARYLAND HIGHWAY SAFETY OFFICE (MHSO)

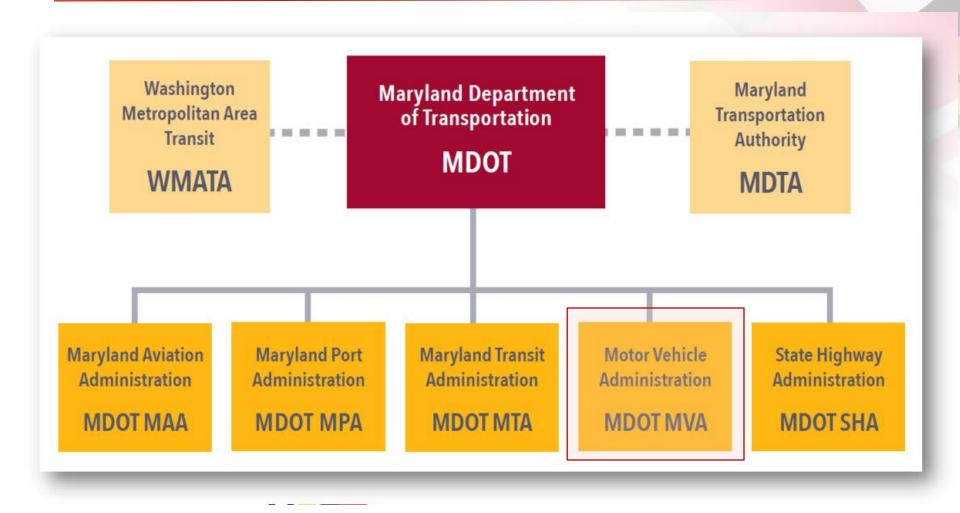
MHSO Data Resources Baltimore Data Day 2023

John J. # WIT JA

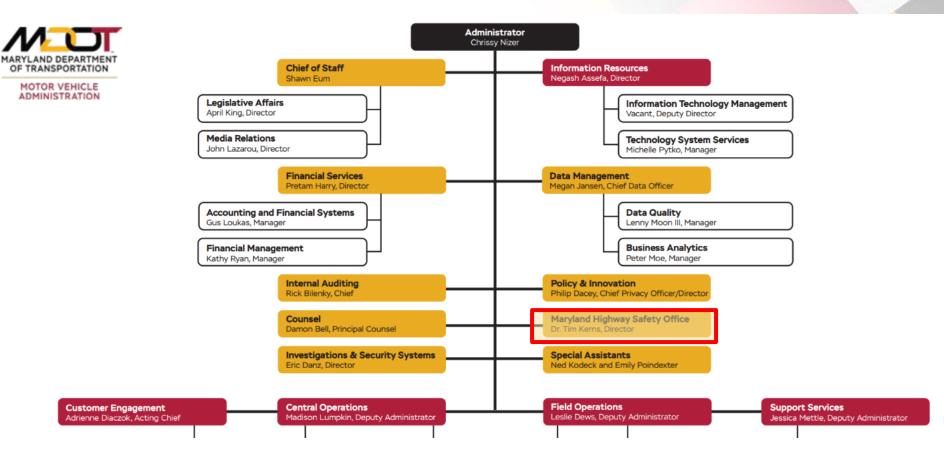
OBJECTIVES

- Describe the MHSO Traffic Records Program.
- Describe the MHSO traffic safety data resources.
- Illustrate the Maryland crash data workflow.
- Demonstrate crash data resources available online.

THE MDOT ORGANIZATION



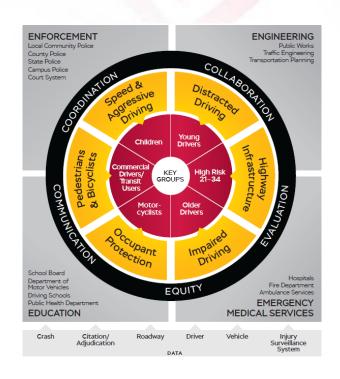
MDOT > MVA > MHSO



MHSO TRAFFIC RECORDS PROGRAM

- Data system improvements (NHTSA – Federal Funding).
- Traffic Records Coordinating Committee (TRCC).
- Data analysis support.
- Strategic Highway Safety Plan (SHSP) support.
 - Emphasis Area Teams (EATs):
 Data Strategies and Action Steps.
- Grantees
 - UMB-National Study Center (NSC)
 - Washington College
 - Crash Core





MDOT MVA Administrator, TRCC Governor's Representative for **Highway Safety** (Chrissy Nizer) MARYLAND TRCC **TRCC Executive SHSP Executive** Council Council Tri-Agency Council for TRCC Technical Emphasis Area Crash Data Council Teams Management Crash Data

Management Advisory Subcommittee Crash Data
Accessibility
Subcommittee

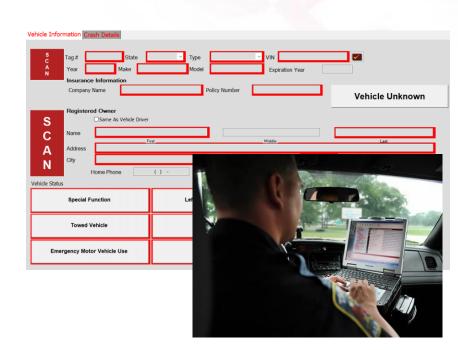
Other
Subcommittees
Task Forces
(As Needed)

Data Strategy Leads

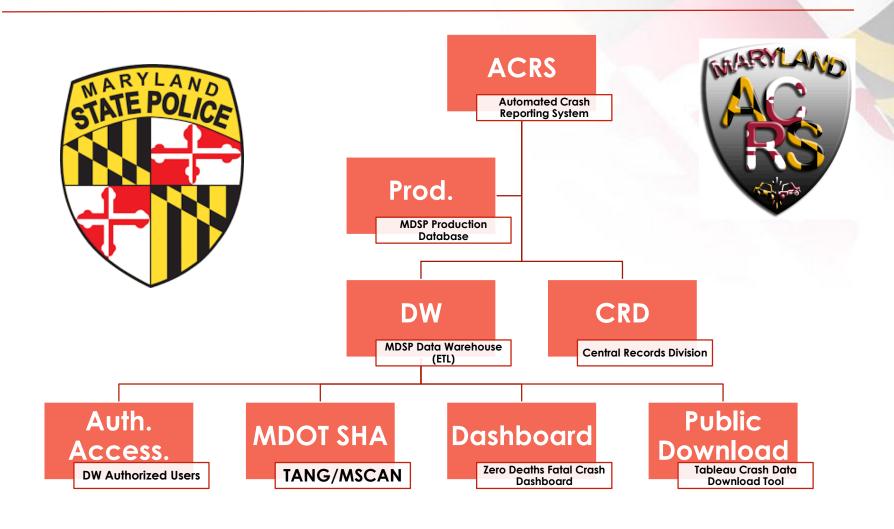




- Driver & Occupant Characteristics
- Non-Motorist Characteristics
- Time/Day/Month/Year
- Location
- Vehicle Characteristics
- Event Characteristics
- Environment
- Contributing Factors



CRASH REPORTS WORKFLOW



ZERODEATHSMD.GOV



NEWS & EVENTS

HOW YOU CAN HELP HIGHWAY SAFETY OFFICE

EVERY CRASH IS PREVENTABLE.

EVERY LIFE COUNTS.

Maryland is dedicated to saving lives and preventing injuries from motor vehicle crashes.

About Us →





ZERODEATHSMD.GOV

Go to: https://zerodeathsmd.gov/resources/crashdata/

Allegany County

Crash Data Summary (2021) 👃

Crash/Crime Clock ...

Problem ID 1

Safety Equipment Use – Fatalities and Injuries (2012 -2021)

Safety Equipment Use – Serious Injuries (2012 -2021)

Baltimore County

COUNTS.

Anne Arundel County

Crash Data Summary (2021) 👃

Crash/Crime Clock 👃

Problem ID 1

Safety Equipment Use – Fatalities and Injuries (2012 -2021)

Safety Equipment Use – Serious Injuries (2012 -2021)

Calvert County

Baltimore City

Crash Data Summary (2021) 👃

Crash/Crime Clock 👃

Problem ID 🕹

Safety Equipment Use – Fatalities and Injuries (2012

-2021)

Safety Equipment Use – Serious Injuries (2012 -2021)

Caroline County

ZERODEATHSMD.GOV

Statewide Data Resources

Crash Summary Report -Statewide (2021)

£

Problem Identification - Statewide (2021)

Crash/Crime Clock - Statewide (2021)

4

Statewide											
Crash Summary											
5 Yea											
	2017	2018	2019	2020	2021	AVG.					
Fatal Crashes	518	485	496	546	524	514					
Injury Crashes	34,664	33,936	32,928	25,352	28,084	30,993					
Property Damage Crashes	80,259	83,626	82,561	69,698	80,048	79,238					
Total Crashes	115,441	118,047	115,985	95,596	108,656	110,745					
Total of All Fatalities	558	512	535	573	563	548					
Total Number Injured	51,391	50,011	48,668	36,777	40,788	45,527					



BENCHMARK REPORTS

2018

13.453

9.546

33,895

28,341

9,720

115

134

500

7,922

14,421

118,047

2019

12.879

9,208

32,883

28,169

9,243

90

129

519

7,740

15,125

115.985

2020

10.614

7,773

26,614

22,908

7,692

66

57

445

5,827

13,600

95,596

2021

12,160

9,215

29,971

25,599

8,265

65

68

457

6,591

16,265

108,656

2017

11.897

9.138

32,519

26.593

10,159

87

107

533

8,167

16.241

115.441

County	2017	2018	2019	$\boldsymbol{2020}$	2021	AVG.	
Allegany	674	673	655	695	802	700	
Anne Arundel	10,496	10,698	10,638	8,557	9,481	9,974	
Baltimore	20,824	22,623	21,701	17,796	20,331	20,655	
Calvert	1,212	1,255	1,124	956	Rout	te Type	
Caroline	477	520	515	465		IS	
Carroll	2,001	2,124	2,109	1,674		US	_
Cecil	1,778	1,912	1,743	1,524		MD CO	\dashv
Charles	2,901	3,070	2,914	2,482		MU	_
Dorchester	572	545	563	517		GV	\dashv
Frederick	3,627	3,759	3,602	2,780		SR	\dashv
Garrett	600	508	542	461		OP	
Harford	3,345	3,511	3,323	2,848	Parking Lots		_
Howard	4,162	4,278	4,125	2,990	Unknown		┩
Kent	187	223	241	210	Total	Crashes	[
Montgomery	14,294	14,239	13,851	9,730	11,186	12,660	
Prince George's	18,422	19,624	20,555	17,149	19,961	19,142	
Queen Anne's	866	765	790	728	780	786	
St. Mary's	1,633	1,800	1,755	1,448	1,681	1,663	
Somerset	250	0.0.0	000	000	900	910	
Somerset	358	326	330	280	298	318	
Talbot	796	923	775	689	801	797	
Talbot	796	923	775	689	801	797	
Talbot Washington	796 2,593	923 2,663	775 2,525	689 2,328	801 2,483	797 2,518	
Talbot Washington Wicomico	796 2,593 2,278	923 2,663 2,262	775 2,525 2,217	689 2,328 1,975	801 2,483 2,142	797 2,518 2,175	



PROFILES: MORE DETAIL (BY REQUEST)

Baltimore Co. - Pedestrians On Foot Involved Crash Profile

Non-Moto	orist	Inform	nation
11011-111011	JIISU	TITIOTIE	iauioii

										1 10
Category	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Fatalities	18	14	21	21	18	19	16	27	21	19
Suspected Serious Injuries	60	53	64	67	51	69	72	62	67	56
Suspected Minor Injuries	154	149	187	201	256	255	177	167	180	138
Possible Injuries	143	155	125	132	130	148	204	186	182	140
Total Injured & Killed	375	371	397	421	455	491	469	442	450	353

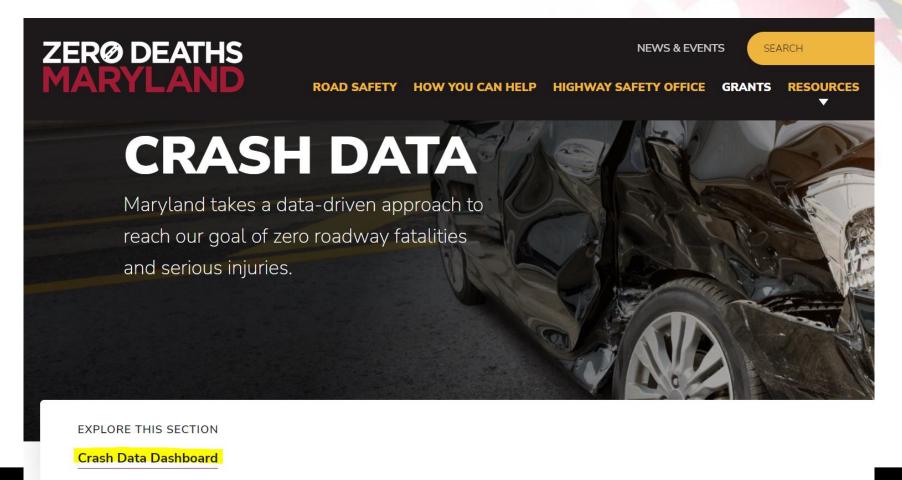
Baltimore Co. - Pedestrians On Foot Involved Crash Profile

Non-Motorist Information

Non-Motorist Location	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Not App.	10	9	8	14	22	11	15	18	23	12
Shoulder	18	27	21	24	18	21	23	26	23	24
Curb	9	7	10	5	11	10	11	11	15	4
Sidewalk	29	15	17	17	23	23	28	24	20	14
Outside Right of Way	10	12	13	14	18	16	16	16	17	9
On Rd. at Crosswalk	80	87	83	80	82	66	74	64	82	59
On Rd. Not at Cross.	235	245	266	241	203	224	199	190	167	155

Non-Motorist Obey Traf. Signal	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Not Applicable	25	15	20	66	169	191	162	159	174	121
No Ped. Signal	325	329	348	317	274	281	258	257	262	191
Obeyed Ped. Signal		22	36	31	27	27	28	16	31	23
Disobeyed Ped. Signal	28	25	29	30	31	18	29	29	22	27

https://zerodeathsmd.gov/resources/crashdata/crashdashboard/



MARYLAND

- Launched April 12, 2023
 - Maryland Highway Safety Summit.
- Source: MDSP Data Warehouse (ACRS).
- Platform: Tableau.
- Updated every morning.

Data Last Updated: 7/19/2023 3:01:26 AM

- Years available: 2016 to current.
- Includes open reports/ open investigations.
- No personally identifiable information (PII).



Definitions

FAQs

Demo Video

♠ HOME / RESOURCES / CRASH DATA

CRASH DATA DASHBOARD

Maryland takes a data-driven approach to reach our goal of zero roadway fatalities and serious injuries.

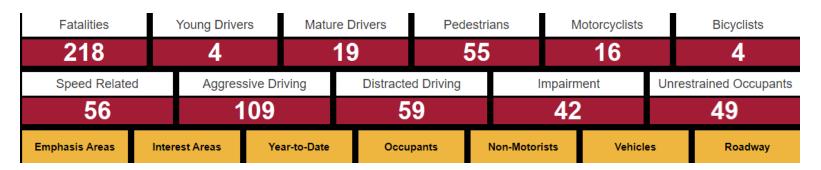
EXPLORE THIS SECTION

Dashboard Data Definitions

Dashboard FAQ

Dashboard Demo Video

- Sub-dashboards and features:
 - Strategic Highway Safety Plan (SHSP) Emphasis Areas
 - Statewide and Jurisdictional Fatalities
 - Interest Areas
 - Year-to-Date
 - Occupants (Drivers and Passengers)
 - Non-Motorists
 - Vehicles
 - Roadways



FAQS



What is the source of the data?



How can I obtain the data in this dashboard?

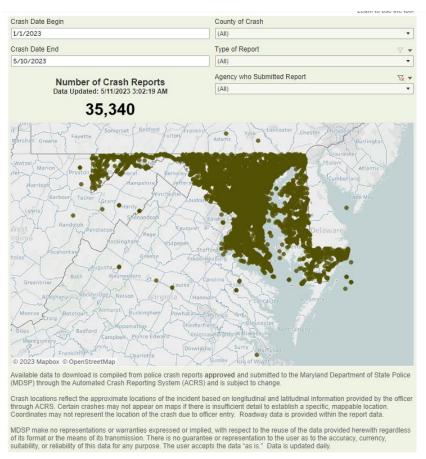
Requests for crash data should be directed to the <u>Central Records Division of the Maryland State Police</u>. Additionally, you may download crash data from the <u>MDSP Crash Data Download application</u>.

How do I request a report for a specific crash?



MDSP CRASH DATA DOWNLOAD

https://mdsp.maryland.gov/Pages/Dashboards/CrashDataDownload.aspx

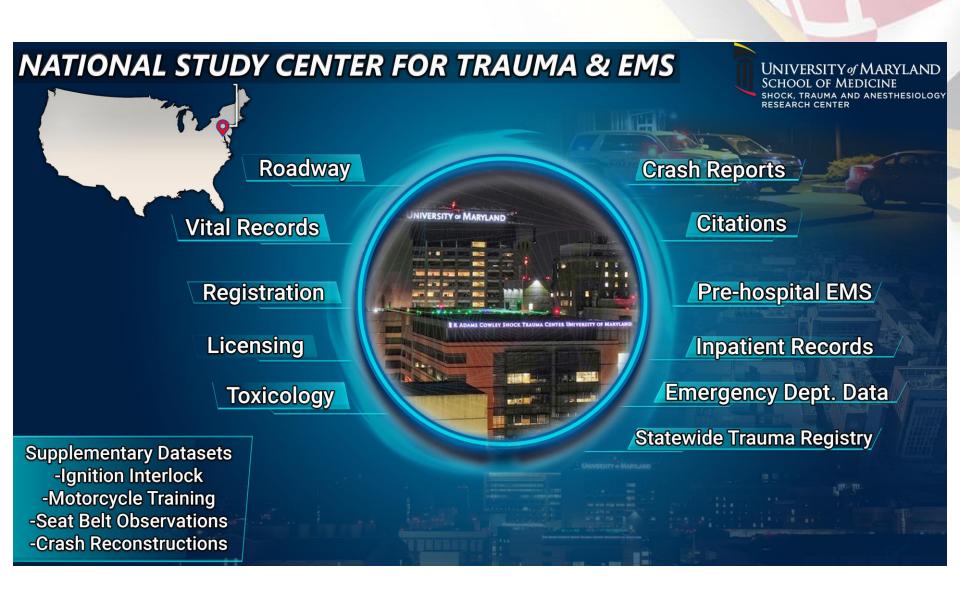


- Years available:
 - 2018 year-to-date.
- Data subject to, and will, change.
 - Officer report updates; record updates.
 - Updated every morning.
 - Only approved reports.

NATIONAL STUDY CENTER RESOURCES

- Crash Outcome Data Evaluation System (CODES)
- Online data request form
- Standard reports (e.g., crash/crime clocks)
- Ad hoc inquiries
- In-depth analysis, e.g.,
 - Ignition Interlock
 - Pedestrian 360-degree
 - Pedestrian/Bicyclist Fatality Review
- Data Coordination for the SHSP Emphasis Area Teams
- Experts in epidemiology, statistics, traffic records, data collection and quality...and more







tinyurl.com/MCTSAdatarequest

The National Study Center for Trauma and EMS

Back to MCTSA Home.

MCTSA DATA REQUEST FORM

Your request is very important to us. We provide the following format only as a guide in helping us expedite your request as quickly and efficiently as possible using Maryland Data. Please help us by providing us with as much detail about your request as possible. Data requests may take up to 15 business days to be completed. Thank you.

(*) Indicates a required field, a response must be included in order to submit the form.

1. (*) Please enter the requested due date for this data request:



Data Requests require a minimum of 15 business days to be completed. Please plan your request accordingly.

2. (*)	Please	provide	us with	the	following	information	so that	we	may	service	your	request	:
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Name:

Company Name:

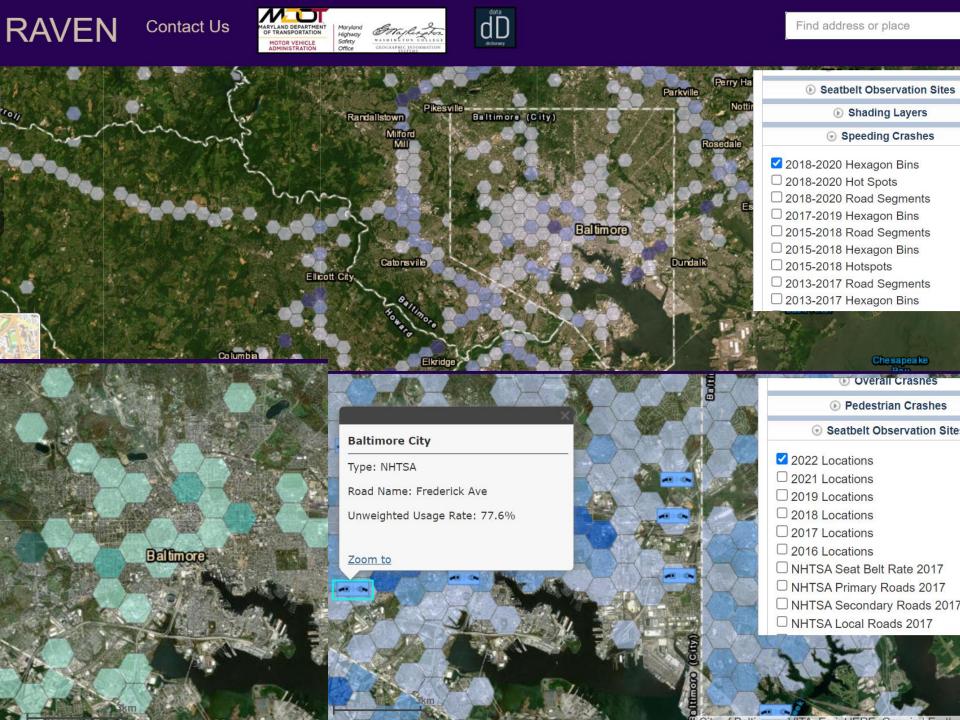
WASHINGTON COLLEGE

- Geospatial traffic safety analysis
- Risk-terrain analysis, alcohol-impaired drivers
- Data improvements, crash and citation
- Statewide liquor license database
- SPIDRE support
- Online mapping tool > RAVEN
 - Risk Analysis Vehicle Environment Network
- Support of SHSP EATs
- GIS Training



RAVEN - WASHINGTON COLLEGE

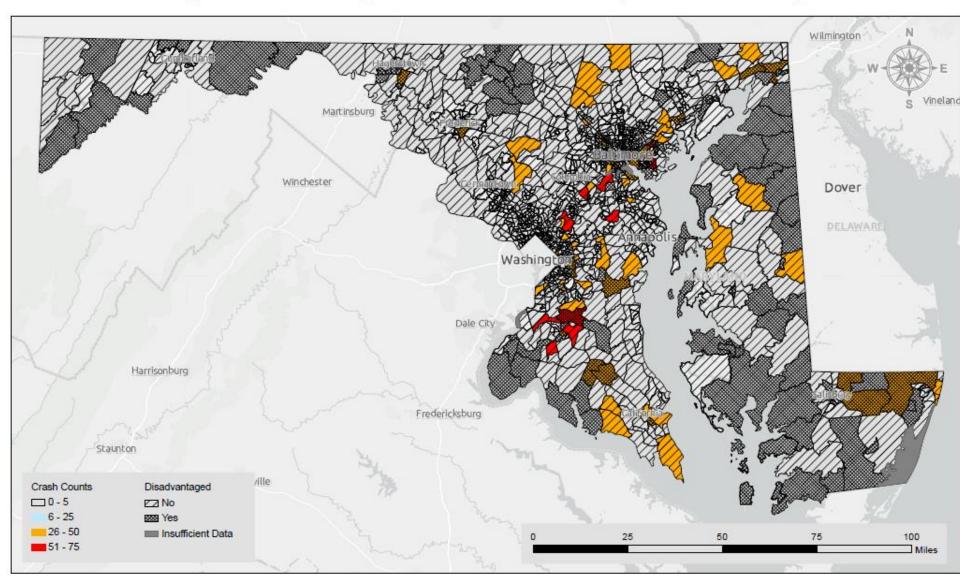




NEW: MHSO EQUITY MODEL (2023)

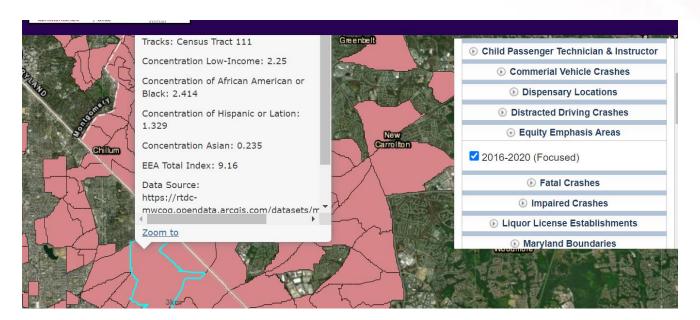
	#	COMPONENT	SCORE Stratified by Rural/Urban Area
OMIC	1	POVERTY Percent of population with income less than 200% of federal poverty guidelines.	1=If greater than THRESHOLD for MD 0=otherwise
SOCIO-ECONOMIC DISADVANTAGE	2	RACE Percent non-white population.	1=If greater than THRESHOLD for MD 0=otherwise
SOCIC	3	RISK (alcohol density): Number of liquor licenses per 10K population.	1=If greater than THRESHOLD for MD 0=otherwise
[Y	4	CRASHES Annual number of injury crashes (KABCO 2 through 5).	1=If greater than THRESHOLD for MD 0=otherwise
SPORTATION SAFETY DISADVANTAGE	5	TRAFFIC VIOLATIONS (Citations) Annual number of traffic stops with moving violations. Use offender's zip code – where they live as opposed to where the offense occurs.	1=If greater than THRESHOLD for MD 0=otherwise
TRANSPORTATION DISADVANTA	6	YOUNGER AND OLDER DRIVERS A. Number of drivers 20 and younger. B. Number of drivers 65 and older.	A. 0.5=If greater than THRESHOLD for MD 0=otherwise B. 0.5=If greater than THRESHOLD for MD 0=otherwise

Maryland Fatal and Suspected Serious Injury Crashes by Disadvantaged Census Tracts (2017 to 2021)



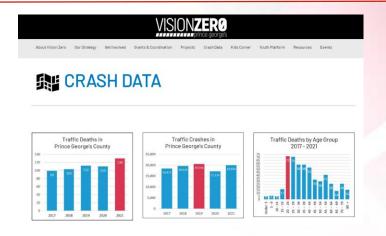
RAVEN 2.0 (2023-2024)

- Public Application(s)
- Equity Map Application
 - Online Risk Indicator Outcomes at Locations for Equity (ORIOLE)
- Trainings/Demonstrations

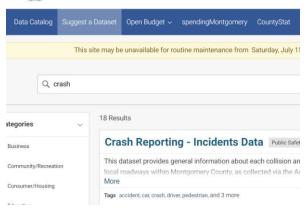


OTHER LOCAL EXAMPLES

 Prince George's County Vision Zero







- Montgomery County
 Open Data
- Montgomery County Vision Zero



H. O. O.

