

MARYLAND SCHOOLS TRANSPORTATION SAFETY STUDY

CRASHES

AUG 15TH TO JUNE 15TH

2016 TO 2020

PRODUCT SENT TO:

MARYLAND CENTER for SCHOOL SAFETY

WASHINGTON COLLEGE GIS PROGRAM

210 S. CROSS ST. SUITE 101
CHESTERTOWN, MARYLAND 21620
(410) 810-5034
WC_MHSO@WASHCOLLEU

LIST OF PRODUCTS

- PG. 3 TRANSPORTATION SAFETY STUDY PREFACE
- PG. 4 OVERALL CRASH STATISTICS (INFOGRAPHIC)
- PG. 5 BICYCLE CRASH STATISTICS (INFOGRAPHIC)
- PG. 6 PEDESTRIAN CRASH STATISTICS (INFOGRAPHIC)
- PG. 7 SCHOOL BUS TRAFFIC ARTICLES DESCRIPTIONS AND COUNTS
- PG. 8 SCHOOL BUS CITATION STATISTICS (INFOGRAPHIC)
- PG. 9 ALLEGANY COUNTY CRASH ANALYSIS (MAP)
- PG. 10 ANNE ARUNDEL COUNTY CRASH ANALYSIS (MAP)
- PG. 11 BALTIMORE COUNTY CRASH ANALYSIS (MAP)
- PG. 12 BALTIMORE CITY CRASH ANALYSIS (MAP)
- PG. 13 CALVERT COUNTY CRASH ANALYSIS (MAP)
- PG. 14 CAROLINE COUNTY CRASH ANALYSIS (MAP)
- PG. 15 CARROLL COUNTY CRASH ANALYSIS (MAP)
- PG. 16 CECIL COUNTY CRASH ANALYSIS (MAP)
- PG. 17 CHARLES COUNTY CRASH ANALYSIS (MAP)
- PG. 18 DORCHESTER COUNTY CRASH ANALYSIS (MAP)
- PG. 19 FREDERICK COUNTY CRASH ANALYSIS (MAP)
- PG. 20 GARRETT COUNTY CRASH ANALYSIS (MAP)
- PG. 21 HARFORD COUNTY CRASH ANALYSIS (MAP)
- PG. 22 HOWARD COUNTY CRASH ANALYSIS (MAP)
- PG. 23 KENT COUNTY CRASH ANALYSIS (MAP)
- PG. 24 MONTGOMERY COUNTY CRASH ANALYSIS (MAP)
- PG. 25 PRINCE GEORGE'S COUNTY CRASH ANALYSIS (MAP)
- PG. 26 QUEEN ANNE'S COUNTY CRASH ANALYSIS (MAP)
- PG. 27 SOMERSET COUNTY CRASH ANALYSIS (MAP)
- PG. 28 ST. MARY'S COUNTY CRASH ANALYSIS (MAP)
- PG. 29 TALBOT COUNTY CRASH ANALYSIS (MAP)
- PG. 30 WASHINGTON COUNTY CRASH ANALYSIS (MAP)
- PG. 31 WICOMICO COUNTY CRASH ANALYSIS (MAP)
- PG. 32 WORCESTER COUNTY CRASH ANALYSIS (MAP)
- PG. 33 COUNTIES RANKED BY OVERALL CRASHES (INFOGRAPHIC)
- PG. 34 COUNTIES RANKED BY BICYCLE CRASHES (INFOGRAPHIC)
- PG. 35 COUNTIES RANKED BY PEDESTRIAN CRASHES (INFOGRAPHIC)
- PG. 36 APPENDIX
- PG. 39 MOTOR CARRIER REGULATIONS AND TRAFFIC ARTICLES -
ADDITIONAL CITATION CODES, DESCRIPTIONS AND COUNTS

TRANSPORTATION SAFETY

STUDY PREFACE

The Maryland Schools Traffic Safety Study identifies the vehicular crashes that occurred within a one-mile radius of the 1,449 public schools that were in service during at least one, or all years in the study. Crashes identified may not be related in any way to the school and the one-mile study area encompasses roadways that include highway and arterials with high speeds and significant injury outcomes. The density of schools is highly related to population densities and daily traffic, thus this study is inclusive of a high proportion of crashes geographically that may or may not have any relation to a public school.

Analysis Notes: Some public schools are situated within the one-mile radius from one another, these crashes are displayed in each individual school one-mile circle for identification of school level need for any additional analysis or further identification of resolutions for the school area. Crash counts listed in tables, charts and other non-mapping visualizations are actual individual crash counts for the topic they represent.



Overall Crash Statistics (2016 to 2020)

Out of the Total Overall Crashes:



0.66%

of Crashes Within Maryland Involved **Bicycles**

(All dates and times)



2.61%

of Crashes Within Maryland Involved **Pedestrians**

564,112

Total Crashes Within Maryland

389,433

Overall Crashes Within One Mile of Public Schools

1,449

Public Schools

Total Overall Crashes Within One Mile of Public Schools Involving a **School Age Person:**

80,432

Total Overall Crashes Within One Mile of Public Schools Involving a **School Age Driver:**

43,656

Total Overall Crashes Within One Mile of Public Schools Involving a **School Age Occupant:**

30,153

School Age Person: Person Between Age 3 - 19

Within One Mile of Public Schools:

Top Hour: 5 PM - 6 PM (29,295 Crashes)

Top Day: Friday (62,950 Crashes)

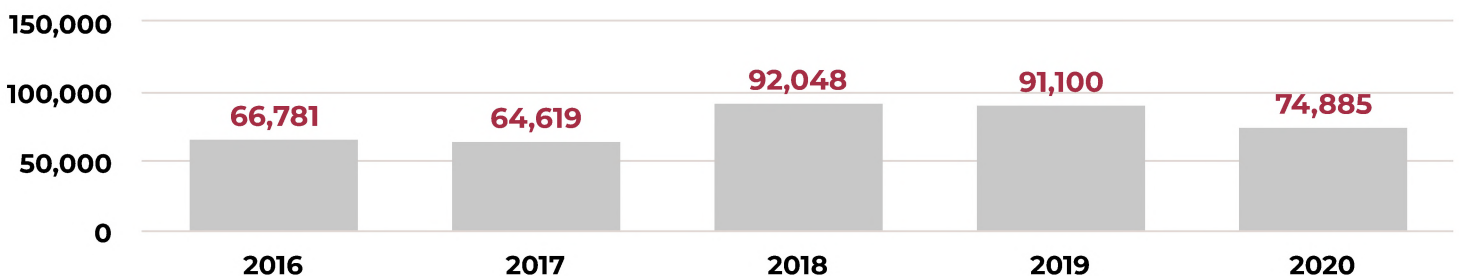
Top Month: October (36,125 Crashes)

Person Report Count for Crashes Within One Mile Radius of a School by Year

Year	(K) Fatal	(A) Suspected Serious Injury	(B) Suspected Minor Injury	(C) Possible Injury	(O) No Apparent Injury
2016	260	1,734	14,931	14,336	136,231
2017	318	1,910	10,258	18,928	134,760
2018	310	2,233	12,211	24,545	194,327
2019	309	2,187	12,413	23,384	193,079
2020	338	1,871	9,603	17,140	150,817
Total	1,535	9,935	59,416	98,333	809,214

The Maryland Schools Traffic Safety Study identifies the vehicular crashes that occurred within a one-mile radius of the 1,449 public schools that were in service during at least one, or all years in the study. Crashes identified may not be related in any way to the school and the one-mile study area encompasses roadways that include highway and arterials with high speeds and significant injury outcomes. The density of schools is highly related to population densities and daily traffic, thus this study is inclusive of a high proportion of crashes geographically that may or may not have any relation to a public school.

Reported Crashes Within One Mile Radius of a School by Year

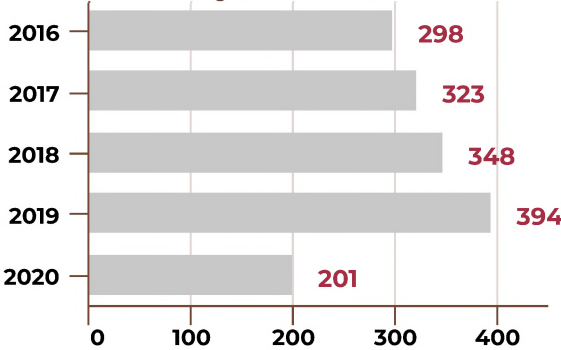


Sources: Washington College GIS Program, State Highway Administration
Data Notes: Total Crashes include all dates and times, one mile of a school is determined by a one mile radius, school hours refers to 6 AM to 6 PM, school age person is defined as 3-19 years of age by MCSS. Crash counts in the one-mile study area are inclusive of all road types (including IS, MD, US, and other high-speed roadways) in high density (traffic, population) areas.

Bicycle Crash Statistics (2016 to 2020)

Crashes by Year

Within One Mile of Public Schools during School Hours / Dates



3,723

Total Bicycle Crashes Within Maryland

2,884

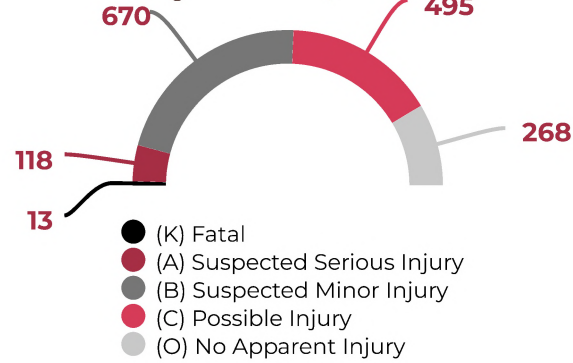
Bicycle Crashes Within One Mile of Public Schools

1,564

Bicycle Crashes Within One Mile of Public Schools during School Hours

Injury Severity

Within One Mile of Public Schools during School Hours / Dates



Total Bicycle Crashes Within One Mile of Public Schools Involving a **School Age Driver** During School Hours:

32

School Age Person: Age 3 - 19

Total Bicycle Crashes Within One Mile of Public Schools Involving a **School Age Occupant** During School Hours:

12

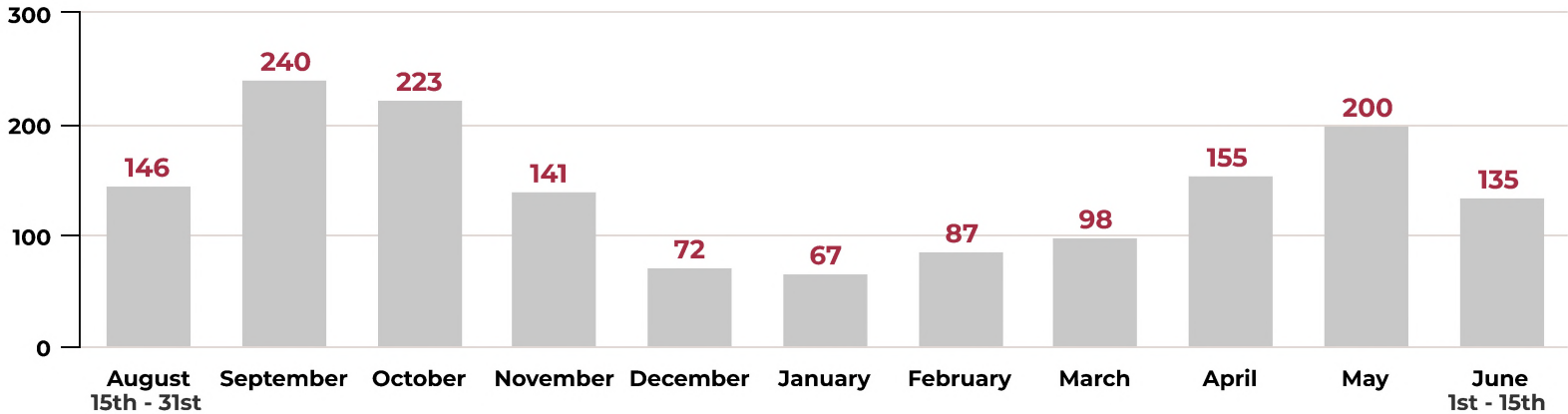
School Hours: 6 AM and 6 PM & during the period of August 15th - June 15th

Total Bicycle Crashes Within One Mile of Public Schools Involving a **School Age Cyclist** During School Hours:

270

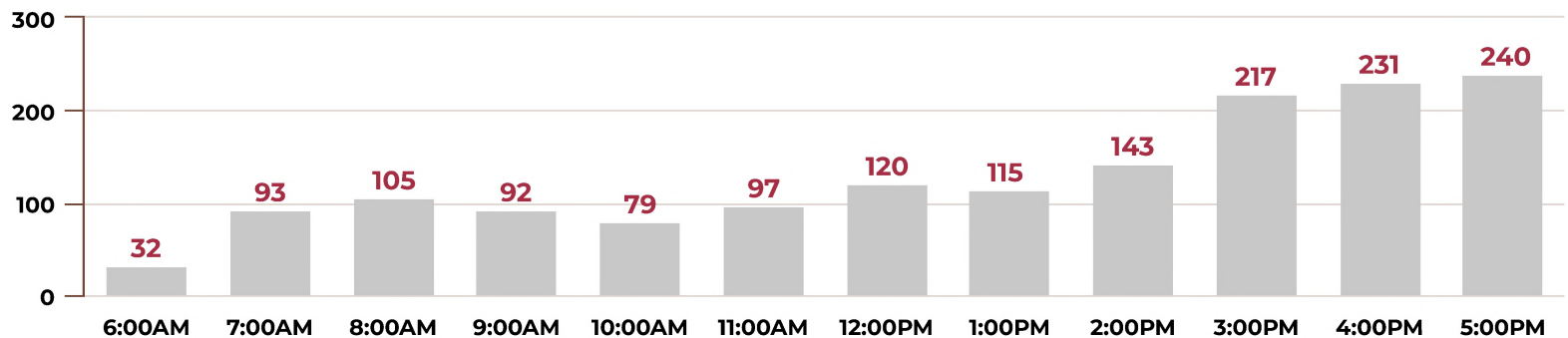
Reported Crashes by Month

Within One Mile of Public Schools during School Hours



Reported Crashes by Hour

Within One Mile of Public Schools during School Hours

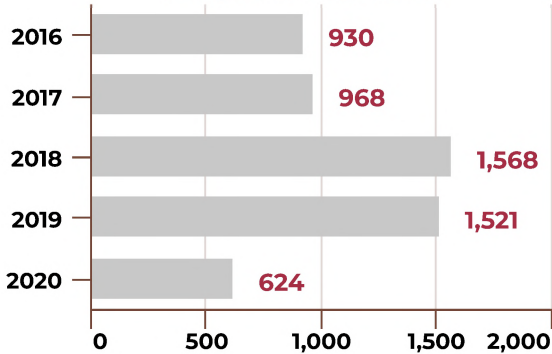


Sources: Washington College GIS Program, State Highway Administration
Data Notes: Total Crashes include all dates and times, one mile of a school is determined by a one mile radius, school hours refers to 6 AM to 6 PM, school age person is defined as 3-19 years of age by MCSS. Crash counts in the one-mile study area are inclusive of all road types (including IS, MD, US, and other high-speed roadways) in high density (traffic, population) areas.

Pedestrian Crash Statistics (2016 to 2020)

Crashes by Year

Within One Mile of Public Schools during School Hours / Dates



14,751

Total Pedestrian Crashes Within Maryland

10,845

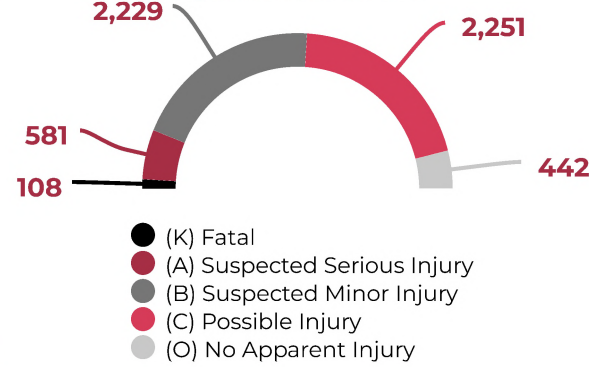
Pedestrian Crashes Within One Mile of Public Schools

5,611

Pedestrian Crashes Within One Mile of Public Schools during School Hours

Injury Severity

Within One Mile of Public Schools during School Hours / Dates



Total Pedestrian Crashes Within One Mile of Public Schools Involving a **School Age Driver** During School Hours:

81

School Age Person: Age 3 - 19

Total Pedestrian Crashes Within One Mile of Public Schools Involving a **School Age Occupant** During School Hours:

44

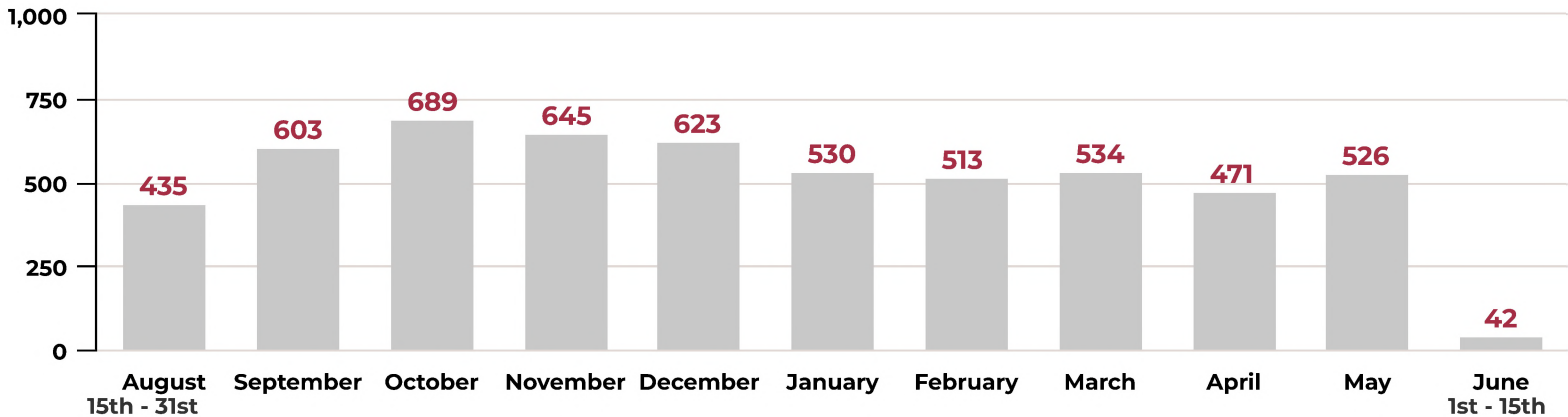
School Hours: 6 AM and 6 PM & during the period of August 15th - June 15th

Total Pedestrian Crashes Within One Mile of Public Schools Involving a **School Age Pedestrian** During School Hours:

394

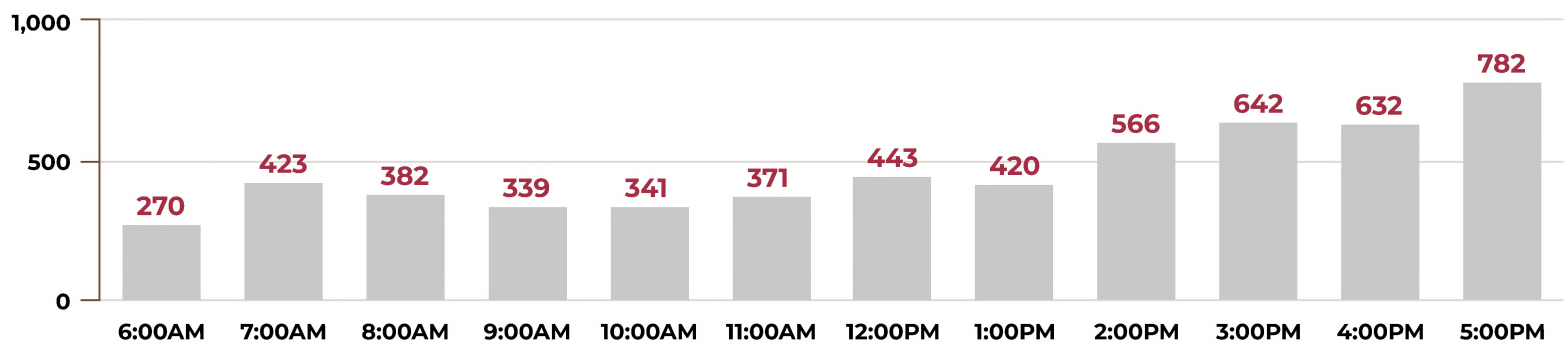
Reported Crashes by Month

Within One Mile of Public Schools during School Hours



Reported Crashes by Hour

Within One Mile of Public Schools during School Hours



Sources: Washington College GIS Program, State Highway Administration
Data Notes: Total Crashes include all dates and times, one mile of a school is determined by a one mile radius, school hours refers to 6 AM to 6 PM, school age person is defined as 3-19 years of age by MCSS. Crash counts in the one-mile study area are inclusive of all road types (including IS, MD, US, and other high-speed roadways) in high density (traffic, population) areas.



Charge Codes and Descriptions for School Bus Driver and School Bus Related Citations (2016 to 2020)



(Citation counts do not include automated stop arm camera citations)

Charge Code and Written Description	Count of Identified Citations
<u>School Bus Driver Moving Violations</u>	
TA 21-1118(A) - Driving School Bus onto roadway without stopping to determine danger	0
TA 16-816(A) - Driving School Vehicle without appropriate medical certificate or license endorsement	0
*School Bus Moving Violations were issued under other Traffic Article codes - The additional traffic articles and counts are listed in the Appendix	618
<u>School Bus Driver Non-Moving Violations</u>	
TA 21-1118(C) - Responsible school bus person permitting excessive pupil standees	0
TA 21-1118(D) - Responsible school bus person permitting pupil standees when bus not properly equipped	0
TA 21-1118(E) - Responsible school bus person permitting pupil standees in front of bus	0
TA 21-1118(F) - Responsible school bus person permitting pupil to operate front door mechanism in non-emergency	0
TA 21-1118(G) - Responsible school bus person requiring pupil to sit on floor of bus	0
TA 21-1118(H) - Unauthorized occupancy of school bus during fueling	0
*School Bus non-moving violations were issued under Motor Carrier Regulations (MR) codes - The additional motor carrier regulations and counts are listed in the Appendix	271
<u>Other Driver School Bus Related Violations</u>	
TA 21-706(A) - Failure to stop for stopped school vehicle operating alternately flashing red lights	2,620
TA 21-706(B) - Failure to remain stopped for stopped school vehicle operating alternately flashing red lights	373

Sources: Washington College GIS Program, Maryland District and Judiciary Courts

Data Notes: Total Citations include all dates and times, one mile of a school is determined by a one mile radius, school hours refers to 6 AM to 6 PM, school age person is defined as 3-19 years of age by MCSS. Crash counts in the one-mile study area are inclusive of all road types (including IS, MD, US, and other high-speed roadways) in high density (traffic, population) areas.



Citations Issued to Vehicle Drivers for School Bus Infractions (2016 to 2020)**

(Citation counts do not include automated stop arm camera citations)

TA 21-706(A)

TA 21-706(B)

Jurisdiction	Count
Allegany County	9
Anne Arundel County	267
Baltimore County	279
Calvert County	16
Caroline County	6
Carroll County	141
Cecil County	26
Charles County	160
Dorchester County	7
Frederick County	36
Garrett County	18
Harford County	316
Howard County	85
Kent County	3
Montgomery County	451
Prince George's County	401
Queen Anne's County	5
St Mary's County	96
Somerset County	12
Talbot County	12
Washington County	54
Wicomico County	151
Worcester County	67
Baltimore City	2
Total Citations	2,620

Jurisdiction	Count
Allegany County	1
Anne Arundel County	22
Baltimore County	37
Calvert County	6
Caroline County	5
Carroll County	23
Cecil County	5
Charles County	9
Dorchester County	2
Frederick County	11
Garrett County	0
Harford County	23
Howard County	10
Kent County	1
Montgomery County	49
Prince George's County	135
Queen Anne's County	0
St Mary's County	6
Somerset County	4
Talbot County	1
Washington County	3
Wicomico County	13
Worcester County	5
Baltimore City	2
Total Citations	373

TA 21-706(A): Failure to stop for a stopped school vehicle operating flashing red light

TA 21-706(B): Failure to remain stopped for a stopped school vehicle operating alternately flashing red lights

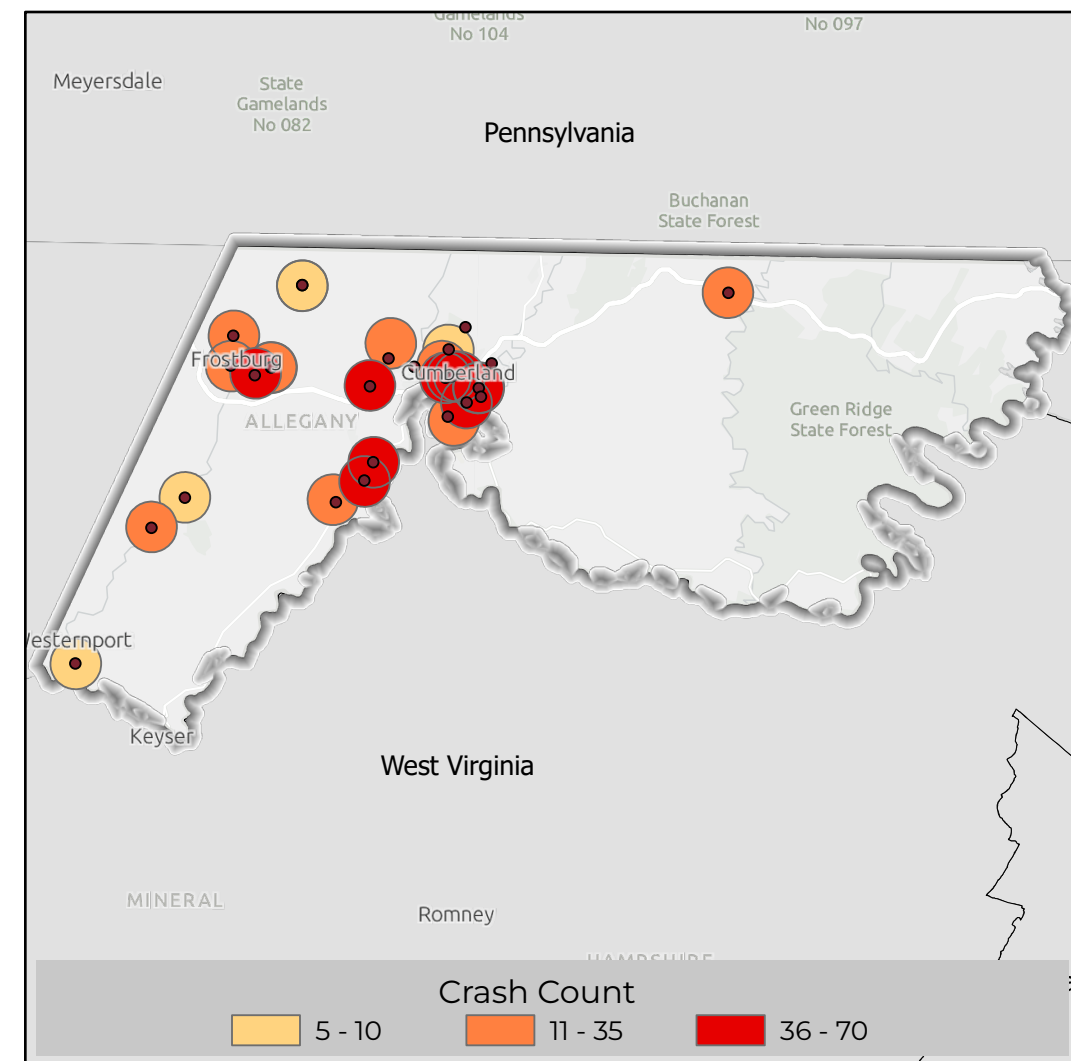
Sources: Washington College GIS Program, Maryland District and Judiciary Courts

Data Notes: Total Citations include all dates and times, one mile of a school is determined by a one mile radius, school hours refers to 6 AM to 6 PM, school age person is defined as 3-19 years of age by MCSS. Crash counts in the one-mile study area are inclusive of all road types (including IS, MD, US, and other high-speed roadways) in high density (traffic, population) areas.

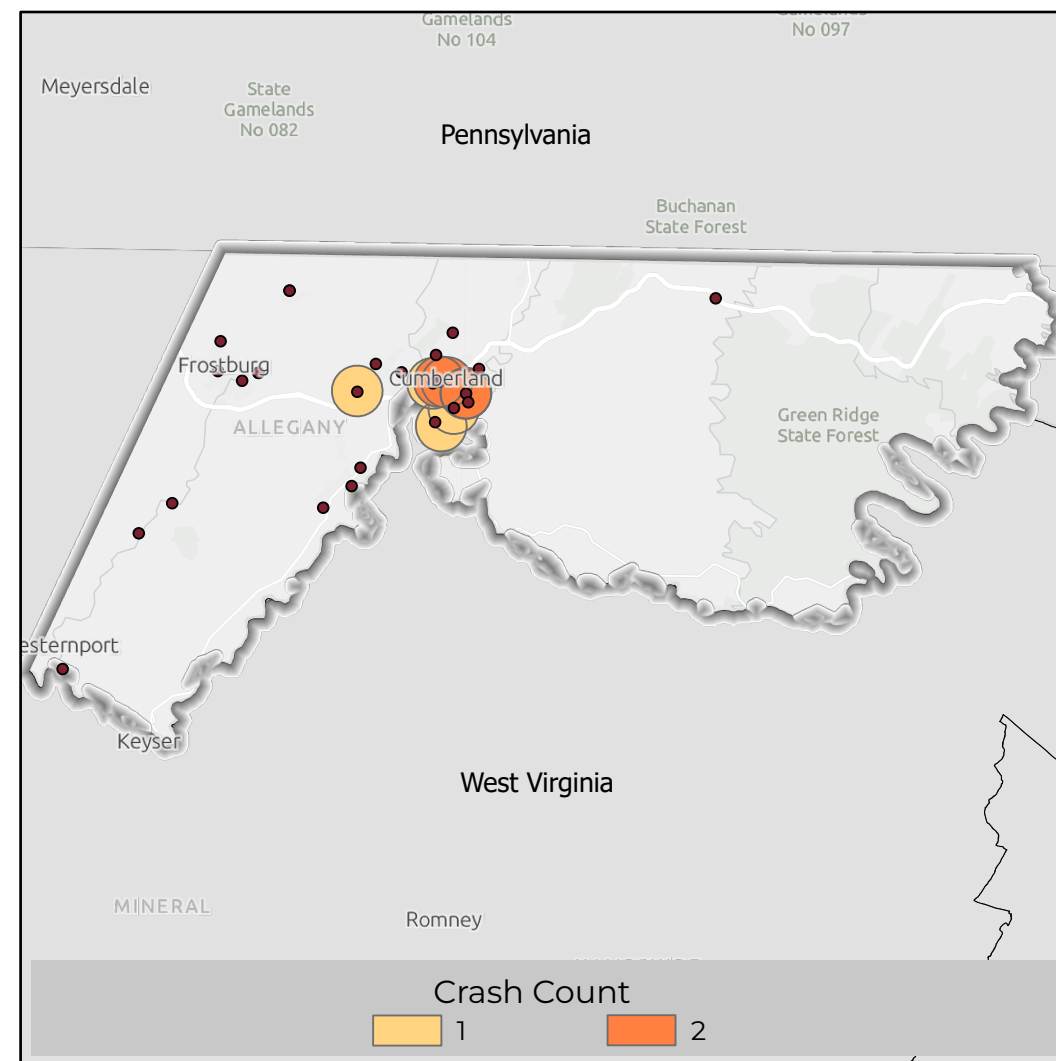
MARYLAND CENTER for SCHOOL SAFETY

Allegany County

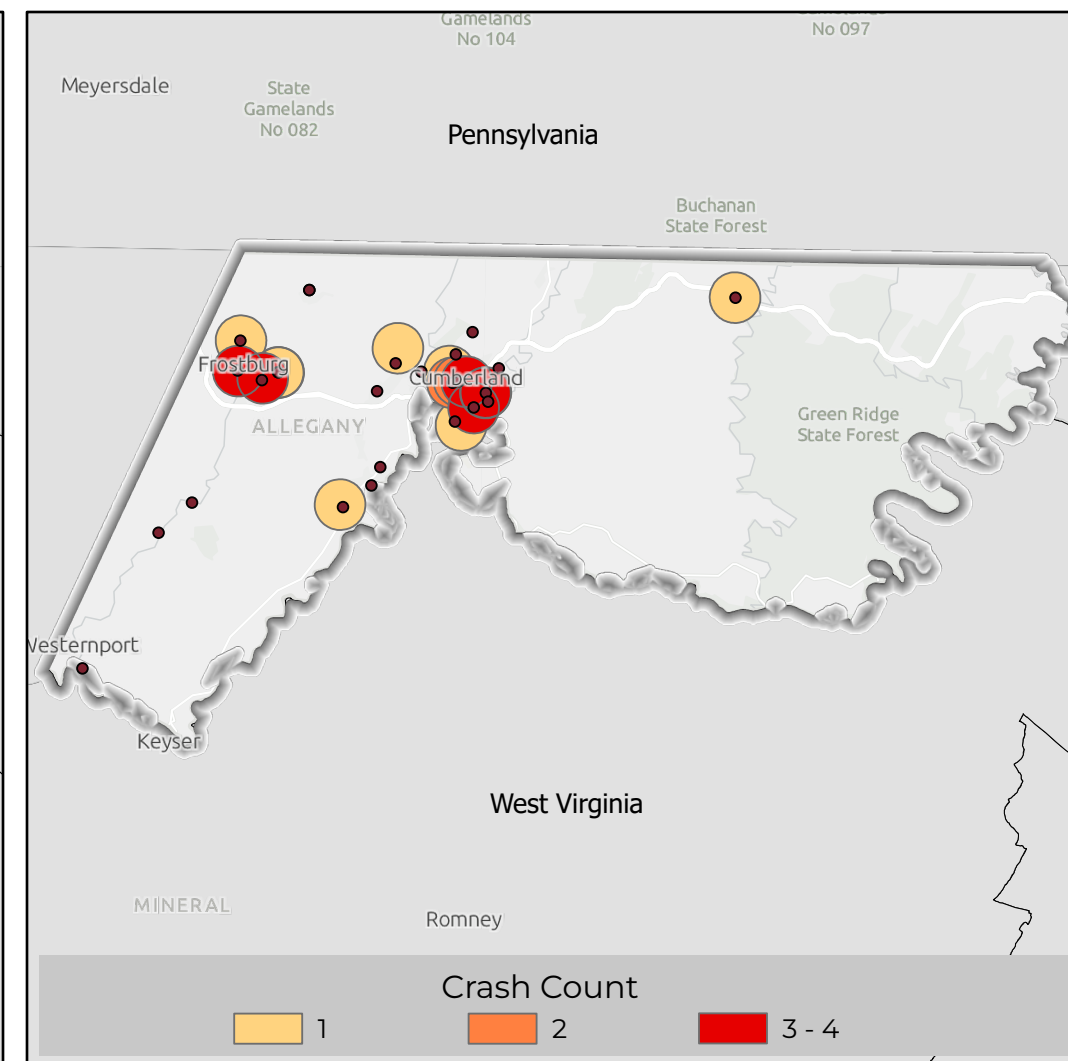
Transportation Safety Study (2016 to 2020 Crash Data)



Overall Crashes

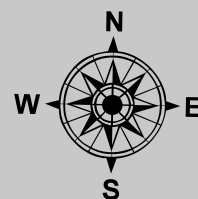


Bicycle Involved Crashes



Pedestrian Involved Crashes

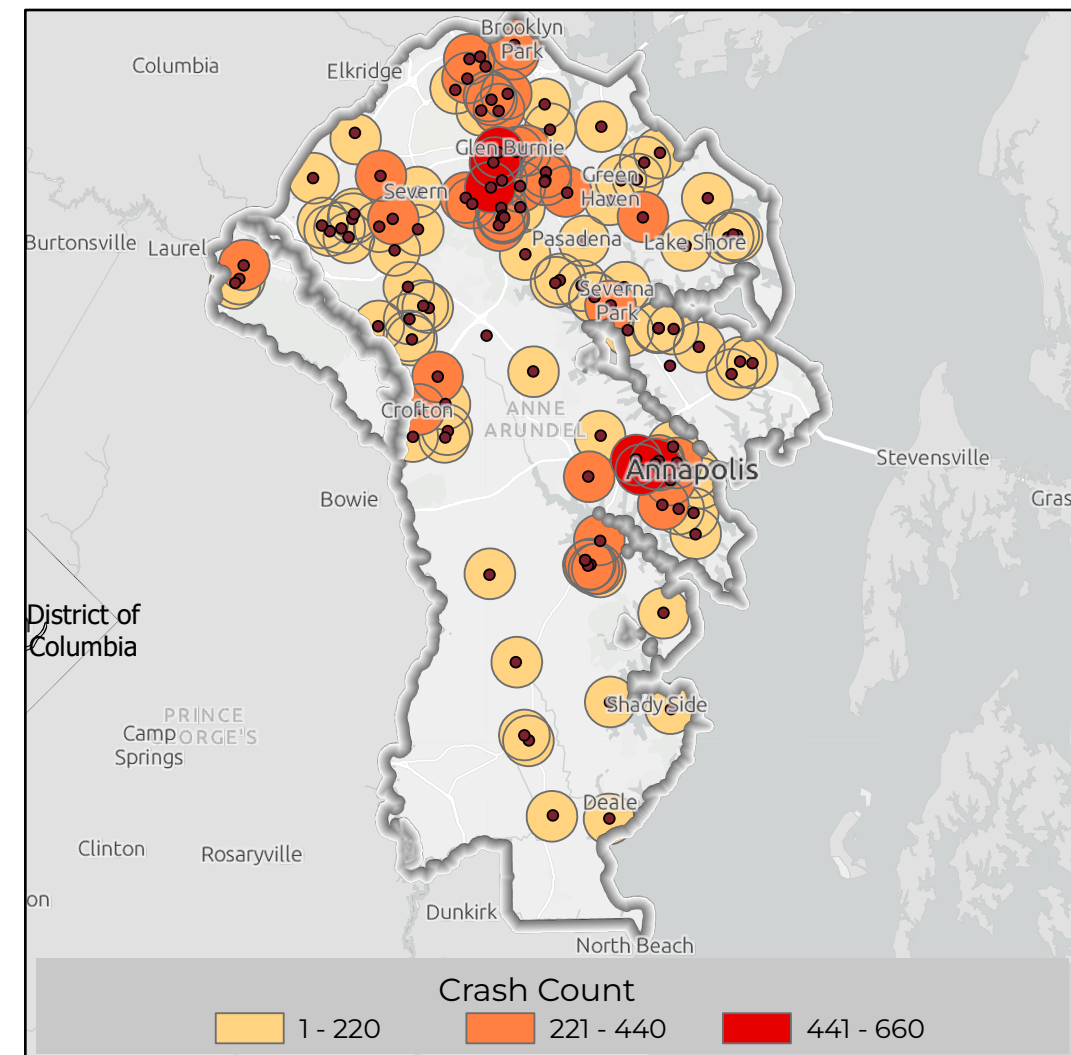
Total Crashes Within One Mile of Public Schools:	1,435	Total Crashes Involving a Bicycle Within One Mile of Public Schools:	3	Total Crashes Involving a Pedestrian Within One Mile of Public Schools:	13
Total Crashes Within One Mile of a Public School Involving a School Age Person:	373	Total Bicycle Crashes Involving a School Age Driver during School Hours:	1	Total Pedestrian Crashes Involving a School Age Driver during School Hours:	0
Total Crashes Within One Mile of a Public School involving a School Age Driver:	293	Total Bicycle Crashes Involving a School Age Occupant during School Hours:	0	Total Pedestrian Crashes Involving a School Age Occupant during School Hours:	0
Total Crashes Within One Mile of a Public School Involving a School Age Occupant:	77	Total Bicycle Crashes Involving a School Age Cyclist during School Hours:	0	Total Pedestrian Crashes Involving a School Age Pedestrian during School Hours:	1



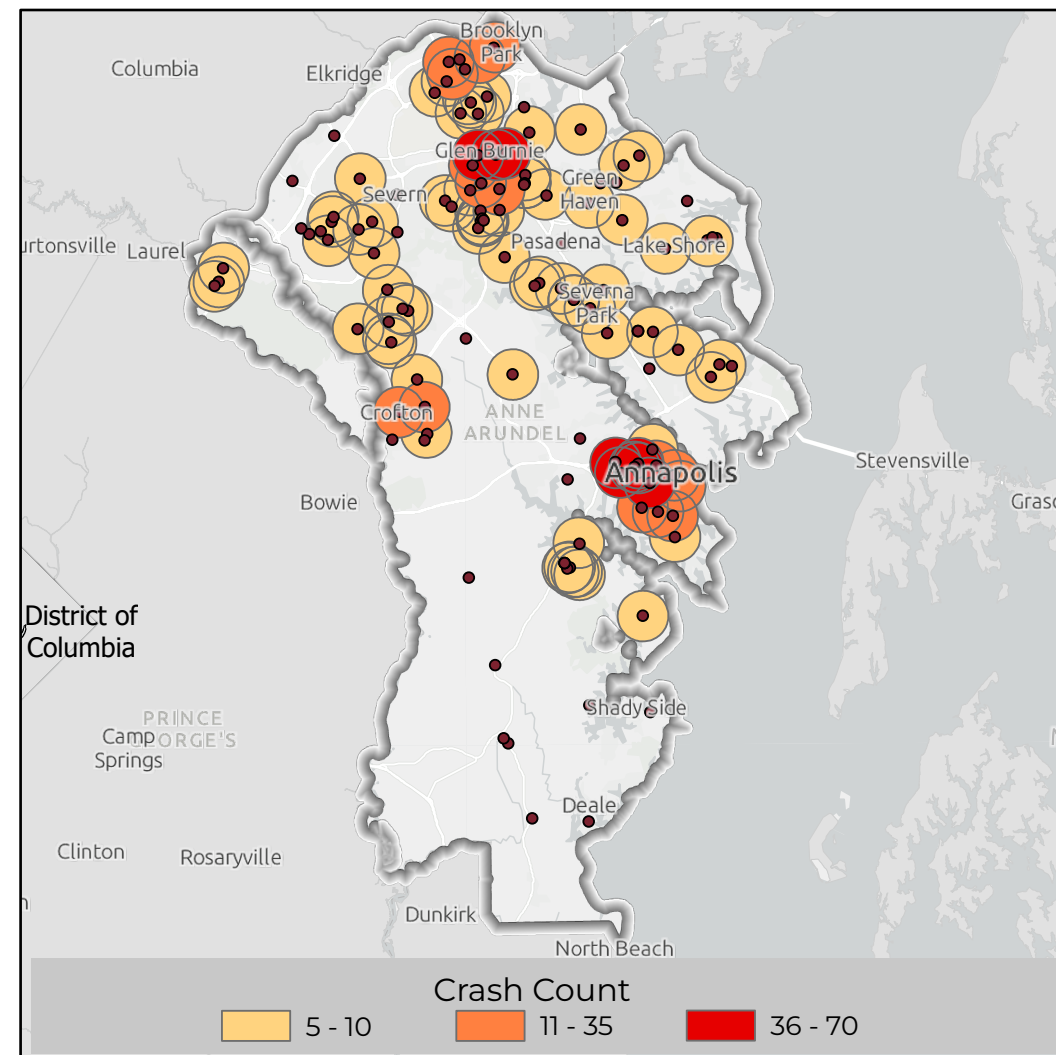
MARYLAND CENTER for SCHOOL SAFETY



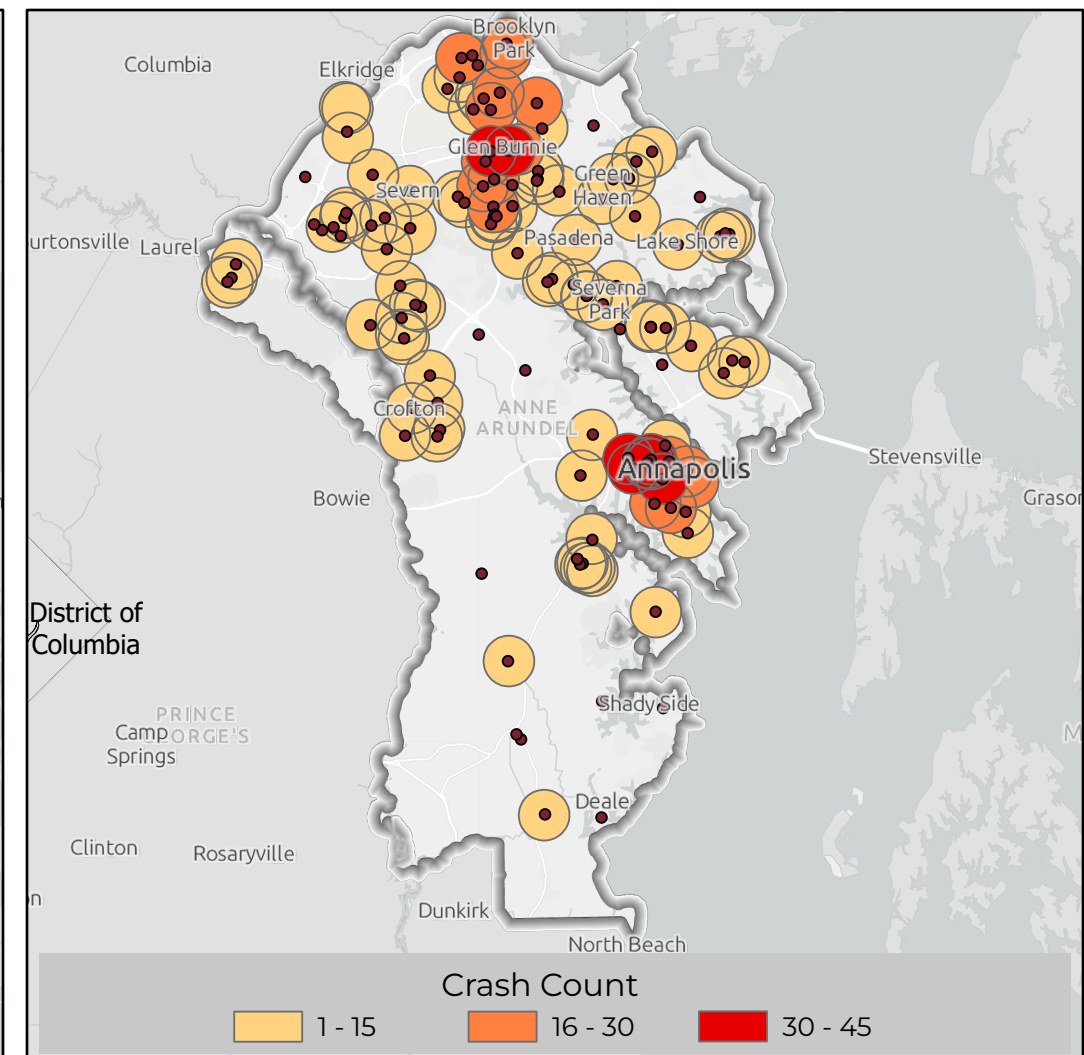
Transportation Safety Study (2016 to 2020 Crash Data)



Overall Crashes

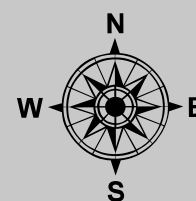


Bicycle Involved Crashes



Pedestrian Involved Crashes

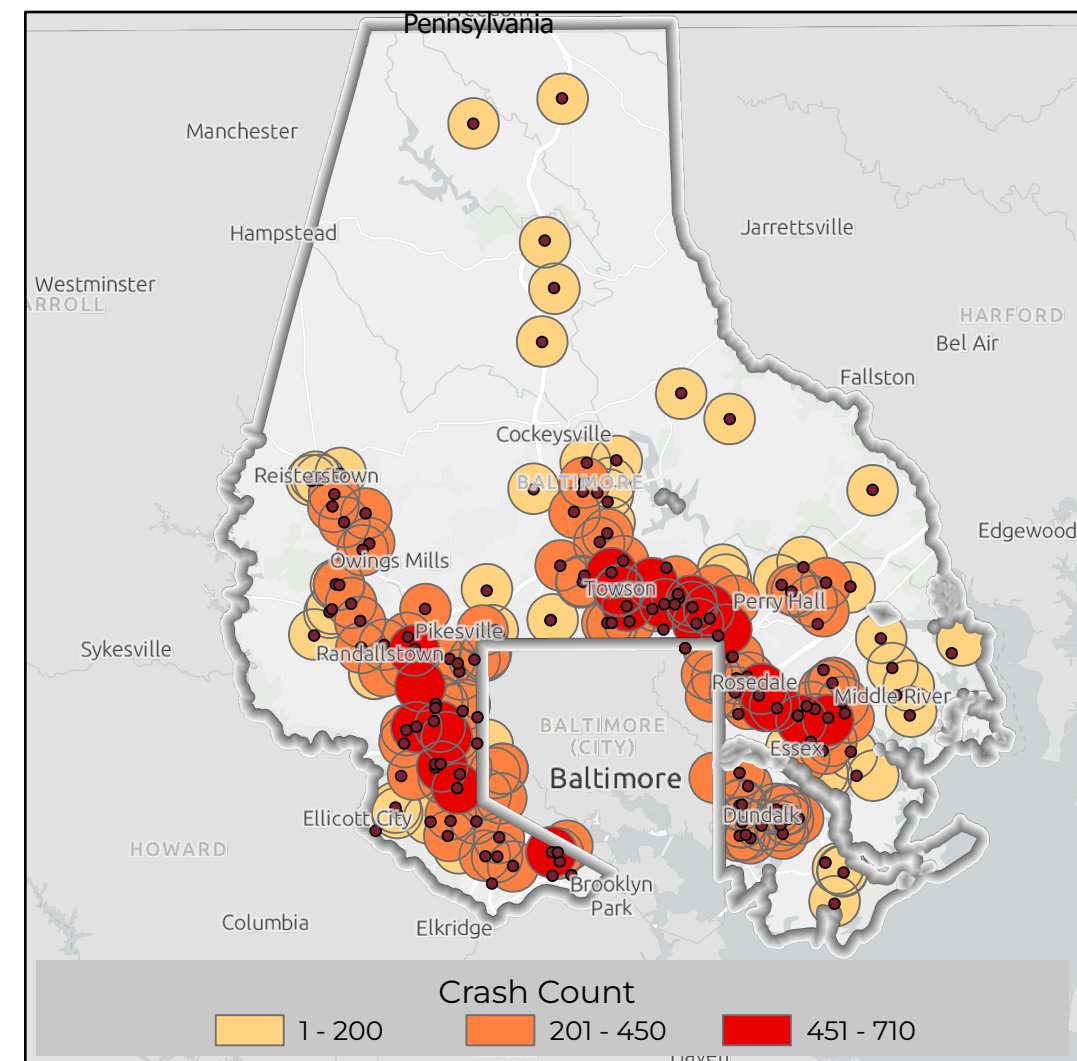
Total Crashes Within One Mile of Public Schools:	36,072	Total Crashes Involving a Bicycle Within One Mile of Public Schools:	305	Total Crashes Involving a Pedestrian Within One Mile of Public Schools:	747
Total Crashes Within One Mile of a Public School Involving a School Age Person:	9,536	Total Bicycle Crashes Involving a School Age Driver during School Hours:	1	Total Pedestrian Crashes Involving a School Age Driver during School Hours:	0
Total Crashes Within One Mile of a Public School involving a School Age Driver:	6,129	Total Bicycle Crashes Involving a School Age Occupant during School Hours:	0	Total Pedestrian Crashes Involving a School Age Occupant during School Hours:	0
Total Crashes Within One Mile of a Public School Involving a School Age Occupant:	3,220	Total Bicycle Crashes Involving a School Age Cyclist during School Hours:	17	Total Pedestrian Crashes Involving a School Age Pedestrian during School Hours:	1



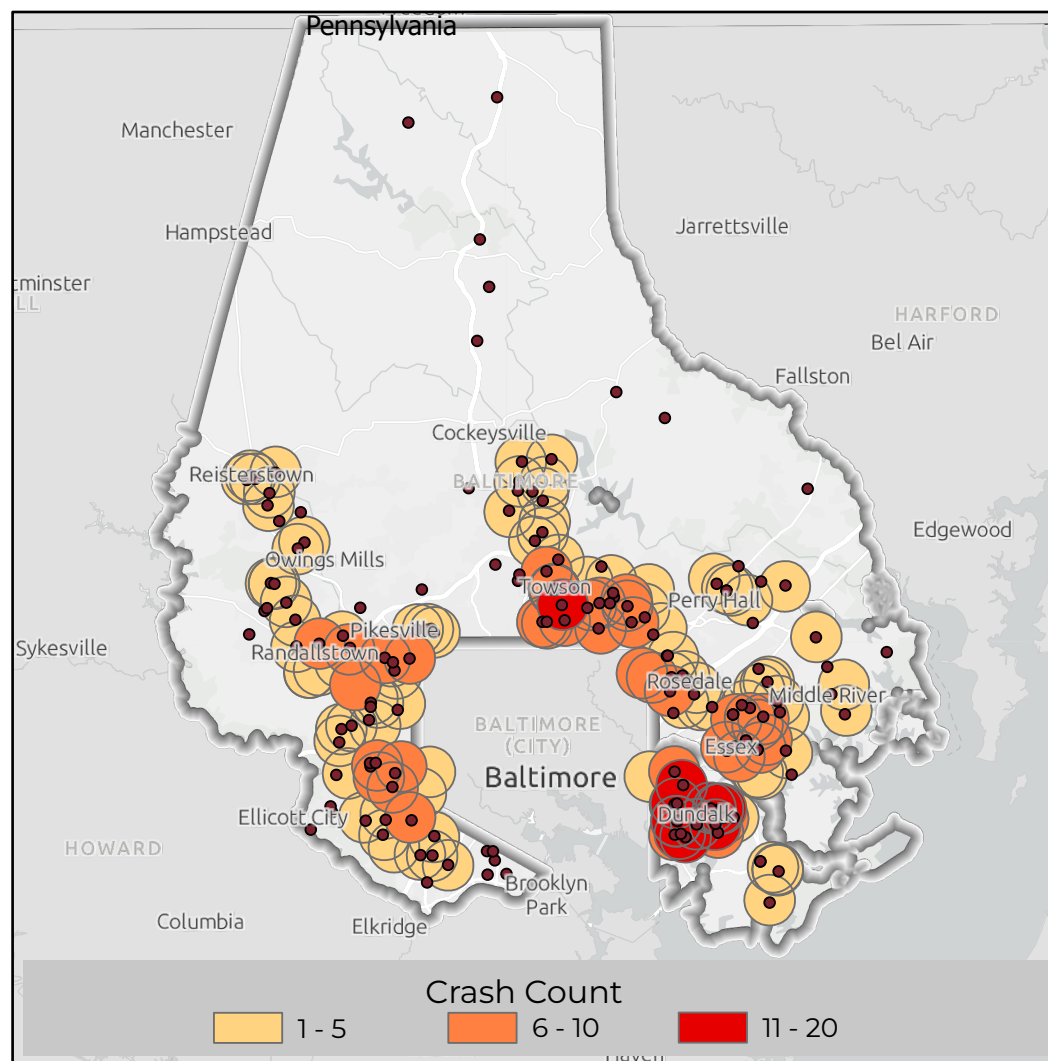
MARYLAND CENTER for SCHOOL SAFETY

Transportation Safety Study (2016 to 2020 Crash Data)

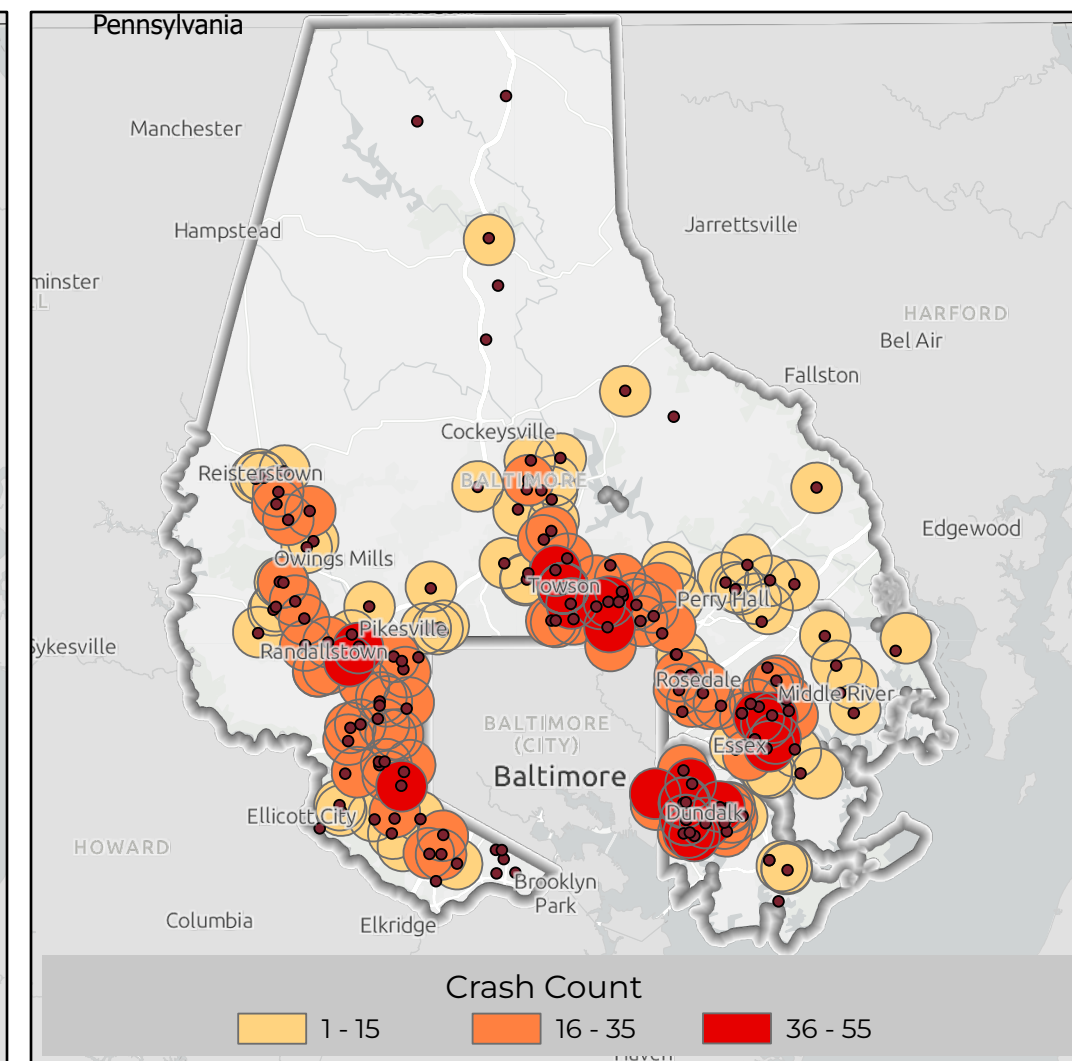
Baltimore County



Overall Crashes

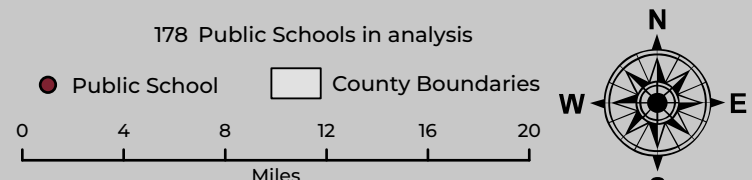


Bicycle Involved Crashes



Pedestrian Involved Crashes

Total Crashes Within One Mile of Public Schools:	78,147	Total Crashes Involving a Bicycle Within One Mile of Public Schools:	373	Total Crashes Involving a Pedestrian Within One Mile of Public Schools:	806
Total Crashes Within One Mile of a Public School Involving a School Age Person:	15,305	Total Bicycle Crashes Involving a School Age Driver during School Hours:	5	Total Pedestrian Crashes Involving a School Age Driver during School Hours:	19
Total Crashes Within One Mile of a Public School involving a School Age Driver:	6,129	Total Bicycle Crashes Involving a School Age Occupant during School Hours:	1	Total Pedestrian Crashes Involving a School Age Occupant during School Hours:	29
Total Crashes Within One Mile of a Public School Involving a School Age Occupant:	5,374	Total Bicycle Crashes Involving a School Age Cyclist during School Hours:	79	Total Pedestrian Crashes Involving a School Age Pedestrian during School Hours:	64



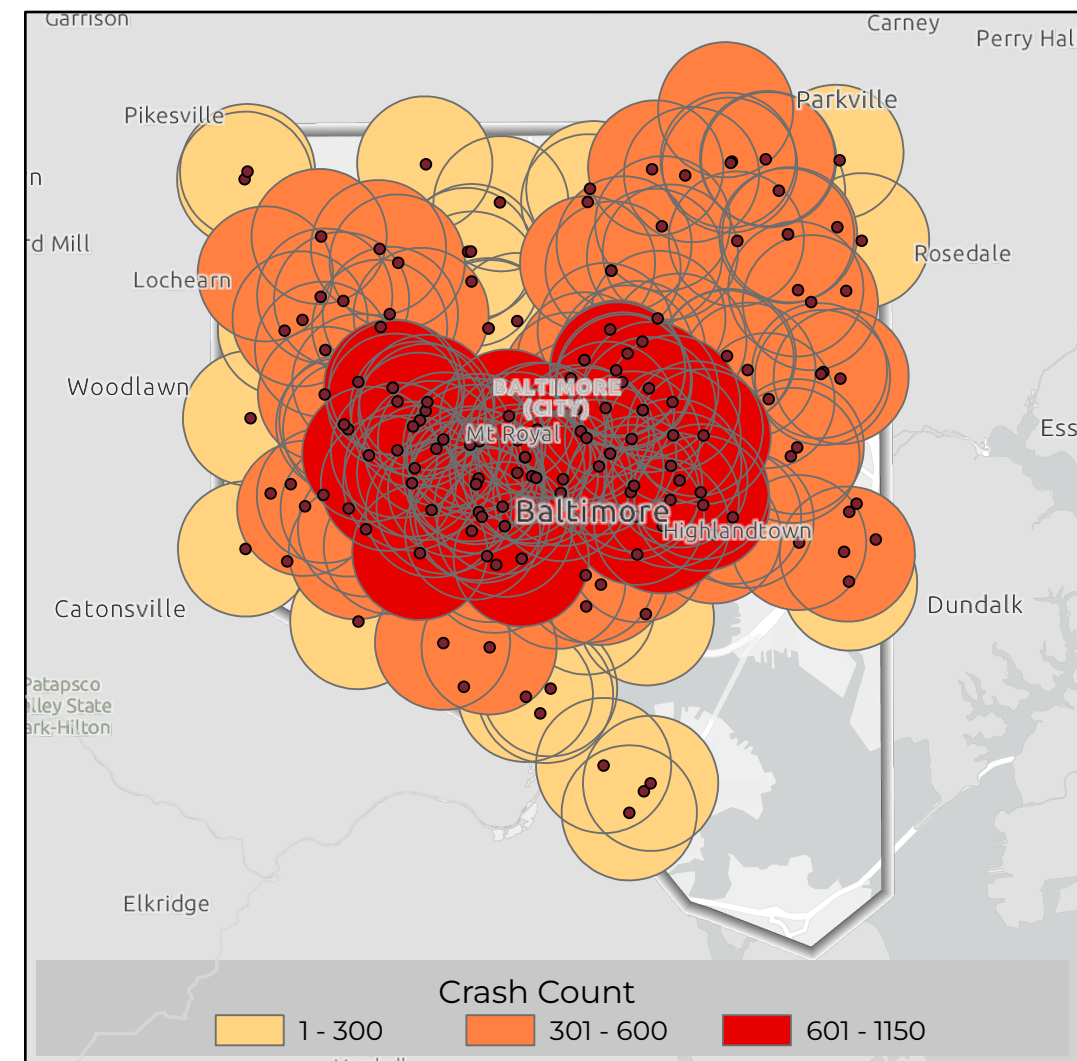
Sources: Washington College GIS Program, State Highway Administration, Maryland Center for School Safety
Disclaimer: The crashes displayed on the map as well as any other information is limited in its scope and purpose. It was compiled and collected for the purpose of identifying, evaluating, and planning safety enhancements, utilizing Federal-aid highway funds pursuant to sections 130, 144 and/or 148 of Title 23 of the United States Code.
Data Notes: Total Crashes include all dates and times, one mile of a school is determined by a one mile radius, school hours refers to 6 AM to 6 PM, school age person is defined as 3-19 years of age by MCSS. Crash counts in the one-mile study area are inclusive of all road types (including IS, MD, US, and other high-speed roadways) in high density (traffic, population) areas.



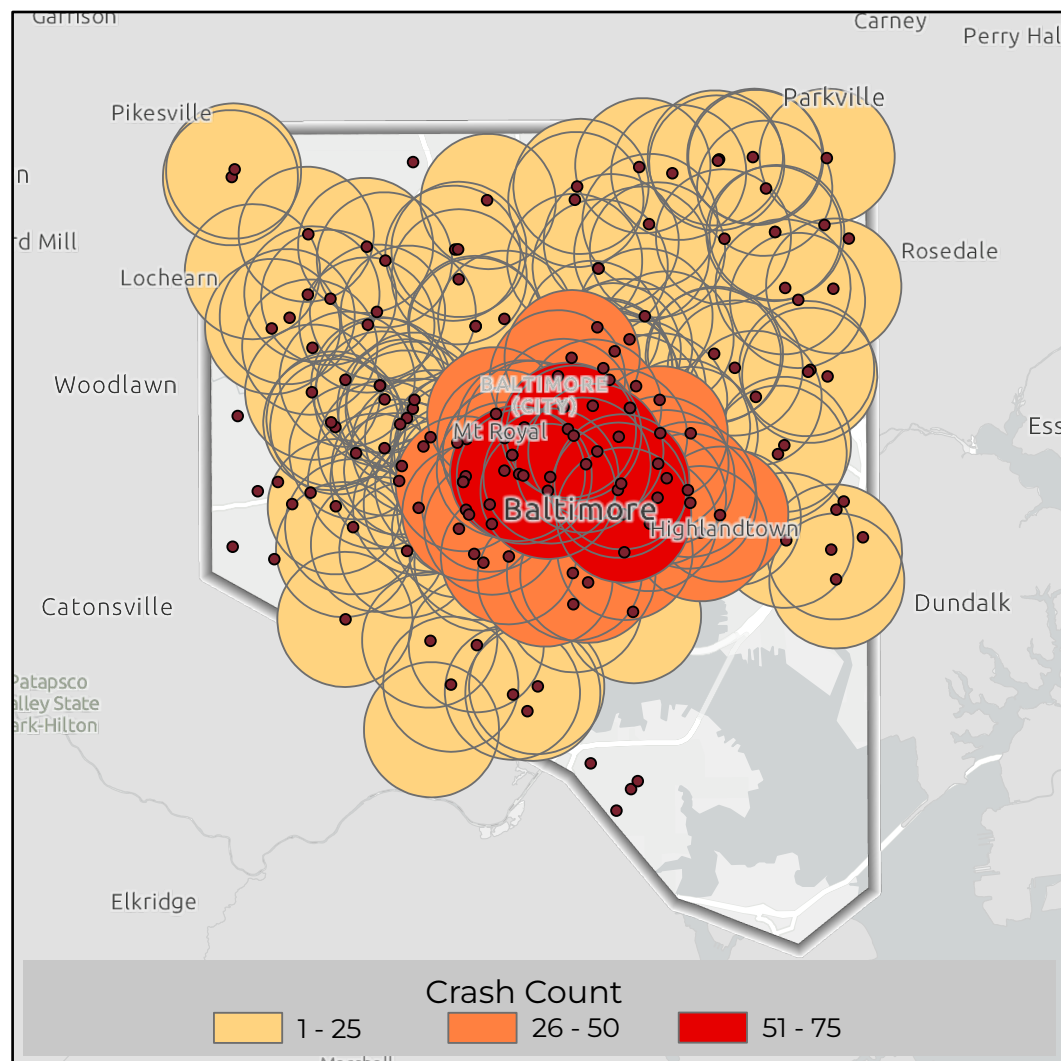
MARYLAND CENTER for SCHOOL SAFETY



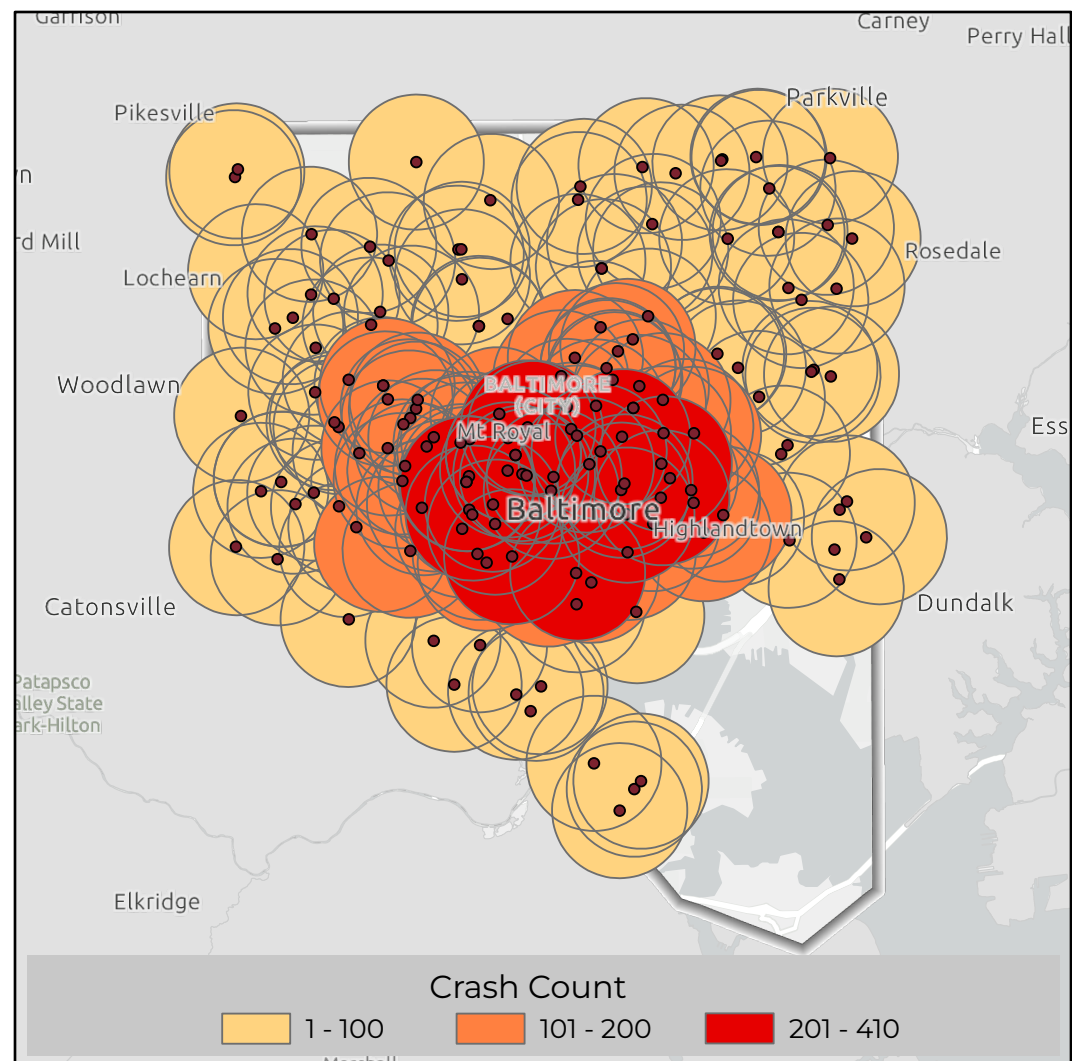
Transportation Safety Study (2016 to 2020 Crash Data)



Overall Crashes

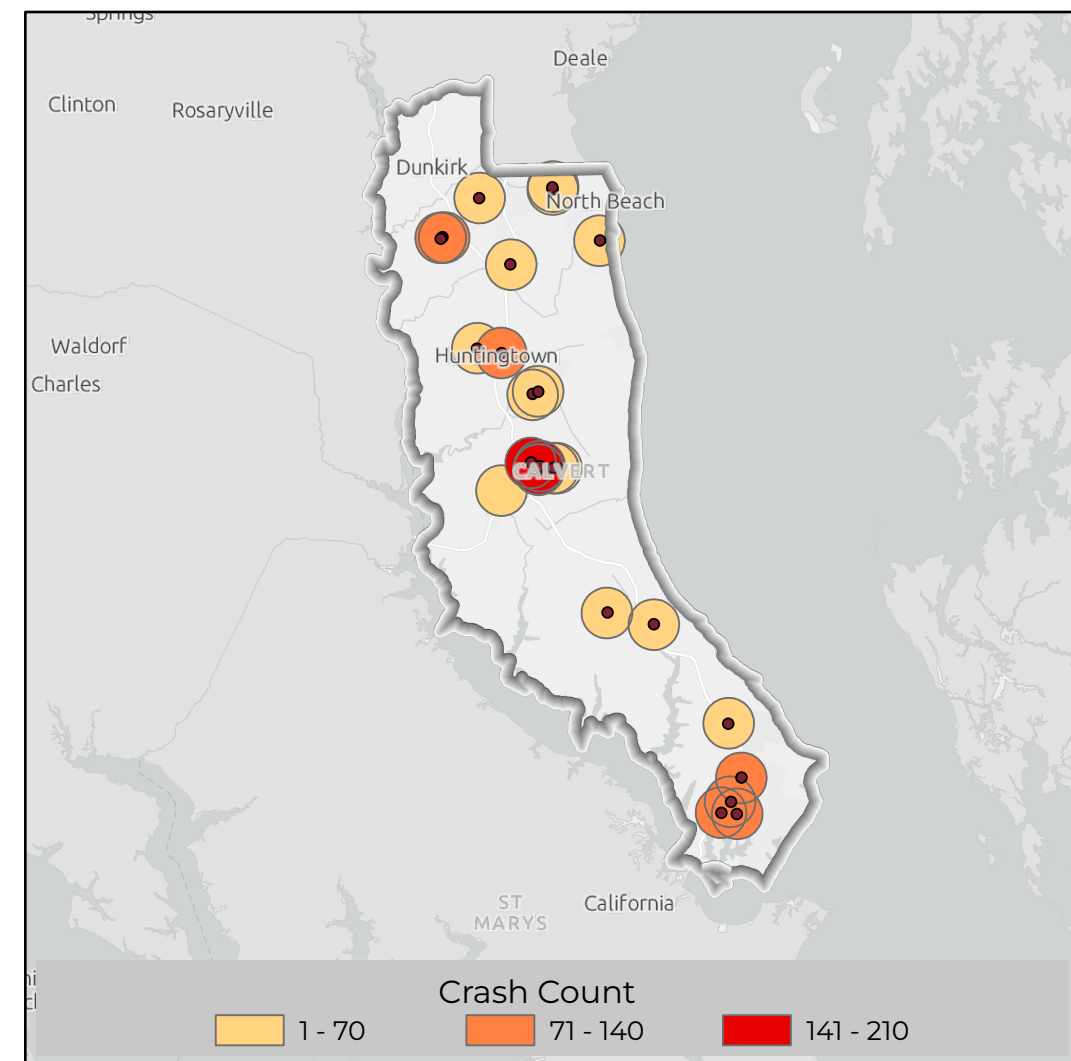


Bicycle Involved Crashes

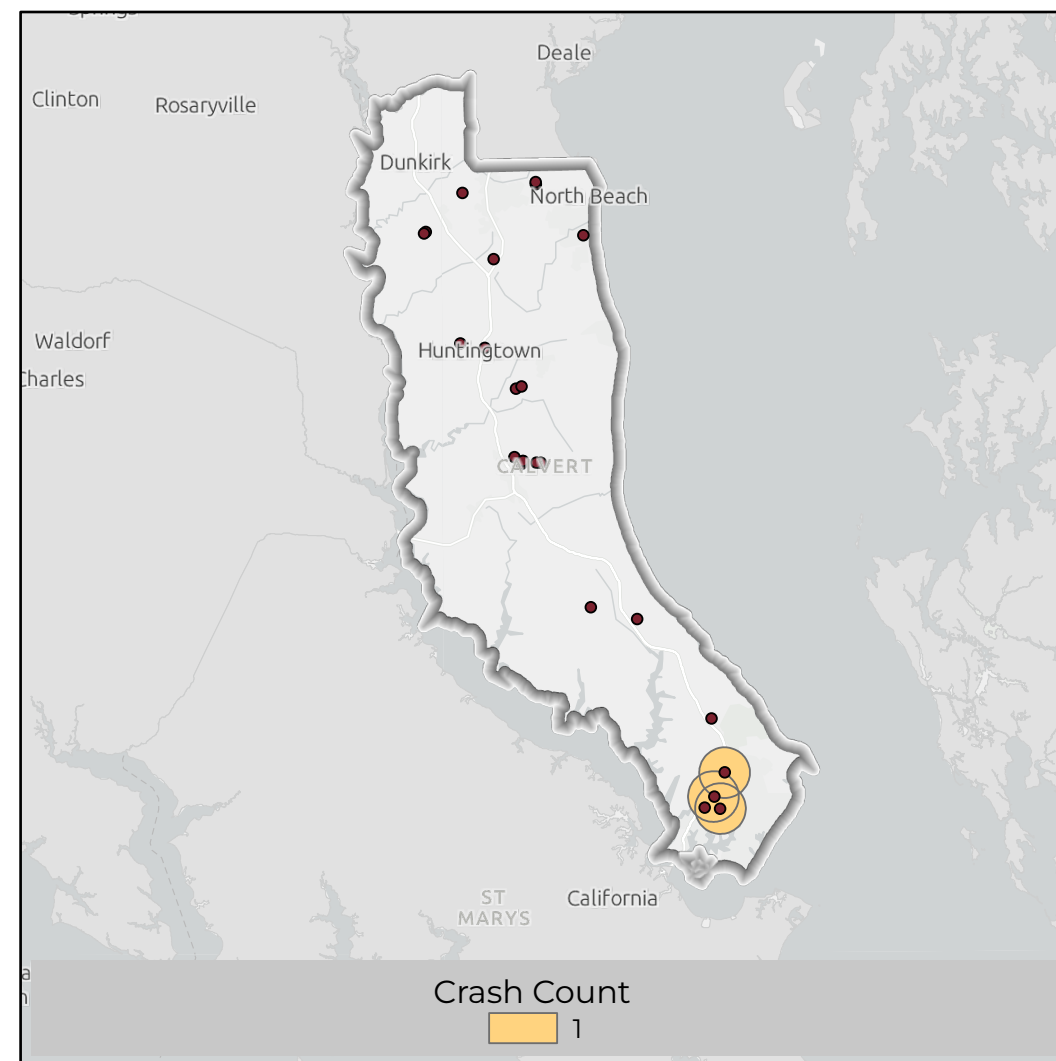


Pedestrian Involved Crashes

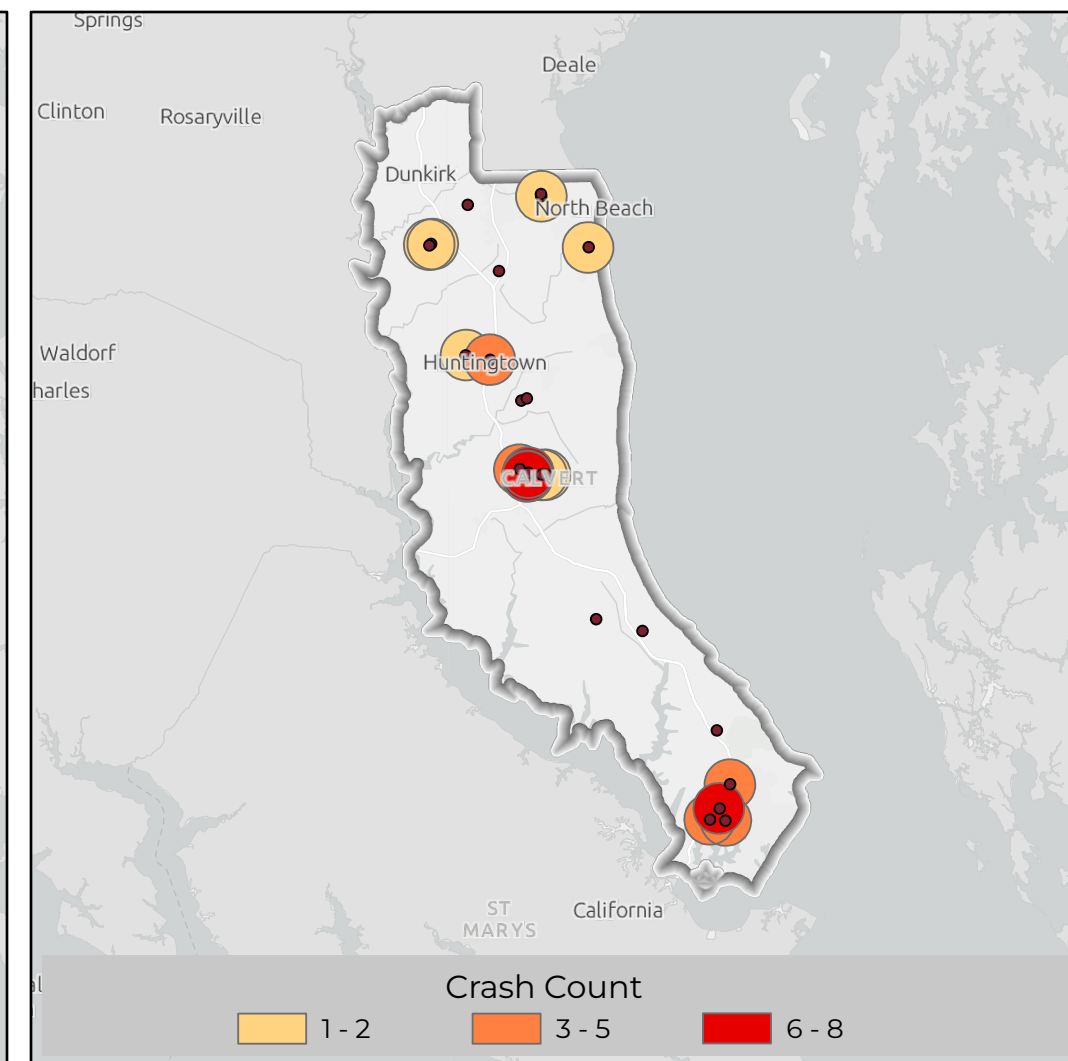
Total Crashes Within One Mile of Public Schools:	72,317	Total Crashes Involving a Bicycle Within One Mile of Public Schools:	742	Total Crashes Involving a Pedestrian Within One Mile of Public Schools:	3,455
Total Crashes Within One Mile of a Public School Involving a School Age Person:	9,986	Total Bicycle Crashes Involving a School Age Driver during School Hours:	5	Total Pedestrian Crashes Involving a School Age Driver during School Hours:	19
Total Crashes Within One Mile of a Public School involving a School Age Driver:	4,455	Total Bicycle Crashes Involving a School Age Occupant during School Hours:	1	Total Pedestrian Crashes Involving a School Age Occupant during School Hours:	8
Total Crashes Within One Mile of a Public School Involving a School Age Occupant:	4,667	Total Bicycle Crashes Involving a School Age Cyclist during School Hours:	17	Total Pedestrian Crashes Involving a School Age Pedestrian during School Hours:	83



Overall Crashes



Bicycle Involved Crashes



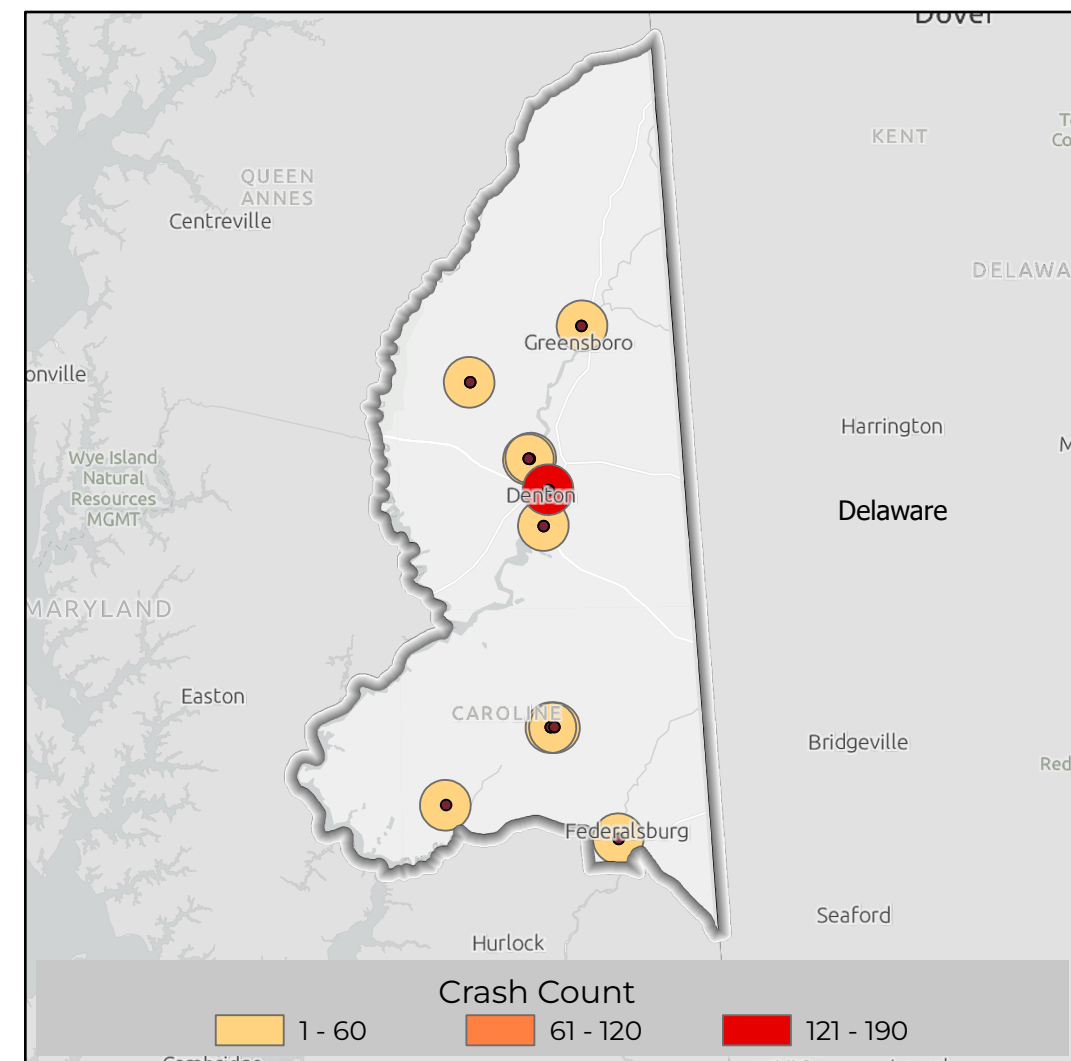
Pedestrian Involved Crashes

Total Crashes Within One Mile of Public Schools:	2,384	Total Crashes Involving a Bicycle Within One Mile of Public Schools:	8	Total Crashes Involving a Pedestrian Within One Mile of Public Schools:	24
Total Crashes Within One Mile of a Public School Involving a School Age Person:	970	Total Bicycle Crashes Involving a School Age Driver during School Hours:	0	Total Pedestrian Crashes Involving a School Age Driver during School Hours:	10
Total Crashes Within One Mile of a Public School involving a School Age Driver:	642	Total Bicycle Crashes Involving a School Age Occupant during School Hours:	0	Total Pedestrian Crashes Involving a School Age Occupant during School Hours:	0
Total Crashes Within One Mile of a Public School Involving a School Age Occupant:	317	Total Bicycle Crashes Involving a School Age Cyclist during School Hours:	1	Total Pedestrian Crashes Involving a School Age Pedestrian during School Hours:	24

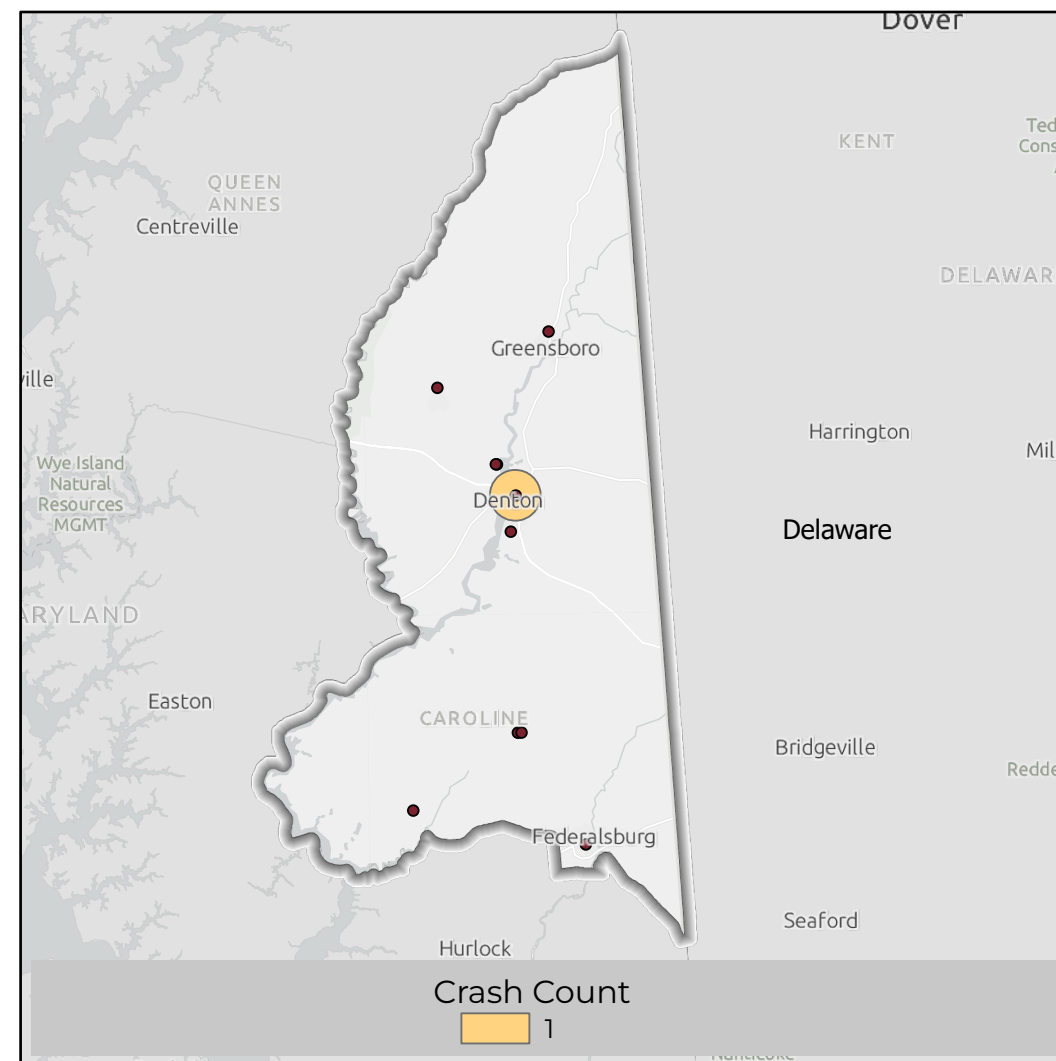
MARYLAND CENTER for SCHOOL SAFETY



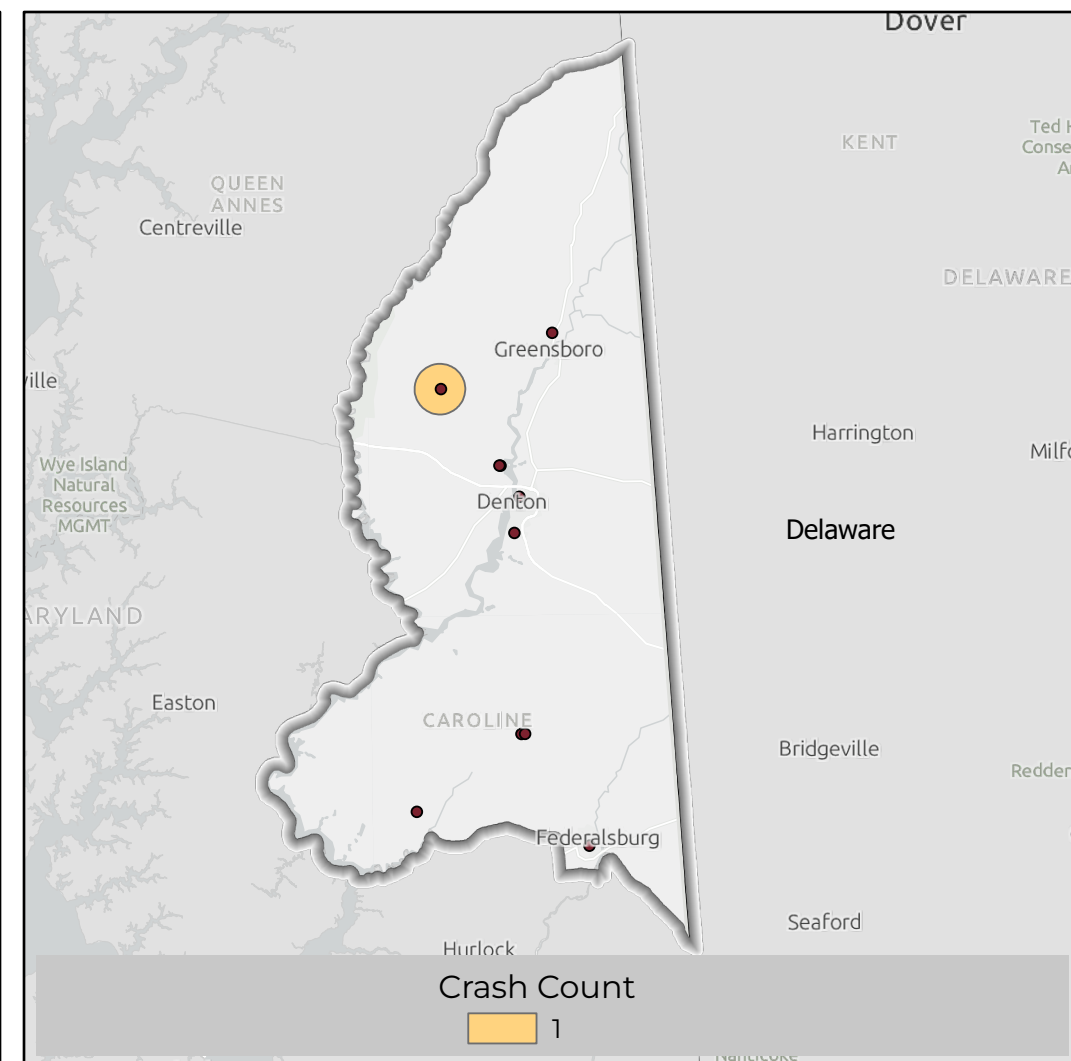
Transportation Safety Study (2016 to 2020 Crash Data)



Overall Crashes

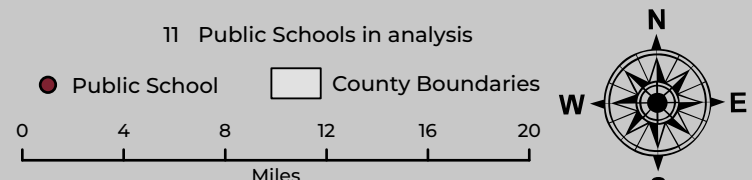


Bicycle Involved Crashes



Pedestrian Involved Crashes

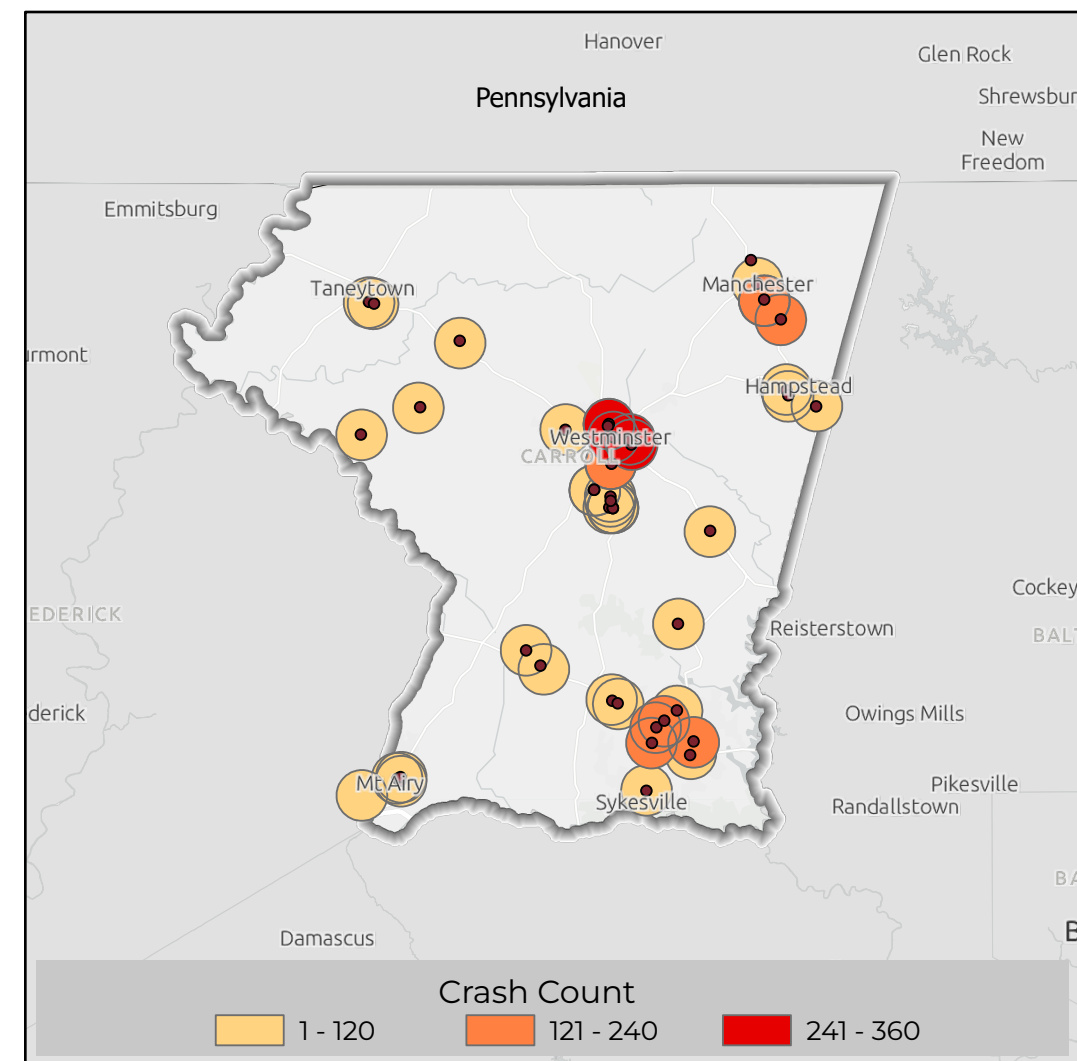
Total Crashes Within One Mile of Public Schools:	829	Total Crashes Involving a Bicycle Within One Mile of Public Schools:	1	Total Crashes Involving a Pedestrian Within One Mile of Public Schools:	1
Total Crashes Within One Mile of a Public School Involving a School Age Person:	96	Total Bicycle Crashes Involving a School Age Driver during School Hours:	0	Total Pedestrian Crashes Involving a School Age Driver during School Hours:	0
Total Crashes Within One Mile of a Public School involving a School Age Driver:	70	Total Bicycle Crashes Involving a School Age Occupant during School Hours:	0	Total Pedestrian Crashes Involving a School Age Occupant during School Hours:	0
Total Crashes Within One Mile of a Public School Involving a School Age Occupant:	23	Total Bicycle Crashes Involving a School Age Cyclist during School Hours:	1	Total Pedestrian Crashes Involving a School Age Pedestrian during School Hours:	1



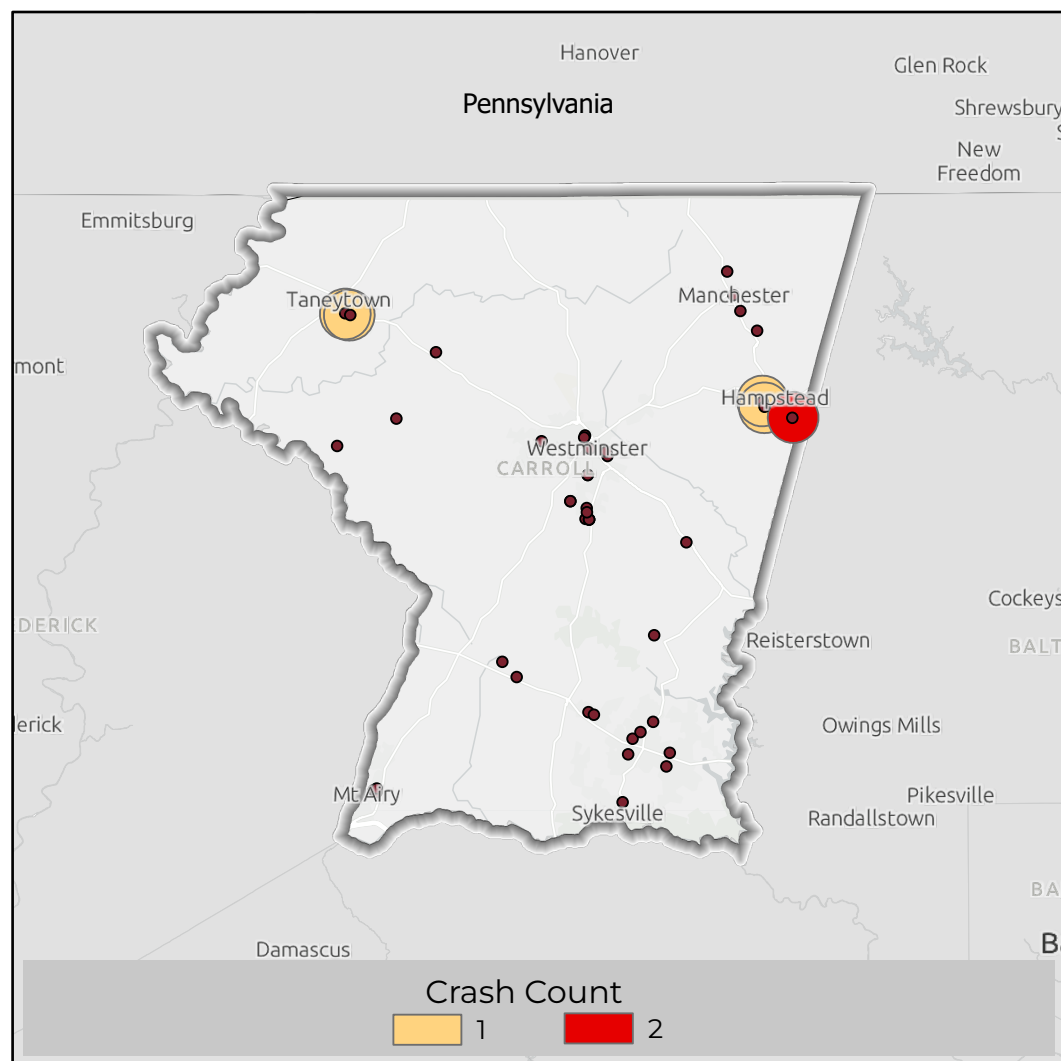
Sources: Washington College GIS Program, State Highway Administration, Maryland Center for School Safety
Disclaimer: The crashes displayed on the map as well as any other information is limited in its scope and purpose. It was compiled and collected for the purpose of identifying, evaluating, and planning safety enhancements, utilizing Federal-aid highway funds pursuant to sections 130, 144 and/or 148 of Title 23 of the United States Code.
Data Notes: Total Crashes include all dates and times, one mile of a school is determined by a one mile radius, school hours refers to 6 AM to 6 PM, school age person is defined as 3-19 years of age by MCSS. Crash counts in the one-mile study area are inclusive of all road types (including IS, MD, US, and other high-speed roadways) in high density (traffic, population) areas.



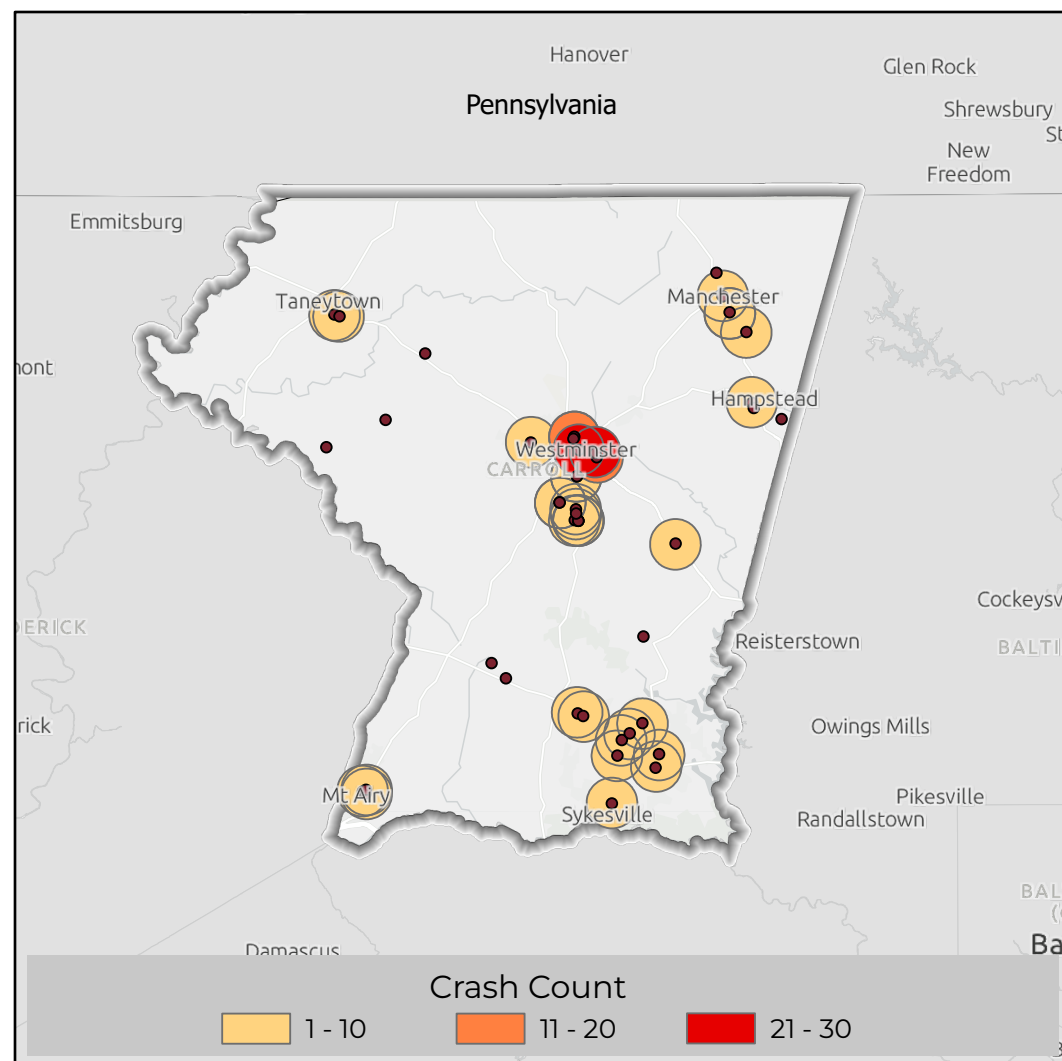
Transportation Safety Study (2016 to 2020 Crash Data)



Overall Crashes



Bicycle Involved Crashes



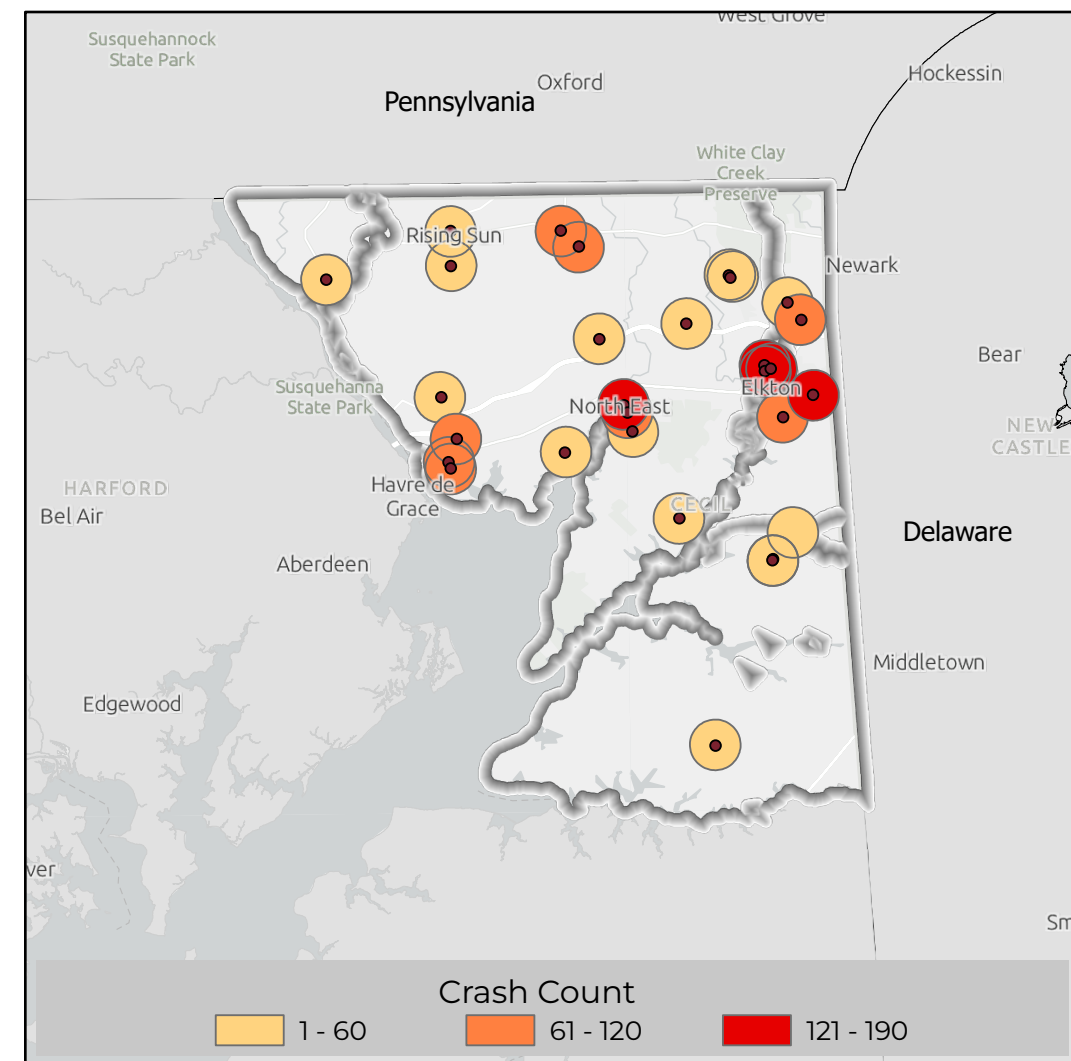
Pedestrian Involved Crashes

Total Crashes Within One Mile of Public Schools:	5,142	Total Crashes Involving a Bicycle Within One Mile of Public Schools:	3	Total Crashes Involving a Pedestrian Within One Mile of Public Schools:	59
Total Crashes Within One Mile of a Public School Involving a School Age Person:	646	Total Bicycle Crashes Involving a School Age Driver during School Hours:	0	Total Pedestrian Crashes Involving a School Age Driver during School Hours:	2
Total Crashes Within One Mile of a Public School involving a School Age Driver:	501	Total Bicycle Crashes Involving a School Age Occupant during School Hours:	0	Total Pedestrian Crashes Involving a School Age Occupant during School Hours:	0
Total Crashes Within One Mile of a Public School Involving a School Age Occupant:	125	Total Bicycle Crashes Involving a School Age Cyclist during School Hours:	0	Total Pedestrian Crashes Involving a School Age Pedestrian during School Hours:	4

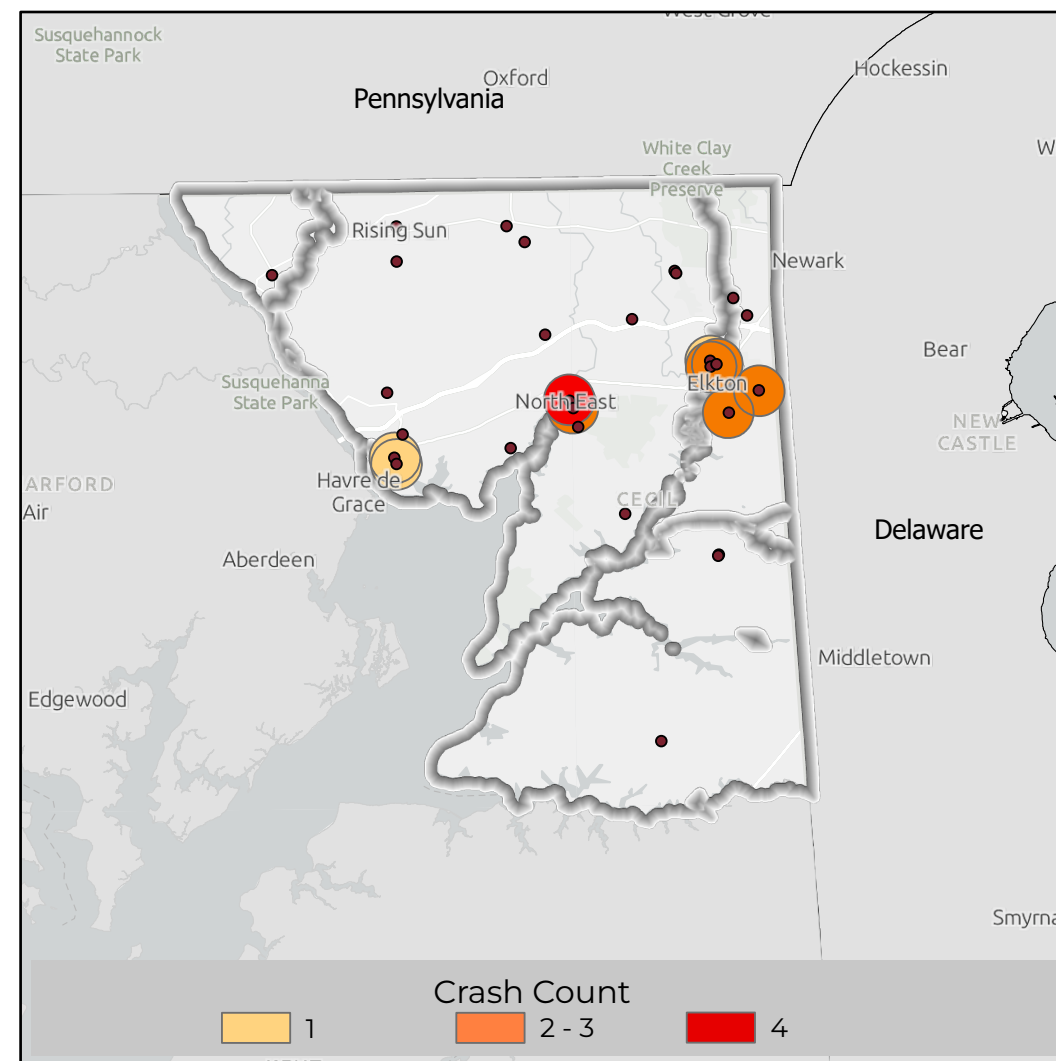
MARYLAND CENTER for SCHOOL SAFETY

Cecil County

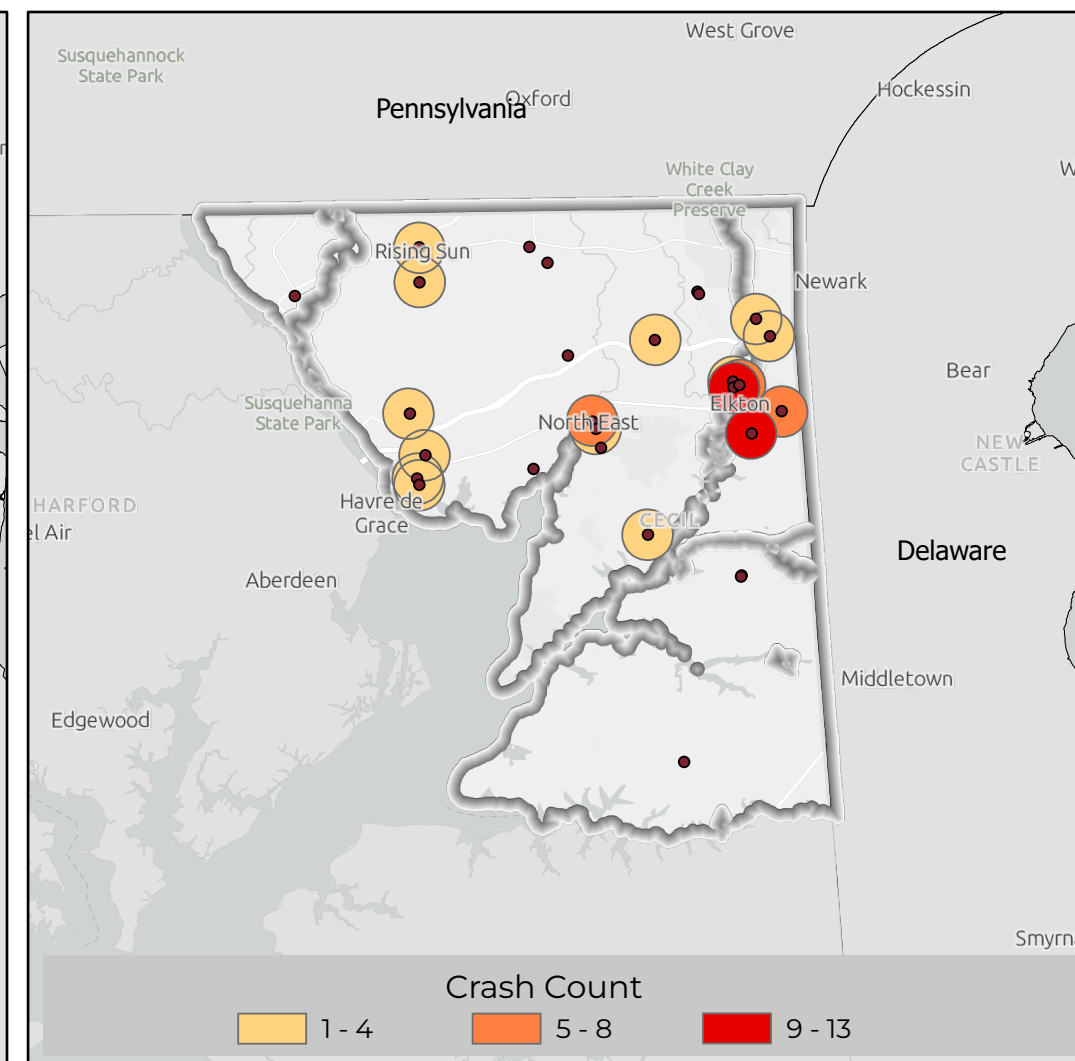
Transportation Safety Study (2016 to 2020 Crash Data)



Overall Crashes



Bicycle Involved Crashes



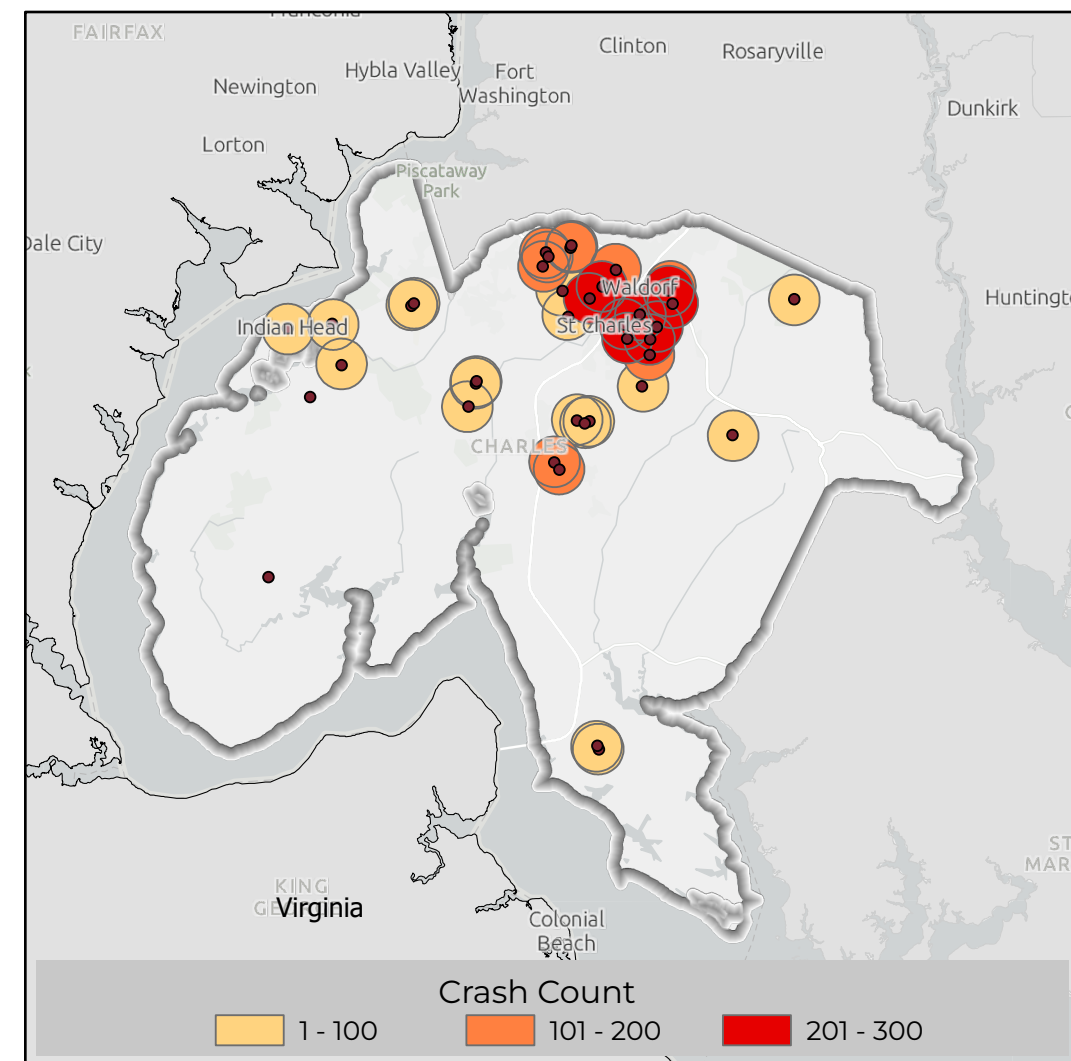
Pedestrian Involved Crashes

Total Crashes Within One Mile of Public Schools:	4,040	Total Crashes Involving a Bicycle Within One Mile of Public Schools:	11	Total Crashes Involving a Pedestrian Within One Mile of Public Schools:	47
Total Crashes Within One Mile of a Public School Involving a School Age Person:	391	Total Bicycle Crashes Involving a School Age Driver during School Hours:	0	Total Pedestrian Crashes Involving a School Age Driver during School Hours:	0
Total Crashes Within One Mile of a Public School involving a School Age Driver:	320	Total Bicycle Crashes Involving a School Age Occupant during School Hours:	0	Total Pedestrian Crashes Involving a School Age Occupant during School Hours:	0
Total Crashes Within One Mile of a Public School Involving a School Age Occupant:	72	Total Bicycle Crashes Involving a School Age Cyclist during School Hours:	1	Total Pedestrian Crashes Involving a School Age Pedestrian during School Hours:	1

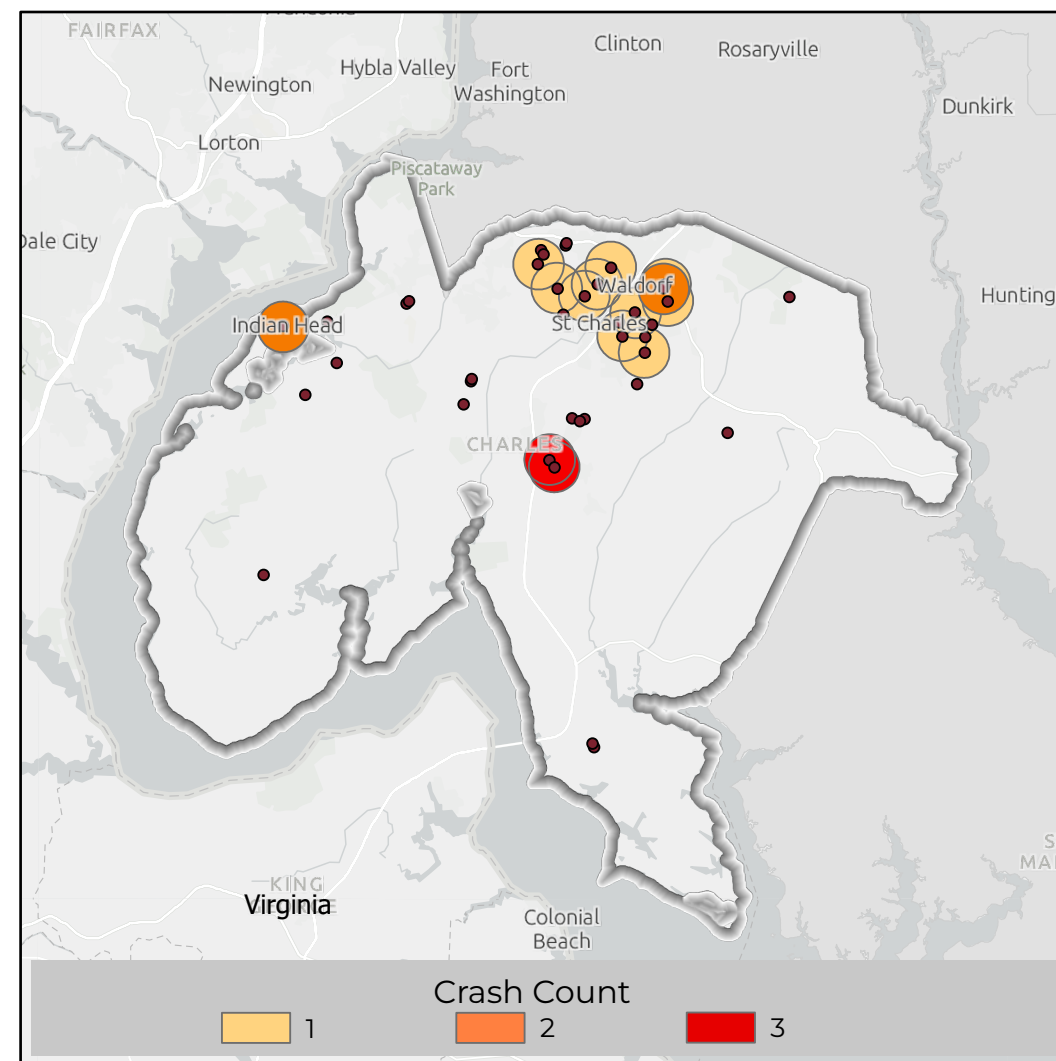
MARYLAND CENTER for SCHOOL SAFETY



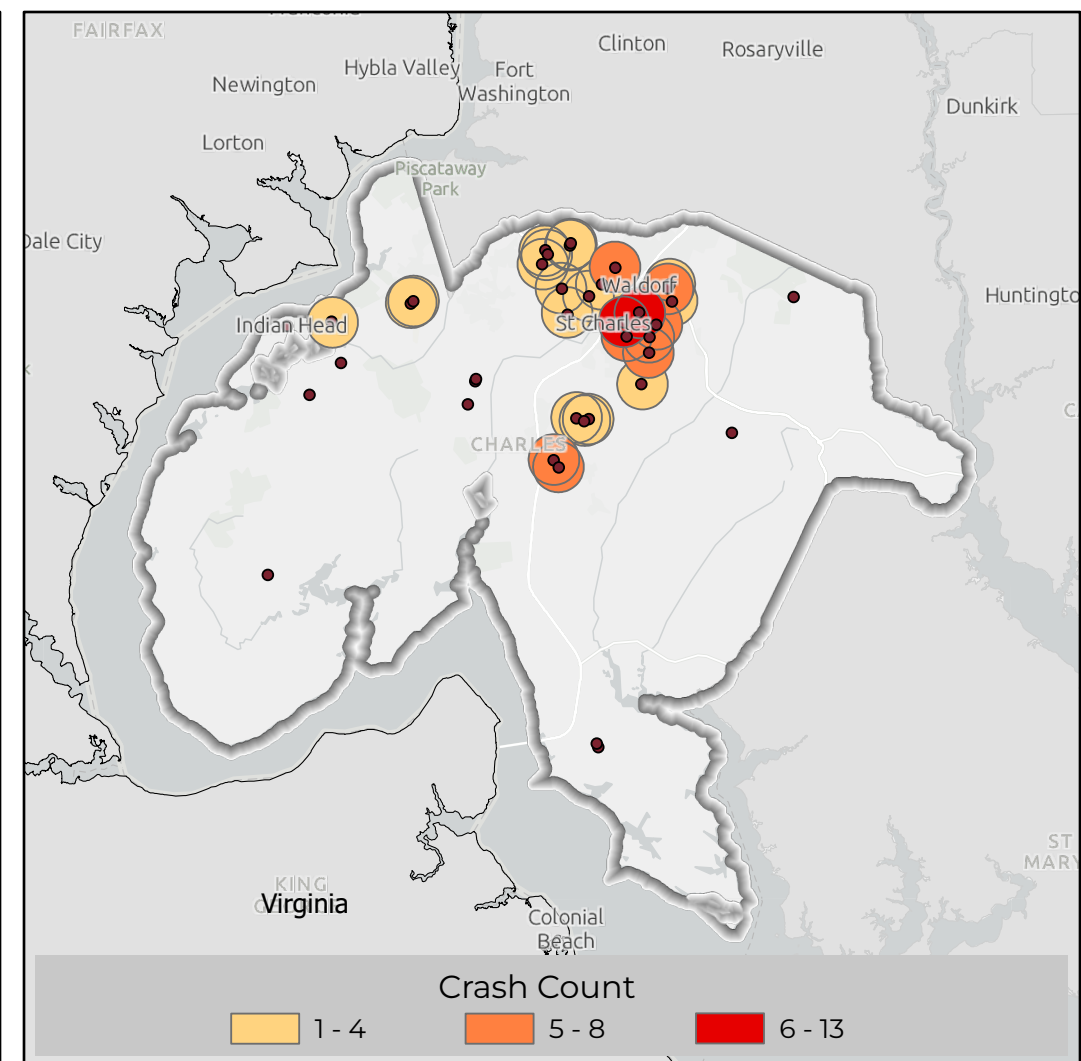
Transportation Safety Study (2016 to 2020 Crash Data)



Overall Crashes



Bicycle Involved Crashes

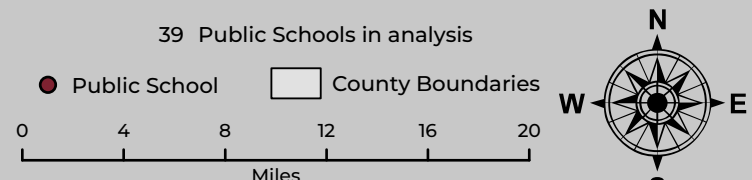


Pedestrian Involved Crashes

Total Crashes Within One Mile of Public Schools:	6,018
Total Crashes Within One Mile of a Public School Involving a School Age Person:	1,902
Total Crashes Within One Mile of a Public School involving a School Age Driver:	1,145
Total Crashes Within One Mile of a Public School Involving a School Age Occupant:	699

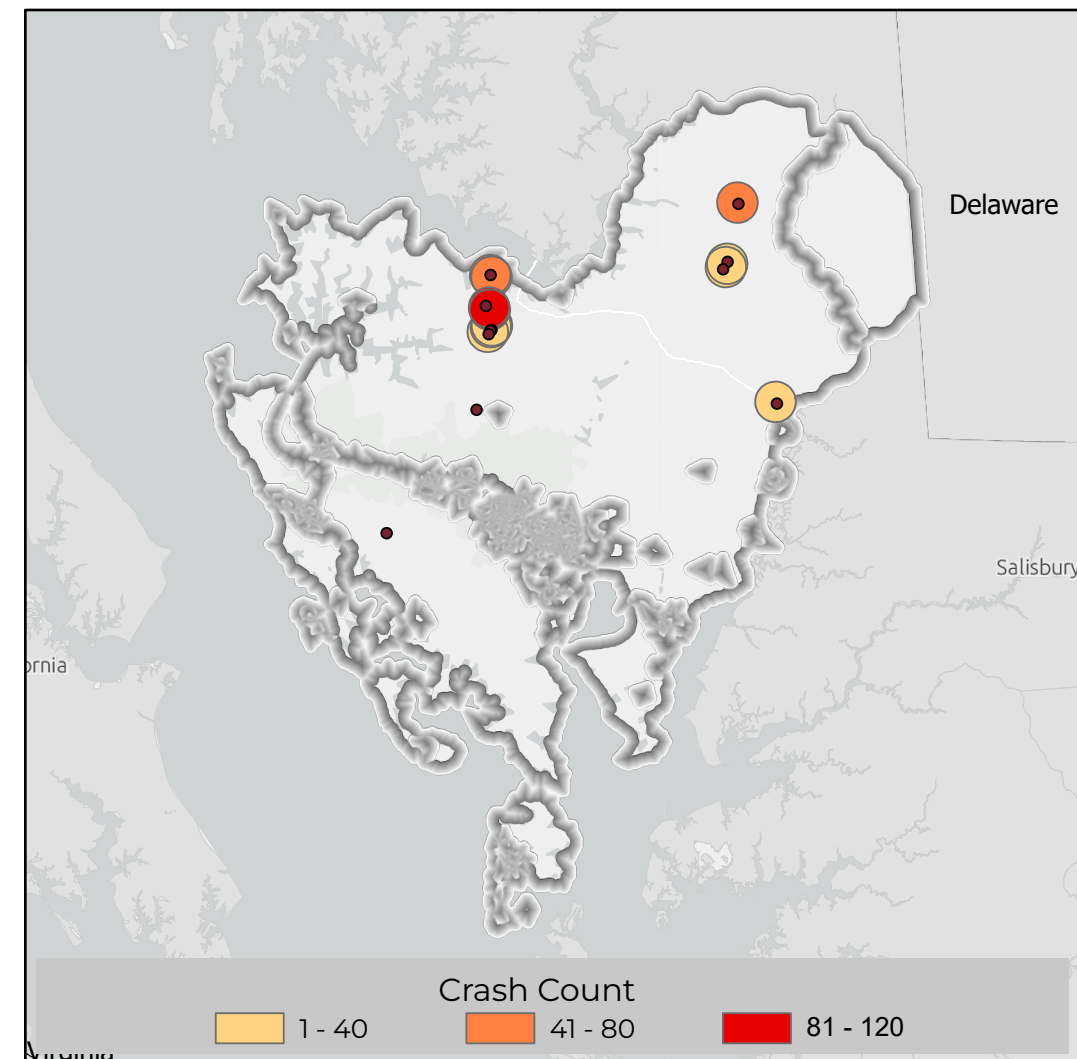
Total Crashes Involving a Bicycle Within One Mile of Public Schools:	305
Total Bicycle Crashes Involving a School Age Driver during School Hours:	0
Total Bicycle Crashes Involving a School Age Occupant during School Hours:	0
Total Bicycle Crashes Involving a School Age Cyclist during School Hours:	0

Total Crashes Involving a Pedestrian Within One Mile of Public Schools:	747
Total Pedestrian Crashes Involving a School Age Driver during School Hours:	1
Total Pedestrian Crashes Involving a School Age Occupant during School Hours:	1
Total Pedestrian Crashes Involving a School Age Pedestrian during School Hours:	1

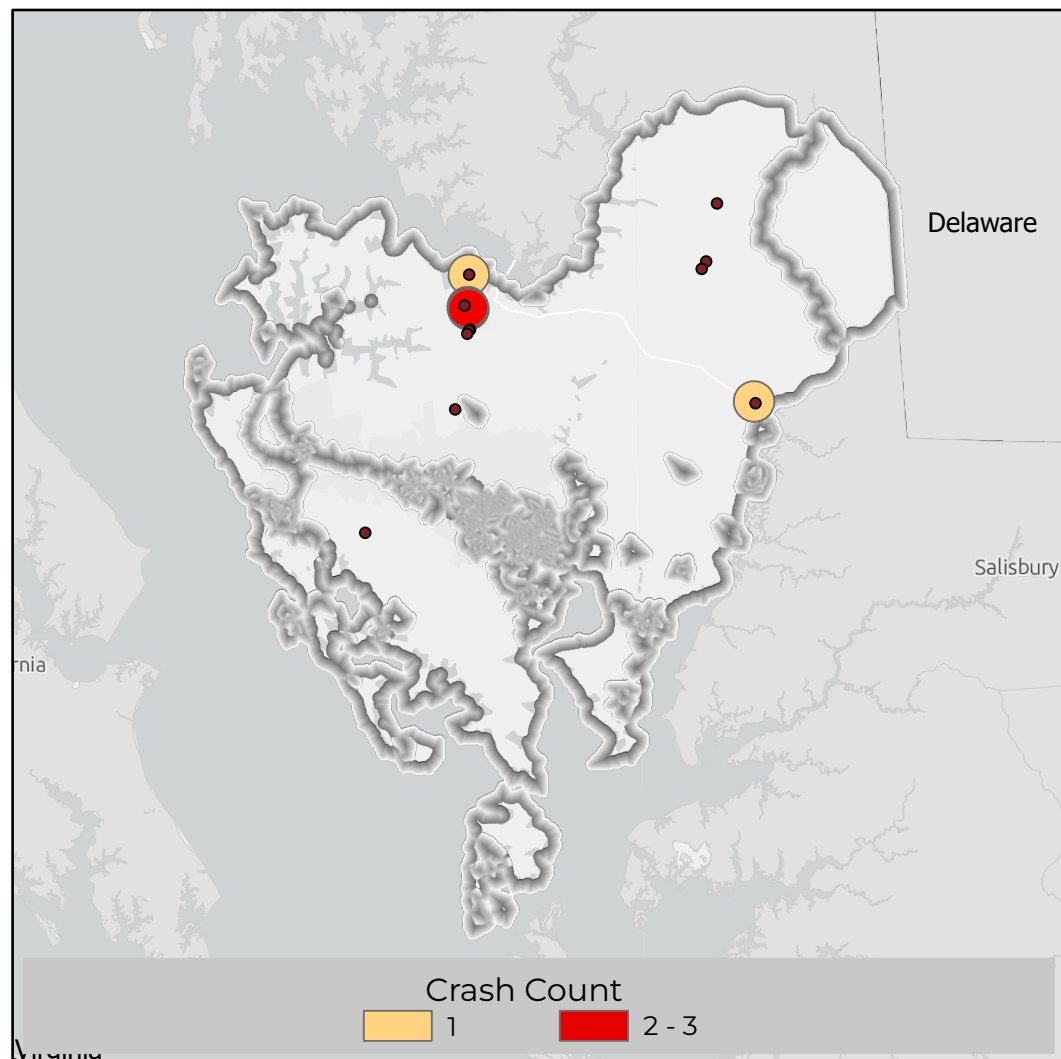


Sources: Washington College GIS Program, State Highway Administration, Maryland Center for School Safety
Disclaimer: The crashes displayed on the map as well as any other information is limited in its scope and purpose. It was compiled and collected for the purpose of identifying, evaluating, and planning safety enhancements, utilizing Federal-aid highway funds pursuant to sections 130, 144 and/or 148 of Title 23 of the United States Code.
Data Notes: Total Crashes include all dates and times, one mile of a school is determined by a one mile radius, school hours refers to 6 AM to 6 PM, school age person is defined as 3-19 years of age by MCSS. Crash counts in the one-mile study area are inclusive of all road types (including IS, MD, US, and other high-speed roadways) in high density (traffic, population) areas.

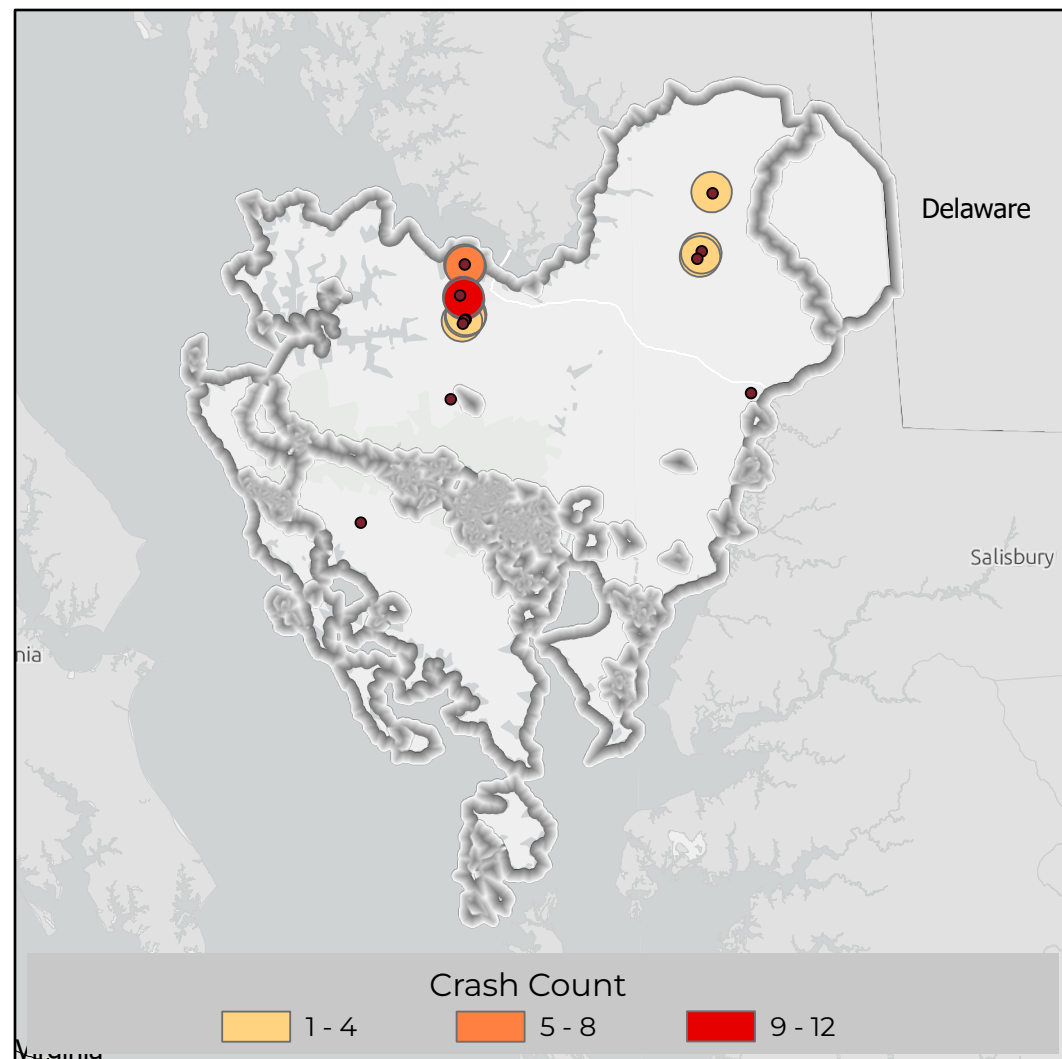




Overall Crashes

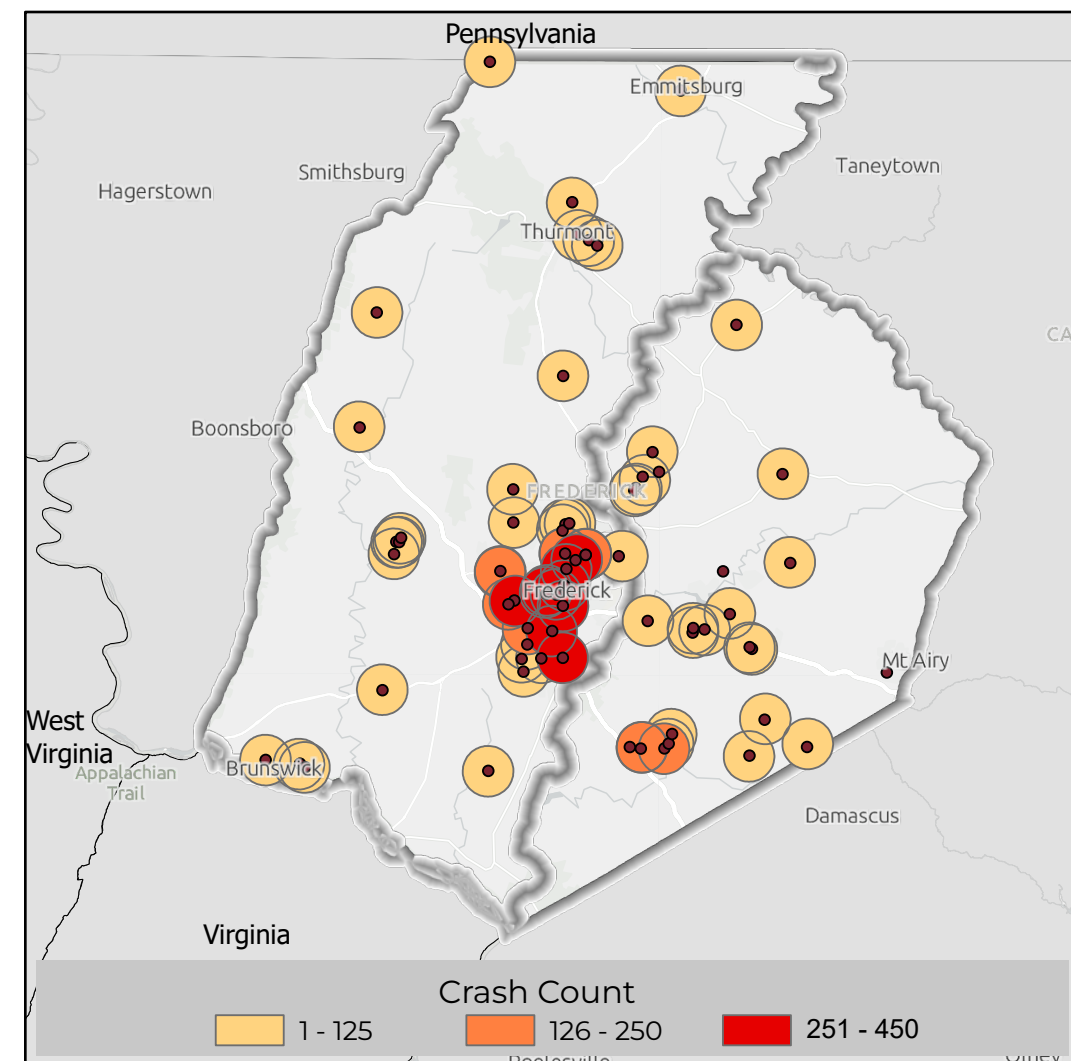


Bicycle Involved Crashes

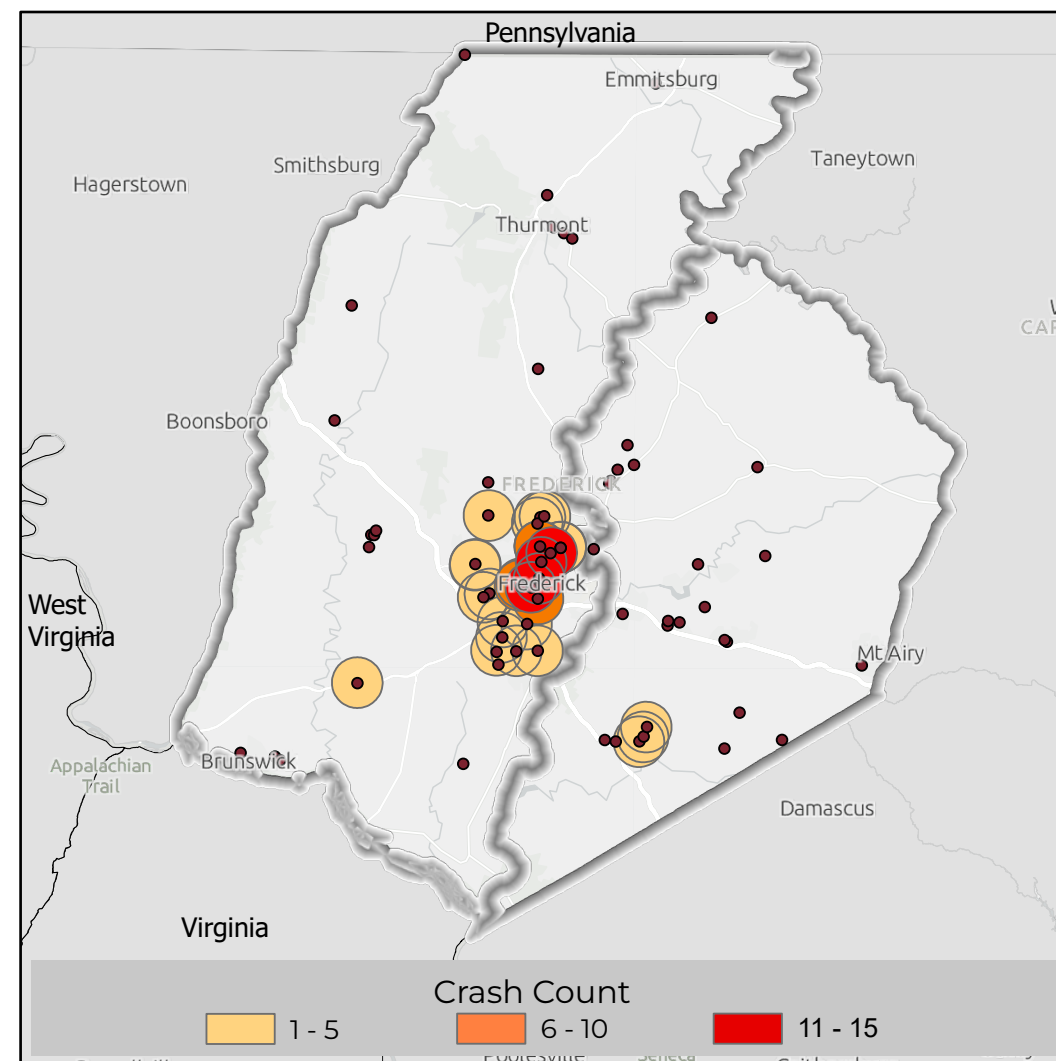


Pedestrian Involved Crashes

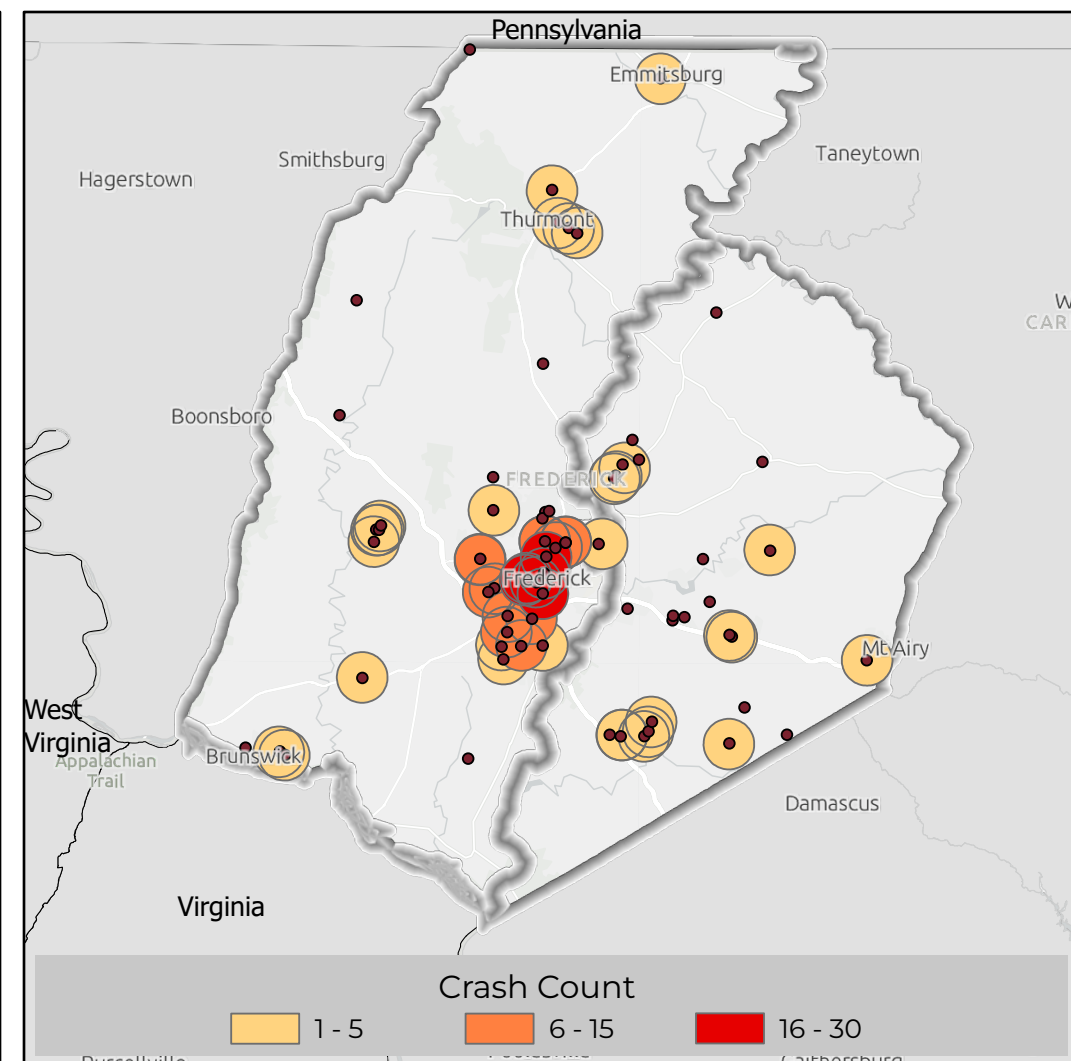
Total Crashes Within One Mile of Public Schools:	909	Total Crashes Involving a Bicycle Within One Mile of Public Schools:	25	Total Crashes Involving a Pedestrian Within One Mile of Public Schools:	33
Total Crashes Within One Mile of a Public School Involving a School Age Person:	234	Total Bicycle Crashes Involving a School Age Driver during School Hours:	0	Total Pedestrian Crashes Involving a School Age Driver during School Hours:	0
Total Crashes Within One Mile of a Public School involving a School Age Driver:	126	Total Bicycle Crashes Involving a School Age Occupant during School Hours:	0	Total Pedestrian Crashes Involving a School Age Occupant during School Hours:	0
Total Crashes Within One Mile of a Public School Involving a School Age Occupant:	79	Total Bicycle Crashes Involving a School Age Cyclist during School Hours:	0	Total Pedestrian Crashes Involving a School Age Pedestrian during School Hours:	0



Overall Crashes

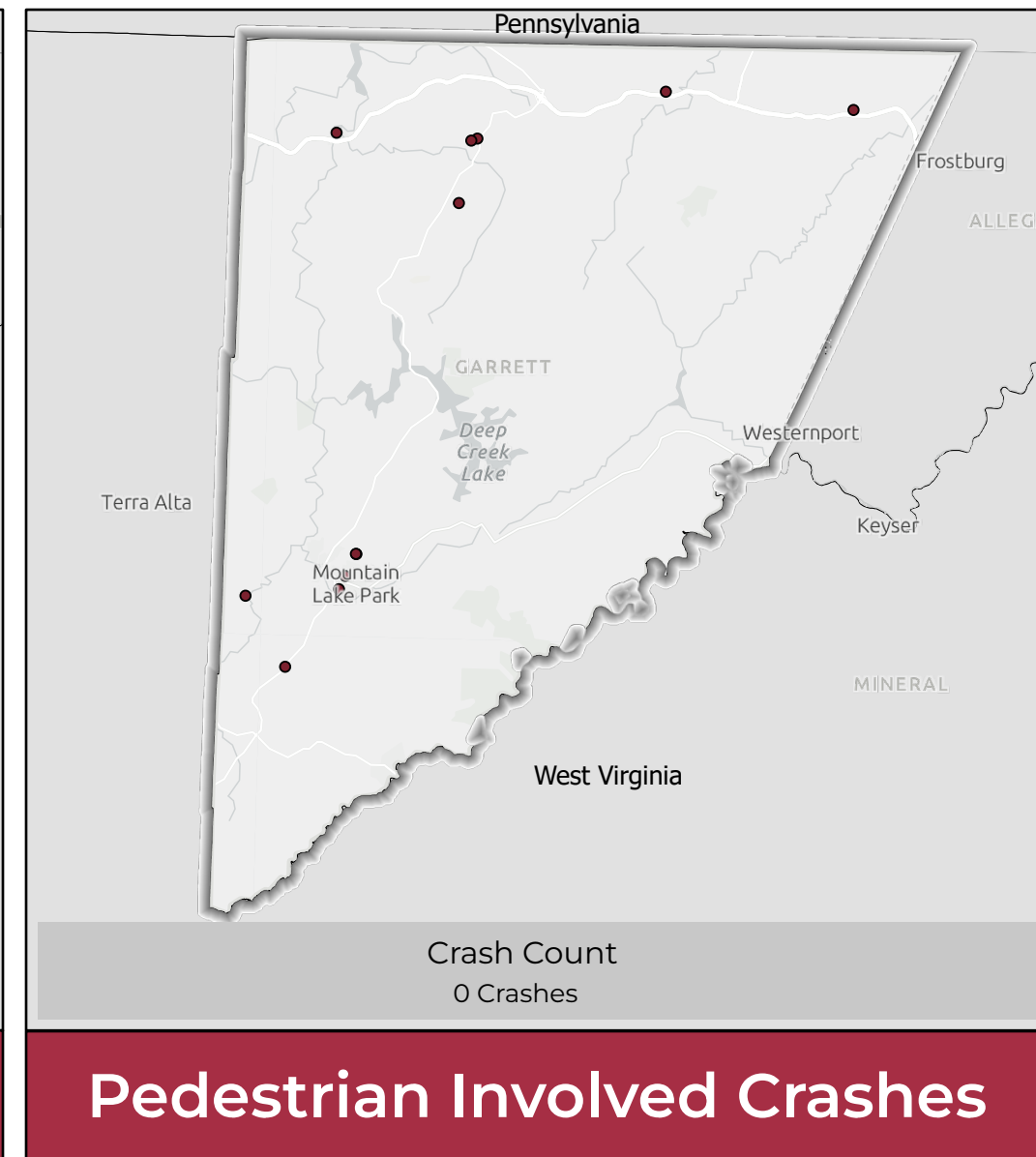
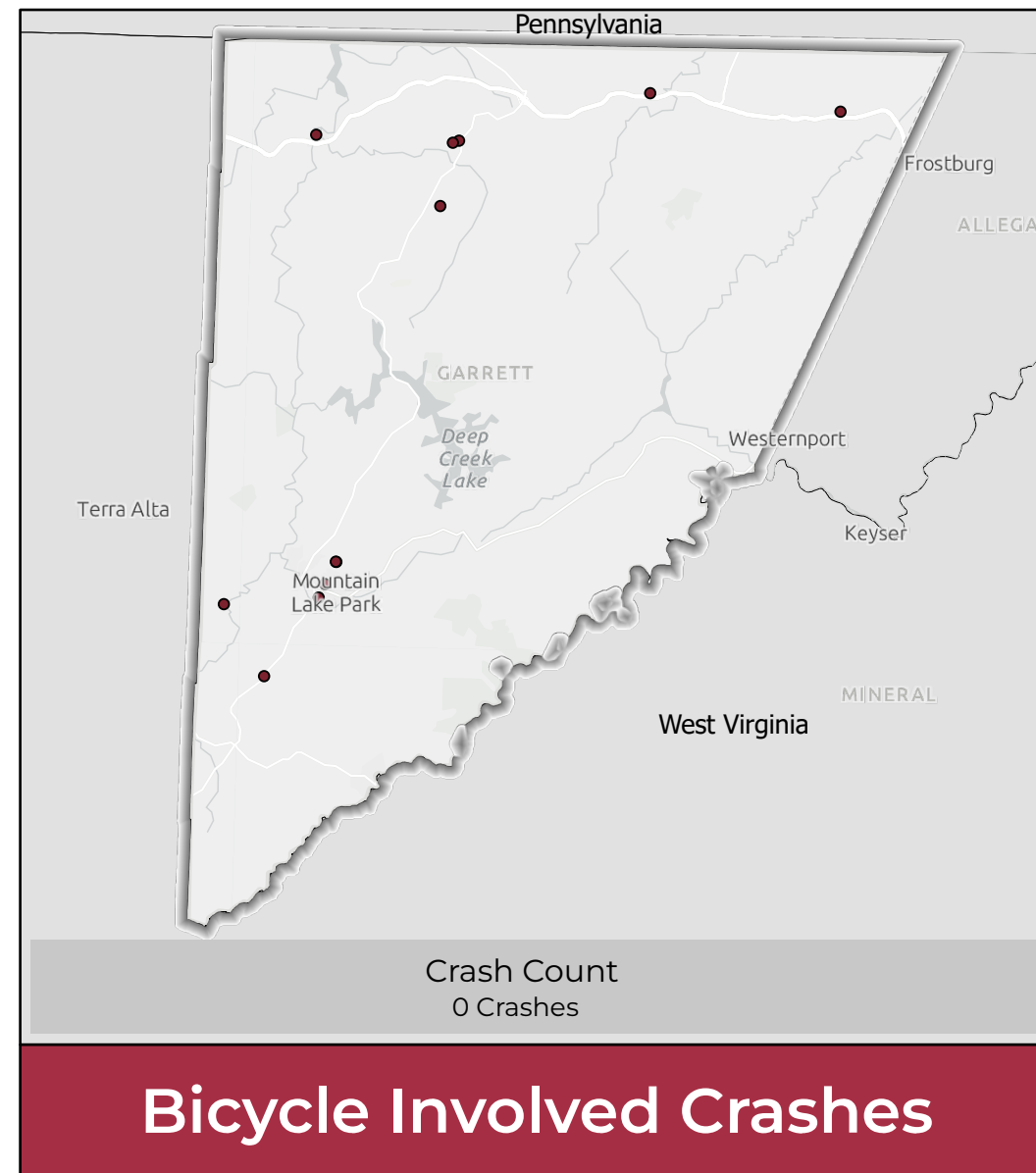
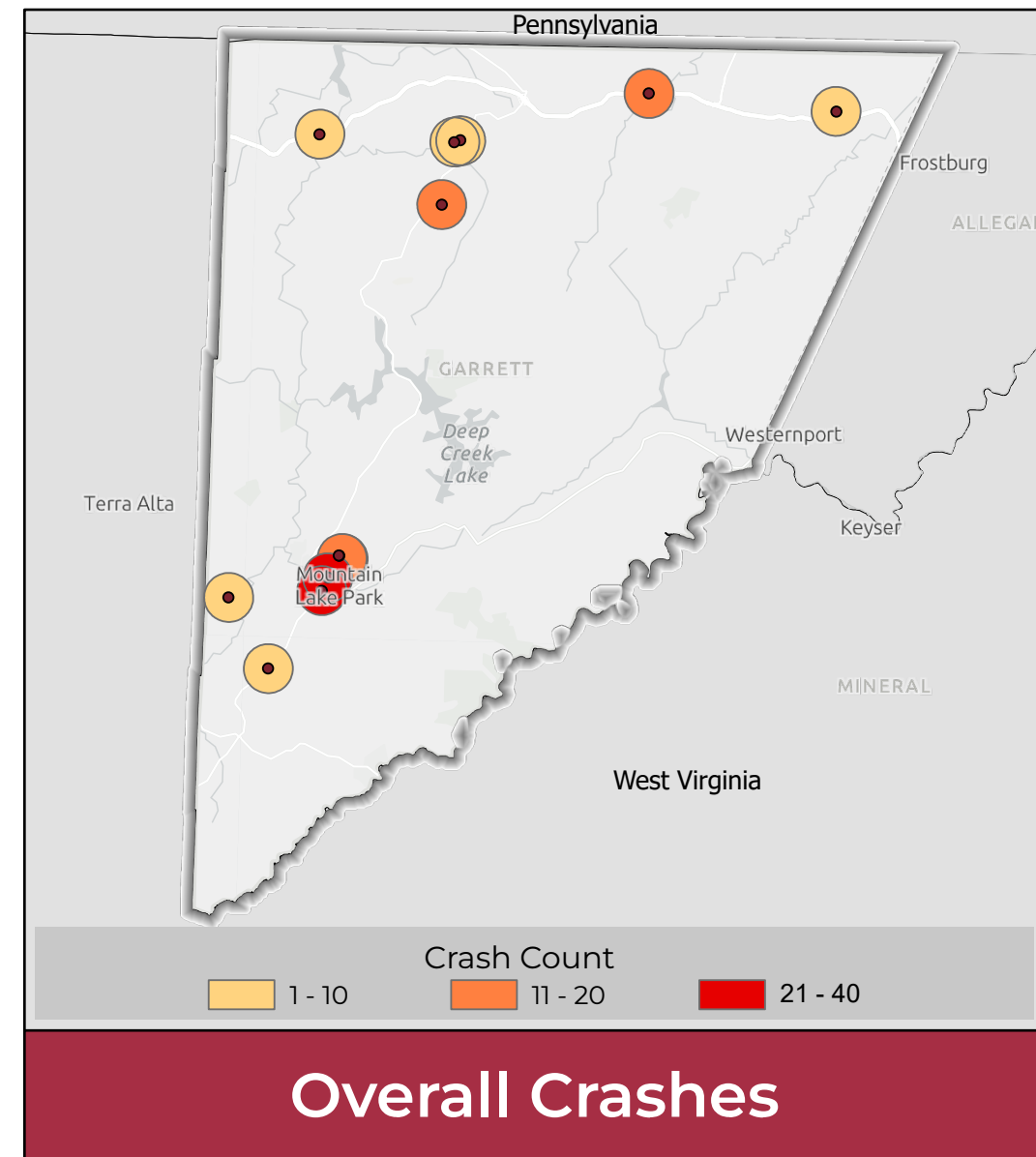


Bicycle Involved Crashes

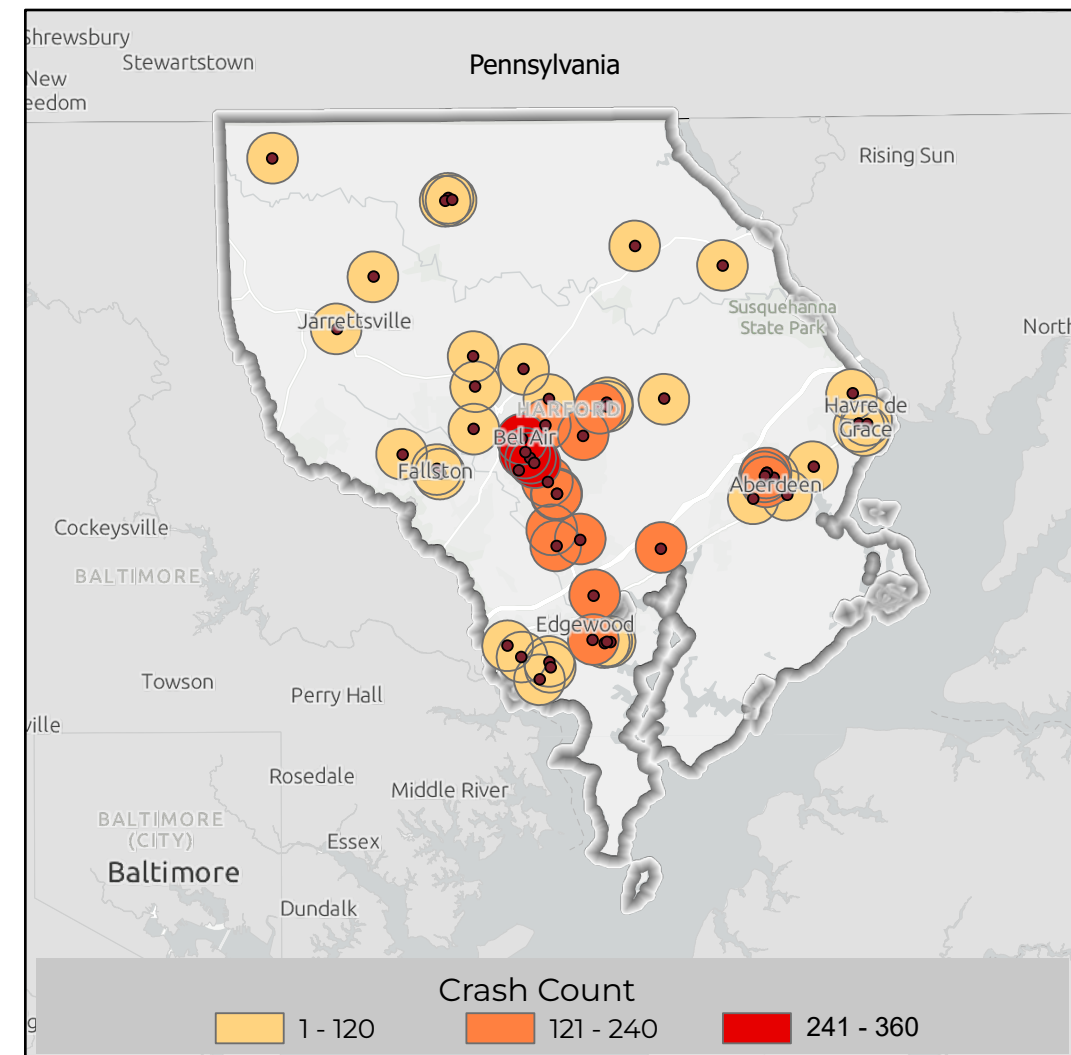


Pedestrian Involved Crashes

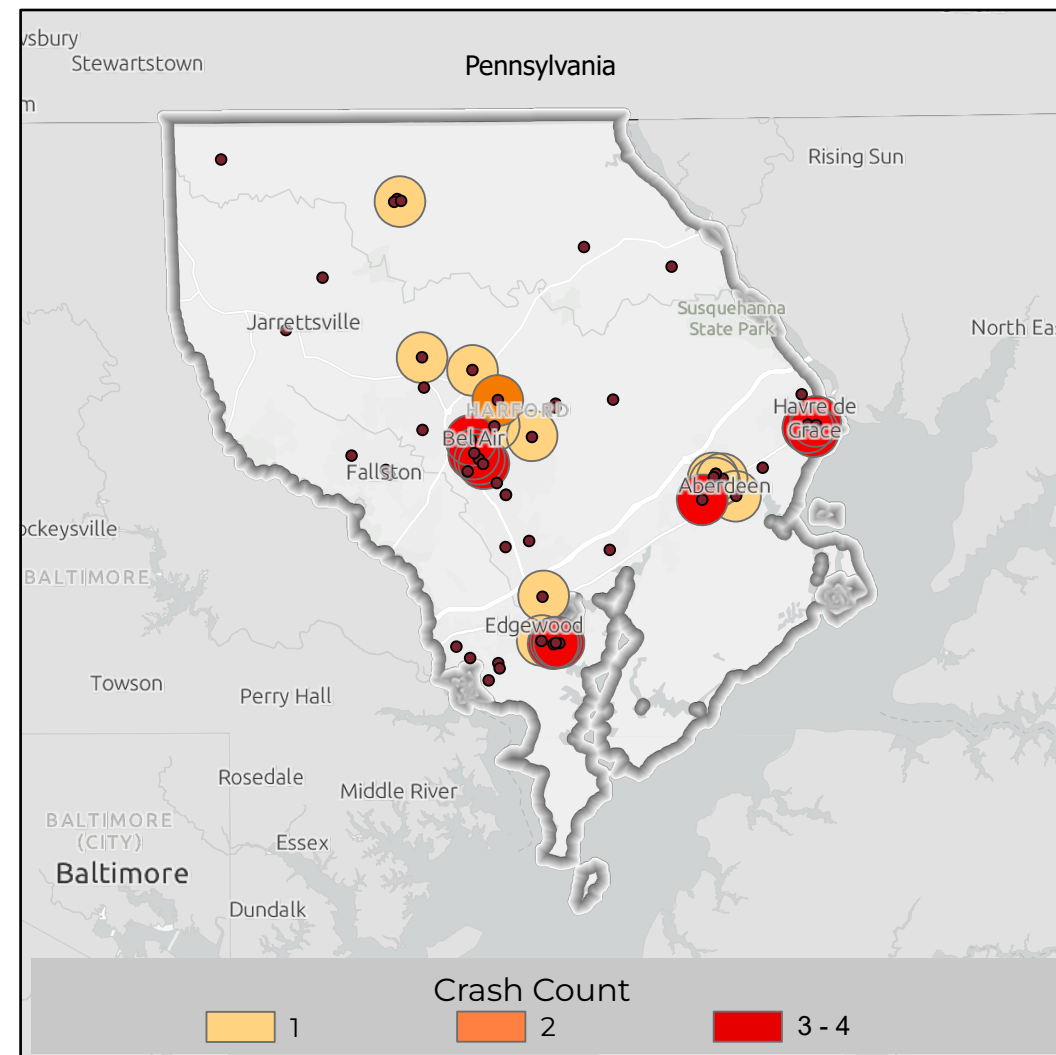
Total Crashes Within One Mile of Public Schools:	9,521	Total Crashes Involving a Bicycle Within One Mile of Public Schools:	1,180	Total Crashes Involving a Pedestrian Within One Mile of Public Schools:	179
Total Crashes Within One Mile of a Public School Involving a School Age Person:	2,753	Total Bicycle Crashes Involving a School Age Driver during School Hours:	14	Total Pedestrian Crashes Involving a School Age Driver during School Hours:	3
Total Crashes Within One Mile of a Public School involving a School Age Driver:	1,927	Total Bicycle Crashes Involving a School Age Occupant during School Hours:	6	Total Pedestrian Crashes Involving a School Age Occupant during School Hours:	1
Total Crashes Within One Mile of a Public School Involving a School Age Occupant:	725	Total Bicycle Crashes Involving a School Age Cyclist during School Hours:	88	Total Pedestrian Crashes Involving a School Age Pedestrian during School Hours:	41



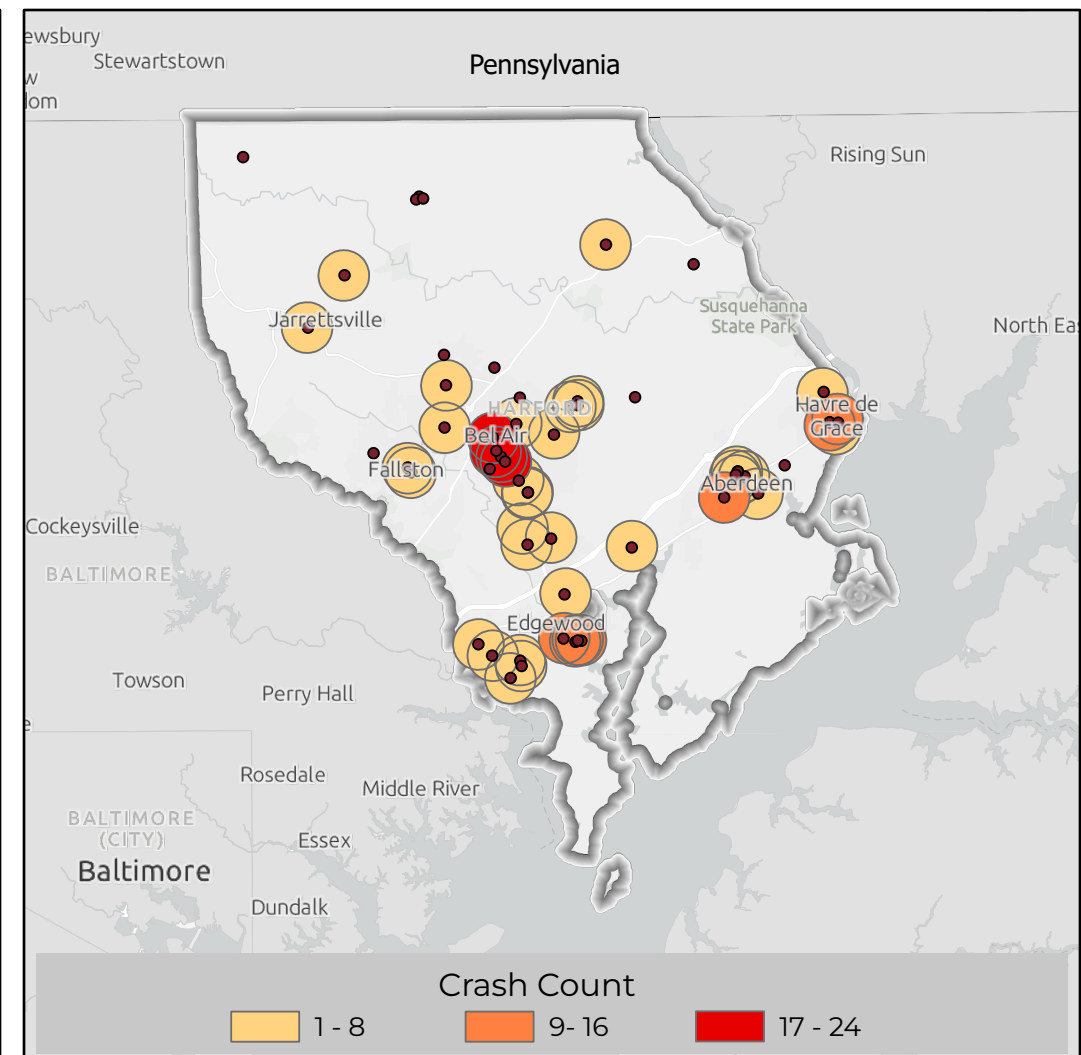
Total Crashes Within One Mile of Public Schools:	444	Total Crashes Involving a Bicycle Within One Mile of Public Schools:	2	Total Crashes Involving a Pedestrian Within One Mile of Public Schools:	3
Total Crashes Within One Mile of a Public School Involving a School Age Person:	107	Total Bicycle Crashes Involving a School Age Driver during School Hours:	0	Total Pedestrian Crashes Involving a School Age Driver during School Hours:	0
Total Crashes Within One Mile of a Public School involving a School Age Driver:	73	Total Bicycle Crashes Involving a School Age Occupant during School Hours:	0	Total Pedestrian Crashes Involving a School Age Occupant during School Hours:	0
Total Crashes Within One Mile of a Public School Involving a School Age Occupant:	29	Total Bicycle Crashes Involving a School Age Cyclist during School Hours:	0	Total Pedestrian Crashes Involving a School Age Pedestrian during School Hours:	0



Overall Crashes



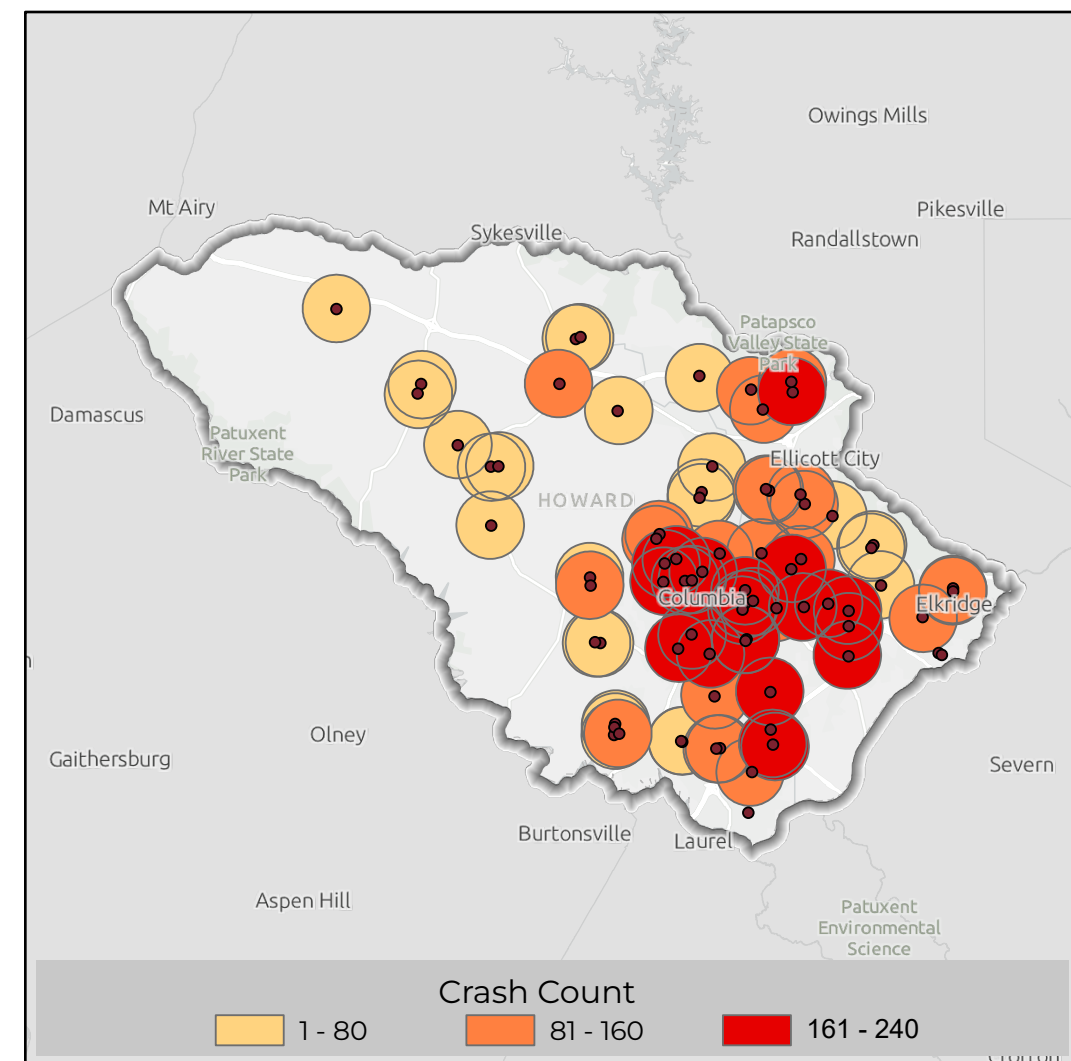
Bicycle Involved Crashes



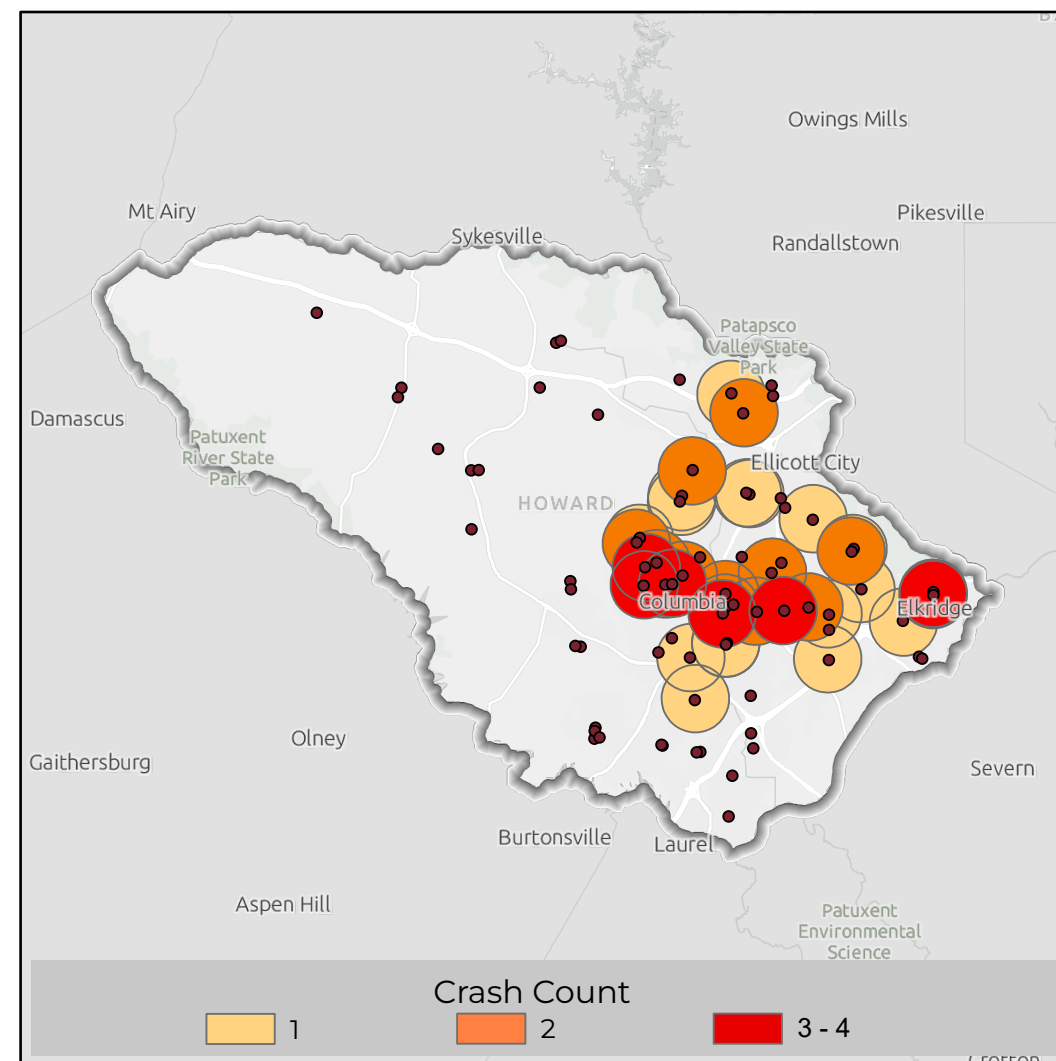
Pedestrian Involved Crashes

Total Crashes Within One Mile of Public Schools:	8,401	Total Crashes Involving a Bicycle Within One Mile of Public Schools:	57	Total Crashes Involving a Pedestrian Within One Mile of Public Schools:	185
Total Crashes Within One Mile of a Public School Involving a School Age Person:	2,931	Total Bicycle Crashes Involving a School Age Driver during School Hours:	1	Total Pedestrian Crashes Involving a School Age Driver during School Hours:	0
Total Crashes Within One Mile of a Public School involving a School Age Driver:	1,906	Total Bicycle Crashes Involving a School Age Occupant during School Hours:	0	Total Pedestrian Crashes Involving a School Age Occupant during School Hours:	0
Total Crashes Within One Mile of a Public School Involving a School Age Occupant:	968	Total Bicycle Crashes Involving a School Age Cyclist during School Hours:	5	Total Pedestrian Crashes Involving a School Age Pedestrian during School Hours:	3

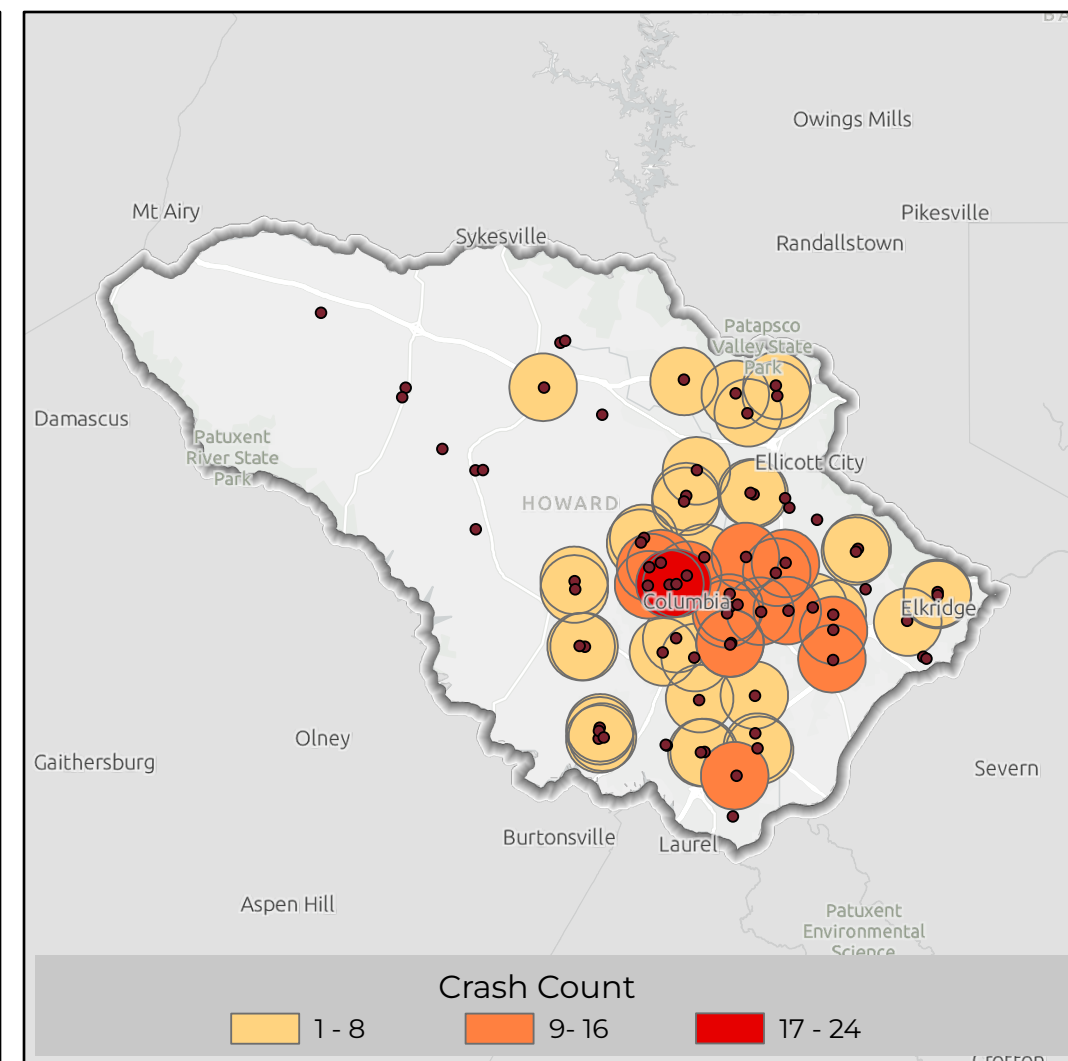
Transportation Safety Study (2016 to 2020 Crash Data)



Overall Crashes



Bicycle Involved Crashes



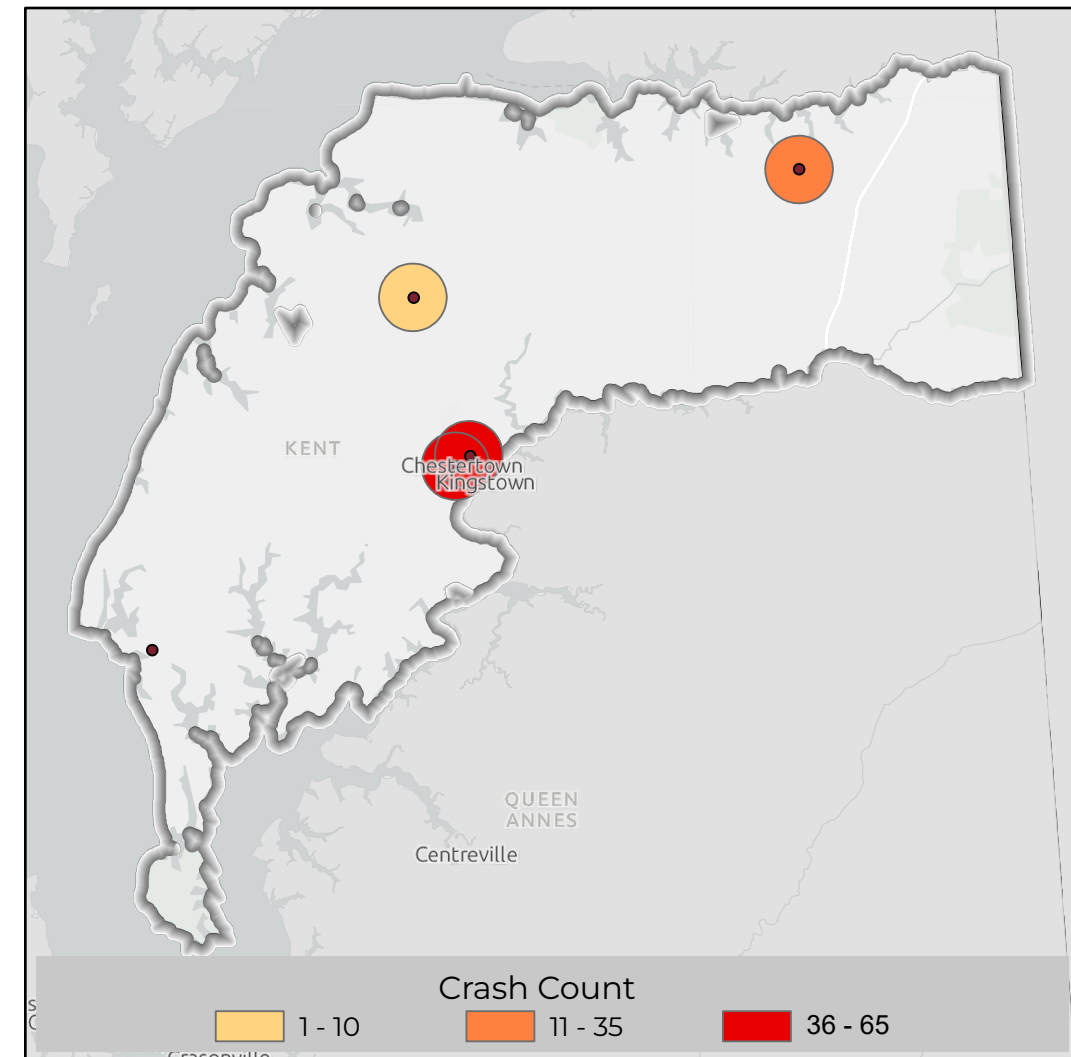
Pedestrian Involved Crashes

Total Crashes Within One Mile of Public Schools:	13,477	Total Crashes Involving a Bicycle Within One Mile of Public Schools:	69	Total Crashes Involving a Pedestrian Within One Mile of Public Schools:	192
Total Crashes Within One Mile of a Public School Involving a School Age Person:	3,677	Total Bicycle Crashes Involving a School Age Driver during School Hours:	0	Total Pedestrian Crashes Involving a School Age Driver during School Hours:	1
Total Crashes Within One Mile of a Public School involving a School Age Driver:	2,292	Total Bicycle Crashes Involving a School Age Occupant during School Hours:	0	Total Pedestrian Crashes Involving a School Age Occupant during School Hours:	1
Total Crashes Within One Mile of a Public School Involving a School Age Occupant:	1,309	Total Bicycle Crashes Involving a School Age Cyclist during School Hours:	16	Total Pedestrian Crashes Involving a School Age Pedestrian during School Hours:	65

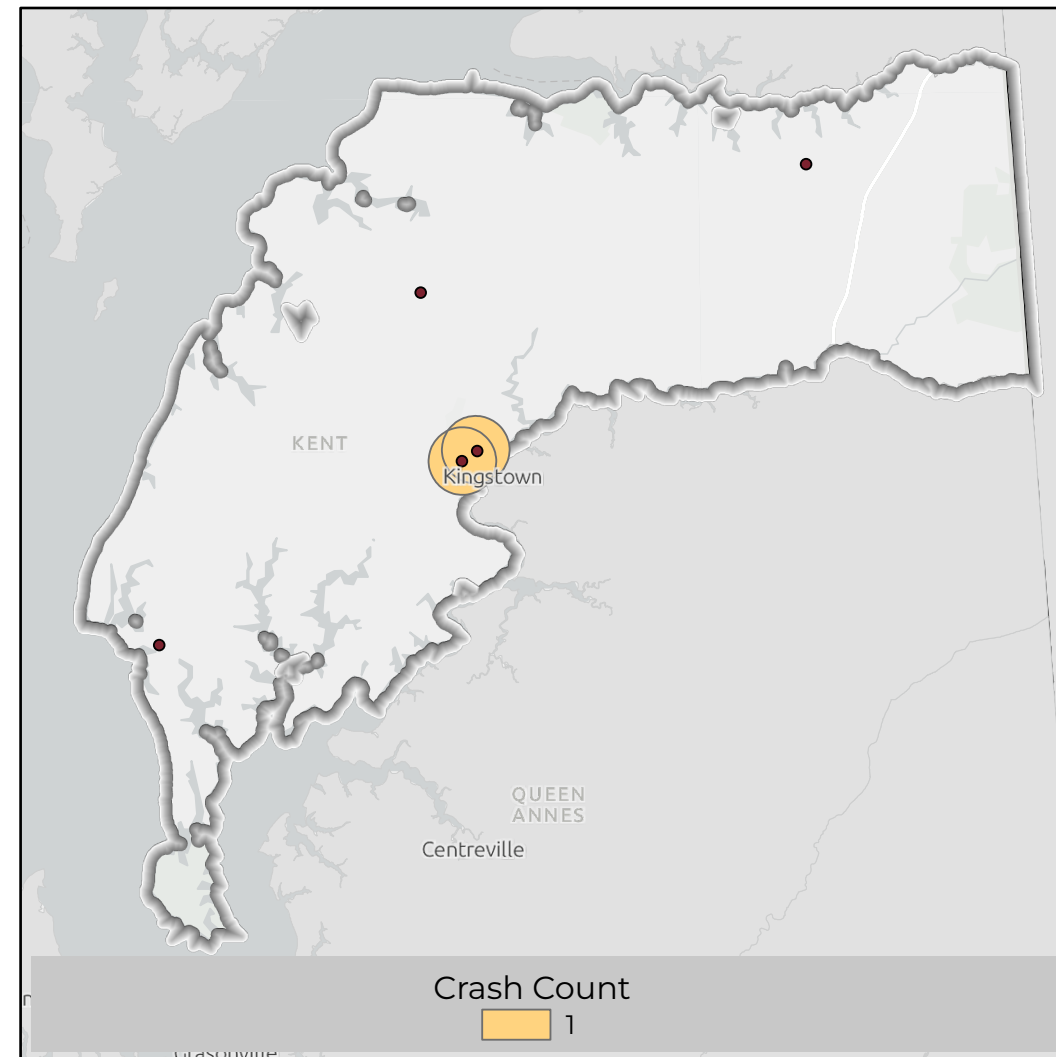
MARYLAND CENTER for SCHOOL SAFETY

Transportation Safety Study (2016 to 2020 Crash Data)

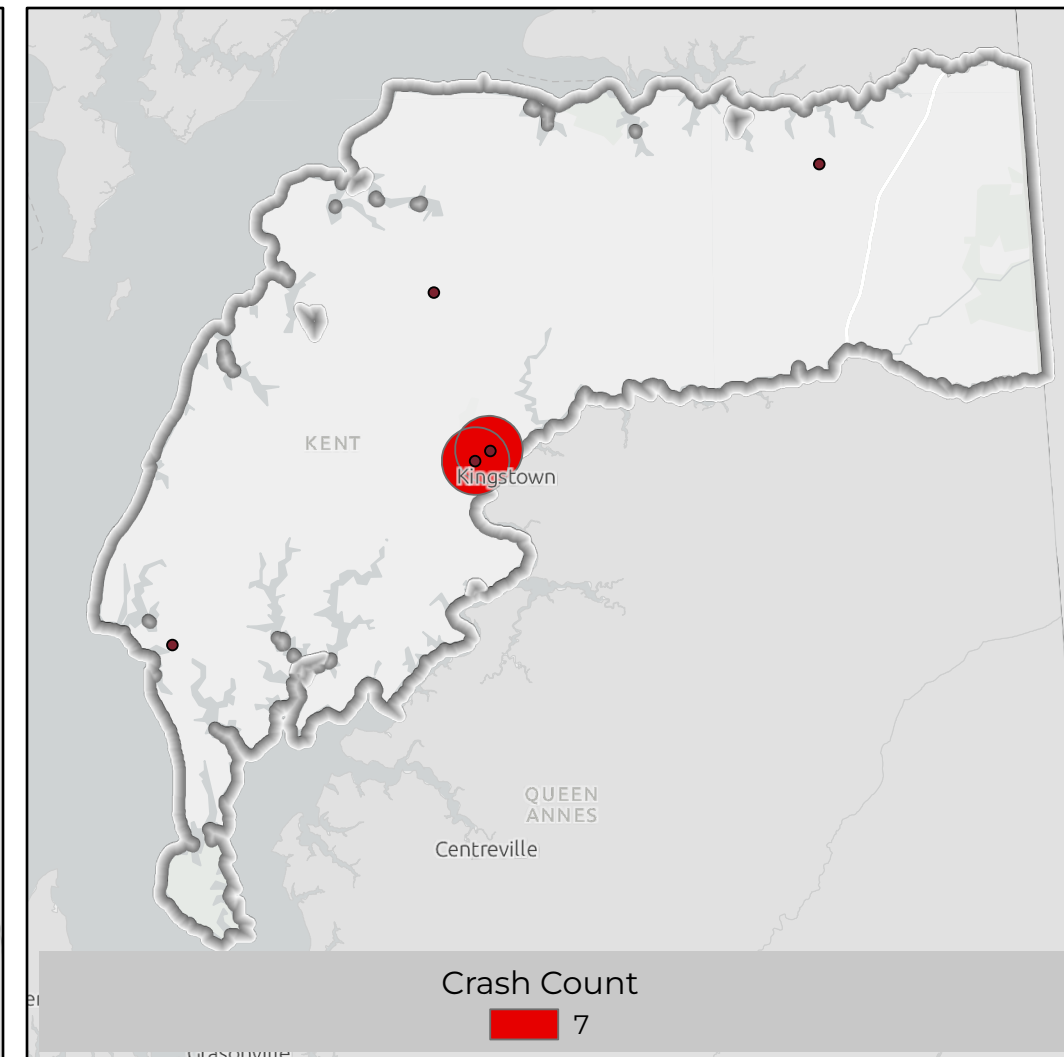
Kent County



Overall Crashes

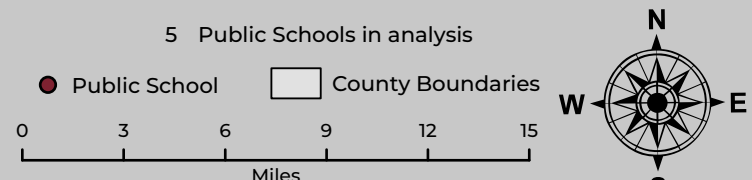


Bicycle Involved Crashes



Pedestrian Involved Crashes

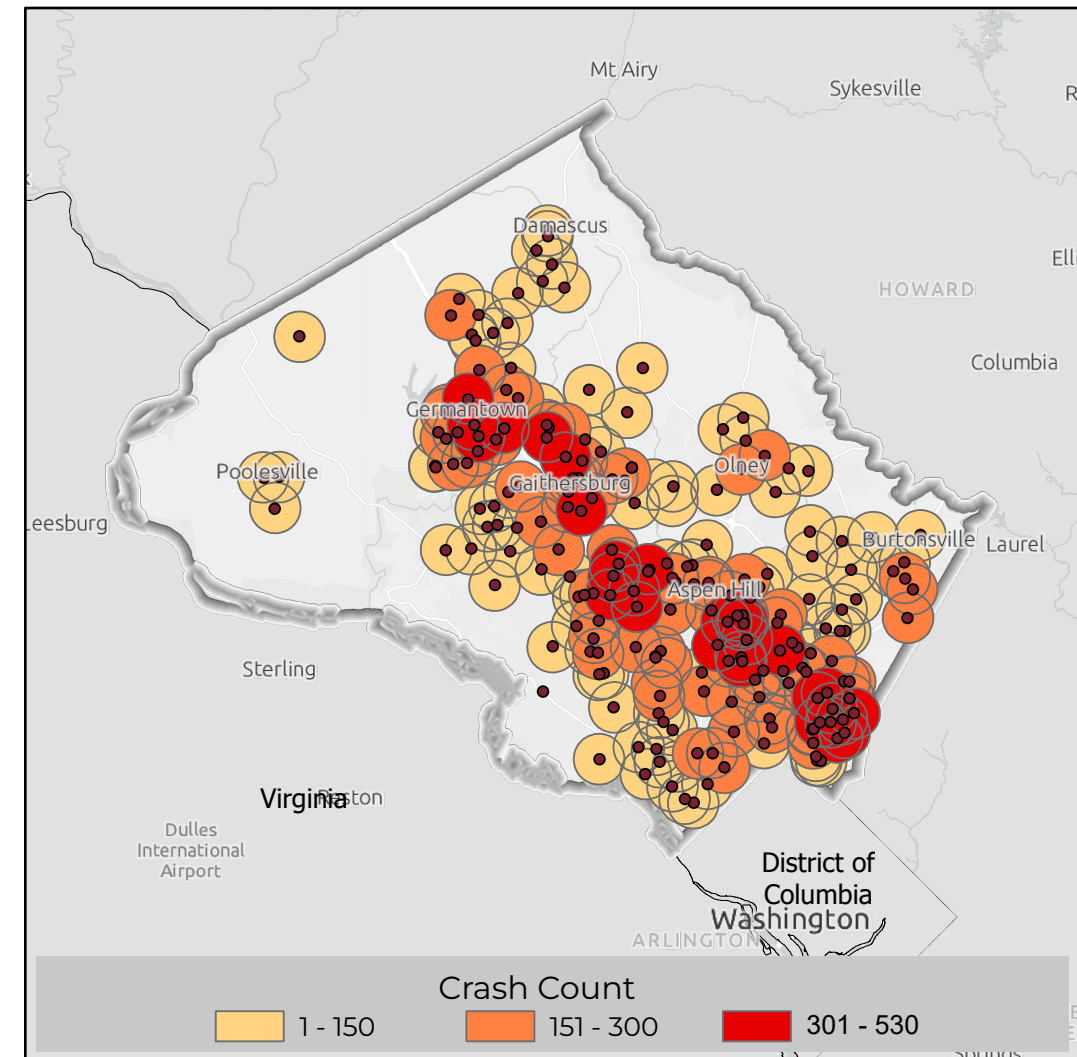
Total Crashes Within One Mile of Public Schools:	273	Total Crashes Involving a Bicycle Within One Mile of Public Schools:	1	Total Crashes Involving a Pedestrian Within One Mile of Public Schools:	12
Total Crashes Within One Mile of a Public School Involving a School Age Person:	74	Total Bicycle Crashes Involving a School Age Driver during School Hours:	0	Total Pedestrian Crashes Involving a School Age Driver during School Hours:	0
Total Crashes Within One Mile of a Public School involving a School Age Driver:	35	Total Bicycle Crashes Involving a School Age Occupant during School Hours:	0	Total Pedestrian Crashes Involving a School Age Occupant during School Hours:	0
Total Crashes Within One Mile of a Public School Involving a School Age Occupant:	39	Total Bicycle Crashes Involving a School Age Cyclist during School Hours:	1	Total Pedestrian Crashes Involving a School Age Pedestrian during School Hours:	7



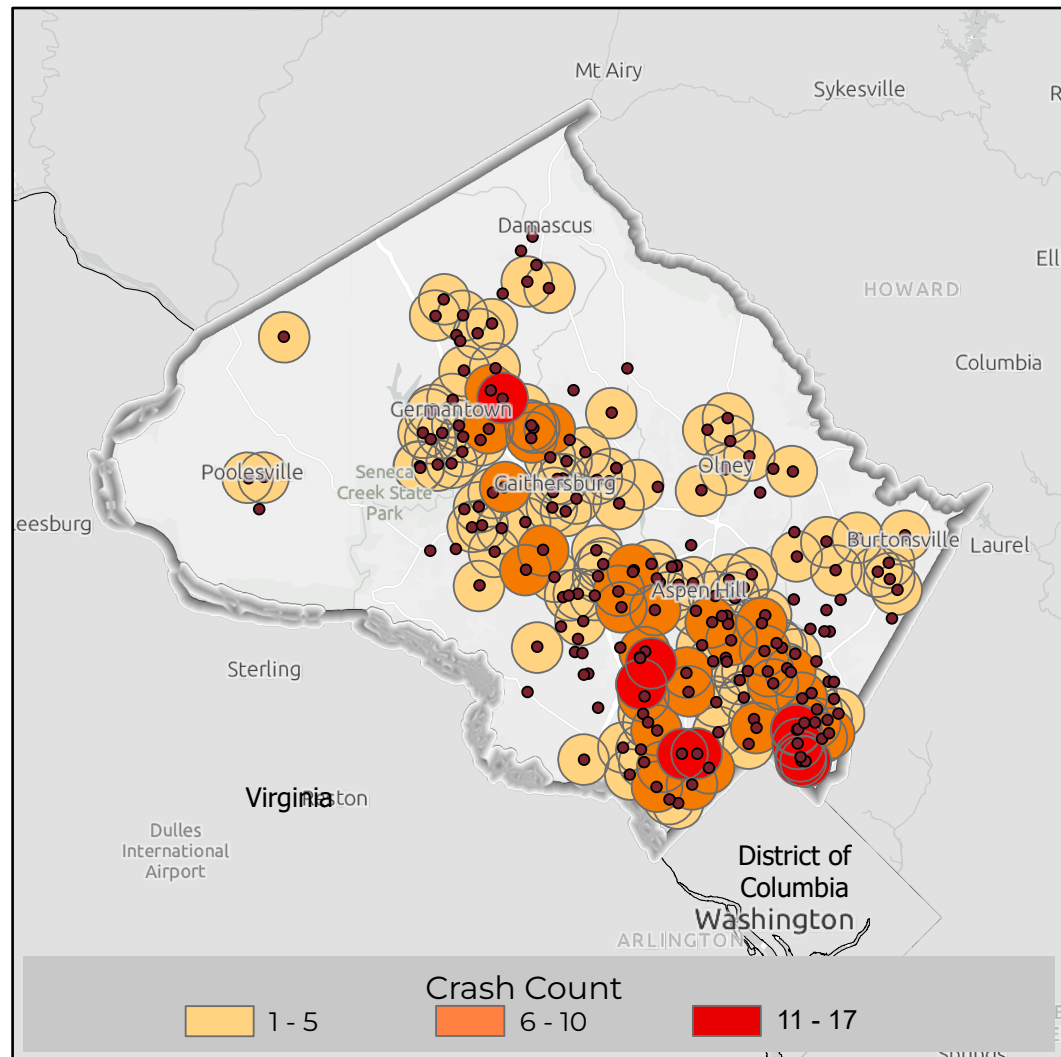
Sources: Washington College GIS Program, State Highway Administration, Maryland Center for School Safety
Disclaimer: The crashes displayed on the map as well as any other information is limited in its scope and purpose. It was compiled and collected for the purpose of identifying, evaluating, and planning safety enhancements, utilizing Federal-aid highway funds pursuant to sections 130, 144 and/or 148 of Title 23 of the United States Code.
Data Notes: Total Crashes include all dates and times, one mile of a school is determined by a one mile radius, school hours refers to 6 AM to 6 PM, school age person is defined as 3-19 years of age by MCSS. Crash counts in the one-mile study area are inclusive of all road types (including IS, MD, US, and other high-speed roadways) in high density (traffic, population) areas.



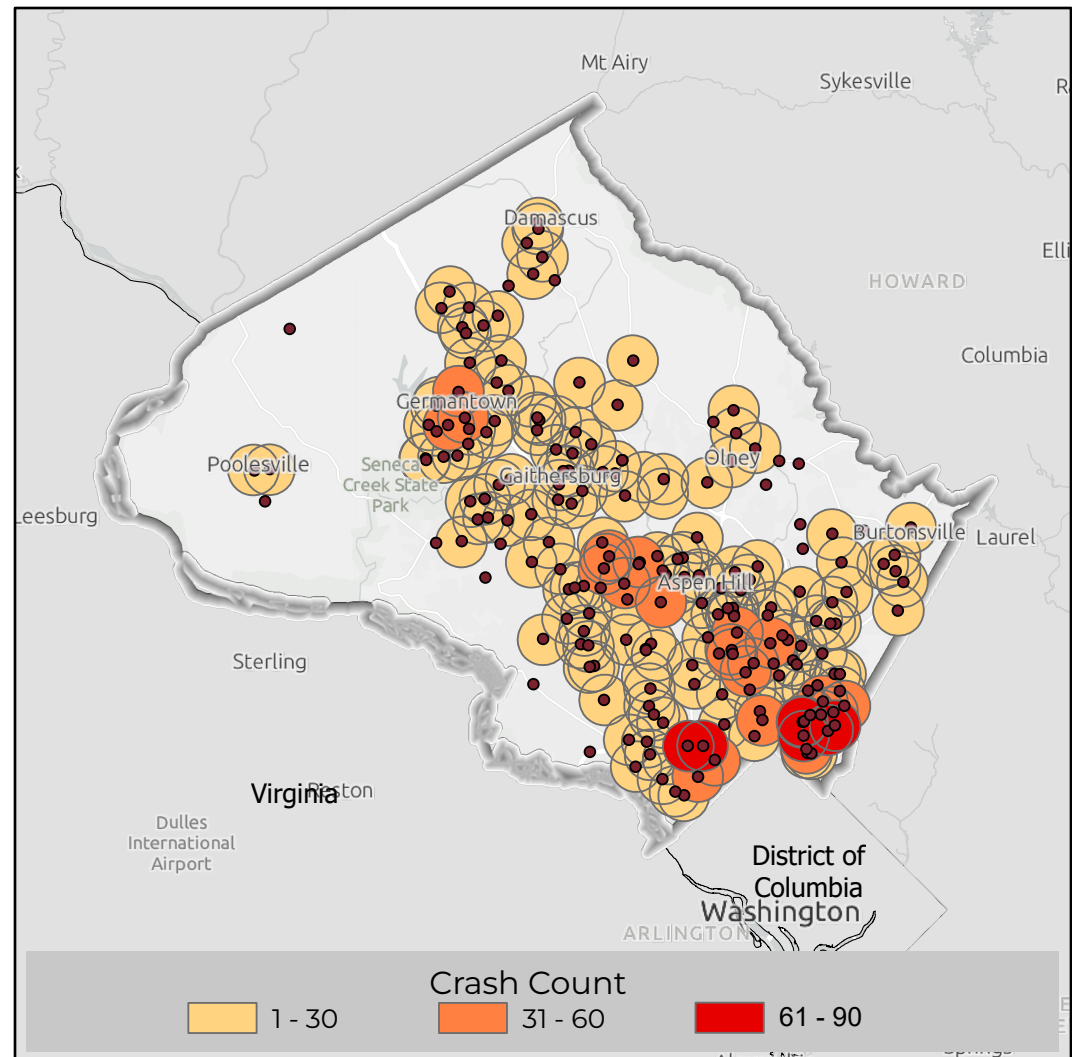
Transportation Safety Study (2016 to 2020 Crash Data)



Overall Crashes



Bicycle Involved Crashes



Pedestrian Involved Crashes

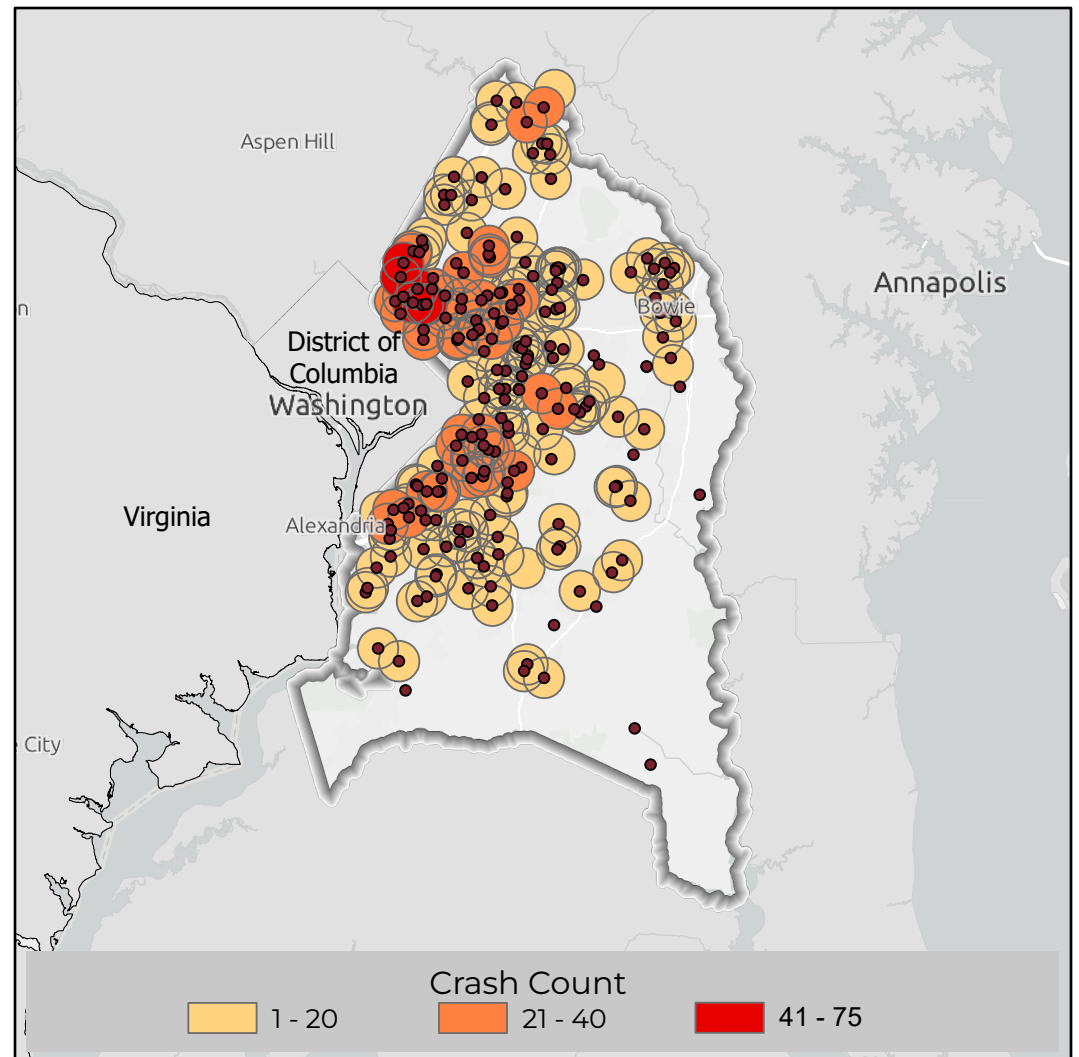
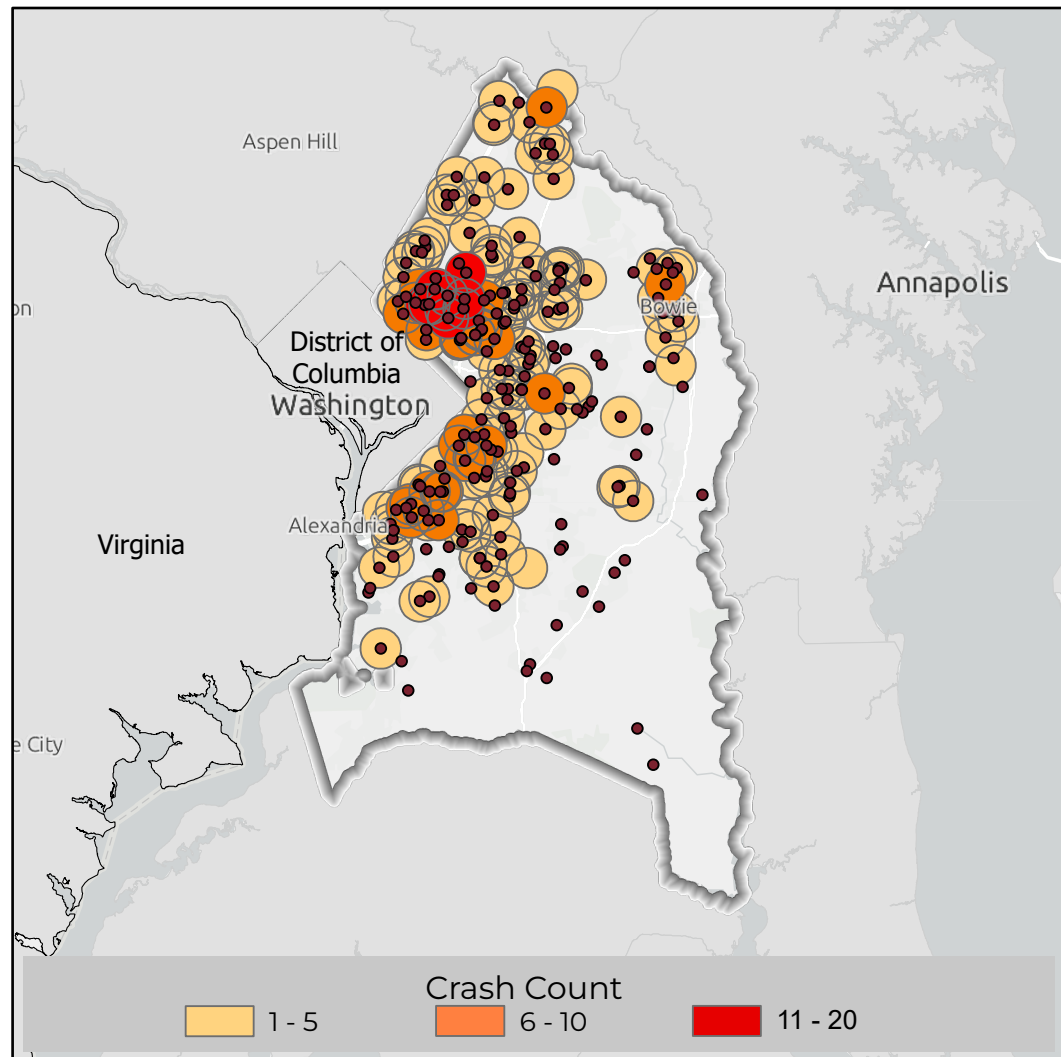
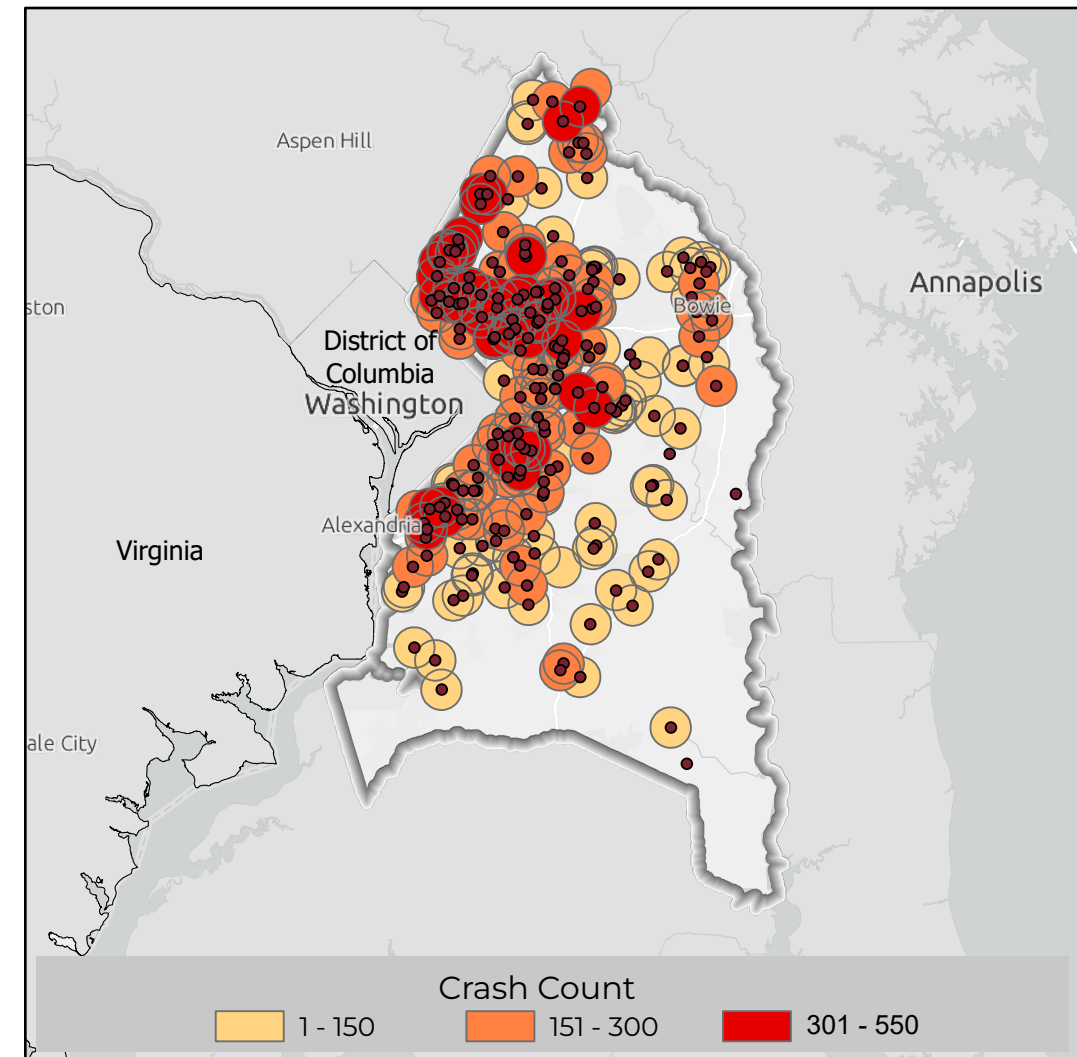
Total Crashes Within One Mile of Public Schools:	55,038	Total Crashes Involving a Bicycle Within One Mile of Public Schools:	525	Total Crashes Involving a Pedestrian Within One Mile of Public Schools:	1,679
Total Crashes Within One Mile of a Public School Involving a School Age Person:	11,104	Total Bicycle Crashes Involving a School Age Driver during School Hours:	2	Total Pedestrian Crashes Involving a School Age Driver during School Hours:	15
Total Crashes Within One Mile of a Public School involving a School Age Driver:	7,206	Total Bicycle Crashes Involving a School Age Occupant during School Hours:	2	Total Pedestrian Crashes Involving a School Age Occupant during School Hours:	2
Total Crashes Within One Mile of a Public School Involving a School Age Occupant:	3,355	Total Bicycle Crashes Involving a School Age Cyclist during School Hours:	21	Total Pedestrian Crashes Involving a School Age Pedestrian during School Hours:	35

MARYLAND CENTER for SCHOOL SAFETY



Prince George's County

Transportation Safety Study (2016 to 2020 Crash Data)



Overall Crashes

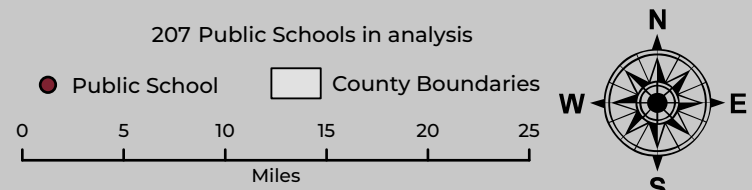
Bicycle Involved Crashes

Pedestrian Involved Crashes

Total Crashes Within One Mile of Public Schools:	74,420
Total Crashes Within One Mile of a Public School Involving a School Age Person:	13,410
Total Crashes Within One Mile of a Public School involving a School Age Driver:	6,218
Total Crashes Within One Mile of a Public School Involving a School Age Occupant:	6,565

Total Crashes Involving a Bicycle Within One Mile of Public Schools:	417
Total Bicycle Crashes Involving a School Age Driver during School Hours:	3
Total Bicycle Crashes Involving a School Age Occupant during School Hours:	2
Total Bicycle Crashes Involving a School Age Cyclist during School Hours:	8

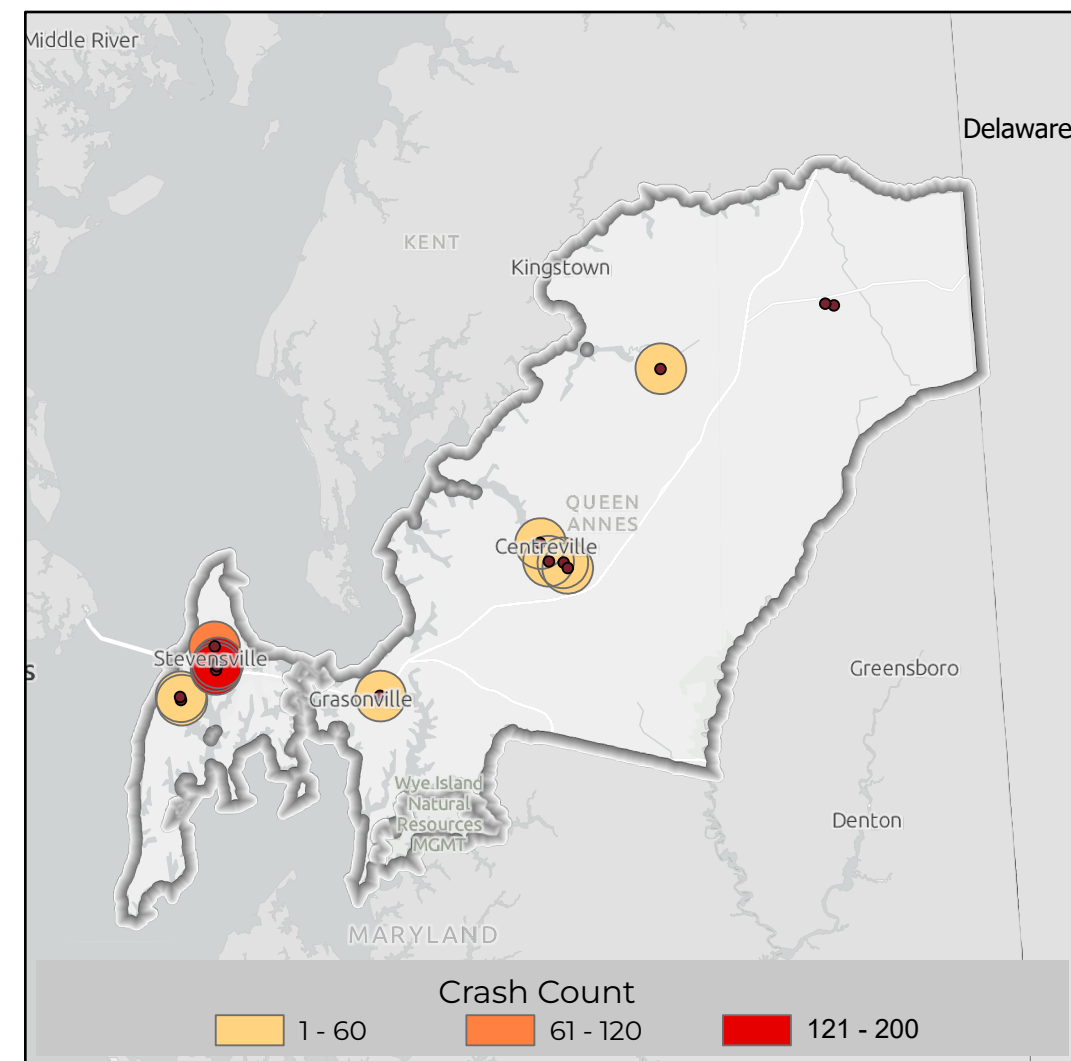
Total Crashes Involving a Pedestrian Within One Mile of Public Schools:	1,772
Total Pedestrian Crashes Involving a School Age Driver during School Hours:	5
Total Pedestrian Crashes Involving a School Age Occupant during School Hours:	2
Total Pedestrian Crashes Involving a School Age Pedestrian during School Hours:	47



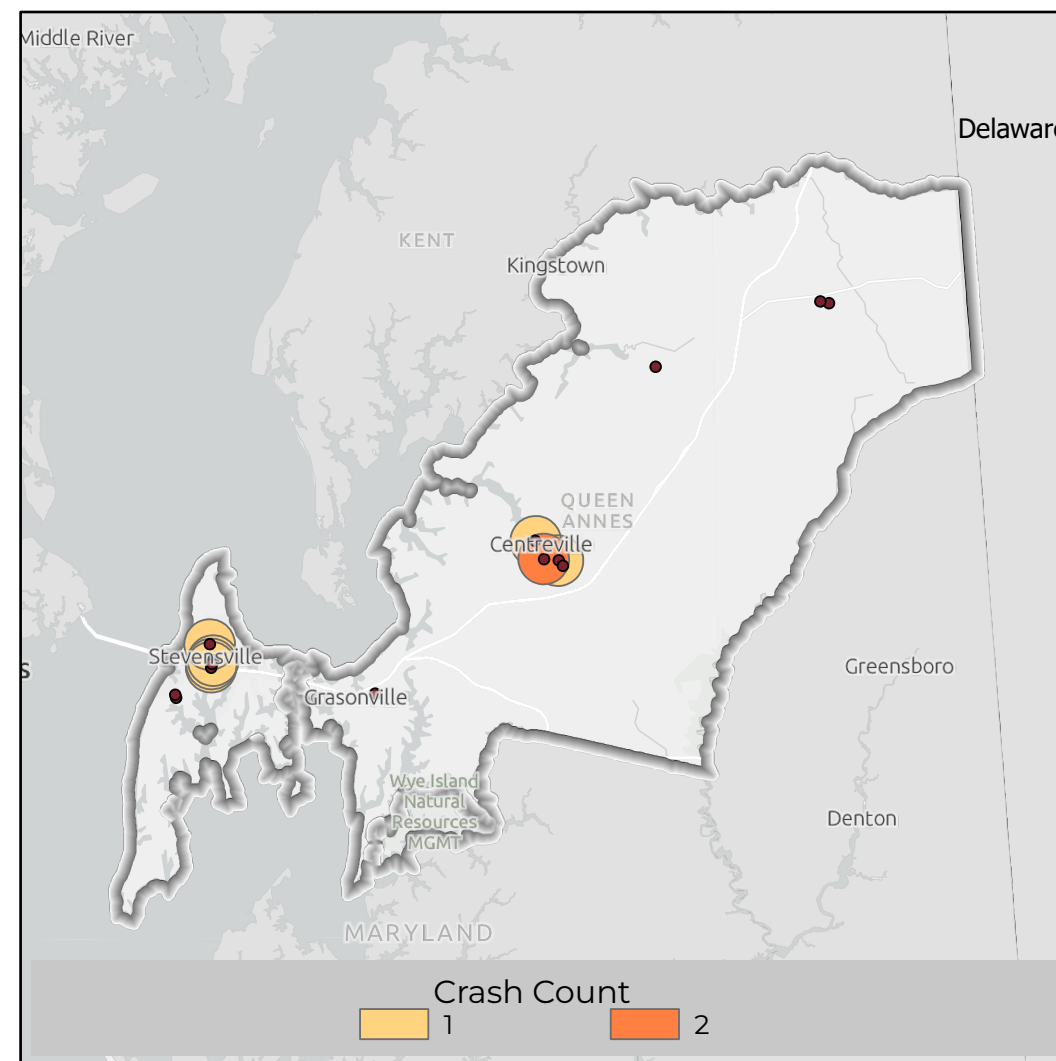
Sources: Washington College GIS Program, State Highway Administration, Maryland Center for School Safety
Disclaimer: The crashes displayed on the map as well as any other information is limited in its scope and purpose. It was compiled and collected for the purpose of identifying, evaluating, and planning safety enhancements, utilizing Federal-aid highway funds pursuant to sections 130, 144 and/or 148 of Title 23 of the United States Code.
Data Notes: Total Crashes include all dates and times, one mile of a school is determined by a one mile radius, school hours refers to 6 AM to 6 PM, school age person is defined as 3-19 years of age by MCSS. Crash counts in the one-mile study area are inclusive of all road types (including IS, MD, US, and other high-speed roadways) in high density (traffic, population) areas.



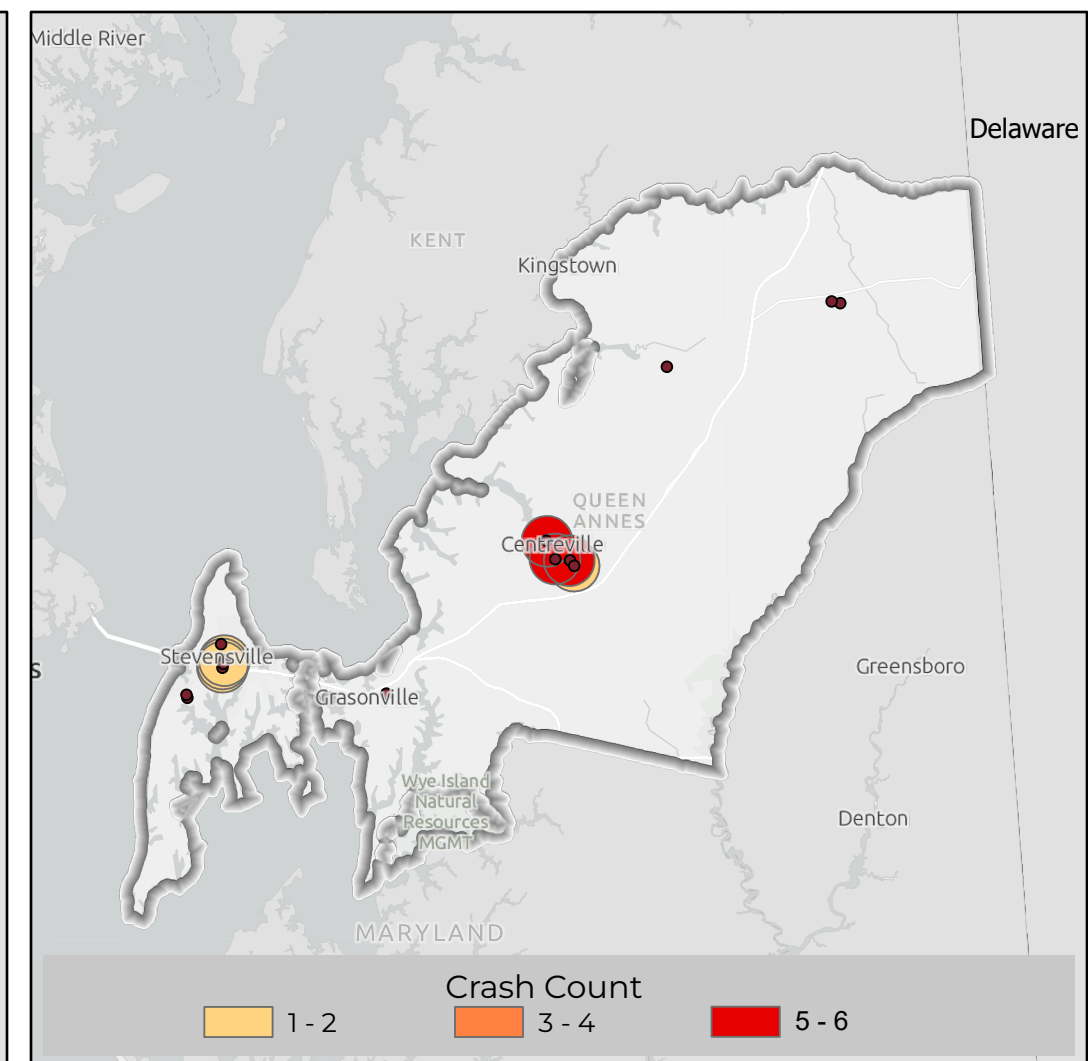
Transportation Safety Study (2016 to 2020 Crash Data)



Overall Crashes



Bicycle Involved Crashes



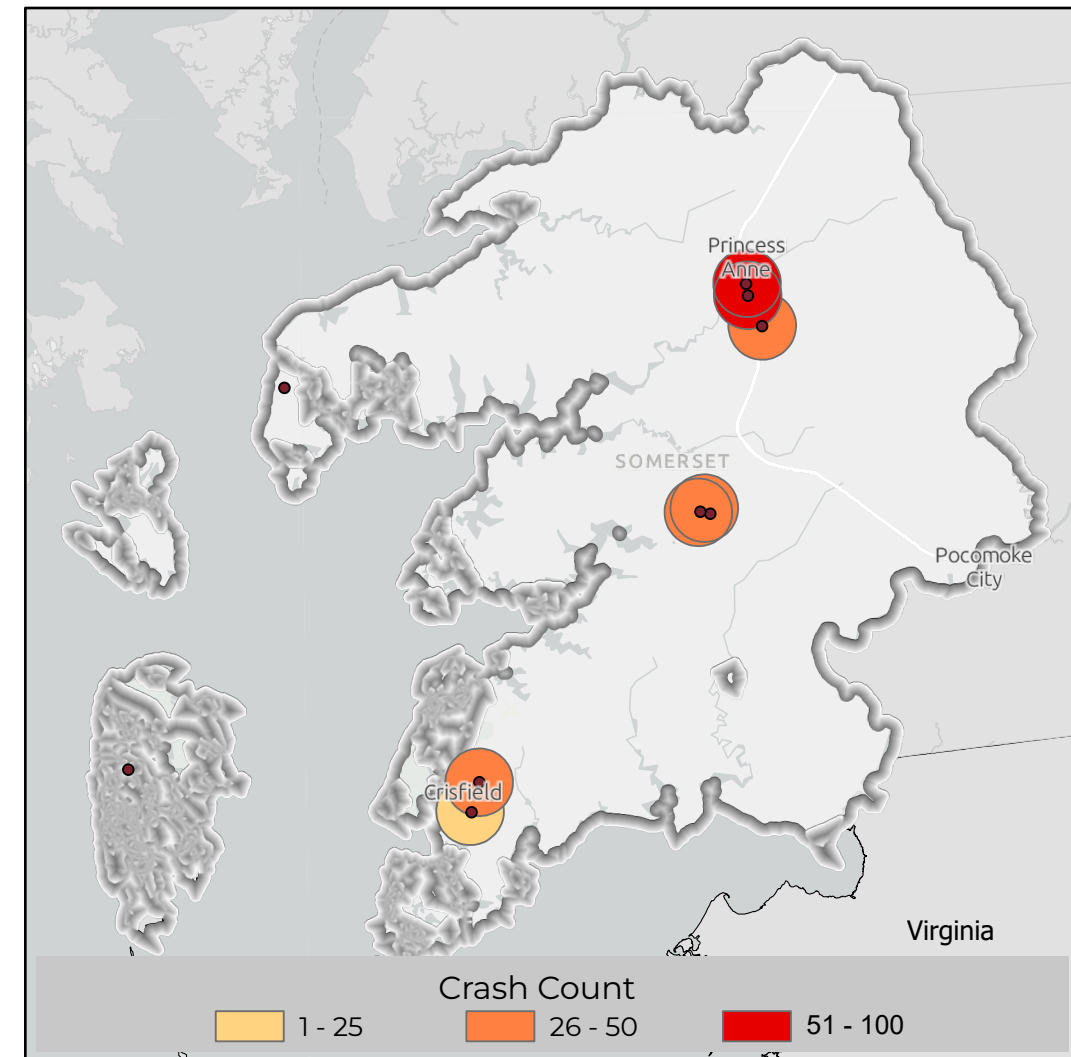
Pedestrian Involved Crashes

Total Crashes Within One Mile of Public Schools:	860	Total Crashes Involving a Bicycle Within One Mile of Public Schools:	6	Total Crashes Involving a Pedestrian Within One Mile of Public Schools:	15
Total Crashes Within One Mile of a Public School Involving a School Age Person:	332	Total Bicycle Crashes Involving a School Age Driver during School Hours:	0	Total Pedestrian Crashes Involving a School Age Driver during School Hours:	0
Total Crashes Within One Mile of a Public School involving a School Age Driver:	230	Total Bicycle Crashes Involving a School Age Occupant during School Hours:	0	Total Pedestrian Crashes Involving a School Age Occupant during School Hours:	0
Total Crashes Within One Mile of a Public School Involving a School Age Occupant:	96	Total Bicycle Crashes Involving a School Age Cyclist during School Hours:	0	Total Pedestrian Crashes Involving a School Age Pedestrian during School Hours:	0

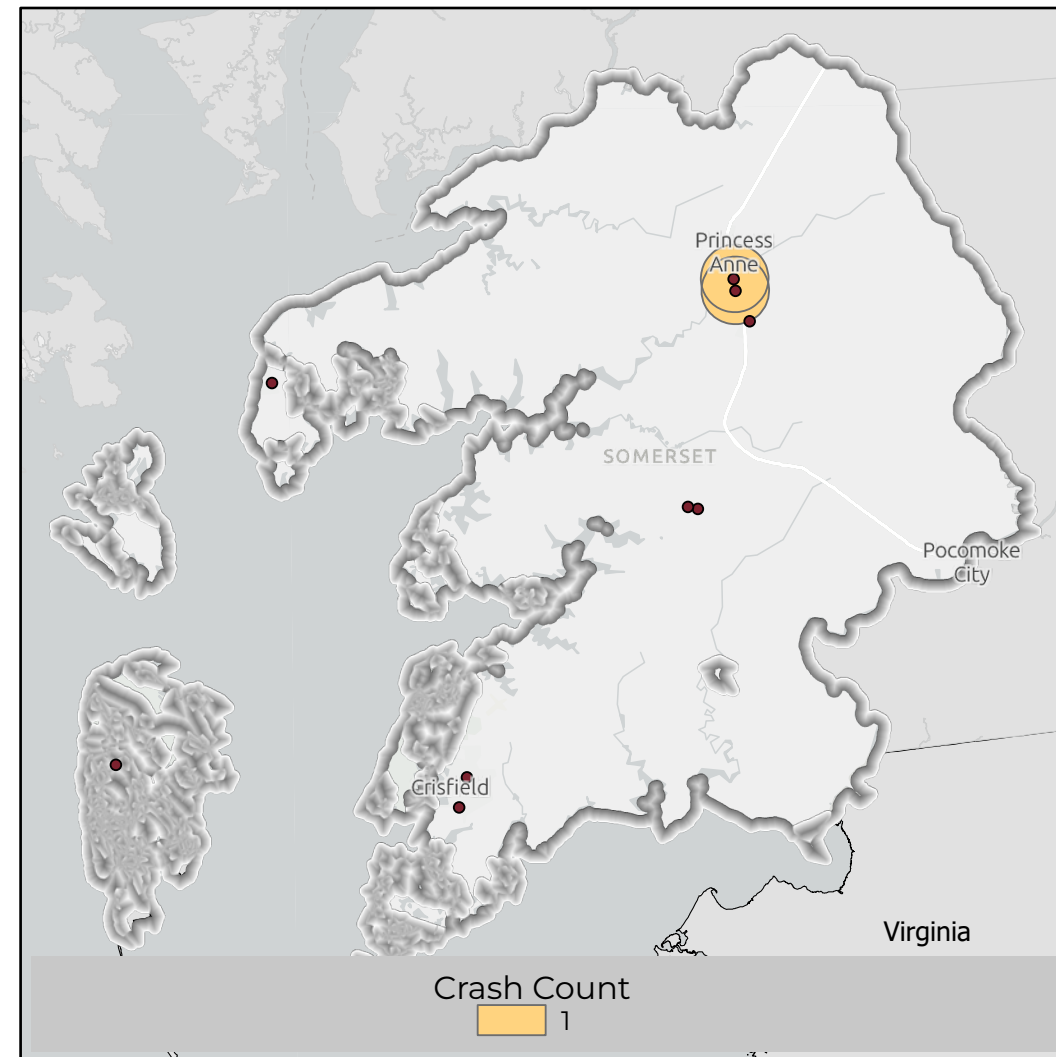
MARYLAND CENTER for SCHOOL SAFETY

Transportation Safety Study (2016 to 2020 Crash Data)

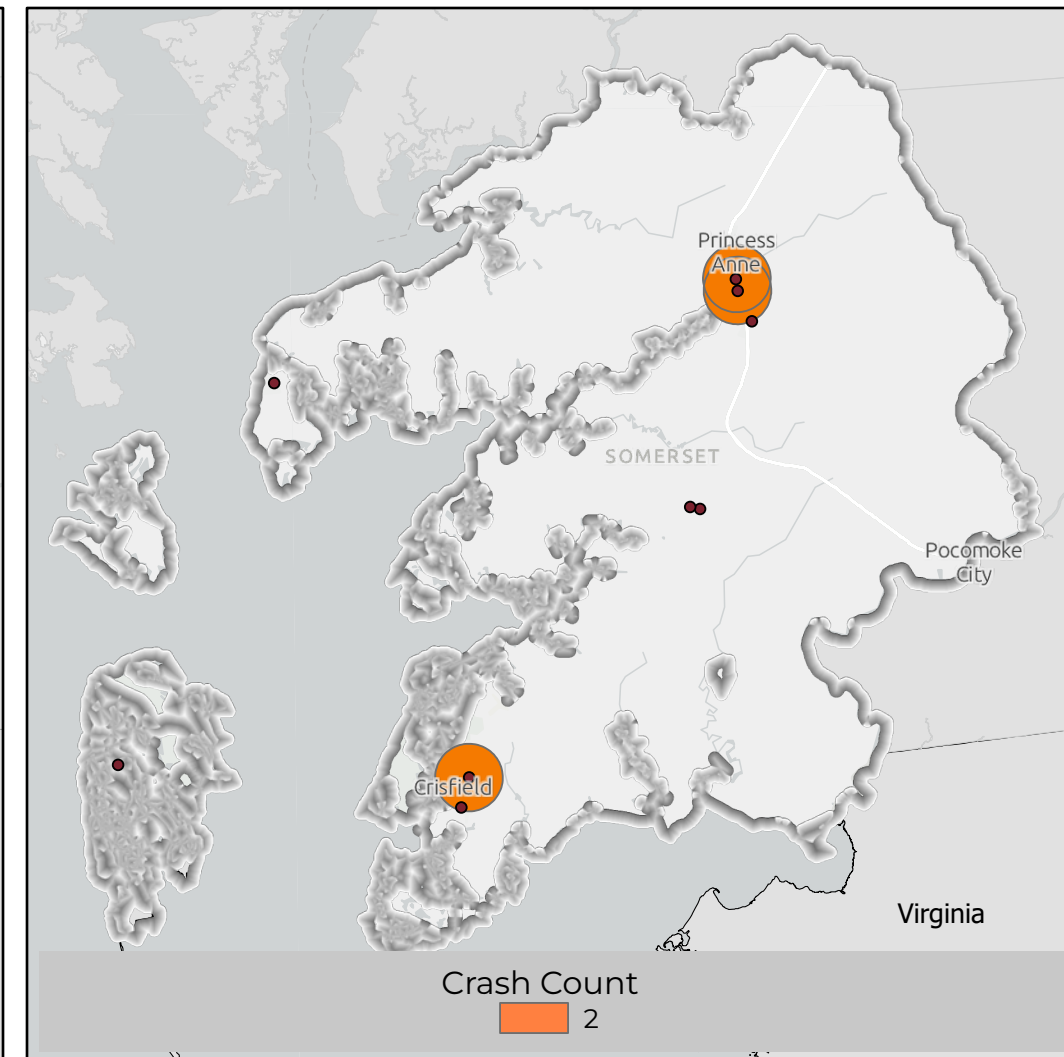
Somerset County



Overall Crashes



Bicycle Involved Crashes



Pedestrian Involved Crashes

Total Crashes Within One Mile of Public Schools:	398
Total Crashes Within One Mile of a Public School Involving a School Age Person:	181
Total Crashes Within One Mile of a Public School involving a School Age Driver:	61
Total Crashes Within One Mile of a Public School Involving a School Age Occupant:	114

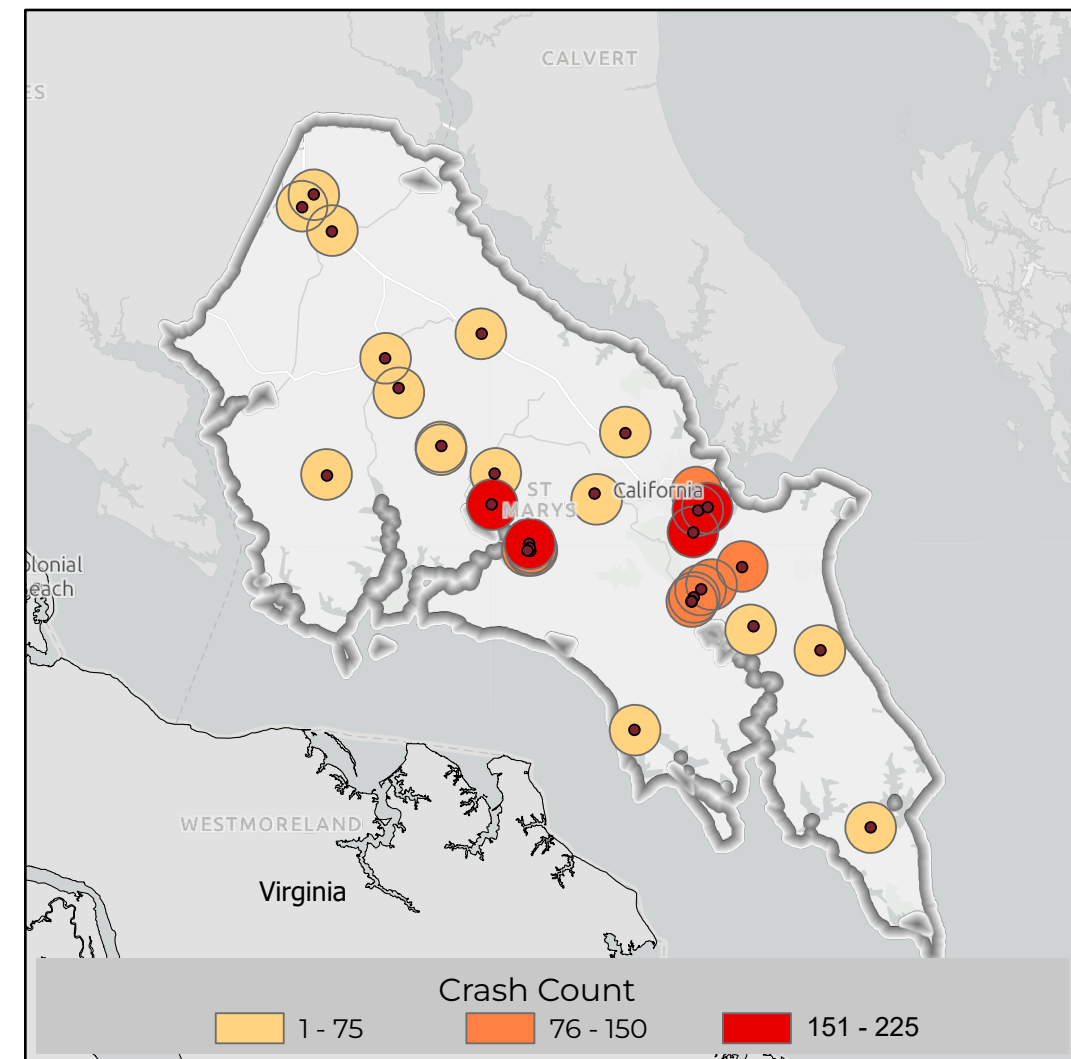
Total Crashes Involving a Bicycle Within One Mile of Public Schools:	1
Total Bicycle Crashes Involving a School Age Driver during School Hours:	0
Total Bicycle Crashes Involving a School Age Occupant during School Hours:	0
Total Bicycle Crashes Involving a School Age Cyclist during School Hours:	0

Total Crashes Involving a Pedestrian Within One Mile of Public Schools:	4
Total Pedestrian Crashes Involving a School Age Driver during School Hours:	0
Total Pedestrian Crashes Involving a School Age Occupant during School Hours:	0
Total Pedestrian Crashes Involving a School Age Pedestrian during School Hours:	1

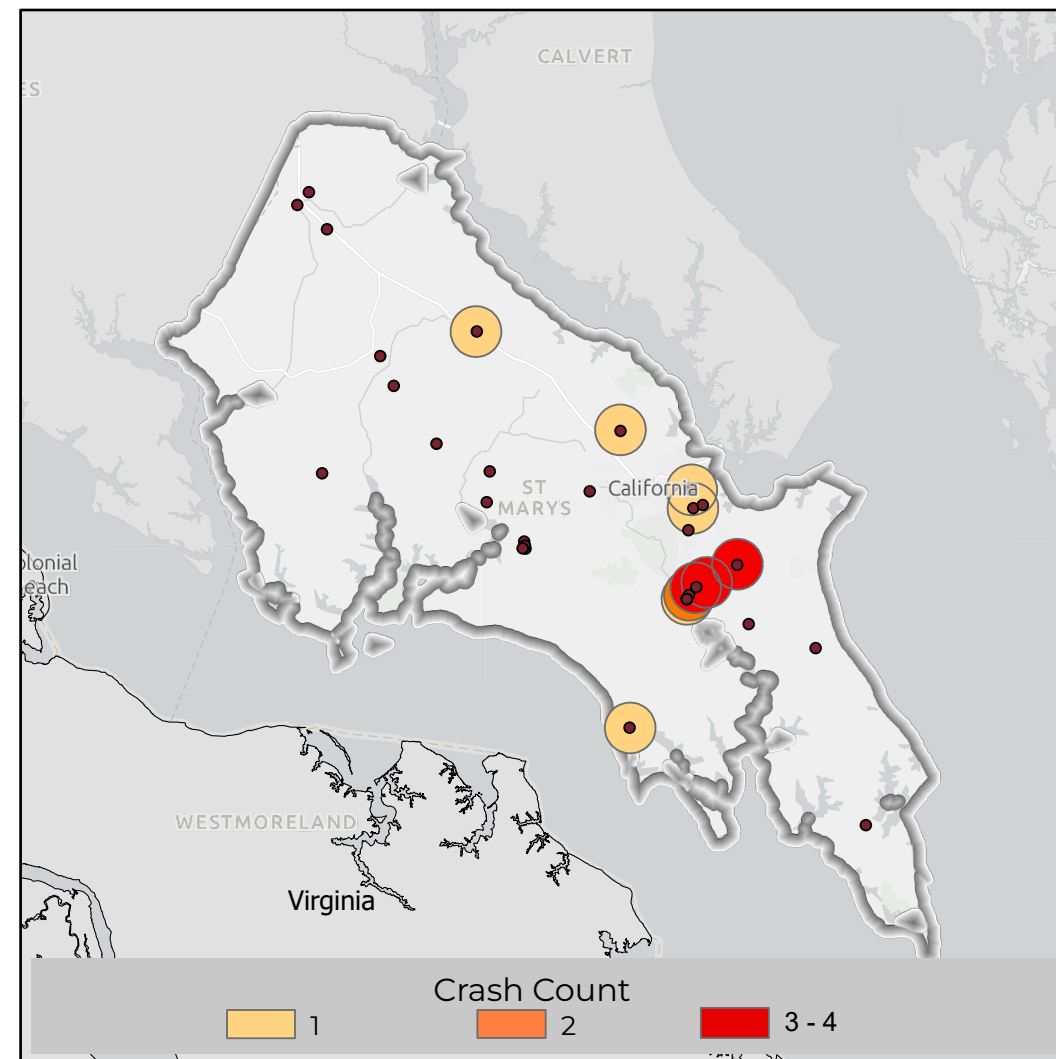
MARYLAND CENTER for SCHOOL SAFETY

Transportation Safety Study (2016 to 2020 Crash Data)

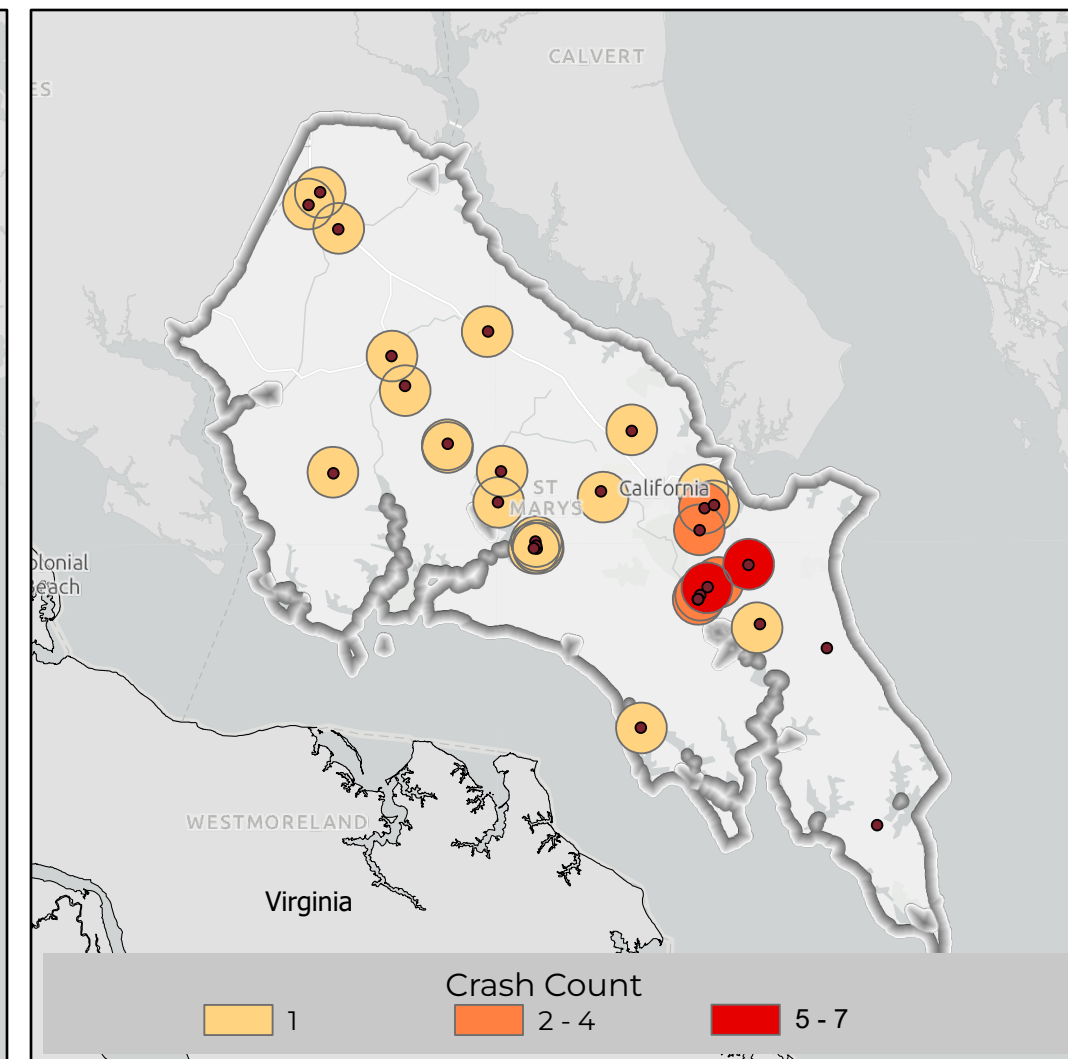
St Mary's County



Overall Crashes



Bicycle Involved Crashes



Pedestrian Involved Crashes

Total Crashes Within One Mile of Public Schools:	3,248
Total Crashes Within One Mile of a Public School Involving a School Age Person:	1,277
Total Crashes Within One Mile of a Public School involving a School Age Driver:	795
Total Crashes Within One Mile of a Public School Involving a School Age Occupant:	475

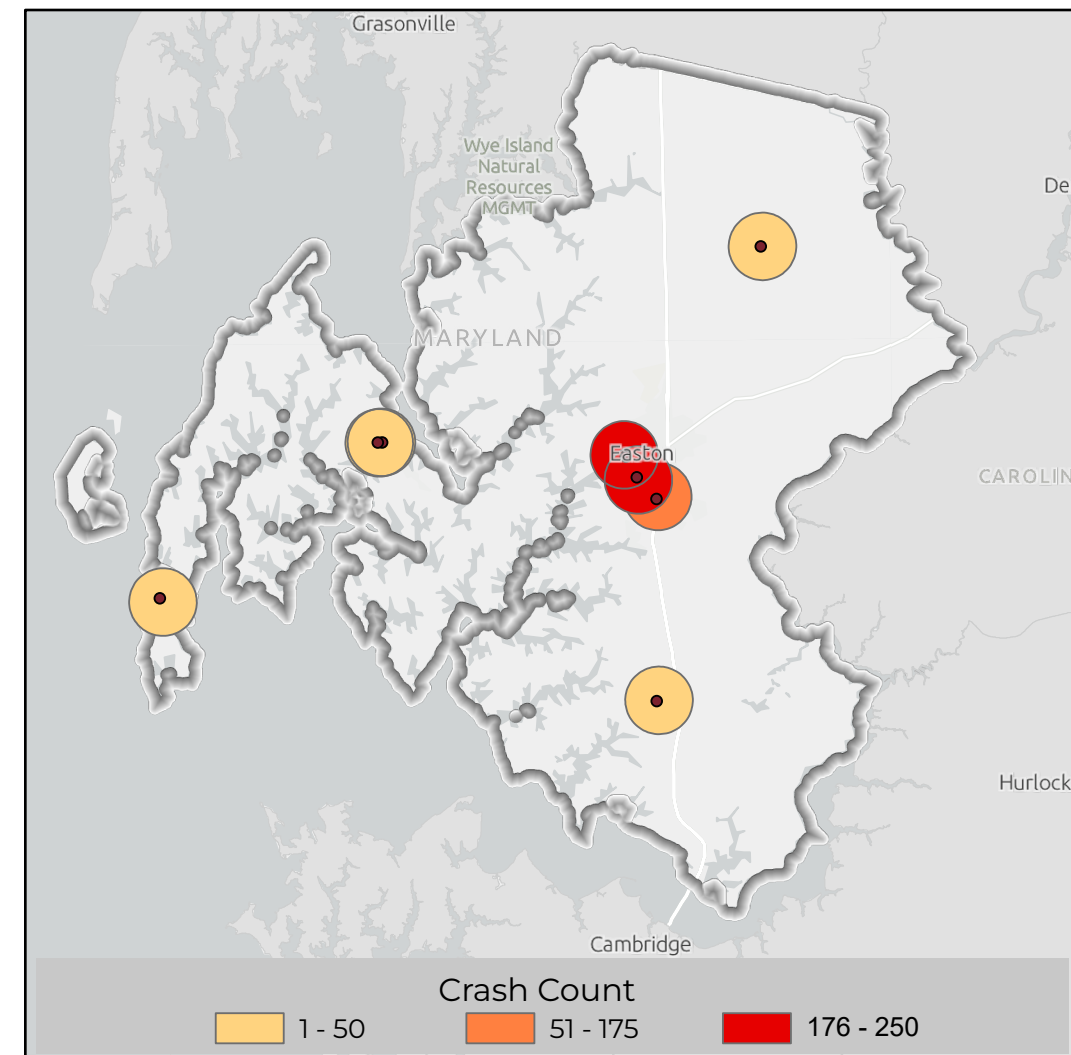
Total Crashes Involving a Bicycle Within One Mile of Public Schools:	25
Total Bicycle Crashes Involving a School Age Driver during School Hours:	0
Total Bicycle Crashes Involving a School Age Occupant during School Hours:	0
Total Bicycle Crashes Involving a School Age Cyclist during School Hours:	0

Total Crashes Involving a Pedestrian Within One Mile of Public Schools:	50
Total Pedestrian Crashes Involving a School Age Driver during School Hours:	1
Total Pedestrian Crashes Involving a School Age Occupant during School Hours:	0
Total Pedestrian Crashes Involving a School Age Pedestrian during School Hours:	1

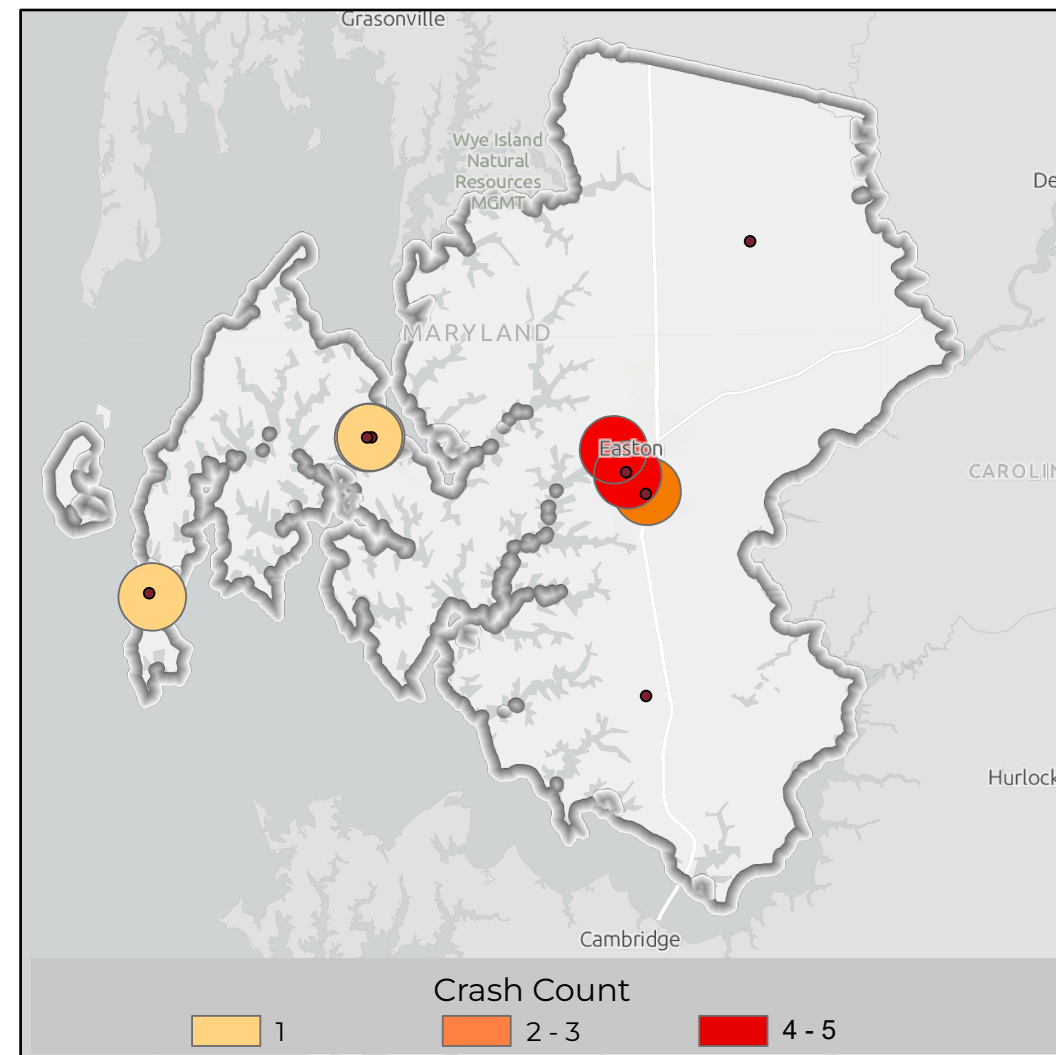
MARYLAND CENTER for SCHOOL SAFETY

Talbot County

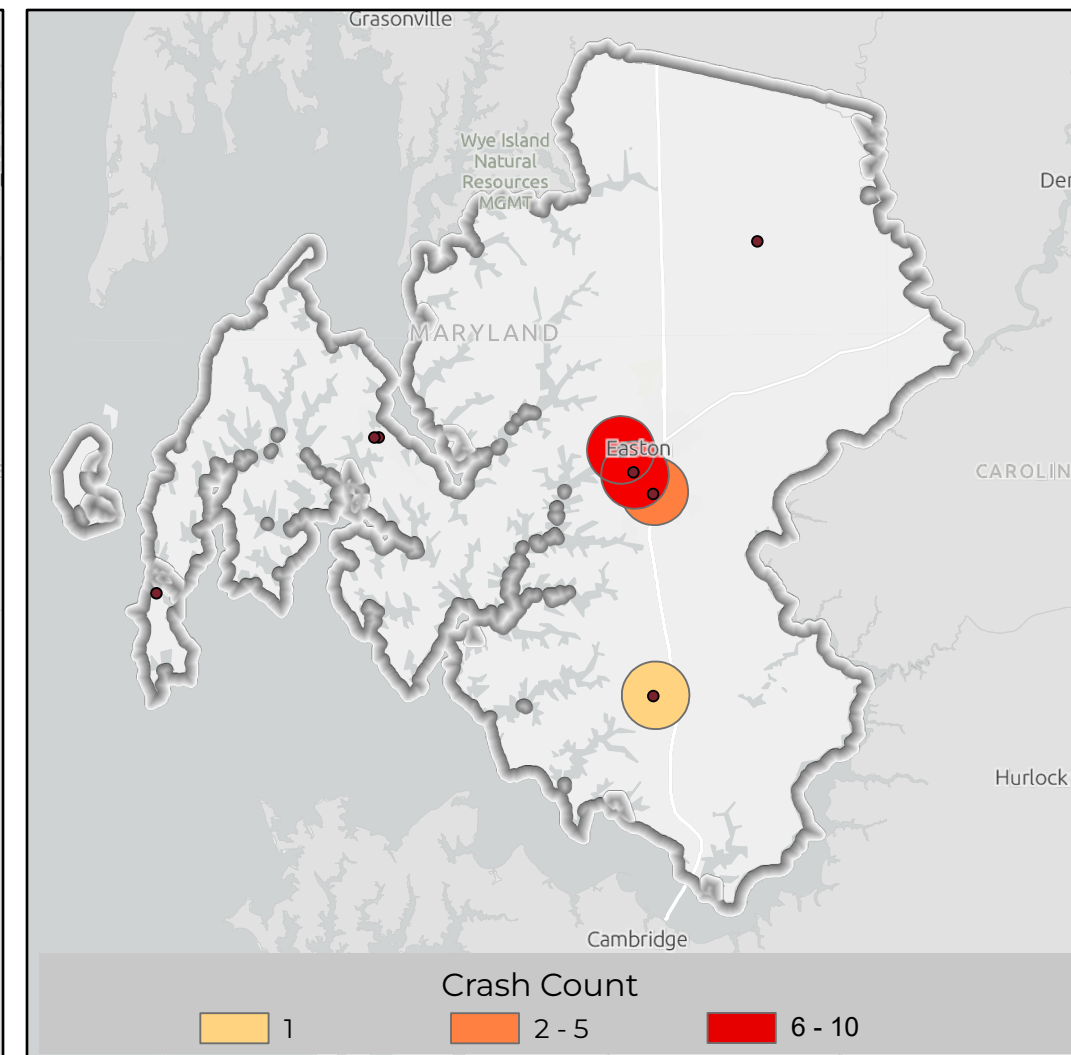
Transportation Safety Study (2016 to 2020 Crash Data)



Overall Crashes

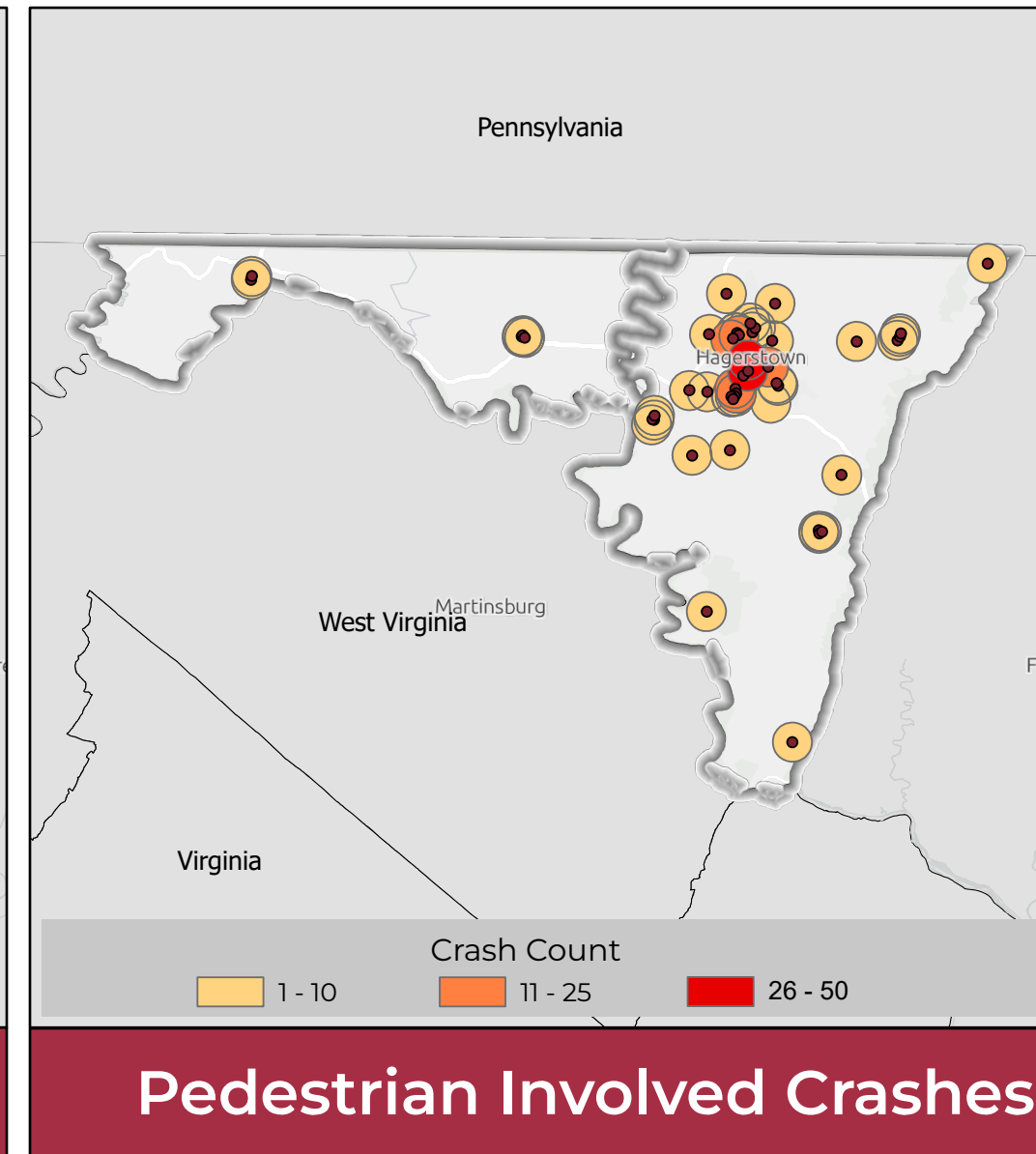
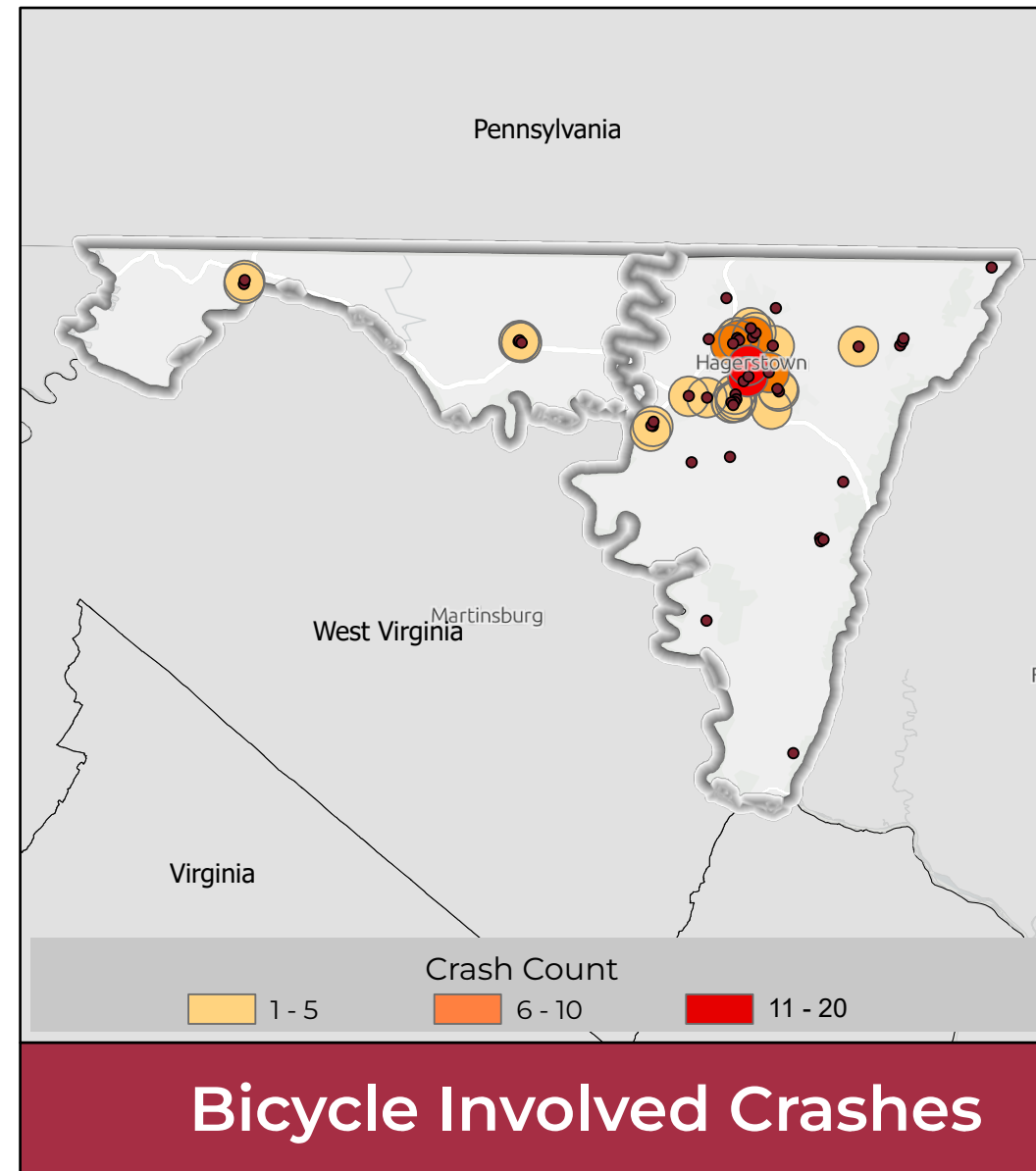
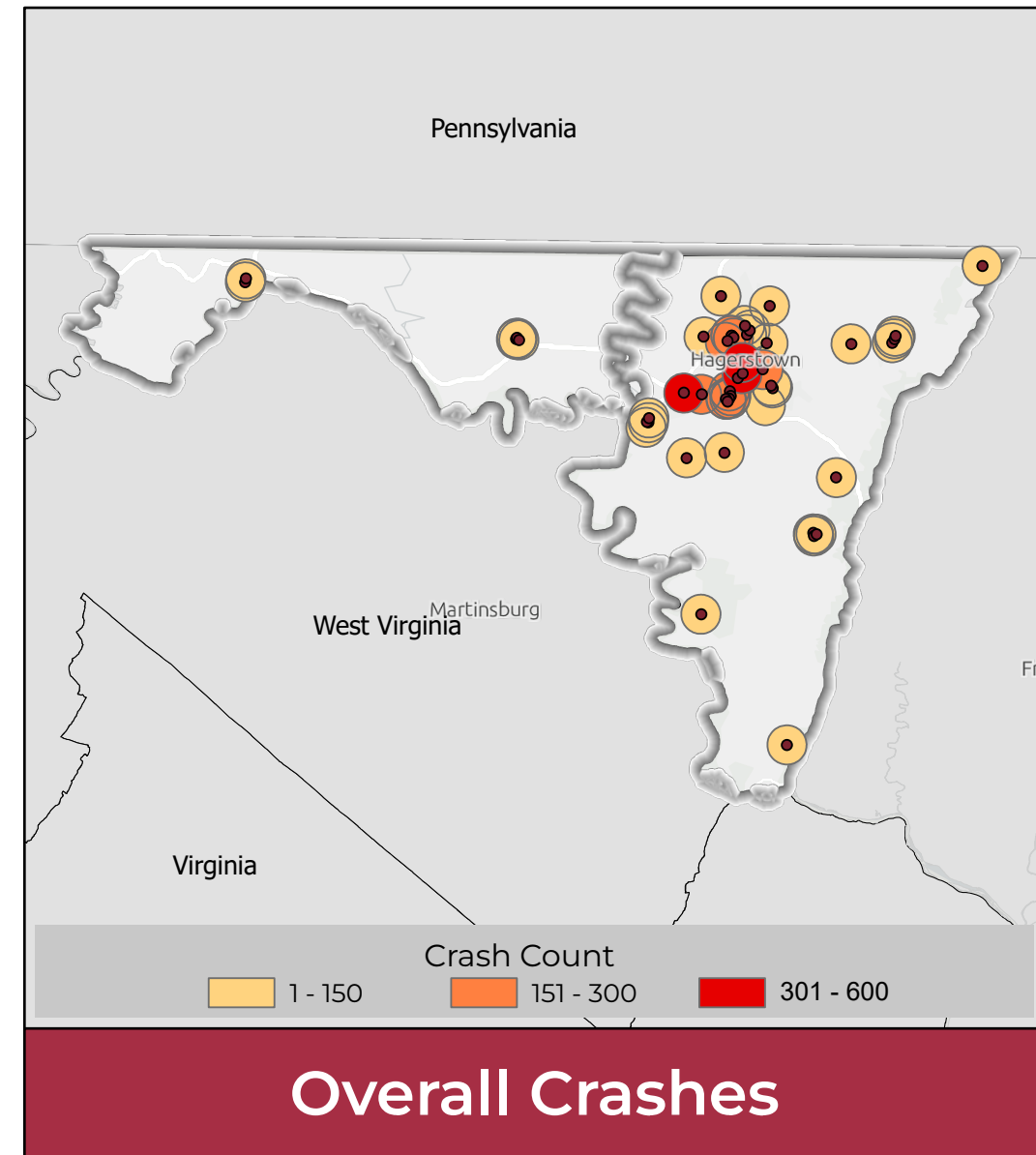


Bicycle Involved Crashes

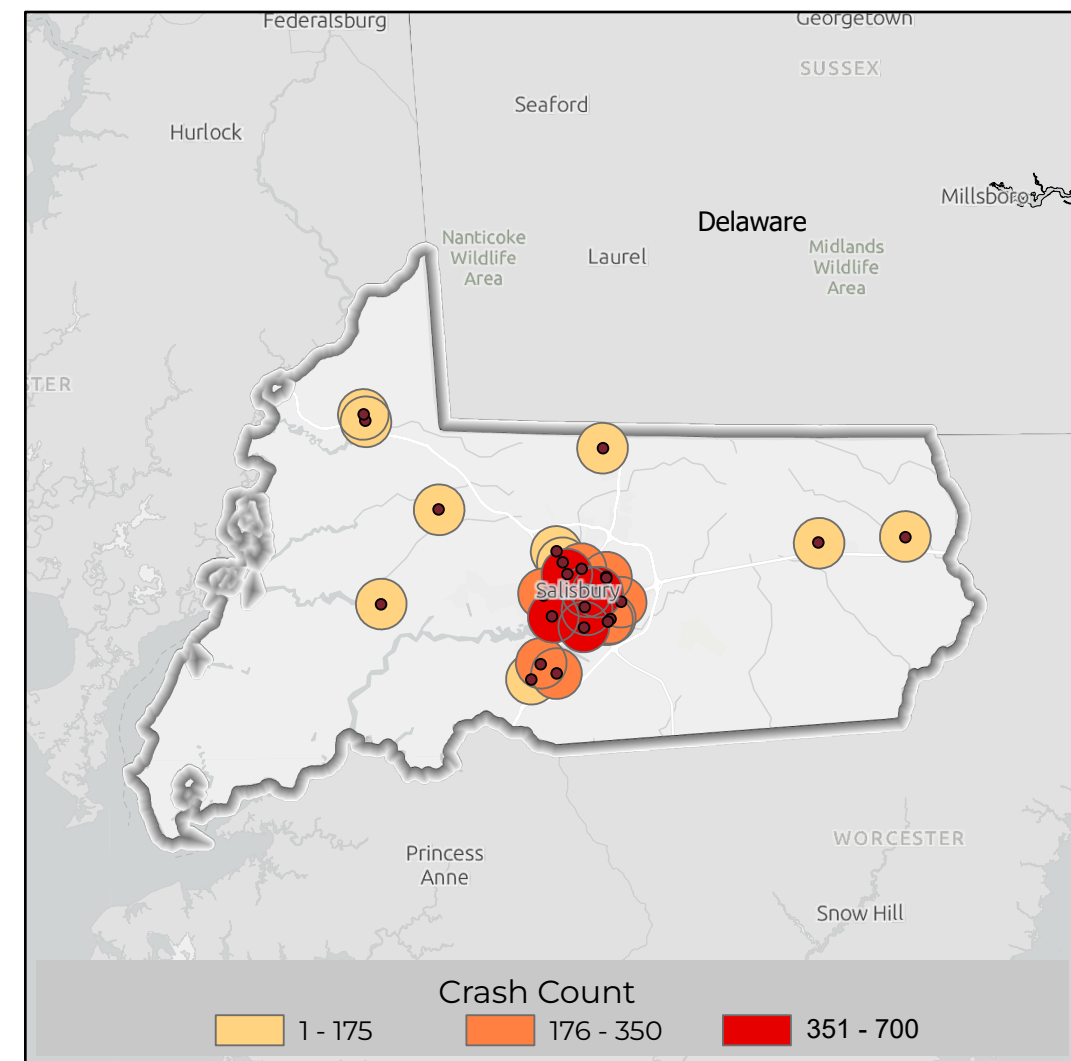


Pedestrian Involved Crashes

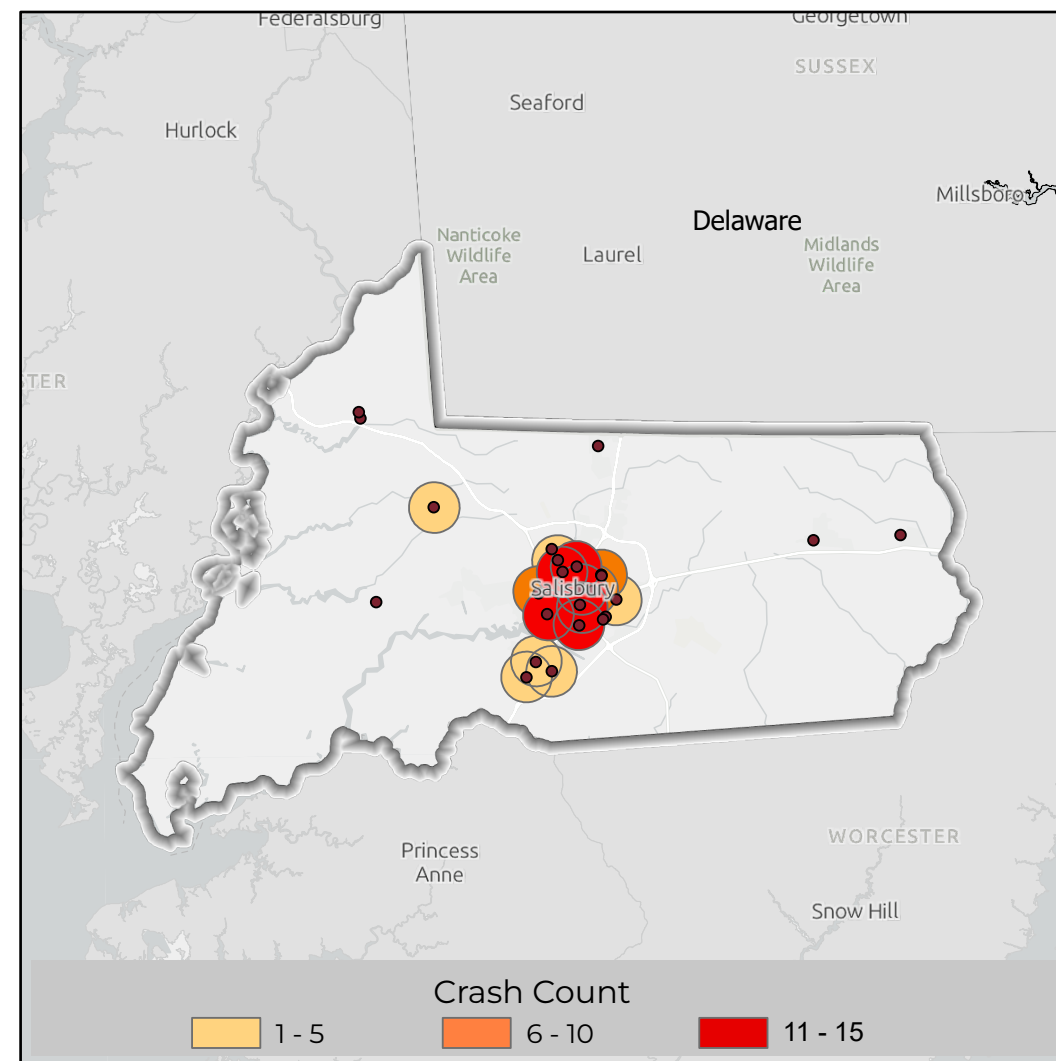
Total Crashes Within One Mile of Public Schools:	1,283	Total Crashes Involving a Bicycle Within One Mile of Public Schools:	12	Total Crashes Involving a Pedestrian Within One Mile of Public Schools:	20
Total Crashes Within One Mile of a Public School Involving a School Age Person:	440	Total Bicycle Crashes Involving a School Age Driver during School Hours:	0	Total Pedestrian Crashes Involving a School Age Driver during School Hours:	0
Total Crashes Within One Mile of a Public School involving a School Age Driver:	270	Total Bicycle Crashes Involving a School Age Occupant during School Hours:	0	Total Pedestrian Crashes Involving a School Age Occupant during School Hours:	0
Total Crashes Within One Mile of a Public School Involving a School Age Occupant:	156	Total Bicycle Crashes Involving a School Age Cyclist during School Hours:	0	Total Pedestrian Crashes Involving a School Age Pedestrian during School Hours:	0



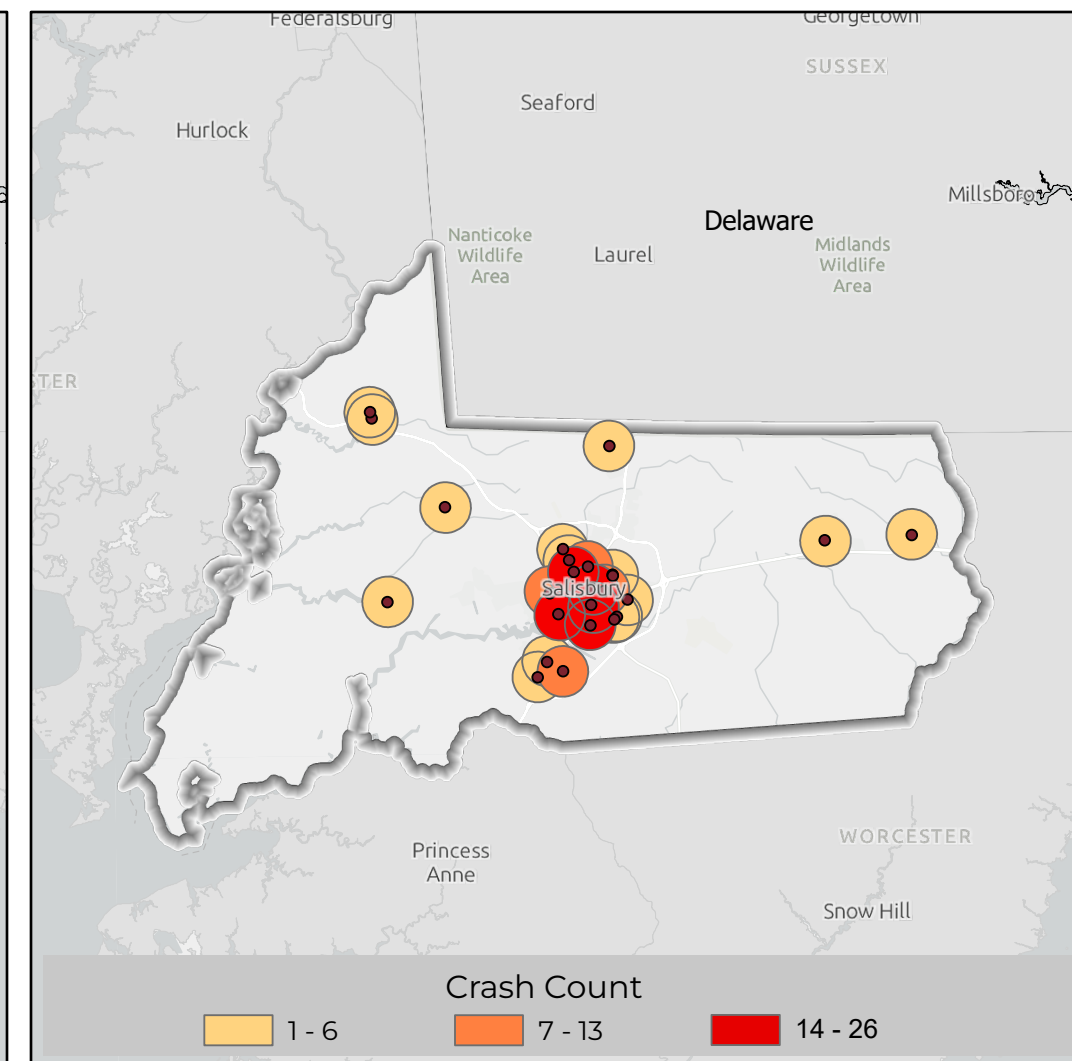
Total Crashes Within One Mile of Public Schools:	7,733	Total Crashes Involving a Bicycle Within One Mile of Public Schools:	76	Total Crashes Involving a Pedestrian Within One Mile of Public Schools:	188
Total Crashes Within One Mile of a Public School Involving a School Age Person:	2,230	Total Bicycle Crashes Involving a School Age Driver during School Hours:	0	Total Pedestrian Crashes Involving a School Age Driver during School Hours:	2
Total Crashes Within One Mile of a Public School involving a School Age Driver:	1,324	Total Bicycle Crashes Involving a School Age Occupant during School Hours:	0	Total Pedestrian Crashes Involving a School Age Occupant during School Hours:	0
Total Crashes Within One Mile of a Public School Involving a School Age Occupant:	787	Total Bicycle Crashes Involving a School Age Cyclist during School Hours:	7	Total Pedestrian Crashes Involving a School Age Pedestrian during School Hours:	7



Overall Crashes

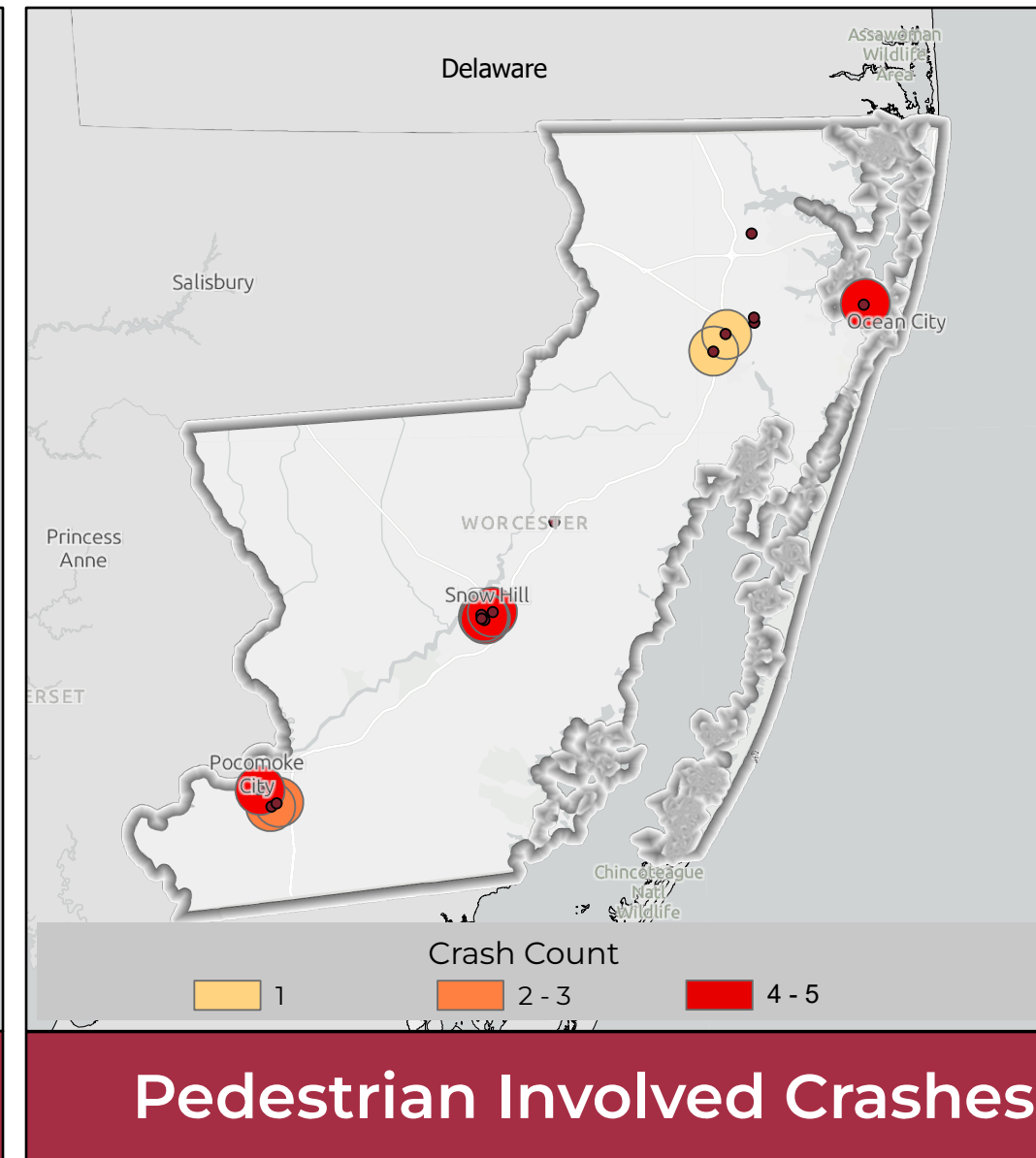
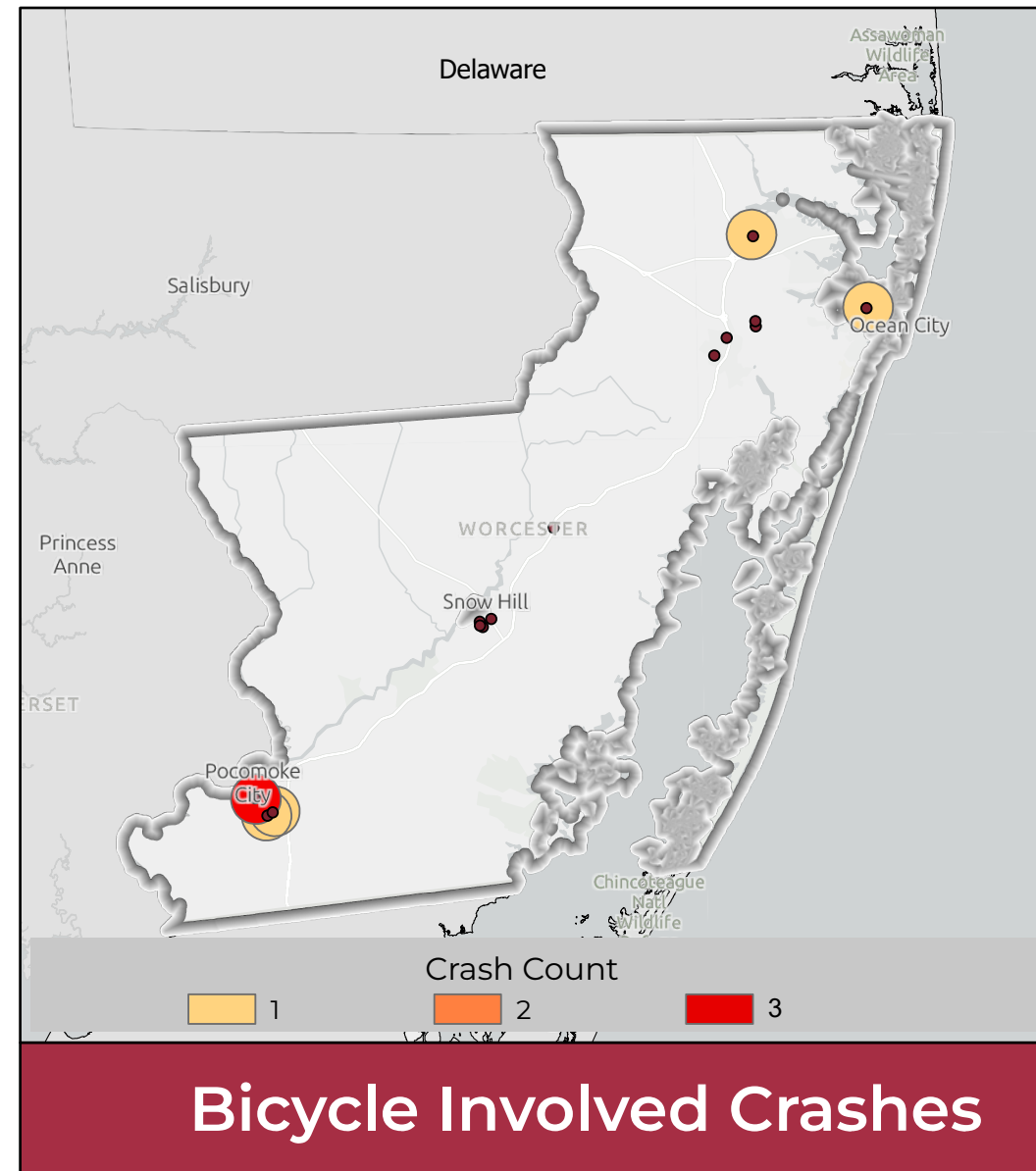
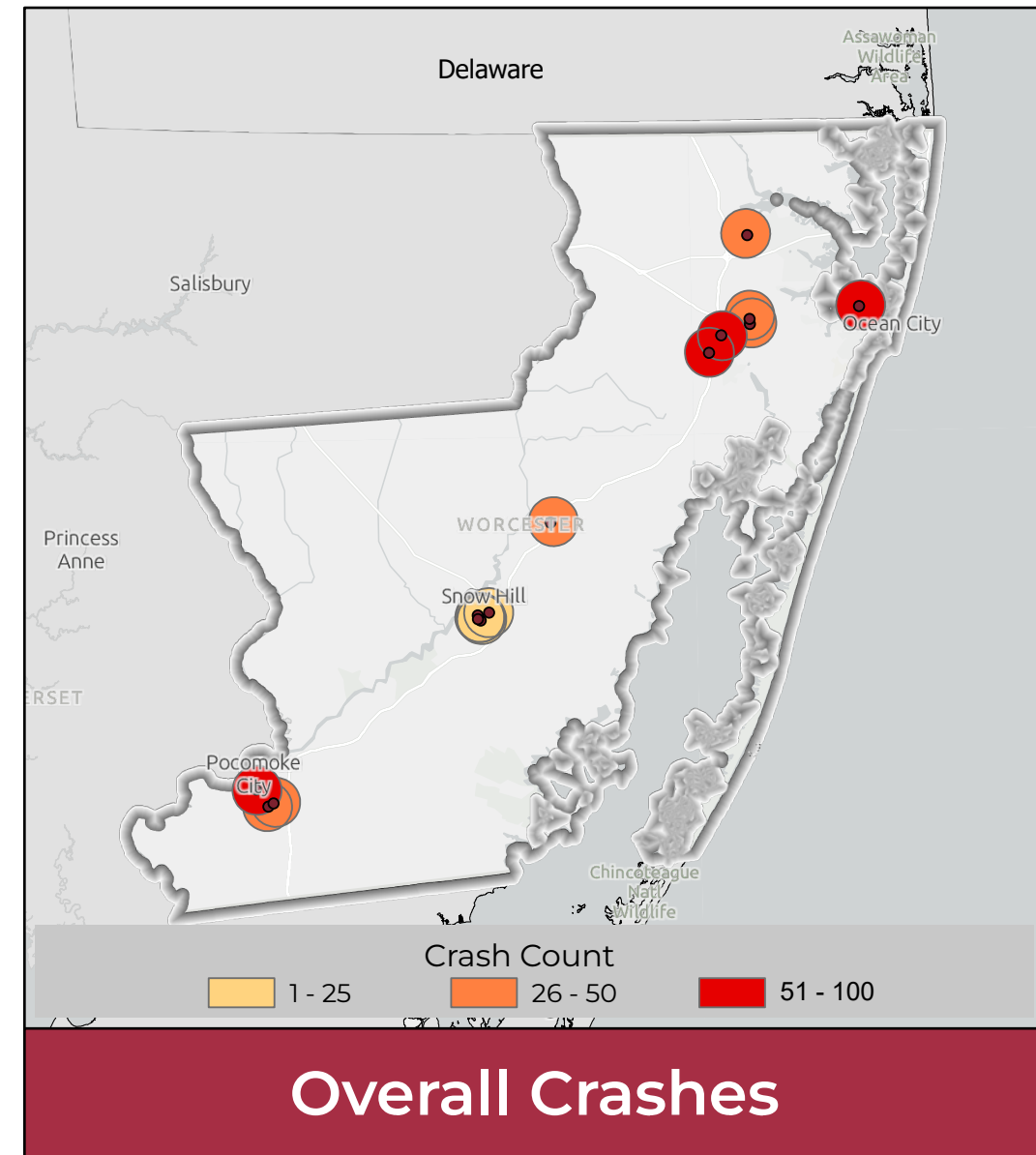


Bicycle Involved Crashes



Pedestrian Involved Crashes

Total Crashes Within One Mile of Public Schools:	5,952	Total Crashes Involving a Bicycle Within One Mile of Public Schools:	72	Total Crashes Involving a Pedestrian Within One Mile of Public Schools:	188
Total Crashes Within One Mile of a Public School Involving a School Age Person:	2,088	Total Bicycle Crashes Involving a School Age Driver during School Hours:	0	Total Pedestrian Crashes Involving a School Age Driver during School Hours:	2
Total Crashes Within One Mile of a Public School involving a School Age Driver:	1,287	Total Bicycle Crashes Involving a School Age Occupant during School Hours:	0	Total Pedestrian Crashes Involving a School Age Occupant during School Hours:	0
Total Crashes Within One Mile of a Public School Involving a School Age Occupant:	721	Total Bicycle Crashes Involving a School Age Cyclist during School Hours:	7	Total Pedestrian Crashes Involving a School Age Pedestrian during School Hours:	7



Total Crashes Within One Mile of Public Schools:	1,091	Total Crashes Involving a Bicycle Within One Mile of Public Schools:	13	Total Crashes Involving a Pedestrian Within One Mile of Public Schools:	188
Total Crashes Within One Mile of a Public School Involving a School Age Person:	389	Total Bicycle Crashes Involving a School Age Driver during School Hours:	0	Total Pedestrian Crashes Involving a School Age Driver during School Hours:	1
Total Crashes Within One Mile of a Public School involving a School Age Driver:	222	Total Bicycle Crashes Involving a School Age Occupant during School Hours:	0	Total Pedestrian Crashes Involving a School Age Occupant during School Hours:	0
Total Crashes Within One Mile of a Public School Involving a School Age Occupant:	161	Total Bicycle Crashes Involving a School Age Cyclist during School Hours:	1	Total Pedestrian Crashes Involving a School Age Pedestrian during School Hours:	0

MARYLAND CENTER for SCHOOL SAFETY

Transportation Safety Study (Overall Crashes)

County Name	Number of Schools	Overall Crash Count	Average Overall Crash Count per School	Rank
Allegany County	26	1,435	55	21
Anne Arundel County	125	36,072	289	4
Baltimore City	180	72,318	402	2
Baltimore County	175	78,147	447	1
Calvert County	25	2,384	95	16
Caroline County	10	829	83	17
Carroll County	44	5,142	117	14
Cecil County	29	4,040	139	12
Charles County	39	6,018	154	11
Dorchester County	13	909	70	19
Frederick County	69	9,521	138	13
Garrett County	12	444	37	24
Harford County	54	8,401	156	10
Howard County	77	13,477	175	7
Kent County	5	273	55	22
Montgomery County	209	55,038	263	5
Prince George's County	212	74,420	351	3
Queen Anne's County	14	860	61	20
Somerset County	9	398	44	23
St. Mary's County	30	3,248	108	15
Talbot County	8	1,283	160	9
Washington County	45	7,733	172	8
Wicomico County	25	5,952	238	6
Worcester County	14	1,091	78	18

Sources: Washington College GIS Program, State Highway Administration, Maryland Center for School Safety

Disclaimer: The crashes displayed on the map as well as any other information is limited in its scope and purpose. It was compiled and collected for the purpose of identifying, evaluating, and planning safety enhancements, utilizing Federal-aid highway funds pursuant to sections 130, 144 and/or 148 of Title 23 of the United States Code.

ZERO DEATHS
MARYLAND

MARYLAND CENTER for SCHOOL SAFETY

Transportation Safety Study (Bicycle Crashes)

County Name	Number of Schools	Bicycle Crash Count	Average Bicycle Crash Count per School	Rank
Allegany County	26	3	0	19
Anne Arundel County	125	130	1	4
Baltimore City	180	288	2	1
Baltimore County	175	158	1	5
Calvert County	25	1	0	23
Caroline County	10	1	0	21
Carroll County	44	3	0	22
Cecil County	29	11	0	12
Charles County	39	11	0	16
Dorchester County	13	6	0	9
Frederick County	69	30	0	10
Garrett County	12	0	0	24
Harford County	54	22	0	11
Howard County	77	26	0	14
Kent County	5	1	0	18
Montgomery County	209	222	1	3
Prince George's County	212	170	1	7
Queen Anne's County	14	3	0	17
Somerset County	9	1	0	20
St. Mary's County	30	10	0	15
Talbot County	8	7	1	6
Washington County	45	32	1	8
Wicomico County	25	39	2	2
Worcester County	14	5	0	13

Sources: Washington College GIS Program, State Highway Administration, Maryland Center for School Safety

Disclaimer: The crashes displayed on the map as well as any other information is limited in its scope and purpose. It was compiled and collected for the purpose of identifying, evaluating, and planning safety enhancements, utilizing Federal-aid highway funds pursuant to sections 130, 144 and/or 148 of Title 23 of the United States Code.

ZERO DEATHS
MARYLAND

MARYLAND CENTER for SCHOOL SAFETY

Transportation Safety Study (Pedestrian Crashes)

County Name	Number of Schools	Pedestrian Crash Count	Average Pedestrian Crash Count per School	Rank
Allegany County	26	13	1	21
Anne Arundel County	125	411	3	5
Baltimore City	180	1,833	10	1
Baltimore County	175	912	5	2
Calvert County	25	24	1	18
Caroline County	10	1	0	23
Carroll County	44	59	1	14
Cecil County	29	47	2	10
Charles County	39	50	1	15
Dorchester County	13	18	1	13
Frederick County	69	88	1	16
Garrett County	12	0	0	24
Harford County	54	95	2	8
Howard County	77	110	1	11
Kent County	5	7	1	12
Montgomery County	209	908	4	3
Prince George's County	212	853	4	4
Queen Anne's County	14	8	1	20
Somerset County	9	4	0	22
St. Mary's County	30	20	1	19
Talbot County	8	14	2	9
Washington County	45	97	2	7
Wicomico County	25	61	2	6
Worcester County	14	16	1	17

Sources: Washington College GIS Program, State Highway Administration, Maryland Center for School Safety

Disclaimer: The crashes displayed on the map as well as any other information is limited in its scope and purpose. It was compiled and collected for the purpose of identifying, evaluating, and planning safety enhancements, utilizing Federal-aid highway funds pursuant to sections 130, 144 and/or 148 of Title 23 of the United States Code.

ZERO DEATHS
MARYLAND

TRANSPORTATION STUDY APPENDIX

Crash Data:

Crash data was obtained from the Maryland State Highway Administration. Crash years in the study are 2016, 2017, 2018, 2019 and 2020.

- Crashes included all jurisdictions in Maryland, all counties and Baltimore City
- Overall Crashes:
 - Crash locations were queried for ACRS captured crash locations that fell within a one-mile radius of a school using a 'select by location' tool.
 - Crashes were queried to identify school age children (3-19)
 - Select where: AGE >= 3 And AGE <= 19
 - School Age Drivers were identified from the PERSON table where the PERSON_TYPE is 'D' And AGE >= 3 And AGE <= 19
 - School Age Occupants were identified from the PERSON table where the PERSON_TYPE is 'O' And AGE >= 3 And AGE <= 19
 - These crashes were queried using each jurisdiction name for crashes within one-mile radius of a school within the jurisdiction
- Bicyclist Crashes:
 - Bicyclists were queried to identify crashes in which a bicyclist was involved crashes using the following expression:
 - From PERSON table: Pedestrian_Type IN ('02','03')
 - These were then joined to the crashes to identify the crash locations for Bicyclist Crashes
 - Crash locations were queried for locations that fell within a one-mile radius of a school using a select by location tool.
 - Crashes were queried to identify school age children (3-19)
 - Select where: AGE >= 3 And AGE <= 19
 - School Age Drivers were identified from the PERSON table where the PERSON_TYPE is 'D' And AGE >= 3 And AGE <= 19
 - School Age Occupants were identified from the PERSON table where the PERSON_TYPE is 'O' And AGE >= 3 And AGE <= 19
 - School Age Bicyclists were identified from the PERSON table where the PERSON_TYPE is 'P' And AGE >= 3 And AGE <= 19
 - These crashes were queried using each jurisdiction name for crashes within one-mile radius of a school within the jurisdiction

TRANSPORTATION STUDY APPENDIX

- Pedestrian Crashes:
 - Pedestrians were queried to identify crashes in which a pedestrian was involved crashes using the following expression:
 - From PERSON table: Pedestrian_Type IN ('01')
 - These were then joined to the crashes to identify the crash locations for Bicyclist Crashes
 - Crash locations were queried for locations that fell within a one-mile radius of a school using a select by location tool.
 - Crashes were queried to identify school age children (3-19)
 - Select where: AGE >= 3 And AGE <= 19
 - School Age Drivers were identified from the PERSON table where the PERSON_TYPE is 'D' And AGE >= 3 And AGE <= 19
 - School Age Occupants were identified from the PERSON table where the PERSON_TYPE is 'O' And AGE >= 3 And AGE <= 19
 - School Age Pedestrians were identified from the PERSON table where the PERSON_TYPE is 'P' And AGE >= 3 And AGE <= 19
 - These crashes were queried using each jurisdiction name for crashes within one-mile radius of a school within the jurisdiction

Additional Notes

Sources: State Highway Administration, Maryland District and Judiciary Courts, and Washington College GIS Program, Maryland Center for School Safety

Restriction of Liability: Although every effort was made to provide useful and accurate information, Washington College and the Maryland Highway Safety Office make no claims, promises, or guarantees about the accuracy, completeness, or adequacy of the contents of these maps and expressly disclaim liability for any errors or omissions in the contents of these documents.

Disclaimer: The crashes displayed on the map as well as any other information is limited in its scope and purpose. It was compiled and collected for the purpose of identifying, evaluating, and planning safety enhancements, utilizing Federal-aid highway funds pursuant to sections 130, 144 and/or 148 of Title 23 of the United States Code.

TRANSPORTATION STUDY APPENDIX

Citation Data was obtained from the Maryland District and Judiciary Courts. Citations include 2017, 2018, 2019, 2020 and 2021. Citations were included for all jurisdictions, and throughout Maryland (not limited to distance from a school).

Additional Citations were identified through a query in which the vehicleStyle='12'

- School Bus is vehicle style 12
- These citations were issued to bus drivers under the following:
 - MR Codes - Motor Carrier Regulations: FMCSA violations for Federal Motor Carrier Regulations
 - TA Codes - Maryland Traffic Article Codes

A list of these additional codes and violations, with descriptions, follows this page. In many cases, notes are added to written descriptions in order to document the precise violation. Written descriptions were not standardized for better identification of violations.



Motor Carrier Regulations Citations Issued to Driver of School Bus

Charge Code and Written Description	Count
MR 11-392.2: DRIVER FAIL TO COMPLY WITH LOCAL LAW- UNREGISTERED MOTOR VEH	1
MR 11-392.2: DRIVER FAIL TO COMPLY WITH LOCAL LAWS	1
MR 11-392.2: FAILED TO OBEY TRAFFIC CONTROL DEVICE	1
MR 11-392.2: LOCAL LAW, FAIL TO OBEY TRAFFIC CONTROL DEVICE.	1
MR 11-392.4A: DRIVER ON DUTY POSSES, BE UNDER INFL OF, USE SCH 1 DRUG, AMPHETAMINE, NARCOTIC, DERIVATIVE, OTH SUBSTANCE	1
MR 11-392.5A(2): DR. HAVE MEASURED CONCENTR., DETECT. PRES. OF ALC ON DUTY, OPERATING, IN PHYS. CONTRL OF COMM. VEH.	1
MR 11-392.5A(3): DRIVER ON DUTY, OPERATING COMMERCIAL VEHICLE WHILE POSSESSING WINE, BEER, DISTILLED SPIRITS	1
MR 11-392.80(A): DRIVER ENGAGED IN TEXTING WHILE DRIVING A COMMERCIAL MOTOR VEHICLE	1
MR 11-392.82: USING HAND-HELD MOBILE PHONE WHILE OPERATING A COMMERCIAL MOTOR VEHICLE	2
MR 11-393.20(9D): UNIV. JOINT, STEERING GEAR BOX, PITMAN ARM WORN, FAULTY, LOOSE, LOOSE, MISSING MOUNTING BOLTS	2
MR 11-393.51(A): LOW AIR WARNING DEVICE INOPERATIVE	7
MR 11-393.75(A): OPERATING MOTOR VEHICLE WITH FABRIC EXPOSED THROUGH SIDEWALL OF TIRE	2
MR 11-393.75(B): OPERATING MOTOR VEHICLE WITH INADEQUATE STEERING AXLES TIRE - LEFT	2
MR 11-393.75(B): OPERATING MOTOR VEHICLE WITH INADEQUATE STEERING AXLES TIRE - RIGHT	1
MR 11-393.75(C): OPERATING MOTOR VEHICLE WITH INADEQUATE TIRES ON OTHER THAN STEERING AXLE	6
MR 11-393.75(F): OPERATING A MOTOR VEHICLE CARRYING A WEIGHT GREATER THAN SPECIFIED FOR THE TIRES	5
MR 11-393.78: OPERATING MOTOR VEHICLE WITH INOPERABLE WINDSHIELD WIPERS	4
MR 11-393.81: OPERATING MOTOR VEHICLE WITHOUT ADEQUATE HORN	12
MR 11-393.86: OPERATING MOTOR VEHICLE WITHOUT REQUIRED REAR END PROTECTION	2
MR 11-393.9: BOTH HEADLAMPS AND 3 OF 3 REAR ID LIGHTS	1
MR 11-393.9: HEADLIGHT INOPERATIVE	1
MR 11-393.9: HEADLIGHTS INOPERATIVE	1
MR 11-393.9: INOPERATIVE LIGHT - LEFT REAR TURN SIGNAL	2
MR 11-393.9: INOPERATIVE LIGHT - RIGHT REAR TURN SIGNAL	7
MR 11-393.9: INOPERATIVE LIGHTS - ALL REAR TURN SIGNALS	4

Sources: Washington College GIS Program, Maryland District and Judiciary Courts

Data Notes: Total Crashes include all dates and times, one mile of a school is determined by a one mile radius, school hours refers to 6 AM to 6 PM, school age person is defined as 3-19 years of age by MCSS. Crash counts in the one-mile study area are inclusive of all road types (including IS, MD, US, and other high-speed roadways) in high density (traffic, population) areas.

**ZERO DEATHS
MARYLAND**



Motor Carrier Regulations Citations Issued to Driver of School Bus



Charge Code and Written Description	Count
MR 11-393.9: INOPERATIVE LIGHTS - ALL STOP LAMPS	2
MR 11-393.9: INOPERATIVE LIGHTS - BOTH REAR TURN SIGNALS	1
MR 11-393.9: INOPERATIVE TAG LIGHT AND 3 OF 3 REAR ID LIGHTS	1
MR 11-393.9: REAR TURN LIGHTS INOPERATIVE	1
MR 11-393.9: STOPLIGHTS INOPERATIVE	1
MR 11-393.95(A): OPERATING MOTOR VEHICLE WITHOUT PROPER REQUIRED EMERGENCY EQUIPMENT ON POWER UNIT	28
MR 11-393.95(F): OPERATING A M/V W/O PROPER REQUIRED EMERGENCY ROADSIDE WARNING DEVICES	10
MR 11-395.13(C): MOTOR CARRIER REQUIRING, PERMITTING DRIVER DECLARED OUT-OF-SERVICE TO OPERATE A MOTOR VEH	1
MR 11-395.8A: DRIVER FAIL TO RECORD HIS DUTY STATUS	5
MR 11-395.8A: DRIVER FAIL TO RECORD HIS DUTY STATUS.	1
MR 11-395.8E: DRIVER PREPARING FALSIFIED RECORD OF DUTY STATUS	1
MR 11-395.8F: DRIVER RECORD OF DUTY STATUS NOT CURRENT	1
MR 11-396.3(A): PARTS AND ACCESSORIES NOT SPECIFICALLY PROVIDED FOR NOT IN SAFE OPERATING CONDITION - 393.43	2
MR 11-396.3(A): PARTS/ACCESS NOT SPECIFICALLY PROVIDED FOR NOT IN SAFE OPERATING CONDITION - 393.43	2
MR 11-396.3(A): PARTS/ACCESSORIES NOT IN SAFE OPERATING CONDITION - BRAKE OUT OF ADJUSTMENT	2
MR 11-396.3(A): PARTS/ACCESSORIES NOT SAFE OPERATING CONDITION	1
MR 11-396.3(A): PARTS/ACCESSORIES NOT SPECIFICALLY PROVIDED FOR NOT IN SAFE OPERATING CONDITION	1
MR 11-396.7: OPERATING MOTOR VEHICLE IN CONDITION LIKELY TO CAUSE ACCIDENT OR BREAKDOWN	1
MR 11-396.7: OPERATING MOTOR VEHICLE IN CONDITION LIKELY TO CAUSE ACCIDENT, BREAKDOWN	2
MR 11-396.9(D2): MOTOR CARRIER FAIL TO CORRECT DEFECTS NOTED ON INSPECTION REPORT	3

Sources: Washington College GIS Program, Maryland District and Judiciary Courts

Data Notes: Total Crashes include all dates and times, one mile of a school is determined by a one mile radius, school hours refers to 6 AM to 6 PM, school age person is defined as 3-19 years of age by MCSS. Crash counts in the one-mile study area are inclusive of all road types (including IS, MD, US, and other high-speed roadways) in high density (traffic, population) areas.



Motor Carrier Regulations Citations Issued to Driver of School Bus

Charge Code and Written Description	Count
TA 13-401(B1): OPERATING UNREGISTERED MOTOR VEHICLE ON HIGHWAY	20
TA 13-401(D): DRIVING VEH. ON HWY. WITH UNPAID REGISTRATION FEE	4
TA 13-401(H): DRIVING VEHICLE ON HIGHWAY WITH SUSPENDED REGISTRATION	3
TA 13-409(A): FAILURE TO CARRY REGISTRATION CARD WITHIN VEHICLE	1
TA 13-409(B): FAILURE TO DISPLAY REGISTRATION CARD UPON DEMAND BY POLICE OFFICER	20
TA 13-411(A): FAILURE TO ATTACH VEHICLE REGISTRATION PLATES AT FRONT AND REAR	7
TA 13-411(C2): FAILURE TO SECURELY FASTEN REGISTRATION PLATE TO VEHICLE	4
TA 13-411(D): DRIVING VEHICLE ON HIGHWAY WITHOUT CURRENT REGISTRATION PLATES AND VALIDATION TABS	7
TA 13-411(F): DISPLAYING EXPIRED REGISTRATION PLATE ISSUED BY ANY STATE	8
TA 13-411(G): DISPLAYING REG. PLATE ISSUED FOR OTHER VEHICLE	1
TA 13-411(G): DISPLAYING / PERMITTING TO BE DISPLAYED REG. PLATE ISSUED FOR OTHER VEHICLE / TO OTHER PERSON	1
TA 13-411(G): DISPLAYING REG. PLATE ISSUED FOR OTHER VEHICLE	1
TA 13-607(B): PERSON KNOWINGLY INSERTING FALSE INFORMATION ON TEMP. REG. PLATE	1
TA 13-703(G): UNAUTHORIZED DISPLAY AND USE OF REGISTRATION PLATE	9
TA 14-110(B): FALSIFYING/ATTEMPT FALSIFY WITH FRAUDULENT INTENT OFFICIAL DOCUMENT/PLATE ISSUED BY AD.	1
TA 16-101(A): DRIVING MOTOR VEHICLE ON HIGHWAY WITHOUT REQUIRED LICENSE AND AUTHORIZATION	1
TA 16-101(A): DRIVING MOTOR VEHICLE ON HIGHWAY WITHOUT REQUIRED LICENSE AND AUTHORIZATION	5
TA 16-101(A): DRIVING MOTOR VEHICLE ON HIGHWAY WITHOUT REQUIRED LICENSE AND AUTHORIZATION	3
TA 16-101(A): DRIVING TO DRIVE MOTOR VEHICLE ON HIGHWAY WITHOUT REQUIRED LICENSE AND AUTHORIZATION	2
TA 16-101(A): DRIVING, ATTEMPTING TO DRIVE MOTOR VEHICLE ON HIGHWAY WITHOUT REQUIRED LICENSE AND AUTHORIZATION	5
TA 16-101(A): DRIVING,TO DRIVE MOTOR VEHICLE ON HIGHWAY WITHOUT REQUIRED LICENSE AND AUTHORIZATION	1
TA 16-101(A1): DRIVING TO DRIVE MOTOR VEHICLE ON HIGHWAY WITHOUT REQUIRED LICENSE AND AUTHORIZATION	2
TA 16-101(A1): DRIVING, MOTOR VEHICLE ON HIGHWAY WITHOUT REQUIRED LICE	1
TA 16-105(B1): HOLDER OF LEARNER'S PERMIT DRIVING W/O REQ. SUPERVISION	1
TA 16-112(C): FAILURE OF INDIVIDUAL DRIVING ON HIGHWAY TO DISPLAY LICENSE TO UNIFORMED POLICE ON DEMAND	13

Sources: Washington College GIS Program, Maryland District and Judiciary Courts

Data Notes: Total Crashes include all dates and times, one mile of a school is determined by a one mile radius, school hours refers to 6 AM to 6 PM, school age person is defined as 3-19 years of age by MCSS. Crash counts in the one-mile study area are inclusive of all road types (including IS, MD, US, and other high-speed roadways) in high density (traffic, population) areas.



Motor Carrier Regulations Citations Issued to Driver of School Bus

Charge Code and Written Description	Count
TA 16-112(C1): FAILURE OF INDIVIDUAL DRIVING ON HIGHWAY TO DISPLAY LICENSE TO UNIFORMED POLICE ON DEMAND	1
TA 16-116(A): FAILURE OF LICENSEE TO NOTIFY ADMINISTRATION OF CHANGE OF ADDRESS WITHIN 30 DAYS	1
TA 16-301(J): POSSESSING SUSPENDED LIC.	1
TA 16-303(C): PERSON DRIVING MOTOR VEHICLE ON HIGHWAY OR PUBLIC USE PROPERTY ON SUSPENDED LICENSE AND PRIVILEGE	2
TA 16-303(F): PERSON DRIVING MOTOR VEHICLE ON HIGHWAY OR PUBLIC USE PROPERTY ON SUSPENDED OUT-OF-STATE LICENSE	3
TA 16-303(H): DRIVING WHILE LIC. SUSP. UNDER 16-203, 16-206A2 FAIL TO ATTEND DIP, 17-106, 26-204/206, 27-103	1
TA 16-807(A): DRIVING COMMERCIAL MOTOR VEH. WITHOUT REQUIRED LICENSE FOR THAT CLASS OF VEHICLE	24
TA 16-808(B1): FAIL TO OBEY OUT-OF-SERVICE ORDER BY DRIVING COMMERCIAL MV ON HWY. W/TRANSP. NONHAZARDOUS MATERIALS	1
TA 16-813(A): INDIVIDUAL DR,OPER,IN PHYS CONTROL OF COMMERCIALM/V W/ANY ALCOHOL CONCENTRATION IN BLOOD OR BREATH	1
TA 16-813(A): INDIVIDUAL DR,OPER,IN PHYS CONTROL OF COMMERCIALM/V W/ANY ALCOHOL CONCENTRATION IN BLOOD OR BREATH	1
TA 16-815(B): DRIVING VEH. REQ. CLASS B LIC ON HWY W/O CLASS B LIC, APPROP. ENDORSED CLASS B LIC	1
TA 16-815(B): DRIVING VEH. REQ. CLASS B LIC ON HWY W/O CLASS B LICENSE	3
TA 17-104.2(B1): FAILURE OF MV OPER. DRIVING ON HWY TO BE IN POSS.OF EVID. OF REQ'D SECURITY FOR MV	1
TA 17-104.2(B2): FAILURE OF MV OPER TO PRESENT EVIDENCE OF REQUIRED SECURITY ON REQUEST OF A LAW ENFORCEMENT OFFICER	2
TA 17-107(A1): KNOWINGLY DRIVING UNINSURED VEHICLE	2
TA 17-107: DRIVING UNINSURED VEHICLE	4
TA 17-107: KNOWINGLY DRIVING UNINSURED VEHICLE	1
TA 17-107: KNOWINGLY DRIVING / OWNER KNOWINGLY PERMITTING TO BE DRIVEN UNINSURED VEHICLE	1
TA 17-107: KNOWINGLY DRIVING / OWNER KNOWINGLY PERMITTING TO BE DRIVEN UNINSURED VEHICLE	4
TA 17-107: KNOWINGLY DRIVING / OWNER KNOWINGLY PERMITTING UNINSURED VEHICLE	1
TA 17-107: KNOWINGLY DRIVING UNINSURED VEHICLE	4
TA 20-102(A1): FAILURE TO IMMEDIATELY STOP VEH. AT SCENE OF ACCIDENT INVOLVING BODILY INJURY	2
TA 20-102(A2): FAILURE TO IMMEDIATELY RETURN AND REMAIN AT SCENE OF ACCIDENT INVOLVING BODILY INJURY	3
TA 20-103(A): FAILURE TO STOP AFTER ACCIDENT INVOLVING DAMAGE TO ATTENDED VEH.	1
TA 20-103(A): FAILURE TO STOP AFTER ACCIDENT INVOLVING DAMAGE TO ATTENDED VEH.,	2

Sources: Washington College GIS Program, Maryland District and Judiciary Courts

Data Notes: Total Crashes include all dates and times, one mile of a school is determined by a one mile radius, school hours refers to 6 AM to 6 PM, school age person is defined as 3-19 years of age by MCSS. Crash counts in the one-mile study area are inclusive of all road types (including IS, MD, US, and other high-speed roadways) in high density (traffic, population) areas.



Motor Carrier Regulations Citations Issued to Driver of School Bus

Charge Code and Written Description	Count
TA 20-103(B): FAILURE TO RETURN TO & REMAIN AT SCENE OF ACCIDENT INVOLVING ATTENDED VEH. DAMAGE	4
TA 20-103(B): FAILURE TO RETURN TO & REMAIN AT SCENE OF ACCIDENT INVOLVING ATTENDED VEH. DAMAGE	1
TA 20-104(B): FAIL OF DRIVER IN BODILY INJURY ATTENDED PROPERTY ACCIDENT TO FURNISH REQ ID & LIC	2
TA 20-104(D): FAIL VEH DRIVER IN ACC. TO RPT. ATTENDED VEH. DAMAGE TO NEAREST POLICE	1
TA 20-105(A): FAILURE OF VEH. DRIVER TO STOP AFTER UNATTENDED VEH DAMAGE ACCIDENT	2
TA 20-105(A): FAILURE OF VEH. DRIVER TO STOP AFTER UNATTENDED VEH. DAMAGE ACCIDENT	1
TA 20-105(A): FAILURE OF VEH. DRIVER TO STOP AFTER UNATTENDED VEH., PROPERTY DAMAGE ACCIDENT	1
TA 20-105(B): FAILURE OF VEH. DRIVER IN ACCIDENT TO LOCATE AND NOTIFY OWNER OF UNATTENDED VEH OF DAMAGE	1
TA 20-105(B): FAILURE OF VEH. DRIVER IN ACCIDENT TO LOCATE AND NOTIFY OWNER OF UNATTENDED VEH. OF DAMAGE	2
TA 20-105(B): FAILURE OF VEH. DRIVER IN ACCIDENT TO LOCATE AND NOTIFY OWNER OF UNATTENDED VEH., PROPERTY OF DAMAGE	1
TA 20-105(C): FAILURE MOTOR VEH. DRIVER TO FURNISH WRITTEN I.D. INFO. IN, ON UNATTENDED DAMAGED VEH., PROPERTY	1
TA 20-105(C): FAILURE OF VEH. DRIVER TO FURNISH REQ'D WRITTEN ID INFO. ON UNATTENDED DAMAGED VEH.	1
TA 20-105(C): FAILURE OF VEH. DRIVER TO FURNISH REQ'D WRITTEN ID INFO. ON UNATTENDED DAMAGED VEH.	1
TA 20-105.1: FAILURE OF VEH. DRIVER INVOLVED IN ACCIDENT TO GIVE INSURANCE POLICY INFORMATION	4
TA 21-1001(A): STOPPING VEH. ON HWY. OUTSIDE BUSINESS & RESIDENTIAL DISTRICT	1
TA 21-1102(A): UNSAFE BACKING OF MOTOR VEH.	17
TA 21-1102(B): DRIVER BACKING MOTOR VEH. ON ROADWAY OF CONTROLLED ACCESS HWY.	1
TA 21-1104(C): DRIVING ON HWY. WITH OBSTRUCTED WINDSHIELD VIEW	3
TA 21-1113(C): FAILURE TO OBEY POLICE ORDER TO REMOVE TRAFFIC HAZARD	2
TA 21-1120(B): DRIVING MOTOR VEH. ON HWY. WEARING HEADSET OVER EARS	1
TA 21-1120(C): DRIVING VEH. WHILE WEARING EARPHONES	1
TA 21-1124.1(B): DRIVER WRITING, SENDING, READING A TEXT, ELECTRONIC MSG. WHILE OPER. VEH. IN TRAVEL PORTION OF HWY	2
TA 21-1124.2(C1): DRIVER OF A CLASS H VEH CARRYING PASSENGERS AND IN MOTION USING HANDHELD PHONE	1
TA 21-1124.2(D2): DRIVER USING HANDS TO USE HANDHELD TELEPHONE WHILE MOTOR VEHICLE IS IN MOTION	6
TA 21-201(A1): DRIVER FAILURE TO OBEY PROPERLY PLACED TRAFFIC CONTROL DEVICE INSTRUCTIONS	13

Sources: Washington College GIS Program, Maryland District and Judiciary Courts

Data Notes: Total Crashes include all dates and times, one mile of a school is determined by a one mile radius, school hours refers to 6 AM to 6 PM, school age person is defined as 3-19 years of age by MCSS. Crash counts in the one-mile study area are inclusive of all road types (including IS, MD, US, and other high-speed roadways) in high density (traffic, population) areas.





Motor Carrier Regulations Citations Issued to Driver of School Bus

Charge Code and Written Description	Count
TA 21-202(H1): DRIVER FAIL TO STOP AT STEADY CIRCULAR RED SIGNAL	1
TA 21-202(H1): DRIVER FAILURE TO STOP AT STEADY CIRCULAR RED SIGNAL	11
TA 21-202(H2): DRIVER FAIL TO STOP AT STEADY RED ARROW SIGNAL	1
TA 21-202(M): DRIVER FAIL TO MAKE REQUIRED STOP AT SIGN	2
TA 21-202(M): DRIVER FAIL TO MAKE REQUIRED STOP AT SIGN, PAVEMENT MARK	1
TA 21-301(A): FAILURE TO DRIVE RIGHT OF CENTER	2
TA 21-301(A): FAILURE TO DRIVE VEHICLE ON RIGHT HALF OF ROADWAY WHEN REQUIRED	15
TA 21-303(B): IMPROPER PASSING OF OVERTAKEN VEHICLE	1
TA 21-303(E): DRIVER INCREASING SPEED WHEN OVERTAKEN BY PASSING VEHICLE	1
TA 21-304(C): DRIVING MOTOR VEHICLE OFF ROADWAY WHILE PASSING VEHICLE	1
TA 21-304(C): DRIVING OFF ROADWAY WHILE PASSING VEHICLE	2
TA 21-308(B): FAILURE TO PASS AROUND ROTARY TRAFFIC ISLAND TO RIGHT OF ISLAND	1
TA 21-309(B): DRIVER CHANGING LANES WHEN UNSAFE	19
TA 21-309(D): DRIVER FAILURE TO OBEY DESIGNATED LANE DIRECTIONS	1
TA 21-309(F): DRIVER FAILURE TO OBEY TRAFFIC LANE DIRECTIONS FOR BUS	1
TA 21-310(A): DRIVER OF MOTOR VEHICLE FOLLOWING VEHICLE CLOSER THAN REASONABLE AND PRUDENT	8
TA 21-310(A): FOLLOWING VEH. TOO CLOSELY	1
TA 21-401.1: DRIVER FAILURE AT "T" INTERSECTION W/O TRAFFIC CONTROL DEVICE TO YIELD RIGHT-OF-WAY	1
TA 21-401: FAILURE VEH. TO YIELD INTERSECTION RIGHT-OF-WAY TO ANOTHER VEH.	9
TA 21-402(A): DRIVER WHEN TURNING LEFT FAIL TO YIELD RIGHT OF WAY TO VEHICLE APPROACHING FROM OPPOSITE DIRECTION	13
TA 21-402(A): FAILURE YIELD RIGHT OF WAY ON LEFT TURN	3
TA 21-403(C): DRIVER FAILURE TO STOP AT INTERSECTION HWY. STOP SIGN AND YIELD RIGHT-OF-WAY	5
TA 21-404(B): DRIVER FAILURE TO YIELD RIGHT OF WAY ENTERING HWY. FROM PRIVATE DRIVEWAY	3
TA 21-405(A): FAILURE OF DRIVER TO YIELD RIGHT-OF-WAY TO POLICE VEH. USING SIGNALS	1
TA 21-405(B): FAILURE OF DRIVER TO DRIVE TO CURB UPON SIGNAL BY EMERGENCY, POLICE VEH.	1

Sources: Washington College GIS Program, Maryland District and Judiciary Courts

Data Notes: Total Crashes include all dates and times, one mile of a school is determined by a one mile radius, school hours refers to 6 AM to 6 PM, school age person is defined as 3-19 years of age by MCSS. Crash counts in the one-mile study area are inclusive of all road types (including IS, MD, US, and other high-speed roadways) in high density (traffic, population) areas.



Maryland
Highway
Safety
Office





Motor Carrier Regulations Citations Issued to Driver of School Bus

Charge Code and Written Description	Count
TA 21-405(B): FAILURE OF DRIVER TO DRIVE TO CURB UPON SIGNAL BY POLICE VEH.	1
TA 21-405(E1): FAILURE OF DR. TO MAKE LANE CHANGE TO AVAIL. LANE NOT IMMED. ADJ. TO STOPPED EMERG. VEH	2
TA 21-405(E2I): FAILURE OF DR. TO MAKE LANE CH. TO AVAIL. LANE NOT IMMED. ADJ TO STOPPED, STANDING, PARKED VEH.	2
TA 21-405E(2II): FAIL OF DR. TO SLOW TO REASONABLE & PRUDENT SPEED WHILE PASSING STOPPED, STANDING OR PARKED VEH.	1
TA 21-601(A): RT. TURN FROM IMPROPER ROAD POSITION	3
TA 21-601(C): DRIVER FAILURE TO ENTER LAWFUL LANE AFTER LEFT TURN	1
TA 21-602(B): DRIVER MAKING PROHIBITED U-TURN ON CREST OF GRADE	1
TA 21-604(A): DRIVER MAKING IMPROPER TURN AT INTERSECTION	2
TA 21-703.1: FAIL TO HAVE SUFFICIENT CLEARANCE AT RR CROSSING	1
TA 21-706(A): FAILURE TO STOP FOR STOPPED SCHOOL VEH. OPERATING ALTERNATELY FLASHING RED LIGHTS	3
TA 21-707(A): DRIVER FAILURE TO STOP AT STOP SIGN LINE	4
TA 21-707(A): FAILURE TO STOP AT STOP SIGN	7
TA 21-707(C): FAILURE TO STOP AT STOP SIGN AT NEAREST POINT OF APPROACHING TRAFFIC VIEW	1
TA 21-801(A): DRIVING VEH IN EXCESS OF REASONABLE AND PRUDENT SPEED ON HWY	1
TA 21-801(A): DRIVING VEHICLE IN EXCESS OF REASONABLE AND PRUDENT SPEED ON HIGHWAY	2
TA 21-801(A): DRIVING VEHICLE IN EXCESS OF REASONABLE AND PRUDENT SPEED ON HIGHWAY (SPEE)	1
TA 21-801(B): FAILURE TO CONTROL VEH. SPEED ON HWY. TO AVOID COLLISION	15
TA 21-801(B): FAILURE TO CONTROL VEHICLE SPEED ON HIGHWAY TO AVOID COLLISION	56
TA 21-801(H): FAILURE TO REDUCE SPEED IN DANGEROUS WEATHER, HIGHWAY CONDITIONS	1
TA 21-801.1: EXCEEDING MAXIMUM SPEED: 39 MPH IN A POSTED 30 MPH ZONE	2
TA 21-801.1: EXCEEDING MAXIMUM SPEED: 40 MPH IN A POSTED 25 MPH ZONE	1
TA 21-801.1: EXCEEDING MAXIMUM SPEED: 44 MPH IN A POSTED 30 MPH ZONE	2
TA 21-801.1: EXCEEDING MAXIMUM SPEED: 48 MPH IN A POSTED 30 MPH ZONE	1
TA 21-801.1: EXCEEDING MAXIMUM SPEED: 50 MPH IN A POSTED 35 MPH ZONE	1
TA 21-801.1: EXCEEDING MAXIMUM SPEED: 61 MPH IN A POSTED 55 MPH ZONE	1

Sources: Washington College GIS Program, Maryland District and Judiciary Courts

Data Notes: Total Crashes include all dates and times, one mile of a school is determined by a one mile radius, school hours refers to 6 AM to 6 PM, school age person is defined as 3-19 years of age by MCSS. Crash counts in the one-mile study area are inclusive of all road types (including IS, MD, US, and other high-speed roadways) in high density (traffic, population) areas.



Motor Carrier Regulations Citations Issued to Driver of School Bus



Charge Code and Written Description	Count
TA 21-801.1: EXCEEDING MAXIMUM SPEED: 62 MPH IN A POSTED 40 MPH ZONE	1
TA 21-801.1: EXCEEDING POSTED MAXIMUM SPEED LIMIT: 36 MPH IN A POSTED 25 MPH ZONE	2
TA 21-801.1: EXCEEDING POSTED MAXIMUM SPEED LIMIT: 39 MPH IN A POSTED 30 MPH ZONE	2
TA 21-801.1: EXCEEDING POSTED MAXIMUM SPEED LIMIT: 40 MPH IN A POSTED 25 MPH ZONE	1
TA 21-801.1: EXCEEDING POSTED MAXIMUM SPEED LIMIT: 41 MPH IN A POSTED 25 MPH ZONE	1
TA 21-801.1: EXCEEDING POSTED MAXIMUM SPEED LIMIT: 43 MPH IN A POSTED 25 MPH ZONE	1
TA 21-801.1: EXCEEDING POSTED MAXIMUM SPEED LIMIT: 44 MPH IN A POSTED 25 MPH ZONE	1
TA 21-801.1: EXCEEDING POSTED MAXIMUM SPEED LIMIT: 44 MPH IN A POSTED 35 MPH ZONE	1
TA 21-801.1: EXCEEDING POSTED MAXIMUM SPEED LIMIT: 45 MPH IN A POSTED 30 MPH ZONE	5
TA 21-801.1: EXCEEDING POSTED MAXIMUM SPEED LIMIT: 46 MPH IN A POSTED 30 MPH ZONE	1
TA 21-801.1: EXCEEDING POSTED MAXIMUM SPEED LIMIT: 47 MPH IN A POSTED 30 MPH ZONE	1
TA 21-801.1: EXCEEDING POSTED MAXIMUM SPEED LIMIT: 49 MPH IN A POSTED 25 MPH ZONE	1
TA 21-801.1: EXCEEDING POSTED MAXIMUM SPEED LIMIT: 50 MPH IN A POSTED 25 MPH ZONE	1
TA 21-801.1: EXCEEDING POSTED MAXIMUM SPEED LIMIT: 50 MPH IN A POSTED 30 MPH ZONE	2
TA 21-801.1: EXCEEDING POSTED MAXIMUM SPEED LIMIT: 50 MPH IN A POSTED 35 MPH ZONE	1
TA 21-801.1: EXCEEDING POSTED MAXIMUM SPEED LIMIT: 51 MPH IN A POSTED 30 MPH ZONE	1
TA 21-801.1: EXCEEDING POSTED MAXIMUM SPEED LIMIT: 53 MPH IN A POSTED 35 MPH ZONE	1
TA 21-801.1: EXCEEDING POSTED MAXIMUM SPEED LIMIT: 54 MPH IN A POSTED 40 MPH ZONE	1
TA 21-801.1: EXCEEDING POSTED MAXIMUM SPEED LIMIT: 54 MPH IN A POSTED 45 MPH ZONE	1
TA 21-801.1: EXCEEDING POSTED MAXIMUM SPEED LIMIT: 59 MPH IN A POSTED 35 MPH ZONE	1
TA 21-801.1: EXCEEDING POSTED MAXIMUM SPEED LIMIT: 59 MPH IN A POSTED 45 MPH ZONE	1
TA 21-801.1: EXCEEDING POSTED MAXIMUM SPEED LIMIT: 65 MPH IN A POSTED 40 MPH ZONE	1
TA 21-801.1: EXCEEDING POSTED MAXIMUM SPEED LIMIT: 73 MPH IN A POSTED 55 MPH ZONE	1
TA 21-801.1: EXCEEDING POSTED MAXIMUM SPEED LIMIT: 77 MPH IN A POSTED 45 MPH ZONE	1
TA 21-901.1(A): RECKLESS DRIVING VEHICLE IN WANTON AND WILLFUL DISREGARD FOR SAFETY OF PERSONS AND PROPERTY	3

Sources: Washington College GIS Program, Maryland District and Judiciary Courts

Data Notes: Total Crashes include all dates and times, one mile of a school is determined by a one mile radius, school hours refers to 6 AM to 6 PM, school age person is defined as 3-19 years of age by MCSS. Crash counts in the one-mile study area are inclusive of all road types (including IS, MD, US, and other high-speed roadways) in high density (traffic, population) areas.



Motor Carrier Regulations Citations Issued to Driver of School Bus



Charge Code and Written Description	Count
TA 21-901.1(B): NEGLIGENT DRIVING	1
TA 21-901.1(B): NEGLIGENT DRIVING VEHICLE IN CARELESS AND IMPRUDENT MANNER ENDANGERING PROPERTY, LIFE AND PERSON	48
TA 21-902(AII): DRIVING VEHICLE WHILE UNDER THE INFLUENCE OF ALCOHOL	3
TA 21-902(AIII): DRIVING VEHICLE WHILE UNDER THE INFLUENCE OF ALCOHOL PER SE	2
TA 21-902(B1I): DRIVING VEH. WHILE IMPAIRED BY ALCOHOL	3
TA 21-902(C1I): DRIVING, ATTEMPTING TO DRIVE VEH WHILE SO FAR IMPAIRED BY ALCOHOL CANNOT DRIVE SAFELY	1
TA 21-902A(1II): DRIVING VEHICLE WHILE UNDER THE INFLUENCE OF ALCOHOL PER SE	1
TA 22-214(B): FAILURE TO DISPLAY STOP LIGHT WHEN REQUIRED ON VEH. STOPPED ON ROADWAY	1
TA 22-214(B): FAILURE TO DISPLAY PARKING LIGHTS WHEN REQUIRED ON VEH. STOPPED ON ROADWAY	1
TA 22-226(A): FAILURE TO DISPLAY TWO LIGHTED FRONT LAMPS WHEN REQUIRED	1
TA 22-412.3(B): OPER. MOTOR VEH. WITH OPERATOR NOT RESTRAINED BY SEAT BELT	13
TA 24-101(B): DRIVING VEH. ON HWY. IN VIOLATION OF WEIGHT LAWS EXCEEDING ALLOWABLE WT OF 25800LBS BY 900LBS	1
TA 24-101(B): DRIVING VEHICLE ON HIGHWAY EXCEED SINGLE AXLE WEIGHT WITH 15% TOLERANCE OF 25760LBS BY 2140LBS	1
TA 24-101(B): DRIVING VEHICLE ON HIGHWAY EXCEEDING SINGLE AXLE WEIGHT PLUS 10% TOLERANCE OF 24640LBS BY 3860LBS	2
TA 24-101(B): DRIVING VEHICLE ON HIGHWAY EXCEEDING ALLOWABLE WEIGHT WITH 10% TOLERANCE OF 24640LBS BY 8060LBS	2
TA 24-101(B): DRIVING VEHICLE ON HIGHWAY EXCEEDING REAR SINGLE AXLE WEIGHT PLUS 15% OF 25760LBS BY 5040LBS	1
TA 24-101(B): DRIVING VEHICLE ON HIGHWAY EXCEEDING SINGLE AXLE WEIGHT AFTER 15% TOLERANCE OF 25760LBS BY 8740LBS	1
TA 24-101(B): DRIVING VEHICLE ON ROADWAY / HIGHWAY EXCEEDING SINGLE AXLE WEIGHT PLUS 5% OF 23520LBS BY 6080LBS	1
TA 25-111(G): FAILURE TO COMPLY WITH MOTOR CARRIER SAFETY REGULATIONS	3
TG 9-220(A): FAILURE OF MOTOR CARRIER TO DISPLAY ID MARKER FOR CMV AS COMPTROLLER REQUIRES BY REGULATION	4
TG 9-220: FAIL OF M/CARRIER TO REG DISPLAY IFTA DECAL ON BOTH SIDES OF VEH AND POSS COPY OF IFTA LIC IN VEH	1
TG 9-220: FAIL OF M/CARRIER TO REG/DISP IFTA DECAL ON BOTH SIDES OF VEH & POSS COPY OF IFTA LIC IN VEH	7
TG 9-220: FAIL TO DISPLAY IFTA DECAL ON BOTH SIDES OF VEH AND POSS COPY OF IFTA LIC IN VEH	1
TG 9-220: FAIL TO DISPLAY IFTA DECAL ON BOTH SIDES OF VEH AND POSS COPY OF IFTA LIC IN VEH	3
TG 9-220: FAIL TO REGISTER OR DISPLAY IFTA DECAL ON BOTH SIDES OF VEH AND POSS COPY OF IFTA LIC IN VEH	1

Sources: Washington College GIS Program, Maryland District and Judiciary Courts

Data Notes: Total Crashes include all dates and times, one mile of a school is determined by a one mile radius, school hours refers to 6 AM to 6 PM, school age person is defined as 3-19 years of age by MCSS. Crash counts in the one-mile study area are inclusive of all road types (including IS, MD, US, and other high-speed roadways) in high density (traffic, population) areas.

