

**Kent
County
Crash
Analysis
2016 - 2020**



**Sent to: Kent County
Sheriff's Office**

Washington College GIS Program

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Kent County Crash Analysis

Overall Crashes

2016 - 2020

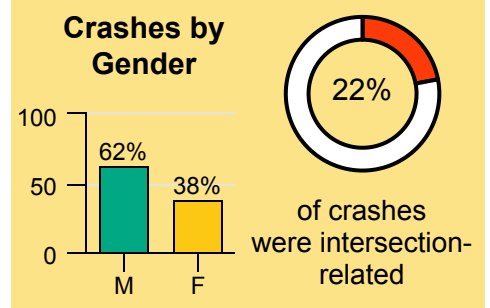
Overall Crash Statistics

Top Hour: **1600**

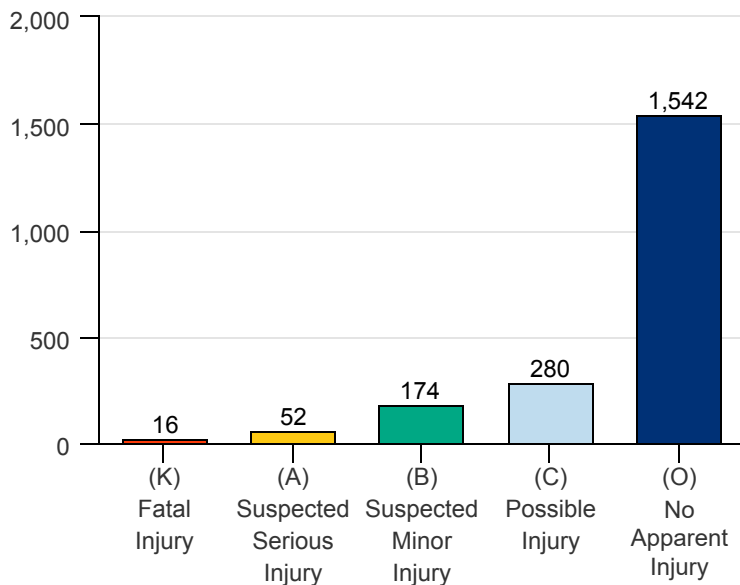
Top Day: **Saturday**

Top Month: **January**

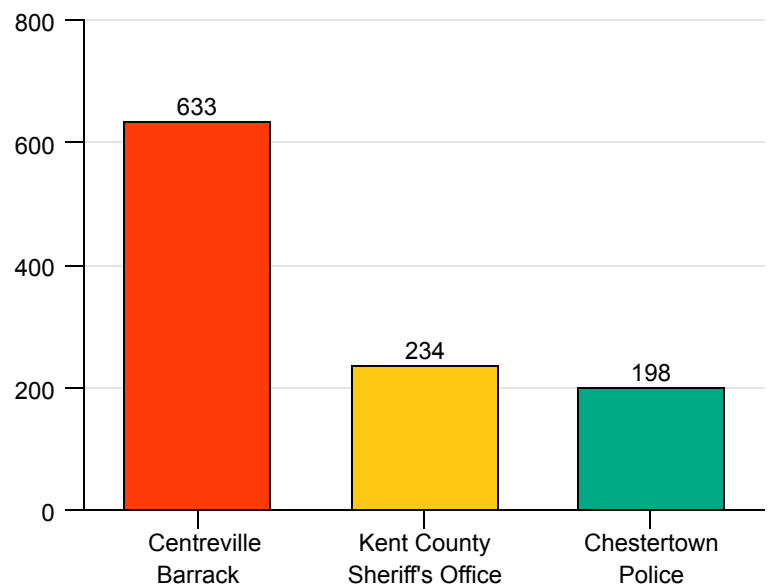
1083
Total Crashes



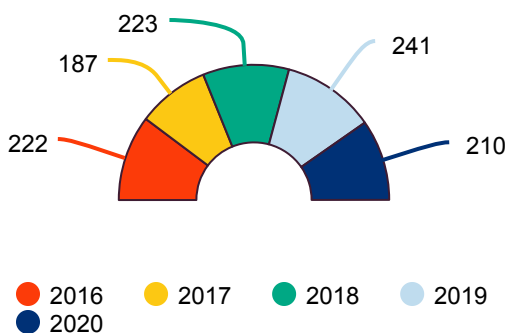
Person Report Counts



Top 3 Reporting Agencies



Crashes by Year

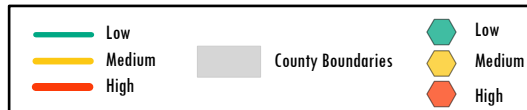
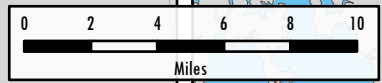
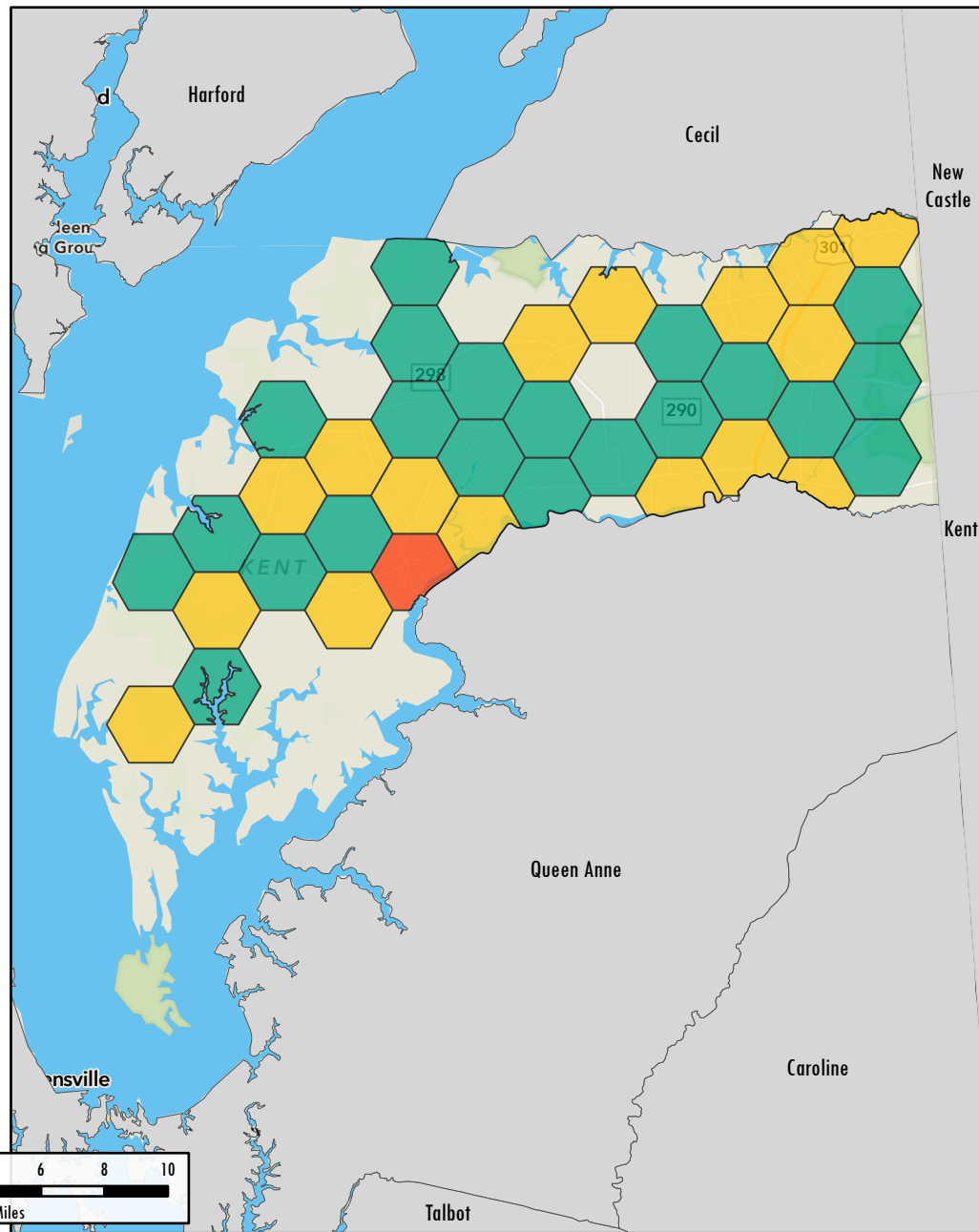
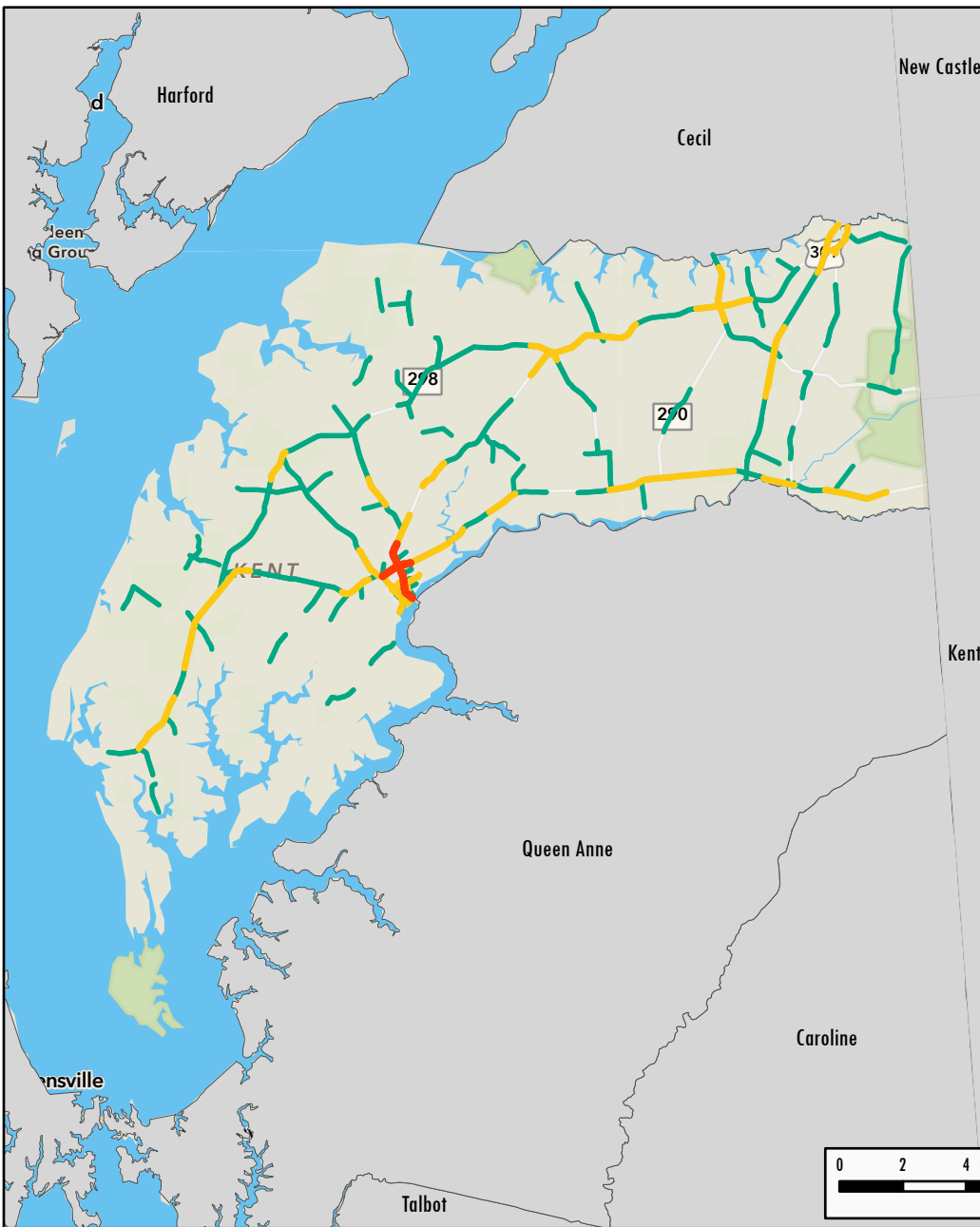


Top Roads Where Crashes Occurred

1. Augustine Herman Hwy
2. Blue Star Memorial Hwy
3. Rock Hall Rd

Kent County 2016 - 2020 Crash Analysis

Overall Crashes

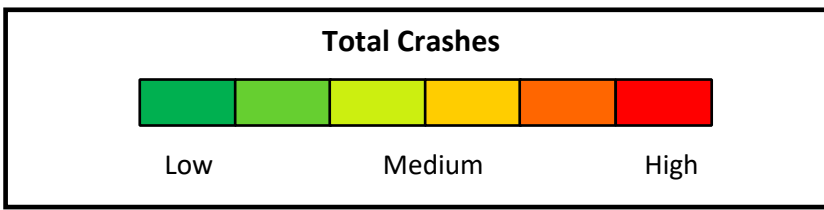


Day and Time Comparison

Kent County Overall Crashes 2016—2020

Time of Day		Day of Week	
0000	51	Sunday	152
0100	21	Monday	142
0200	21	Tuesday	142
0300	12	Wednesday	141
0400	21	Thursday	146
0500	21	Friday	177
0600	36	Saturday	183
0700	45	Top Three Times of Day	
0800	49	1400	
0900	40	1600	
1000	41	1700	
1100	48	Top Three Days of Week	
1200	63	Saturday	
1300	61	Friday	
1400	76	Sunday	
1500	68	Top Three Times and Days	
1600	74	Thursday from 1300 to 1500	
1700	71	Friday from 1600 to 1800	
1800	65	Saturday from 1200 to 1400	
1900	56		
2000	52		
2100	27		
2200	32		
2300	32		

Day/Time	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Grand Total
0000	12	1	7	5	7	6	13	51
0100	9	5	3	0	3	0	1	21
0200	7	4	0	2	2	1	5	21
0300	2	3	1	0	2	1	3	12
0400	1	4	1	4	6	2	3	21
0500	2	2	1	3	6	5	2	21
0600	6	4	7	4	8	3	4	36
0700	3	9	9	3	4	7	10	45
0800	5	5	10	9	5	11	4	49
0900	3	10	10	8	1	1	7	40
1000	4	5	9	7	1	9	6	41
1100	9	7	4	8	5	8	7	48
1200	12	8	3	9	7	13	11	63
1300	10	7	8	6	10	5	15	61
1400	10	7	5	17	14	13	10	76
1500	9	7	13	8	18	6	7	68
1600	6	15	11	8	5	16	13	74
1700	8	10	10	10	10	12	11	71
1800	12	11	5	7	7	11	12	65
1900	7	5	6	7	7	12	12	56
2000	5	5	7	5	6	12	12	52
2100	3	2	6	2	1	9	4	27
2200	5	1	4	4	5	7	6	32
2300	2	5	2	5	6	7	5	32
Grand Total	152	142	142	141	146	177	183	1,083



Maryland Highway Safety Office



Kent County Crash Analysis

Impaired Crashes

2016 - 2020

Overall Crash Statistics

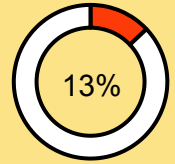
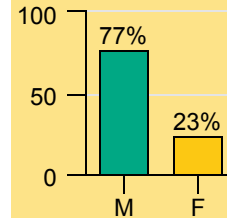
Top Hour: **2200**

Top Day: **Sunday**

Top Month: **August**

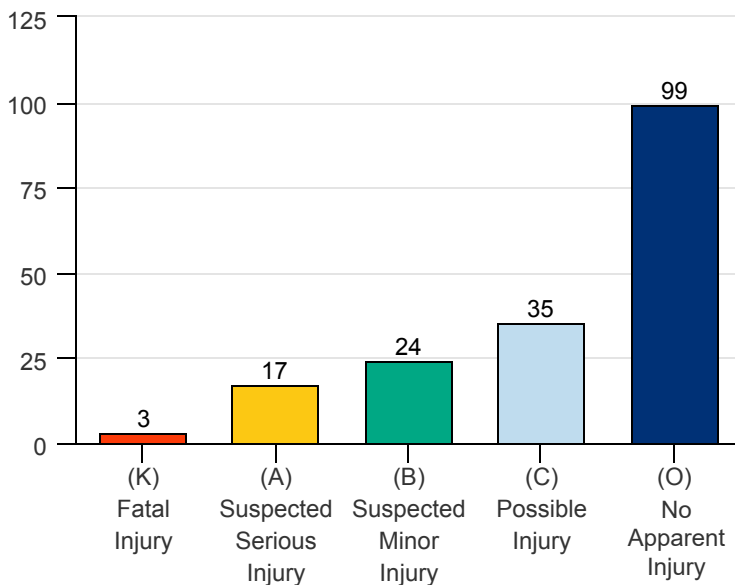
113
Total Crashes

Crashes by Gender

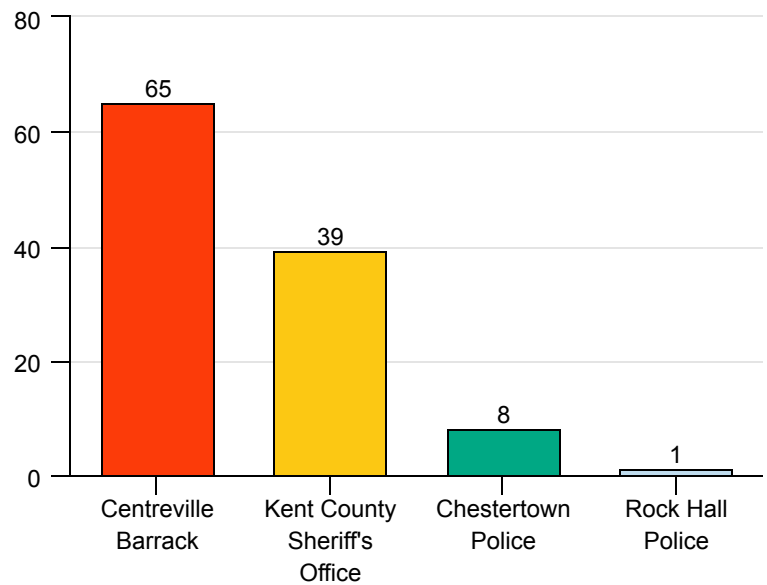


of crashes were intersection-related

Person Report Counts

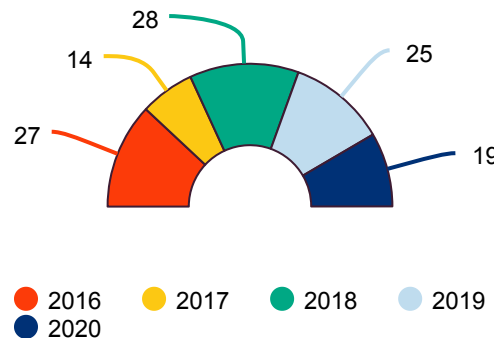


Reporting Agencies



24% of Impaired Crashes occurred within a half mile from on-site liquor license locations

Crashes by Year

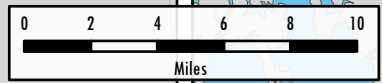
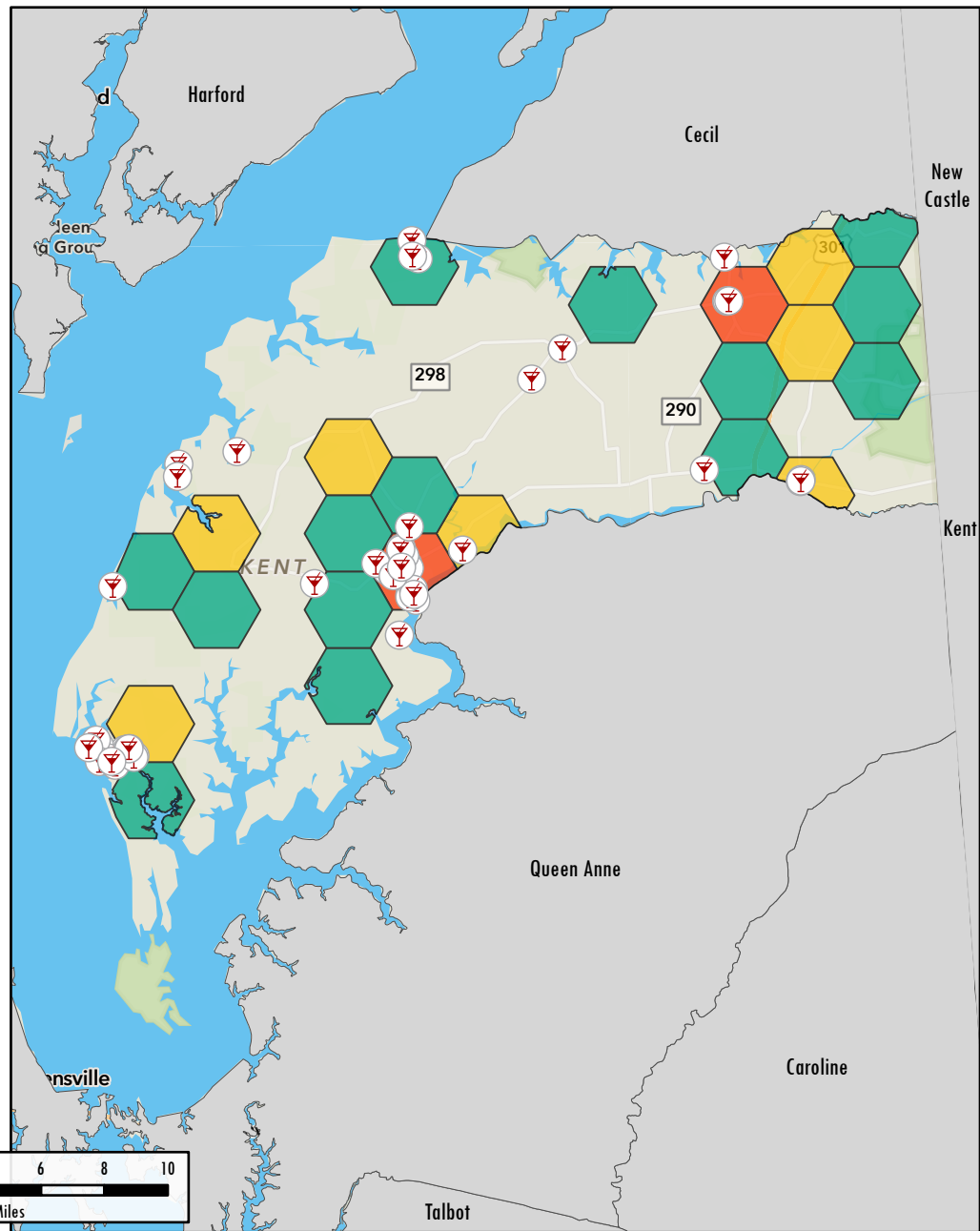
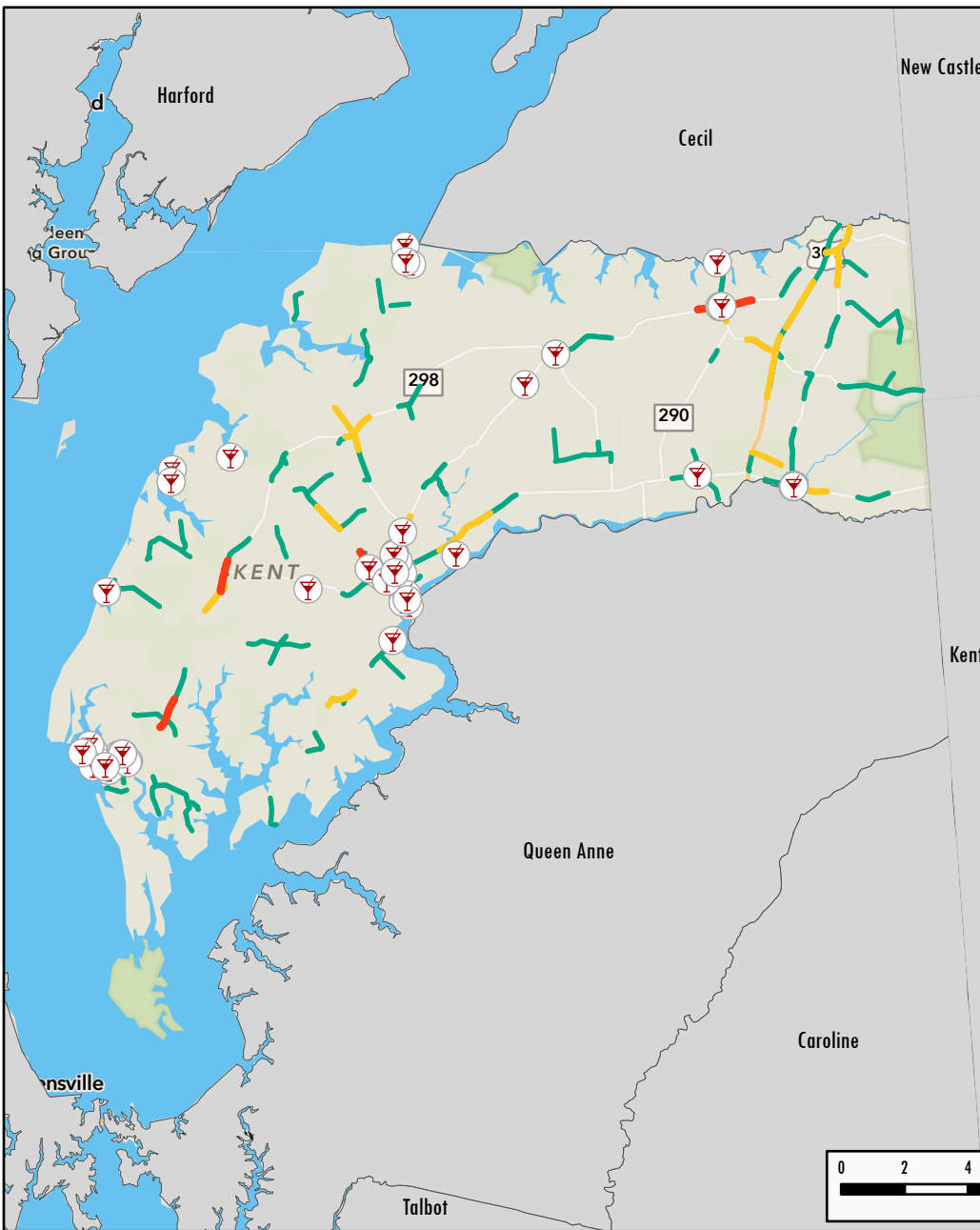


Top Roads Where Crashes Occurred

1. Augustine Herman Hwy
2. Blue Star Memorial Hwy
3. Rock Hall Rd

Kent County 2016 - 2020 Crash Analysis

Impaired Crashes



Day and Time Comparison

Kent County Impaired Crashes 2016—2020

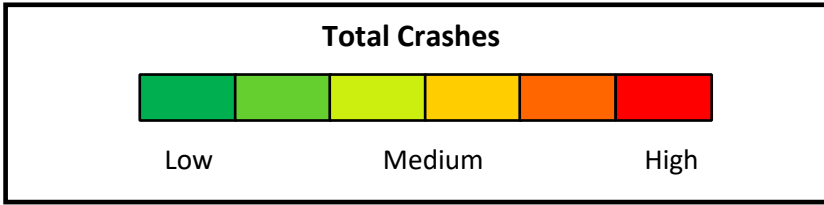
Time of Day		Day of Week	
0000	13	Sunday	31
0100	5	Monday	9
0200	7	Tuesday	14
0300	1	Wednesday	8
0400	3	Thursday	10
0500	3	Friday	18
0600	0	Saturday	23
0700	3		
0800	3		
0900	1		
1000	3		
1100	3		
1200	2		
1300	4		
1400	3		
1500	2		
1600	9		
1700	5		
1800	9		
1900	9		
2000	8		
2100	6		
2200	8		
2300	3		

Top Three Times of Day	
0000	
1600	
1800	

Top Three Days of Week	
Sunday	
Saturday	
Friday	

Top Three Times and Days	
Sunday from 0000 to 0200	
Sunday from 1600 to 1800	
Sunday from 2300 to 0100	

Day/Time	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Grand Total
0000	5	0	0	0	2	2	4	13
0100	4	0	0	0	1	0	0	5
0200	2	2	0	0	0	1	2	7
0300	0	0	1	0	0	0	0	1
0400	0	0	0	1	0	1	1	3
0500	1	1	0	0	0	1	0	3
0600	0	0	0	0	0	0	0	0
0700	1	1	1	0	0	0	0	3
0800	0	0	1	0	0	2	0	3
0900	0	1	0	0	0	0	0	1
1000	0	0	2	0	0	1	0	3
1100	1	0	1	0	0	1	0	3
1200	1	0	0	0	0	0	1	2
1300	0	0	1	1	0	0	2	4
1400	1	0	0	0	1	0	1	3
1500	1	0	0	0	1	0	0	2
1600	3	1	0	3	0	2	0	9
1700	3	0	1	0	0	0	1	5
1800	4	0	0	0	0	1	4	9
1900	3	0	2	0	1	0	3	9
2000	1	1	1	0	1	2	2	8
2100	0	0	1	1	1	3	0	6
2200	0	0	2	2	1	1	2	8
2300	0	2	0	0	1	0	0	3
Grand Total	31	9	14	8	10	18	23	113



Kent County Crash Analysis

Intersection Crashes

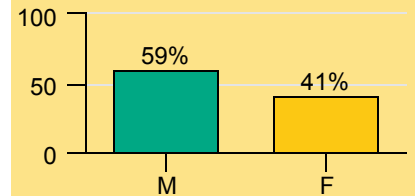
2016 - 2020

Overall Crash Statistics

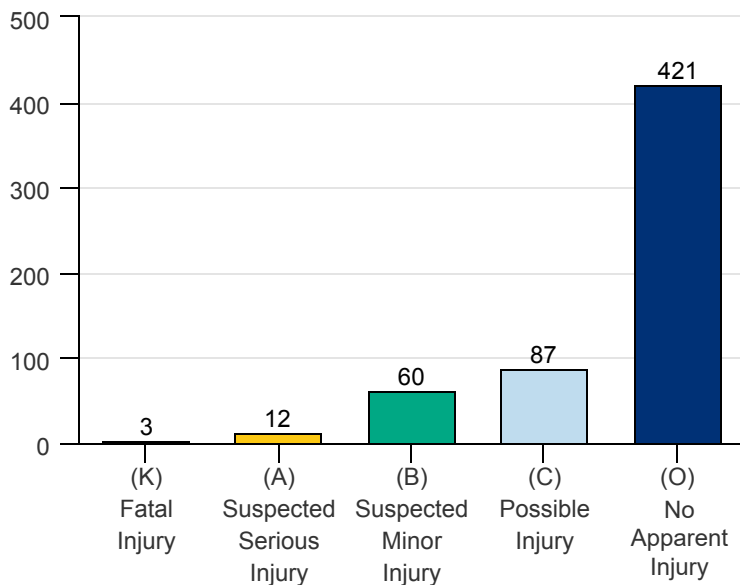
Top Hour: 1500
 Top Day: Friday
 Top Month: May

244
 Total Crashes

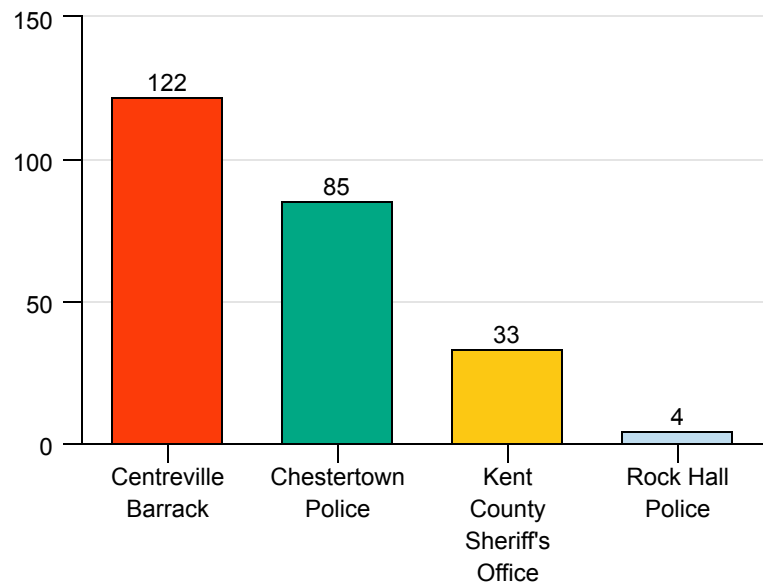
Crashes by Gender



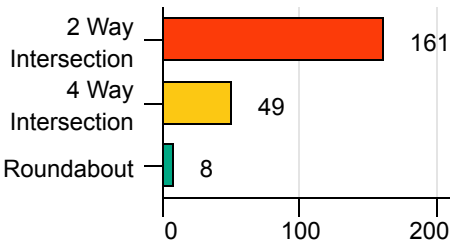
Person Report Counts



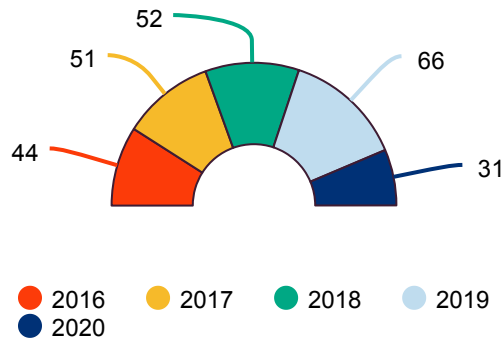
Reporting Agencies



Intersection Type



Crashes by Year

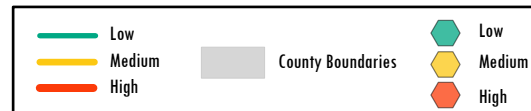
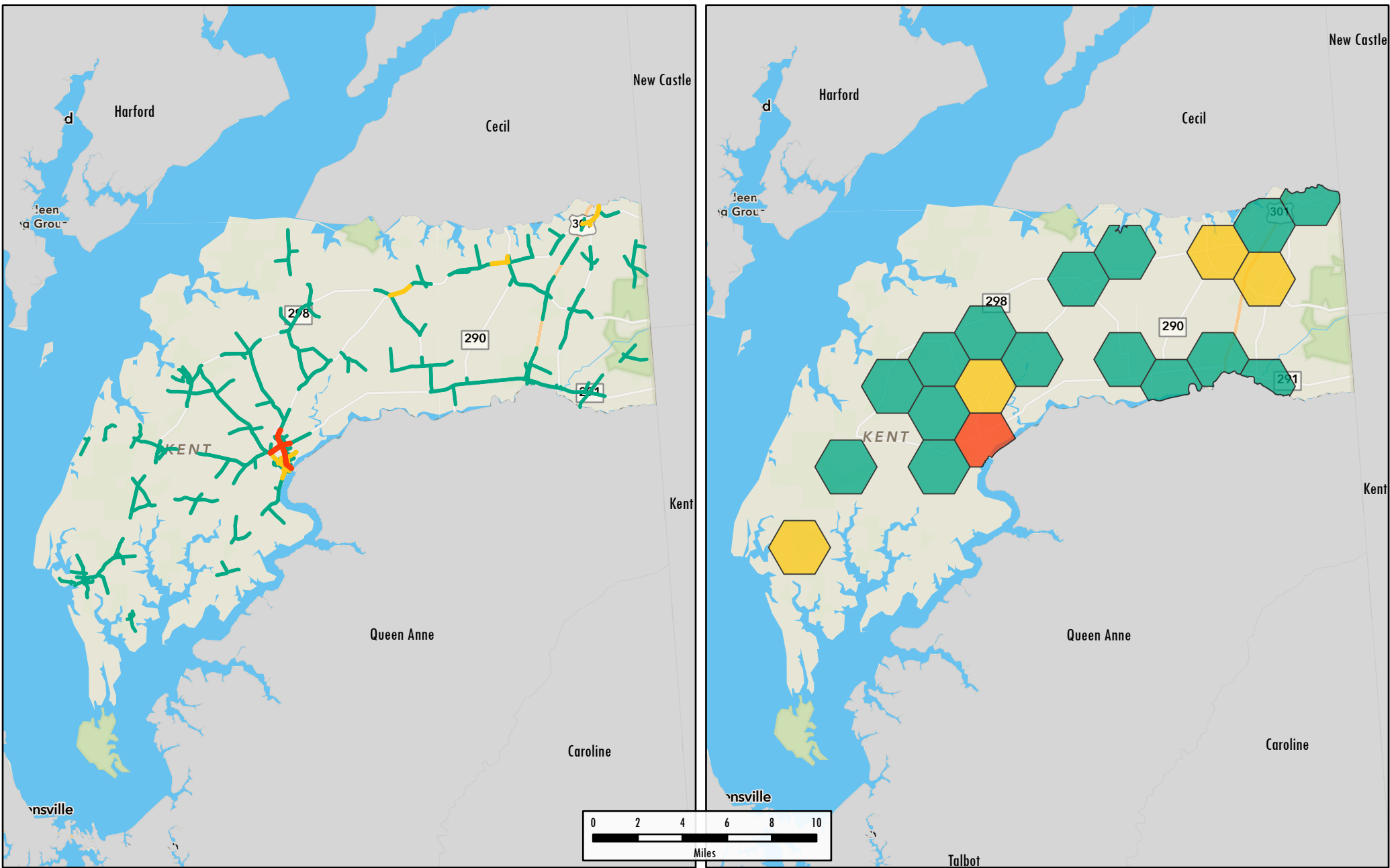


Top Roads Where Crashes Occurred

1. Washington Ave
2. High St
3. Augustine Herman Hwy

*Intersection Type total does not equal crash total due to the fact that the remaining Intersection Type are Unknown

Kent County 2016 - 2020 Crash Analysis Intersection Crashes



Day and Time Comparison

Kent County Intersection Crashes 2016—2020

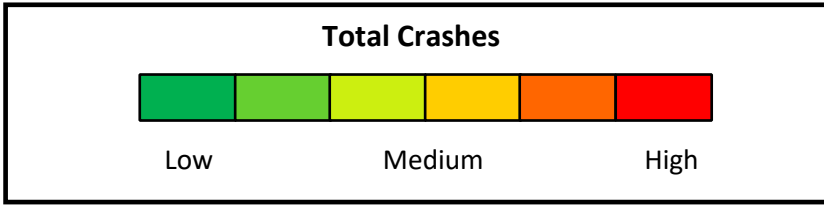
Time of Day		Day of Week	
0000	5	Sunday	32
0100	1	Monday	34
0200	3	Tuesday	28
0300	0	Wednesday	36
0400	1	Thursday	29
0500	5	Friday	47
0600	5	Saturday	38
0700	8		
0800	14		
0900	12		
1000	12		
1100	12		
1200	20		
1300	12		
1400	24		
1500	25		
1600	23		
1700	19		
1800	11		
1900	8		
2000	12		
2100	7		
2200	3		
2300	2		

Top Three Times of Day	
1500	
1400	
1600	

Top Three Days of Week	
Friday	
Saturday	
Wednesday	

Top Three Times and Days	
Friday from 1600 to 1800	
Friday from 1000 to 1200	
Wednesday from 1400 to 1600	

Day/Time	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Grand Total
0000	1	0	0	2	2	0	0	5
0100	1	0	0	0	0	0	0	1
0200	2	0	0	0	0	0	1	3
0300	0	0	0	0	0	0	0	0
0400	0	0	0	0	1	0	0	1
0500	1	1	0	0	1	2	0	5
0600	1	1	1	0	0	0	2	5
0700	3	2	0	0	0	2	1	8
0800	1	3	4	2	1	0	3	14
0900	1	3	2	4	0	0	2	12
1000	1	2	3	2	0	3	1	12
1100	2	1	1	1	1	4	2	12
1200	3	3	2	0	2	5	5	20
1300	0	1	3	1	3	2	2	12
1400	2	2	1	9	3	5	2	24
1500	3	4	6	2	7	1	2	25
1600	2	4	1	3	1	8	4	23
1700	1	3	1	5	3	4	2	19
1800	3	1	0	2	1	3	1	11
1900	0	1	0	1	0	2	4	8
2000	3	1	1	2	2	1	2	12
2100	1	0	1	0	1	3	1	7
2200	0	0	1	0	0	1	1	3
2300	0	1	0	0	0	1	0	2
Grand Total	32	34	28	36	29	47	38	244



Maryland Highway Safety Office



Kent County Crash Analysis

Pedestrian and Bicycle Crashes

2016 - 2020

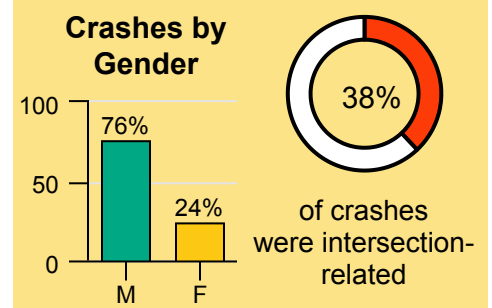
Overall Crash Statistics

Top Hour: 1800

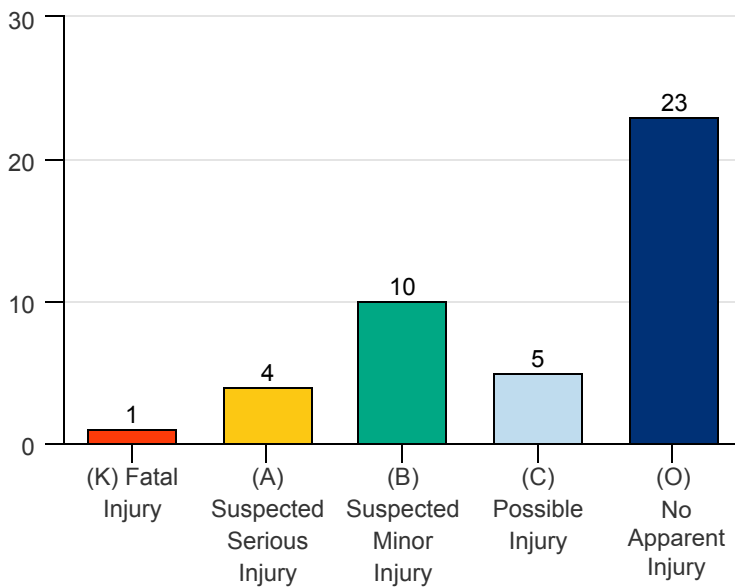
Top Day: Thursday

Top Months: January & October

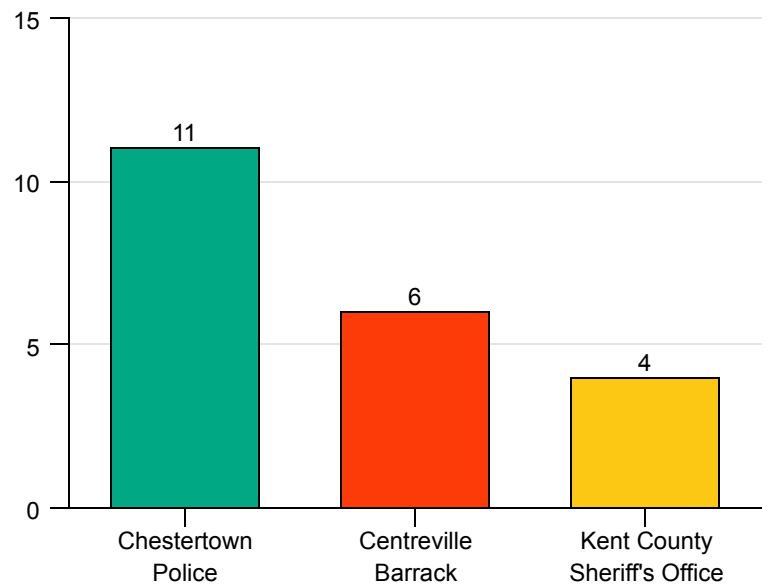
21
Total Crashes



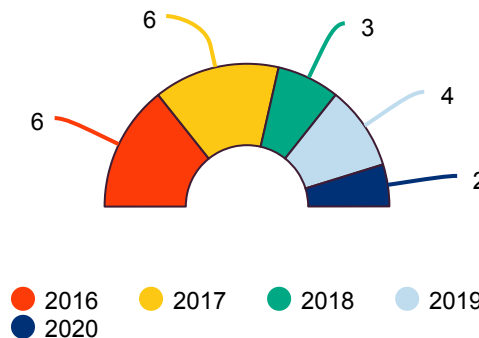
Person Report Counts



Reporting Agencies



Crashes by Year



Top Roads Where Crashes Occurred

1. Washington Ave
2. Rock Hall Rd
3. Spring Ave



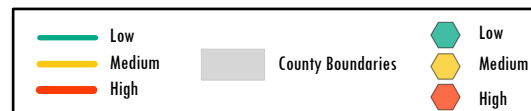
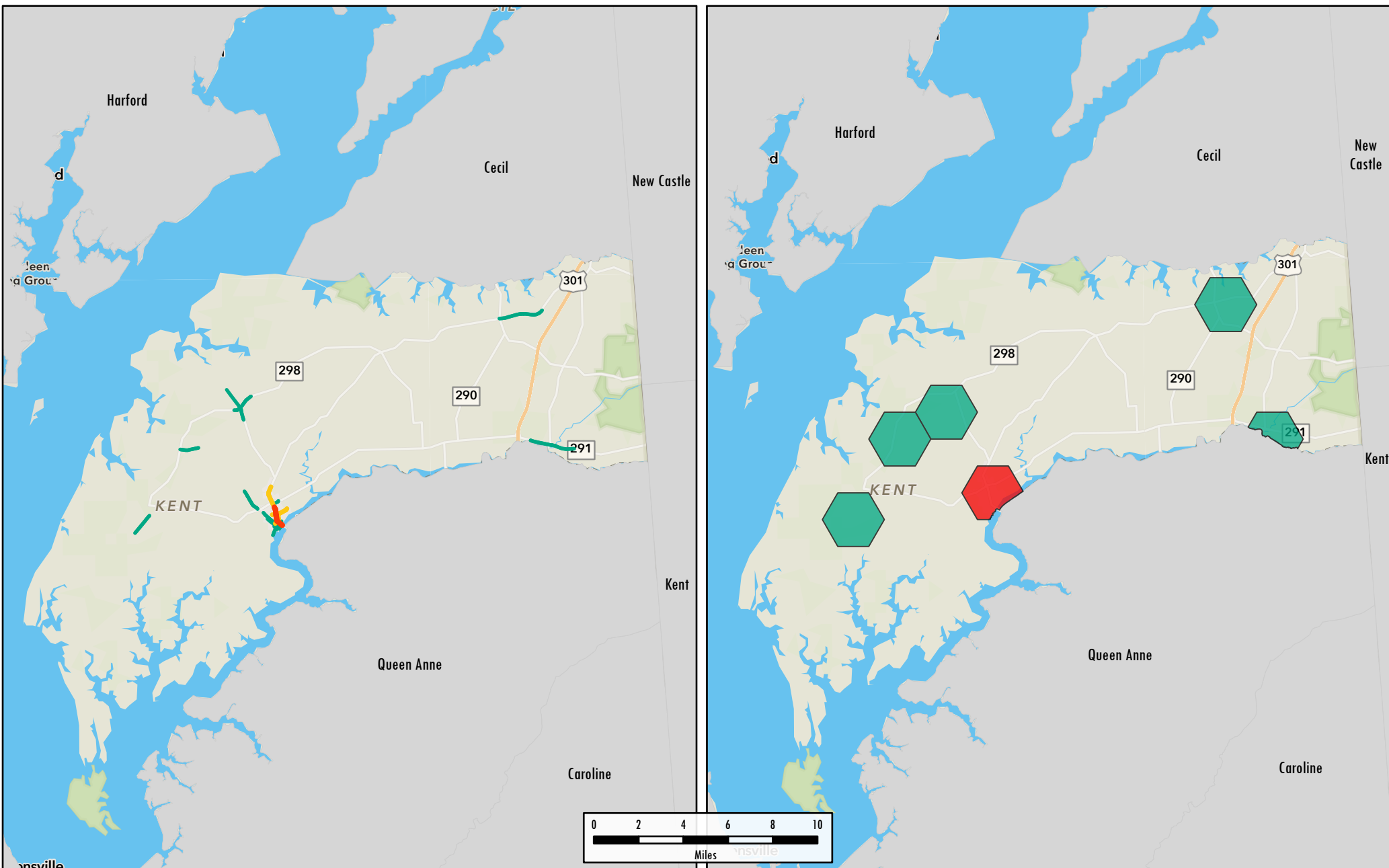
Top Pedestrian and Bicycle Location at Time of Crash:
On Roadway Not At Crosswalk



Top Pedestrian and Bicycle Movement at Time of Crash:
Cross/Enter At Intersection

Kent County 2016 - 2020 Crash Analysis

Pedestrian and Bicycle Crashes



Day and Time Comparison

Kent County Pedestrian and Bicycle Crashes 2016—2020

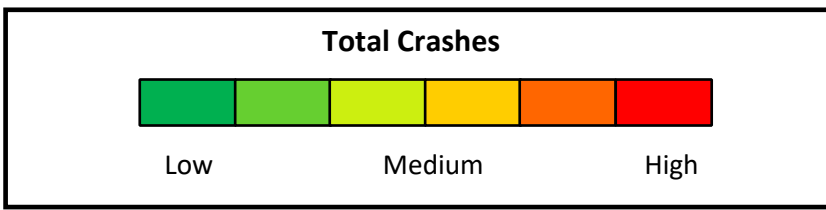
Time of Day		Day of Week	
0000	0	Sunday	0
0100	0	Monday	2
0200	0	Tuesday	3
0300	0	Wednesday	2
0400	0	Thursday	5
0500	0	Friday	5
0600	1	Saturday	4
0700	0		
0800	1		
0900	0		
1000	1		
1100	1		
1200	2		
1300	0		
1400	1		
1500	2		
1600	2		
1700	2		
1800	3		
1900	2		
2000	1		
2100	0		
2200	2		
2300	0		

Top Three Times of Day	
1800	
1200	
1500	

Top Three Days of Week	
Thursday	
Friday	
Saturday	

Top Three Times and Days	
Thursday from 1300 to 1500	
Thursday from 1700 to 1900	
Friday from 1700 to 1900	

Day/Time	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Grand Total
0000	0	0	0	0	0	0	0	0
0100	0	0	0	0	0	0	0	0
0200	0	0	0	0	0	0	0	0
0300	0	0	0	0	0	0	0	0
0400	0	0	0	0	0	0	0	0
0500	0	0	0	0	0	0	0	0
0600	0	0	1	0	0	0	0	1
0700	0	0	0	0	0	0	0	0
0800	0	0	0	0	0	0	1	1
0900	0	0	0	0	0	0	0	0
1000	0	1	0	0	0	0	0	1
1100	0	0	0	1	0	0	0	1
1200	0	0	1	0	1	0	0	2
1300	0	0	0	0	0	0	0	0
1400	0	0	0	0	0	1	0	1
1500	0	0	0	0	2	0	0	2
1600	0	0	1	0	0	0	1	2
1700	0	0	0	1	0	1	0	2
1800	0	1	0	0	1	1	0	3
1900	0	0	0	0	1	1	0	2
2000	0	0	0	0	0	0	1	1
2100	0	0	0	0	0	0	0	0
2200	0	0	0	0	0	1	1	2
2300	0	0	0	0	0	0	0	0
Grand Total	0	2	3	2	5	5	4	21



Kent County Crash Analysis

Speeding Crashes

2016 - 2020

Overall Crash Statistics

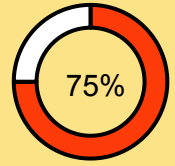
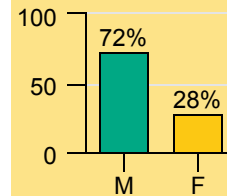
Top Hours: 1300 & 1400

Top Day: Tuesday

Top Month: December

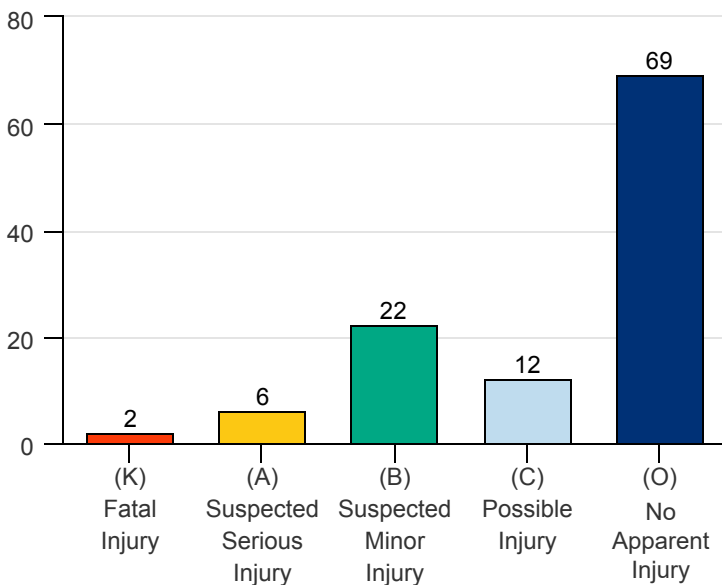
76
Total Crashes

Crashes by Gender

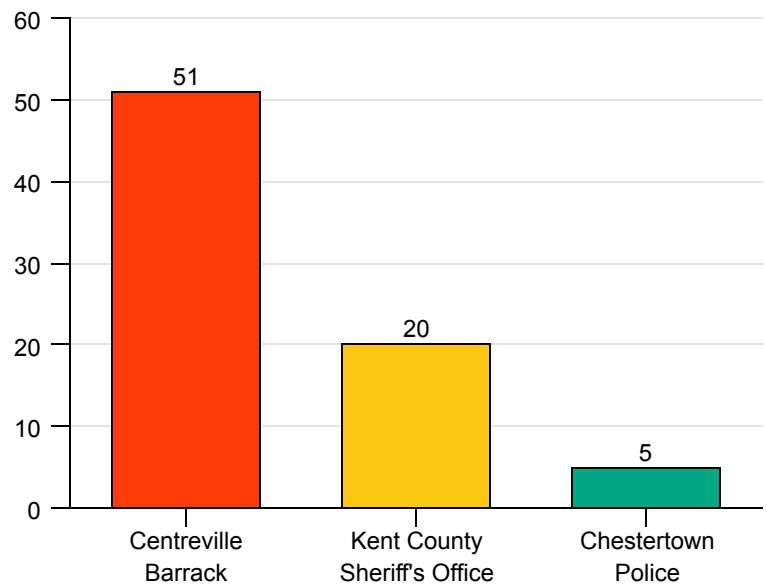


of crashes were intersection-related

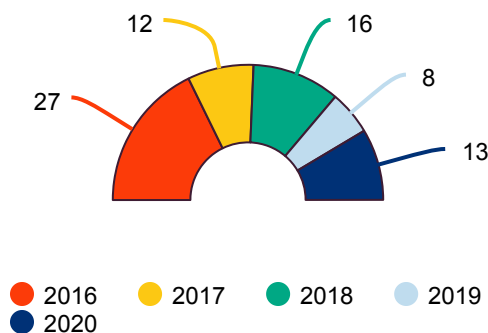
Person Report Counts



Reporting Agencies



Crashes by Year

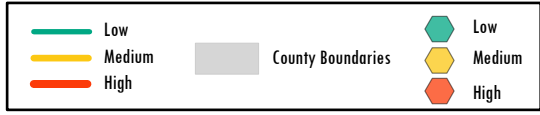
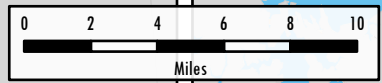
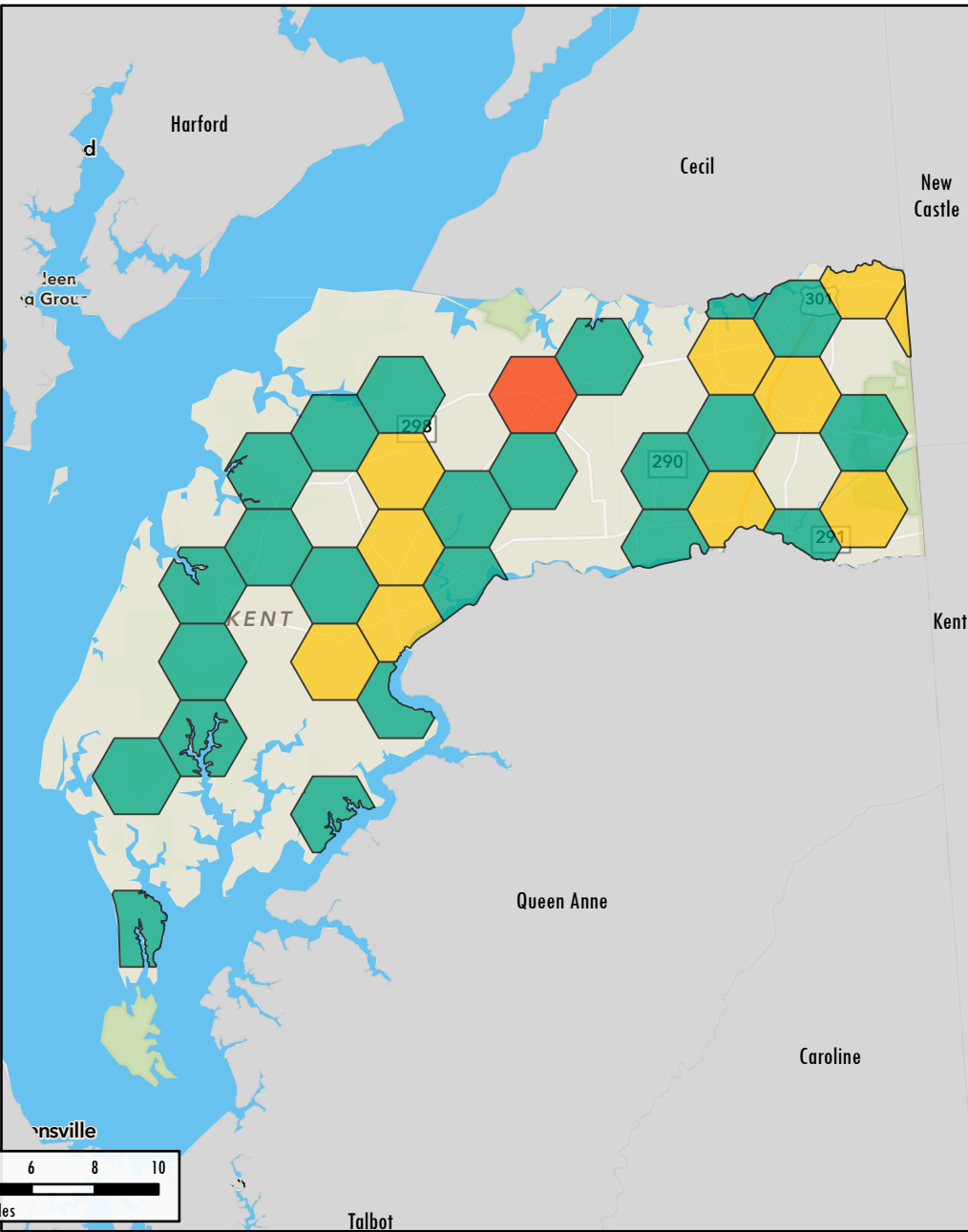
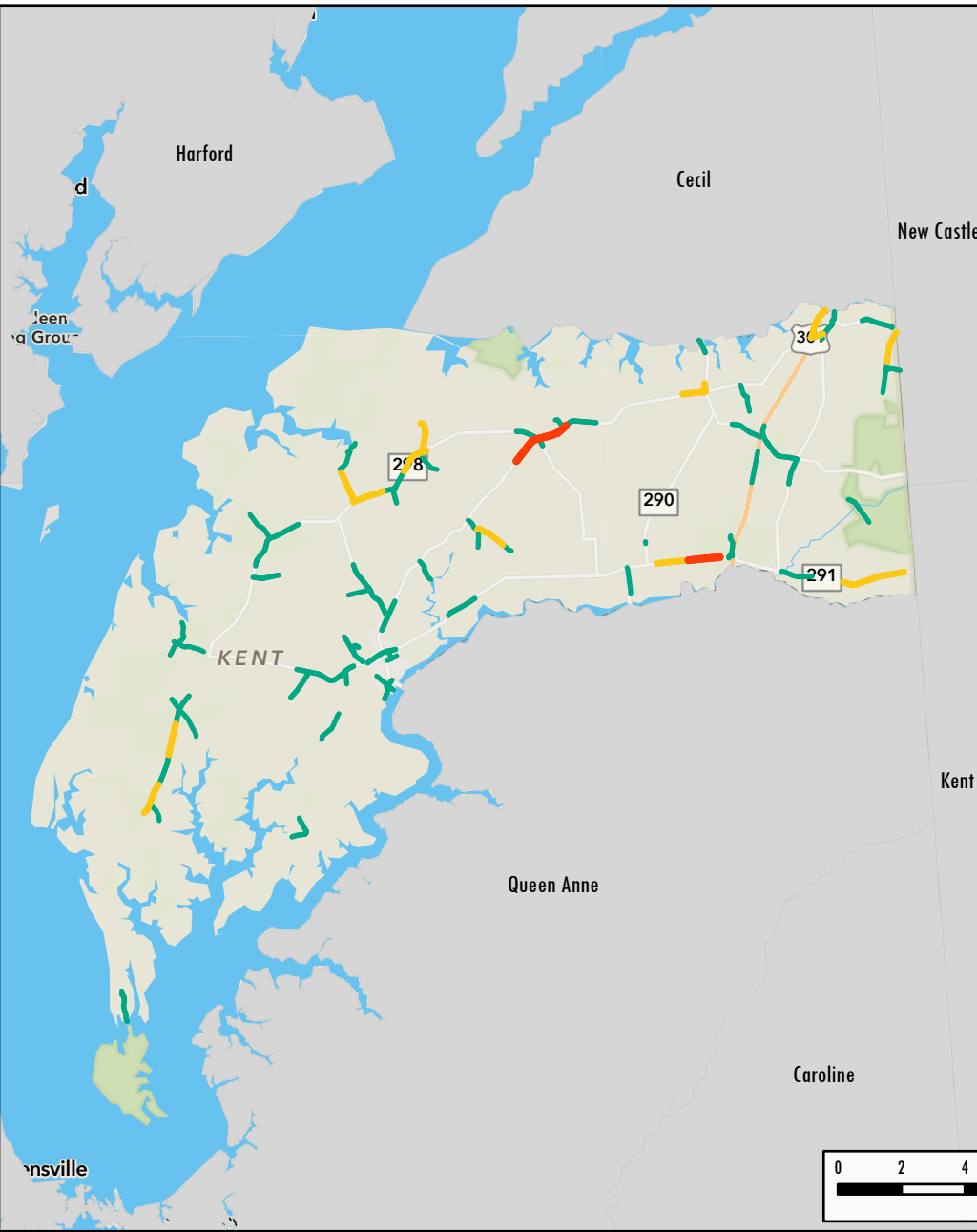


Top Roads Where Crashes Occurred

1. Augustine Herman Hwy
2. Rock Hall Rd
3. Blue Star Memorial Hwy

Kent County 2016 - 2020 Crash Analysis

Speeding Crashes



Day and Time Comparison

Kent County Speeding Crashes 2016—2020

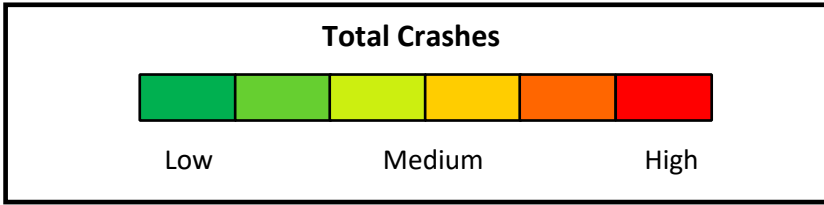
Time of Day		Day of Week	
0000	3	Sunday	13
0100	4	Monday	11
0200	0	Tuesday	14
0300	0	Wednesday	8
0400	0	Thursday	9
0500	2	Friday	10
0600	3	Saturday	11
0700	4		
0800	5		
0900	2		
1000	3		
1100	3		
1200	2		
1300	7		
1400	7		
1500	5		
1600	5		
1700	4		
1800	2		
1900	5		
2000	3		
2100	4		
2200	3		
2300	0		

Top Three Times of Day	
1300	
1400	
0800	

Top Three Days of Week	
Tuesday	
Sunday	
Monday	

Top Three Times and Days	
Monday from 1800 to 2000	
Tuesday from 0600 to 0800	
Sunday from 1300 to 1500	

Day/Time	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Grand Total
0000	0	0	0	1	1	1	0	3
0100	1	2	1	0	0	0	0	4
0200	0	0	0	0	0	0	0	0
0300	0	0	0	0	0	0	0	0
0400	0	0	0	0	0	0	0	0
0500	0	1	0	0	1	0	0	2
0600	0	0	1	1	0	1	0	3
0700	1	0	1	0	0	1	1	4
0800	0	0	2	3	0	0	0	5
0900	0	0	1	0	0	0	1	2
1000	0	1	1	0	0	1	0	3
1100	1	1	0	1	0	0	0	3
1200	0	0	0	0	1	0	1	2
1300	2	0	1	0	1	0	3	7
1400	4	0	0	2	0	1	0	7
1500	2	1	1	0	1	0	0	5
1600	2	0	1	0	0	0	2	5
1700	0	0	1	0	0	2	1	4
1800	0	1	1	0	0	0	0	2
1900	0	1	0	0	2	1	1	5
2000	0	2	0	0	0	0	1	3
2100	0	0	1	0	1	2	0	4
2200	0	1	1	0	1	0	0	3
2300	0	0	0	0	0	0	0	0
Grand Total	13	11	14	8	9	10	11	76



Appendix

Crashes

Crash data was obtained from Maryland State Highway Administration. Crash data years range from 2016 to 2020.

- Crashes were queried by location to include only crashes in Kent County.
- Crashes were queried to include Overall, Speeding, Impaired, Intersection, and Pedestrian and Bicycle
- Street Segments were obtained from Md iMap for Kent County. The counts of joined crashes were symbolized based on the counts per one mile segment.

Crash Queries

Pedestrian and Bicycle Crash Query:

Pedestrian_Type IN ('01', '02', '03')

Intersection Crash Query:

Intersection IN ('02', '03')

Speeding Crash Query:

Contributing_Factor_1 IN ('21', '18') Or Contributing_Factor_2 IN ('21', '18') Or Contributing_Factor_3 IN ('21', '18')
Or Contributing_Factor_4 IN ('21', '18')

Impaired Crash Query:

Accident_Condition IN ('A', 'B', 'D') Or Substance_Use_Code IN ('11', '12', '13', '14', '21', '23', '22', '24') Or
Contributing_Factor_1 IN ('01', '02', '03', '04') Or Contributing_Factor_2 IN ('01', '02', '03', '04') Or
Contributing_Factor_3 IN ('01', '02', '03', '04') Or Contributing_Factor_4 IN ('01', '02', '03', '04')

Additional Notes

Sources: State Highway Administration and Washington College GIS Program

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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.