



2020 Traffic Crash Report & 2016-2020 5-Year Crash Trends for Washtenaw County



WASHTENAW
AREA
TRANSPORTATION
STUDY

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WATS Staff:

Ryan Buck	Director
Nick Sapkiewicz	Transportation Planner
Suzann Flowers	Transportation Planner
Emily Lake	Associate Transportation Planner

2020 Traffic Crash Report & 2016-2020 5-Year Crash Trends

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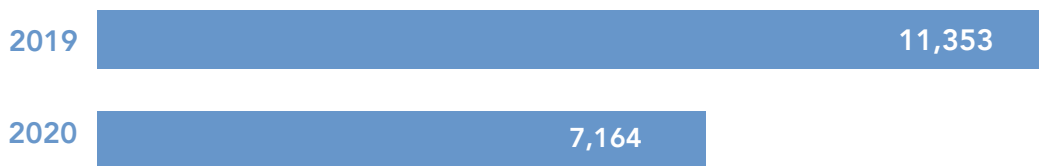
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Executive Summary

WATS provides this report as a resource for Washtenaw County residents, communities, and agencies seeking to make transportation safer. Local agencies need quality crash data to make transportation improvement decisions, improve users' safety, and allocate funds. For example, municipalities use this data to identify locations for improvement using federal safety funds. Citizens and legislators also use information on crash factors to call for changes in policy. WATS uses crash data from the Michigan State Police reporting tool, to update this crash report annually. Based on 2020 data, WATS has updated information on traffic crashes, fatalities, and serious injuries in Washtenaw County. Crash factors identified as emphasis areas include crashes involving: intersections, lane departures, pedestrians, bicyclists, impaired drivers, deer, speeding, young drivers, and older drivers. Crashes may involve more than one factor.

7,164 crashes in 2020, a decrease of 36% from 2019



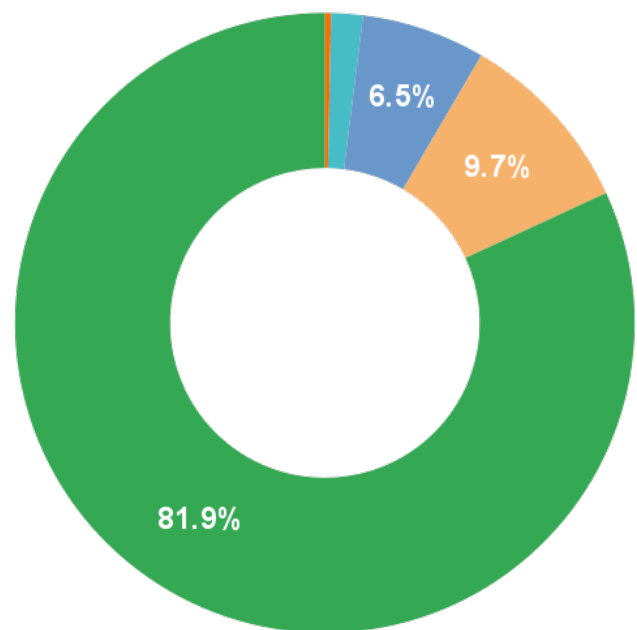
General Trends

Washtenaw County (including the Monroe County portion of the City of Milan) recorded 7,164 crashes in 2020, a decrease of 36% from 11,353 in 2019.

While the overall number of reported crashes decreased, the severe crash rate, shown in Table 1, increased 13% from 3.92 to 4.43. The severe crash rate is also 9% higher in 2020 than the prior five year average. In 2020, there was a significant decrease in VMT due to the Covid-19 pandemic, down 15% from the previous 5-year average.

Chart 1 shows the distribution of crash severity throughout reported crashes. In Washtenaw County, 82% of the 7,164 reported crashes involved property damage without injuries, 16% involved minor or possible injuries, and 1.9%, or 141 crashes, involved serious or fatal injuries.

CHART 1: CRASH SEVERITY FOR WASHTENAW COUNTY (2020)



- Fatal Injury (K)
- Possible Injury (C)
- Serious Injury (A)
- No Injury (PDO)
- Minor Injury (B)

Executive Summary

TABLE 1: SEVERE CRASH RATE FOR WASHTENAW COUNTY (2016-2020 5-YR TREND)

	2016	2017	2018	2019	2020	5-YR TREND
FATAL & SERIOUS INJURY CRASHES	152	184	164	155	141	
ANNUAL VMT (M)	36.74410	38.44342	40.49252	39.53349	31.80892	
SEVERE CRASH RATE	4.14	4.79	4.05	3.92	4.43	

The severe crash rate is obtained by dividing the number of reported fatal (K) and serious injury (A) crashes by the annual vehicle miles traveled (VMT) for Washtenaw County.

Severe Crash Rate of 4.43 in 2020, an increase of 13% from 2019

Data Collection

WATS obtains crash data for municipalities and agencies from Michigan Traffic Crash Facts reporting tool. Crash totals may vary slightly when comparing agencies, municipalities, and cause of crashes. The Monroe County portion of the City of Milan is included in the municipality totals. Agency totals may include data reported from outside the county.

For more information:

<http://www.michigantrafficcrashfacts.org/> provides information on specific crashes, maps, and data from throughout Michigan. Use the Data Query tool for maps and crash reports.

SEMCOG also maintains a searchable database of crashes in Southeastern Michigan at <http://www.semco.org/Safety.aspx>.

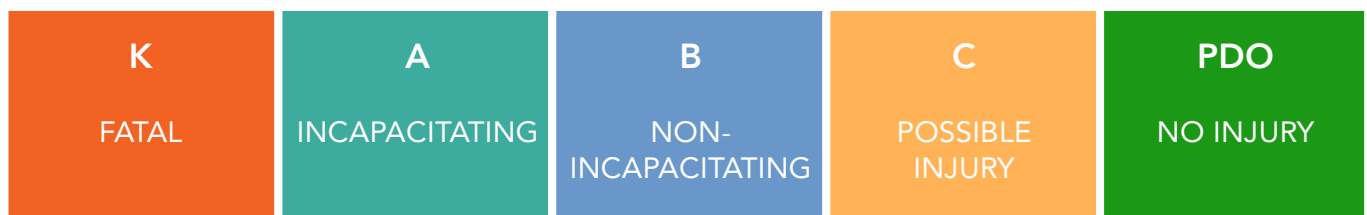
Crash Severity

There were 7,164 total reported crashes in 2020, down 36% from 2019. Traffic fatalities decreased slightly from 24 in 2019 to 23 in 2020. Serious injury crashes decreased 10% from 131 in 2019 to 118 in 2020.

TABLE 2: TRAFFIC CRASHES AND CRASH SEVERITY FOR WASHTENAW COUNTY (2016-2020 5-YR TREND)

	2016	2017	2018	2019	2020	5-YR TREND
CRASHES	11,702	11,331	11,006	11,353	7,164	
FATAL CRASHES	23	37	25	24	23	
SERIOUS INJURY CRASHES	129	147	139	131	118	

Michigan law enforcement officers' code injury severity, from K-Fatal to PDO-No Injury. Codes are based on the most severe injury in the crash. Reporting agencies code a single fatal or serious injury crash regardless of the number of persons killed or seriously injured. Fatalities and serious injuries report the number of people killed or seriously injured.



Fatal and Serious Injury Crashes

In 2020, 23 fatal crashes occurred in Washtenaw County resulting in 26 fatalities. The 23 fatal crashes included eight pedestrians and two bicyclists. The highest number of fatal crashes occurred in the City of Ypsilanti. Of the 23 reported fatal crashes, 10 crashes involved lane departures (43% of fatal crashes) and 5 crashes involved alcohol (21% of fatal crashes). Serious Injury crashes include those coded as A-Incapacitating. In 2020, there were 118 reported serious injury crashes resulting in 131 serious injuries. The 118 serious injury crashes included 12 pedestrians and six bicyclists. The highest number of serious injury crashes occurred in the City of Ann Arbor and Ypsilanti Township.

23 Fatal Crashes Resulted in 26 Fatalities in Washtenaw County (2020)

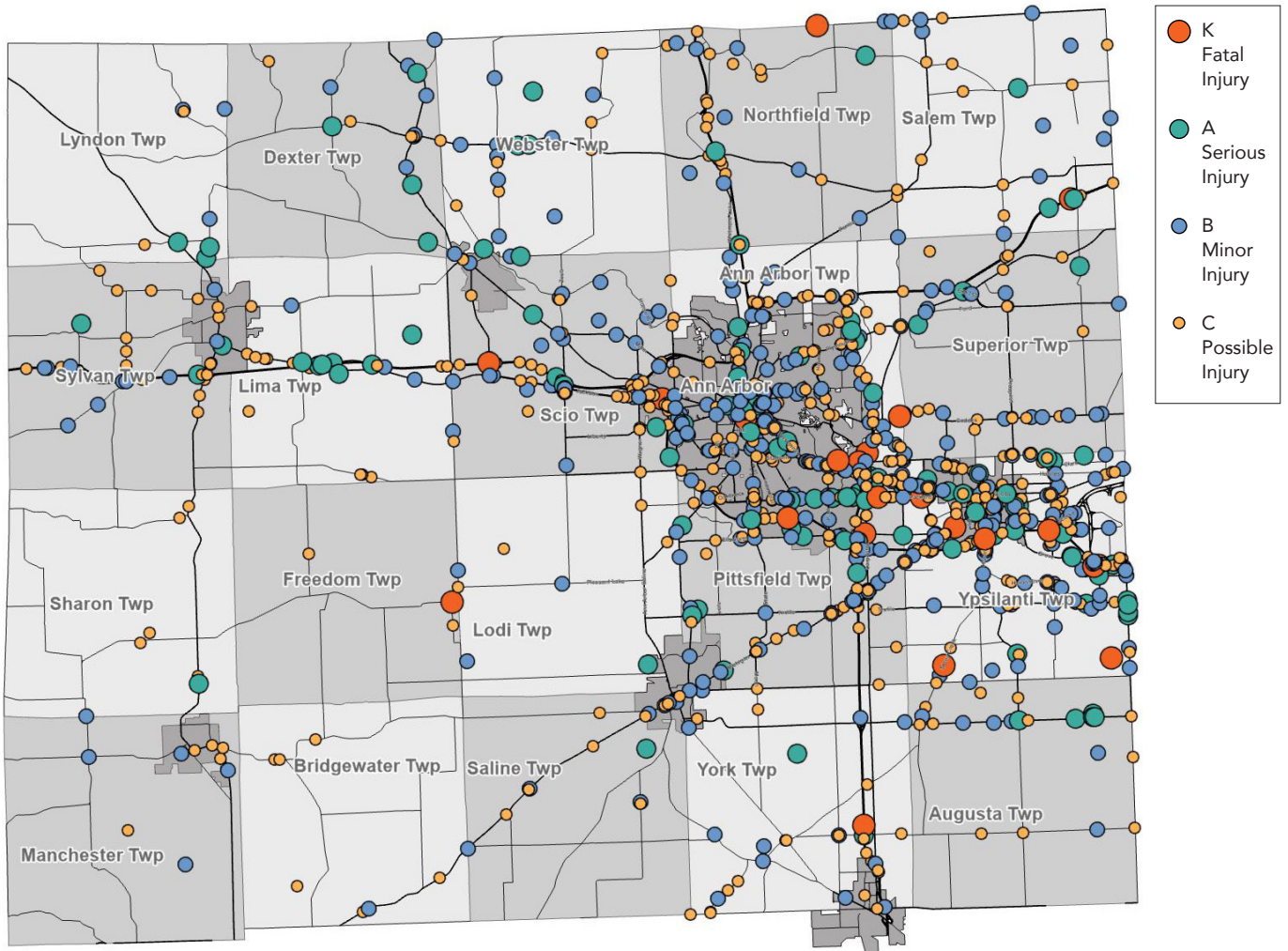
Crash Severity

TABLE 3: TRAFFIC CRASHES AND CRASH SEVERITY BY MUNICIPALITY (2020)

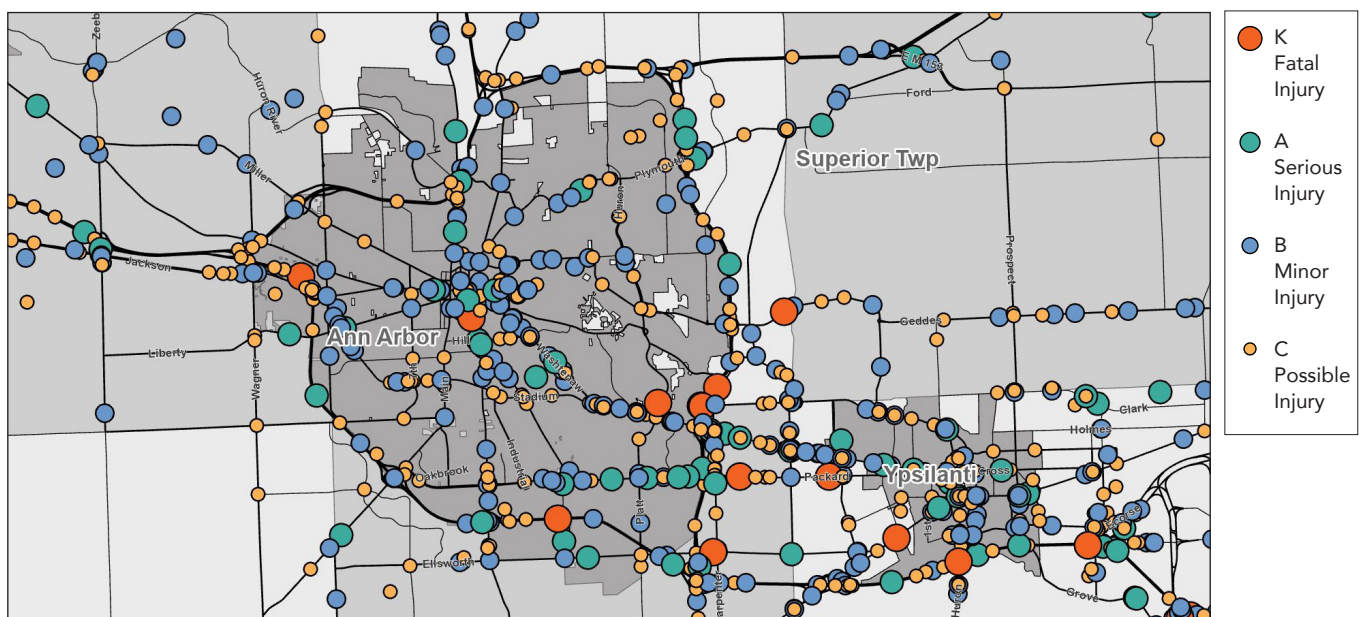
COMMUNITY	CRASHES			PERSONS	
	CRASHES	FATAL CRASHES	SERIOUS INJURY CRASHES	FATALITIES	SERIOUS INJURIES
CITIES AND VILLAGES					
Ann Arbor	1,789	4	24	4	24
Barton Hills	5	0	1	0	1
Chelsea	99	0	1	0	2
Dexter	41	0	0	0	0
Manchester	11	0	0	0	0
Milan	33	0	0	0	0
Saline	132	0	1	0	1
Ypsilanti	657	2	11	2	11
TOTAL	2,767	6	38	6	39
TOWNSHIPS					
Ann Arbor Twp	350	2	2	2	3
Augusta Twp	76	0	5	0	7
Bridgewater Twp	60	0	0	0	0
Dexter Twp	92	0	5	0	5
Freedom Twp	26	1	0	2	0
Lima Twp	107	0	7	0	7
Lodi Twp	78	0	0	0	0
Lyndon Twp	68	0	3	0	4
Manchester Twp	63	0	0	0	0
Northfield Twp	181	1	4	1	4
Pittsfield Twp	880	4	12	5	14
Salem Twp	164	1	3	1	4
Saline Twp	55	0	1	0	1
Scio Twp	410	1	4	1	4
Sharon Twp	54	0	1	0	1
Superior Twp	304	0	3	0	5
Sylvan Twp	161	0	2	0	2
Webster Twp	118	0	5	0	6
York Twp	183	1	2	1	2
Ypsilanti Twp	967	6	21	7	24
TOTAL	4397	17	80	20	93
WASHTENAW COUNTY	7,164	23	118	26	132

Crash Severity

MAP 1: INJURY CRASH LOCATIONS FOR WASHTENAW COUNTY (2020)



MAP 2: URBAN AREA DETAIL FOR INJURY CRASH LOCATIONS (2020)



Crash Types

The Michigan State Police and other reporting agencies define major crash types as follows:



Single Motor Vehicle

Single Motor Vehicle crashes involve only one vehicle and are not caused by another vehicle. Includes collisions with pedestrians, bicycles, animals, trains, and other fixed objects or rollovers.



Head On

Head On crashes occur when two vehicles coming from opposite directions collide while facing each other.



Angle or Head On / Left Turn

Angle crashes occur when one vehicle hits the side of another at a perpendicular angle. May be strong enough to stop forward motion of vehicles.

Head On / Left Turn crashes occur when two vehicles coming from opposite directions collide while facing each other and when one or both vehicles were attempting to turn left.



Rear End

Rear End crashes occur when one vehicle hits the rear of another vehicle while going the same direction. Usually when stopping or accelerating and when the vehicle that was hit was attempting to turn left or right.



Sideswipe

Sideswipe crashes occur when a vehicle hits the side of another vehicle, makes contact at a glancing angle, and when the two vehicles are travelling in the same or opposite directions.

Crash Types

TABLE 4: TRAFFIC CRASHES AND CRASH TYPE FOR WASHTENAW COUNTY (2016-2020 5-YR TREND)

	2016	2017	2018	2019	2020	5-YR TREND
SINGLE MOTOR VEHICLE	2,795	2,903	2,786	3,002	2,524	
HEAD ON	118	93	111	113	92	
ANGLE OR HEAD ON / LEFT TURN	2,150	1,970	1,890	1,927	1,201	
REAR END	4,261	4,008	3,806	3,787	1,865	
SIDESWIPE	1,798	1,692	1,744	1,824	1,062	
OTHER / UNKNOWN	580	665	669	700	420	

The distribution of crash types remains relatively consistent with the prior five year average. Single motor vehicles were the most common crash type, making up 35% of all crashes in Washtenaw County. Single motor vehicle crashes are also the most severe, making up 43% of all traffic fatalities and serious injuries. The second most common type of crash, rear end crashes, made up 26% of all crashes.

CHART 2: CRASH TYPE BY PERCENT OF CRASHES FOR WASHTENAW COUNTY (2020)

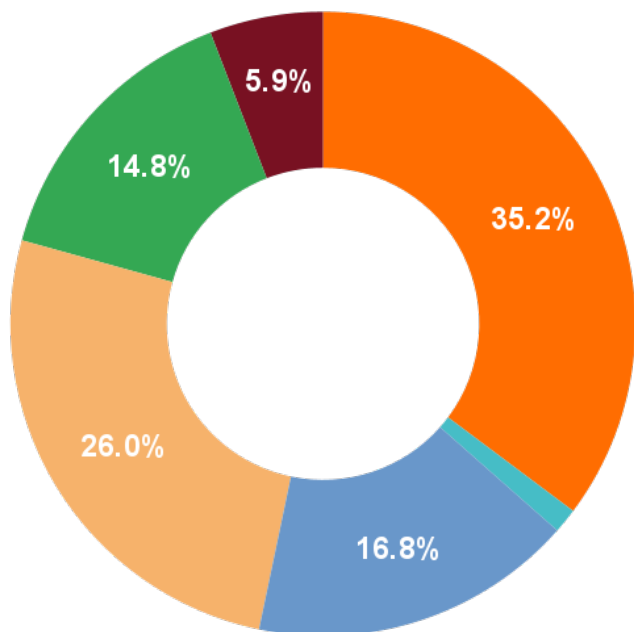
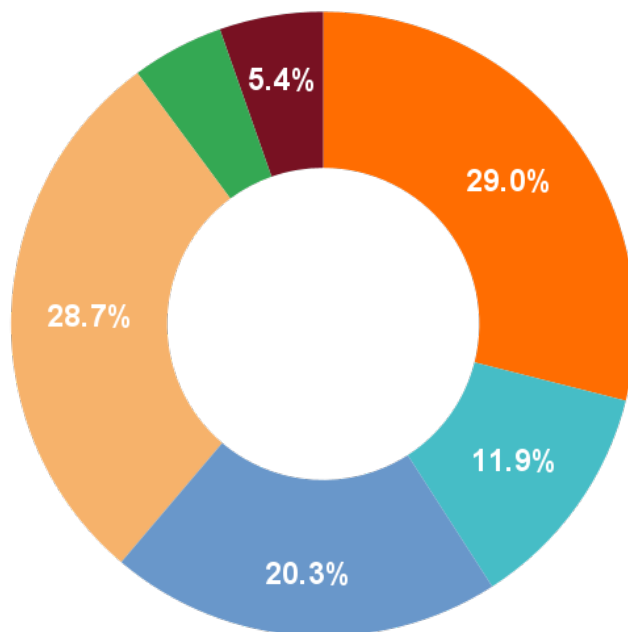


CHART 3: FATALITIES AND SERIOUS INJURIES BY CRASH TYPE FOR WASHTENAW COUNTY (2020)



- Single Motor Vehicle
- Angle or Head On / Left Turn
- Sideswipe
- Head On
- Rear End
- Other / Unknown

Crash Types

TABLE 5: TRAFFIC CRASHES AND CRASH TYPE BY MUNICIPALITY (2020)

COMMUNITY	SINGLE MOTOR VEHICLE	HEAD ON	ANGLE OR HEAD ON / LEFT TURN	REAR END	SIDESWIPE	OTHER / UNKNOWN
CITIES AND VILLAGES						
Ann Arbor	336	14	370	601	354	114
Barton Hills	4	0	0	0	1	0
Chelsea	34	0	21	19	15	10
Dexter	10	1	3	16	4	7
Manchester	5	0	3	0	2	1
Milan	5	0	6	5	11	6
Saline	23	1	29	56	14	9
Ypsilanti	101	9	154	196	131	66
TOTAL	518	25	586	893	532	213
TOWNSHIPS						
Ann Arbor Twp	191	4	12	76	55	12
Augusta Twp	47	0	9	10	5	5
Bridgewater Twp	51	2	0	3	3	1
Dexter Twp	63	3	9	11	3	3
Freedom Twp	20	0	3	2	1	0
Lima Twp	72	0	8	13	9	5
Lodi Twp	54	1	15	3	4	1
Lyndon Twp	54	1	3	4	6	0
Manchester Twp	46	0	7	4	3	3
Northfield Twp	125	0	12	24	11	9
Pittsfield Twp	205	14	154	330	140	37
Salem Twp	97	2	24	19	13	9
Saline Twp	40	1	3	6	2	3
Scio Twp	199	4	59	78	52	18
Sharon Twp	42	1	1	4	3	3
Superior Twp	181	8	30	47	27	11
Sylvan Twp	112	0	9	17	17	6
Webster Twp	84	1	13	10	4	6
York Twp	116	1	15	23	16	12
Ypsilanti Twp	207	24	229	288	156	63
TOTAL	2006	67	615	972	530	207
WASHTENAW COUNTY	2,524	92	1,201	1,865	1,062	420

Crashes Involving Lane Departures

TABLE 6: TRAFFIC CRASHES INVOLVING LANE DEPARTURES FOR WASHTENAW COUNTY (2016-2020 5-YR TREND)

	2016	2017	2018	2019	2020	5-YR TREND
CRASHES	1,790	1,910	1,758	1,892	1,390	
FATAL CRASHES	14	17	14	12	10	
SERIOUS INJURY CRASHES	52	57	60	50	43	

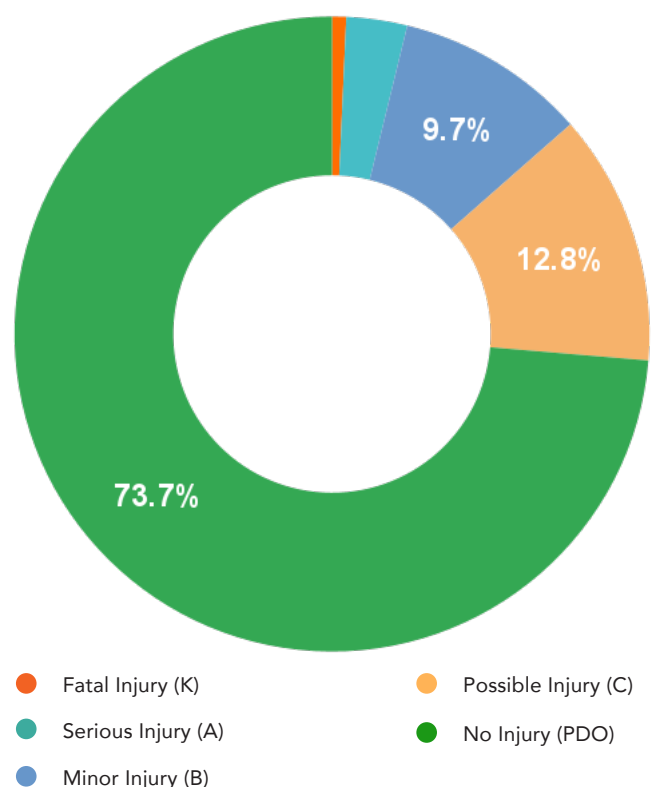
43% of All Fatal Crashes Involved Lane Departures (2020)

Lane departure crashes are defined as crashes that occur when vehicles cross over either the centerline or edge line, resulting in head-on, opposite direction sideswipe, or run-off-the-road collisions. Lane departures are one of the most severe crash factors in Washtenaw County.

Key Observations

- There were 1,390 lane departure crashes in 2020, down 26% from 1,892 in 2019.
- Crashes involving lane departures represented 19% of all crashes, 43% of all fatal crashes, and 36% of all serious injury crashes.
- Most lane departure crashes occurred in the City of Ann Arbor (18%) and Ypsilanti Township (12%).

CHART 4: CRASHES INVOLVING LANE DEPARTURES BY SEVERITY FOR WASHTENAW COUNTY (2020)



Crashes Involving Lane Departures

TABLE 7: TRAFFIC CRASHES INVOLVING LANE DEPARTURES BY MUNICIPALITY (2020)

COMMUNITY	CRASHES			PERSONS	
	CRASHES	FATAL CRASHES	SERIOUS INJURY CRASHES	FATALITIES	SERIOUS INJURIES
CITIES AND VILLAGES					
Ann Arbor	262	1	4	1	4
Barton Hills	2	0	0	0	0
Chelsea	17	0	0	0	0
Dexter	8	0	0	0	0
Manchester	3	0	0	0	0
Milan	13	0	0	0	0
Saline	14	0	0	0	0
Ypsilanti	85	0	4	0	4
TOTAL	404	1	8	1	8
TOWNSHIPS					
Ann Arbor Twp	97	0	0	0	0
Augusta Twp	31	0	2	0	2
Bridgewater Twp	19	0	0	0	0
Dexter Twp	18	1	1	2	2
Freedom Twp	5	0	0	0	0
Lima Twp	29	0	3	0	3
Lodi Twp	20	0	0	0	0
Lyndon Twp	18	0	2	0	3
Manchester Twp	12	1	0	1	0
Northfield Twp	53	1	2	1	2
Pittsfield Twp	139	2	3	2	4
Salem Twp	43	0	1	0	1
Saline Twp	15	1	1	1	1
Scio Twp	73	1	1	1	1
Sharon Twp	11	0	0	0	0
Superior Twp	72	0	3	0	5
Sylvan Twp	53	0	2	0	2
Webster Twp	34	0	4	0	5
York Twp	66	0	2	0	2
Ypsilanti Twp	178	2	8	2	9
TOTAL	986	9	35	10	42
WASHTENAW COUNTY	1,390	10	43	11	50

Crashes Involving Intersections

TABLE 8: TRAFFIC CRASHES INVOLVING INTERSECTIONS FOR WASHTENAW COUNTY (2016-2020 5-YR TREND)

	2016	2017	2018	2019	2020	5-YR TREND
CRASHES	3,498	3,087	2,950	2,952	1,963	
FATAL CRASHES	2	7	3	3	2	
SERIOUS INJURY CRASHES	28	48	37	35	34	

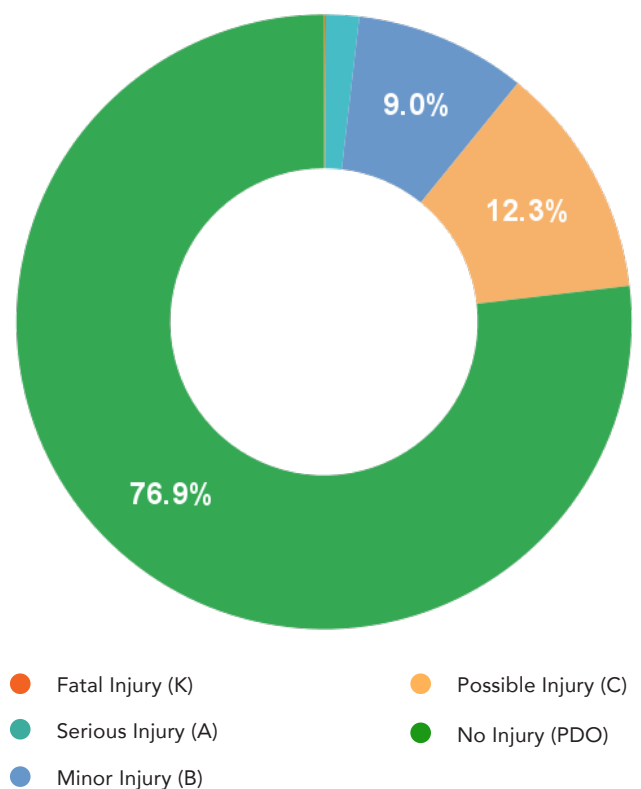
27% of All Crashes Involved Intersections (2020)

Intersection crashes are defined as crashes where the first harmful event occurred within 150 feet of an intersection. Includes signalized, non-signalized, and roundabout intersections.

Key Observations

- The number of crashes involving intersections decreased 32% from the previous five year average.
- Intersections were involved in 27% of all crashes, 8% of all fatal crashes, and 28% of all serious injury crashes.
- Most intersection crashes occurred in the City of Ann Arbor and Ypsilanti Township.

CHART 5: CRASHES INVOLVING INTERSECTIONS BY SEVERITY FOR WASHTENAW COUNTY (2020)



Crashes Involving Intersections

TABLE 9: TRAFFIC CRASHES INVOLVING INTERSECTIONS BY MUNICIPALITY (2020)

COMMUNITY	CRASHES			PERSONS	
	CRASHES	FATAL CRASHES	SERIOUS INJURY CRASHES	FATALITIES	SERIOUS INJURIES
CITIES AND VILLAGES					
Ann Arbor	668	0	11	0	11
Barton Hills	0	0	0	0	0
Chelsea	27	0	1	0	2
Dexter	12	0	0	0	0
Manchester	2	0	0	0	0
Milan	9	0	0	0	0
Saline	52	0	0	0	0
Ypsilanti	278	1	2	1	2
TOTAL	1,048	1	14	1	15
TOWNSHIPS					
Ann Arbor Twp	34	0	0	0	0
Augusta Twp	15	0	1	0	3
Bridgewater Twp	2	0	0	0	0
Dexter Twp	8	0	2	0	2
Freedom Twp	4	0	0	0	0
Lima Twp	11	0	2	0	2
Lodi Twp	16	0	0	0	0
Lyndon Twp	7	0	1	0	2
Manchester Twp	11	0	0	0	0
Northfield Twp	18	0	1	0	1
Pittsfield Twp	243	0	5	0	5
Salem Twp	36	0	0	0	0
Saline Twp	4	0	0	0	0
Scio Twp	90	0	0	0	0
Sharon Twp	1	0	0	0	0
Superior Twp	59	0	0	0	0
Sylvan Twp	27	0	0	0	0
Webster Twp	0	0	0	0	0
York Twp	30	0	0	0	0
Ypsilanti Twp	299	1	8	1	9
TOTAL	915	1	20	1	24
WASHTENAW COUNTY	1,963	2	34	2	39

Crashes Involving Intersections

MAP 3: INTERSECTION CRASH LOCATIONS FOR WASHTENAW COUNTY (2020)

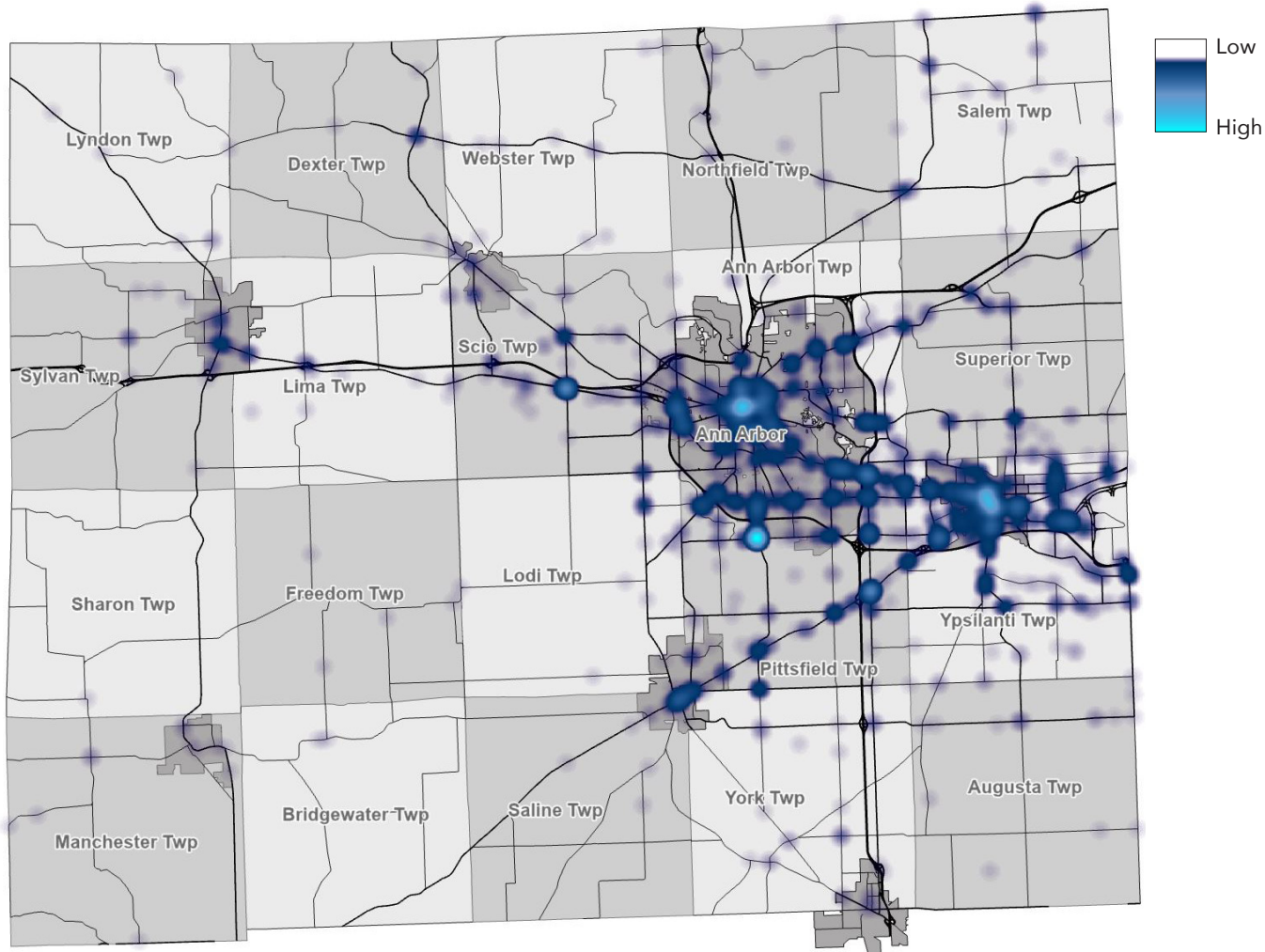


TABLE 10: HIGHEST FREQUENCY INTERSECTION CRASH LOCATIONS RANKED (2020)

RANK	LOCATION	COMMUNITY	CRASHES		
			CRASHES	FATAL CRASHES	SERIOUS INJURY CRASHES
1	S State St & W Ellsworth Rd	Ann Arbor	59	0	0
2	Carpenter Rd & W Michigan Ave	Pittsfield Twp	27	0	0
3	Jackson Rd & S Zeeb Rd	Scio Twp	24	0	0
4	Carpenter Rd & Hogback Rd & Washtenaw Ave	Pittsfield Twp	18	0	0
5	Carpenter Rd & E Ellsworth Rd	Pittsfield Twp	17	0	0
6	Hewitt Rd & W Michigan Ave	Ypsilanti Twp	15	0	0
7	Hamilton St & W Michigan Ave	Ypsilanti	15	0	0
8	Michigan Ave & Huron St	Ypsilanti	13	0	0
9	Golfside Dr & Washtenaw Ave	Pittsfield Twp	12	0	1
10	Carpenter Rd & Packard St	Pittsfield Twp	12	0	1

Crashes Involving Pedestrians



Crashes Involving Pedestrians

TABLE 11: TRAFFIC CRASHES INVOLVING PEDESTRIANS FOR WASHTENAW COUNTY (2016-2020 5-YR TREND)

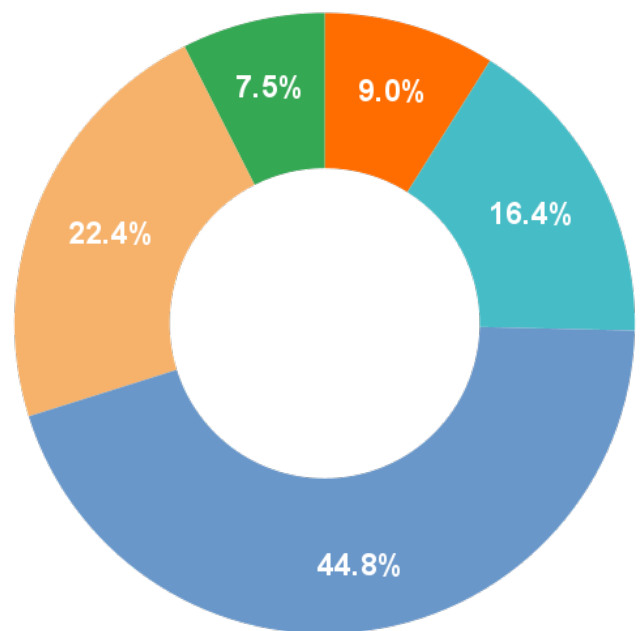
	2016	2017	2018	2019	2020	5-YR TREND
CRASHES	127	107	111	114	67	
FATAL CRASHES	8	6	3	2	6	
SERIOUS INJURY CRASHES	18	21	17	14	11	

92% of Crashes Involving Pedestrians Were Injury Crashes (2020)

Key Observations

- Crashes involving pedestrians decreased 41% from 114 crashes in 2019 to 67 crashes in 2020.
- 25% of crashes involving pedestrians were either fatal or serious injury crashes.
- Pedestrians were involved in 1% of all crashes, 26% of fatal crashes, and 9% of all serious injury crashes in Washtenaw County.
- Pedestrian related crashes occur most frequently in urban communities, such as the City of Ann Arbor, the City of Ypsilanti and Ypsilanti Township.

CHART 6: CRASHES INVOLVING PEDESTRIANS BY SEVERITY FOR WASHTENAW COUNTY (2020)



- Fatal Injury (K)
- Possible Injury (C)
- Serious Injury (A)
- No Injury (PDO)
- Minor Injury (B)

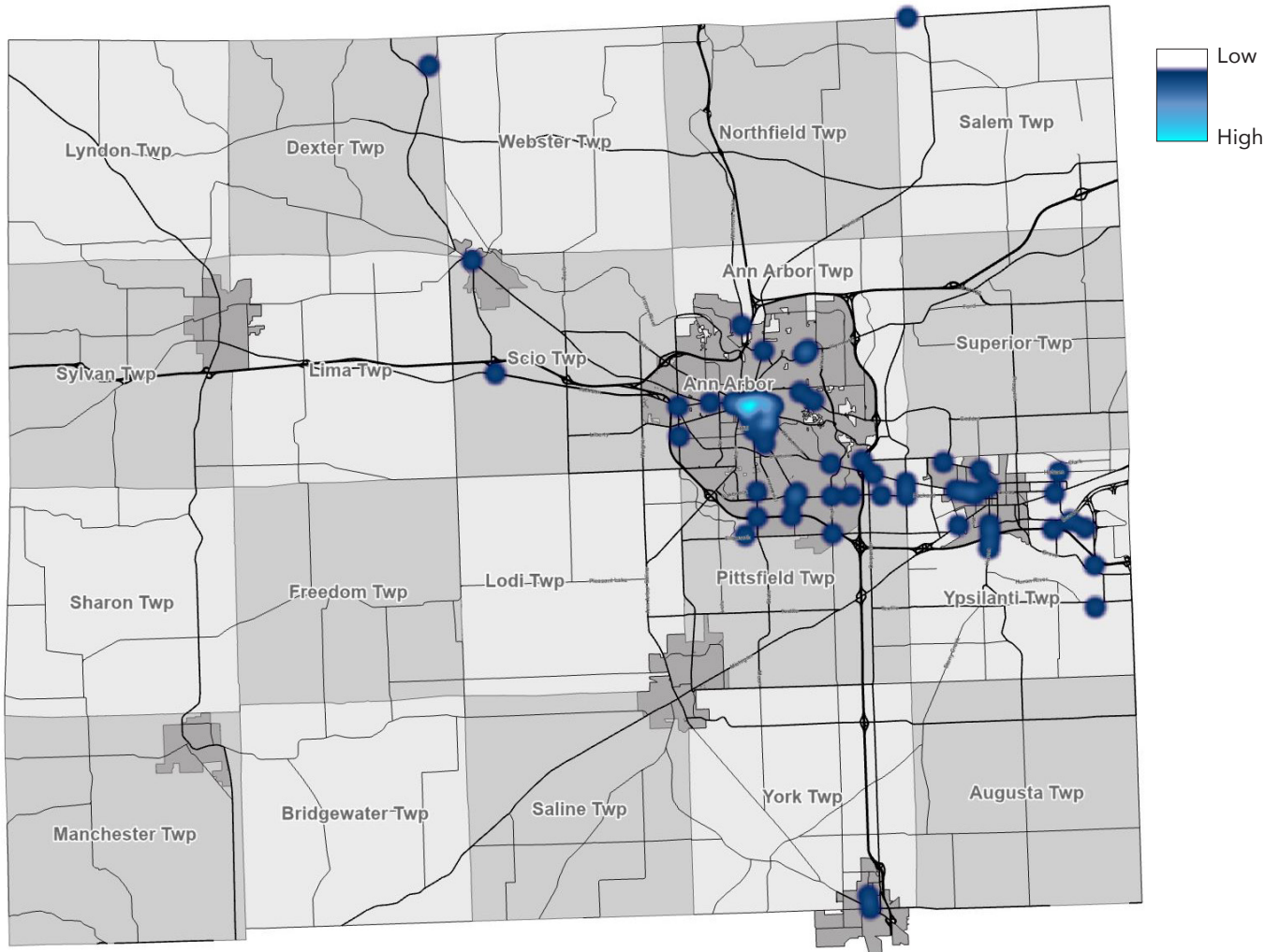
Crashes Involving Pedestrians

TABLE 12: TRAFFIC CRASHES INVOLVING PEDESTRIANS BY MUNICIPALITY (2020)

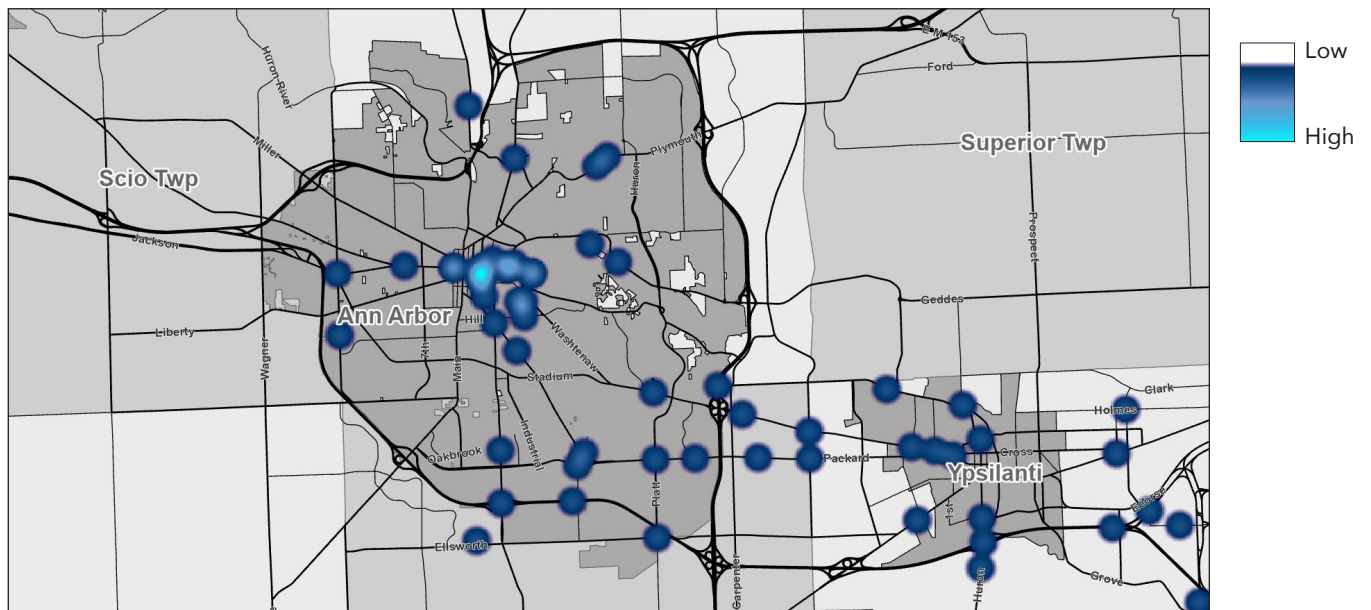
COMMUNITY	CRASHES			PERSONS	
	CRASHES	FATAL CRASHES	SERIOUS INJURY CRASHES	FATALITIES	SERIOUS INJURIES
CITIES AND VILLAGES					
Ann Arbor	37	2	7	2	7
Barton Hills	1	0	1	0	1
Chelsea	0	0	0	0	0
Dexter	1	0	0	0	0
Manchester	0	0	0	0	0
Milan	2	0	0	0	0
Saline	0	0	0	0	0
Ypsilanti	9	1	1	1	1
TOTAL	50	3	9	3	9
TOWNSHIPS					
Ann Arbor Twp	0	0	0	0	0
Augusta Twp	0	0	0	0	0
Bridgewater Twp	0	0	0	0	0
Dexter Twp	1	0	0	0	0
Freedom Twp	0	0	0	0	0
Lima Twp	0	0	0	0	0
Lodi Twp	0	0	0	0	0
Lyndon Twp	0	0	0	0	0
Manchester Twp	0	0	0	0	0
Northfield Twp	0	0	0	0	0
Pittsfield Twp	4	2	1	3	1
Salem Twp	1	0	0	0	0
Saline Twp	0	0	0	0	0
Scio Twp	1	0	0	0	0
Sharon Twp	0	0	0	0	0
Superior Twp	0	0	0	0	0
Sylvan Twp	0	0	0	0	0
Webster Twp	0	0	0	0	0
York Twp	0	0	0	0	0
Ypsilanti Twp	10	1	1	2	2
TOTAL	17	3	2	5	3
WASHTENAW COUNTY	67	6	11	8	12

Crashes Involving Pedestrians

MAP 4: PEDESTRIAN CRASH LOCATIONS FOR WASHTENAW COUNTY (2020)



MAP 5: URBAN AREA DETAIL FOR PEDESTRIAN CRASH LOCATIONS (2020)



Crashes Involving Bicyclists



Crashes Involving Bicyclists

TABLE 13: TRAFFIC CRASHES INVOLVING BICYCLISTS FOR WASHTENAW COUNTY (2016-2020 5-YR TREND)

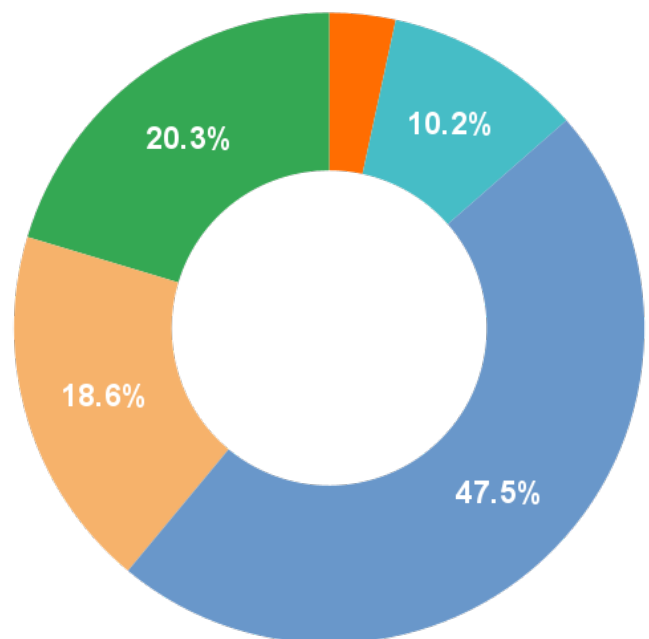
	2016	2017	2018	2019	2020	5-YR TREND
CRASHES	121	88	77	87	59	
FATAL CRASHES	2	1	2	0	2	
SERIOUS INJURY CRASHES	7	6	4	7	6	

79% of Crashes Involving Bicyclists Were Injury Crashes (2020)

Key Observations

- Crashes involving bicyclists were down 32%, from 87 crashes in 2019 to 59 crashes in 2020.
- The majority (47%) of crashes involving bicyclists were minor injury crashes. There were 6 serious injury crashes and 2 fatal crashes.
- Bicyclists were involved in 0.8% of all crashes and 5% of all serious injury crashes in Washtenaw County.
- The City of Ann Arbor and the City of Ypsilanti had the most crashes involving bicyclists.

CHART 7: CRASHES INVOLVING BICYCLISTS BY SEVERITY FOR WASHTENAW COUNTY (2020)



- Fatal Injury (K)
- Possible Injury (C)
- Serious Injury (A)
- No Injury (PDO)
- Minor Injury (B)

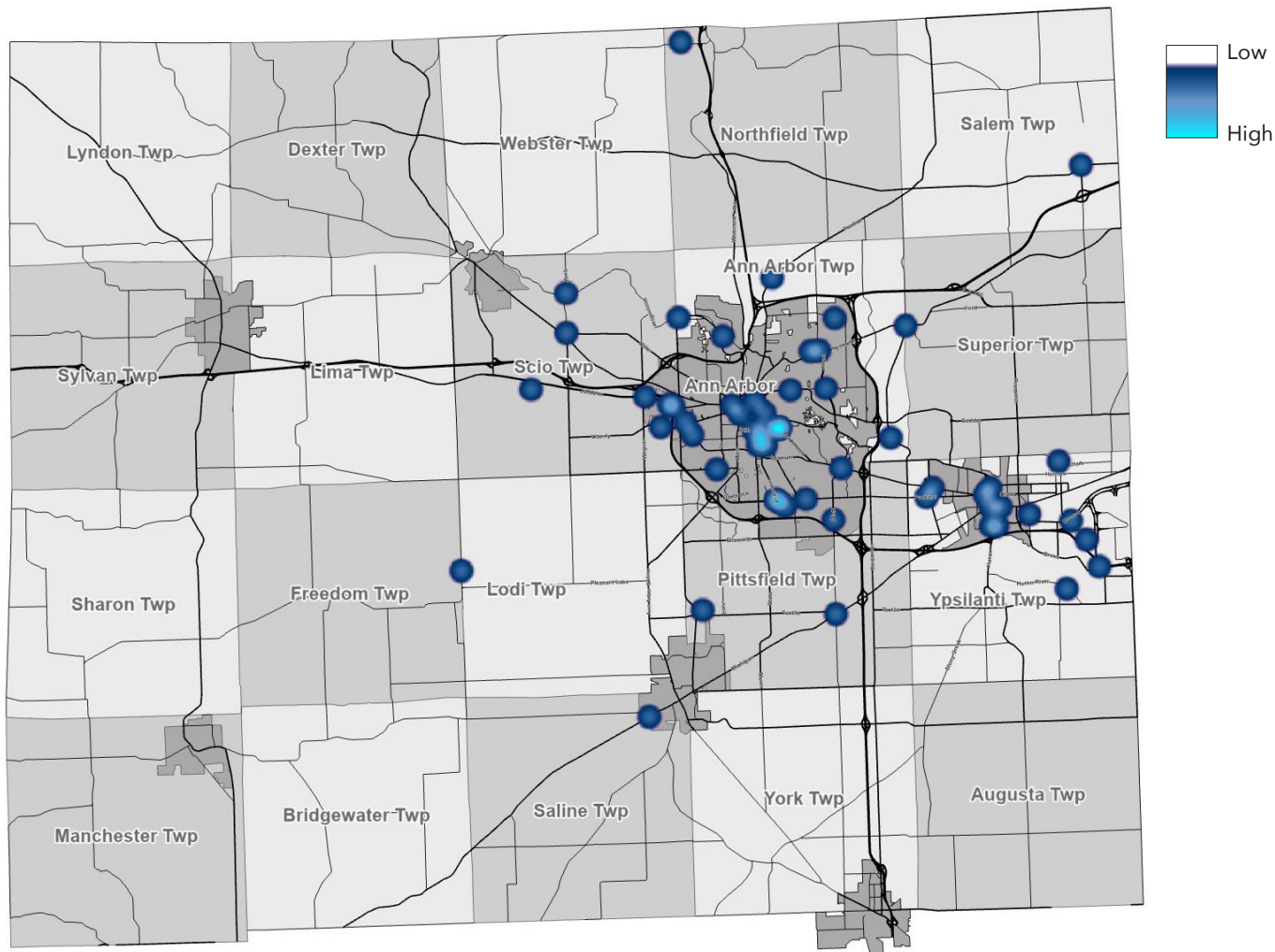
Crashes Involving Bicyclists

TABLE 14: TRAFFIC CRASHES INVOLVING BICYCLISTS BY MUNICIPALITY (2020)

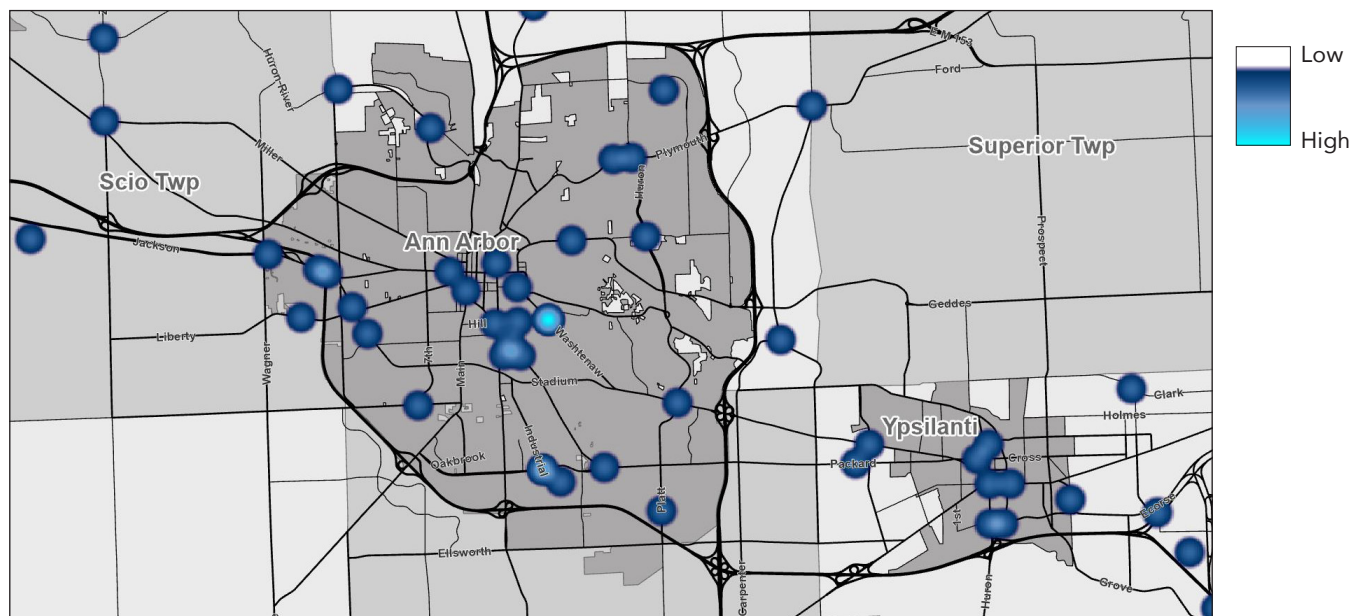
COMMUNITY	CRASHES			PERSONS	
	CRASHES	FATAL CRASHES	SERIOUS INJURY CRASHES	FATALITIES	SERIOUS INJURIES
CITIES AND VILLAGES					
Ann Arbor	31	0	3	0	3
Barton Hills	0	0	0	0	0
Chelsea	0	0	0	0	0
Dexter	0	0	0	0	0
Manchester	0	0	0	0	0
Milan	1	0	0	0	0
Saline	0	0	0	0	0
Ypsilanti	8	0	0	0	0
TOTAL	40	0	3	0	3
TOWNSHIPS					
Ann Arbor Twp	3	0	0	0	0
Augusta Twp	0	0	0	0	0
Bridgewater Twp	0	0	0	0	0
Dexter Twp	0	0	0	0	0
Freedom Twp	0	0	0	0	0
Lima Twp	0	0	0	0	0
Lodi Twp	1	0	0	0	0
Lyndon Twp	0	0	0	0	0
Manchester Twp	0	0	0	0	0
Northfield Twp	1	0	0	0	0
Pittsfield Twp	2	0	1	0	1
Salem Twp	1	0	0	0	0
Saline Twp	0	0	0	0	0
Scio Twp	4	0	0	0	0
Sharon Twp	0	0	0	0	0
Superior Twp	1	0	0	0	0
Sylvan Twp	0	0	0	0	0
Webster Twp	0	0	0	0	0
York Twp	0	0	0	0	0
Ypsilanti Twp	6	2	2	2	2
TOTAL	19	2	3	2	3
WASHTENAW COUNTY	59	2	6	2	6

Crashes Involving Bicyclists

MAP 6: CRASH LOCATIONS INVOLVING BICYCLISTS FOR WASHTENAW COUNTY (2020)



MAP 7: URBAN AREA DETAIL FOR CRASHES INVOLVING BICYCLISTS (2020)



Crashes Involving Alcohol

TABLE 15: TRAFFIC CRASHES INVOLVING ALCOHOL FOR WASHTENAW COUNTY (2016-2020 5-YR TREND)

	2016	2017	2018	2019	2020	5-YR TREND
CRASHES	329	341	281	307	270	
FATAL CRASHES	6	17	7	7	5	
SERIOUS INJURY CRASHES	19	25	32	24	23	

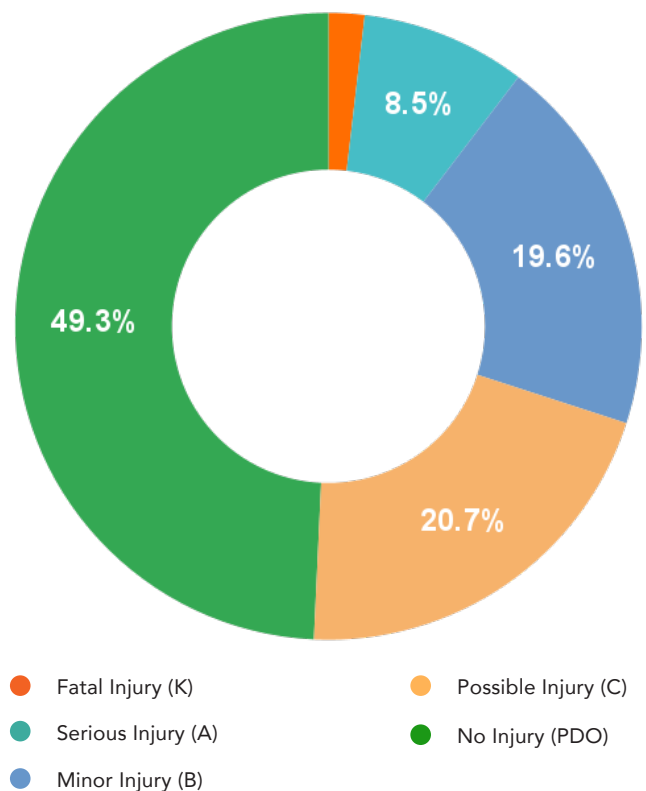
10% of All Injury Crashes Involved Alcohol (2020)

Responding officers indicate if drivers involved in crashes used or were suspected to have used alcohol. Includes alcohol use under the legal limit and at or over the legal limit.

Key Observations

- In 2020, 21% of all fatal crashes involved alcohol and 19% of all serious injury crashes involved alcohol.
- The number of crashes involving alcohol decreased 12% from 307 in 2019 to 270 in 2020.
- 20% of all crashes involving alcohol occurred in the City of Ann Arbor and 18% occurred in Ypsilanti Township.

CHART 8: CRASHES INVOLVING ALCOHOL BY SEVERITY FOR WASHTENAW COUNTY (2020)



Crashes Involving Alcohol

TABLE 16: TRAFFIC CRASHES INVOLVING ALCOHOL BY MUNICIPALITY (2020)

COMMUNITY	CRASHES			PERSONS	
	CRASHES	FATAL CRASHES	SERIOUS INJURY CRASHES	FATALITIES	SERIOUS INJURIES
CITIES AND VILLAGES					
Ann Arbor	54	0	6	0	6
Barton Hills	0	0	0	0	0
Chelsea	8	0	0	0	0
Dexter	0	0	0	0	0
Manchester	0	0	0	0	0
Milan	0	0	0	0	0
Saline	4	0	0	0	0
Ypsilanti	32	0	2	0	2
TOTAL	98	0	8	0	8
TOWNSHIPS					
Ann Arbor Twp	10	0	0	0	0
Augusta Twp	3	0	1	0	1
Bridgewater Twp	1	0	0	0	0
Dexter Twp	2	0	1	0	1
Freedom Twp	3	1	0	2	0
Lima Twp	13	0	2	0	2
Lodi Twp	33	0	0	0	0
Lyndon Twp	4	0	0	0	0
Manchester Twp	0	0	0	0	0
Northfield Twp	2	1	0	1	0
Pittsfield Twp	9	2	1	2	1
Salem Twp	0	0	1	0	1
Saline Twp	1	0	0	0	0
Scio Twp	8	0	0	0	0
Sharon Twp	1	0	0	0	0
Superior Twp	5	0	2	0	3
Sylvan Twp	8	0	1	0	1
Webster Twp	5	0	2	0	3
York Twp	13	0	0	0	0
Ypsilanti Twp	51	1	4	2	5
TOTAL	172	5	15	7	18
WASHTENAW COUNTY	270	5	23	7	26

Crashes Involving Drugs

TABLE 17: TRAFFIC CRASHES INVOLVING DRUGS FOR WASHTENAW COUNTY (2016-2020 5-YR TREND)

	2016	2017	2018	2019	2020	5-YR TREND
CRASHES	103	114	82	115	114	
FATAL CRASHES	5	15	5	4	11	
SERIOUS INJURY CRASHES	11	16	8	13	7	

* Michigan voted to legalize recreational marijuana use in late 2018.

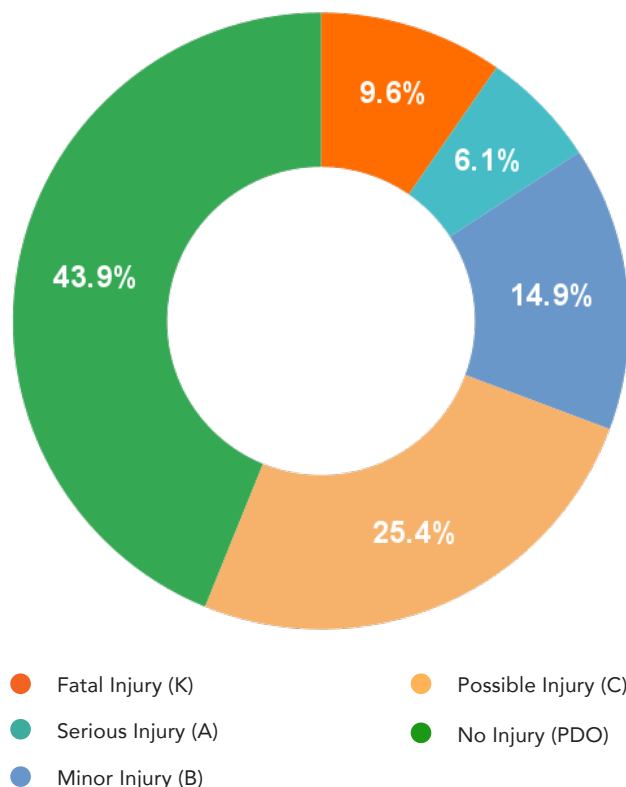
56% of All Crashes Involving Drugs Were Injury Crashes (2020)

Responding officers indicate if drivers involved in crashes used or were suspected to have used drugs.

Key Observations

- There were 114 crashes involving drugs in 2020, down less than 1% from 115 crashes in 2019, and up 7% from the previous five year average.
- In 2020, crashes involving drugs accounted for 1% of all crashes, 47% of fatal crashes, and 6% of serious injury crashes in Washtenaw County.
- 15% of crashes involving drugs were fatal or serious injury crashes.

CHART 9: CRASHES INVOLVING DRUGS BY SEVERITY FOR WASHTENAW COUNTY (2020)



Crashes Involving Drugs

TABLE 18: TRAFFIC CRASHES INVOLVING DRUGS BY MUNICIPALITY (2020)

COMMUNITY	CRASHES			PERSONS	
	CRASHES	FATAL CRASHES	SERIOUS INJURY CRASHES	FATALITIES	SERIOUS INJURIES
CITIES AND VILLAGES					
Ann Arbor	16	1	0	1	0
Barton Hills	0	0	0	0	0
Chelsea	1	0	0	0	0
Dexter	0	0	0	0	0
Manchester	0	0	0	0	0
Milan	0	0	0	0	0
Saline	2	0	0	0	0
Ypsilanti	20	1	1	1	1
TOTAL	39	2	1	2	1
TOWNSHIPS					
Ann Arbor Twp	3	1	0	1	0
Augusta Twp	2	0	0	0	0
Bridgewater Twp	0	0	0	0	0
Dexter Twp	1	0	1	0	1
Freedom Twp	1	1	0	2	0
Lima Twp	1	0	0	0	0
Lodi Twp	0	0	0	0	0
Lyndon Twp	1	0	0	0	0
Manchester Twp	0	0	0	0	0
Northfield Twp	6	1	0	1	0
Pittsfield Twp	13	3	1	4	1
Salem Twp	0	0	0	0	0
Saline Twp	0	0	0	0	0
Scio Twp	5	0	0	0	0
Sharon Twp	0	0	0	0	0
Superior Twp	4	0	1	0	2
Sylvan Twp	2	0	1	0	1
Webster Twp	0	0	0	0	0
York Twp	5	0	0	0	0
Ypsilanti Twp	31	3	2	4	2
TOTAL	75	9	6	12	7
WASHTENAW COUNTY	114	11	7	14	8

Crashes Involving Deer

There were 1,068 crashes involving deer in 2020. Of the deer crashes, 1,053 were single motor vehicle crashes, which accounts for 41% of all single-vehicle crashes.

TABLE 19: TRAFFIC CRASHES INVOLVING DEER FOR WASHTENAW COUNTY (2016-2020 5-YR TREND)

	2016	2017	2018	2019	2020	5-YR TREND
CRASHES	961	962	1,003	1,106	1,068	
FATAL CRASHES	0	1	0	0	0	
SERIOUS INJURY CRASHES	0	2	1	2	3	

41% of Single Motor Vehicle Crashes Involved Deer (2020)



Crashes Involving Deer

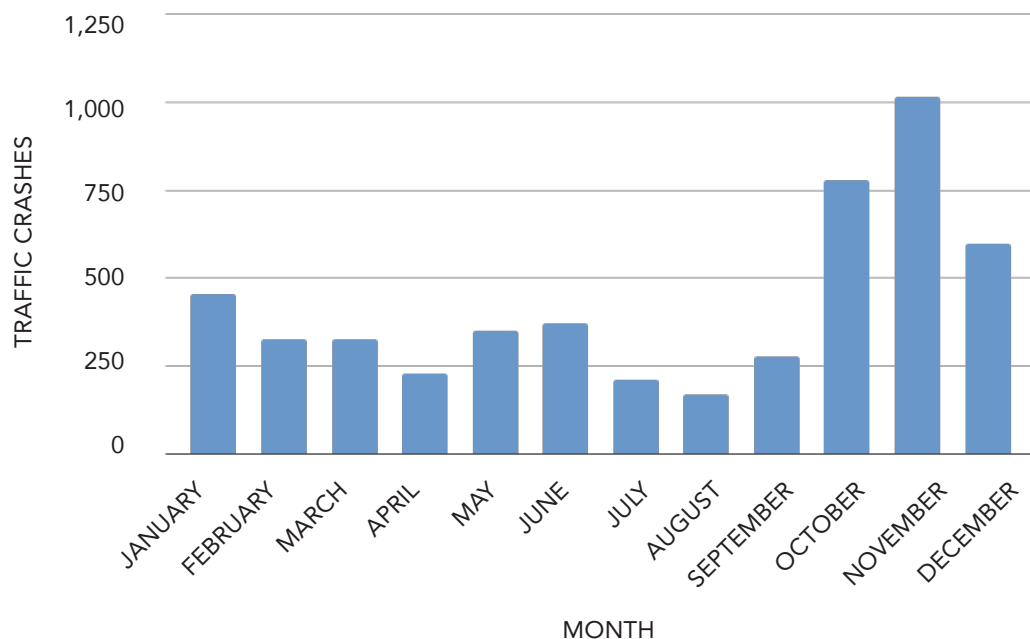
TABLE 20: TRAFFIC CRASHES INVOLVING DEER BY MUNICIPALITY (2020)

COMMUNITY	CRASHES			PERSONS	
	CRASHES	FATAL CRASHES	SERIOUS INJURY CRASHES	FATALITIES	SERIOUS INJURIES
CITIES AND VILLAGES					
Ann Arbor	45	0	0	0	0
Barton Hills	1	0	0	0	0
Chelsea	22	0	0	0	0
Dexter	4	0	0	0	0
Manchester	3	0	0	0	0
Milan	0	0	0	0	0
Saline	14	0	0	0	0
Ypsilanti	8	0	0	0	0
TOTAL	97	0	0	0	0
TOWNSHIPS					
Ann Arbor Twp	80	0	0	0	0
Augusta Twp	11	0	0	0	0
Bridgewater Twp	37	0	0	0	0
Dexter Twp	47	0	1	0	1
Freedom Twp	15	0	0	0	0
Lima Twp	39	0	0	0	0
Lodi Twp	33	0	0	0	0
Lyndon Twp	36	0	0	0	0
Manchester Twp	33	0	0	0	0
Northfield Twp	62	0	0	0	0
Pittsfield Twp	61	0	0	0	0
Salem Twp	53	0	0	0	0
Saline Twp	26	0	0	0	0
Scio Twp	110	0	1	0	1
Sharon Twp	33	0	1	0	1
Superior Twp	113	0	0	0	0
Sylvan Twp	52	0	0	0	0
Webster Twp	51	0	0	0	0
York Twp	43	0	0	0	0
Ypsilanti Twp	36	0	0	0	0
TOTAL	971	0	3	0	3
WASHTENAW COUNTY	1,068	0	3	0	3

Crashes Involving Deer

The distribution of deer crashes does not occur evenly throughout the year. The frequency of deer crashes rises significantly during the fall months and at dawn and dusk hours.

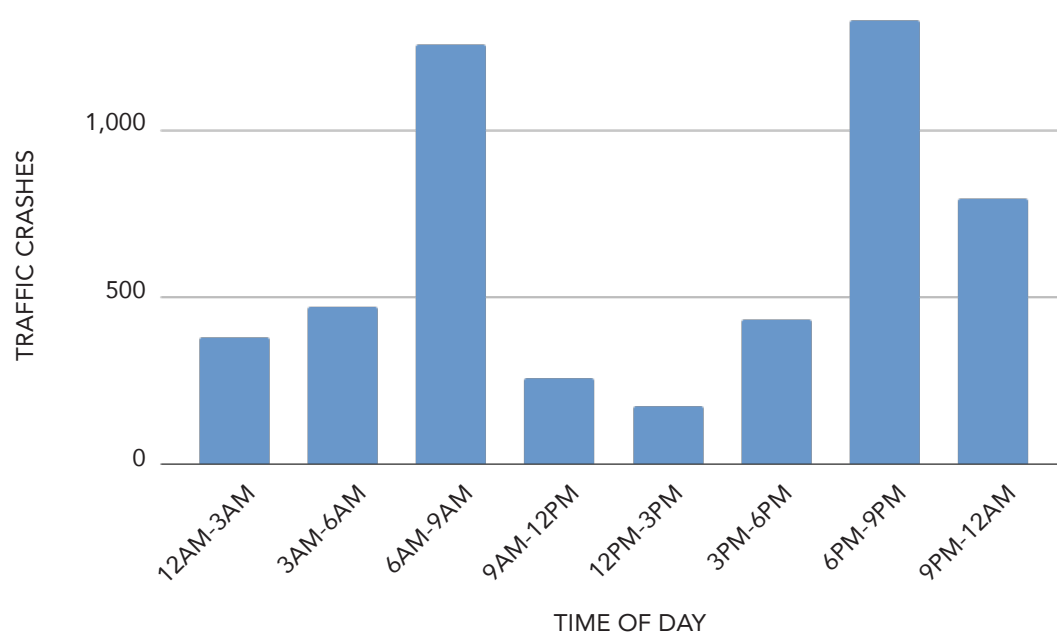
CHART 10: TRAFFIC CRASHES INVOLVING DEER BY MONTH FOR WASHTENAW COUNTY (2016-2020)



More than 35% of annual deer crashes occurred during the months of October and November.

20% of Deer Crashes Occured in November (2016-2020)

CHART 11: TRAFFIC CRASHES INVOLVING DEER BY TIME OF DAY FOR WASHTENAW COUNTY (2016-2020)



More than 50% of annual deer crashes occurred during the times of 6-9am and 6-9pm.

Crashes Involving Speeding Too Fast

TABLE 21: TRAFFIC CRASHES INVOLVING SPEEDING TOO FAST FOR WASHTENAW COUNTY (2016-2020 5-YR TREND)

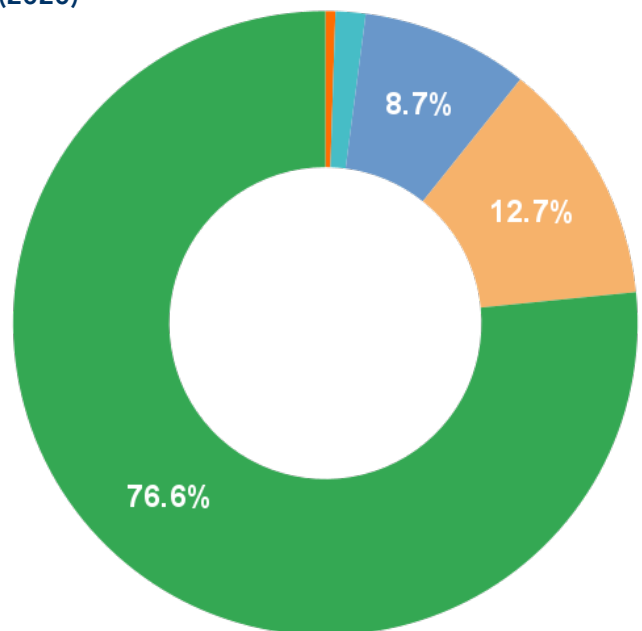
	2016	2017	2018	2019	2020	5-YR TREND
CRASHES	1,003	1,133	1,141	1,183	776	
FATAL CRASHES	4	5	2	5	4	
SERIOUS INJURY CRASHES	22	17	16	22	12	

17% of Fatal Crashes Involved Speeding Too Fast (2020)

Key Observations

- In 2020, crashes involving speeding too fast were down 25% from from the previous five year average.
- In 2020, fatal and serious injury crashes involving speeding too fast decreased 40% from 27 in 2019 to 16 in 2020.
- Speeding too fast was involved in 10% of all crashes, 17% of all fatal crashes, and 10% of all serious injury crashes in Washtenaw County.
- The City of Ann Arbor, Pittsfield Township, Ann Arbor Township, and Ypsilanti Township had the most crashes involving speeding too fast.

CHART 12: CRASHES INVOLVING SPEEDING TOO FAST BY SEVERITY FOR WASHTENAW COUNTY (2020)



- Fatal Injury (K)
- Possible Injury (C)
- Serious Injury (A)
- No Injury (PDO)
- Minor Injury (B)

Crashes Involving Speeding Too Fast

TABLE 22: TRAFFIC CRASHES INVOLVING SPEEDING TOO FAST BY MUNICIPALITY (2020)

COMMUNITY	CRASHES			PERSONS	
	CRASHES	FATAL CRASHES	SERIOUS INJURY CRASHES	FATALITIES	SERIOUS INJURIES
CITIES AND VILLAGES					
Ann Arbor	158	1	2	1	2
Barton Hills	1	0	0	0	0
Chelsea	6	0	0	0	0
Dexter	2	0	0	0	0
Manchester	0	0	0	0	0
Milan	1	0	0	0	0
Saline	1	0	0	0	0
Ypsilanti	27	0	1	0	1
TOTAL	196	1	3	1	3
TOWNSHIPS					
Ann Arbor Twp	69	0	0	0	0
Augusta Twp	13	0	0	0	0
Bridgewater Twp	9	0	0	0	0
Dexter Twp	11	0	0	0	0
Freedom Twp	2	1	0	2	0
Lima Twp	17	0	1	0	1
Lodi Twp	11	0	0	0	0
Lyndon Twp	12	0	1	0	1
Manchester Twp	8	0	0	0	0
Northfield Twp	35	1	1	1	1
Pittsfield Twp	93	0	0	0	0
Salem Twp	25	1	0	1	0
Saline Twp	10	0	0	0	0
Scio Twp	46	0	1	0	1
Sharon Twp	5	0	0	0	0
Superior Twp	43	0	0	0	0
Sylvan Twp	32	0	0	0	0
Webster Twp	17	0	2	0	2
York Twp	36	0	1	0	1
Ypsilanti Twp	86	0	2	0	3
TOTAL	580	3	9	4	10
WASHTENAW COUNTY	776	4	12	5	13

Crashes Involving Older Drivers

TABLE 23: TRAFFIC CRASHES INVOLVING OLDER DRIVERS FOR WASHTENAW COUNTY (2016-2020 5-YR TREND)

	2016	2017	2018	2019	2020	5-YR TREND
CRASHES	1,707	1,723	1,747	1,923	1,080	
FATAL CRASHES	4	10	6	8	4	
SERIOUS INJURY CRASHES	17	24	31	26	16	

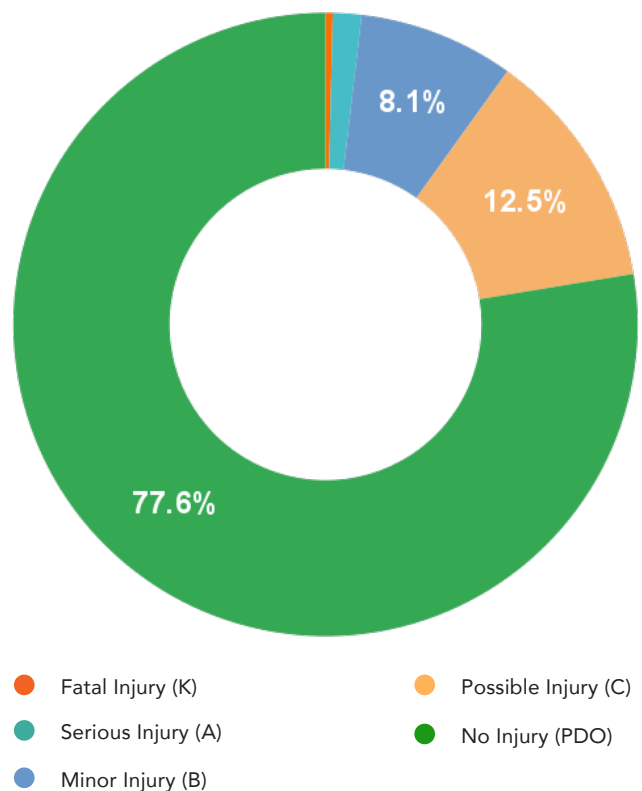
17% of Fatal Crashes Involved Older Drivers (2020)

Crashes involving older drivers are defined as those with drivers age 65 and older. As Washtenaw County’s population continues to age, more drivers are expected to be included in the Older Drivers category than ever before, and the share of crashes involving older drivers is also likely to increase.

Key Observations

- Crashes involving older drivers were down 43% from 1,923 in 2019 to 1,080 in 2020.
- The number of fatal and serious injury crashes involving older drivers declined 41% from 34 in 2019 to 20 in 2020.
- In 2020, crashes involving older drivers represented 15% of all crashes, 17% of all fatal crashes, and 13% of all serious injury crashes in Washtenaw County.

CHART 13: CRASHES INVOLVING OLDER DRIVERS BY SEVERITY FOR WASHTENAW COUNTY (2020)



Crashes Involving Older Drivers

TABLE 24: TRAFFIC CRASHES INVOLVING OLDER DRIVERS BY MUNICIPALITY (2020)

COMMUNITY	CRASHES			PERSONS	
	CRASHES	FATAL CRASHES	SERIOUS INJURY CRASHES	FATALITIES	SERIOUS INJURIES
CITIES AND VILLAGES					
Ann Arbor	287	1	2	1	2
Barton Hills	1	0	0	0	0
Chelsea	24	0	1	0	2
Dexter	8	0	0	0	0
Manchester	3	0	0	0	0
Milan	8	0	0	0	0
Saline	30	0	0	0	0
Ypsilanti	83	0	1	0	1
TOTAL	444	1	4	1	5
TOWNSHIPS					
Ann Arbor Twp	33	1	0	1	0
Augusta Twp	11	0	1	0	3
Bridgewater Twp	7	0	0	0	0
Dexter Twp	14	0	2	0	2
Freedom Twp	4	0	0	0	0
Lima Twp	17	0	1	0	1
Lodi Twp	12	0	0	0	0
Lyndon Twp	7	0	0	0	0
Manchester Twp	10	0	0	0	0
Northfield Twp	20	0	0	0	0
Pittsfield Twp	150	0	4	0	4
Salem Twp	19	0	1	0	1
Saline Twp	10	0	0	0	0
Scio Twp	79	1	0	1	0
Sharon Twp	5	0	0	0	0
Superior Twp	35	0	0	0	0
Sylvan Twp	16	0	0	0	0
Webster Twp	19	0	1	0	1
York Twp	22	1	1	1	2
Ypsilanti Twp	146	0	1	0	1
TOTAL	636	3	12	3	15
WASHTENAW COUNTY	1,080	4	16	4	20

Crashes Involving Young Drivers

TABLE 25: TRAFFIC CRASHES INVOLVING YOUNG DRIVERS FOR WASHTENAW COUNTY (2016-2020 5-YR TREND)

	2016	2017	2018	2019	2020	5-YR TREND
CRASHES	4,368	4,164	3,831	3,816	2,299	
FATAL CRASHES	5	12	5	6	5	
SERIOUS INJURY CRASHES	48	59	46	36	39	

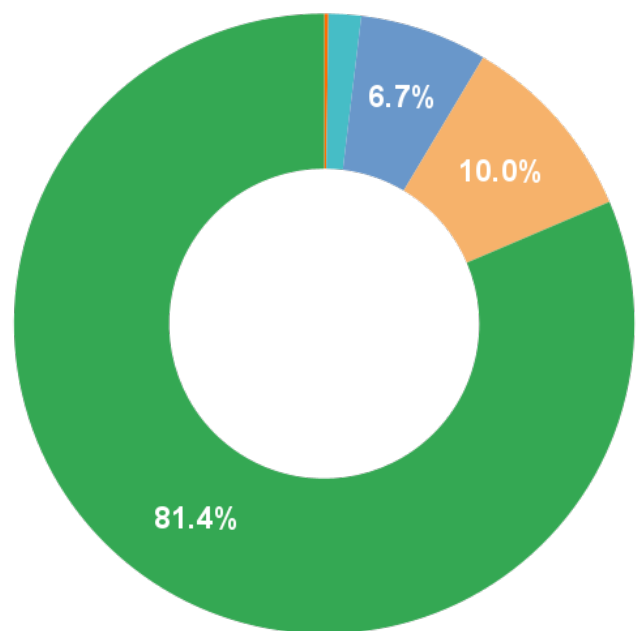
32% of Crashes Involved Young Drivers (2020)

Crashes involving young drivers are defined as those with drivers age 16-24 years old. As the number of people age 15-24 in Washtenaw County is expected to decline over the next 25 years, the share of crashes involving young drivers is also likely to drop.

Key Observations

- In 2020, crashes involving young drivers were down 37% from the previous five year average.
- Although the number of crashes declined, the number of fatal and serious injury crashes involving young drivers increased 4% from 42 in 2019 to 44 in 2020.
- In 2020, crashes involving young drivers represented 32% of all crashes, 21% of all fatal crashes, and 33% of all serious injury crashes in Washtenaw County.

CHART 14: CRASHES INVOLVING YOUNG DRIVERS BY SEVERITY FOR WASHTENAW COUNTY (2020)



- Fatal Injury (K)
- Possible Injury (C)
- Serious Injury (A)
- No Injury (PDO)
- Minor Injury (B)

Crashes Involving Young Drivers

TABLE 26: TRAFFIC CRASHES INVOLVING YOUNG DRIVERS BY MUNICIPALITY (2020)

COMMUNITY	CRASHES			PERSONS	
	CRASHES	FATAL CRASHES	SERIOUS INJURY CRASHES	FATALITIES	SERIOUS INJURIES
CITIES AND VILLAGES					
Ann Arbor	661	2	8	2	8
Barton Hills	1	0	0	0	0
Chelsea	29	0	0	0	0
Dexter	19	0	0	0	0
Manchester	1	0	0	0	0
Milan	11	0	0	0	0
Saline	51	0	0	0	0
Ypsilanti	246	2	2	2	2
TOTAL	1,019	4	10	4	10
TOWNSHIPS					
Ann Arbor Twp	99	0	1	0	2
Augusta Twp	21	0	1	0	1
Bridgewater Twp	12	0	0	0	0
Dexter Twp	27	0	2	0	2
Freedom Twp	8	0	0	0	0
Lima Twp	31	0	5	0	5
Lodi Twp	16	0	0	0	0
Lyndon Twp	13	0	1	0	2
Manchester Twp	9	0	0	0	0
Northfield Twp	38	0	2	0	2
Pittsfield Twp	303	0	4	0	5
Salem Twp	42	0	1	0	2
Saline Twp	12	0	0	0	0
Scio Twp	109	0	0	0	0
Sharon Twp	13	0	0	0	0
Superior Twp	82	0	3	0	5
Sylvan Twp	44	0	0	0	0
Webster Twp	43	0	2	0	3
York Twp	43	0	1	0	1
Ypsilanti Twp	315	1	6	1	6
TOTAL	1,280	1	29	1	36
WASHTENAW COUNTY	2,299	5	39	5	46

Vehicle Types

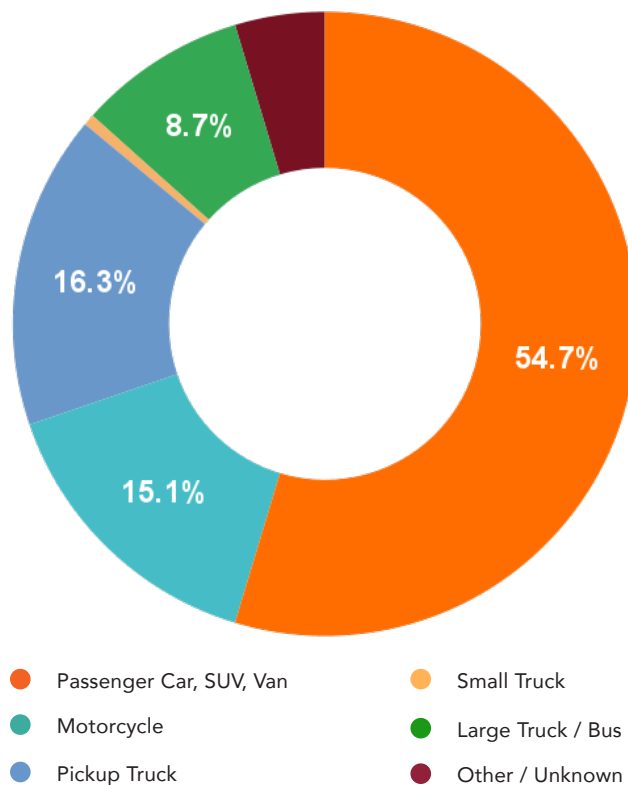
TABLE 27: TRAFFIC CRASHES AND VEHICLE TYPE FOR WASHTENAW COUNTY (2016-2020 5-YR TREND)

	2016	2017	2018	2019	2020	5-YR TREND
PASSENGER CAR, SUV, VAN	10,906	10,709	10,399	10,642	6,638	
MOTORCYCLE	97	91	70	100	78	
PICKUP TRUCK	1,611	1,486	1,460	1,421	888	
SMALL TRUCK	189	111	93	67	44	
LARGE TRUCK/BUS	573	638	669	687	444	
OTHER / UNKNOWN	565	470	435	485	394	

66% of Motorcyclists Involved in Crashes Were Injured (2020)

Vehicles are reported as unknown when the second vehicle in a crash is likely a hit and run. Note there are more total vehicles than crashes.

CHART 15: FATALITIES AND SERIOUS INJURIES BY VEHICLE TYPE FOR WASHTENAW COUNTY (2020)



Key Observations

- Passenger cars, SUVs, and vans represent the majority (92%) of vehicles involved in crashes and the majority (78%) of fatal and serious injury crashes in Washtenaw County.
- In 2020, there were 78 motorcycle crashes in Washtenaw County, with 1 fatalities and 25 serious injuries.
- Motorcycle crashes make up only 1% of total crashes but were involved in 16% of fatal and serious injury crashes.

Vehicle Types

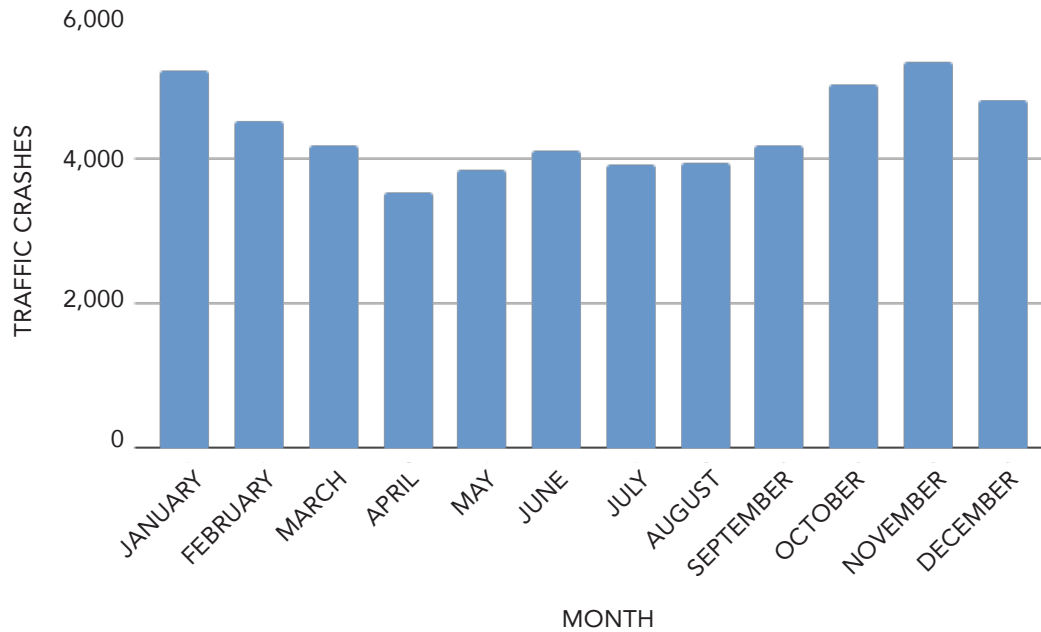
TABLE 28: TRAFFIC CRASHES AND VEHICLE TYPE BY MUNICIPALITY (2020)

COMMUNITY	PASSENGER CAR, SUV, VAN	MOTORCYCLE	PICKUP TRUCK	SMALL TRUCK	LARGE TRUCK/BUS	OTHER / UNKNOWN
CITIES AND VILLAGES						
Ann Arbor	1,730	11	127	16	140	125
Barton Hills	5	0	1	0	0	1
Chelsea	85	0	23	2	8	1
Dexter	37	0	9	2	3	1
Manchester	10	0	2	0	1	1
Milan	28	0	11	0	3	5
Saline	127	0	30	0	5	3
Ypsilanti	639	5	63	4	26	49
TOTAL	2,661	16	266	24	186	186
TOWNSHIPS						
Ann Arbor Twp	314	2	30	4	36	17
Augusta Twp	61	2	17	0	4	3
Bridgewater Twp	47	0	13	0	1	3
Dexter Twp	75	5	20	1	2	2
Freedom Twp	23	0	5	0	1	1
Lima Twp	92	1	16	1	11	3
Lodi Twp	66	0	14	1	1	2
Lyndon Twp	62	0	11	0	3	0
Manchester Twp	54	3	7	0	3	1
Northfield Twp	149	4	34	0	12	6
Pittsfield Twp	838	9	103	3	54	34
Salem Twp	140	3	34	0	6	6
Saline Twp	46	0	9	1	3	2
Scio Twp	377	4	60	2	28	18
Sharon Twp	42	3	10	0	2	1
Superior Twp	288	2	26	1	7	12
Sylvan Twp	137	3	22	0	13	6
Webster Twp	97	2	33	0	3	7
York Twp	152	2	34	1	15	5
Ypsilanti Twp	917	16	124	5	53	79
TOTAL	3,977	61	622	20	258	208
WASHTENAW COUNTY	6,638	77	888	44	444	394

Temporal Variation in Crash Frequency

The distribution of traffic crashes does not occur evenly throughout the year. The frequency of crashes increases in winter months and declines during spring and summer months. Crashes also rise significantly on weekdays and during peak travel times.

CHART 16: TRAFFIC CRASHES BY MONTH FOR WASHTENAW COUNTY (2016-2020)

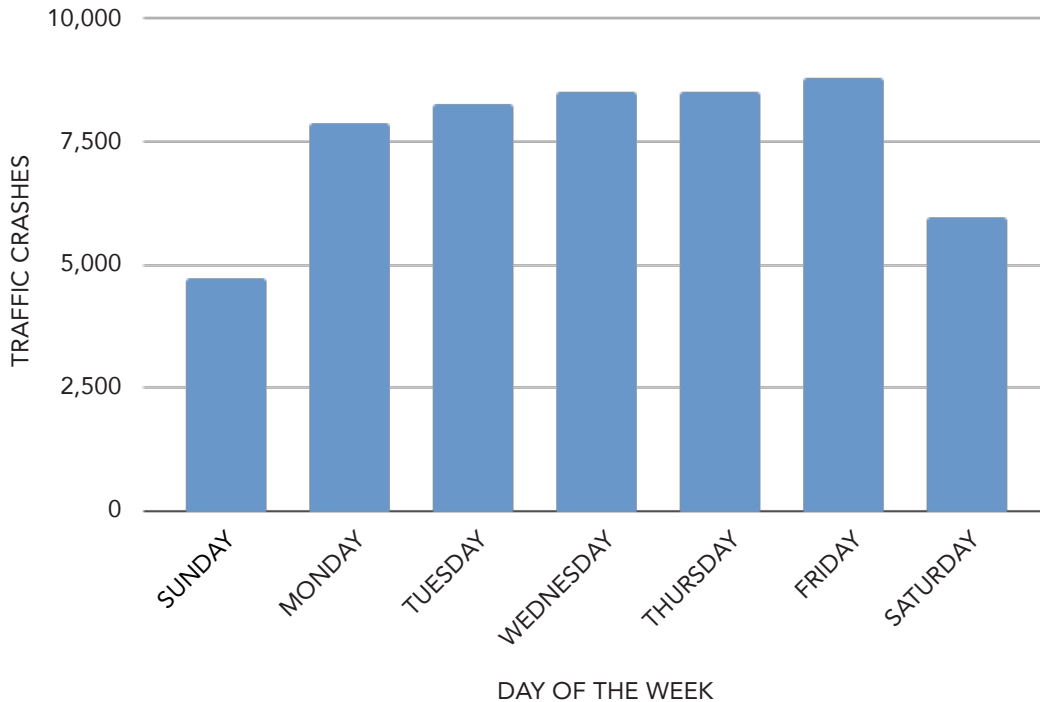


Total crashes increased from October to January and declined April through August. The majority of fatal crashes occurred in the month of August.



Temporal Variation in Crash Frequency

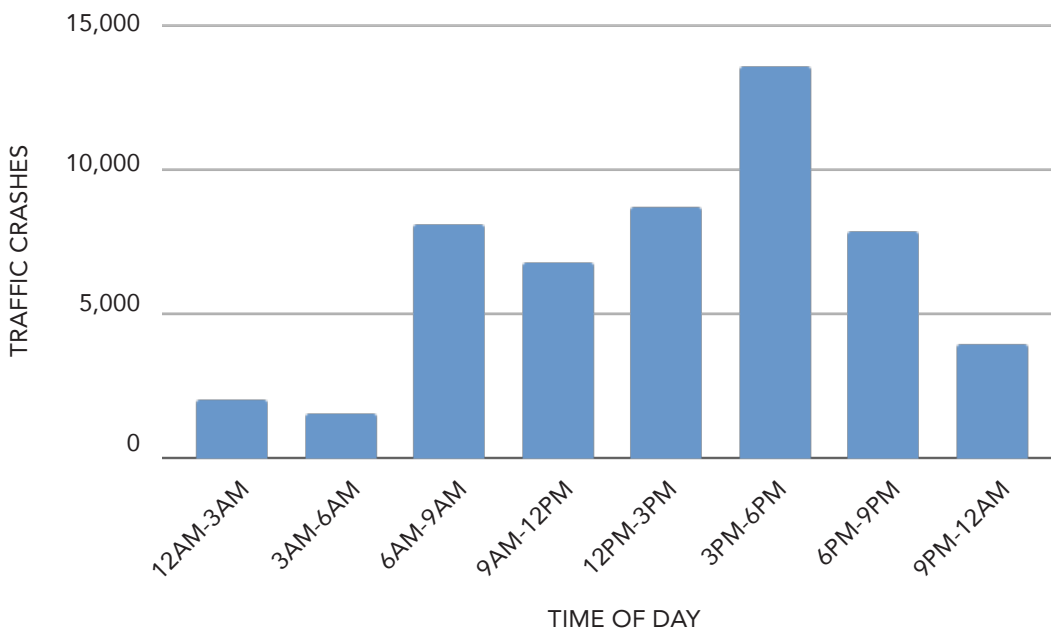
CHART 17: TRAFFIC CRASHES BY DAY OF THE WEEK FOR WASHTENAW COUNTY (2016-2020)



Total crashes increase during weekdays when more vehicles are on the road.

25% of All Crashes Occured Between 3PM-6PM (2016-2020)

CHART 18: TRAFFIC CRASHES BY TIME OF DAY FOR WASHTENAW COUNTY (2016-2020)



Total crashes increase significantly during the evening peak travel times between 3-6pm.

Additional Resources

This report offers only aggregate data themed by agency, community, crash type, or other factors, but users can request more detailed information. Two primary resources used for this report are:

- For information on specific crash factors or locations, refer to the Crash Facts website at <http://www.michigantrafficcrashfacts.org/>. Use the Data Query tool for maps and crash reports. This website has crash information for every municipality and county in Michigan.
- SEMCOG maintains a searchable database of crashes in Southeastern Michigan with location and factor data at <http://www.semco.org/Data/Apps/crash.cfm>.

WATS provides assistance obtaining crash data upon request. Please contact Emily Lake, Associate Transportation Planner, at lakee@miwats.org or (734) 994-3127. Users may send written requests to the WATS office at 200 N. Main, Ann Arbor, MI 48104 or wats@miwats.org.

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