



2019 Traffic Crash Report & 2015-2019 5-Year Crash Trends for Washtenaw County



WASHTENAW
AREA
TRANSPORTATION
STUDY

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

2019 Traffic Crash Report & 2015-2019 5-Year Crash Trends

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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 2019 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.

11,353 crashes in 2019, an increase of 3% from 2018



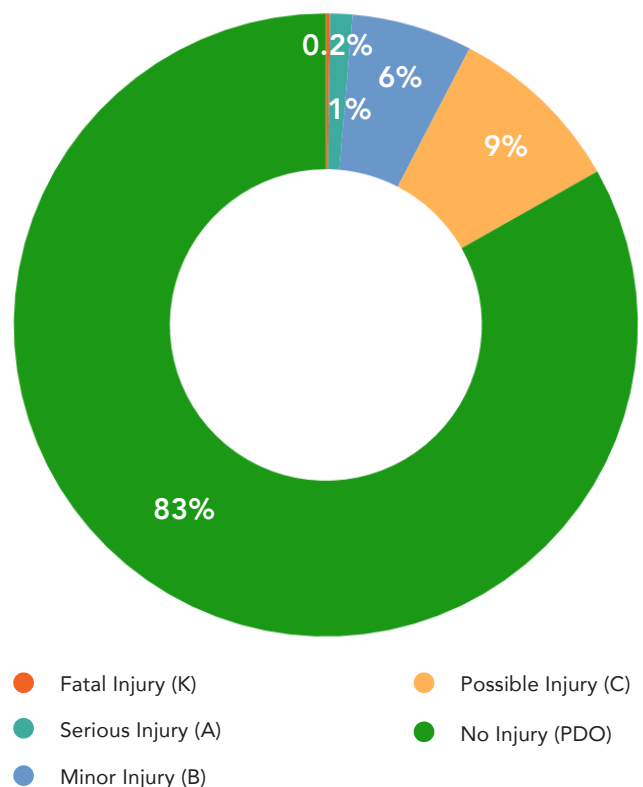
General Trends

Washtenaw County (including the Monroe County portion of the City of Milan) recorded 11,353 crashes in 2019, an increase of 3% from 11,006 in 2018.

While the overall number of reported crashes increased, the severe crash rate, shown in Table 1, decreased 3% from 4.05 to 3.92. The severe crash rate is also 2.5% lower in 2019 than the prior five year average.




Chart 1 shows the distribution of crash severity throughout reported crashes. In Washtenaw County, 83% of the 11,353 reported crashes involved property damage without injuries, 15% involved minor or possible injuries, and 1.2%, or 155 crashes, involved serious or fatal injuries.

CHART 1: CRASH SEVERITY FOR WASHTENAW COUNTY (2019)



Executive Summary

TABLE 1: SEVERE CRASH RATE FOR WASHTENAW COUNTY (2015-2019 5-YR TREND)

	2015	2016	2017	2018	2019	5-YR TREND
FATAL & SERIOUS INJURY CRASHES	126	152	184	164	155	
ANNUAL VMT (M)	39.27760	36.74410	38.44342	40.49252	39.46184	
SEVERE CRASH RATE	3.21	4.14	4.79	4.05	3.92	

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 3.92 in 2019, a decreased of 3% from 2018

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>.

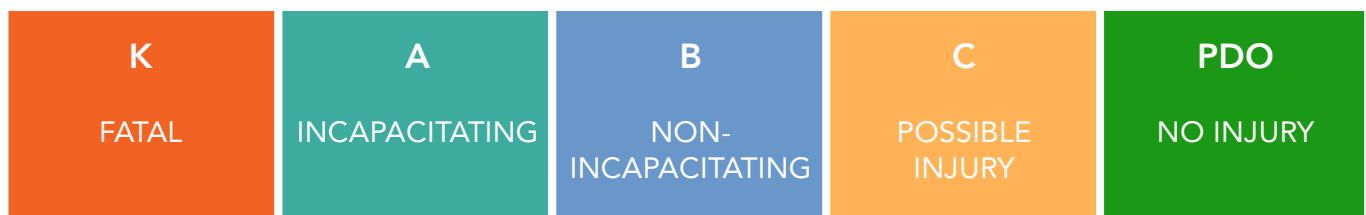
Crash Severity

There were 11,353 total reported crashes in 2019, up 3% from 2018. Traffic fatalities decreased slightly from 25 in 2018 to 24 in 2019. Serious injury crashes decreased 5% from 139 in 2018 to 131 in 2019 but are still up 1.5% from the previous five year average.

TABLE 2: TRAFFIC CRASHES AND CRASH SEVERITY FOR WASHTENAW COUNTY (2015-2019 5-YR TREND)

	2015	2016	2017	2018	2019	5-YR TREND
CRASHES	10,839	11,702	11,331	11,006	11,353	
FATAL CRASHES	26	23	37	25	24	
SERIOUS INJURY CRASHES	100	129	147	139	131	

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 2019, 24 fatal crashes occurred in Washtenaw County resulting in 26 fatalities. The 24 fatal crashes included two pedestrians and no bicyclists. The highest number of fatal crashes occurred in the City of Ann Arbor. Of the 24 reported fatal crashes, 14 crashes involved lane departures (58% of fatal crashes) and 7 crashes involved alcohol (29% of fatal crashes). Serious Injury crashes include those coded as A-Incapacitating. In 2019, there were 131 reported serious injury crashes resulting in 151 serious injuries. The 131 serious injury crashes included 14 pedestrians and 7 bicyclists. The highest number of serious injury crashes occurred in the City of Ann Arbor and Ypsilanti Township.

24 Fatal Crashes Resulted in 26 Fatalities in Washtenaw County (2019)

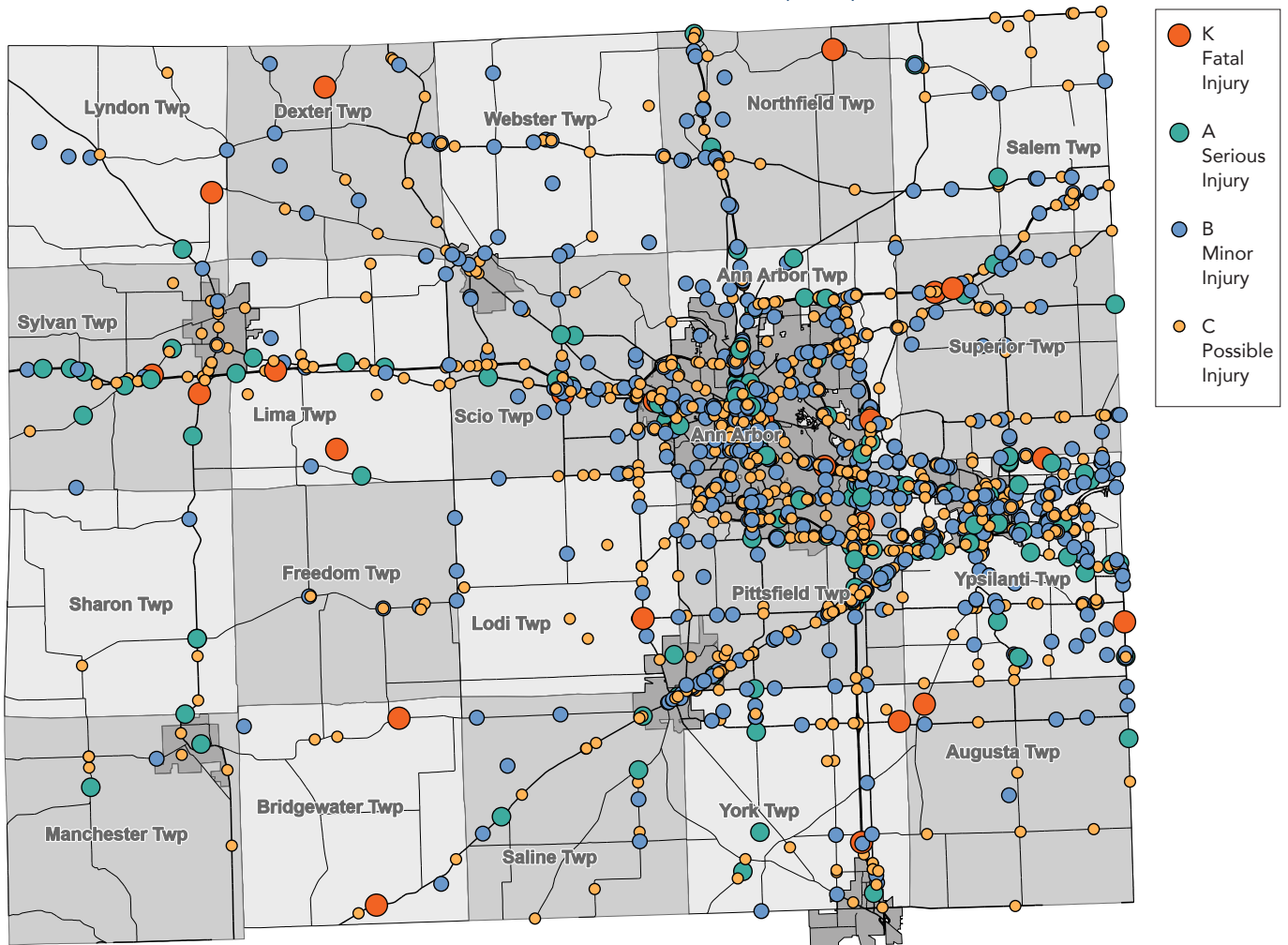
Crash Severity

TABLE 3: TRAFFIC CRASHES AND CRASH SEVERITY BY MUNICIPALITY (2019)

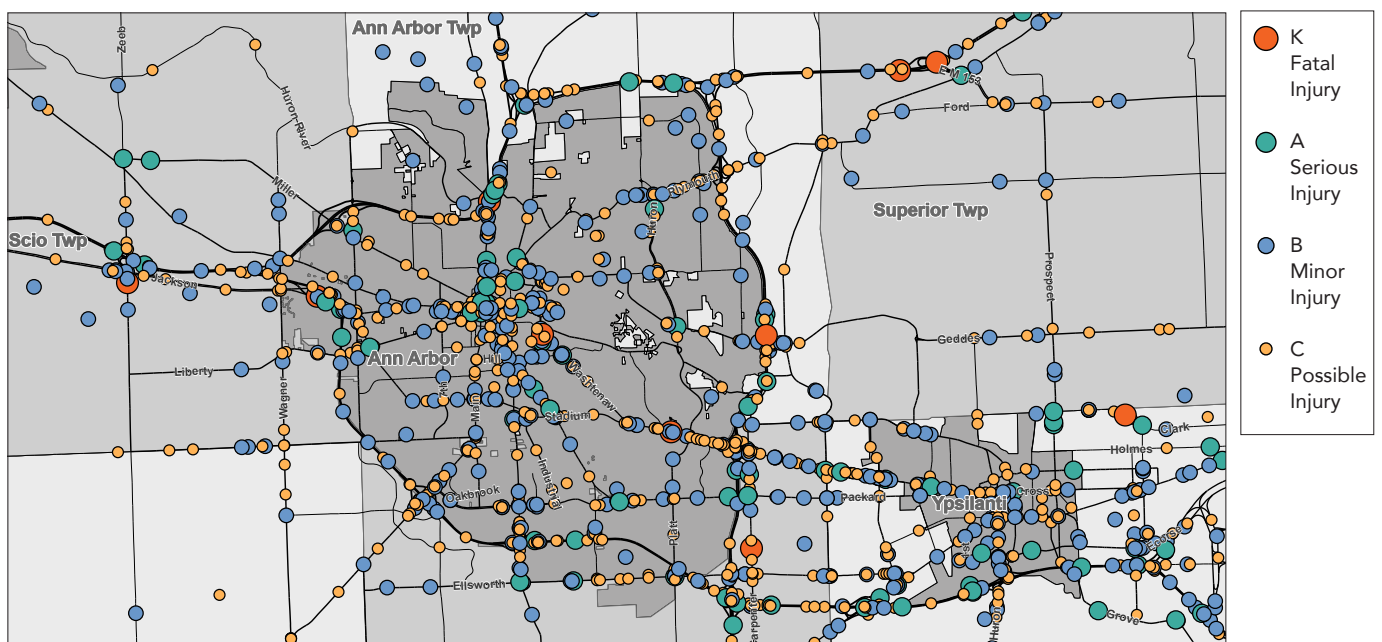
COMMUNITY	CRASHES			PERSONS	
	CRASHES	FATAL CRASHES	SERIOUS INJURY CRASHES	FATALITIES	SERIOUS INJURIES
CITIES AND VILLAGES					
Ann Arbor	3,676	3	30	3	30
Barton Hills	10	0	0	0	0
Chelsea	148	0	1	0	1
Dexter	85	0	0	0	0
Manchester	27	0	1	0	1
Milan	45	0	1	0	1
Saline	200	0	4	0	5
Ypsilanti	829	0	10	0	11
TOTAL	5,020	3	47	3	49
TOWNSHIPS					
Ann Arbor Twp	746	2	12	2	14
Augusta Twp	88	1	1	1	4
Bridgewater Twp	62	2	0	2	0
Dexter Twp	128	1	0	1	0
Freedom Twp	36	0	0	0	0
Lima Twp	169	2	4	2	5
Lodi Twp	115	1	0	1	0
Lyndon Twp	74	1	1	1	1
Manchester Twp	70	0	1	0	1
Northfield Twp	258	1	2	1	2
Pittsfield Twp	1,405	1	13	1	15
Salem Twp	195	0	2	0	3
Saline Twp	57	0	2	0	2
Scio Twp	573	1	5	1	5
Sharon Twp	56	0	3	0	3
Superior Twp	427	2	3	4	6
Sylvan Twp	218	2	8	2	9
Webster Twp	125	0	0	0	0
York Twp	269	2	4	2	5
Ypsilanti Twp	1,262	2	23	2	27
TOTAL	6,333	21	84	23	102
WASHTENAW COUNTY	11,353	24	131	26	151

Crash Severity

MAP 1: INJURY CRASH LOCATIONS FOR WASHTENAW COUNTY (2019)



MAP 2: URBAN AREA DETAIL FOR INJURY CRASH LOCATIONS (2019)



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 (2015-2019 5-YR TREND)

	2015	2016	2017	2018	2019	5-YR TREND
SINGLE MOTOR VEHICLE	2,854	2,795	2,903	2,786	3,002	
HEAD ON	131	118	93	111	113	
ANGLE OR HEAD ON / LEFT TURN	1,924	2,150	1,970	1,890	1,927	
REAR END	3,827	4,261	4,008	3,806	3,787	
SIDESWIPE	1,613	1,798	1,692	1,744	1,824	
OTHER / UNKNOWN	490	580	665	669	700	

The distribution of crash types remains relatively consistent with the prior five year average. Rear end crashes continue to be the most common crash type, making up 33% of all crashes in Washtenaw County. The second most common type of crash, single motor vehicle crashes, make up 26% of all crashes and are the most severe, making up 48% of all traffic fatalities and serious injuries.

CHART 2: CRASH TYPE BY PERCENT OF CRASHES FOR WASHTENAW COUNTY (2019)

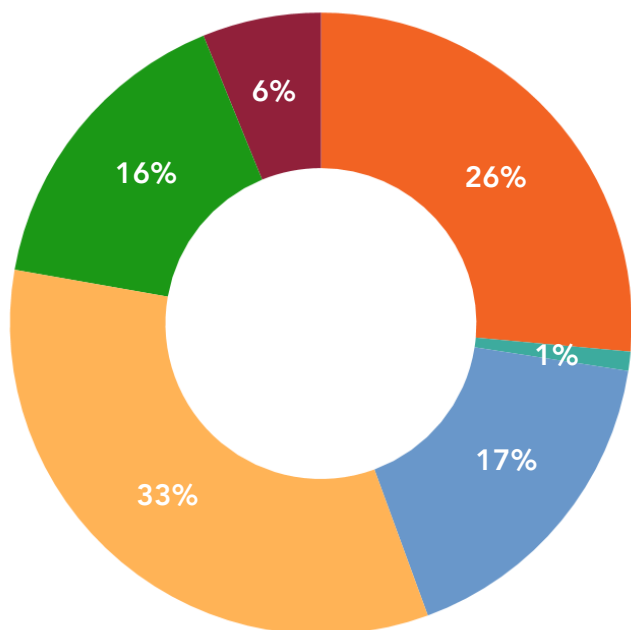
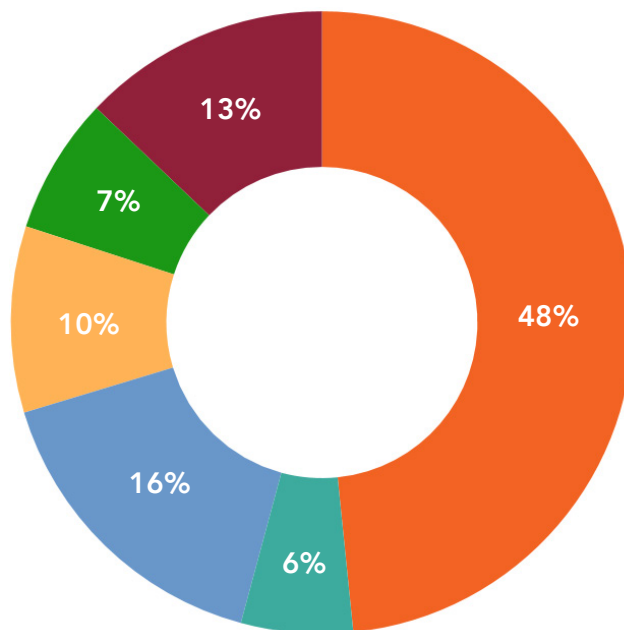


CHART 3: FATALITIES AND SERIOUS INJURIES BY CRASH TYPE FOR WASHTENAW COUNTY (2019)



- 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 (2019)

COMMUNITY	SINGLE MOTOR VEHICLE	HEAD ON	ANGLE OR HEAD ON / LEFT TURN	REAR END	SIDESWIPE	OTHER / UNKNOWN
CITIES AND VILLAGES						
Ann Arbor	483	33	718	1,380	760	302
Barton Hills	6	0	2	1	0	1
Chelsea	30	0	33	51	15	19
Dexter	18	0	25	21	7	14
Manchester	10	0	5	7	4	1
Milan	11	0	4	7	15	8
Saline	34	0	50	72	28	16
Ypsilanti	87	10	186	293	195	58
TOTAL	679	43	1,023	1,832	1,024	419
TOWNSHIPS						
Ann Arbor Twp	230	2	40	334	109	31
Augusta Twp	51	0	9	13	12	3
Bridgewater Twp	53	0	4	2	2	1
Dexter Twp	99	3	8	11	3	4
Freedom Twp	28	0	3	2	0	3
Lima Twp	101	3	6	43	13	3
Lodi Twp	65	0	18	21	8	3
Lyndon Twp	60	1	4	8	1	0
Manchester Twp	55	0	5	5	3	2
Northfield Twp	140	5	19	49	31	14
Pittsfield Twp	260	13	281	560	236	55
Salem Twp	95	3	20	58	11	8
Saline Twp	41	0	2	3	8	3
Scio Twp	240	4	69	152	89	19
Sharon Twp	37	3	3	4	5	4
Superior Twp	148	8	48	164	36	23
Sylvan Twp	140	1	13	30	24	10
Webster Twp	89	2	13	14	5	2
York Twp	127	3	54	57	19	9
Ypsilanti Twp	264	19	285	425	185	84
TOTAL	2,323	70	904	1,955	800	281
WASHTENAW COUNTY	3,002	113	1,927	3,787	1,824	700

Crashes Involving Lane Departures

TABLE 6: TRAFFIC CRASHES INVOLVING LANE DEPARTURES FOR WASHTENAW COUNTY (2015-2019 5-YR TREND)

	2015	2016	2017	2018	2019	5-YR TREND
CRASHES	1,784	1,790	1,910	1,758	1,892	
FATAL CRASHES	13	14	17	14	12	
SERIOUS INJURY CRASHES	37	52	57	60	50	

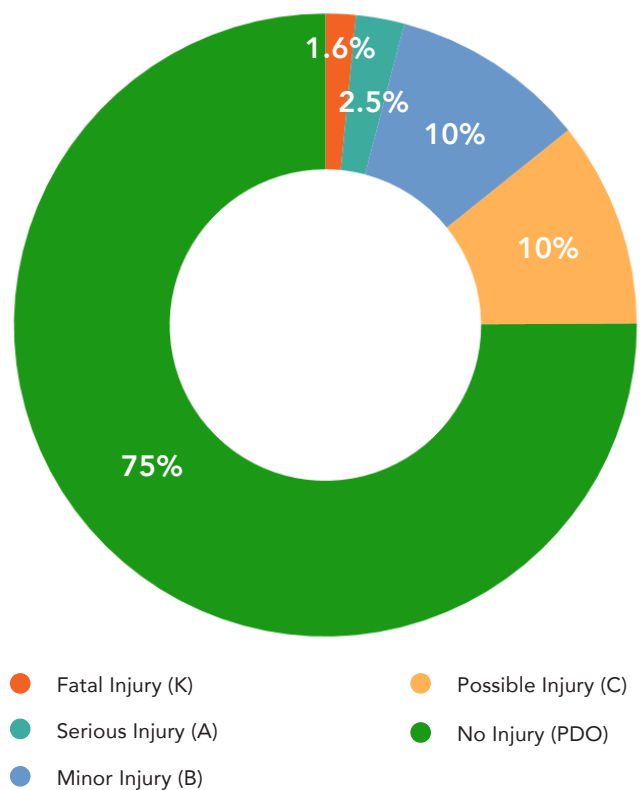
50% of All Fatal Crashes Involved Lane Departures (2019)

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 1,892 lane departure crashes in 2019, up 7% from 1,758 in 2018.
- Crashes involving lane departures represented 16% of all crashes, 50% of all fatal crashes, and 38% of all serious injury crashes.
- Most lane departure crashes occurred in the City of Ann Arbor (23%) and Ypsilanti Township (12%).

CHART 4: CRASHES INVOLVING LANE DEPARTURES BY SEVERITY FOR WASHTENAW COUNTY (2019)



Crashes Involving Lane Departures

TABLE 7: TRAFFIC CRASHES INVOLVING LANE DEPARTURES BY MUNICIPALITY (2019)

COMMUNITY	CRASHES			PERSONS	
	CRASHES	FATAL CRASHES	SERIOUS INJURY CRASHES	FATALITIES	SERIOUS INJURIES
CITIES AND VILLAGES					
Ann Arbor	448	2	6	2	6
Barton Hills	4	0	0	0	0
Chelsea	18	0	1	0	1
Dexter	12	0	0	0	0
Manchester	5	0	1	0	1
Milan	10	0	0	0	0
Saline	16	0	0	0	0
Ypsilanti	91	0	4	0	4
TOTAL	604	2	12	2	12
TOWNSHIPS					
Ann Arbor Twp	149	1	3	1	4
Augusta Twp	29	0	0	0	0
Bridgewater Twp	21	0	0	0	0
Dexter Twp	43	1	0	1	0
Freedom Twp	12	0	0	0	0
Lima Twp	45	1	2	1	2
Lodi Twp	20	0	0	0	0
Lyndon Twp	19	1	1	1	1
Manchester Twp	14	0	1	0	1
Northfield Twp	77	1	2	1	2
Pittsfield Twp	177	0	4	0	4
Salem Twp	44	0	1	0	2
Saline Twp	20	0	2	0	2
Scio Twp	120	0	1	0	1
Sharon Twp	9	0	1	0	1
Superior Twp	72	1	1	3	0
Sylvan Twp	65	2	7	2	7
Webster Twp	31	0	0	0	0
York Twp	79	0	3	0	3
Ypsilanti Twp	242	2	9	2	11
TOTAL	1,288	10	38	12	41
WASHTENAW COUNTY	1,892	12	50	14	53

Crashes Involving Intersections

TABLE 8: TRAFFIC CRASHES INVOLVING INTERSECTIONS FOR WASHTENAW COUNTY (2015-2019 5-YR TREND)

	2015	2016	2017	2018	2019	5-YR TREND
CRASHES	3,165	3,498	3,087	2,950	2,952	
FATAL CRASHES	5	2	7	3	3	
SERIOUS INJURY CRASHES	27	28	48	37	35	

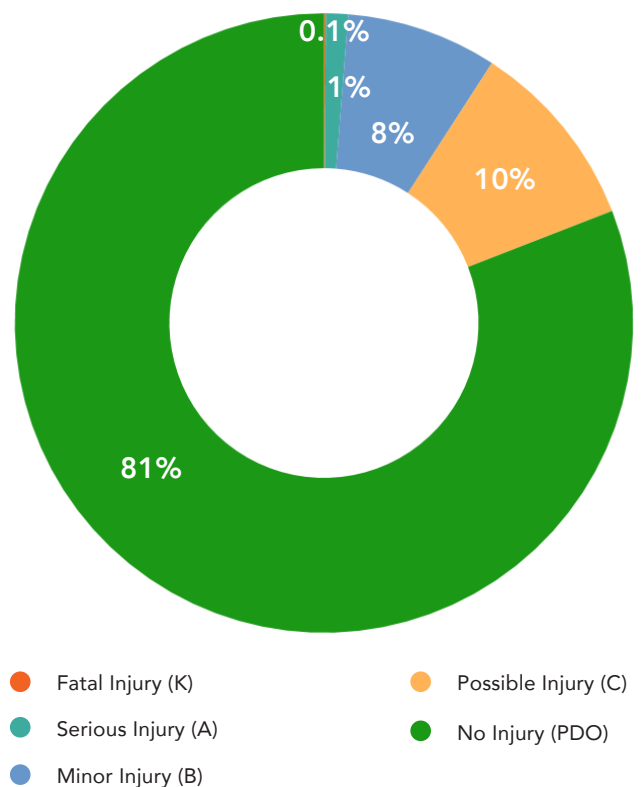
26% of All Crashes Involved Intersections (2019)

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 5% from the previous five year average.
- Intersections were involved in 26% of all crashes, 12% of all fatal crashes, and 26% of all serious injury crashes.
- Most intersection crashes occurred in the City of Ann Arbor, the City of Ypsilanti, Pittsfield Township, and Ypsilanti Township.

CHART 5: CRASHES INVOLVING INTERSECTIONS BY SEVERITY FOR WASHTENAW COUNTY (2019)



Crashes Involving Intersections

TABLE 9: TRAFFIC CRASHES INVOLVING INTERSECTIONS BY MUNICIPALITY (2019)

COMMUNITY	CRASHES			PERSONS	
	CRASHES	FATAL CRASHES	SERIOUS INJURY CRASHES	FATALITIES	SERIOUS INJURIES
CITIES AND VILLAGES					
Ann Arbor	1,147	1	10	1	10
Barton Hills	2	0	0	0	0
Chelsea	41	0	0	0	0
Dexter	26	0	0	0	0
Manchester	13	0	0	0	0
Milan	15	0	1	0	1
Saline	63	0	2	0	2
Ypsilanti	362	0	3	0	3
TOTAL	1,669	1	16	1	16
TOWNSHIPS					
Ann Arbor Twp	83	0	0	0	0
Augusta Twp	18	0	0	0	0
Bridgewater Twp	2	0	0	0	0
Dexter Twp	13	0	0	0	0
Freedom Twp	5	0	0	0	0
Lima Twp	13	0	1	0	1
Lodi Twp	37	1	0	1	0
Lyndon Twp	6	0	0	0	0
Manchester Twp	9	0	0	0	0
Northfield Twp	26	0	0	0	0
Pittsfield Twp	369	0	6	0	7
Salem Twp	33	0	0	0	0
Saline Twp	8	0	0	0	0
Scio Twp	106	0	1	0	1
Sharon Twp	8	0	2	0	2
Superior Twp	95	0	2	0	2
Sylvan Twp	23	0	0	0	0
Webster Twp	24	0	0	0	0
York Twp	60	1	2	1	2
Ypsilanti Twp	345	0	5	0	5
TOTAL	1,283	2	19	2	20
WASHTENAW COUNTY	2,952	3	35	3	36

Crashes Involving Intersections

MAP 3: INTERSECTION CRASH LOCATIONS FOR WASHTENAW COUNTY (2019)

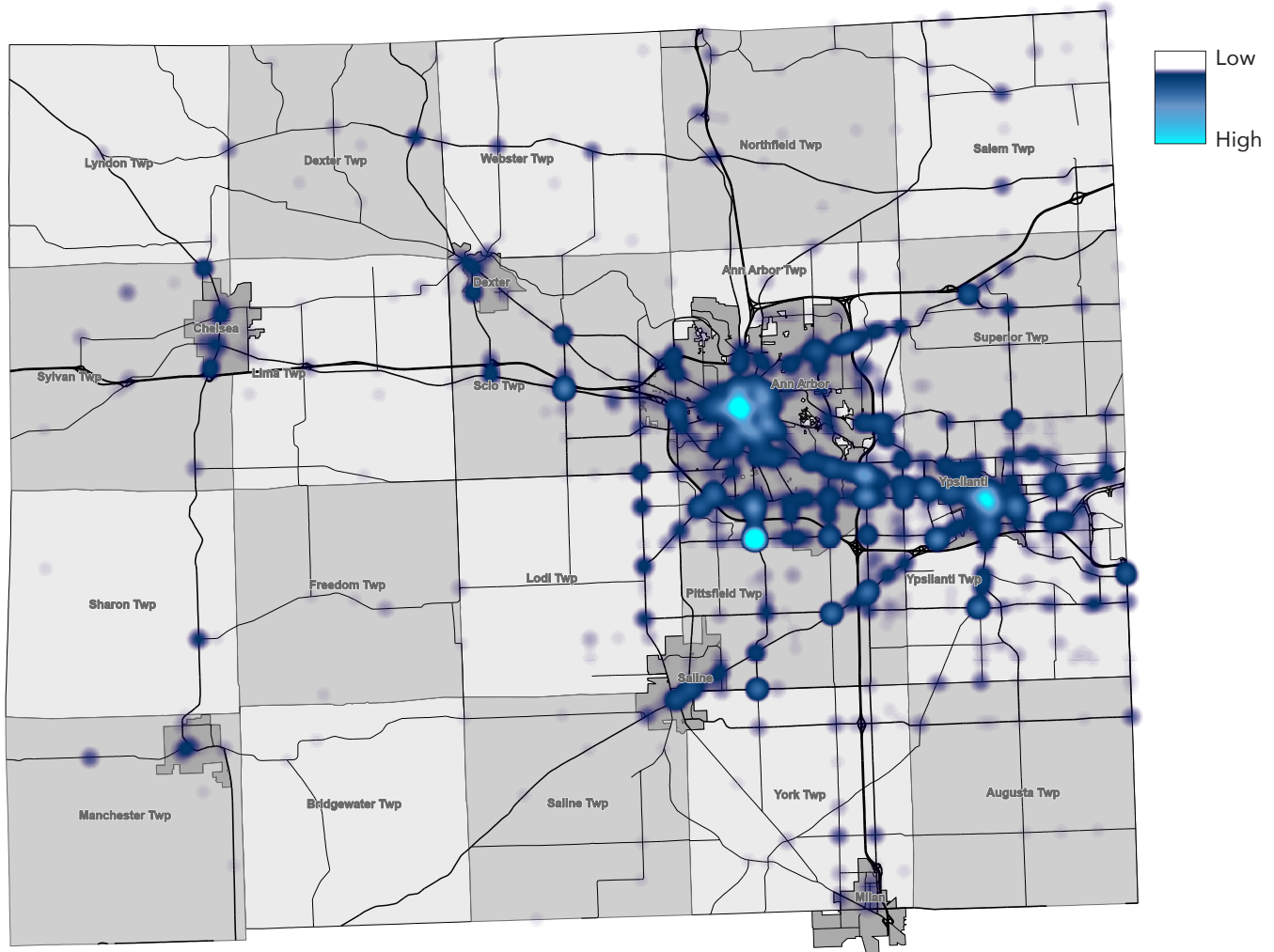


TABLE 10: HIGHEST FREQUENCY INTERSECTION CRASH LOCATIONS RANKED (2019)

RANK	LOCATION	COMMUNITY	CRASHES		
			CRASHES	FATAL CRASHES	SERIOUS INJURY CRASHES
1	S State Rd & W Ellsworth Rd	Ann Arbor	145	0	1
2	Jackson Rd & S Zeeb Rd	Scio Twp	26	0	0
3	Packard St & Carpenter Rd	Pittsfield Twp	24	0	1
4	Washtenaw Ave & Carpenter / Hogback Rd	Pittsfield Twp	24	0	0
5	Moon Rd & W Bemis Rd	Pittsfield Twp	24	0	1
6	W Michigan Ave & Hewitt Rd	Ypsilanti Twp	23	0	1
7	W Michigan Ave & Carpenter Rd	Pittsfield Twp	21	0	0
8	E Ellsworth Rd & Platt Rd	Ann Arbor	20	0	1
9	N Hewitt Rd & Washtenaw Ave	Ypsilanti Twp	18	0	0
10	Michigan Ave & Huron St	Ypsilanti	17	0	0

Crashes Involving Pedestrians



Crashes Involving Pedestrians

TABLE 11: TRAFFIC CRASHES INVOLVING PEDESTRIANS FOR WASHTENAW COUNTY (2015-2019 5-YR TREND)

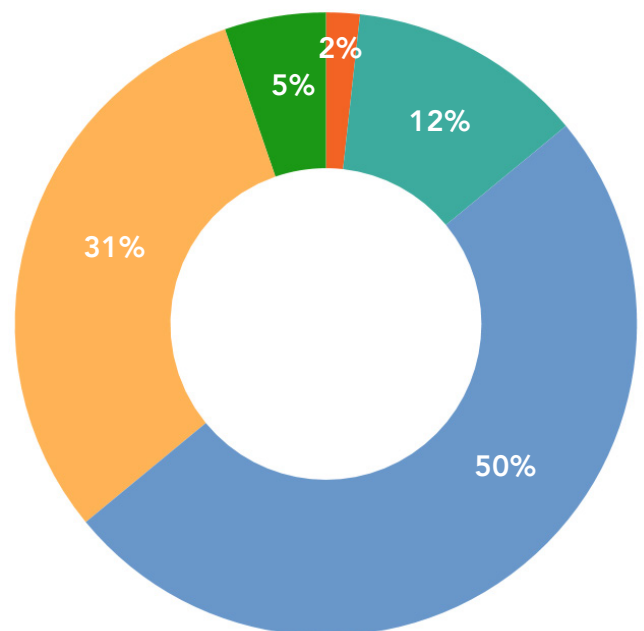
	2015	2016	2017	2018	2019	5-YR TREND
CRASHES	87	127	107	111	114	
FATAL CRASHES	1	8	6	3	2	
SERIOUS INJURY CRASHES	13	18	21	17	14	

95% of Crashes Involving Pedestrians Were Injury Crashes (2019)

Key Observations

- Crashes involving pedestrians increased 2.6% from 111 crashes in 2018 to 114 crashes in 2019.
- 14% of crashes involving pedestrians were either fatal or serious injury crashes.
- Pedestrians were involved in 1% of all crashes, 8% of fatal crashes, and 10% of all serious injury crashes in Washtenaw County.
- Pedestrian related crashes occur most frequently in urban communities, such as the City of Ann Arbor and the City of Ypsilanti.

CHART 6: CRASHES INVOLVING PEDESTRIANS BY SEVERITY FOR WASHTENAW COUNTY (2019)



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

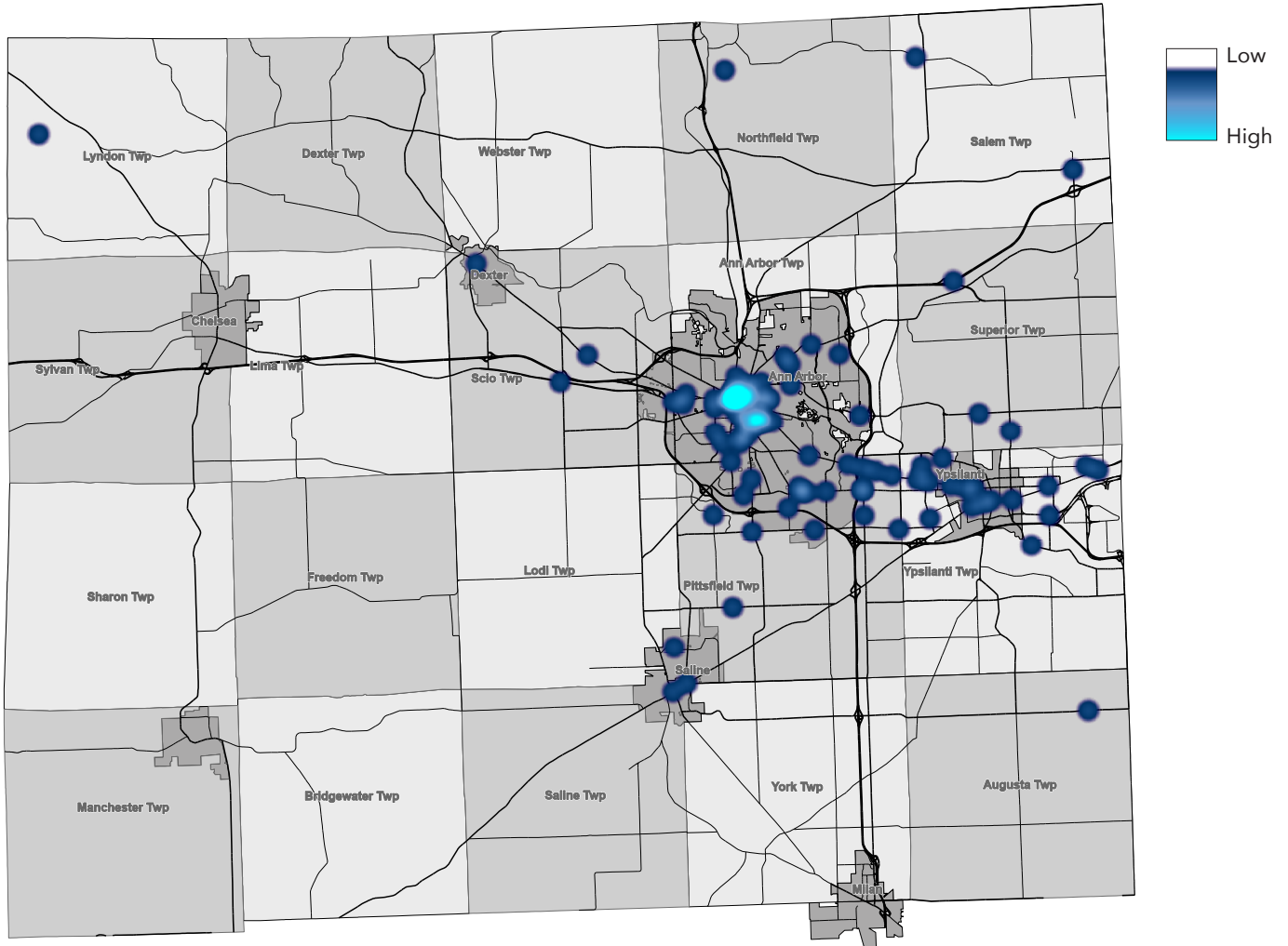
Crashes Involving Pedestrians

TABLE 12: TRAFFIC CRASHES INVOLVING PEDESTRIANS BY MUNICIPALITY (2019)

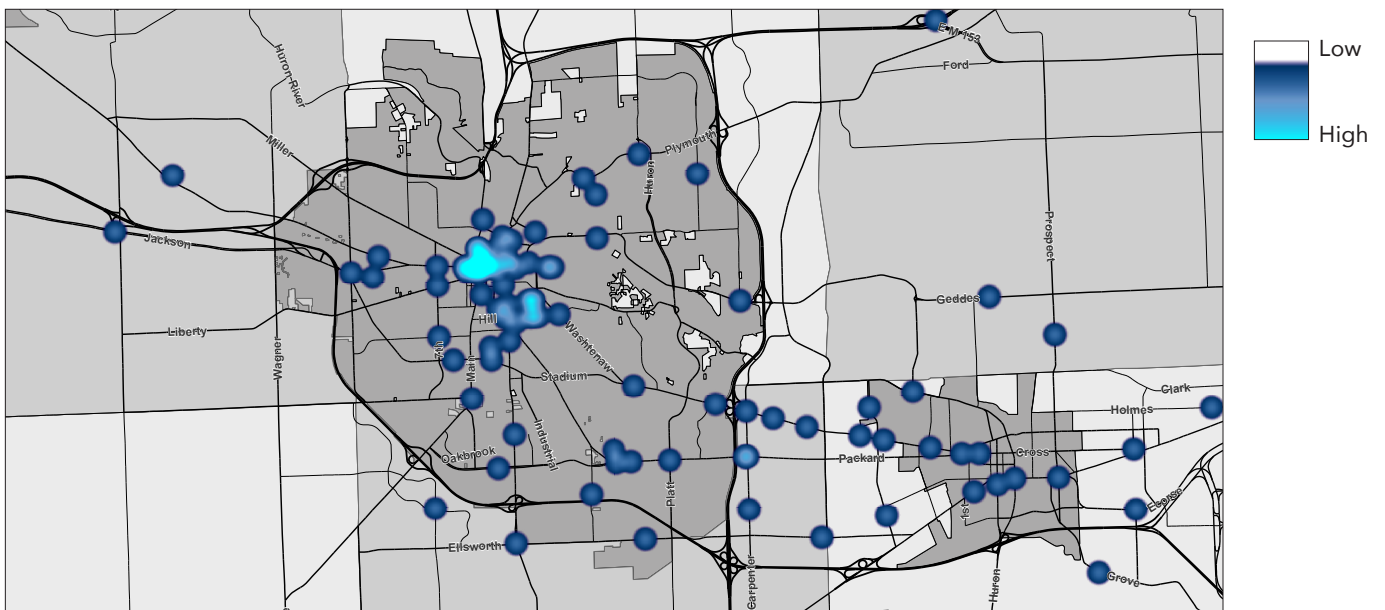
COMMUNITY	CRASHES			PERSONS	
	CRASHES	FATAL CRASHES	SERIOUS INJURY CRASHES	FATALITIES	SERIOUS INJURIES
CITIES AND VILLAGES					
Ann Arbor	74	0	8	0	8
Barton Hills	0	0	0	0	0
Chelsea	0	0	0	0	0
Dexter	1	0	0	0	0
Manchester	0	0	0	0	0
Milan	0	0	0	0	0
Saline	3	0	1	0	1
Ypsilanti	10	0	1	0	1
TOTAL	88	0	10	0	10
TOWNSHIPS					
Ann Arbor Twp	0	0	0	0	0
Augusta Twp	1	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	0	0	0	0	0
Lyndon Twp	1	0	0	0	0
Manchester Twp	0	0	0	0	0
Northfield Twp	1	0	0	0	0
Pittsfield Twp	9	1	0	1	0
Salem Twp	0	0	1	0	1
Saline Twp	2	0	0	0	0
Scio Twp	2	0	0	0	0
Sharon Twp	0	0	0	0	0
Superior Twp	3	1	0	1	0
Sylvan Twp	0	0	0	0	0
Webster Twp	0	0	0	0	0
York Twp	0	0	0	0	0
Ypsilanti Twp	7	0	3	0	3
TOTAL	26	2	4	2	4
WASHTENAW COUNTY	114	2	14	2	14

Crashes Involving Pedestrians

MAP 4: PEDESTRIAN CRASH LOCATIONS FOR WASHTENAW COUNTY (2019)



MAP 5: URBAN AREA DETAIL FOR PEDESTRIAN CRASH LOCATIONS (2019)



Crashes Involving Bicyclists



Crashes Involving Bicyclists

TABLE 13: TRAFFIC CRASHES INVOLVING BICYCLISTS FOR WASHTENAW COUNTY (2015-2019 5-YR TREND)

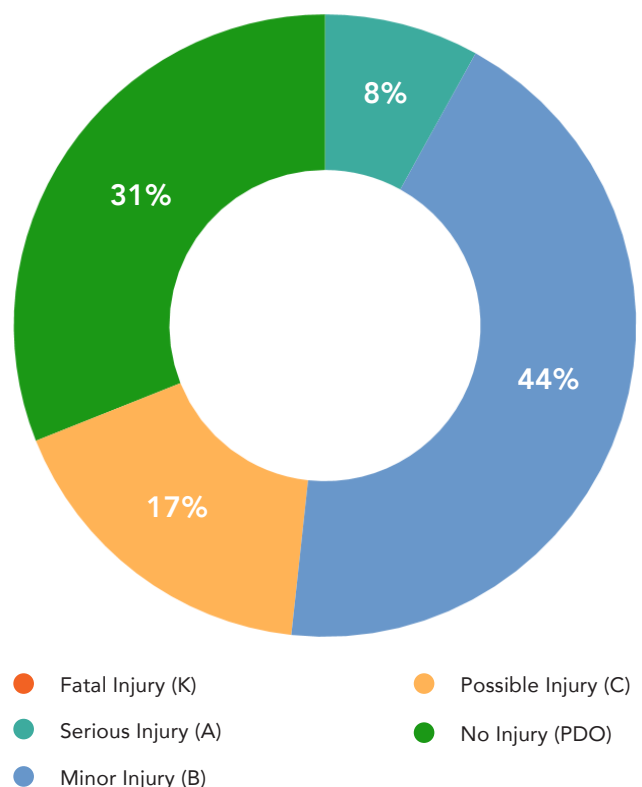
	2015	2016	2017	2018	2019	5-YR TREND
CRASHES	77	121	88	77	87	
FATAL CRASHES	4	2	1	2	0	
SERIOUS INJURY CRASHES	3	7	6	4	7	

69% of Crashes Involving Bicyclists Were Injury Crashes (2019)

Key Observations

- Crashes involving bicyclists were up 11%, from 77 crashes in 2018 to 87 crashes in 2019.
- The majority (44%) of crashes involving bicyclists were minor injury crashes. There were 7 serious injury crashes and 0 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, Ypsilanti Township, and Pittsfield Township had the most crashes involving bicyclists.

CHART 7: CRASHES INVOLVING BICYCLISTS BY SEVERITY FOR WASHTENAW COUNTY (2019)



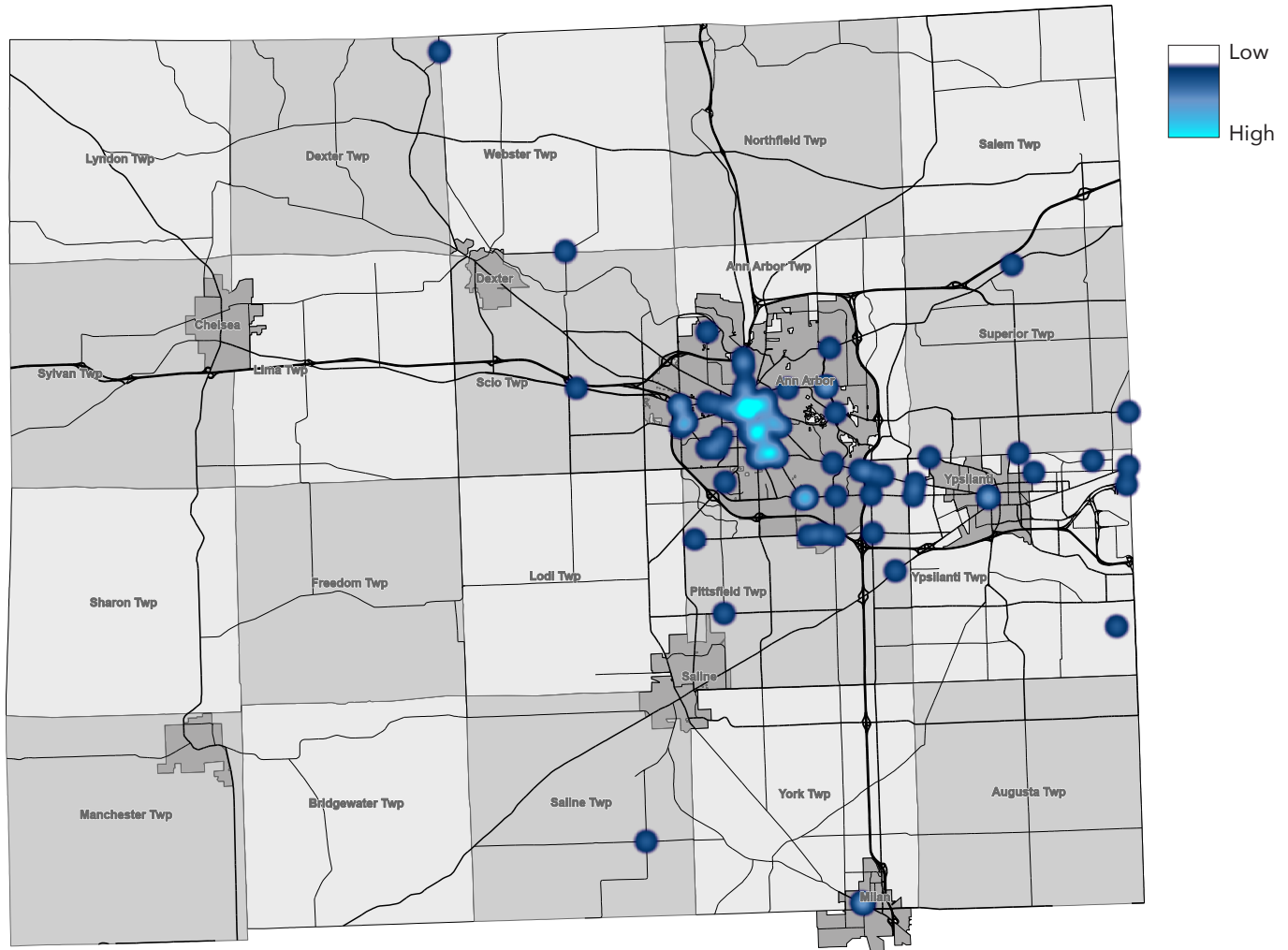
Crashes Involving Bicyclists

TABLE 14: TRAFFIC CRASHES INVOLVING BICYCLISTS BY MUNICIPALITY (2019)

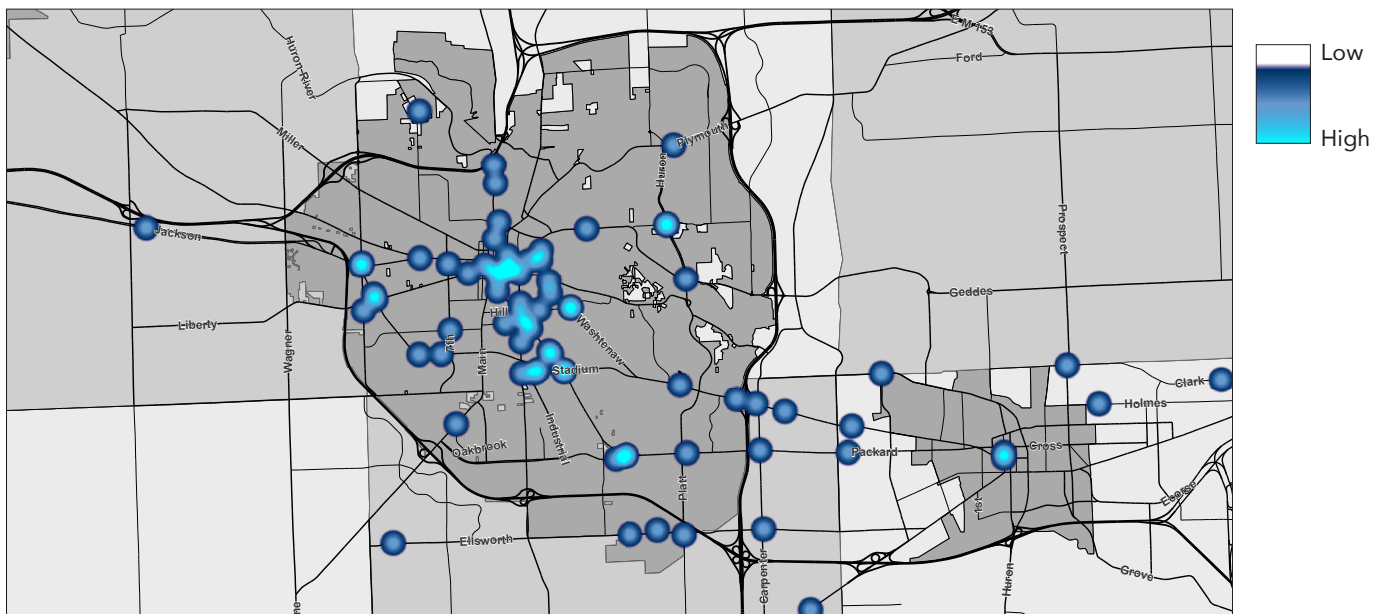
COMMUNITY	CRASHES			PERSONS	
	CRASHES	FATAL CRASHES	SERIOUS INJURY CRASHES	FATALITIES	SERIOUS INJURIES
CITIES AND VILLAGES					
Ann Arbor	65	0	5	0	5
Barton Hills	0	0	0	0	0
Chelsea	0	0	0	0	0
Dexter	0	0	0	0	0
Manchester	0	0	0	0	0
Milan	0	0	0	0	0
Saline	0	0	0	0	0
Ypsilanti	0	0	0	0	0
TOTAL	65	0	5	0	5
TOWNSHIPS					
Ann Arbor Twp	1	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	7	0	0	0	0
Salem Twp	0	0	0	0	0
Saline Twp	1	0	0	0	0
Scio Twp	1	0	0	0	0
Sharon Twp	0	0	0	0	0
Superior Twp	2	0	0	0	0
Sylvan Twp	0	0	0	0	0
Webster Twp	1	0	0	0	0
York Twp	0	0	0	0	0
Ypsilanti Twp	8	0	2	0	2
TOTAL	22	0	2	0	2
WASHTENAW COUNTY	87	0	7	0	7

Crashes Involving Bicyclists

MAP 6: CRASH LOCATIONS INVOLVING BICYCLISTS FOR WASHTENAW COUNTY (2019)



MAP 7: URBAN AREA DETAIL FOR CRASHES INVOLVING BICYCLISTS (2019)



Crashes Involving Alcohol

TABLE 15: TRAFFIC CRASHES INVOLVING ALCOHOL FOR WASHTENAW COUNTY (2015-2019 5-YR TREND)

	2015	2016	2017	2018	2019	5-YR TREND
CRASHES	332	329	341	281	307	
FATAL CRASHES	8	6	17	7	7	
SERIOUS INJURY CRASHES	20	19	25	32	24	

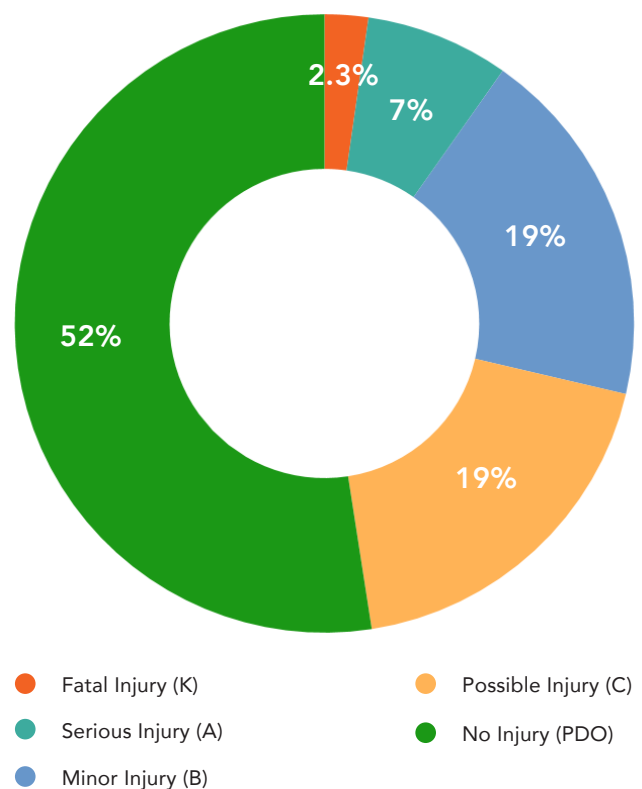
20% of All Injury Crashes Involved Alcohol (2019)

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 2019, 29% of all fatal crashes involved alcohol and 18% of all serious injury crashes involved alcohol.
- The number of crashes involving alcohol increased 8% from 281 in 2018 to 307 in 2019.
- 25% of all crashes involving alcohol occurred in the City of Ann Arbor and 16% occurred in Ypsilanti Township.

CHART 8: CRASHES INVOLVING ALCOHOL BY SEVERITY FOR WASHTENAW COUNTY (2019)



Crashes Involving Alcohol

TABLE 16: TRAFFIC CRASHES INVOLVING ALCOHOL BY MUNICIPALITY (2019)

COMMUNITY	CRASHES			PERSONS	
	CRASHES	FATAL CRASHES	SERIOUS INJURY CRASHES	FATALITIES	SERIOUS INJURIES
CITIES AND VILLAGES					
Ann Arbor	79	1	6	1	6
Barton Hills	0	0	0	0	0
Chelsea	3	0	0	0	0
Dexter	1	0	0	0	0
Manchester	3	0	1	0	1
Milan	2	0	0	0	0
Saline	9	0	0	0	0
Ypsilanti	27	0	2	0	2
TOTAL	124	1	9	1	9
TOWNSHIPS					
Ann Arbor Twp	16	0	1	0	1
Augusta Twp	9	0	0	0	0
Bridgewater Twp	2	1	0	1	0
Dexter Twp	5	1	0	1	0
Freedom Twp	1	0	0	0	0
Lima Twp	4	1	1	1	2
Lodi Twp	1	0	0	0	0
Lyndon Twp	2	0	0	0	0
Manchester Twp	2	0	0	0	0
Northfield Twp	13	0	0	0	0
Pittsfield Twp	25	0	1	0	1
Salem Twp	5	0	0	0	0
Saline Twp	3	0	1	0	1
Scio Twp	17	0	1	0	1
Sharon Twp	1	0	0	0	0
Superior Twp	12	2	1	4	3
Sylvan Twp	6	0	1	0	1
Webster Twp	4	0	0	0	0
York Twp	5	0	1	0	1
Ypsilanti Twp	50	1	7	1	9
TOTAL	183	6	15	8	20
WASHTENAW COUNTY	307	7	24	9	29

Crashes Involving Drugs

TABLE 17: TRAFFIC CRASHES INVOLVING DRUGS FOR WASHTENAW COUNTY (2015-2019 5-YR TREND)

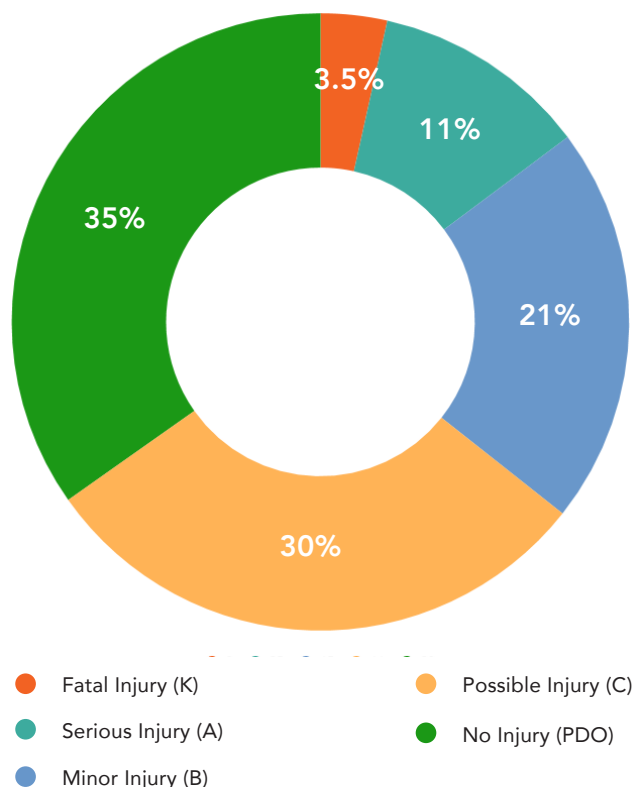
	2015	2016	2017	2018	2019	5-YR TREND
CRASHES	121	103	114	82	115	
FATAL CRASHES	8	5	15	5	4	
SERIOUS INJURY CRASHES	7	11	16	8	13	

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

35% of All Crashes Involving Drugs Were Injury Crashes (2019)

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

CHART 9: CRASHES INVOLVING DRUGS BY SEVERITY FOR WASHTENAW COUNTY (2019)



Key Observations

- There were 115 crashes involving drugs in 2019, up 28% from 82 crashes in 2018 and up 7% from the previous five year average.
- In 2019, crashes involving drugs accounted for 1% of all crashes, 16% of fatal crashes, and 10% of serious injury crashes in Washtenaw County.
- 15% of crashes involving drugs were fatal or serious injury crashes.

Crashes Involving Drugs




TABLE 18: TRAFFIC CRASHES INVOLVING DRUGS BY MUNICIPALITY (2019)

COMMUNITY	CRASHES			PERSONS	
	CRASHES	FATAL CRASHES	SERIOUS INJURY CRASHES	FATALITIES	SERIOUS INJURIES
CITIES AND VILLAGES					
Ann Arbor	29	1	3	1	3
Barton Hills	0	0	0	0	0
Chelsea	0	0	0	0	0
Dexter	1	0	0	0	0
Manchester	0	0	0	0	0
Milan	0	0	0	0	0
Saline	4	0	1	0	1
Ypsilanti	11	0	0	0	0
TOTAL	45	1	4	1	4
TOWNSHIPS					
Ann Arbor Twp	6	0	0	0	0
Augusta Twp	2	0	0	0	0
Bridgewater Twp	0	0	0	0	0
Dexter Twp	0	0	0	0	0
Freedom Twp	1	0	0	0	0
Lima Twp	2	1	1	1	2
Lodi Twp	1	0	0	0	0
Lyndon Twp	0	0	0	0	0
Manchester Twp	0	0	0	0	0
Northfield Twp	4	0	1	0	1
Pittsfield Twp	15	1	0	1	0
Salem Twp	0	0	0	0	0
Saline Twp	0	0	0	0	0
Scio Twp	2	0	0	0	0
Sharon Twp	0	0	0	0	0
Superior Twp	6	0	1	0	1
Sylvan Twp	5	0	3	0	3
Webster Twp	0	0	0	0	0
York Twp	5	0	2	0	2
Ypsilanti Twp	21	1	1	1	2
TOTAL	70	3	9	3	11
WASHTENAW COUNTY	115	4	13	4	15

Crashes Involving Deer

There were 1,106 crashes involving deer in 2019. Of the deer crashes, 1,088 were single motor vehicle crashes, which accounts for 36% of all single-vehicle crashes.

TABLE 19: TRAFFIC CRASHES INVOLVING DEER FOR WASHTENAW COUNTY (2015-2019 5-YR TREND)

	2015	2016	2017	2018	2019	5-YR TREND
CRASHES	1,062	961	962	1,003	1,106	
FATAL CRASHES	0	0	1	0	0	
SERIOUS INJURY CRASHES	1	0	2	1	2	

36% of Single Motor Vehicle Crashes Involved Deer (2019)



Crashes Involving Deer

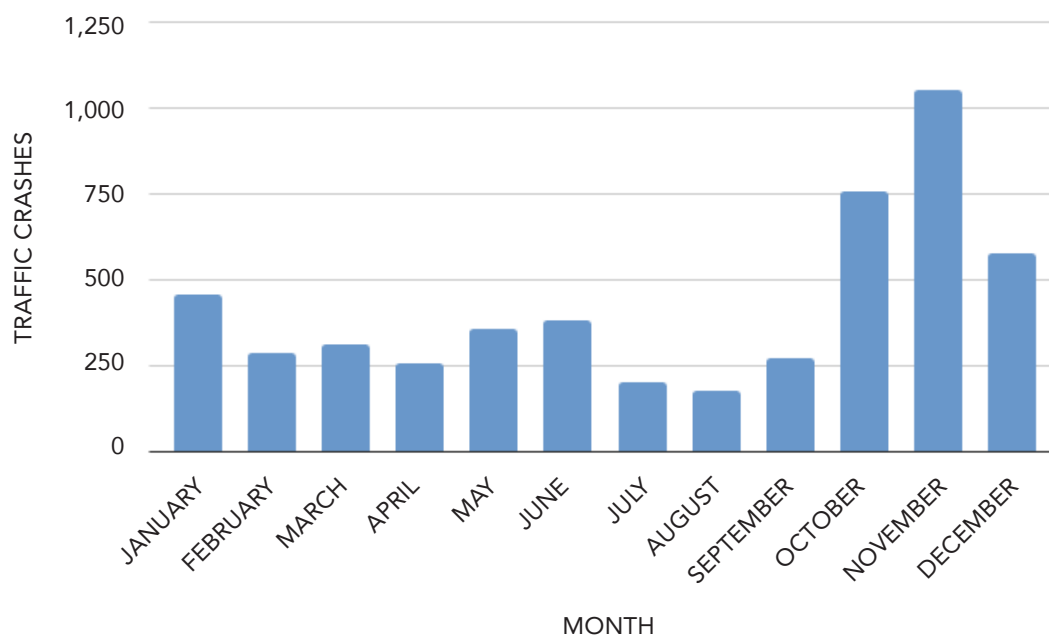
TABLE 20: TRAFFIC CRASHES INVOLVING DEER BY MUNICIPALITY (2019)

COMMUNITY	CRASHES			PERSONS	
	CRASHES	FATAL CRASHES	SERIOUS INJURY CRASHES	FATALITIES	SERIOUS INJURIES
CITIES AND VILLAGES					
Ann Arbor	50	0	0	0	0
Barton Hills	4	0	0	0	0
Chelsea	18	0	0	0	0
Dexter	7	0	0	0	0
Manchester	5	0	0	0	0
Milan	1	0	0	0	0
Saline	21	0	0	0	0
Ypsilanti	5	0	0	0	0
TOTAL	111	0	0	0	0
TOWNSHIPS					
Ann Arbor Twp	67	0	1	0	1
Augusta Twp	12	0	0	0	0
Bridgewater Twp	35	0	0	0	0
Dexter Twp	59	0	0	0	0
Freedom Twp	16	0	0	0	0
Lima Twp	53	0	0	0	0
Lodi Twp	38	0	0	0	0
Lyndon Twp	39	0	0	0	0
Manchester Twp	38	0	0	0	0
Northfield Twp	60	0	0	0	0
Pittsfield Twp	67	0	0	0	0
Salem Twp	51	0	0	0	0
Saline Twp	21	0	0	0	0
Scio Twp	119	0	1	0	1
Sharon Twp	28	0	0	0	0
Superior Twp	81	0	0	0	0
Sylvan Twp	68	0	0	0	0
Webster Twp	59	0	0	0	0
York Twp	42	0	0	0	0
Ypsilanti Twp	42	0	0	0	0
TOTAL	995	0	2	0	2
WASHTENAW COUNTY	1,106	0	2	0	2

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.

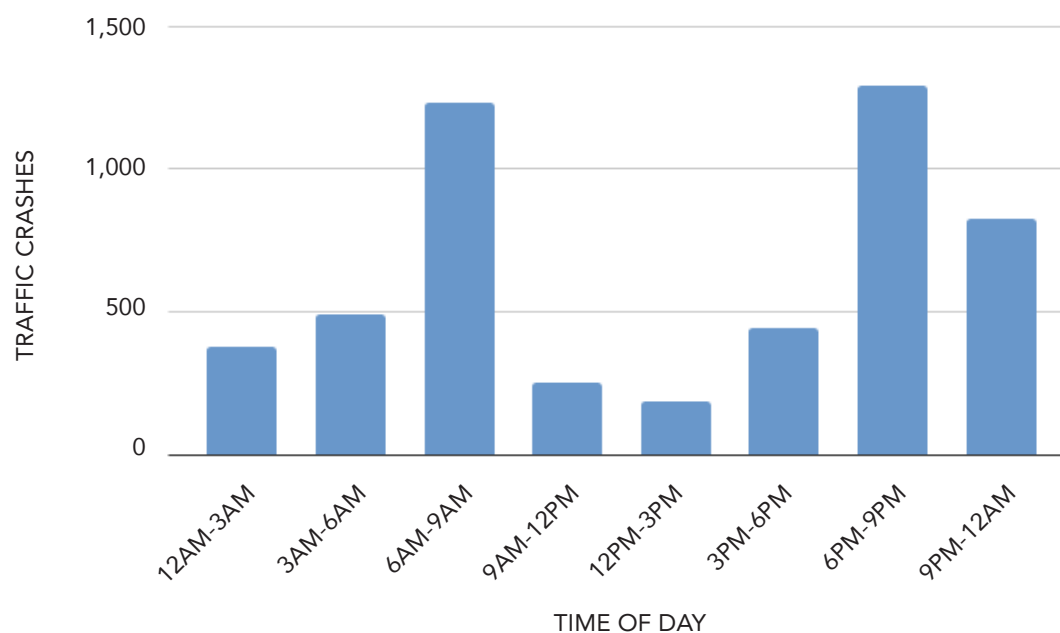
CHART 10: TRAFFIC CRASHES INVOLVING DEER BY MONTH FOR WASHTENAW COUNTY (2015-2019)



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

20% of Deer Crashes Occured in November (2015-2019)

CHART 11: TRAFFIC CRASHES INVOLVING DEER BY TIME OF DAY FOR WASHTENAW COUNTY (2015-2019)



More than 49% 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 (2015-2019 5-YR TREND)

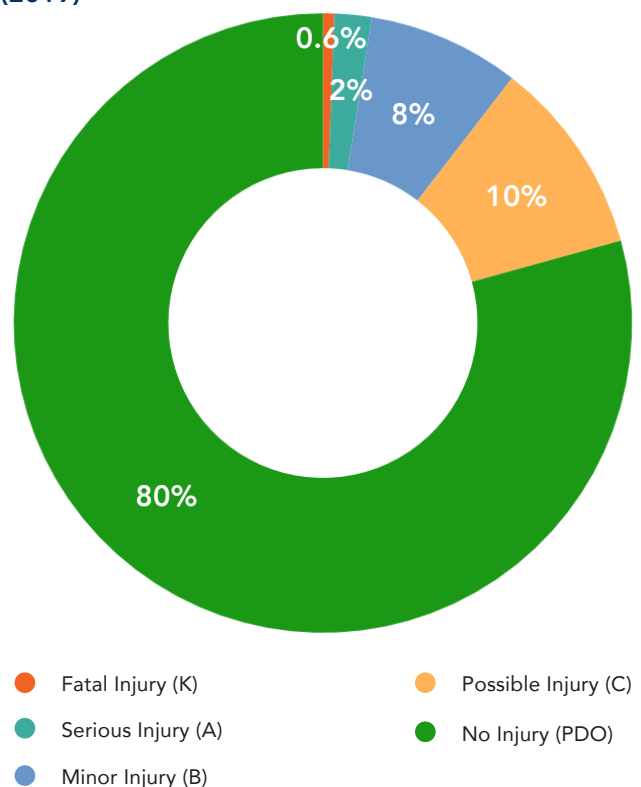
	2015	2016	2017	2018	2019	5-YR TREND
CRASHES	1,110	1,003	1,133	1,141	1,183	
FATAL CRASHES	8	4	5	2	5	
SERIOUS INJURY CRASHES	20	22	17	16	22	

20% of Fatal Crashes Involved Speeding Too Fast (2019)

Key Observations

- In 2019, crashes involving speeding too fast were up 6% from the previous five year average.
- In 2019, fatal and serious injury crashes involving speeding too fast increased 33% from 18 in 2018 to 27 in 2019.
- Speeding too fast was involved in 10% of all crashes, 20% of all fatal crashes, and 17% of all serious injury crashes in Washtenaw County.
- The City of Ann Arbor, Ann Arbor Township, and Pittsfield Township had the most crashes involving speeding too fast.

CHART 12: CRASHES INVOLVING SPEEDING TOO FAST BY SEVERITY FOR WASHTENAW COUNTY (2019)



Crashes Involving Speeding Too Fast

TABLE 22: TRAFFIC CRASHES INVOLVING SPEEDING TOO FAST BY MUNICIPALITY (2019)

COMMUNITY	CRASHES			PERSONS	
	CRASHES	FATAL CRASHES	SERIOUS INJURY CRASHES	FATALITIES	SERIOUS INJURIES
CITIES AND VILLAGES					
Ann Arbor	228	1	5	1	5
Barton Hills	3	0	0	0	0
Chelsea	10	0	0	0	0
Dexter	2	0	0	0	0
Manchester	3	0	1	0	1
Milan	3	0	0	0	0
Saline	4	0	1	0	2
Ypsilanti	37	0	2	0	2
TOTAL	290	1	9	1	10
TOWNSHIPS					
Ann Arbor Twp	142	1	1	1	1
Augusta Twp	18	0	0	0	0
Bridgewater Twp	13	0	0	0	0
Dexter Twp	33	1	0	1	0
Freedom Twp	7	0	0	0	0
Lima Twp	43	1	0	1	0
Lodi Twp	13	0	0	0	0
Lyndon Twp	10	0	0	0	0
Manchester Twp	6	0	0	0	0
Northfield Twp	52	1	0	1	0
Pittsfield Twp	134	0	4	0	4
Salem Twp	32	0	0	0	0
Saline Twp	11	0	2	0	2
Scio Twp	71	0	0	0	0
Sharon Twp	5	0	0	0	0
Superior Twp	59	0	0	0	0
Sylvan Twp	54	0	3	0	3
Webster Twp	14	0	0	0	0
York Twp	58	0	0	0	0
Ypsilanti Twp	118	0	3	0	4
TOTAL	893	4	13	4	14
WASHTENAW COUNTY	1,183	5	22	5	24

Crashes Involving Older Drivers

TABLE 23: TRAFFIC CRASHES INVOLVING OLDER DRIVERS FOR WASHTENAW COUNTY (2015-2019 5-YR TREND)

	2015	2016	2017	2018	2019	5-YR TREND
CRASHES	1,584	1,707	1,723	1,747	1,923	
FATAL CRASHES	6	4	10	6	8	
SERIOUS INJURY CRASHES	19	17	24	31	26	

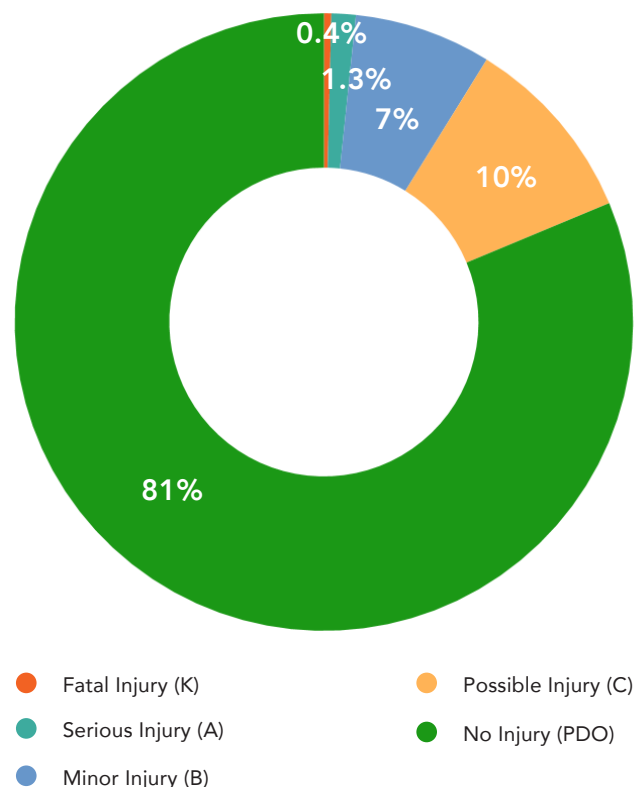
33% of Fatal Crashes Involved Older Drivers (2019)

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 up 9% from 1,747 in 2018 to 1,923 in 2019.
- Although the total number of crashes increased, the number of fatal and serious injury crashes involving older drivers declined 8% from 37 in 2018 to 34 in 2019.
- In 2019, crashes involving older drivers represented 17% of all crashes, 33% of all fatal crashes, and 20% of all serious injury crashes in Washtenaw County.

CHART 13: CRASHES INVOLVING OLDER DRIVERS BY SEVERITY FOR WASHTENAW COUNTY (2019)



Crashes Involving Older Drivers

TABLE 24: TRAFFIC CRASHES INVOLVING OLDER DRIVERS BY MUNICIPALITY (2019)

COMMUNITY	CRASHES			PERSONS	
	CRASHES	FATAL CRASHES	SERIOUS INJURY CRASHES	FATALITIES	SERIOUS INJURIES
CITIES AND VILLAGES					
Ann Arbor	697	1	3	1	3
Barton Hills	0	0	0	0	0
Chelsea	42	0	0	0	0
Dexter	19	0	0	0	0
Manchester	4	0	0	0	0
Milan	10	0	0	0	0
Saline	41	0	2	0	3
Ypsilanti	113	0	2	0	3
TOTAL	926	1	7	1	9
TOWNSHIPS					
Ann Arbor Twp	98	0	3	0	4
Augusta Twp	9	0	0	0	0
Bridgewater Twp	10	1	0	1	0
Dexter Twp	19	0	0	0	0
Freedom Twp	7	0	0	0	0
Lima Twp	23	1	2	1	2
Lodi Twp	17	1	0	1	0
Lyndon Twp	9	1	0	1	0
Manchester Twp	9	0	1	0	1
Northfield Twp	34	0	2	0	2
Pittsfield Twp	232	0	4	0	5
Salem Twp	31	0	1	0	1
Saline Twp	6	0	0	0	0
Scio Twp	136	0	2	0	2
Sharon Twp	11	0	1	0	1
Superior Twp	57	0	0	0	0
Sylvan Twp	30	2	1	2	1
Webster Twp	17	0	0	0	0
York Twp	47	1	1	1	1
Ypsilanti Twp	195	0	1	0	1
TOTAL	997	7	19	7	21
WASHTENAW COUNTY	1,923	8	26	8	30

Crashes Involving Young Drivers

TABLE 25: TRAFFIC CRASHES INVOLVING YOUNG DRIVERS FOR WASHTENAW COUNTY (2015-2019 5-YR TREND)

	2015	2016	2017	2018	2019	5-YR TREND
CRASHES	4,027	4,368	4,164	3,831	3,816	
FATAL CRASHES	8	5	12	5	6	
SERIOUS INJURY CRASHES	24	48	59	46	36	

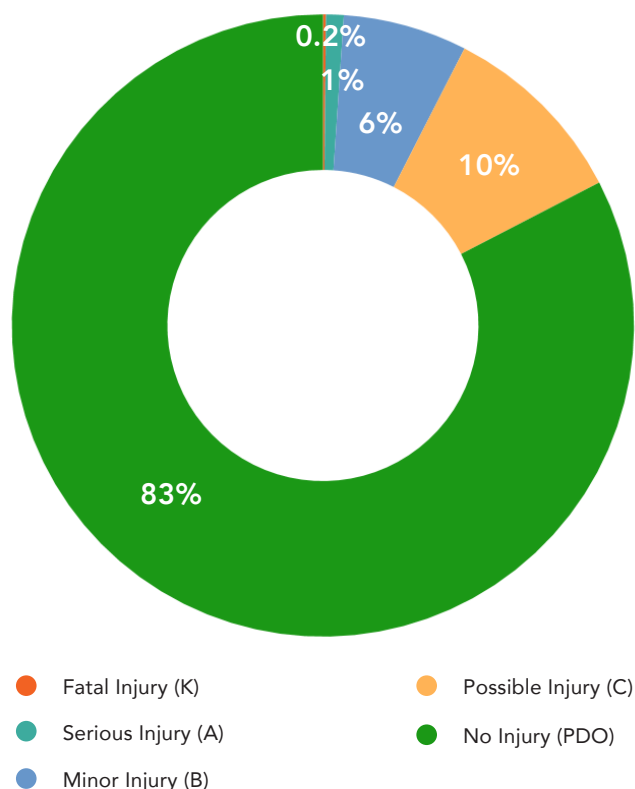
34% of Crashes Involved Young Drivers (2019)

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 2019, crashes involving young drivers were down 5.5% from the previous five year average.
- The number of fatal and serious injury crashes involving young drivers declined 17% from 51 in 2018 to 42 in 2019.
- In 2019, crashes involving young drivers represented 34% of all crashes, 25% of all fatal crashes, and 27% of all serious injury crashes in Washtenaw County.

CHART 14: CRASHES INVOLVING YOUNG DRIVERS BY SEVERITY FOR WASHTENAW COUNTY (2019)



Crashes Involving Young Drivers

TABLE 26: TRAFFIC CRASHES INVOLVING YOUNG DRIVERS BY MUNICIPALITY (2019)

COMMUNITY	CRASHES			PERSONS	
	CRASHES	FATAL CRASHES	SERIOUS INJURY CRASHES	FATALITIES	SERIOUS INJURIES
CITIES AND VILLAGES					
Ann Arbor	1,312	1	10	1	10
Barton Hills	1	0	0	0	0
Chelsea	44	0	0	0	0
Dexter	24	0	0	0	0
Manchester	11	0	0	0	0
Milan	9	0	0	0	0
Saline	69	0	0	0	0
Ypsilanti	364	0	2	0	3
TOTAL	1,834	1	12	1	13
TOWNSHIPS					
Ann Arbor Twp	252	0	4	0	5
Augusta Twp	28	0	1	0	3
Bridgewater Twp	10	0	0	0	0
Dexter Twp	33	0	0	0	0
Freedom Twp	6	0	0	0	0
Lima Twp	43	0	2	0	3
Lodi Twp	31	0	0	0	0
Lyndon Twp	20	0	0	0	0
Manchester Twp	11	0	0	0	0
Northfield Twp	65	1	1	1	1
Pittsfield Twp	495	1	3	1	3
Salem Twp	57	0	1	0	3
Saline Twp	14	0	0	0	0
Scio Twp	136	1	0	1	0
Sharon Twp	10	0	0	0	0
Superior Twp	134	3	1	6	1
Sylvan Twp	53	0	1	0	1
Webster Twp	31	0	0	0	0
York Twp	83	0	1	0	1
Ypsilanti Twp	470	0	9	0	10
TOTAL	1,982	6	24	9	31
WASHTENAW COUNTY	3,816	7	36	10	44

Vehicle Types

TABLE 27: TRAFFIC CRASHES AND VEHICLE TYPE FOR WASHTENAW COUNTY (2015-2019 5-YR TREND)

	2015	2016	2017	2018	2019	5-YR TREND
PASSENGER CAR, SUV, VAN	10,011	10,906	10,709	10,399	10,642	
MOTORCYCLE	108	97	91	70	100	
PICKUP TRUCK	1,458	1,611	1,486	1,460	1,421	
SMALL TRUCK	194	189	111	93	67	
LARGE TRUCK/BUS	521	573	638	669	687	
OTHER / UNKNOWN	466	568	477	437	488	

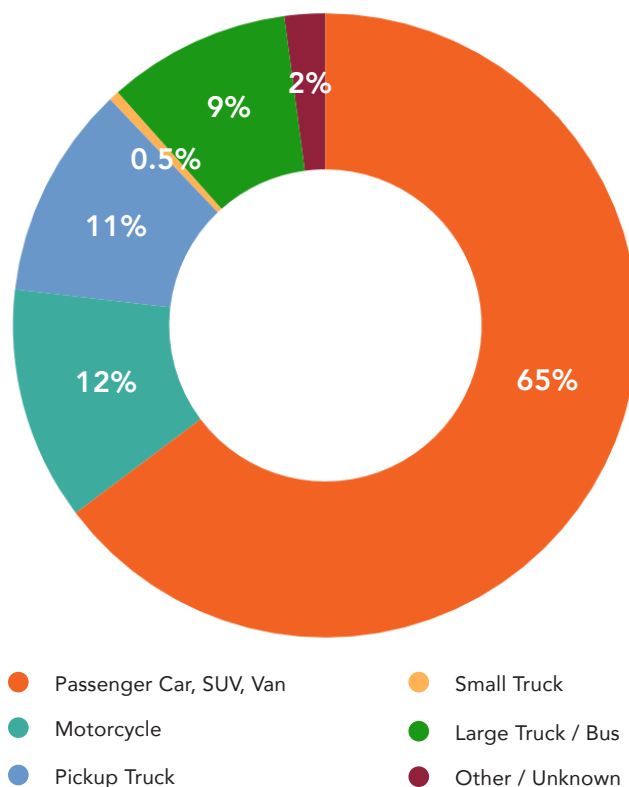
75% of Motorcyclists Involved in Crashes Were Injured (2019)

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.

Key Observations

- Passenger cars, SUVs, and vans represent the majority (79%) of vehicles involved in crashes and the majority (65%) of fatal and serious injury crashes in Washtenaw County.
- In 2019, there were 100 motorcycle crashes in Washtenaw County, with 7 fatalities and 34 serious injuries.
- Motorcycle crashes make up only 0.8% of total crashes but were involved in 12% of fatal and serious injury crashes.

CHART 15: FATALITIES AND SERIOUS INJURIES BY VEHICLE TYPE FOR WASHTENAW COUNTY (2019)



Vehicle Types

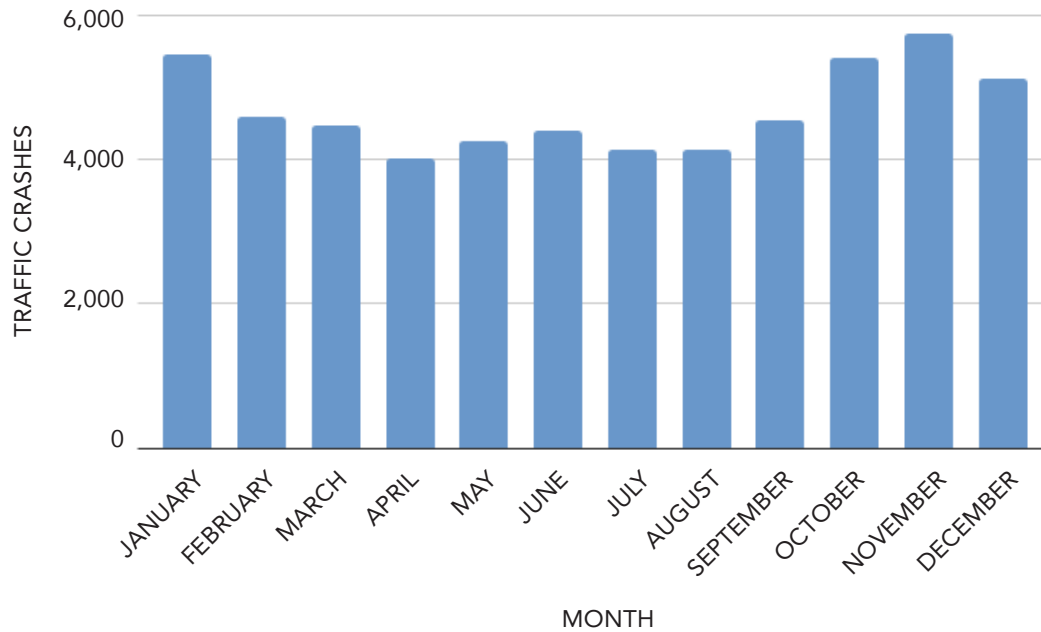
TABLE 28: TRAFFIC CRASHES AND VEHICLE TYPE BY MUNICIPALITY (2019)

COMMUNITY	PASSENGER CAR, SUV, VAN	MOTORCYCLE	PICKUP TRUCK	SMALL TRUCK	LARGE TRUCK/BUS	OTHER / UNKNOWN
CITIES AND VILLAGES						
Ann Arbor	3,539	23	302	20	242	253
Barton Hills	9	0	1	0	1	0
Chelsea	135	2	29	0	9	4
Dexter	77	1	22	0	7	3
Manchester	24	0	7	0	2	0
Milan	37	1	6	0	8	8
Saline	189	0	39	4	12	12
Ypsilanti	816	6	64	9	26	60
TOTAL	4,826	33	470	33	307	340
TOWNSHIPS						
Ann Arbor Twp	681	10	111	3	58	17
Augusta Twp	76	1	14	0	2	5
Bridgewater Twp	49	0	13	0	4	0
Dexter Twp	99	8	27	0	1	3
Freedom Twp	29	1	5	0	1	1
Lima Twp	155	2	21	2	15	5
Lodi Twp	99	1	22	0	3	2
Lyndon Twp	60	1	17	0	1	1
Manchester Twp	58	0	12	0	2	2
Northfield Twp	224	4	51	2	23	11
Pittsfield Twp	1,349	9	161	8	94	46
Salem Twp	172	1	42	1	7	7
Saline Twp	43	0	15	0	2	2
Scio Twp	528	5	97	9	44	18
Sharon Twp	45	0	13	2	2	1
Superior Twp	409	0	66	1	16	13
Sylvan Twp	187	1	33	2	18	9
Webster Twp	115	1	22	0	0	1
York Twp	232	3	44	0	24	5
Ypsilanti Twp	1,206	19	165	4	63	48
TOTAL	5816	67	951	34	380	197
WASHTENAW COUNTY	10642	100	1421	67	687	537

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 (2015-2019)

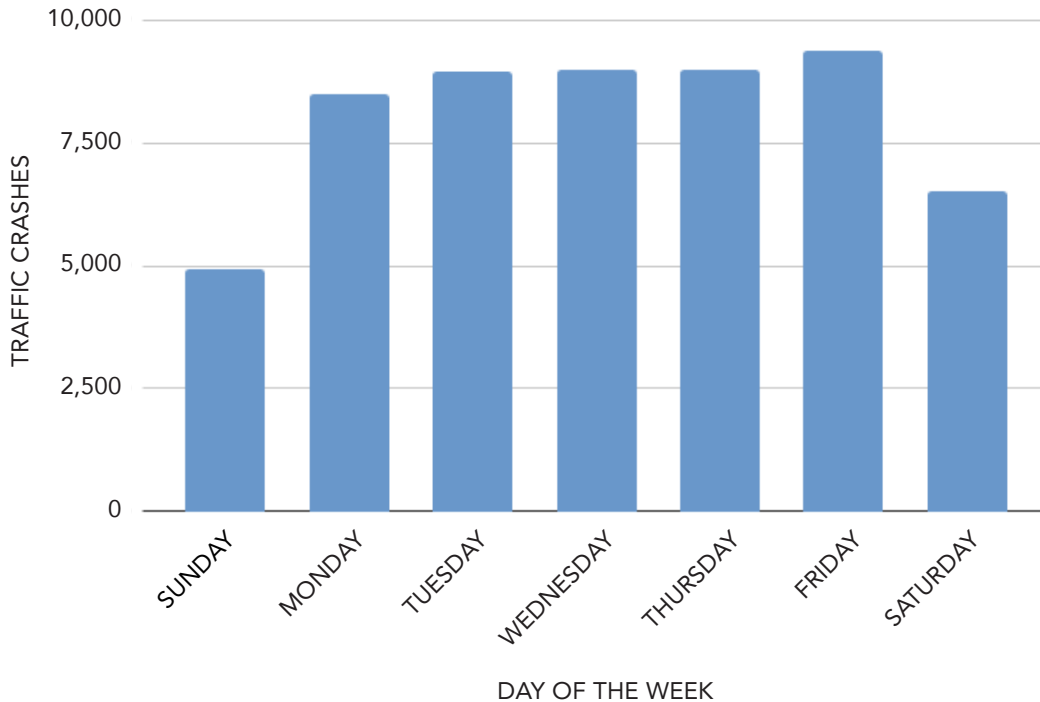


Total crashes increased from October to January and declined in April and August. The majority of fatal crashes occurred in the month of July.



Temporal Variation in Crash Frequency

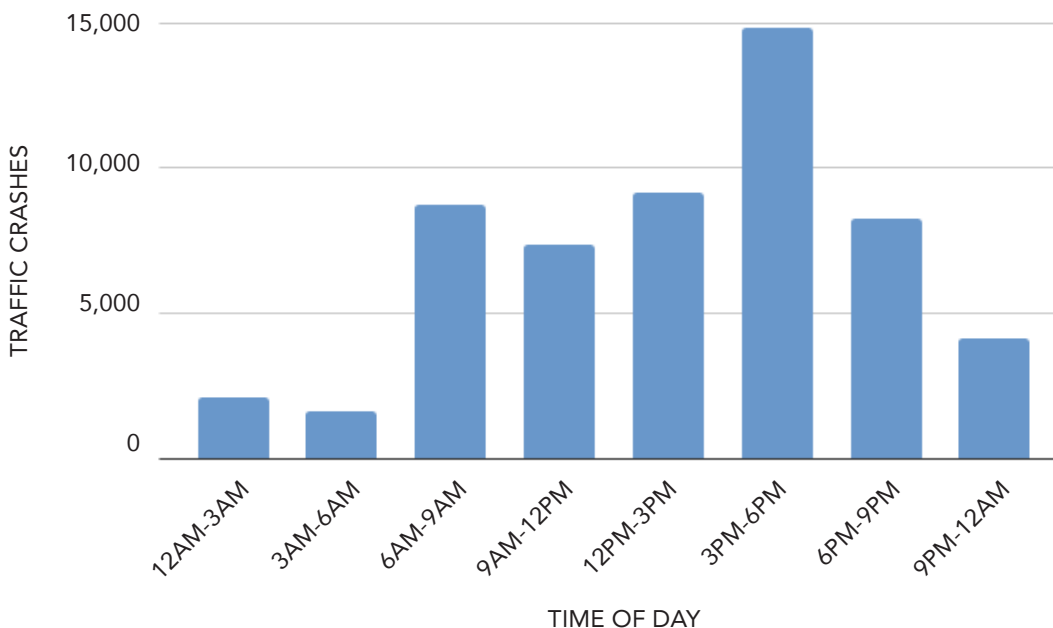
CHART 17: TRAFFIC CRASHES BY DAY OF THE WEEK FOR WASHTENAW COUNTY (2015-2019)



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

26% of All Crashes Occured Between 3PM-6PM (2015-2019)

CHART 18: TRAFFIC CRASHES BY TIME OF DAY FOR WASHTENAW COUNTY (2015-2019)



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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