2021 Traffic Crash Report & 2017-2021 5-Year Crash Trends

for Washtenaw County

WASHTENAW
AREA
TRANSPORTATION
STUDY

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Executive Summary

The Washtenaw Area Tranportation Study (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. 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 2021 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.

8,664 crashes in 2021, increase of 20.9% from 2020

Year	Crashes
2020	7,164
2021	8,664

General Trends

Washtenaw County (NOT including the Monroe County portion of the City of Milan) recorded 8,664 crashes in 2021, an increase of 20.9% from 7,164 in 2020.

While the overall number of reported crashes increased, the severe crash rate, shown in Table 1, decreased by 5.8% from 4.43 (2020) to 4.17 (2021) per 100 million VMT (Vehicle Miles Traveled). VMT increased by 10.1% in 2021 compared to the previous year. The VMT recorded for 2021 is still lower than 2019.

Chart 1 shows the distribution of crash severity throughout reported crashes. In Washtenaw County, 82.1% of the 8,664 reported crashes involved property damage without injuries, 16.2% involved minor or possible injuries, and 1.68%, or 146 crashes, involved serious or fatal injuries.

CHART 1: CRASH SEVERITY FOR WASHTENAW COUNTY (2021)
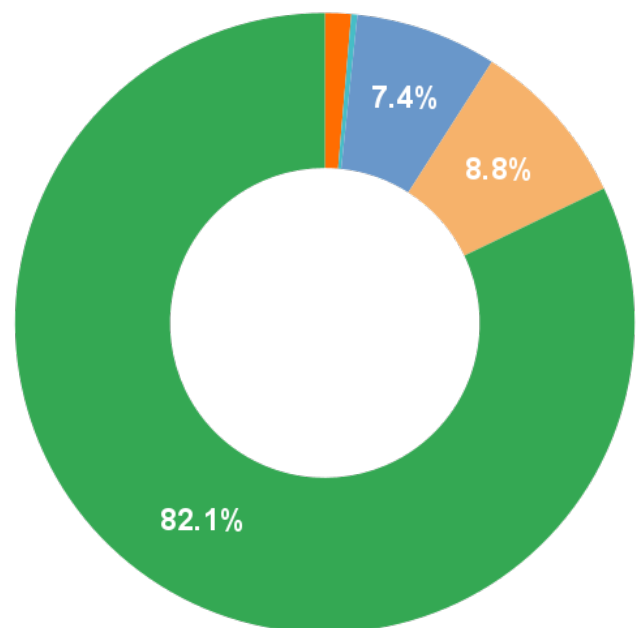
- Serious Injury (A)
- Fatal Injury (K)
- Minor Injury (B)
- Possible Injury (C)
- No Injury (PDO)

7.4%
8.8%
82.1%

Executive Summary

TABLE 1: SEVERE CRASH RATE FOR WASHTENAW COUNTY (2017-2021 5-YR TREND)

	2017	2018	2019	2020	2021	5-YR TREND
FATAL & SERIOUS INJURY CRASHES	184	164	155	141	146	
ANNUAL VMT (100 MILLION)	38.44342	40.49252	39.53349	31.80892	35.02973	
SEVERE CRASH RATE	4.79	4.05	3.92	4.43	4.17	

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 4.17 in 2021, a decrease of 5.8% from 2020

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 NOT included in the muncipality 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.

Southeast Michigan Council of Governments (SEMCOG) also maintains a searchable database of crashes in Southeastern Michigan at http://www.semcog.org/Safety.aspx.

Crash Severity

There were 8,664 total reported crashes in 2021, up 20.9% from 2020. Traffic fatalities increased from 23 in 2020 to 28 in 2021. Serious injury crashes remained the same in 2021 as 2020 at 118.

TABLE 2: TRAFFIC CRASHES AND CRASH SEVERITY FOR WASHTENAW COUNTY (2017-2021 5-YR TREND)

	2017	2018	2019	2020	2021	5-YR TREND
CRASHES	11,331	11,006	11,353	7,164	8,664	
FATAL CRASHES	37	25	24	23	28	
SERIOUS INJURY CRASHES	147	139	131	118	118	

Michigan law enforcement officers' code injury severity, from K-Fatal to Property Damage Only (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.

A	K	B	C	PDO
INCAPACITATING	FATAL	NON-INCAPACITATING	POSSIBLE INJURY	NO INJURY
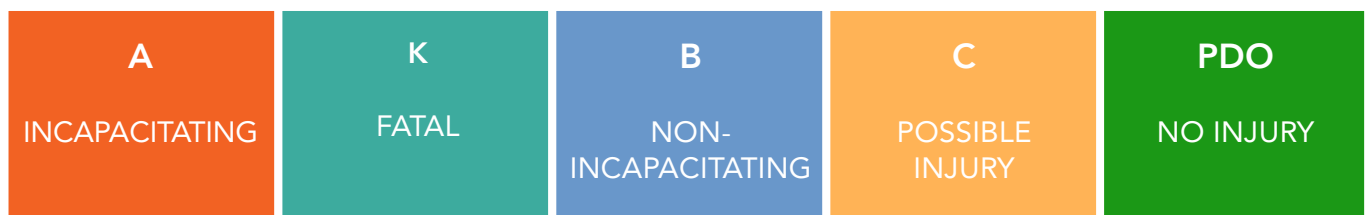
Fatal and Serious Injury Crashes

In 2021, 28 fatal crashes occurred in Washtenaw County resulting in 33 fatalities. The 28 fatal crashes included 3 pedestrians and 1 bicyclist. The highest number of fatal crashes occurred in Ypsilanti Township. Of the 28 reported fatal crashes, 13 crashes involved lane departures (35.7% of fatal crashes) and 13 crashes involved alcohol (35.7% of fatal crashes). Serious Injury crashes include those coded as A-Incapacitating. In 2021, there were 118 reported serious injury crashes resulting in 147 serious injuries. The 118 serious injury crashes included 12 pedestrians and 4 bicyclists. The highest number of serious injury crashes occurred in the City of Ann Arbor, Pittsfield Township and Ypsilanti Township.

28 Fatal Crashes Resulted in 33 Fatalities in Washtenaw County (2021)

Crash Severity

TABLE 3: TRAFFIC CRASHES AND CRASH SEVERITY BY MUNICIPALITY (2021)

COMMUNITY	CRASHES			PERSONS	
	CRASHES	FATAL CRASHES	SERIOUS INJURY CRASHES	FATALITIES	SERIOUS INJURIES
CITIES AND VILLAGES					
Ann Arbor	2,404	5	19	5	20
Barton Hills	0	0	0	0	0
Chelsea	144	0	3	0	4
Dexter	70	0	0	0	0
Manchester	0	0	0	0	0
Milan	44	0	1	0	1
Saline	155	0	1	0	1
Ypsilanti	674	1	11	1	11
TOTAL	**3,491**	**6**	**35**	**6**	**37**
TOWNSHIPS					
Ann Arbor Twp	464	2	6	2	7
Augusta Twp	72	0	1	0	1
Bridgewater Twp	49	0	0	0	0
Dexter Twp	84	0	2	0	2
Freedom Twp	26	0	1	0	1
Lima Twp	219	0	3	0	4
Lodi Twp	100	0	1	0	1
Lyndon Twp	60	1	2	1	2
Manchester Twp	76	0	0	0	0
Northfield Twp	203	1	6	1	9
Pittsfield Twp	1,076	4	14	4	23
Salem Twp	150	1	1	1	1
Saline Twp	57	0	0	0	0
Scio Twp	506	2	6	4	7
Sharon Twp	49	0	0	0	0
Superior Twp	330	2	5	4	8
Sylvan Twp	199	1	1	1	2
Webster Twp	108	0	0	0	0
York Twp	219	0	8	0	9
Ypsilanti Twp	1,126	8	26	9	33
TOTAL	**5,173**	**22**	**83**	**27**	**110**
WASHTENAW COUNTY	**8,664**	**28**	**118**	**33**	**147**

Crash Severity

MAP 1: INJURY CRASH LOCATIONS FOR WASHTENAW COUNTY (2021)
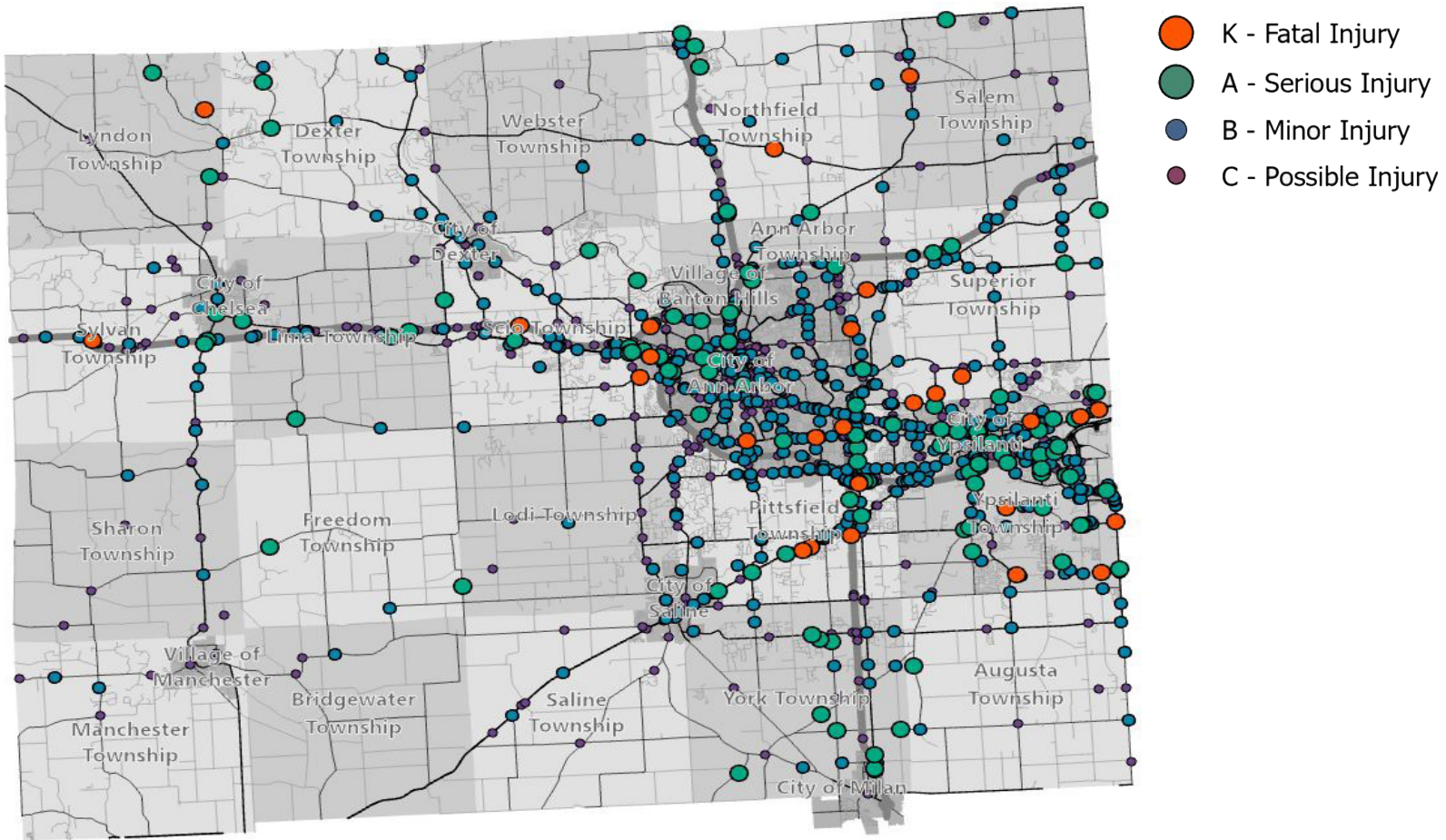
MAP 2: URBAN AREA DETAIL FOR INJURY CRASH LOCATIONS (2021)
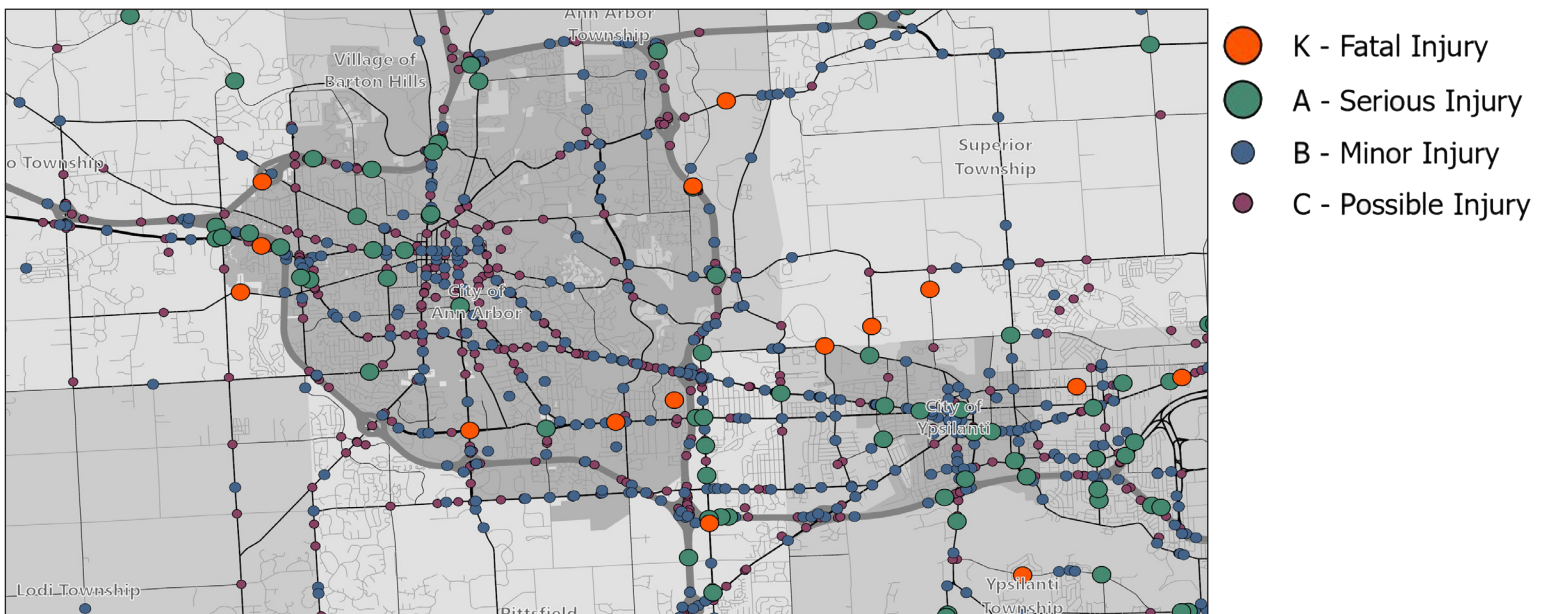
Crash Types

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 which 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 (2017-2021 5-YR TREND)

	2017	2018	2019	2020	2021	5-YR TREND
SINGLE MOTOR VEHICLE	2,903	2,786	3,002	2,524	2,691	
HEAD ON	93	111	113	92	89	
ANGLE OR HEAD ON / LEFT TURN	1,970	1,890	1,927	1,201	1,524	
REAR END	4,008	3,806	3,787	1,865	2,411	
SIDESWIPE	1,692	1,744	1,824	1,062	1,382	
OTHER / UNKNOWN	665	669	700	420	567	

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 31.1% of all crashes in Washtenaw County. Single motor vehicle crashes are also the most severe, making up 32.6% of all traffic fatalities and serious injuries. The second most common type of crash, rear end crashes, made up 27.8% of all crashes.

CHART 2: CRASH TYPE BY PERCENT OF CRASHES FOR WASHTENAW COUNTY (2021)
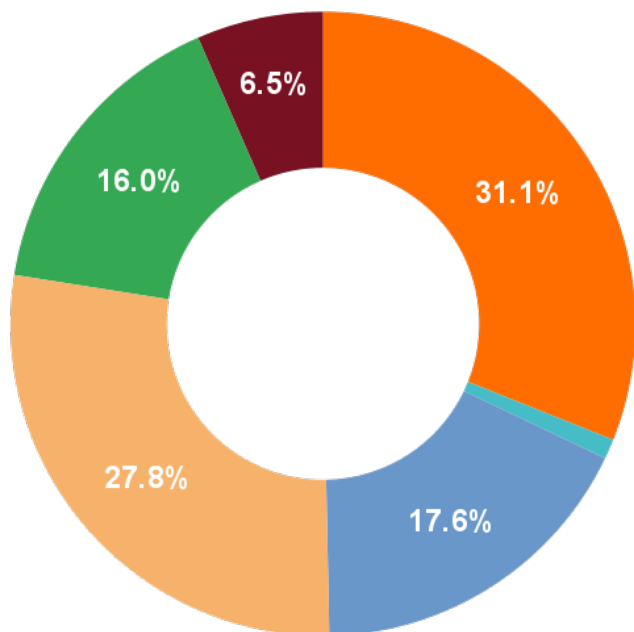
CHART 3: FATALITIES AND SERIOUS INJURIES BY CRASH TYPE FOR WASHTENAW COUNTY (2021)

Chart 2 (left): 31.1%, 17.6%, 27.8%, 16.0%, 6.5%

Chart 3 (right): 32.6%, 11.2%, 28.7%, 15.7%, 9.0%
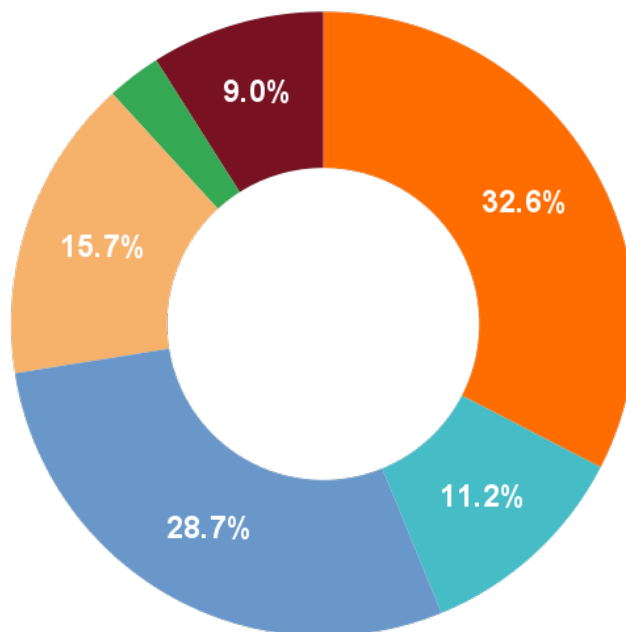
Legend: Single Motor Vehicle · Angle or Head On / Left Turn · Sideswipe · Head On · Rear End · Other / Unknown

Crash Types

TABLE 5: TRAFFIC CRASHES AND CRASH TYPE BY MUNICIPALITY (2021)

COMMUNITY	SINGLE MOTOR VEHICLE	HEAD ON	ANGLE OR HEAD ON / LEFT TURN	REAR END	SIDESWIPE	OTHER / UNKNOWN
CITIES AND VILLAGES						
Ann Arbor	377	21	439	856	500	211
Barton Hills	0	0	0	0	0	0
Chelsea	28	2	37	45	18	14
Dexter	10	0	14	20	14	12
Manchester	0	0	0	0	0	0
Milan	5	0	6	8	18	7
Saline	27	1	38	53	20	16
Ypsilanti	95	9	190	164	145	71
TOTAL	**542**	**33**	**724**	**1,146**	**715**	**331**
TOWNSHIPS						
Ann Arbor Twp	228	3	19	110	78	26
Augusta Twp	73	0	14	12	6	3
Bridgewater Twp	46	0	0	2	0	1
Dexter Twp	51	1	7	14	2	9
Freedom Twp	22	0	0	3	0	1
Lima Twp	120	0	8	51	29	11
Lodi Twp	52	2	19	17	9	1
Lyndon Twp	48	1	1	4	3	3
Manchester Twp	56	0	7	6	2	5
Northfield Twp	129	1	4	39	17	13
Pittsfield Twp	247	15	236	378	171	29
Salem Twp	89	0	17	21	14	9
Saline Twp	34	3	4	7	8	1
Scio Twp	211	4	71	118	76	26
Sharon Twp	40	0	3	2	1	3
Superior Twp	170	4	46	72	30	8
Sylvan Twp	133	0	14	27	19	6
Webster Twp	81	2	9	10	4	2
York Twp	117	1	40	43	17	1
Ypsilanti Twp	238	19	281	329	181	78
TOTAL	**2,149**	**56**	**800**	**1,265**	**667**	**236**
WASHTENAW COUNTY	**2,691**	**89**	**1,524**	**2,411**	**1,382**	**567**

Crashes Involving Lane Departures

TABLE 6: TRAFFIC CRASHES INVOLVING LANE DEPARTURES FOR WASHTENAW COUNTY (2017-2021 5-YR TREND)

	2017	2018	2019	2020	2021	5-YR TREND
CRASHES	1,910	1,758	1,892	1,390	1,634	
FATAL CRASHES	17	14	12	10	13	
SERIOUS INJURY CRASHES	57	60	50	43	38	

46.4% of All Fatal Crashes Involved Lane Departures (2021)

Lane departure crashes are defined as crashes which 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 1,634 lane departure crashes in 2021, up 17.5% from 1,390 in 2020.

- Crashes involving lane departures represented 18.8% of all crashes, 46.4% of all fatal crashes, and 32.2% of all serious injury crashes.

- The highest number of lane departure crashes occurred in the City of Ann Arbor (13.9%) and Ypsilanti Township (14.5%).

CHART 4: CRASHES INVOLVING LANE DEPARTURES BY SEVERITY FOR WASHTENAW COUNTY (2021)

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

77.9% • 8.9% • 10.1%
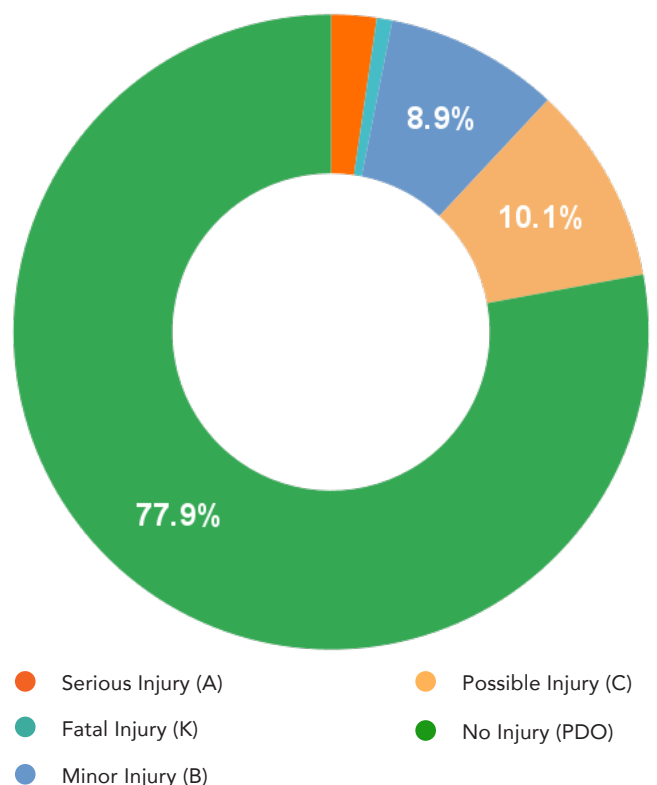
Crashes Involving Lane Departures

TABLE 7: TRAFFIC CRASHES INVOLVING LANE DEPARTURES BY MUNICIPALITY (2021)

COMMUNITY	CRASHES			PERSONS	
	CRASHES	FATAL CRASHES	SERIOUS INJURY CRASHES	FATALITIES	SERIOUS INJURIES
CITIES AND VILLAGES					
Ann Arbor	334	1	3	1	3
Barton Hills	0	0	0	0	0
Chelsea	17	0	1	0	1
Dexter	12	0	0	0	0
Manchester	0	0	0	0	0
Milan	17	0	1	0	1
Saline	20	0	0	0	0
Ypsilanti	99	0	1	0	1
TOTAL	**499**	**1**	**6**	**1**	**6**
TOWNSHIPS					
Ann Arbor Twp	137	0	3	0	3
Augusta Twp	19	0	1	0	1
Bridgewater Twp	13	0	0	0	0
Dexter Twp	23	0	2	0	2
Freedom Twp	5	0	1	0	1
Lima Twp	69	0	0	0	0
Lodi Twp	26	0	1	0	1
Lyndon Twp	25	0	2	0	2
Manchester Twp	19	0	0	0	0
Northfield Twp	58	1	3	1	4
Pittsfield Twp	169	3	4	3	9
Salem Twp	30	0	1	0	1
Saline Twp	15	0	0	0	0
Scio Twp	105	2	3	4	3
Sharon Twp	10	0	0	0	0
Superior Twp	58	1	1	3	3
Sylvan Twp	62	1	0	1	0
Webster Twp	16	0	0	0	0
York Twp	64	0	4	0	4
Ypsilanti Twp	212	4	6	5	6
TOTAL	**1,135**	**12**	**32**	**17**	**40**
WASHTENAW COUNTY	**1,634**	**13**	**38**	**18**	**46**

Crashes Involving Intersections

	2017	2018	2019	2020	2021	5-YR TREND
CRASHES	3,087	2,950	2,952	1,963	2,182	
FATAL CRASHES	7	3	3	2	8	
SERIOUS INJURY CRASHES	48	37	35	34	36	

25.1% of All Crashes Involved Intersections (2021)

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 9.1% from the previous five year average.

- Intersections were involved in 25.1% of all crashes, 28.5% of all fatal crashes, and 30.5% of all serious injury crashes.

- 49.3% of intersection crashes occurred in the City of Ann Arbor and Ypsilanti Township.

CHART 5: CRASHES INVOLVING INTERSECTIONS BY SEVERITY FOR WASHTENAW COUNTY (2021)
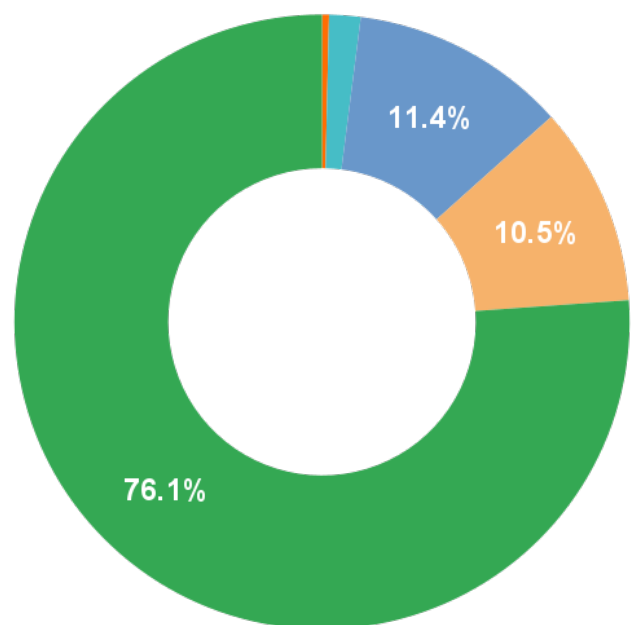
- 11.4%
- 10.5%
- 76.1%

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

TABLE 9: TRAFFIC CRASHES INVOLVING INTERSECTIONS BY MUNICIPALITY (2021)

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 (2021)
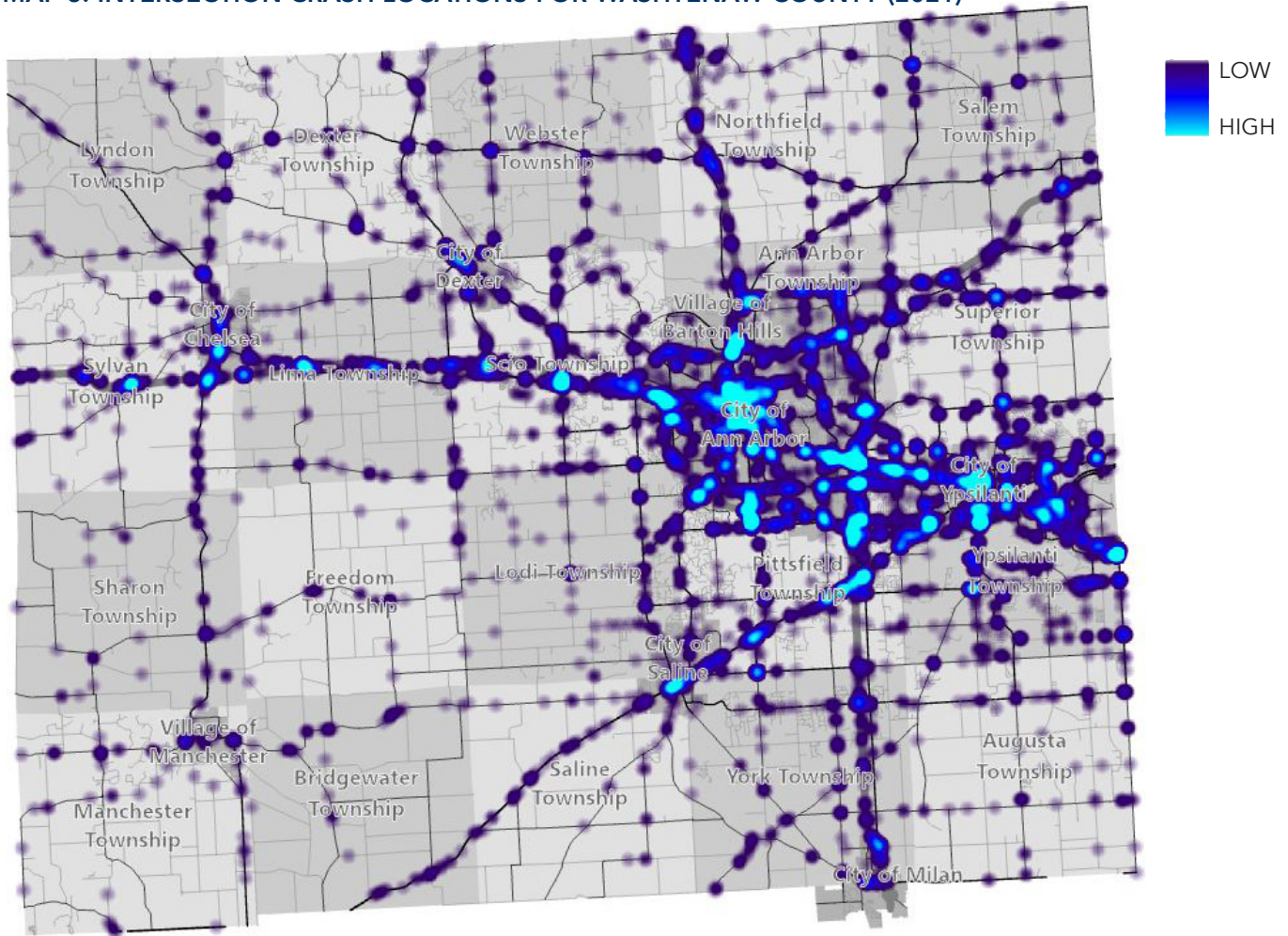
TABLE 10: HIGHEST FREQUENCY INTERSECTION CRASH LOCATIONS RANKED (2021)

Crash ranking locations are based on 150ft from intersection center unless otherwise specified.

RANK	LOCATION	COMMUNITY	CRASHES		
			CRASHES	FATAL CRASHES	SERIOUS INJURY CRASHES
1	State St & Ellsworth Rd *	Ann Arbor	81	0	0
2	Carpenter Rd & Ellsworth Rd	Pittsfield Twp	40	0	0
3	Carpenter Rd/Hogback Rd & Washtenaw Ave	Pittsfield Twp	37	0	0
4	Jackson Rd & Zeeb Rd	Scio Twp	36	0	0
5	Carpenter Rd & Packard St	Pittsfield Twp	31	0	2
5	Washtenaw Ave & Golfside Dr	Pittsfield Twp	31	0	1
7	Carpenter Rd & Michigan Ave	Pittsfield Twp	27	0	0
7	Washtenaw Ave & Hewitt Rd	Ypsilanti	27	0	0
9	Ellsworth Rd & Platt Rd	Ann Arbor	25	0	0
9	Grove St & Rawsonville Rd	Ypsilanti Twp	25	0	0

* Crash intersection location based on 200ft from center of intersection.

Crashes Involving Pedestrians

TABLE 11: TRAFFIC CRASHES INVOLVING PEDESTRIANS FOR WASHTENAW COUNTY (2017-2021 5-YR TREND)

	2017	2018	2019	2020	2021	5-YR TREND
CRASHES	107	111	114	67	79	
FATAL CRASHES	6	3	2	6	3	
SERIOUS INJURY CRASHES	21	17	14	11	12	

92.4% of Crashes Involving Pedestrians Were Injury Crashes (2021)

Key Observations

- Crashes involving pedestrians increased 17.9% from 67 crashes in 2020 to 79 crashes in 2021.

- 18.9% of crashes involving pedestrians were either fatal or serious injury crashes.

- Pedestrians were involved in less than 1% of all crashes, 10.7% of fatal crashes, and 10.1% 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 (2021)

- Serious Injury (A): 15.2%
- Fatal Injury (K)
- Minor Injury (B): 40.5%
- Possible Injury (C): 32.9%
- No Injury (PDO): 7.6%
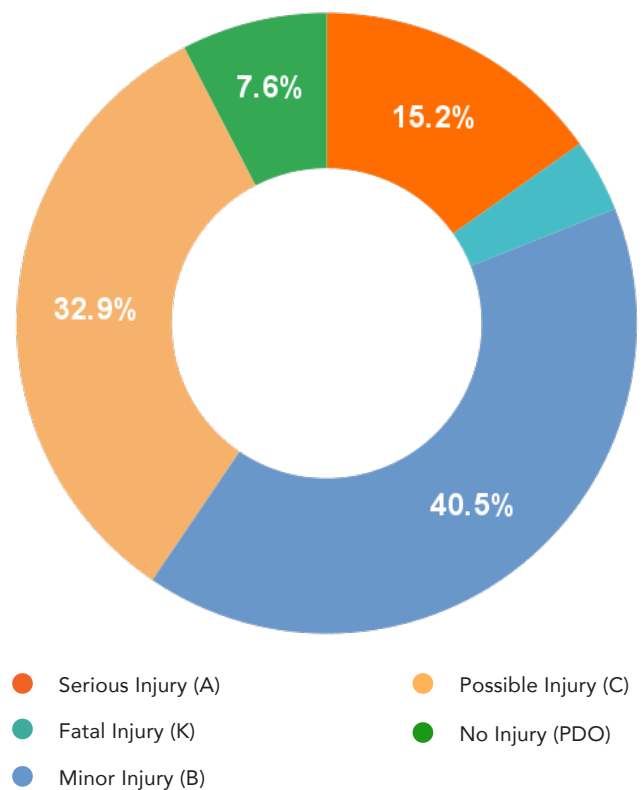
Crashes Involving Pedestrians

TABLE 12: TRAFFIC CRASHES INVOLVING PEDESTRIANS BY MUNICIPALITY (2021)

COMMUNITY	CRASHES			PERSONS	
	CRASHES	FATAL CRASHES	SERIOUS INJURY CRASHES	FATALITIES	SERIOUS INJURIES
CITIES AND VILLAGES					
Ann Arbor	41	2	5	2	5
Barton Hills	0	0	0	0	0
Chelsea	1	0	0	0	0
Dexter	1	0	0	0	0
Manchester	0	0	0	0	0
Milan	0	0	0	0	0
Saline	2	0	0	0	0
Ypsilanti	12	0	1	0	1
TOTAL	**57**	**2**	**6**	**2**	**6**
TOWNSHIPS					
Ann Arbor Twp	1	0	1	0	1
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	0	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	2	1	0	1	0
Saline Twp	0	0	0	0	0
Scio Twp	5	0	2	0	2
Sharon Twp	0	0	0	0	0
Superior Twp	0	0	0	0	0
Sylvan Twp	2	0	0	0	0
Webster Twp	0	0	0	0	0
York Twp	0	0	0	0	0
Ypsilanti Twp	9	0	2	0	2
TOTAL	**22**	**1**	**6**	**1**	**6**
WASHTENAW COUNTY	**79**	**3**	**12**	**3**	**12**

Crashes Involving Pedestrians

MAP 4: PEDESTRIAN CRASH LOCATIONS FOR WASHTENAW COUNTY (2021)
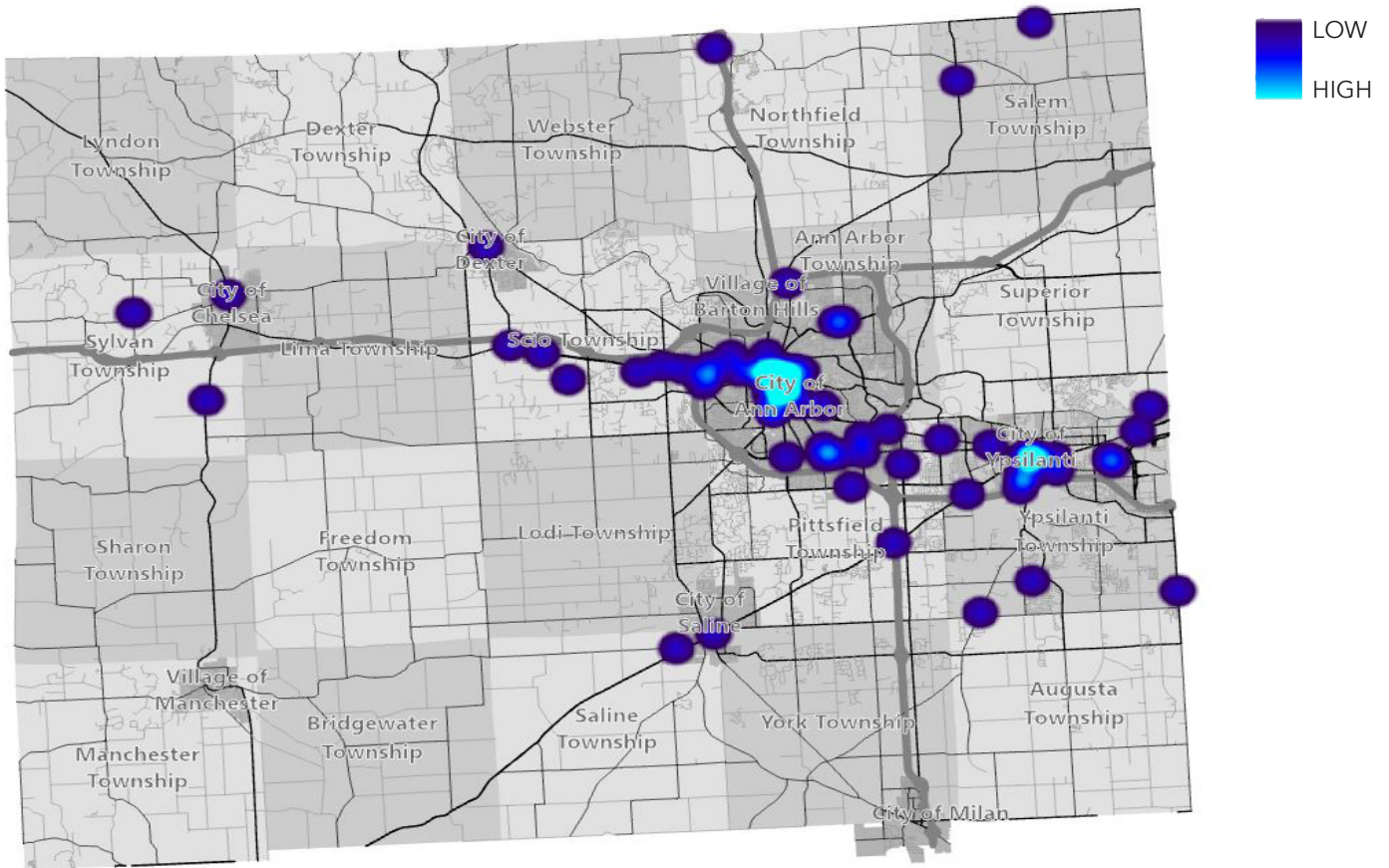
MAP 5: URBAN AREA DETAIL FOR PEDESTRIAN CRASH LOCATIONS (2021)
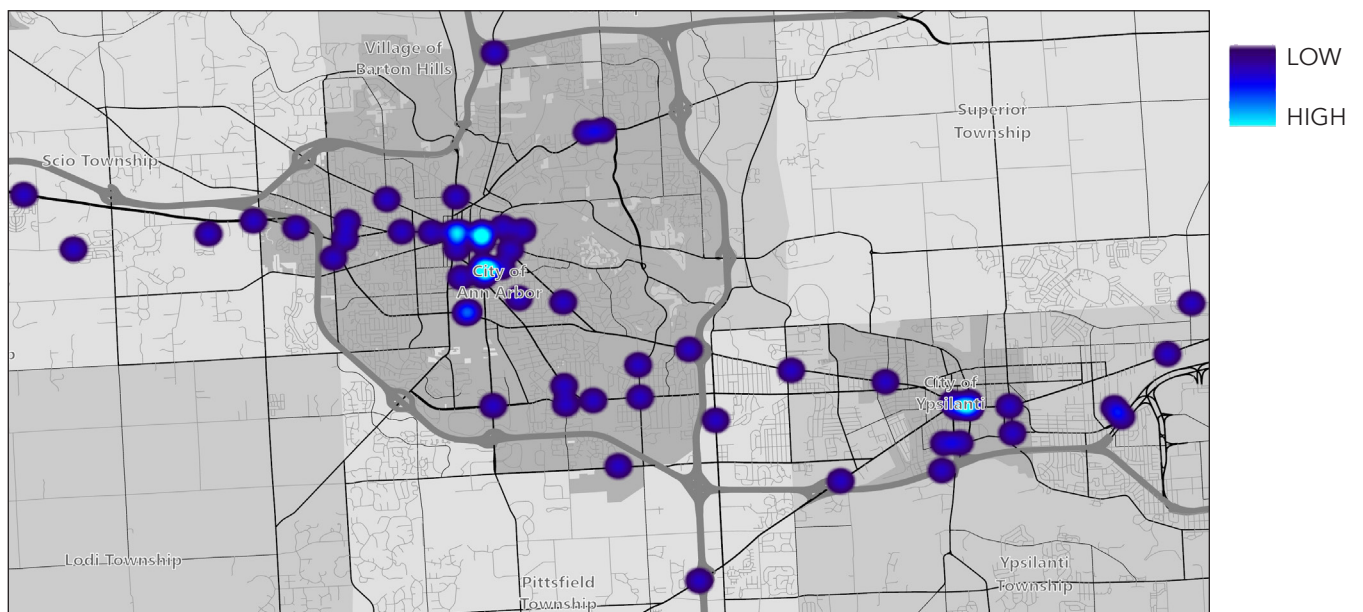
Crashes Involving Bicyclists

TABLE 13: TRAFFIC CRASHES INVOLVING BICYCLISTS FOR WASHTENAW COUNTY (2017-2021 5-YR TREND)

	2017	2018	2019	2020	2021	5-YR TREND
CRASHES	88	77	87	59	62	
FATAL CRASHES	1	2	0	2	1	
SERIOUS INJURY CRASHES	6	4	7	6	4	

80.6% of Crashes Involving Bicyclists Were Injury Crashes (2021)

Key Observations

- Crashes involving bicyclists were up less than 1%, from 59 crashes in 2020 to 62 crashes in 2021.

- The majority (50%) of crashes involving bicyclists were minor injury crashes. There were 4 serious injury crashes and 1 fatal crashes.

- Bicyclists were involved in less than 1% of all crashes and 3.3% of all serious injury crashes in Washtenaw County.

- The City of Ann Arbor and the City of Ypsilanti 77.4% of crashes involving bicyclists.

CHART 7: CRASHES INVOLVING BICYCLISTS BY SEVERITY FOR WASHTENAW COUNTY (2021)

- Serious Injury (A): 6.5%
- Fatal Injury (K)
- Minor Injury (B): 50.0%
- Possible Injury (C): 22.6%
- No Injury (PDO): 19.4%
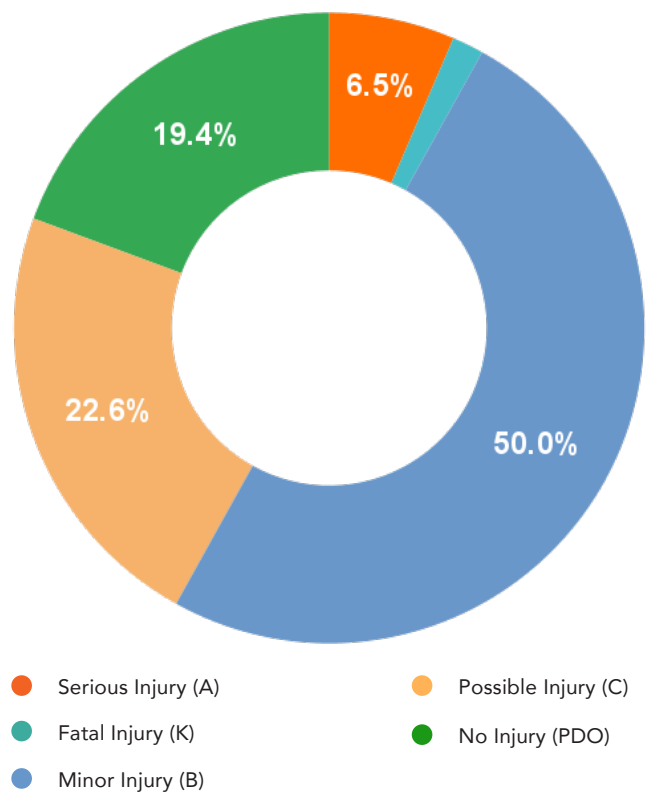
Crashes Involving Bicyclists

TABLE 14: TRAFFIC CRASHES INVOLVING BICYCLISTS BY MUNICIPALITY (2021)

COMMUNITY	CRASHES			PERSONS	
	CRASHES	FATAL CRASHES	SERIOUS INJURY CRASHES	FATALITIES	SERIOUS INJURIES
CITIES AND VILLAGES					
Ann Arbor	41	0	3	0	3
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	0	0	0	0	0
Ypsilanti	7	0	0	0	0
TOTAL	**49**	**0**	**3**	**0**	**3**
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	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	0	0	0	0	0
Manchester Twp	0	0	0	0	0
Northfield Twp	0	0	0	0	0
Pittsfield Twp	5	1	0	1	0
Salem Twp	1	0	0	0	0
Saline Twp	0	0	0	0	0
Scio Twp	0	0	0	0	0
Sharon Twp	0	0	0	0	0
Superior Twp	1	0	0	0	0
Sylvan Twp	1	0	0	0	0
Webster Twp	0	0	0	0	0
York Twp	1	0	1	0	1
Ypsilanti Twp	3	0	0	0	0
TOTAL	**13**	**1**	**1**	**1**	**1**
WASHTENAW COUNTY	**62**	**1**	**4**	**1**	**4**

Crashes Involving Bicyclists

MAP 6: CRASH LOCATIONS INVOLVING BICYCLISTS FOR WASHTENAW COUNTY (2021)
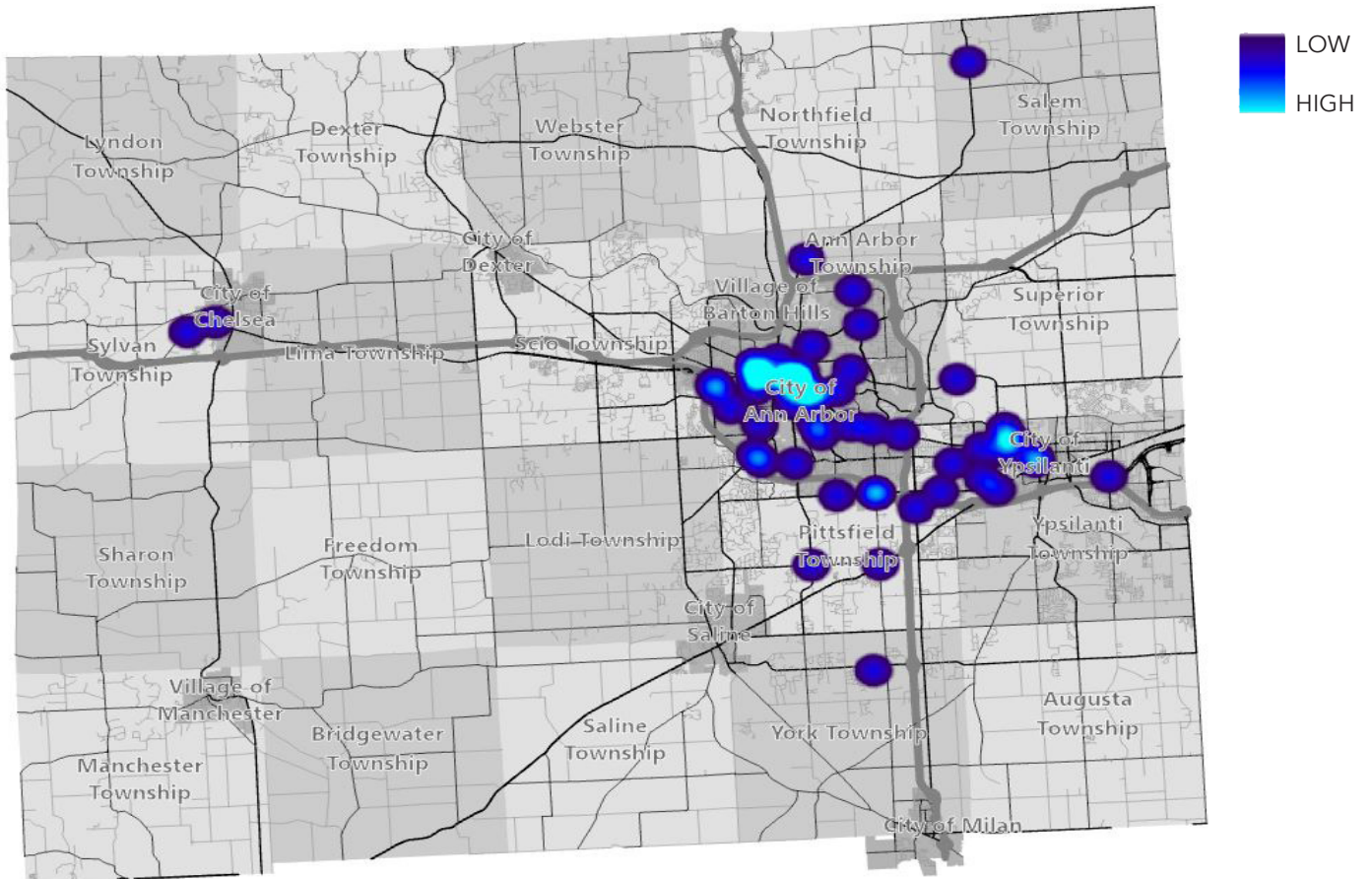
MAP 7: URBAN AREA DETAIL FOR CRASHES INVOLVING BICYCLISTS (2021)

Crashes Involving Alcohol

	2017	2018	2019	2020	2021	5-YR TREND
CRASHES	341	281	307	270	291	
FATAL CRASHES	17	7	7	5	13	
SERIOUS INJURY CRASHES	25	32	24	23	9	

8.4% of All Injury Crashes Involved Alcohol (2021)

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

Key Observations

- In 2021, 46.4% of all fatal crashes involved alcohol and 7.6% of all serious injury crashes involved alcohol.

- The number of crashes involving alcohol increased 7.2% from 270 in 2020 to 291 in 2021.

- 21.9% of all crashes involving alcohol occurred in the City of Ann Arbor and 20.9% occurred in Ypsilanti Township.

CHART 8: CRASHES INVOLVING ALCOHOL BY SEVERITY FOR WASHTENAW COUNTY (2021)

19.6%
17.9%
55.0%

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

Crashes Involving Alcohol

TABLE 16: TRAFFIC CRASHES INVOLVING ALCOHOL BY MUNICIPALITY (2021)

COMMUNITY	CRASHES			PERSONS	
	CRASHES	FATAL CRASHES	SERIOUS INJURY CRASHES	FATALITIES	SERIOUS INJURIES
CITIES AND VILLAGES					
Ann Arbor	64	0	0	0	0
Barton Hills	0	0	0	0	0
Chelsea	2	0	0	0	0
Dexter	0	0	0	0	0
Manchester	0	0	0	0	0
Milan	2	0	0	0	0
Saline	3	0	0	0	0
Ypsilanti	34	0	1	0	1
TOTAL	**105**	**0**	**1**	**0**	**1**
TOWNSHIPS					
Ann Arbor Twp	12	1	0	1	0
Augusta Twp	6	0	0	0	0
Bridgewater Twp	1	0	0	0	0
Dexter Twp	1	0	0	0	0
Freedom Twp	1	0	0	0	0
Lima Twp	10	0	0	0	0
Lodi Twp	1	0	0	0	0
Lyndon Twp	4	1	0	1	0
Manchester Twp	0	0	0	0	0
Northfield Twp	10	0	1	0	1
Pittsfield Twp	33	2	2	2	3
Salem Twp	8	1	1	1	1
Saline Twp	1	0	0	0	0
Scio Twp	13	1	1	2	2
Sharon Twp	2	0	0	0	0
Superior Twp	5	1	0	1	0
Sylvan Twp	6	1	0	1	0
Webster Twp	1	0	0	0	0
York Twp	10	0	2	0	2
Ypsilanti Twp	61	5	1	5	1
TOTAL	**186**	**13**	**8**	**14**	**10**
WASHTENAW COUNTY	**291**	**13**	**9**	**14**	**11**

Crashes Involving Drugs

TABLE 17: TRAFFIC CRASHES INVOLVING DRUGS FOR WASHTENAW COUNTY (2017-2021 5-YR TREND)

	2017	2018	2019	2020	2021	5-YR TREND
CRASHES	114	82	115	114	129	
FATAL CRASHES	15	5	4	11	6	
SERIOUS INJURY CRASHES	16	8	13	7	8	

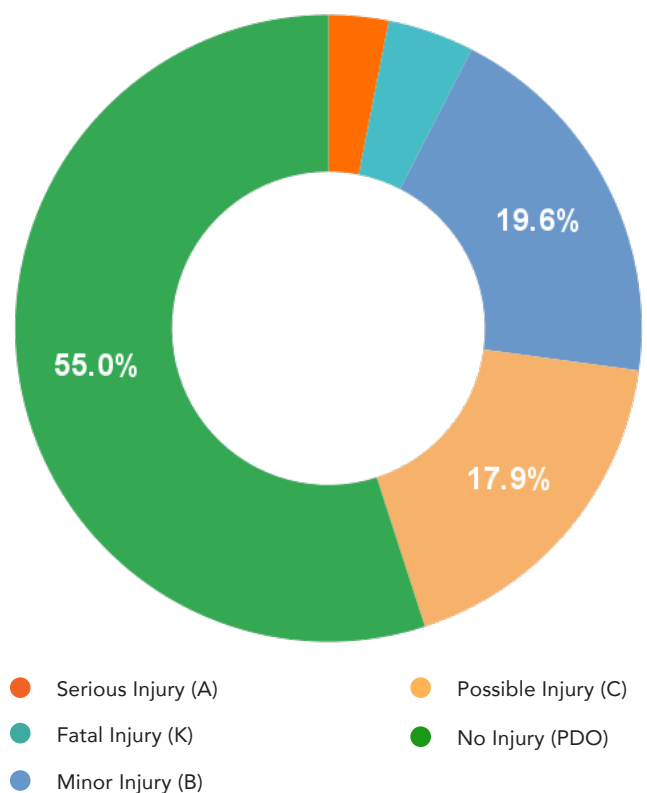* Michigan voted to legalize recreational marijuana use in late 2018.

4.9% of All Injury Crashes Involed Drugs (2021)

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

Key Observations

- There were 129 crashes involving drugs in 2021, up 13.1% from 114 crashes in 2020, and up 4.7% from the previous five year average.

- In 2021, crashes involving drugs accounted for 1.4% of all crashes, 21.4% of fatal crashes, and 6.7% of serious injury crashes in Washtenaw County.

- 10.8% of crashes involving drugs were fatal or serious injury crashes.

CHART 9: CRASHES INVOLVING DRUGS BY SEVERITY FOR WASHTENAW COUNTY (2021)

- 6.2%
- 31.8%
- 16.3%
- 41.1%

- 🟠 Serious Injury (A)
- 🟢 Fatal Injury (K)
- 🔵 Minor Injury (B)
- 🟠 Possible Injury (C)
- 🟢 No Injury (PDO)
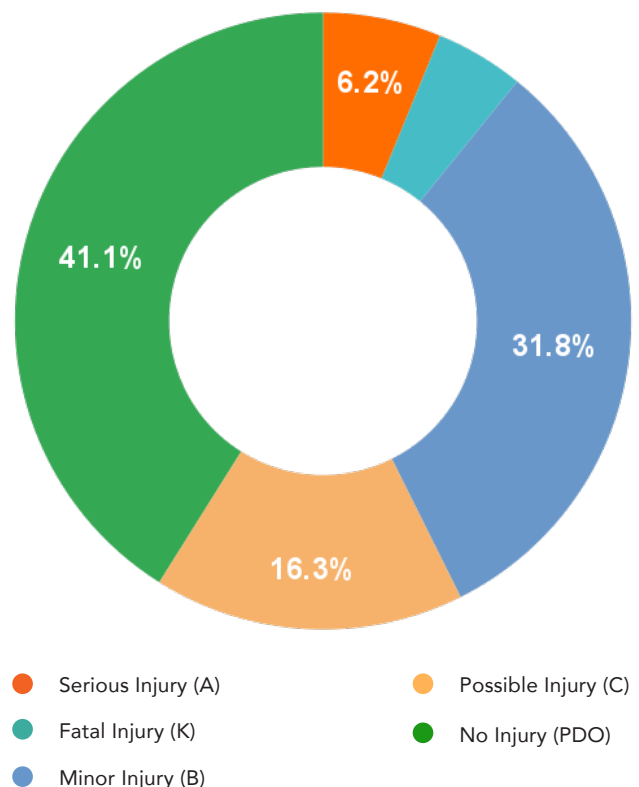
Crashes Involving Drugs

TABLE 18: TRAFFIC CRASHES INVOLVING DRUGS BY MUNICIPALITY (2021)

COMMUNITY	CRASHES			PERSONS	
	CRASHES	FATAL CRASHES	SERIOUS INJURY CRASHES	FATALITIES	SERIOUS INJURIES
CITIES AND VILLAGES					
Ann Arbor	20	2	0	3	0
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	4	0	0	0	0
Ypsilanti	21	0	0	0	0
TOTAL	**46**	**2**	**0**	**3**	**0**
TOWNSHIPS					
Ann Arbor Twp	3	0	1	0	1
Augusta Twp	4	0	0	0	0
Bridgewater Twp	1	0	0	0	0
Dexter Twp	1	0	0	0	0
Freedom Twp	0	0	0	0	0
Lima Twp	5	0	0	0	0
Lodi Twp	0	0	0	0	0
Lyndon Twp	1	0	0	0	0
Manchester Twp	1	0	0	0	0
Northfield Twp	5	0	1	0	2
Pittsfield Twp	15	2	3	3	10
Salem Twp	1	0	0	0	0
Saline Twp	0	0	0	0	0
Scio Twp	3	0	0	0	0
Sharon Twp	1	0	0	0	0
Superior Twp	4	1	0	2	0
Sylvan Twp	2	0	0	0	0
Webster Twp	1	0	0	0	0
York Twp	5	0	1	0	1
Ypsilanti Twp	30	1	2	3	5
TOTAL	**83**	**4**	**8**	**8**	**19**
WASHTENAW COUNTY	**129**	**6**	**8**	**11**	**19**

Crashes Involving Deer

There were 1,088 crashes involving deer in 2021. Of the deer crashes, 1,057 were single motor vehicle crashes, which accounts for 39.2% of all single-vehicle crashes.

TABLE 19: TRAFFIC CRASHES INVOLVING DEER FOR WASHTENAW COUNTY (2017-2021 5-YR TREND)

	2017	2018	2019	2020	2021	5-YR TREND
CRASHES	962	1,003	1,106	1,068	1,080	
FATAL CRASHES	1	0	0	0	0	
SERIOUS INJURY CRASHES	2	1	2	3	2	

39.2% of Single Motor Vehicle Crashes Involved Deer (2021)

Crashes Involving Deer

TABLE 20: TRAFFIC CRASHES INVOLVING DEER BY MUNICIPALITY (2021)

COMMUNITY	CRASHES			PERSONS	
	CRASHES	FATAL CRASHES	SERIOUS INJURY CRASHES	FATALITIES	SERIOUS INJURIES
CITIES AND VILLAGES					
Ann Arbor	74	0	0	0	0
Barton Hills	0	0	0	0	0
Chelsea	19	0	0	0	0
Dexter	6	0	0	0	0
Manchester	0	0	0	0	0
Milan	0	0	0	0	0
Saline	15	0	0	0	0
Ypsilanti	11	0	0	0	0
TOTAL	**125**	**0**	**0**	**0**	**0**
TOWNSHIPS					
Ann Arbor Twp	81	0	1	0	2
Augusta Twp	16	0	0	0	0
Bridgewater Twp	33	0	0	0	0
Dexter Twp	32	0	0	0	0
Freedom Twp	17	0	0	0	0
Lima Twp	44	0	0	0	0
Lodi Twp	34	0	0	0	0
Lyndon Twp	25	0	0	0	0
Manchester Twp	37	0	0	0	0
Northfield Twp	66	0	0	0	0
Pittsfield Twp	59	0	0	0	0
Salem Twp	52	0	0	0	0
Saline Twp	25	0	0	0	0
Scio Twp	103	0	1	0	2
Sharon Twp	28	0	0	0	0
Superior Twp	106	0	0	0	0
Sylvan Twp	59	0	0	0	0
Webster Twp	62	0	0	0	0
York Twp	43	0	0	0	0
Ypsilanti Twp	36	0	0	0	0
TOTAL	**955**	**0**	**2**	**0**	**4**
WASHTENAW COUNTY	**1,080**	**0**	**2**	**0**	**4**

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.

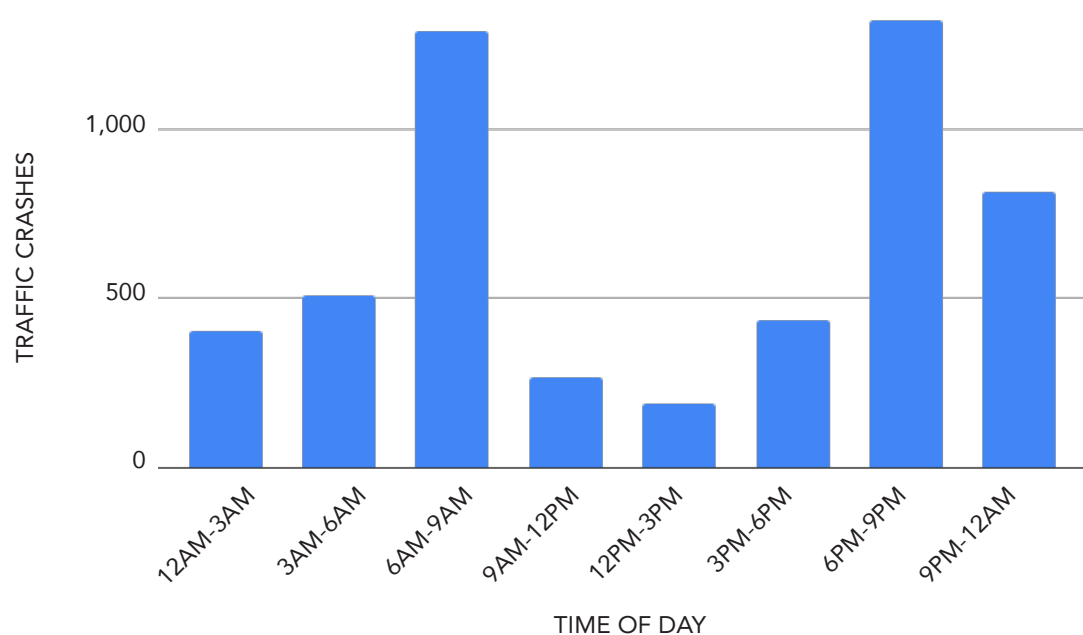**CHART 10: TRAFFIC CRASHES INVOLVING DEER BY MONTH FOR WASHTENAW COUNTY (2017-2021)**
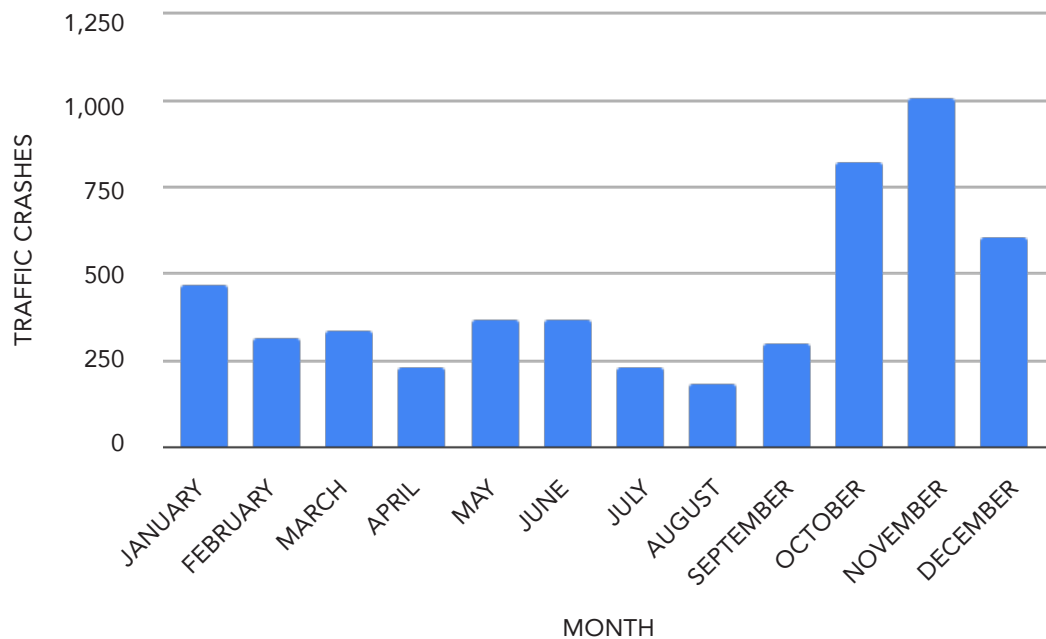
More than 35% of annual deer crashes occurred during the months of October and November.

19.3% of Deer Crashes Occurred in November (2017-2021)

CHART 11: TRAFFIC CRASHES INVOLVING DEER BY TIME OF DAY FOR WASHTENAW COUNTY (2017-2021)

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

Crashes Involving a "Hazardous Action" of "Speed Too Fast"

TABLE 21: TRAFFIC CRASHES WITH A "HAZARDOUS ACTION" OF "SPEED TOO FAST" FOR WASHTENAW COUNTY (2017-2021 5-YR TREND)

	2017	2018	2019	2020	2021	5-YR TREND
CRASHES	1,133	1,141	1183	776	807	
FATAL CRASHES	5	2	5	4	3	
SERIOUS INJURY CRASHES	17	16	22	12	16	

10.7% of Fatal Crashes have a "Hazardous Action" of "Speed Too Fast" (2021)

Key Observations

- In 2021, crashes which had a "hazardous action" of "speed too fast" were down 3.7% from the previous five year average.

- In 2021, fatal and serious injury crashes which had a "hazardous action" of "speed too fast" increased 18.7% from 16 in 2020 to 19 in 2021.

- For 9.3% of all crashes 10.7% of fatal, and 13.5% of serious injury crashes in Washtenaw County, the "hazardous action" was marked as"speed too fast".

CHART 12: CRASHES INVOLVING A "HAZARDOUS ACTION" OF "SPEED TOO FAST" BY SEVERITY FOR WASHTENAW COUNTY (2021)
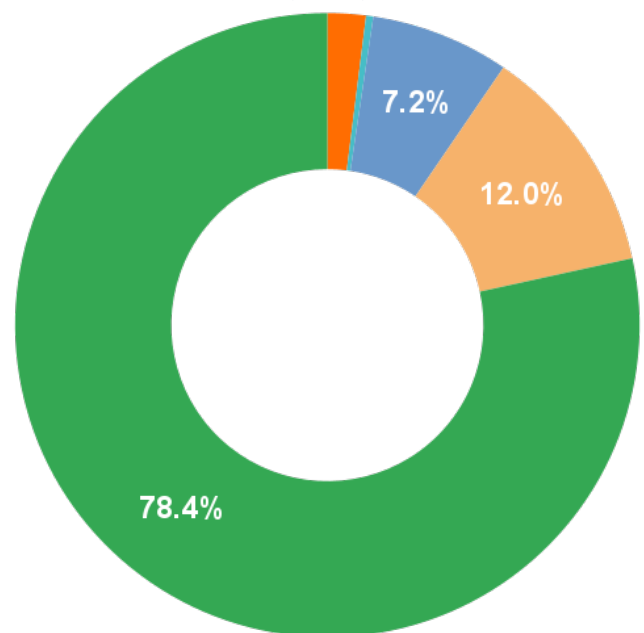
- Serious Injury (A)
- Fatal Injury (K)
- Minor Injury (B)
- Possible Injury (C)
- No Injury (PDO)

7.2%
12.0%
78.4%

Crashes Involving Speeding Too Fast

TABLE 22: TRAFFIC CRASHES INVOLVING A "HAZARDOUS ACTION" OF "SPEED TOO FAST" BY MUNICIPALITY (2021)

COMMUNITY	CRASHES			PERSONS	
	CRASHES	FATAL CRASHES	SERIOUS INJURY CRASHES	FATALITIES	SERIOUS INJURIES
CITIES AND VILLAGES					
Ann Arbor	134	0	0	0	0
Barton Hills	0	0	0	0	0
Chelsea	1	0	0	0	0
Dexter	2	0	0	0	0
Manchester	0	0	0	0	0
Milan	3	0	0	0	0
Saline	4	0	0	0	0
Ypsilanti	23	0	0	0	0
TOTAL	**167**	**0**	**0**	**0**	**0**
TOWNSHIPS					
Ann Arbor Twp	102	0	2	0	2
Augusta Twp	4	0	0	0	0
Bridgewater Twp	8	0	0	0	0
Dexter Twp	13	0	1	0	1
Freedom Twp	2	0	0	0	0
Lima Twp	36	0	0	0	0
Lodi Twp	13	0	1	0	1
Lyndon Twp	12	0	2	0	2
Manchester Twp	8	0	0	0	0
Northfield Twp	39	0	1	0	2
Pittsfield Twp	93	0	1	0	1
Salem Twp	18	0	0	0	0
Saline Twp	9	0	0	0	0
Scio Twp	51	1	1	2	1
Sharon Twp	5	0	0	0	0
Superior Twp	37	1	2	3	3
Sylvan Twp	47	0	0	0	0
Webster Twp	6	0	0	0	0
York Twp	39	0	2	0	2
Ypsilanti Twp	98	1	3	1	3
TOTAL	**640**	**3**	**16**	**6**	**18**
WASHTENAW COUNTY	**807**	**3**	**16**	**6**	**18**

Crashes Involving Older Drivers

TABLE 23: TRAFFIC CRASHES INVOLVING OLDER DRIVERS FOR WASHTENAW COUNTY (2017-2021 5-YR TREND)

|	2017	2018	2019	2020	2021	5-YR TREND
CRASHES	1,723	1,747	1,923	1,080	1,459	
FATAL CRASHES	10	6	8	4	3	
SERIOUS INJURY CRASHES	24	31	26	16	20	

10.7% of Fatal Crashes Involved Older Drivers (2021)

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 35% from 1,080 in 2020 to 1,459 in 2021.

- The number of fatal and serious injury crashes involving older drivers increased 15% from 20 in 2020 to 23 in 2021.

- In 2021, crashes involving older drivers represented 16.8% of all crashes, 10.7% of all fatal crashes, and 16.9% of all serious injury crashes in Washtenaw County.

CHART 13: CRASHES INVOLVING OLDER DRIVERS BY SEVERITY FOR WASHTENAW COUNTY (2021)
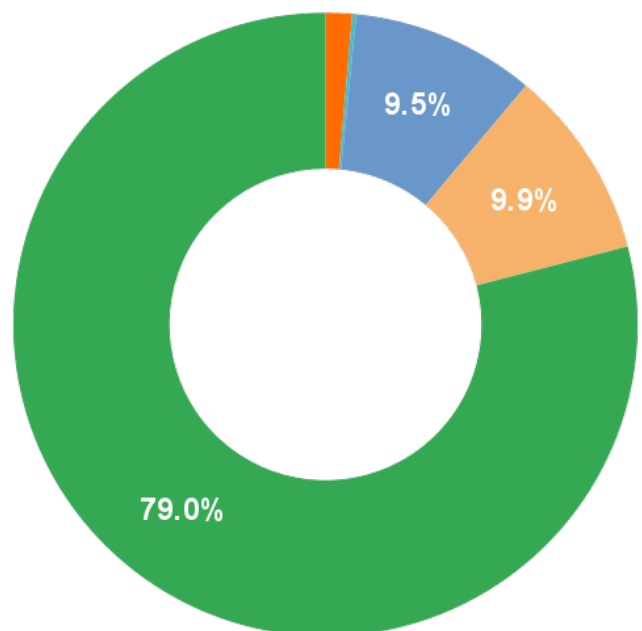
- 9.5%
- 9.9%
- 79.0%

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

Crashes Involving Older Drivers

TABLE 24: TRAFFIC CRASHES INVOLVING OLDER DRIVERS BY MUNICIPALITY (2021)

COMMUNITY	CRASHES			PERSONS	
	CRASHES	FATAL CRASHES	SERIOUS INJURY CRASHES	FATALITIES	SERIOUS INJURIES
CITIES AND VILLAGES					
Ann Arbor	418	1	4	1	4
Barton Hills	0	0	0	0	0
Chelsea	45	0	0	0	0
Dexter	20	0	0	0	0
Manchester	0	0	0	0	0
Milan	9	0	0	0	0
Saline	38	0	1	0	1
Ypsilanti	107	1	3	1	3
TOTAL	**637**	**2**	**8**	**2**	**8**
TOWNSHIPS					
Ann Arbor Twp	59	1	0	2	0
Augusta Twp	10	0	0	0	0
Bridgewater Twp	4	0	0	0	0
Dexter Twp	13	0	0	0	0
Freedom Twp	2	0	0	0	0
Lima Twp	29	0	3	0	4
Lodi Twp	23	0	0	0	0
Lyndon Twp	11	0	0	0	0
Manchester Twp	14	0	0	0	0
Northfield Twp	21	0	1	0	3
Pittsfield Twp	195	0	3	0	5
Salem Twp	26	0	0	0	0
Saline Twp	7	0	0	0	0
Scio Twp	93	0	0	0	0
Sharon Twp	5	0	0	0	0
Superior Twp	49	0	2	0	2
Sylvan Twp	22	0	0	0	0
Webster Twp	19	0	0	0	0
York Twp	31	0	1	0	2
Ypsilanti Twp	189	0	2	0	2
TOTAL	**822**	**1**	**12**	**2**	**18**
WASHTENAW COUNTY	**1,459**	**3**	**20**	**4**	**26**

Crashes Involving Young Drivers

TABLE 25: TRAFFIC CRASHES INVOLVING YOUNG DRIVERS FOR WASHTENAW COUNTY (2017-2021 5-YR TREND)

|	2017	2018	2019	2020	2021	5-YR TREND
CRASHES	4,164	3,831	3,816	2,299	2,996	
FATAL CRASHES	12	5	6	5	9	
SERIOUS INJURY CRASHES	59	46	36	39	45	

34.5% of Crashes Involved Young Drivers (2021)

Crashes involving young drivers are defined as those with drivers age 16-24 years old. As the number of people age 16-24 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 2021, crashes involving young drivers were up 30.3% from the previous year.

- The number of fatal and serious injury crashes involving young drivers increased 22.7% from 44 in 2020 to 54 in 2021.

- In 2021, crashes involving young drivers represented 34.5% of all crashes, 32.1% of all fatal crashes, and 38.1% of all serious injury crashes in Washtenaw County.

CHART 14: CRASHES INVOLVING YOUNG DRIVERS BY SEVERITY FOR WASHTENAW COUNTY (2021)

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

8.8%
9.3%
80.1%
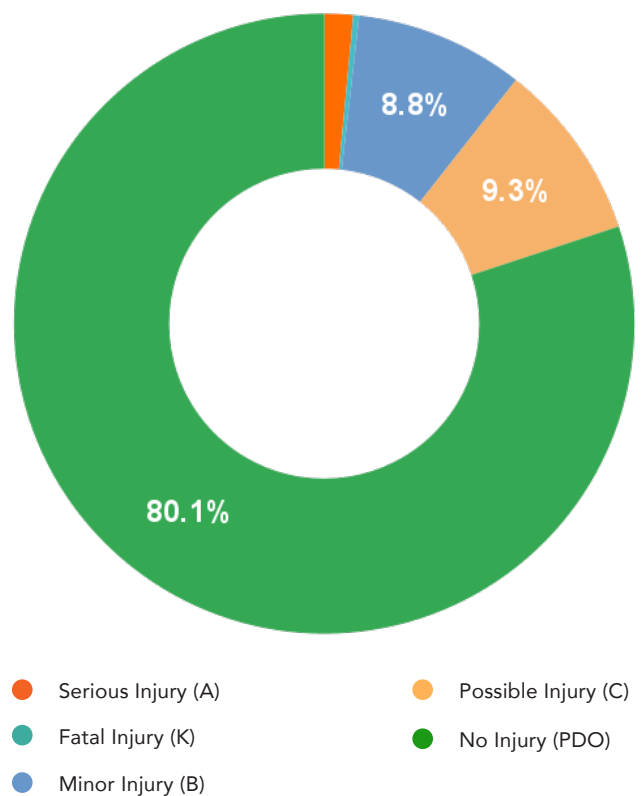
Crashes Involving Young Drivers

TABLE 26: TRAFFIC CRASHES INVOLVING YOUNG DRIVERS BY MUNICIPALITY (2021)

COMMUNITY	CRASHES			PERSONS	
	CRASHES	FATAL CRASHES	SERIOUS INJURY CRASHES	FATALITIES	SERIOUS INJURIES
CITIES AND VILLAGES					
Ann Arbor	944	0	3	0	5
Barton Hills	0	0	0	0	0
Chelsea	42	0	3	0	4
Dexter	22	0	0	0	0
Manchester	0	0	0	0	0
Milan	12	0	0	0	0
Saline	61	0	0	0	0
Ypsilanti	286	0	7	0	7
TOTAL	**1,367**	**0**	**13**	**0**	**16**
TOWNSHIPS					
Ann Arbor Twp	164	1	1	2	1
Augusta Twp	24	0	1	0	1
Bridgewater Twp	8	0	0	0	0
Dexter Twp	24	0	1	0	1
Freedom Twp	7	0	0	0	0
Lima Twp	61	0	0	0	0
Lodi Twp	28	0	0	0	0
Lyndon Twp	13	0	1	0	0
Manchester Twp	13	0	0	0	0
Northfield Twp	57	0	2	0	3
Pittsfield Twp	398	3	7	3	13
Salem Twp	37	0	0	0	0
Saline Twp	13	0	0	0	0
Scio Twp	158	2	4	4	4
Sharon Twp	3	0	0	0	0
Superior Twp	103	1	3	3	5
Sylvan Twp	58	0	0	0	0
Webster Twp	25	0	0	0	0
York Twp	64	0	2	0	3
Ypsilanti Twp	373	2	10	2	16
TOTAL	**1,631**	**9**	**32**	**14**	**48**
WASHTENAW COUNTY	**2,998**	**9**	**45**	**14**	**64**

Vehicle Types

	2017	2018	2019	2020	2021	5-YR TREND
PASSENGER CAR, SUV, VAN	10,709	10,399	10,642	6,638	8,053	
MOTORCYCLE	91	70	100	78	82	
PICKUP TRUCK	1,486	1,460	1,421	888	1,174	
SMALL TRUCK	111	93	67	44	60	
LARGE TRUCK/BUS	638	669	687	444	560	
OTHER / UNKNOWN	470	435	485	394	416	

14.2% of Fatal Crashes Involved Motorcyclists (2021)

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 (92.9%) of vehicles involved in crashes and the majority (55.4%) of fatal and serious injury crashes in Washtenaw County.

- In 2021, there were 82 motorcycle crashes in Washtenaw County, with 4 fatalities and 16 serious injuries.

- Motorcycle crashes make up less than 1% of total crashes but were involved in 13.6% of fatal and serious injury crashes.

CHART 15: FATALITIES AND SERIOUS INJURIES BY VEHICLE TYPE FOR WASHTENAW COUNTY (2021)

- Passenger Car, SUV, Van
- Motorcycle
- Pickup Truck
- Small Truck
- Large Truck / Bus
- Other / Unknown

Vehicle Types

TABLE 28: TRAFFIC CRASHES AND VEHICLE TYPE BY MUNICIPALITY (2021)

COMMUNITY	PASSENGER CAR, SUV, VAN	MOTORCYCLE	PICKUP TRUCK	SMALL TRUCK	LARGE TRUCK/BUS	OTHER / UNKNOWN
CITIES AND VILLAGES						
Ann Arbor	2,320	4	200	15	191	157
Barton Hills	0	0	0	0	0	0
Chelsea	133	3	30	2	11	4
Dexter	60	1	24	0	6	3
Manchester	0	0	0	0	0	0
Milan	41	0	15	0	6	1
Saline	148	3	31	5	7	9
Ypsilanti	653	7	57	1	19	55
TOTAL	**3,355**	**18**	**357**	**23**	**240**	**229**
TOWNSHIPS						
Ann Arbor Twp	420	7	57	3	49	22
Augusta Twp	58	2	21	0	3	3
Bridgewater Twp	42	0	7	0	0	0
Dexter Twp	70	2	20	1	1	3
Freedom Twp	24	0	2	0	0	0
Lima Twp	187	0	35	3	21	9
Lodi Twp	90	0	16	1	6	1
Lyndon Twp	42	1	17	0	2	1
Manchester Twp	63	1	20	1	2	0
Northfield Twp	178	0	37	0	11	8
Pittsfield Twp	1,022	12	153	9	69	25
Salem Twp	131	2	27	0	5	8
Saline Twp	48	0	21	0	1	2
Scio Twp	452	8	89	5	34	26
Sharon Twp	38	2	13	0	1	0
Superior Twp	300	3	46	2	16	10
Sylvan Twp	163	1	39	0	20	7
Webster Twp	100	0	14	1	1	3
York Twp	199	3	35	3	18	7
Ypsilanti Twp	1,071	20	149	8	60	74
TOTAL	**4,698**	**64**	**817**	**37**	**320**	**209**
WASHTENAW COUNTY	**8,053**	**82**	**1,174**	**60**	**560**	**438**

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.

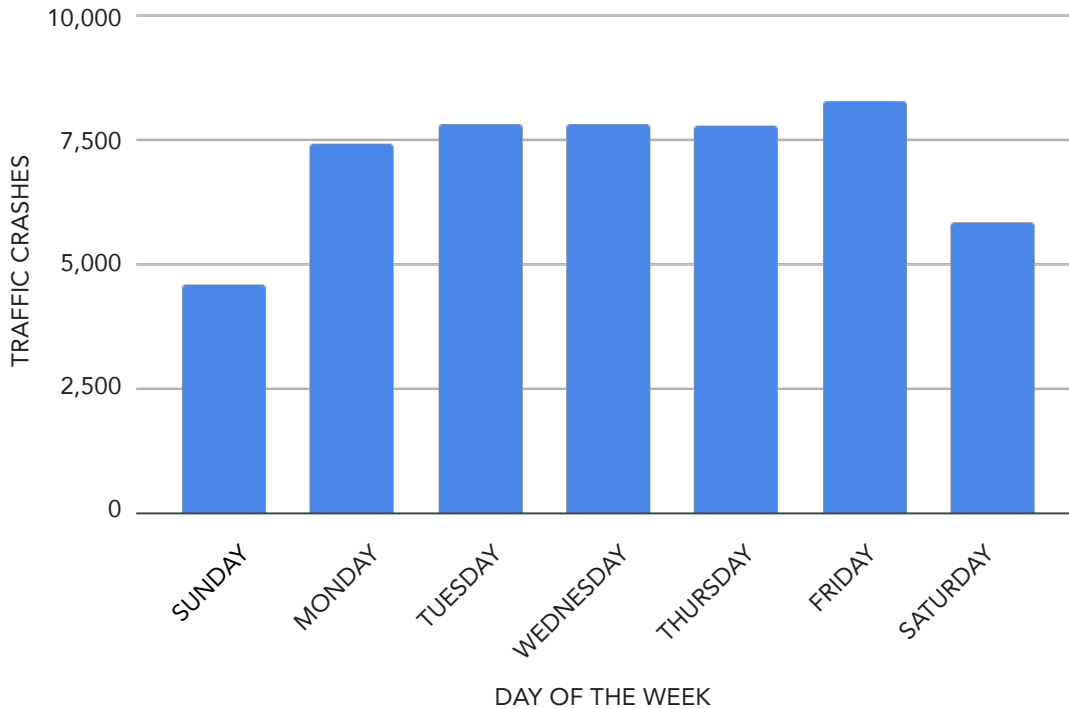**CHART 16: TRAFFIC CRASHES BY MONTH FOR WASHTENAW COUNTY (2017-2021)**
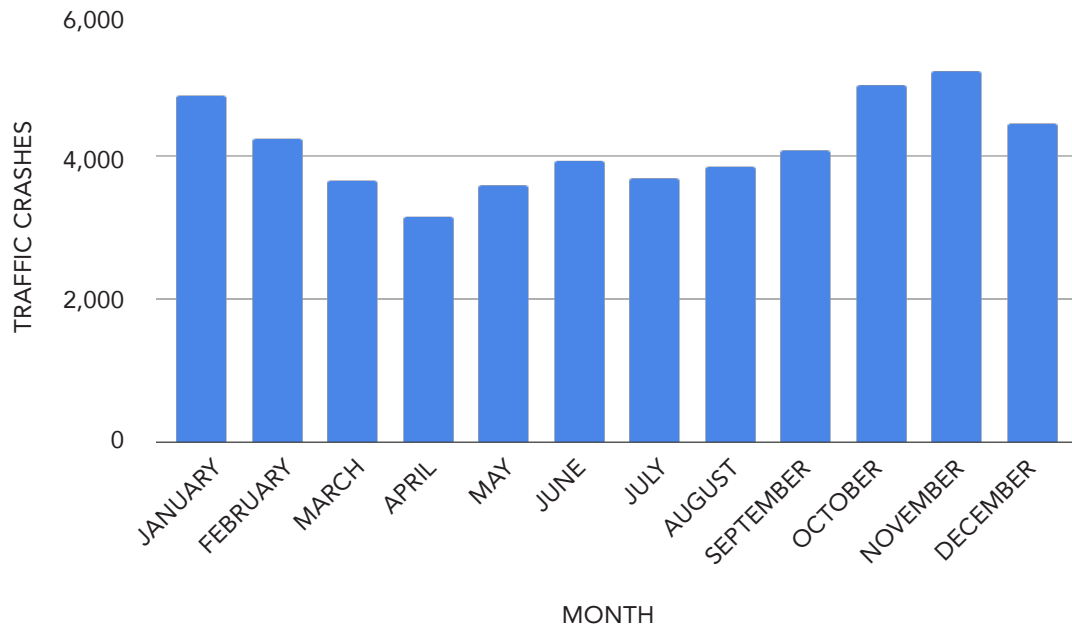
Total crashes increased from October and November but declined December through April. The majority of fatal crashes occurred in the month of October.

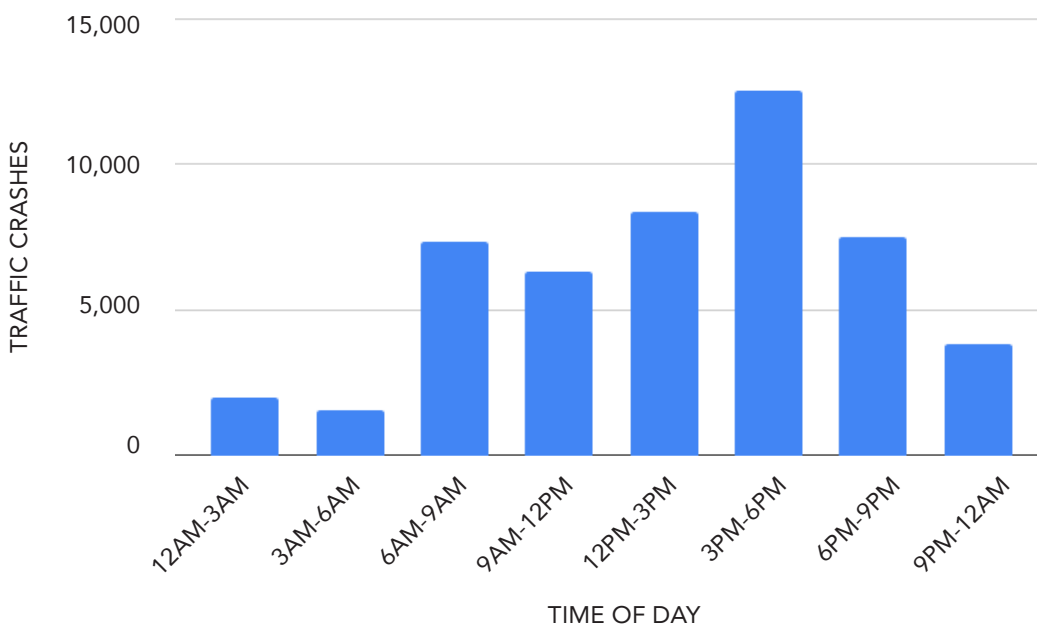# Temporal Variation in Crash Frequency

CHART 17: TRAFFIC CRASHES BY DAY OF THE WEEK FOR WASHTENAW COUNTY (2017-2021)

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

25.3% of All Crashes Occurred Between 3PM-6PM (2017-2021)

CHART 18: TRAFFIC CRASHES BY TIME OF DAY FOR WASHTENAW COUNTY (2017-2021)

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.semcog.org/Data/Apps/crash.cfm.

WATS provides assistance obtaining crash data upon request. Please contact Maggie Huntley, Associate Transportation Planner, at huntleym@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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