July 2020
Revised 8/24/2020

MTCF
Michigan Traffic Crash Facts

MICHIGAN
Office of Highway Safety Planning
2019

Michigan Traffic Crash Facts

Reporting Criteria

Please pay particular attention to the wording when interpreting the three levels of data gathered for this report.

Crash
The Crash Level analyzes data related to crash events and returns one result per crash.

Examples: Time, weather, and location.

Units
The Units Level analyzes the experience of the units in the crash and returns one result per vehicle, driver, pedestrian, bicyclist, or train.

Examples: Vehicle type, driver condition, and unit events.

People
The People Level analyzes the experience of the people involved in the crash and returns one result per occupant/person/party.

Examples: Age, injury severity, and seat belt or helmet use.

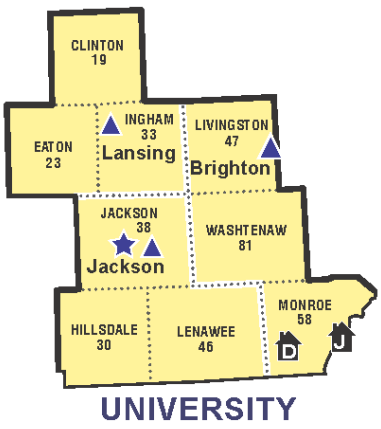
KABCO Injury Indicator:
K = Killed
A = Suspected Serious Injury
B = Suspected Minor Injury
C = Possible Injury
O = No Injury
Property Damage Only (PDO)

UMTRI
University of Michigan
Transportation Research Institute

MDOT Region - University

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

Beginning October 2015, MDOT Region - University is comprised of Clinton, Eaton, Hillsdale, Ingham, Jackson, Lenawee, Livingston, Monroe, and Washtenaw counties. Trend tables for this report are based on those counties.



Sources:
The crashes in this report occurred on public roadways in Michigan and resulted in injuries, fatalities, or property damage (with $1,000 as a reporting threshold). The information was gathered from Michigan Traffic Crash Report Forms (UD-10) submitted by local police departments, sheriff's offices, and the Michigan State Police. Other related information was obtained from the departments of Transportation, State, and Community Health.

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MDOT Region - University

MDOT Region - University Experience

In 2019:

There were 74,899 drivers involved in 45,469 motor vehicle crashes in MDOT Region University. Of those crashes, 121 were classified as fatal, resulting in 135 fatalities. An additional 10,044 persons were injured.

MDOT Region University experienced the highest number of motor vehicle crashes (5,412) in November, the highest number of fatal crashes (16) and the highest number of persons killed (18) in November.

Michigan driver statistics indicate 6.7 percent of licensed drivers in MDOT Region University were age 16-20, and 11.2 percent of drivers in crashes were also in that age group.

2019 - Crashes and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only (PDO)	Fatalities	Injuries
January	4,413	9	635	3,769	9	854
February	3,796	3	511	3,282	3	659
March	3,324	8	497	2,819	11	712
April	2,970	14	515	2,441	14	740
May	3,327	10	572	2,745	12	752
June	3,549	8	660	2,881	8	894
July	3,252	9	738	2,505	9	1,013
August	3,265	15	653	2,597	16	928
September	3,449	5	663	2,781	8	886
October	4,766	15	773	3,978	16	1,020
November	5,412	16	634	4,762	18	822
December	3,946	9	552	3,385	11	764
Total	**45,469**	**121**	**7,403**	**37,945**	**135**	**10,044**

2019 - Driver Statistics

Age Group	MDOT Region - University			Driver Rates	
	2019 Population	Licensed Drivers	Drivers in Crashes	Per 10k Population	Per 10k Licensed
0 - 15	264,711	8,261	118	4.5	142.8
16 - 20	121,887	73,133	8,372	686.9	1,144.8
21 - 24	106,676	73,182	7,503	703.3	1,025.3
25 - 64	752,813	704,445	45,814	608.6	650.4
65 +	248,844	228,796	7,969	320.2	348.3
Unknown	0	0	5,123	- -	- -
Total	**1,494,931**	**1,087,817**	**74,899**	**501.0**	**688.5**

2019 - Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crashes		Injury Crashes	PDO Crashes
	Number of Vehicles	% of Total	Number	% of Total	Number	Number
Passenger car, SUV, van	60,906	81.3	133	63.9	10,759	50,014
Motor home	227	0.3	0	0.0	41	186
Pickup truck	8,371	11.2	28	13.5	1,404	6,939
Small truck under 10,000 lbs. GVWR	334	0.4	0	0.0	48	286
Motorcycle	447	0.6	23	11.1	330	94
Moped / goped	71	0.1	2	1.0	53	16
Go-cart / golf cart	8	0.0	0	0.0	5	3
Snowmobile	1	0.0	0	0.0	1	0
Off-Road Vehicle - ORV / All-Terrain Vehicle - ATV	20	0.0	0	0.0	15	5
Other	344	0.5	0	0.0	41	303
Truck/bus over 10,000 lbs.	2,653	3.5	22	10.6	437	2,194
Unknown	1,517	2.0	0	0.0	128	1,389
Total	**74,899**	**100.0**	**208**	**100.0**	**13,262**	**61,429**

MDOT Region - University (continued)

5-Year Trend - Crashes by Month

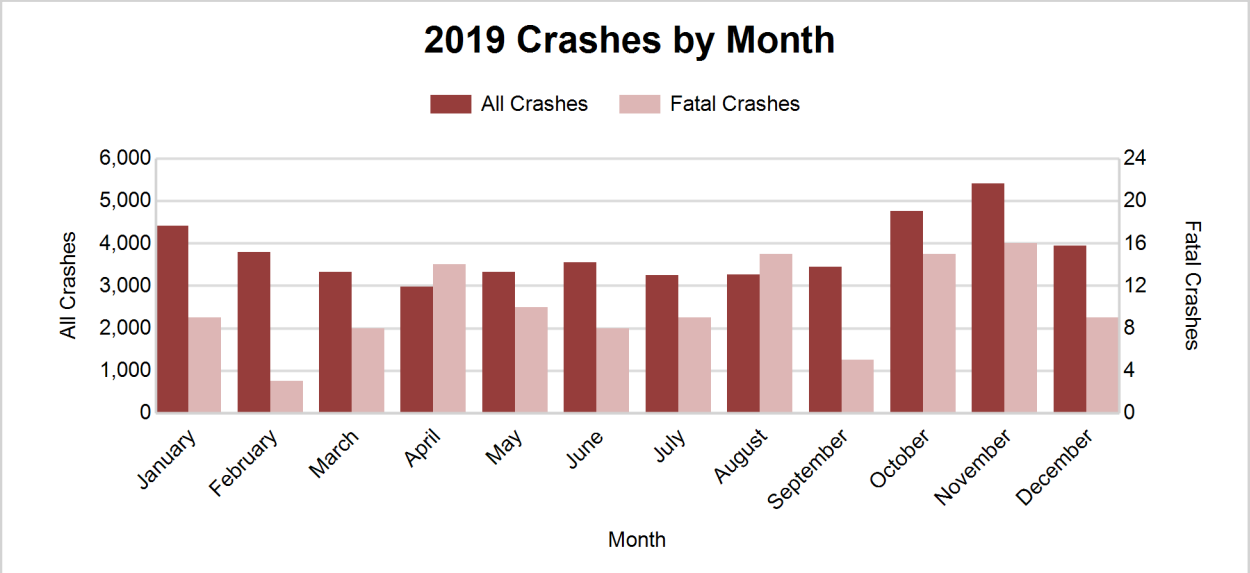
Month	2015		2016		2017		2018		2019	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
January	4,840	5	4,135	4	3,772	13	4,754	12	4,413	9
February	3,855	4	3,913	8	2,846	7	3,899	7	3,796	3
March	2,966	7	3,586	5	3,854	7	3,459	11	3,324	8
April	2,612	5	3,112	11	2,961	19	3,136	10	2,970	14
May	3,145	9	3,445	11	3,502	12	3,358	9	3,327	10
June	3,266	15	3,403	15	3,380	14	3,307	9	3,549	8
July	3,118	15	3,138	17	2,937	16	2,930	15	3,252	9
August	2,943	11	3,183	12	3,021	13	3,047	19	3,265	15
September	3,426	9	3,596	21	3,279	13	3,342	17	3,449	5
October	4,396	17	4,307	16	4,591	14	4,509	13	4,766	15
November	5,026	3	4,612	13	4,549	11	4,930	7	5,412	16
December	3,801	9	4,742	8	5,363	6	3,730	7	3,946	9
Total	**43,394**	**109**	**45,172**	**141**	**44,055**	**145**	**44,401**	**136**	**45,469**	**121**

Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred in the same month

5-Year Trend - Crashes by Day of Week

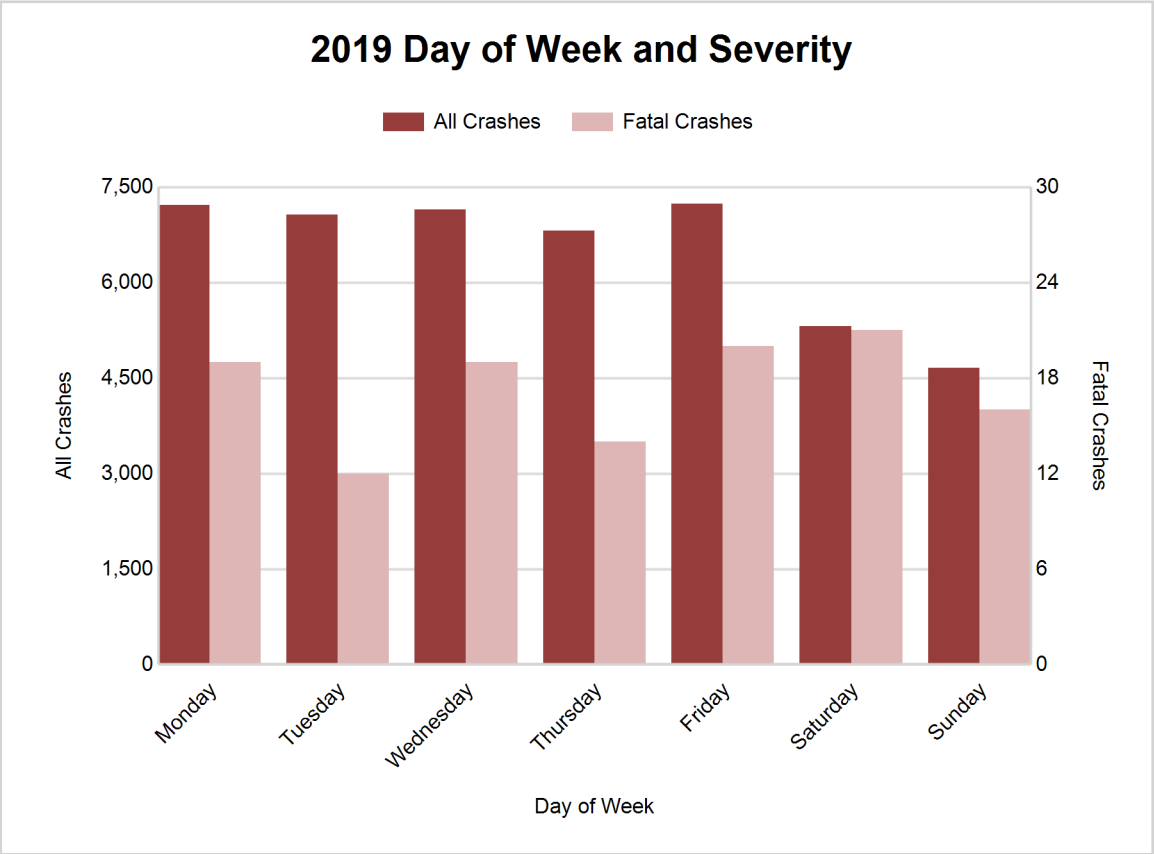
Day	2015		2016		2017		2018		2019	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Monday	6,379	11	6,195	23	6,514	20	6,657	15	7,220	19
Tuesday	6,567	10	6,969	21	6,679	16	6,913	19	7,064	12
Wednesday	6,690	23	7,235	16	6,678	24	6,610	23	7,154	19
Thursday	6,230	17	7,276	17	6,958	17	6,948	10	6,819	14
Friday	7,095 †	17	7,667 †	22	7,436 †	27	7,504 †	23	7,240 †	20
Saturday	5,892	14	5,440	25	5,385	24	5,377	21	5,316	21
Sunday	4,541	17	4,390	17	4,405	17	4,392	25	4,656	16
Total	**43,394**	**109**	**45,172**	**141**	**44,055**	**145**	**44,401**	**136**	**45,469**	**121**

Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred on the same day of the week



2019 - Crashes by Day of Week

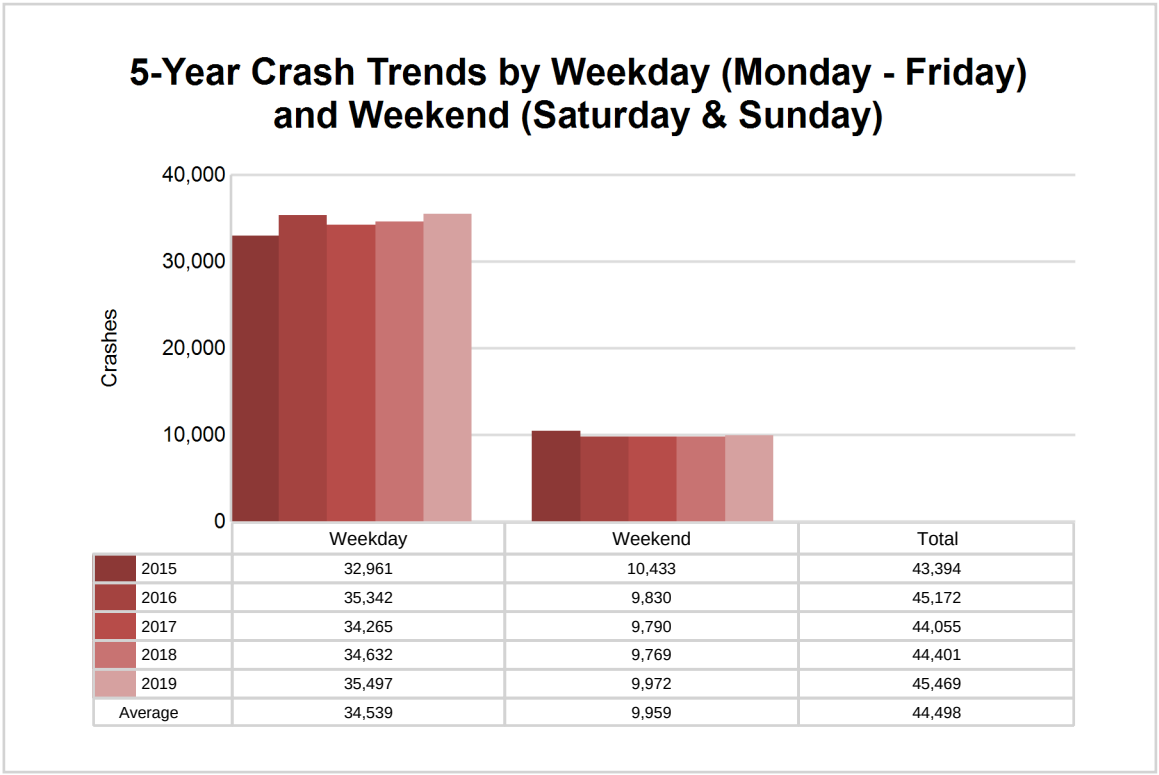
Day	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	Number
Monday	7,220	15.9	19	15.7	100	329	689	6,083
Tuesday	7,064	15.5	12	9.9	90	370	712	5,880
Wednesday	7,154	15.7	19	15.7	100	359	723	5,953
Thursday	6,819	15.0	14	11.6	100	331	657	5,717
Friday	7,240	15.9	20	16.5	117	352	685	6,066
Saturday	5,316	11.7	21	17.4	88	303	466	4,438
Sunday	4,656	10.2	16	13.2	87	290	455	3,808
Total	**45,469**	**100.0**	**121**	**100.0**	**682**	**2,334**	**4,387**	**37,945**



MDOT Region - University (continued)

5-Year Trend - Crashes by Weekday and Weekend

Portion of Week	2015		2016		2017		2018		2019	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Weekday	32,961	78	35,342	99	34,265	104	34,632	90	35,497	84
Weekend	10,433	31	9,830	42	9,790	41	9,769	46	9,972	37
Total	**43,394**	**109**	**45,172**	**141**	**44,055**	**145**	**44,401**	**136**	**45,469**	**121**



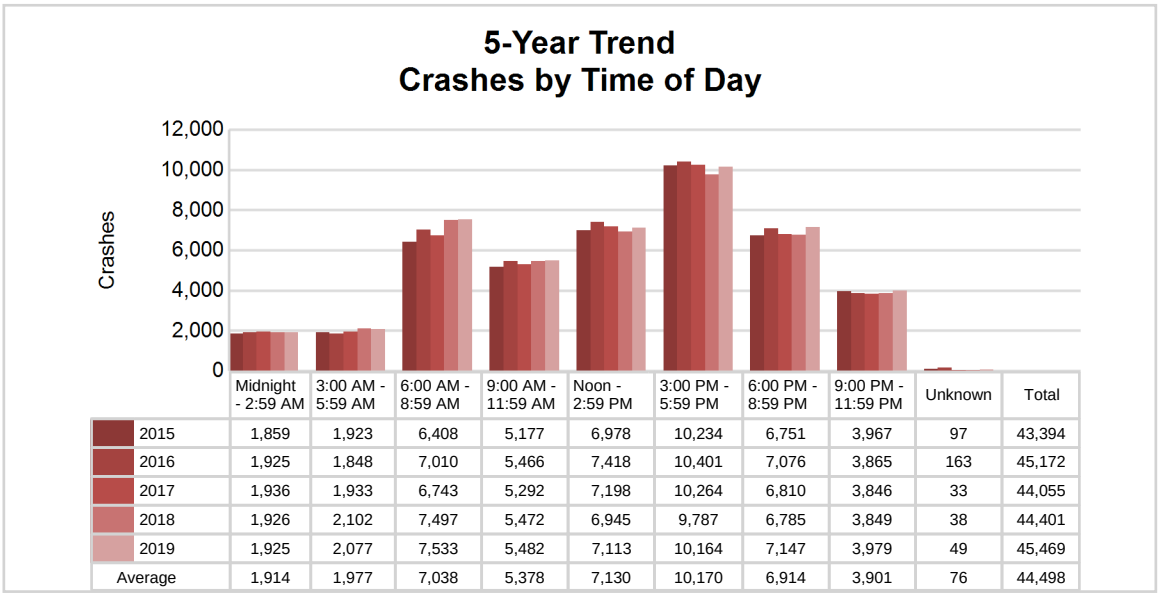
	Weekday	Weekend	Total
2015	32,961	10,433	43,394
2016	35,342	9,830	45,172
2017	34,265	9,790	44,055
2018	34,632	9,769	44,401
2019	35,497	9,972	45,469
Average	34,539	9,959	44,498

MDOT Region - University (continued)

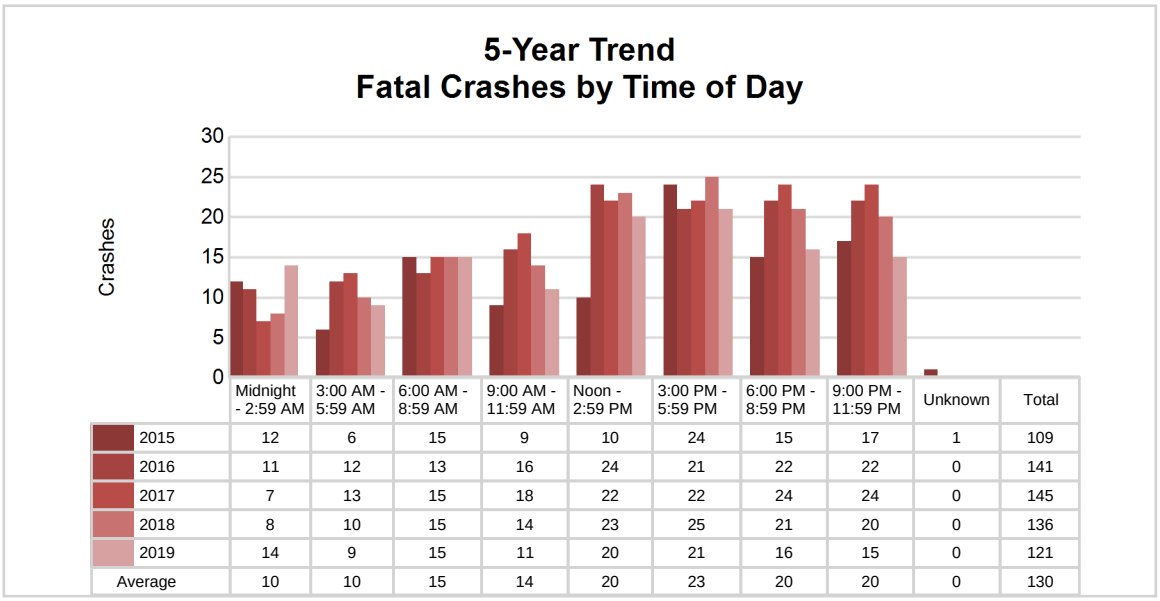
5-Year Trend - Crashes by Time of Day

Time of Day	2015		2016		2017		2018		2019	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	1,859	12	1,925	11	1,936	7	1,926	8	1,925	14
3:00 AM - 5:59 AM	1,923	6	1,848	12	1,933	13	2,102	10	2,077	9
6:00 AM - 8:59 AM	6,408	15	7,010	13	6,743	15	7,497	15	7,533	15
9:00 AM - 11:59 AM	5,177	9	5,466	16	5,292	18	5,472	14	5,482	11
Noon - 2:59 PM	6,978	10	7,418	24	7,198	22	6,945	23	7,113	20
3:00 PM - 5:59 PM	10,234 †	24	10,401 †	21	10,264 †	22	9,787 †	25	10,164 †	21
6:00 PM - 8:59 PM	6,751	15	7,076	22	6,810	24	6,785	21	7,147	16
9:00 PM - 11:59 PM	3,967	17	3,865	22	3,846	24	3,849	20	3,979	15
Unknown	97	1	163	0	33	0	38	0	49	0
Total	**43,394**	**109**	**45,172**	**141**	**44,055**	**145**	**44,401**	**136**	**45,469**	**121**

Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred in the same time period



	Midnight - 2:59 AM	3:00 AM - 5:59 AM	6:00 AM - 8:59 AM	9:00 AM - 11:59 AM	Noon - 2:59 PM	3:00 PM - 5:59 PM	6:00 PM - 8:59 PM	9:00 PM - 11:59 PM	Unknown	Total
2015	1,859	1,923	6,408	5,177	6,978	10,234	6,751	3,967	97	43,394
2016	1,925	1,848	7,010	5,466	7,418	10,401	7,076	3,865	163	45,172
2017	1,936	1,933	6,743	5,292	7,198	10,264	6,810	3,846	33	44,055
2018	1,926	2,102	7,497	5,472	6,945	9,787	6,785	3,849	38	44,401
2019	1,925	2,077	7,533	5,482	7,113	10,164	7,147	3,979	49	45,469
Average	1,914	1,977	7,038	5,378	7,130	10,170	6,914	3,901	76	44,498

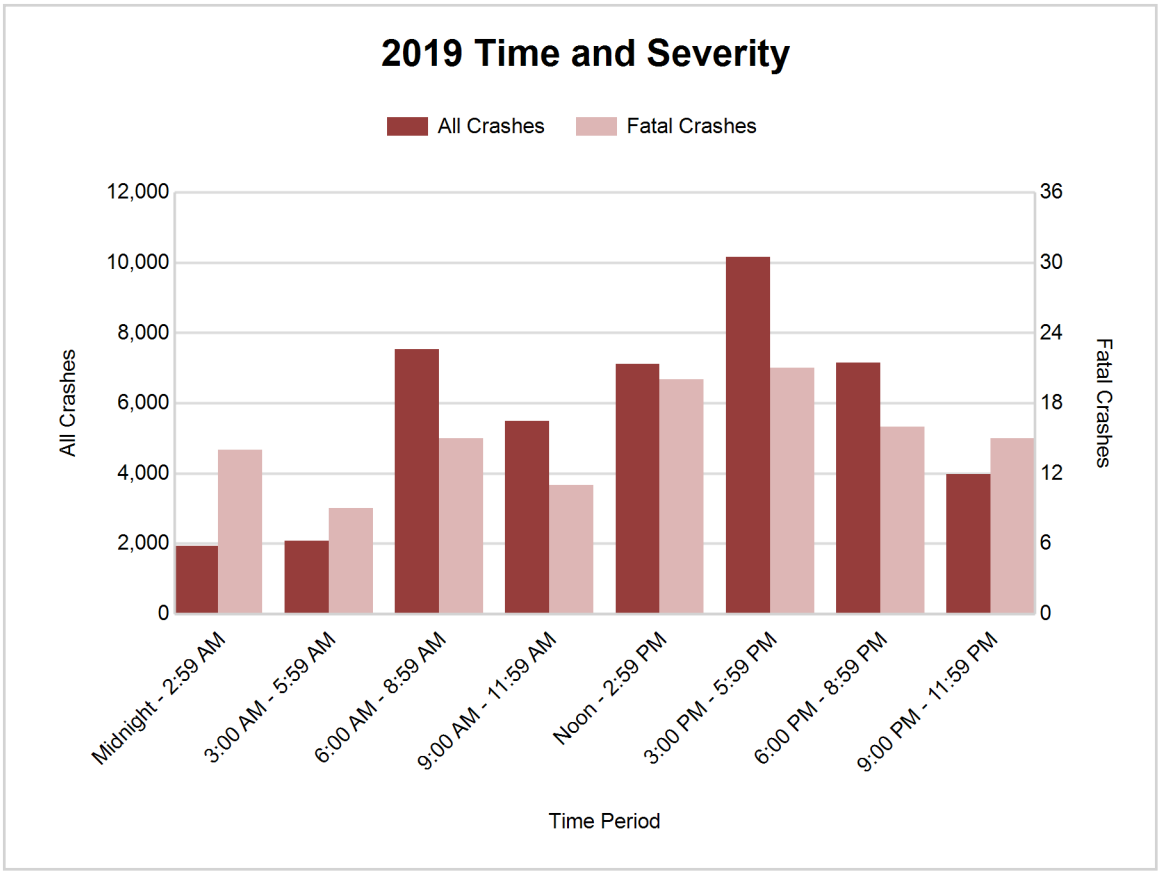


	Midnight - 2:59 AM	3:00 AM - 5:59 AM	6:00 AM - 8:59 AM	9:00 AM - 11:59 AM	Noon - 2:59 PM	3:00 PM - 5:59 PM	6:00 PM - 8:59 PM	9:00 PM - 11:59 PM	Unknown	Total
2015	12	6	15	9	10	24	15	17	1	109
2016	11	12	13	16	24	21	22	22	0	141
2017	7	13	15	18	22	22	24	24	0	145
2018	8	10	15	14	23	25	21	20	0	136
2019	14	9	15	11	20	21	16	15	0	121
Average	10	10	15	14	20	23	20	20	0	130

MDOT Region - University (continued)

2019 - Time and Severity

Time of Day	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	Number
Midnight - 2:59 AM	1,925	4.2	14	11.6	52	137	154	1,568
3:00 AM - 5:59 AM	2,077	4.6	9	7.4	30	108	148	1,782
6:00 AM - 8:59 AM	7,533	16.6	15	12.4	82	293	607	6,536
9:00 AM - 11:59 AM	5,482	12.1	11	9.1	74	280	584	4,533
Noon - 2:59 PM	7,113	15.6	20	16.5	118	417	825	5,733
3:00 PM - 5:59 PM	10,164	22.4	21	17.4	152	559	1,131	8,301
6:00 PM - 8:59 PM	7,147	15.7	16	13.2	106	351	624	6,050
9:00 PM - 11:59 PM	3,979	8.8	15	12.4	67	188	314	3,395
Unknown	49	0.1	0	0.0	1	1	0	47
Total	**45,469**	**100.0**	**121**	**100.0**	**682**	**2,334**	**4,387**	**37,945**

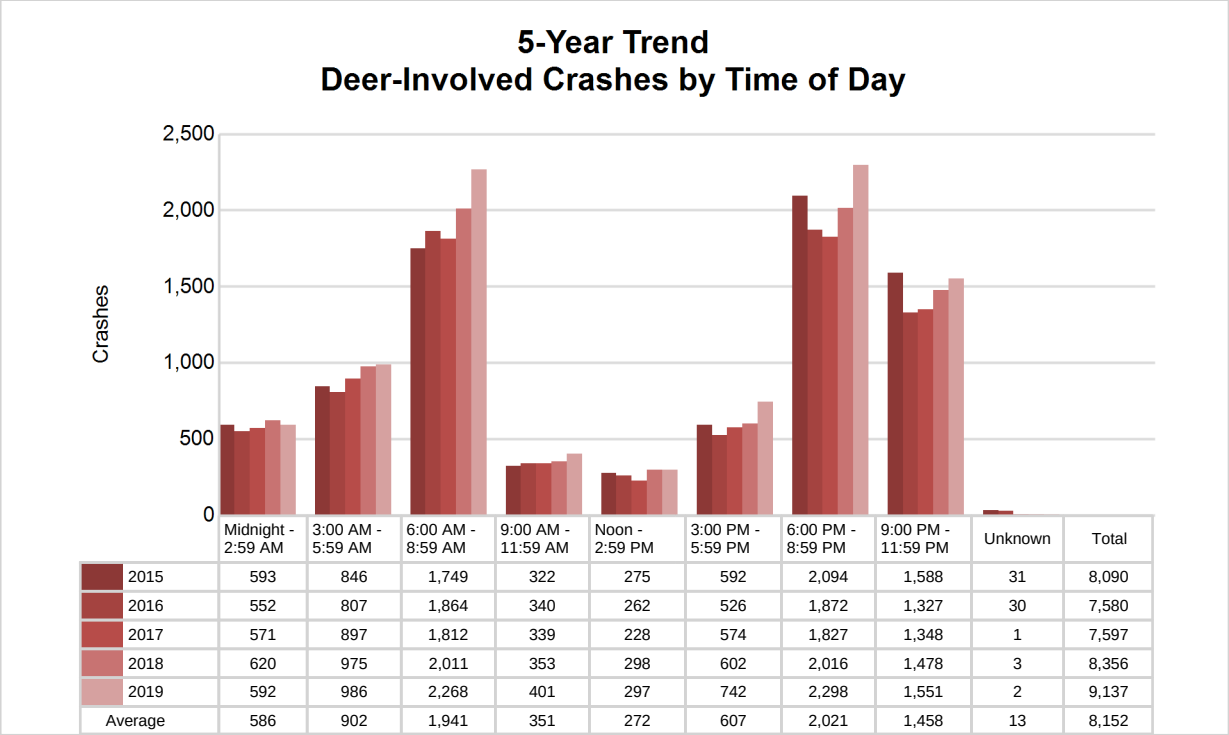


MDOT Region - University (continued)

5-Year Trend - Deer-Involved Crashes by Time of Day

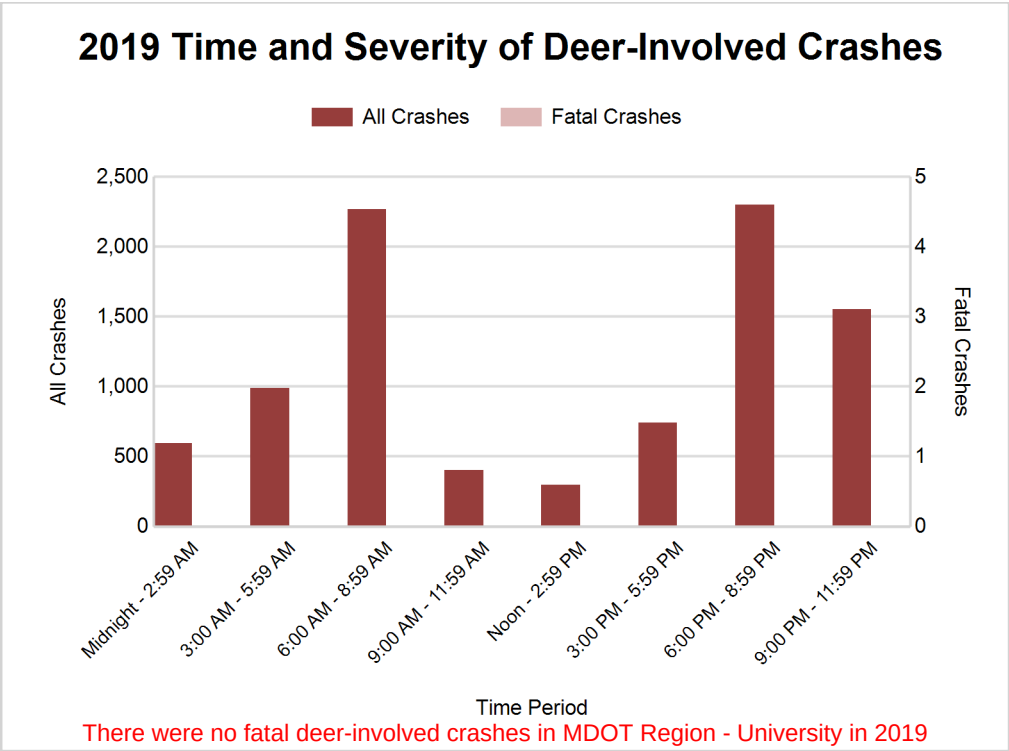
Time of Day	2015		2016		2017		2018		2019	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	593	1	552	0	571	0	620	0	592	0
3:00 AM - 5:59 AM	846	1	807	0	897	1	975	0	986	0
6:00 AM - 8:59 AM	1,749	0	1,864	0	1,812	0	2,011	0	2,268	0
9:00 AM - 11:59 AM	322	0	340	0	339	0	353	0	401	0
Noon - 2:59 PM	275	0	262	0	228	0	298	1	297	0
3:00 PM - 5:59 PM	592	0	526	0	574	0	602	0	742	0
6:00 PM - 8:59 PM	2,094 †	2	1,872 †	1	1,827 †	0	2,016 †	0	2,298 †	0
9:00 PM - 11:59 PM	1,588	0	1,327	1	1,348	1	1,478	0	1,551	0
Unknown	31	0	30	0	1	0	3	0	2	0
Total	**8,090**	**4**	**7,580**	**2**	**7,597**	**2**	**8,356**	**1**	**9,137**	**0**

Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred in the same time period



	Midnight - 2:59 AM	3:00 AM - 5:59 AM	6:00 AM - 8:59 AM	9:00 AM - 11:59 AM	Noon - 2:59 PM	3:00 PM - 5:59 PM	6:00 PM - 8:59 PM	9:00 PM - 11:59 PM	Unknown	Total
2015	593	846	1,749	322	275	592	2,094	1,588	31	8,090
2016	552	807	1,864	340	262	526	1,872	1,327	30	7,580
2017	571	897	1,812	339	228	574	1,827	1,348	1	7,597
2018	620	975	2,011	353	298	602	2,016	1,478	3	8,356
2019	592	986	2,268	401	297	742	2,298	1,551	2	9,137
Average	586	902	1,941	351	272	607	2,021	1,458	13	8,152

MDOT Region - University (continued)



There were no fatal deer-involved crashes in MDOT Region - University in 2019

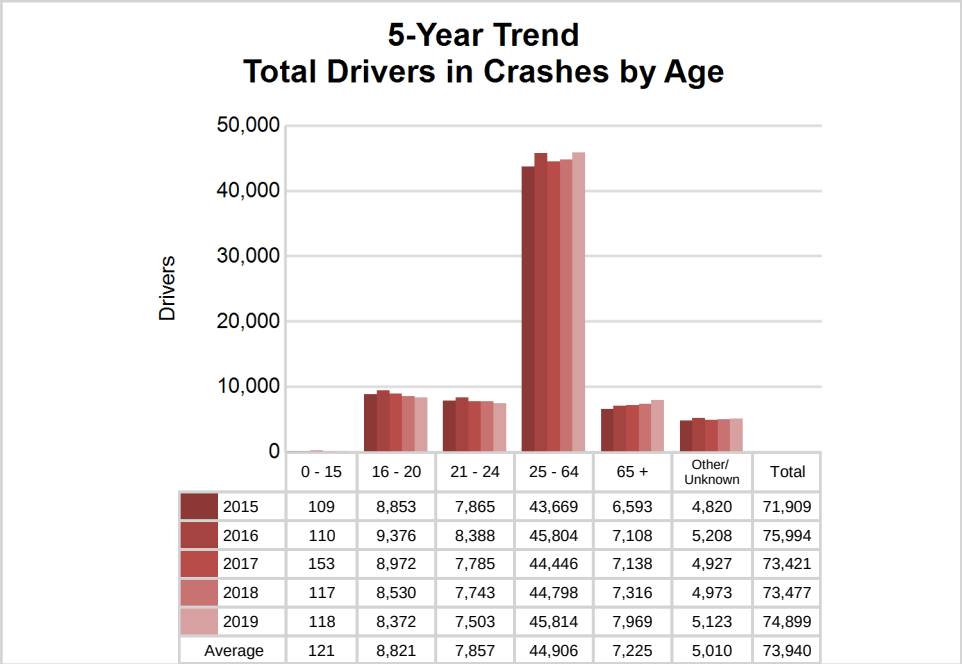
2019 - Reported Motor Vehicle Crashes by County

County	Crashes											Persons	
	Total	Fatal	Injury	Property Damage	Inter-state	US Route	State Route	Local Street	Alcohol-Involved	Drug-Involved	Deer-Involved	Fatalities	Injuries
Clinton	2,462	10	292	2,160	430	353	328	1,346	71	26	1,174	12	444
Eaton	3,342	9	499	2,834	689	0	1,078	1,573	116	39	1,053	13	692
Hillsdale	1,717	5	243	1,469	0	244	399	1,072	42	20	914	5	336
Ingham	9,541	16	1,848	7,677	1,964	569	2,175	4,831	273	62	1,091	17	2,474
Jackson	5,546	16	808	4,722	1,045	337	865	3,297	180	56	1,630	18	1,114
Lenawee	2,557	14	428	2,115	0	586	580	1,391	105	19	811	15	633
Livingston	5,019	14	693	4,312	1,097	760	627	2,510	185	56	878	16	956
Monroe	3,932	13	709	3,210	755	786	398	1,991	226	68	480	13	977
Washtenaw	11,353	24	1,883	9,446	1,658	1,894	1,080	6,706	307	115	1,106	26	2,418
Total	**45,469**	**121**	**7,403**	**37,945**	**7,638**	**5,529**	**7,530**	**24,717**	**1,505**	**461**	**9,137**	**135**	**10,044**

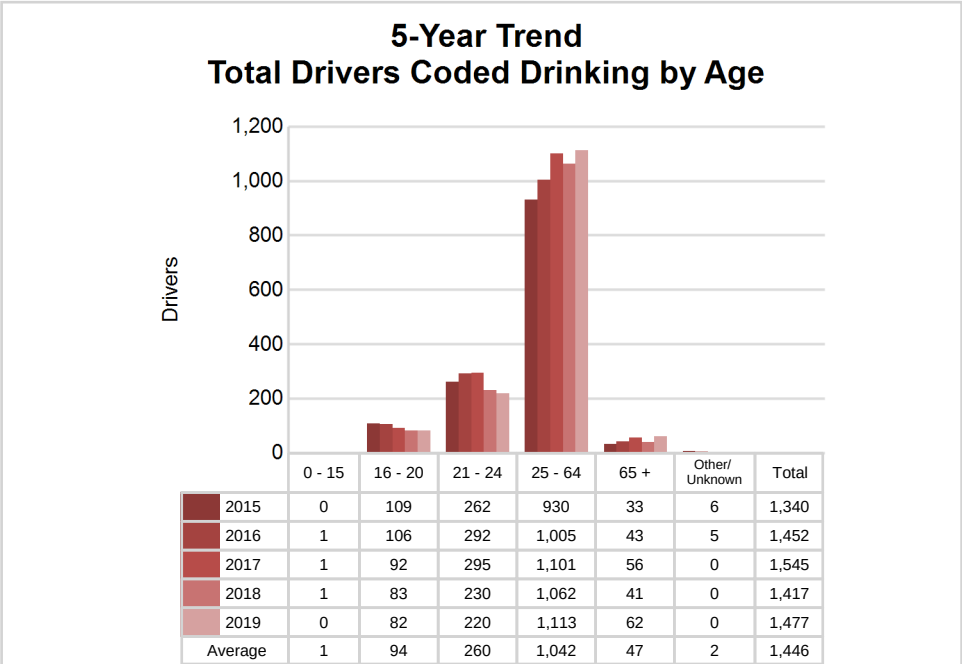
MDOT Region - University (continued)

5-Year Trend - Drivers in Crashes Coded Drinking by Driver Age

Driver Age	2015		2016		2017		2018		2019	
	Total Drivers in Crashes	Total Drivers Coded Drinking	Total Drivers in Crashes	Total Drivers Coded Drinking	Total Drivers in Crashes	Total Drivers Coded Drinking	Total Drivers in Crashes	Total Drivers Coded Drinking	Total Drivers in Crashes	Total Drivers Coded Drinking
0 - 15	109	0	110	1	153	1	117	1	118	0
16 - 20	8,853	109	9,376	106	8,972	92	8,530	83	8,372	82
21 - 24	7,865	262	8,388	292	7,785	295	7,743	230	7,503	220
25 - 64	43,669	930	45,804	1,005	44,446	1,101	44,798	1,062	45,814	1,113
65 +	6,593	33	7,108	43	7,138	56	7,316	41	7,969	62
Unknown	4,820	6	5,208	5	4,927	0	4,973	0	5,123	0
Total	**71,909**	**1,340**	**75,994**	**1,452**	**73,421**	**1,545**	**73,477**	**1,417**	**74,899**	**1,477**



	0 - 15	16 - 20	21 - 24	25 - 64	65 +	Other/ Unknown	Total
2015	109	8,853	7,865	43,669	6,593	4,820	71,909
2016	110	9,376	8,388	45,804	7,108	5,208	75,994
2017	153	8,972	7,785	44,446	7,138	4,927	73,421
2018	117	8,530	7,743	44,798	7,316	4,973	73,477
2019	118	8,372	7,503	45,814	7,969	5,123	74,899
Average	121	8,821	7,857	44,906	7,225	5,010	73,940

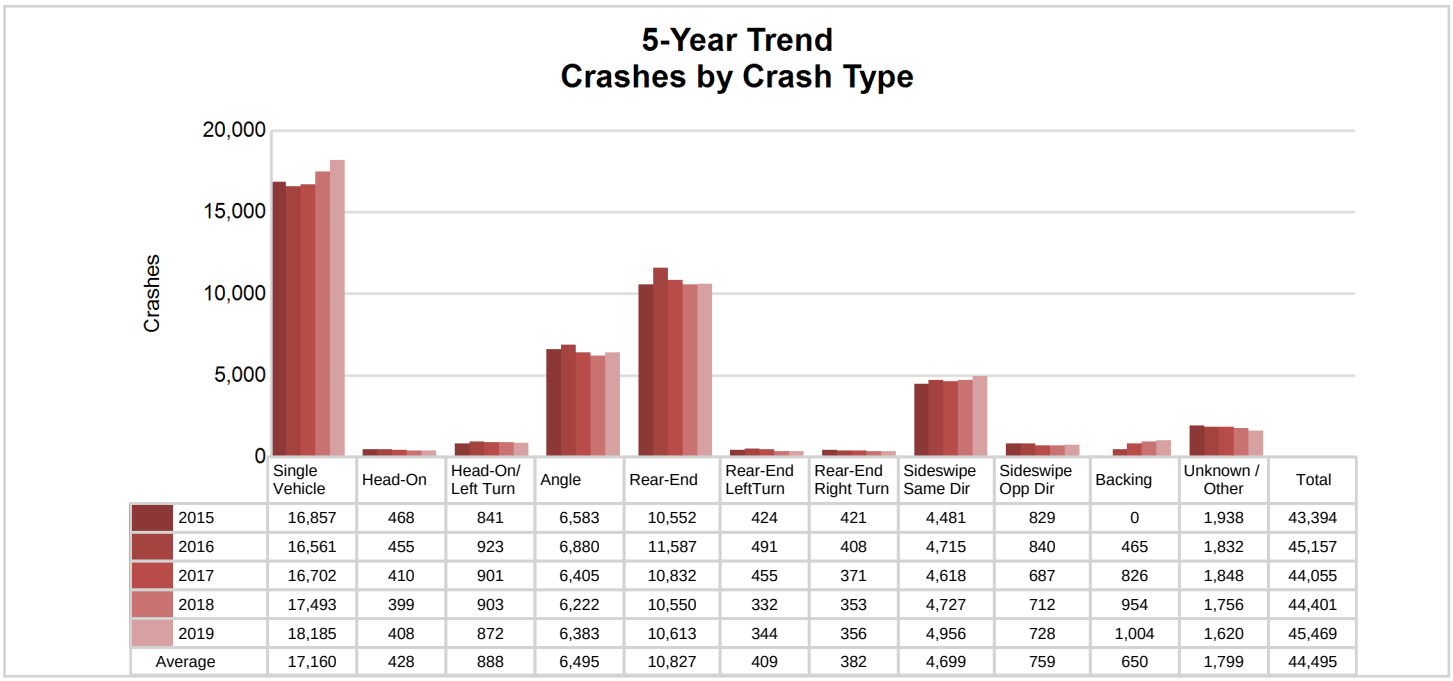


	0 - 15	16 - 20	21 - 24	25 - 64	65 +	Other/ Unknown	Total
2015	0	109	262	930	33	6	1,340
2016	1	106	292	1,005	43	5	1,452
2017	1	92	295	1,101	56	0	1,545
2018	1	83	230	1,062	41	0	1,417
2019	0	82	220	1,113	62	0	1,477
Average	1	94	260	1,042	47	2	1,446

MDOT Region - University (continued)

5-Year Trend - Crashes by Crash Type

Crash Type	2015		2016		2017		2018		2019	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Single motor vehicle	16,857	59	16,561	81	16,702	77	17,493	55	18,185	54
Head-on	468	19	455	13	410	14	399	19	408	22
Head-on / left turn	841	2	923	4	901	5	903	8	872	5
Angle	6,583	16	6,880	24	6,405	24	6,222	23	6,383	19
Rear-end	10,552	8	11,587	13	10,832	12	10,550	12	10,613	10
Rear-end left turn	424	0	491	2	455	1	332	3	344	1
Rear-end right turn	421	0	408	0	371	0	353	1	356	0
Sideswipe same direction	4,481	2	4,715	0	4,618	6	4,727	2	4,956	3
Sideswipe opposite direction	829	0	840	2	687	0	712	1	728	0
Backing	0	0	465	0	826	0	954	1	1,004	0
Other / Unknown	1,938	3	1,832	2	1,848	6	1,756	11	1,620	7
Uncoded and Errors	0	0	15	0	0	0	0	0	0	0
Total	**43,394**	**109**	**45,172**	**141**	**44,055**	**145**	**44,401**	**136**	**45,469**	**121**



	Single Vehicle	Head-On	Head-On/ Left Turn	Angle	Rear-End	Rear-End LeftTurn	Rear-End Right Turn	Sideswipe Same Dir	Sideswipe Opp Dir	Backing	Unknown / Other	Total
2015	16,857	468	841	6,583	10,552	424	421	4,481	829	0	1,938	43,394
2016	16,561	455	923	6,880	11,587	491	408	4,715	840	465	1,832	45,157
2017	16,702	410	901	6,405	10,832	455	371	4,618	687	826	1,848	44,055
2018	17,493	399	903	6,222	10,550	332	353	4,727	712	954	1,756	44,401
2019	18,185	408	872	6,383	10,613	344	356	4,956	728	1,004	1,620	45,469
Average	17,160	428	888	6,495	10,827	409	382	4,699	759	650	1,799	44,495

MDOT Region - University (continued)

2019 - Bodily Alcohol Concentration (BAC) Results Among All Vehicle Drivers in Alcohol-Involved Crashes by Age

Age Group	Drivers				BAC Result Range for Drivers Coded Drinking				
	Total Drivers in Alcohol-Involved Crashes	Total Drivers Tested in all Crashes	Total Drivers Coded Drinking, Tested	Total Drivers Coded Drinking	BAC = 0.00	BAC 0.01 g/dL to 0.07 g/dL	BAC 0.08 g/dL to 0.16 g/dL	BAC 0.17 g/dL and Above	BAC Not Reported
0 - 15	2	0	0	0	0	0	0	0	0
16 - 20	131	117	70	82	0	9	24	11	38
21 - 24	276	227	184	220	0	25	64	55	76
25 - 64	1,472	1,173	917	1,113	1	75	237	310	490
65 +	113	74	55	62	2	7	22	9	22
Unknown	148	1	0	0	0	0	0	0	0
Total	**2,142**	**1,592**	**1,226**	**1,477**	**3**	**116**	**347**	**385**	**626**

Notes: BAC measured in grams (g) per deciliter (dL).
BAC may not be reported if drivers are not tested or if the results are not available immediately (as in the case of a blood test).
A driver may be coded by the officer as drinking even though no test is administered.

Alcohol-Involved Crashes

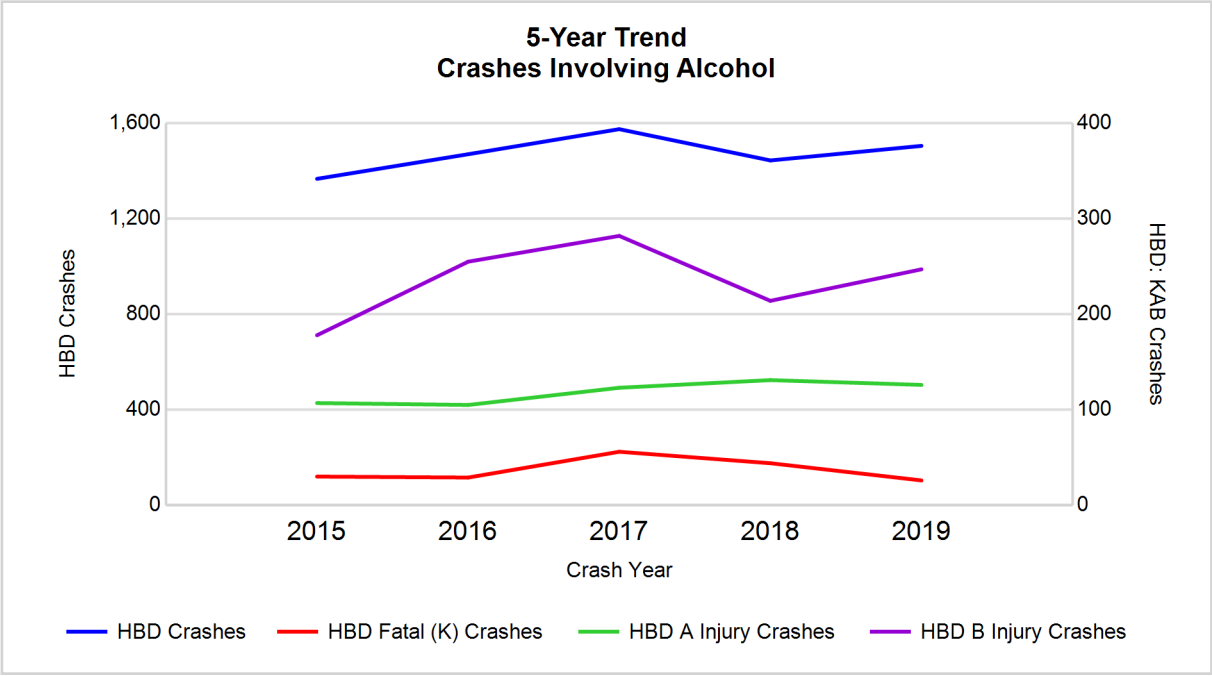
In 2019, there were 2,142 drivers in alcohol-involved crashes; 1,477 (69.0%) of those drivers were coded as had-been-drinking by the officer on the crash form.

- 732 (49.6%) of the 1,477 drivers had a blood alcohol concentration (BAC) of 0.08 g/dL (grams per deciliter) or greater, and 385 (52.6%) of the 732 drivers had a BAC at or above 0.17 g/dL.
- 1,226 (83.0%) of the 1,477 drivers were coded as had-been-drinking and were tested for alcohol consumption.

5-Year Trend - Crashes Involving Alcohol

Year	All Crashes	HBD Crashes	% HBD	Fatal Crashes	HBD Fatal Crashes	% HBD	A Injury Crashes	HBD A Injury Crashes	% HBD	B Injury Crashes	HBD B Injury Crashes	% HBD
2015	43,394	1,367	3.2	109	30	27.5	561	107	19.1	1,907	178	9.3
2016	45,172	1,470	3.3	141	29	20.6	645	105	16.3	2,200	255	11.6
2017	44,055	1,575	3.6	145	56	38.6	714	123	17.2	2,335	282	12.1
2018	44,401	1,444	3.3	136	44	32.4	678	131	19.3	2,232	214	9.6
2019	45,469**	1,505	3.3	121	26*	21.5	682	126	18.5	2,334	247	10.6

Note: * Indicates that the most recent year is the lowest number or percentage reported in the 5-year period in that column
** Indicates that the most recent year is the highest number or percentage reported in the 5-year period in that column



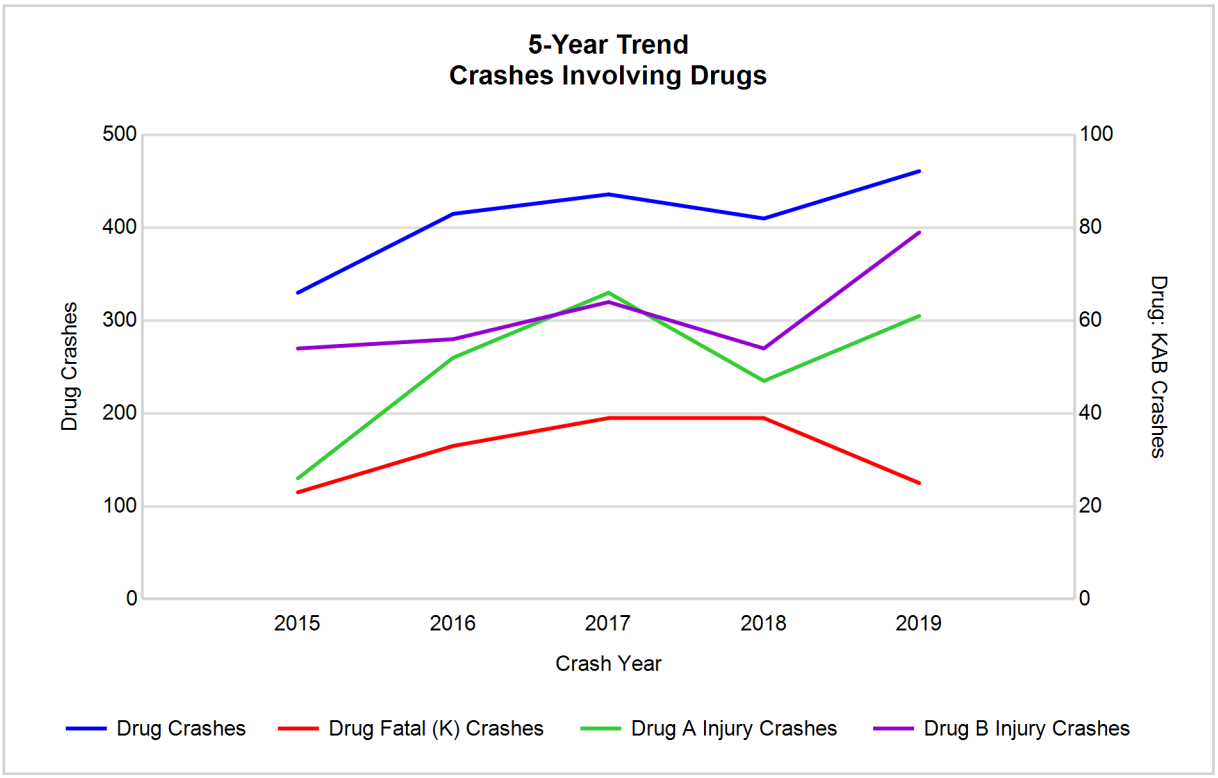
Note: Had-Been-Drinking (HBD)

MDOT Region - University (continued)

5-Year Trend - Crashes Involving Drugs

Year	All Crashes	Drug Crashes	% Drug	Fatal Crashes	Drug Fatal Crashes	% Drug	A Injury Crashes	Drug A Injury Crashes	% Drug	B Injury Crashes	Drug B Injury Crashes	% Drug
2015	43,394	330	0.8	109	23	21.1	561	26	4.6	1,907	54	2.8
2016	45,172	415	0.9	141	33	23.4	645	52	8.1	2,200	56	2.5
2017	44,055	436	1.0	145	39	26.9	714	66	9.2	2,335	64	2.7
2018	44,401	410	0.9	136	39	28.7	678	47	6.9	2,232	54	2.4
2019	45,469**	461**	1.0	121	25	20.7*	682	61	8.9	2,334	79**	3.4**

Note: * Indicates that the most recent year is the lowest number or percentage reported in the 5-year period in that column
** Indicates that the most recent year is the highest number or percentage reported in the 5-year period in that column

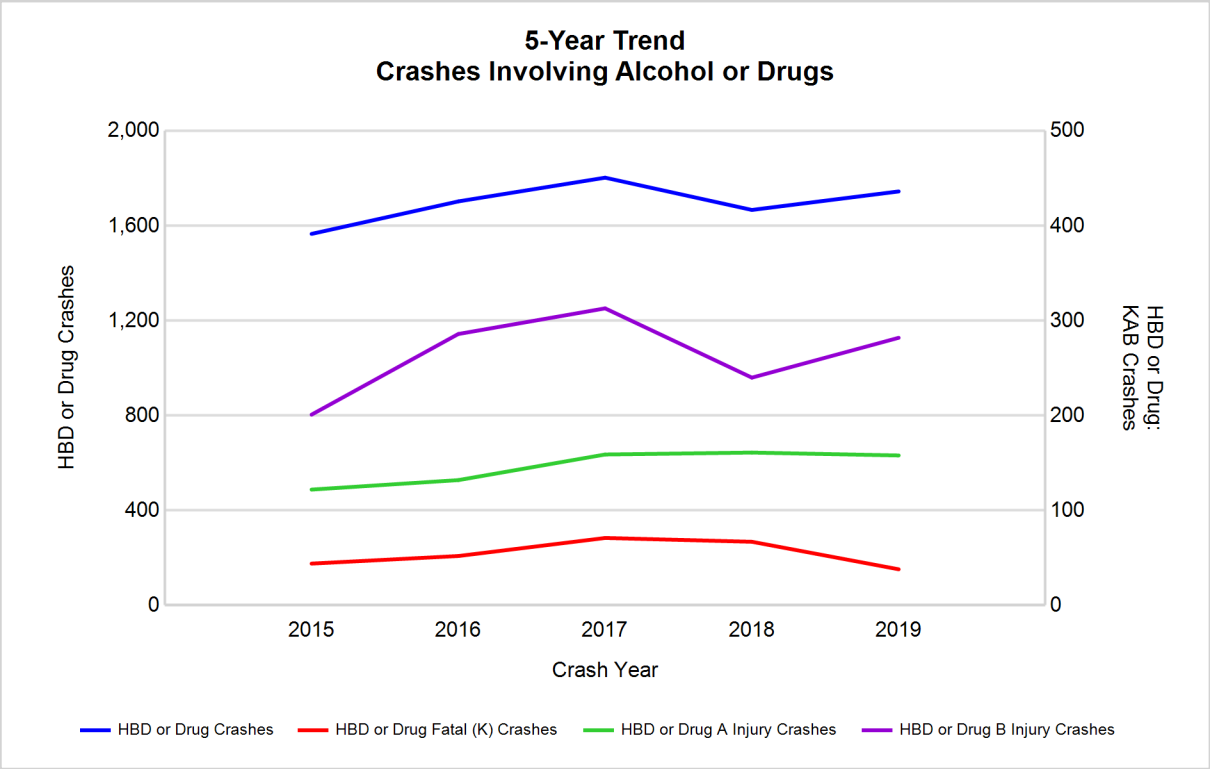


MDOT Region - University (continued)

5-Year Trend - Crashes Involving Alcohol or Drugs

Year	All Crashes	HBD or Drug Crashes	% HBD or Drug	Fatal Crashes	HBD or Drug Fatal Crashes	% HBD or Drug	A Injury Crashes	HBD or Drug A Injury Crashes	% HBD or Drug	B Injury Crashes	HBD or Drug B Injury Crashes	% HBD or Drug
2015	43,394	1,566	3.6	109	44	40.4	561	122	21.7	1,907	201	10.5
2016	45,172	1,703	3.8	141	52	36.9	645	132	20.5	2,200	286	13.0
2017	44,055	1,803	4.1	145	71	49.0	714	159	22.3	2,335	313	13.4
2018	44,401	1,667	3.8	136	67	49.3	678	161	23.7	2,232	240	10.8
2019	45,469**	1,745	3.8	121	38*	31.4*	682	158	23.2	2,334	282	12.1

Note: * Indicates that the most recent year is the lowest number or percentage reported in the 5-year period in that column
** Indicates that the most recent year is the highest number or percentage reported in the 5-year period in that column



Note: Had-Been-Drinking (HBD)

MDOT Region - University (continued)

2019 - Restraints Worn Among Vehicle Drivers and Injured Passengers by Vehicle Type

Vehicle Type	Total Occupants			Fatalities			A - Suspected Serious			B - Suspected Minor			C - Possible Injury			No Injury		
	Total	Used Restraint	%	Total	Used Restraint	%	Total	Used Restraint	%	Total	Used Restraint	%	Total	Used Restraint	%	Total	Used Restraint	%
Passenger car, SUV, van	62,841	58,006	92.3	76	47	61.8	507	395	77.9	2,206	2,008	91.0	5,355	5,091	95.1	51,698	50,465	97.6
Motor home	234	214	91.5	0	0	0.0	1	1	100.0	7	4	57.1	17	17	100.0	201	192	95.5
Pickup truck	8,569	7,813	91.2	13	5	38.5	78	57	73.1	262	225	85.9	489	447	91.4	7,287	7,078	97.1
Small truck under 10,000 lbs. GVWR	340	304	89.4	0	0	0.0	3	3	100.0	11	11	100.0	13	13	100.0	283	277	97.9
Motorcycle	477	309	64.8	23	9	39.1	108	66	61.1	163	112	68.7	81	60	74.1	92	62	67.4
Moped / goped	73	15	20.5	2	1	50.0	11	0	0.0	25	6	24.0	19	6	31.6	15	2	13.3
Go-cart / golf cart	10	4	40.0	0	0	0.0	0	0	0.0	3	1	33.3	1	1	100.0	5	2	40.0
Snowmobile	1	1	100.0	0	0	0.0	0	0	0.0	1	1	100.0	0	0	0.0	0	0	0.0
Off-Road Vehicle - ORV / All-Terrain Vehicle - ATV	25	3	12.0	0	0	0.0	4	0	0.0	11	3	27.3	3	0	0.0	6	0	0.0
Other	346	221	63.9	0	0	0.0	1	1	100.0	9	7	77.8	11	8	72.7	265	205	77.4
Truck/bus over 10,000 lbs.	2,716	2,424	89.2	5	1	20.0	16	9	56.3	39	23	59.0	115	65	56.5	2,419	2,326	96.2
Unknown	1,518	8	0.5	0	0	0.0	0	0	0.0	0	0	0.0	3	2	66.7	20	6	30.0
Total	**77,150**	**69,322**	**89.9**	**119**	**63**	**52.9**	**729**	**532**	**73.0**	**2,737**	**2,401**	**87.7**	**6,107**	**5,710**	**93.5**	**62,291**	**60,615**	**97.3**

Note: Restraint Use includes shoulder belt only used, lap belt only used, both lap and shoulder belts used, child restraint used, restraint failure, and helmet worn.

2019 - Restraints Worn Among Vehicle Drivers and Injured Passengers by Age

Age Group	Total Occupants			Fatalities			A - Suspected Serious			B - Suspected Minor			C - Possible Injury			No Injury		
	Total	Used Restraint	%	Total	Used Restraint	%	Total	Used Restraint	%	Total	Used Restraint	%	Total	Used Restraint	%	Total	Used Restraint	%
0 - 15	753	642	85.3	8	5	62.5	26	14	53.8	125	105	84.0	491	423	86.2	103	95	92.2
16 - 20	8,686	8,387	96.6	11	3	27.3	77	60	77.9	398	337	84.7	699	659	94.3	7,492	7,328	97.8
21 - 24	7,708	7,366	95.6	9	4	44.4	65	44	67.7	316	263	83.2	579	527	91.0	6,719	6,528	97.2
25 - 64	46,650	44,915	96.3	58	28	48.3	475	336	70.7	1,541	1,358	88.1	3,579	3,363	94.0	40,880	39,829	97.4
65 +	8,230	8,011	97.3	33	23	69.7	86	78	90.7	357	338	94.7	758	738	97.4	6,983	6,834	97.9
Unknown	5,123	1	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0	114	1	0.9
Total	**77,150**	**69,322**	**89.9**	**119**	**63**	**52.9**	**729**	**532**	**73.0**	**2,737**	**2,401**	**87.7**	**6,107**	**5,710**	**93.5**	**62,291**	**60,615**	**97.3**

Note: Restraint Use includes shoulder belt only used, lap belt only used, both lap and shoulder belts used, child restraint used, restraint failure, and helmet worn.

MDOT Region - University (continued)

5-Year Trend - Restraint Use Among Drivers

Restraint Use	2015			2016			2017			2018			2019		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
No belts available	209	1	36	179	0	29	117	0	17	121	1	20	118	0	11
Shoulder belt only used	71	0	9	287	0	41	234	0	38	219	0	30	200	1	20
Lap belt only used	183	2	20	169	0	19	141	0	16	122	1	20	147	0	14
Both lap & shoulder belts used	64,440	30	6,194	67,623	45	6,755	65,436	49	6,605	65,434	51	6,513	66,748	37	6,487
No belts used	469	15	152	438	19	166	387	24	159	372	23	154	420	21	214
Child restraint used	3	0	0	6	0	1	9	0	0	0	0	0	2	0	0
Child restraint not used, unavailable or improper use	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Restraint failure	15	0	3	15	0	1	13	0	5	13	0	1	16	0	2
Restraint use unknown	2,598	5	174	4,697	11	221	5,343	7	230	5,563	7	234	5,597	8	212
Helmet worn	359	11	241	316	11	235	317	14	227	294	16	211	309	10	235
Helmet not worn	220	10	158	227	18	160	199	11	152	186	8	138	201	8	150
Helmet use unknown	42	3	19	41	0	26	25	1	15	19	1	10	16	5	6
Uncoded & errors	3,299	0	2	1,995	0	2	1,200	0	1	1,134	0	0	1,125	0	0
Total	**71,909**	**77**	**7,008**	**75,994**	**104**	**7,656**	**73,421**	**106**	**7,465**	**73,477**	**108**	**7,331**	**74,899**	**90**	**7,351**

5-Year Trend - Restraint Use Among Drivers Coded Drinking

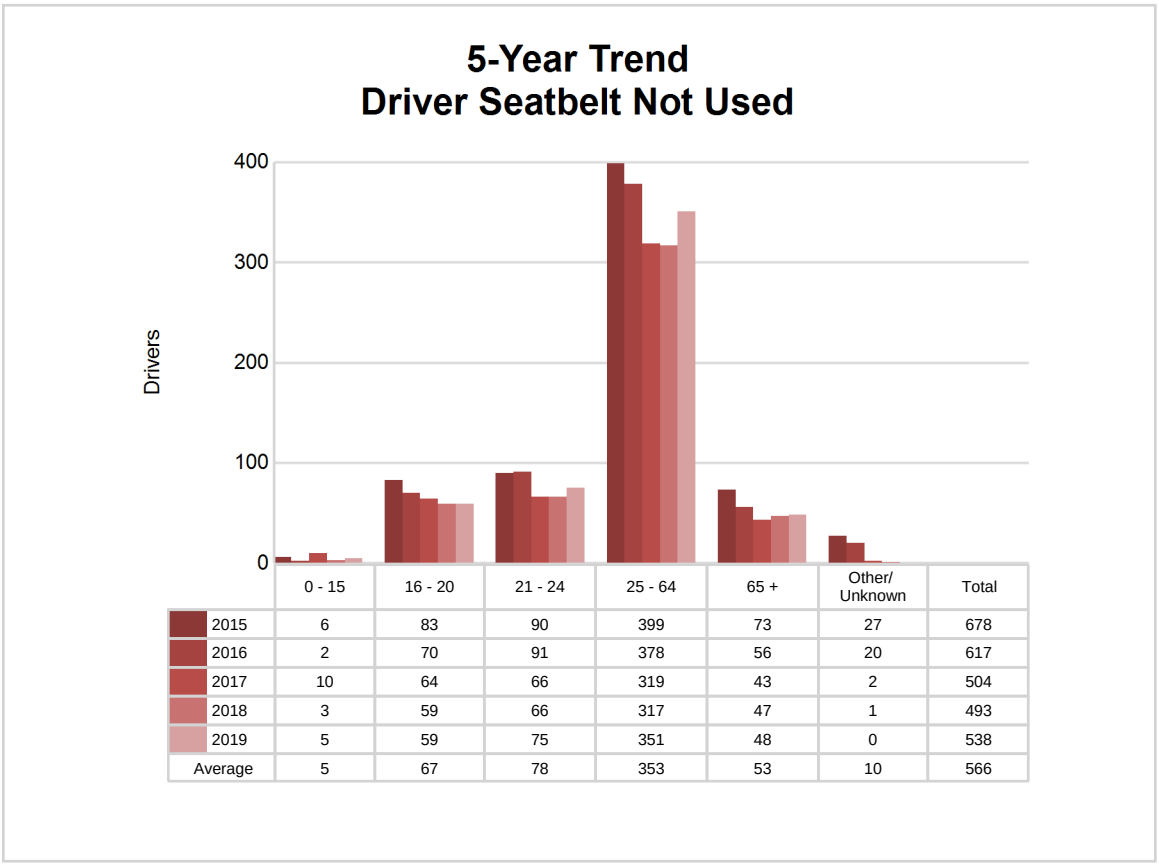
Restraint Use	2015			2016			2017			2018			2019		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
No belts available	9	0	5	4	0	2	1	0	0	4	0	1	3	0	2
Shoulder belt only used	0	0	0	9	0	1	2	0	1	7	0	2	6	0	0
Lap belt only used	6	2	2	3	0	0	3	0	2	1	0	0	3	0	2
Both lap & shoulder belts used	1,001	4	279	1,074	5	355	1,122	9	369	1,050	9	341	1,083	2	319
No belts used	69	7	40	77	7	48	98	12	54	81	9	47	112	6	77
Child restraint used	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Child restraint not used, unavailable or improper use	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Restraint failure	1	0	1	0	0	0	0	0	0	1	0	1	0	0	0
Restraint use unknown	205	1	67	228	1	85	279	5	89	238	3	80	227	3	80
Helmet worn	14	0	13	14	2	11	12	3	9	13	4	8	11	1	8
Helmet not worn	32	5	23	38	3	32	25	4	21	20	5	15	31	4	25
Helmet use unknown	3	1	1	2	0	1	2	0	2	2	0	0	1	1	0
Uncoded & errors	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0
Total	**1,340**	**20**	**431**	**1,452**	**18**	**535**	**1,545**	**33**	**547**	**1,417**	**30**	**495**	**1,477**	**17**	**513**

MDOT Region - University (continued)

5-Year Trend - Seatbelt Not Used Among Drivers by Age

Age Group	2015			2016			2017			2018			2019		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
0 - 15	6	0	3	2	0	1	10	0	4	3	0	0	5	0	0
16 - 20	83	1	24	70	1	26	64	1	26	59	0	24	59	4	26
21 - 24	90	2	35	91	3	34	66	5	28	66	4	24	75	3	40
25 - 64	399	12	112	378	11	111	319	16	109	317	15	113	351	11	145
65 +	73	1	13	56	4	23	43	2	9	47	5	13	48	3	14
Unknown	27	0	1	20	0	0	2	0	0	1	0	0	0	0	0
Total	**678**	**16**	**188**	**617**	**19**	**195**	**504**	**24**	**176**	**493**	**24**	**174**	**538**	**21**	**225**

Note: Seatbelt Not Used includes no belts available or no belts used.

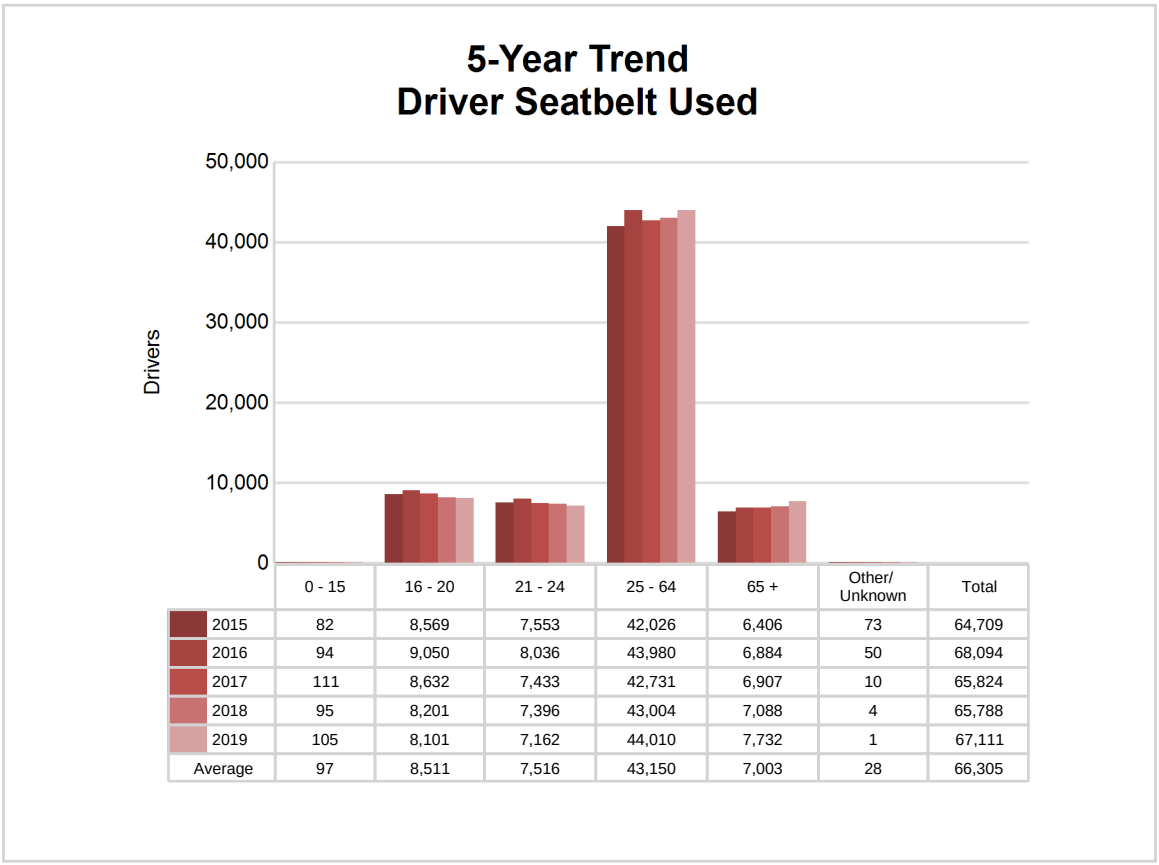


MDOT Region - University (continued)

5-Year Trend - Seatbelt Used Among Drivers by Age

Age Group	2015			2016			2017			2018			2019		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
0 - 15	82	0	9	94	0	9	111	0	13	95	0	6	105	0	10
16 - 20	8,569	6	875	9,050	5	899	8,632	2	905	8,201	7	847	8,101	2	779
21 - 24	7,553	5	672	8,036	3	782	7,433	3	753	7,396	6	675	7,162	1	642
25 - 64	42,026	15	3,986	43,980	26	4,327	42,731	32	4,212	43,004	27	4,190	44,010	20	4,203
65 +	6,406	6	684	6,884	11	799	6,907	12	781	7,088	12	845	7,732	15	889
Unknown	73	0	0	50	0	0	10	0	0	4	0	1	1	0	0
Total	**64,709**	**32**	**6,226**	**68,094**	**45**	**6,816**	**65,824**	**49**	**6,664**	**65,788**	**52**	**6,564**	**67,111**	**38**	**6,523**

Note: Seatbelt Used includes shoulder belt only used, lap belt only used, both lap and shoulder belts used, and restraint failure.



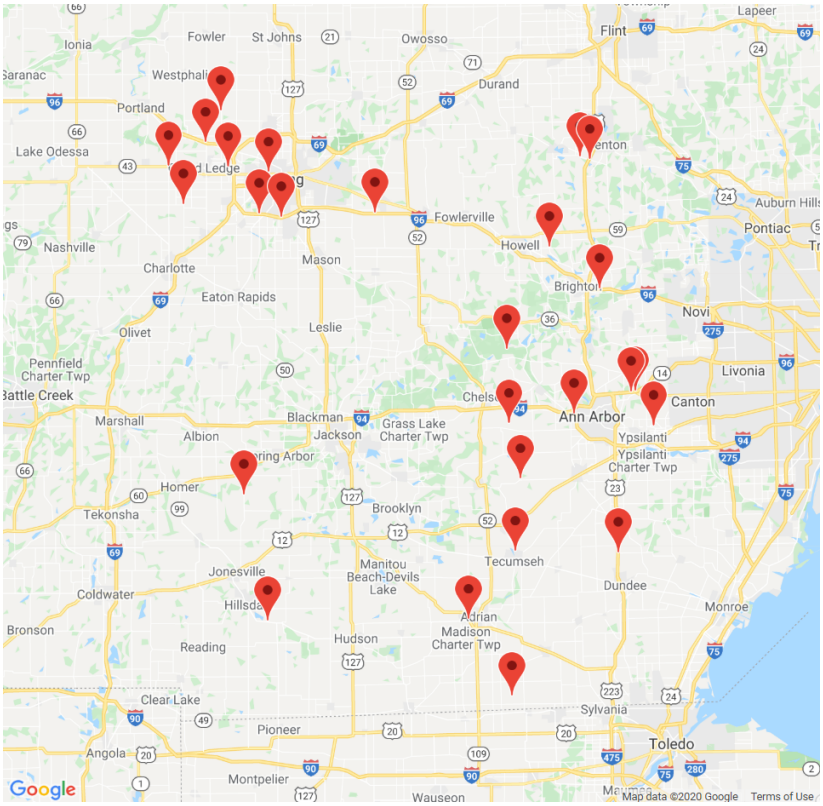
	0 - 15	16 - 20	21 - 24	25 - 64	65 +	Other/ Unknown	Total
2015	82	8,569	7,553	42,026	6,406	73	64,709
2016	94	9,050	8,036	43,980	6,884	50	68,094
2017	111	8,632	7,433	42,731	6,907	10	65,824
2018	95	8,201	7,396	43,004	7,088	4	65,788
2019	105	8,101	7,162	44,010	7,732	1	67,111
Average	97	8,511	7,516	43,150	7,003	28	66,305

MDOT Region - University (continued)

5-Year Trend - Drivers in Crashes by Hazardous Action

Hazardous Action	2015		2016		2017		2018		2019	
	Total Drivers in Crashes	Drivers in Fatal Crashes	Total Drivers in Crashes	Drivers in Fatal Crashes	Total Drivers in Crashes	Drivers in Fatal Crashes	Total Drivers in Crashes	Drivers in Fatal Crashes	Total Drivers in Crashes	Drivers in Fatal Crashes
None	37,724	82	38,985	98	37,378	108	37,971	102	38,838	77
Speed too fast	4,740	25	4,605	33	4,746	25	5,054	29	4,897	21
Speed too slow	44	0	38	0	33	0	41	0	34	0
Failed to yield	6,284	8	7,036	13	6,838	19	6,733	18	6,788	16
Disregard traffic control	1,265	7	1,305	8	1,251	7	1,262	7	1,276	5
Drove wrong way	48	1	49	0	42	2	47	2	37	0
Drove left of center	363	9	326	6	303	7	347	12	330	11
Improper passing	354	0	360	3	368	3	365	0	386	3
Improper lane use	1,496	1	1,740	1	1,681	2	1,662	1	1,856	2
Improper turn	701	0	738	1	679	2	690	0	758	1
Improper/no signal	125	0	99	0	90	0	96	0	63	0
Improper backing	1,106	0	1,098	0	1,066	0	987	0	1,029	0
Unable to stop in assured clear distance	9,844	6	11,032	10	10,313	9	9,854	6	10,022	6
Other	1,883	8	1,905	6	1,944	8	1,966	13	1,906	14
Unknown	2,253	17	2,608	18	2,853	18	2,869	20	2,966	24
Reckless driving	372	3	385	6	410	13	324	10	389	7
Careless/negligent driving	2,560	15	2,487	19	2,223	13	2,038	20	2,155	13
Uncoded & errors	747	0	1,198	3	1,203	0	1,171	3	1,169	8
Total	**71,909**	**182**	**75,994**	**225**	**73,421**	**236**	**73,477**	**243**	**74,899**	**208**

MDOT Region - University (continued)



The picture above represents all 2019 alcohol-involved fatal crashes in MDOT Region - University.

In 2019, there were 1,505 alcohol-involved crashes in MDOT Region - University:

26	K - Fatal Crashes
126	A - Suspected Serious Injury Crashes
247	B - Suspected Minor Injury Crashes
264	C - Possible Injury Crashes
842	O - Property Damage Only/No Injury Crashes

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