



2015

MTCF
Michigan Traffic
Crash Facts

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 = Incapacitating Injury

B = Non-incapacitating Injury

C = Possible Injury

O = No Injury

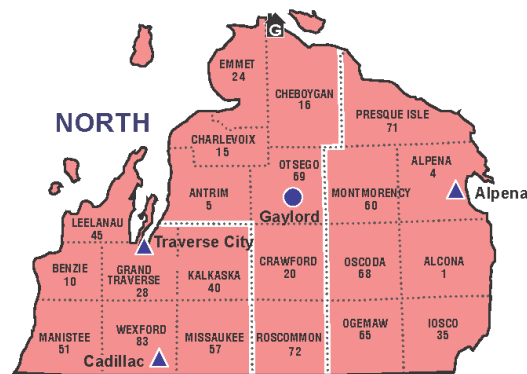
Property Damage Only (PDO)



MDOT Region - North

2015 Traffic Crash Data & 2011-2015 5-Year Trends

Beginning October 2015, MDOT Region - North is comprised of Alcona, Alpena, Antrim, Benzie, Charlevoix, Cheboygan, Crawford, Emmet, Grand Traverse, Iosco, Kalkaska, Leelanau, Manistee, Missaukee, Montmorency, Ogemaw, Oscoda, Otsego, Presque Isle, Roscommon, and Wexford 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 - North Experience

In 2015:

There were 24,545 drivers involved in 17,755 motor vehicle crashes in MDOT Region North. Of those crashes, 64 were classified as fatal, resulting in 69 fatalities. An additional 3,303 persons were injured.

MDOT Region North experienced the highest number of motor vehicle crashes (2,187) in November, the highest number of fatal crashes (9) in July and August, and the highest number of persons killed (10) in August.

Michigan driver statistics indicate 5.6 percent of licensed drivers in MDOT Region North were age 16-20, and 10.9 percent of drivers in crashes were also in that age group.

2015 - Crashes and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only (PDO)	Fatalities	Injuries
January	1,797	5	198	1,594	6	270
February	1,538	4	177	1,357	5	251
March	1,125	2	139	984	2	182
April	1,074	2	115	957	2	144
May	1,173	7	210	956	8	282
June	1,606	4	199	1,403	4	262
July	1,505	9	289	1,207	9	404
August	1,363	9	266	1,088	10	389
September	1,264	8	204	1,052	9	286
October	1,684	2	196	1,486	2	275
November	2,187	7	209	1,971	7	308
December	1,439	5	181	1,253	5	250
Total	17,755	64	2,383	15,308	69	3,303

2015 - Driver Statistics

Age Group	MDOT Region - North			Driver Rates	
	2015 Population	Licensed Drivers	Drivers in Crashes	Per 10k Population	Per 10k Licensed
0 - 15	84,764	2,821	49	5.8	173.7
16 - 20	27,033	22,675	2,675	989.5	1,179.7
21 - 24	21,182	21,204	1,923	907.8	906.9
25 - 64	257,081	248,157	15,455	601.2	622.8
65 +	116,358	110,552	3,531	303.5	319.4
Unknown	--	--	912	--	--
Total	506,418	405,409	24,545	484.7	605.4

2015 - 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 & station wagon	17,402	70.9	52	55.3	2,548	14,802
Van & motorhome	864	3.5	2	2.1	120	742
Pickup truck	4,693	19.1	16	17.0	667	4,010
Small truck under 10,000 lbs. GVWR	430	1.8	0	0.0	59	371
Cycle	197	0.8	9	9.6	134	54
Moped	26	0.1	0	0.0	23	3
Go Cart	2	0.0	0	0.0	2	0
Snowmobile	49	0.2	1	1.1	33	15
Off-Road Vehicle (ORV) & All-Terrain Vehicle (ATV)	72	0.3	3	3.2	63	6
Other	90	0.4	1	1.1	19	70
Truck/bus over 10,000 lbs.	477	1.9	10	10.6	71	396
Unknown	243	1.0	0	0.0	18	225
Total	24,545	100.0	94	100.0	3,757	20,694

MDOT Region - North (continued)

5-Year Trend - Crashes by Month

Month	2011		2012		2013		2014		2015	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
January	1,933	8	1,891	5	1,853	5	2,155	3	1,797	5
February	1,259	6	1,492	4	1,483	9	1,579	4	1,538	4
March	1,312	5	1,052	2	1,282	2	1,607	1	1,125	2
April	1,116	3	862	2	1,243	3	1,178	4	1,074	2
May	1,083	5	1,102	7	1,137	3	1,156	6	1,173	7
June	1,541	7	1,428	8	1,473	6	1,421	4	1,606	4
July	1,451	5	1,373	7	1,407	9	1,370	5	1,505	9
August	1,205	4	1,230	6	1,323	9	1,260	5	1,363	9
September	1,377	4	1,354	2	1,341	15	1,189	9	1,264	8
October	1,757	2	1,781	2	1,673	3	1,643	3	1,684	2
November	2,074 †	4	2,214 †	6	2,473 †	9	2,575 †	6	2,187 †	7
December	1,988	8	1,736	5	2,296	4	1,771	4	1,439	5
Total	18,096	61	17,515	56	18,984	77	18,904	54	17,755	64

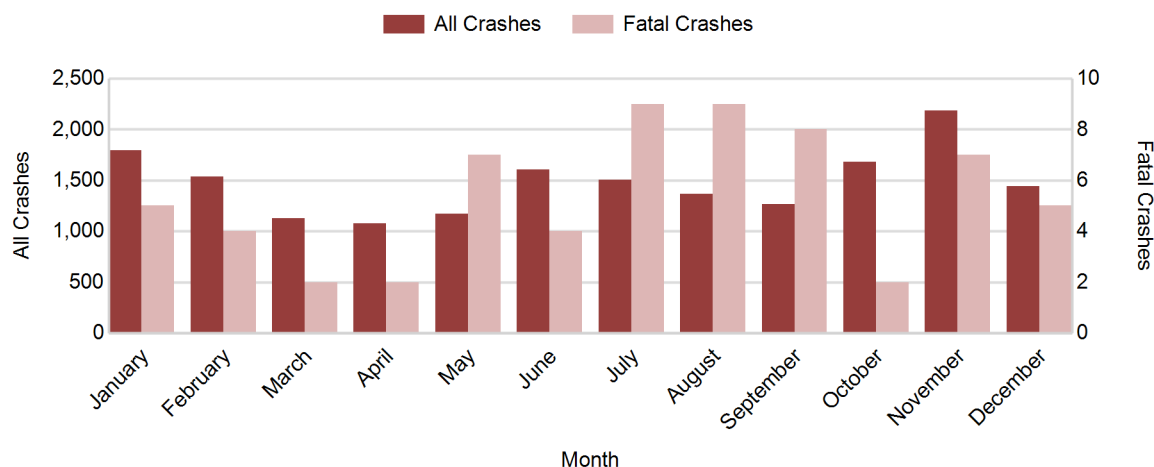
Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred in the same month

5-Year Trend - Crashes by Day of Week

Day	2011		2012		2013		2014		2015	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Monday	2,489	5	2,477	5	2,718	12	2,626	9	2,469	7
Tuesday	2,582	9	2,347	6	2,833	9	2,777	5	2,462	9
Wednesday	2,489	6	2,377	7	2,776	7	2,827	7	2,688	15
Thursday	2,786	11	2,598	4	2,955	6	2,801	5	2,698	8
Friday	2,958 †	9	3,194 †	11	3,051 †	15	3,289 †	6	2,890 †	13
Saturday	2,669	11	2,421	11	2,587	16	2,388	13	2,437	7
Sunday	2,123	10	2,101	12	2,064	12	2,196	9	2,111	5
Total	18,096	61	17,515	56	18,984	77	18,904	54	17,755	64

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

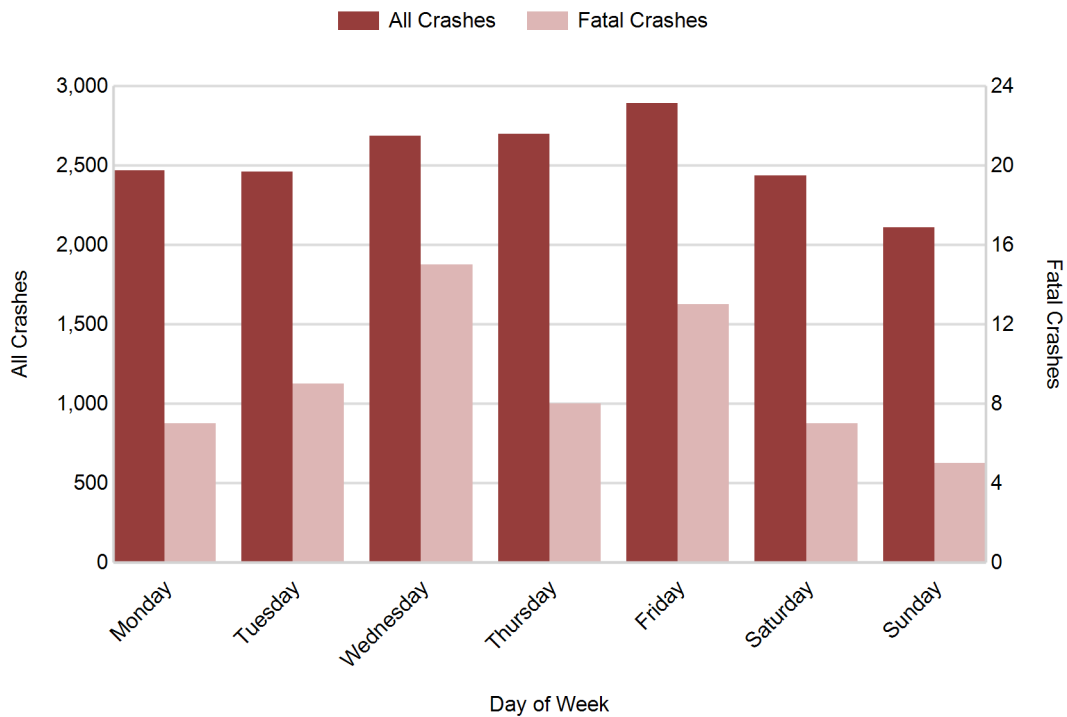
2015 Crashes by Month



2015 - 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	2,469	13.9	7	10.9	26	78	209	2,149
Tuesday	2,462	13.9	9	14.1	32	83	181	2,157
Wednesday	2,688	15.1	15	23.4	36	103	199	2,335
Thursday	2,698	15.2	8	12.5	36	100	212	2,342
Friday	2,890	16.3	13	20.3	42	125	230	2,480
Saturday	2,437	13.7	7	10.9	51	107	193	2,079
Sunday	2,111	11.9	5	7.8	44	111	185	1,766
Total	17,755	100.0	64	100.0	267	707	1,409	15,308

2015 Day of Week and Severity

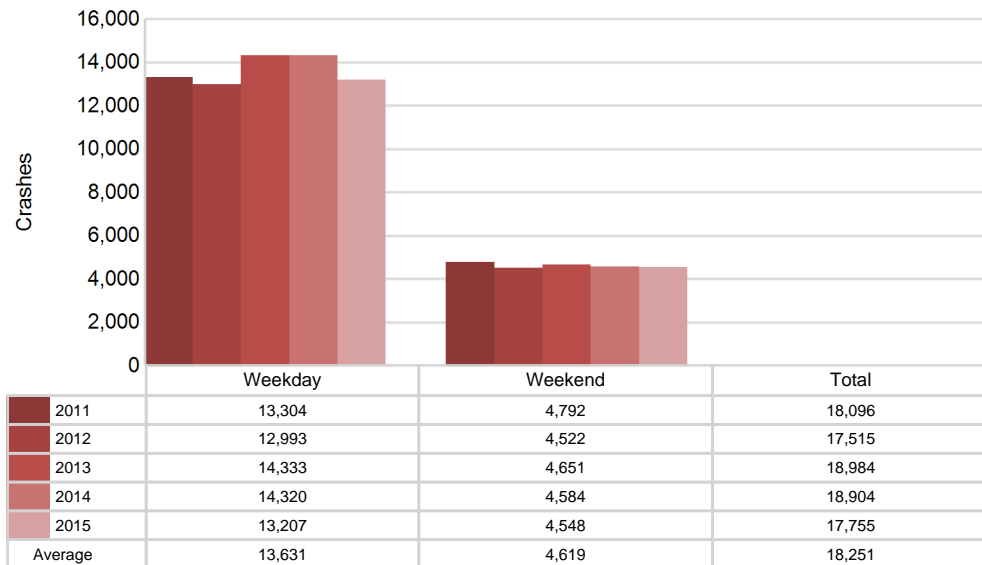


MDOT Region - North (continued)

5-Year Trend - Crashes by Weekday and Weekend

Portion of Week	2011		2012		2013		2014		2015	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Weekday	13,304	40	12,993	33	14,333	49	14,320	32	13,207	52
Weekend	4,792	21	4,522	23	4,651	28	4,584	22	4,548	12
Total	18,096	61	17,515	56	18,984	77	18,904	54	17,755	64

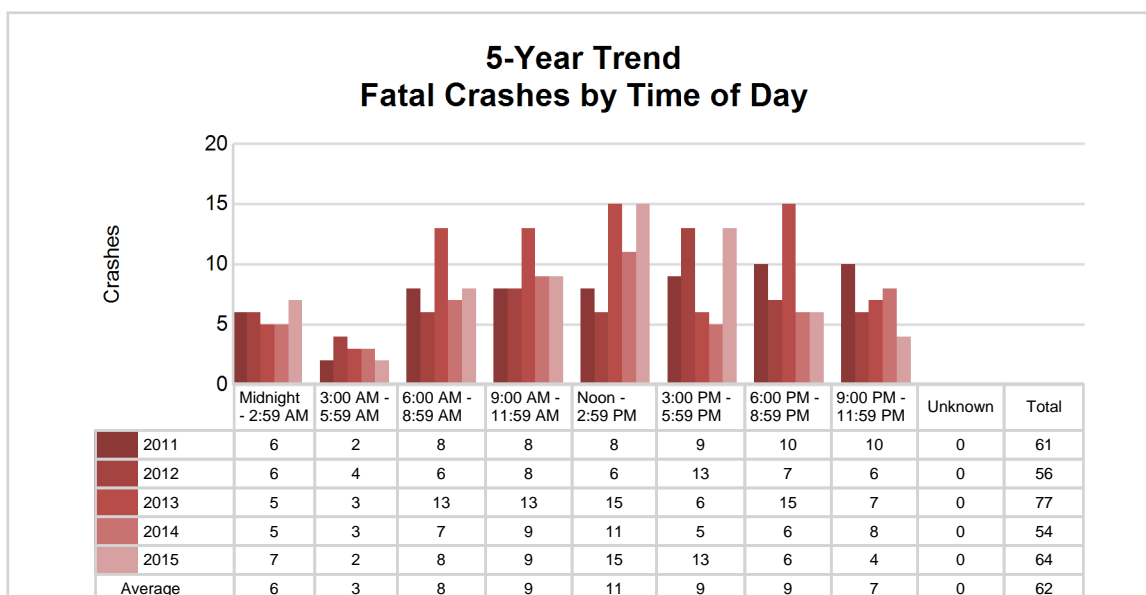
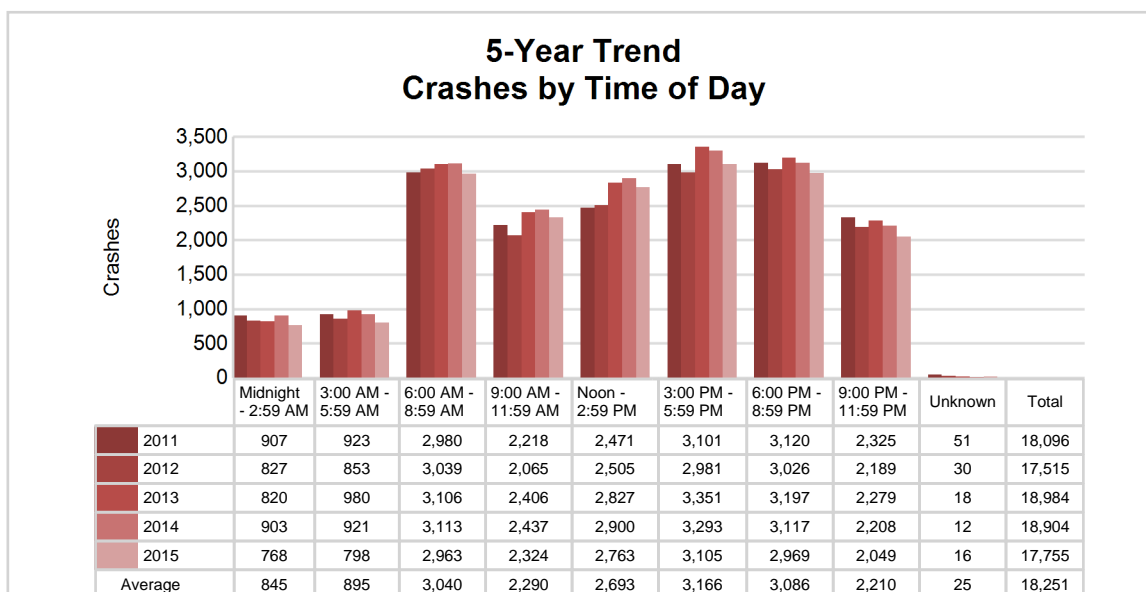
5-Year Crash Trends by Weekday (Monday - Friday) and Weekend (Saturday & Sunday)



5-Year Trend - Crashes by Time of Day

Time of Day	2011		2012		2013		2014		2015	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	907	6	827	6	820	5	903	5	768	7
3:00 AM - 5:59 AM	923	2	853	4	980	3	921	3	798	2
6:00 AM - 8:59 AM	2,980	8	3,039	6	3,106	13	3,113	7	2,963	8
9:00 AM - 11:59 AM	2,218	8	2,065	8	2,406	13	2,437	9	2,324	9
Noon - 2:59 PM	2,471	8	2,505	6	2,827	15	2,900	11	2,763	15
3:00 PM - 5:59 PM	3,101	9	2,981	13	3,351	6	3,293	5	3,105	13
6:00 PM - 8:59 PM	3,120	10	3,026	7	3,197	15	3,117	6	2,969	6
9:00 PM - 11:59 PM	2,325	10	2,189	6	2,279	7	2,208	8	2,049	4
Unknown	51	0	30	0	18	0	12	0	16	0
Total	18,096	61	17,515	56	18,984	77	18,904	54	17,755	64

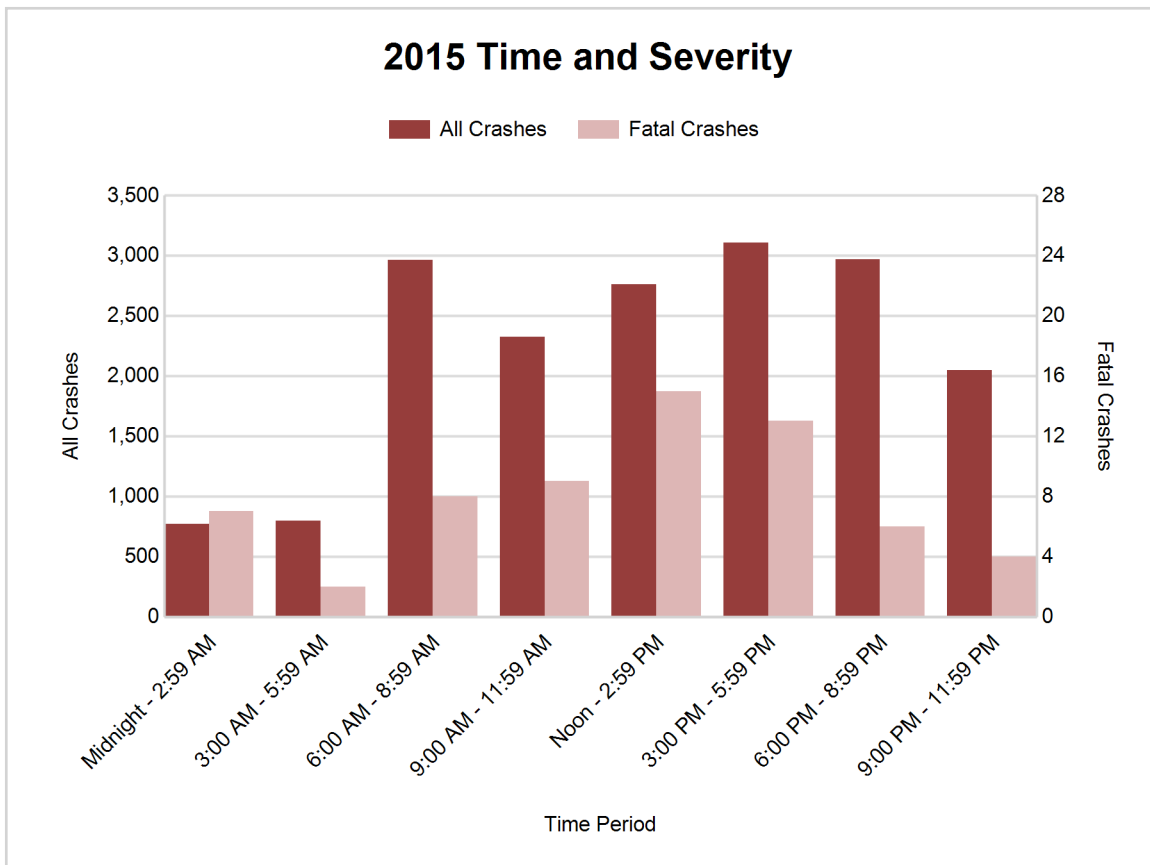
Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred in the same time period



MDOT Region - North (continued)

2015 - Time and Severity

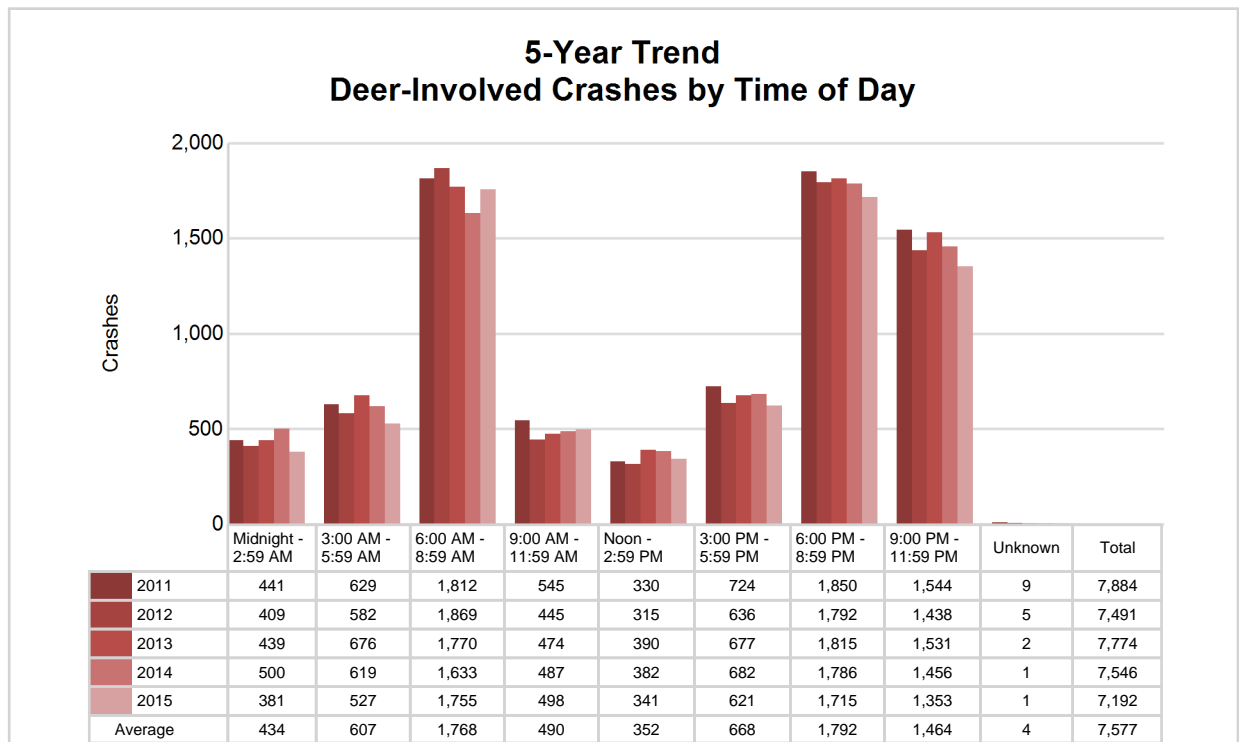
Time of Day	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	Number
Midnight - 2:59 AM	768	4.3	7	10.9	13	41	52	655
3:00 AM - 5:59 AM	798	4.5	2	3.1	14	24	29	729
6:00 AM - 8:59 AM	2,963	16.7	8	12.5	20	81	151	2,703
9:00 AM - 11:59 AM	2,324	13.1	9	14.1	37	87	253	1,938
Noon - 2:59 PM	2,763	15.6	15	23.4	55	162	306	2,225
3:00 PM - 5:59 PM	3,105	17.5	13	20.3	61	149	329	2,553
6:00 PM - 8:59 PM	2,969	16.7	6	9.4	43	96	174	2,650
9:00 PM - 11:59 PM	2,049	11.5	4	6.3	24	67	114	1,840
Unknown	16	0.1	0	0.0	0	0	1	15
Total	17,755	100.0	64	100.0	267	707	1,409	15,308



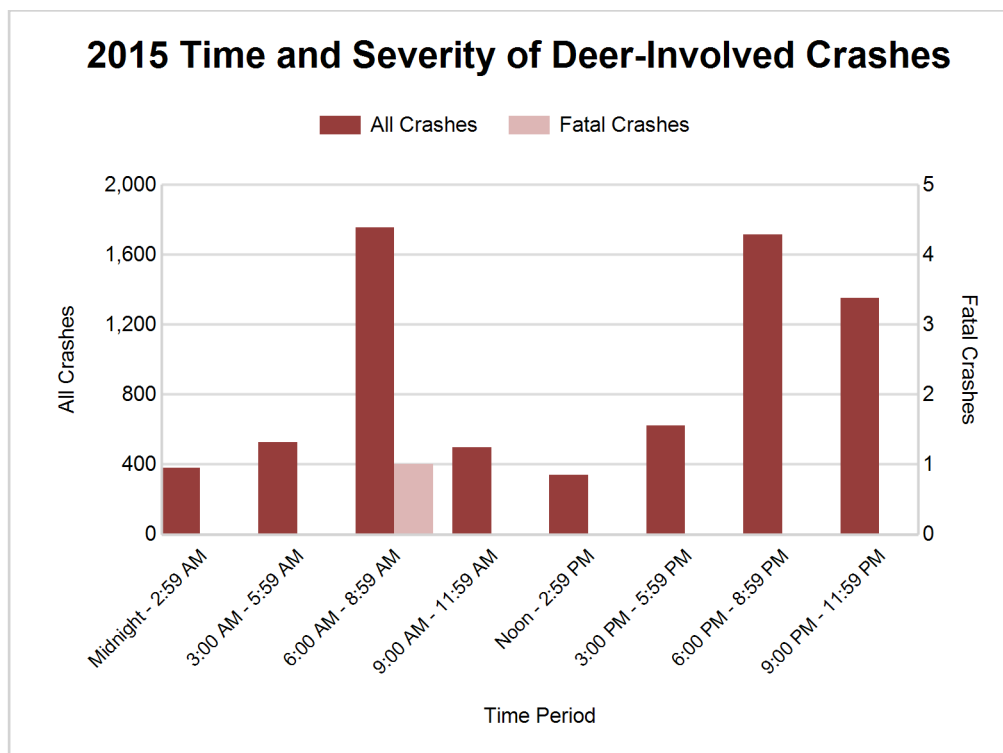
5-Year Trend - Deer-Involved Crashes by Time of Day

Time of Day	2011		2012		2013		2014		2015	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	441	0	409	0	439	0	500	0	381	0
3:00 AM - 5:59 AM	629	0	582	0	676	0	619	0	527	0
6:00 AM - 8:59 AM	1,812	0	1,869	0	1,770	0	1,633	0	1,755	1
9:00 AM - 11:59 AM	545	0	445	0	474	0	487	0	498	0
Noon - 2:59 PM	330	0	315	0	390	0	382	0	341	0
3:00 PM - 5:59 PM	724	0	636	0	677	0	682	0	621	0
6:00 PM - 8:59 PM	1,850	0	1,792	0	1,815	0	1,786	0	1,715	0
9:00 PM - 11:59 PM	1,544	0	1,438	0	1,531	0	1,456	0	1,353	0
Unknown	9	0	5	0	2	0	1	0	1	0
Total	7,884	0	7,491	0	7,774	0	7,546	0	7,192	1

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



MDOT Region - North (continued)



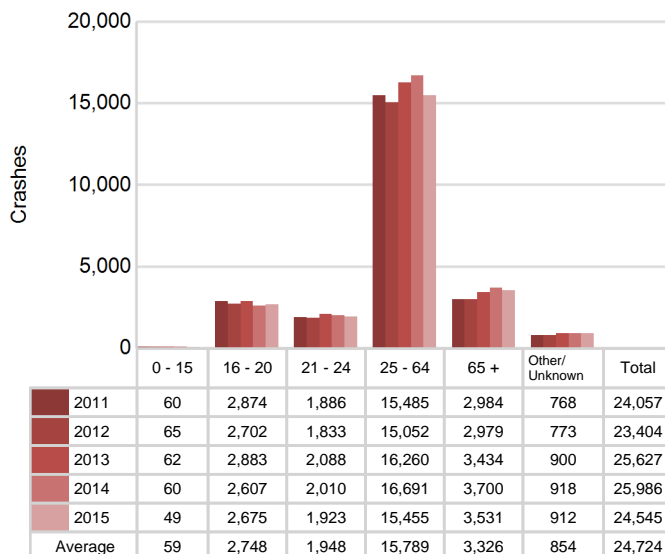
2015 - Reported Motor Vehicle Crashes by County

County	Crashes											Persons	
	Total	Fatal	Injury	Property Damage	Inter-state	US Route	State Route	Local Street	Alcohol-Involved	Drug-Involved	Deer-Involved	Fatalities	Injuries
Alcona	565	1	43	521	0	91	130	344	12	2	443	1	54
Alpena	798	2	120	676	0	176	170	452	33	6	291	2	154
Antrim	803	3	103	697	0	184	135	484	21	3	409	3	143
Benzie	557	4	68	485	0	146	123	288	16	4	281	4	92
Charlevoix	1,087	1	110	976	0	291	223	573	24	6	540	2	147
Cheboygan	885	0	136	749	191	54	214	426	33	3	409	0	177
Crawford	511	1	72	438	146	17	148	200	9	2	228	1	103
Emmet	1,393	3	175	1,215	11	498	111	773	46	14	442	4	238
Grand Traverse	3,439	10	490	2,939	0	1,015	431	1,993	104	29	629	11	697
Iosco	541	3	109	429	0	138	105	298	19	3	198	3	149
Kalkaska	497	3	80	414	0	114	120	263	14	0	207	3	114
Leelanau	635	4	70	561	0	0	306	329	35	3	293	4	102
Manistee	910	0	107	803	0	280	154	476	29	4	455	0	154
Missaukee	589	4	65	520	0	0	244	345	20	4	368	5	80
Montmorency	318	0	37	281	0	0	141	177	6	0	198	0	44
Ogemaw	779	5	105	669	131	0	250	398	21	8	418	5	154
Oscoda	262	0	39	223	0	0	131	131	5	1	144	0	49
Otsego	866	7	151	708	212	0	227	427	27	7	226	7	216
Presque Isle	526	2	41	483	0	98	157	271	18	4	364	2	60
Roscommon	701	2	102	597	85	88	220	308	26	4	306	2	149
Wexford	1,093	9	160	924	0	319	296	478	29	10	343	10	227
Total	17,755	64	2,383	15,308	776	3,509	4,036	9,434	547	117	7,192	69	3,303

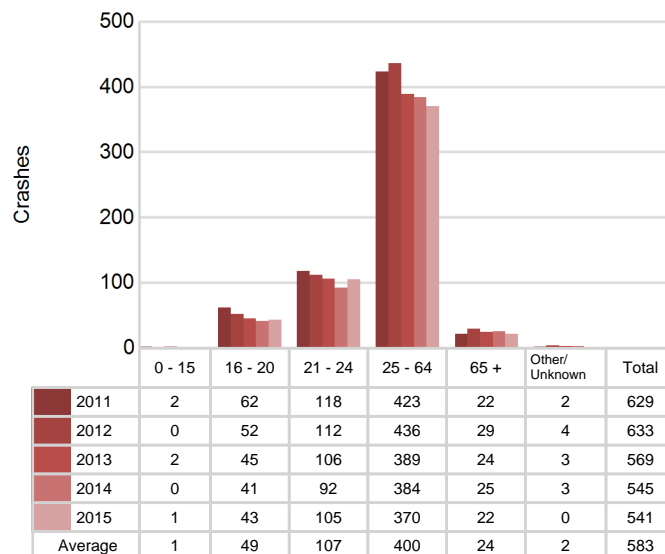
5-Year Trend - Drivers in Crashes Coded Drinking by Driver Age

Driver Age	2011		2012		2013		2014		2015	
	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	60	2	65	0	62	2	60	0	49	1
16 - 20	2,874	62	2,702	52	2,883	45	2,607	41	2,675	43
21 - 24	1,886	118	1,833	112	2,088	106	2,010	92	1,923	105
25 - 64	15,485	423	15,052	436	16,260	389	16,691	384	15,455	370
65 +	2,984	22	2,979	29	3,434	24	3,700	25	3,531	22
Unknown	768	2	773	4	900	3	918	3	912	0
Total	24,057	629	23,404	633	25,627	569	25,986	545	24,545	541

5-Year Trend Total Drivers in Crashes by Age



5-Year Trend Total Drivers Coded Drinking by Age



MDOT Region - North (continued)

2015 - 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	1	1	0	1	0	0	0	0	1
16 - 20	57	75	36	43	0	7	18	5	13
21 - 24	112	122	92	105	1	15	35	31	23
25 - 64	464	510	321	370	4	30	104	119	113
65 +	37	59	19	22	0	6	6	3	7
Unknown	29	0	0	0	0	0	0	0	0
Total	700	767	468	541	5	58	163	158	157

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 2015, there were 700 drivers in alcohol-involved crashes; 541 (77.3%) of those drivers were coded as had-been-drinking by the officer on the crash form.

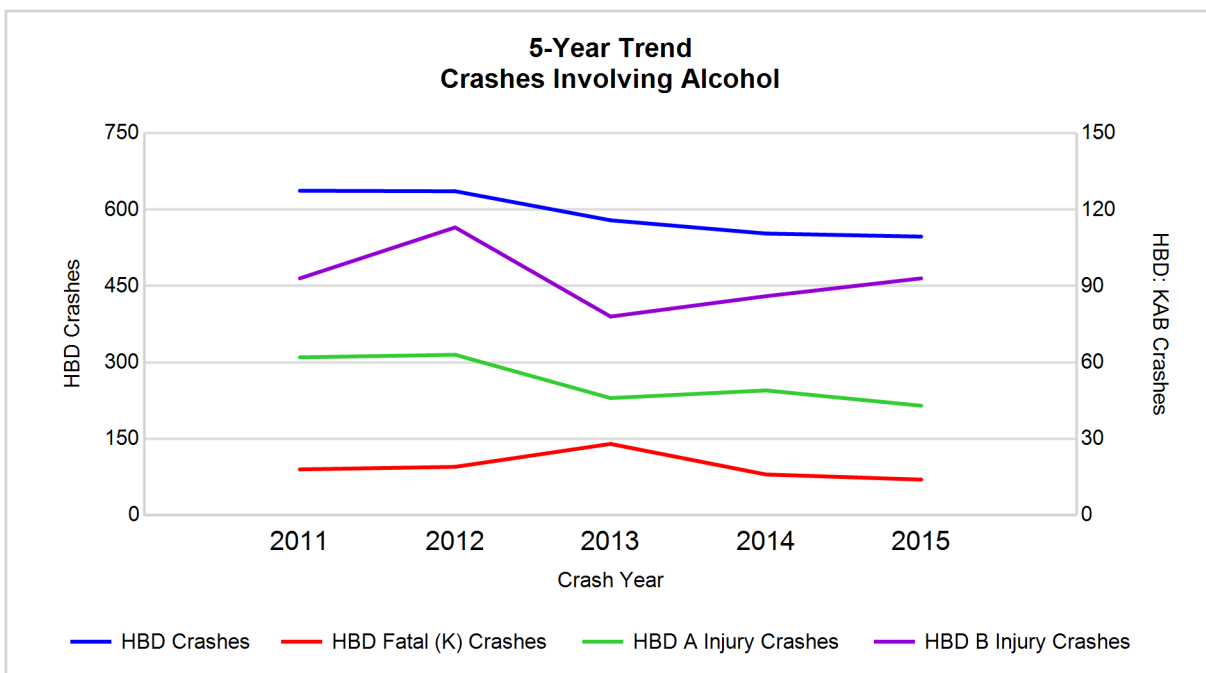
- 321 (59.3%) of the 541 drivers had a blood alcohol concentration (BAC) of 0.08 g/dL (grams per deciliter) or greater, and 158 (49.2%) of the 321 drivers had a BAC at or above 0.17 g/dL.
- 468 (86.5%) of the 541 drivers were coded as had-been-drinking and were tested for alcohol consumption.

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
2011	18,096	637	3.5	61	18	29.5	346	62	17.9	795	93	11.7
2012	17,515	636	3.6	56	19	33.9	345	63	18.3	773	113	14.6
2013	18,984	579	3.0	77	28	36.4	318	46	14.5	732	78	10.7
2014	18,904	553	2.9	54	16	29.6	291	49	16.8	679	86	12.7
2015	17,755	547*	3.1	64	14*	21.9*	267*	43*	16.1	707	93	13.2

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



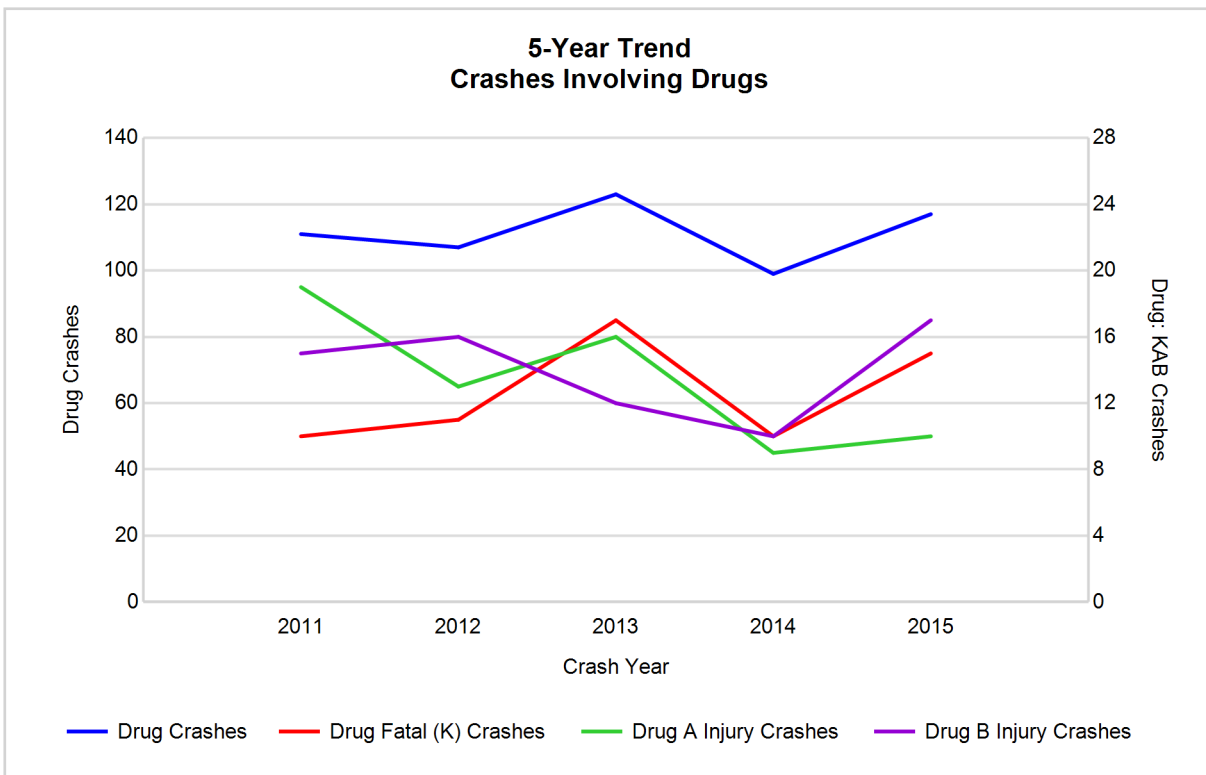
Note: Had-Been-Drinking (HBD)

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
2011	18,096	111	0.6	61	10	16.4	346	19	5.5	795	15	1.9
2012	17,515	107	0.6	56	11	19.6	345	13	3.8	773	16	2.1
2013	18,984	123	0.6	77	17	22.1	318	16	5.0	732	12	1.6
2014	18,904	99	0.5	54	10	18.5	291	9	3.1	679	10	1.5
2015	17,755	117	0.7**	64	15	23.4**	267*	10	3.7	707	17**	2.4**

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



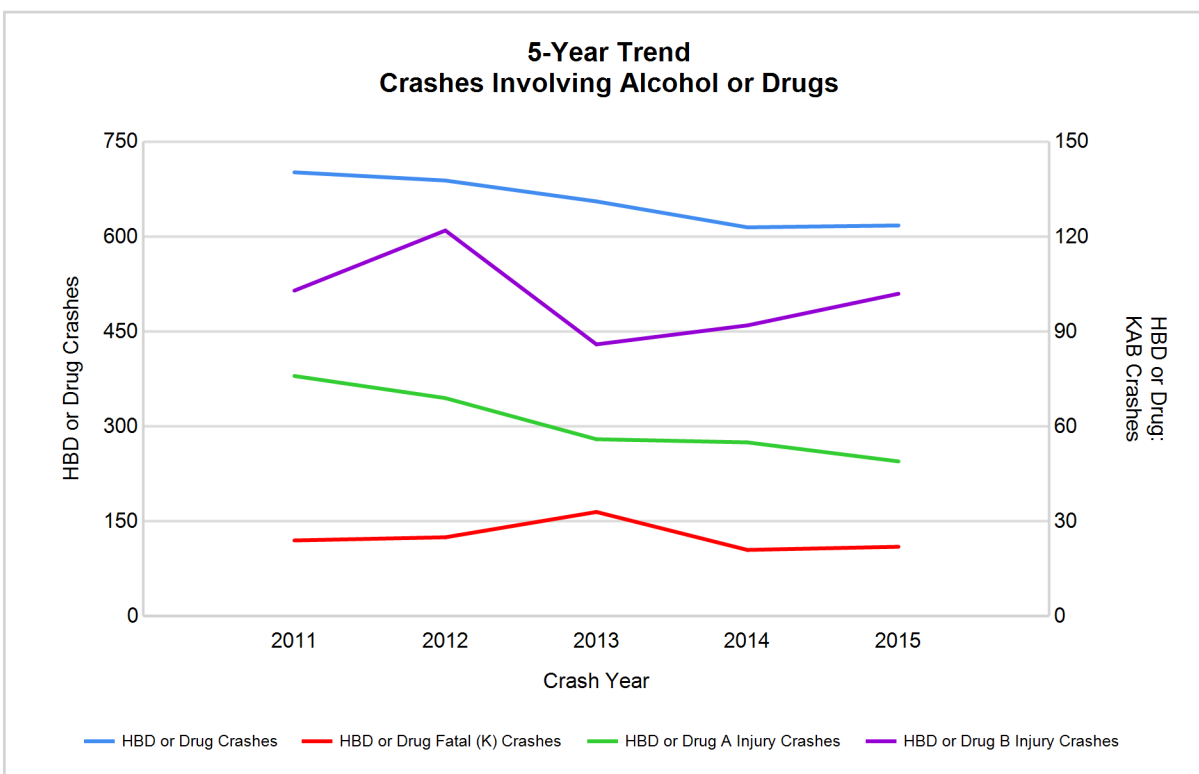
MDOT Region - North (continued)

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
2011	18,096	702	3.9	61	24	39.3	346	76	22.0	795	103	13.0
2012	17,515	689	3.9	56	25	44.6	345	69	20.0	773	122	15.8
2013	18,984	656	3.5	77	33	42.9	318	56	17.6	732	86	11.7
2014	18,904	615	3.3	54	21	38.9	291	55	18.9	679	92	13.5
2015	17,755	618	3.5	64	22	34.4*	267*	49*	18.4	707	102	14.4

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



Note: Had-Been-Drinking (HBD)

2015 - Restraints Worn Among Vehicle Drivers and Injured Passengers by Vehicle Type

Vehicle Type	Total Occupants			Fatalities			A - Incapacitating			B - Non-incapacitating			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 & station wagon	18,053	17,080	94.6	38	20	52.6	185	132	71.4	559	514	91.9	1,519	1,448	95.3	15,316	14,956	97.6
Van & motorhome	906	851	93.9	2	1	50.0	9	7	77.8	27	19	70.4	71	68	95.8	774	755	97.5
Pickup truck	4,857	4,537	93.4	11	6	54.5	41	24	58.5	142	118	83.1	297	268	90.2	4,216	4,113	97.6
Small truck under 10,000 lbs. GVWR	440	405	92.0	0	0	0.0	3	0	0.0	10	10	100.0	25	24	96.0	385	370	96.1
Cycle	212	140	66.0	9	7	77.8	41	27	65.9	55	38	69.1	51	31	60.8	55	37	67.3
Moped	27	12	44.4	0	0	0.0	7	4	57.1	10	4	40.0	5	2	40.0	5	2	40.0
Go Cart	4	0	0.0	0	0	0.0	0	0	0.0	3	0	0.0	0	0	0.0	1	0	0.0
Snowmobile	53	42	79.2	1	1	100.0	8	8	100.0	14	11	78.6	10	7	70.0	19	15	78.9
Off-Road Vehicle (ORV) & All-Terrain Vehicle (ATV)	80	43	53.8	3	1	33.3	15	10	66.7	29	14	48.3	22	13	59.1	11	5	45.5
Other	90	56	62.2	0	0	0.0	2	0	0.0	2	0	0.0	4	2	50.0	76	54	71.1
Truck/bus over 10,000 lbs.	487	453	93.0	2	1	50.0	3	1	33.3	12	8	66.7	15	11	73.3	446	431	96.6
Unknown	243	4	1.6	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	5	3	60.0
Total	25,452	23,623	92.8	66	37	56.1	314	213	67.8	863	736	85.3	2,019	1,874	92.8	21,309	20,741	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.

2015 - Restraints Worn Among Vehicle Drivers and Injured Passengers by Age

Age Group	Total Occupants			Fatalities			A - Incapacitating			B - Non-incapacitating			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	271	229	84.5	2	1	50.0	17	10	58.8	69	53	76.8	153	139	90.8	30	26	86.7
16 - 20	2,832	2,712	95.8	7	5	71.4	42	25	59.5	133	113	85.0	302	274	90.7	2,343	2,292	97.8
21 - 24	1,990	1,892	95.1	4	1	25.0	28	21	75.0	83	73	88.0	156	140	89.7	1,718	1,657	96.4
25 - 64	15,790	15,219	96.4	32	16	50.0	172	113	65.7	454	384	84.6	1,091	1,014	92.9	14,010	13,680	97.6
65 +	3,655	3,557	97.3	21	14	66.7	55	44	80.0	121	113	93.4	314	305	97.1	3,138	3,077	98.1
Unknown	914	14	1.5	0	0	0.0	0	0	0.0	3	0	0.0	3	2	66.7	70	9	12.9
Total	25,452	23,623	92.8	66	37	56.1	314	213	67.8	863	736	85.3	2,019	1,874	92.8	21,309	20,741	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 - North (continued)

5-Year Trend - Restraint Use Among Drivers

Restraint Use	2011			2012			2013			2014			2015		
	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	187	0	30	209	0	32	120	1	26	202	0	22	120	1	18
Shoulder belt only used	12	0	1	16	0	4	15	0	3	39	0	9	45	0	11
Lap belt only used	95	0	5	83	0	8	68	0	12	86	0	5	79	0	5
Both lap & shoulder belts used	22,084	23	2,001	21,444	22	1,844	23,650	26	1,982	23,839	17	1,839	22,521	15	1,913
No belts used	206	14	103	185	12	90	161	15	67	202	5	75	182	15	81
Child restraint used	0	0	0	4	0	0	2	0	0	1	0	0	0	0	0
Child restraint not used, unavailable or improper use	5	0	1	4	0	0	3	0	0	1	0	0	1	0	1
Restraint failure	14	0	1	12	0	2	16	0	1	7	1	1	4	0	0
Restraint use unknown	425	2	67	447	3	54	488	2	57	515	2	66	479	5	49
Helmet worn	337	7	257	286	6	203	268	8	192	257	7	192	216	8	150
Helmet not worn	22	2	19	64	4	52	75	8	62	65	1	48	91	3	68
Helmet use unknown	6	0	2	15	1	7	11	2	5	9	0	3	17	1	9
Uncoded & errors	664	0	6	635	0	5	750	0	2	763	0	2	790	0	2
Total	24,057	48	2,493	23,404	48	2,301	25,627	62	2,409	25,986	33	2,262	24,545	48	2,307

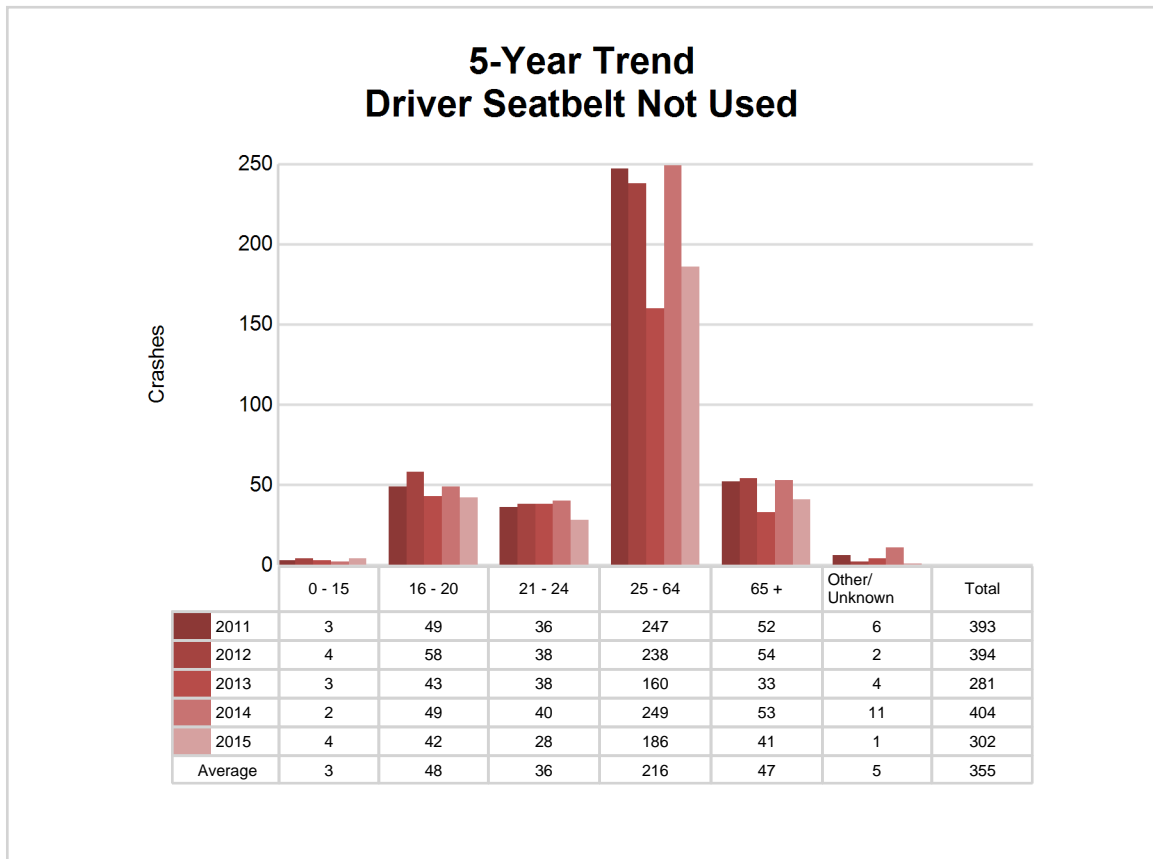
5-Year Trend - Restraint Use Among Drivers Coded Drinking

Restraint Use	2011			2012			2013			2014			2015		
	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	11	0	5	3	0	1	3	0	2	6	0	1	4	0	3
Shoulder belt only used	0	0	0	4	0	2	2	0	2	2	0	2	2	0	0
Lap belt only used	1	0	0	2	0	0	3	0	2	2	0	0	1	0	1
Both lap & shoulder belts used	432	6	115	445	4	129	390	5	99	375	3	100	392	2	120
No belts used	50	4	34	51	9	30	36	9	16	38	3	30	42	5	25
Child restraint used	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0
Restraint use unknown	97	1	27	90	1	31	94	1	26	87	1	31	74	1	24
Helmet worn	20	4	10	20	3	15	21	4	15	18	3	13	12	4	8
Helmet not worn	10	0	10	11	0	10	18	4	13	12	0	12	12	0	12
Helmet use unknown	3	0	1	2	0	2	0	0	0	1	0	0	1	0	1
Uncoded & errors	5	0	1	5	0	0	2	0	0	2	0	0	1	0	0
Total	629	15	203	633	17	220	569	23	175	545	10	189	541	12	194

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

Age Group	2011			2012			2013			2014			2015		
	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	3	0	2	4	0	2	3	0	2	2	0	0	4	0	1
16 - 20	49	1	18	58	1	21	43	0	23	49	1	14	42	1	18
21 - 24	36	0	20	38	4	13	38	2	8	40	0	16	28	1	8
25 - 64	247	11	82	238	4	70	160	11	52	249	3	58	186	9	62
65 +	52	2	10	54	3	16	33	3	8	53	1	9	41	5	10
Unknown	6	0	1	2	0	0	4	0	0	11	0	0	1	0	0
Total	393	14	133	394	12	122	281	16	93	404	5	97	302	16	99

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



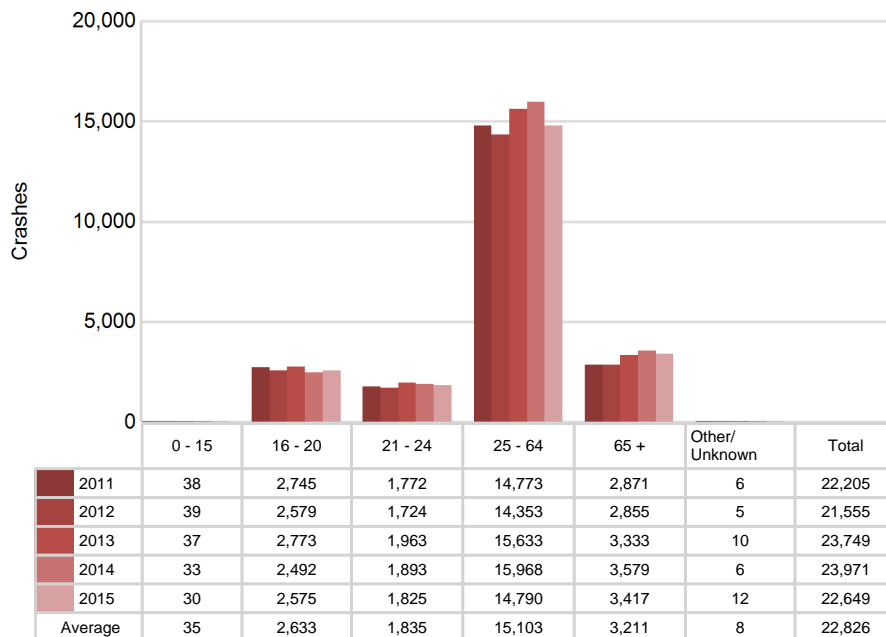
MDOT Region - North (continued)

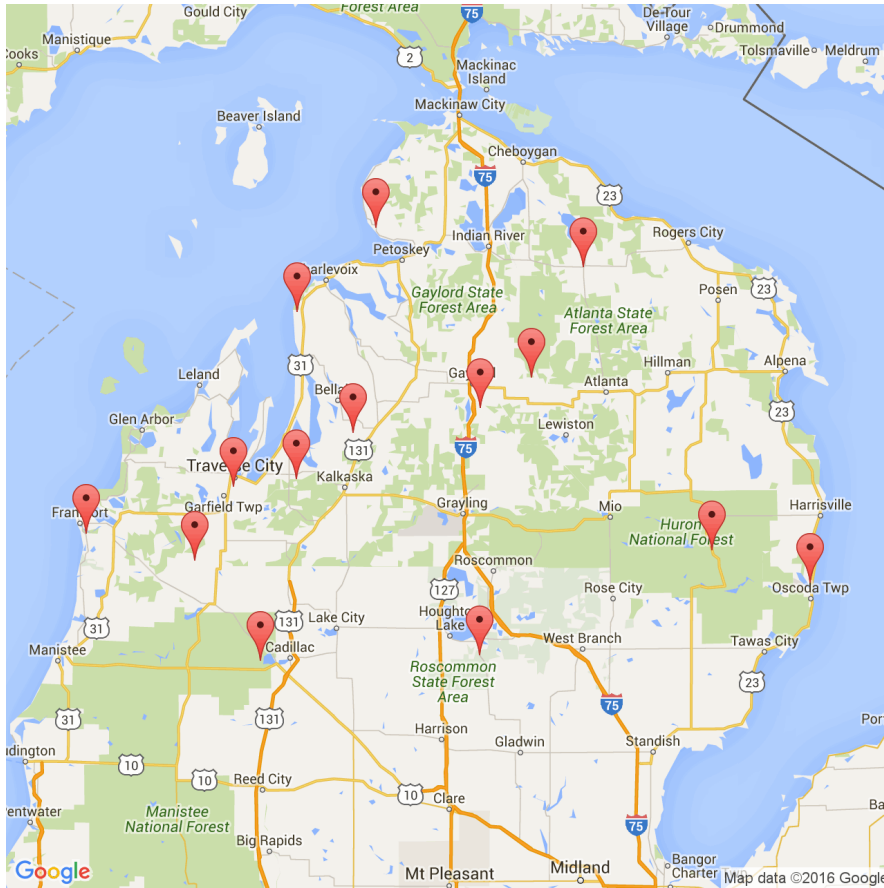
5-Year Trend - Seatbelt Used Among Drivers by Age

Age Group	2011			2012			2013			2014			2015		
	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	38	0	6	39	0	1	37	1	4	33	0	4	30	0	5
16 - 20	2,745	0	304	2,579	1	284	2,773	4	266	2,492	2	224	2,575	3	283
21 - 24	1,772	5	184	1,724	3	164	1,963	1	190	1,893	3	171	1,825	0	176
25 - 64	14,773	10	1,216	14,353	11	1,130	15,633	11	1,203	15,968	10	1,124	14,790	7	1,130
65 +	2,871	8	298	2,855	7	279	3,333	9	334	3,579	3	330	3,417	5	334
Unknown	6	0	0	5	0	0	10	0	1	6	0	1	12	0	1
Total	22,205	23	2,008	21,555	22	1,858	23,749	26	1,998	23,971	18	1,854	22,649	15	1,929

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

5-Year Trend Driver Seatbelt Used





The picture above represents all 2015 alcohol-involved fatal crashes in MDOT Region - North. In

2015, there were 547 alcohol-involved crashes in MDOT Region - North:

14	K - Fatal Crashes
43	A - Incapacitating Injury Crashes
93	B - Non-incapacitating Injury Crashes
102	C - Possible Injury Crashes
295	O - Property Damage Only/No Injury Crashes

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