



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

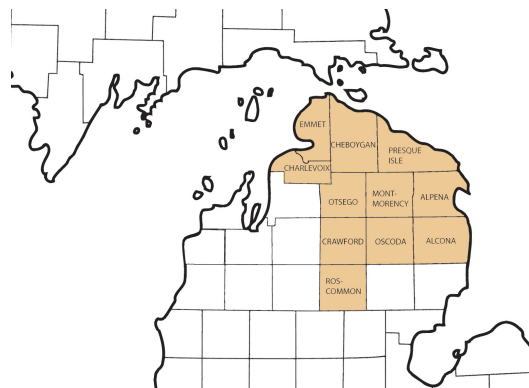
Property Damage Only (PDO)



Michigan State Police (MSP) Traffic Safety Network Northern Lower

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

Traffic Safety Network Northern Lower is comprised of Alcona, Alpena, Charlevoix, Cheboygan, Crawford, Emmet, Montmorency, Oscoda, Otsego, Presque Isle, and Roscommon 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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TSN Northern Lower Experience

In 2015:

There were 10,334 drivers involved in 7,912 motor vehicle crashes in MSP Traffic Safety Network Northern Lower. Of those crashes, 19 were classified as fatal, resulting in 21 fatalities. An additional 1,391 persons were injured.

Traffic Safety Network Northern Lower experienced the highest number of motor vehicle crashes (1,013) in November, the highest number of fatal crashes (4) in September, July, and the highest number of persons killed (5) in September.

Michigan driver statistics indicate 6.6 percent of licensed drivers in Traffic Safety Network Northern Lower were age 16-20, and 11.0 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	847	1	103	743	1	136
February	557	0	60	497	0	86
March	522	0	53	469	0	66
April	460	0	42	418	0	49
May	545	3	96	446	4	137
June	759	2	91	666	2	119
July	678	4	130	544	4	182
August	619	2	112	505	2	148
September	538	4	82	452	5	113
October	743	0	97	646	0	124
November	1,013	2	96	915	2	136
December	631	1	64	566	1	95
Total	7,912	19	1,026	6,867	21	1,391

2015 - Driver Statistics

Age Group	Statewide			Driver Rates	
	2015 Population	Licensed Drivers	Drivers in Crashes	Per 10k Population	Per 10k Licensed
0 - 15	1,938,950	52,553	24	0.1	4.6
16 - 20	675,253	474,427	1,136	16.8	23.9
21 - 24	580,519	480,600	778	13.4	16.2
25 - 64	5,157,183	4,760,526	6,535	12.7	13.7
65 +	1,570,671	1,390,210	1,563	10.0	11.2
Unknown	--	--	298	--	--
Total	9,922,576	7,158,316	10,334	10.4	14.4

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	7,050	68.2	11	44.0	1,013	6,026
Van & motorhome	368	3.6	2	8.0	54	312
Pickup truck	2,180	21.1	6	24.0	289	1,885
Small truck under 10,000 lbs. GVWR	276	2.7	0	0.0	34	242
Cycle	80	0.8	1	4.0	56	23
Moped	7	0.1	0	0.0	6	1
Go Cart	1	0.0	0	0.0	1	0
Snowmobile	21	0.2	0	0.0	10	11
Off-Road Vehicle (ORV) & All-Terrain Vehicle (ATV)	45	0.4	1	4.0	39	5
Other	41	0.4	1	4.0	11	29
Truck/bus over 10,000 lbs.	181	1.8	3	12.0	28	150
Unknown	84	0.8	0	0.0	7	77
Total	10,334	100.0	25	100.0	1,548	8,761

MSP Traffic Safety Network Northern Lower (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	826	3	836	2	820	0	894	3	847	1
February	513	1	646	1	639	5	620	1	557	0
March	598	2	450	0	520	2	746	0	522	0
April	489	0	405	1	546	1	515	2	460	0
May	489	2	478	1	494	3	529	4	545	3
June	697	2	631	0	672	4	630	3	759	2
July	648	3	628	3	622	2	630	1	678	4
August	543	1	529	2	556	6	539	0	619	2
September	603	3	625	0	605	4	498	5	538	4
October	823	1	777	0	788	2	748	2	743	0
November	971 †	2	1,021 †	3	1,089 †	2	1,178 †	2	1,013 †	2
December	865	2	776	0	1,066	1	850	0	631	1
Total	8,065	22	7,802	13	8,417	32	8,377	23	7,912	19

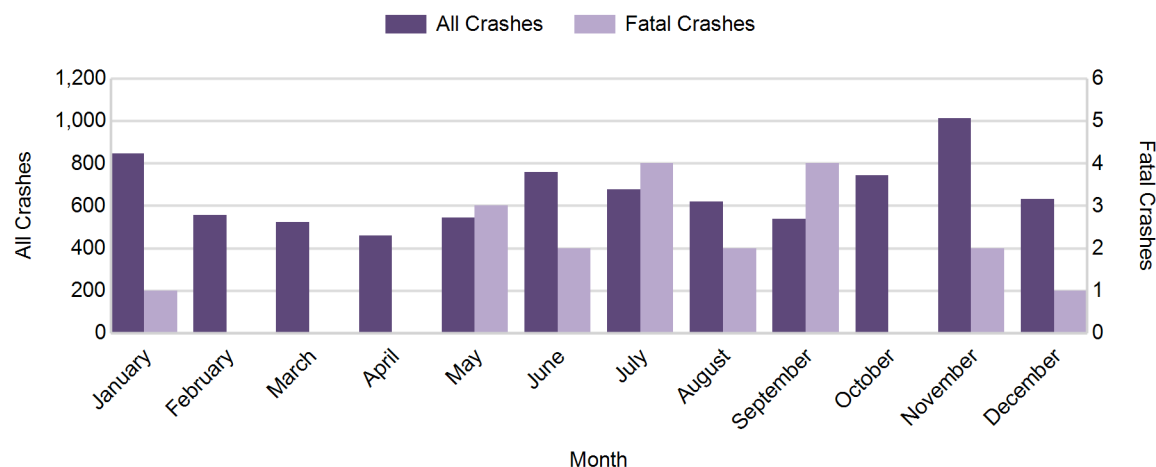
Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred in the same month

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	1,075	2	1,130	2	1,181	5	1,154	5	1,144	4
Tuesday	1,152	1	1,038	0	1,181	2	1,213	1	1,060	3
Wednesday	1,089	1	1,035	1	1,221	4	1,224	5	1,177	4
Thursday	1,243	3	1,155	2	1,341	3	1,260	2	1,181	2
Friday	1,325 †	4	1,386 †	0	1,373 †	4	1,401 †	1	1,313 †	3
Saturday	1,254	5	1,095	4	1,156	8	1,084	4	1,085	2
Sunday	927	6	963	4	964	6	1,041	5	952	1
Total	8,065	22	7,802	13	8,417	32	8,377	23	7,912	19

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

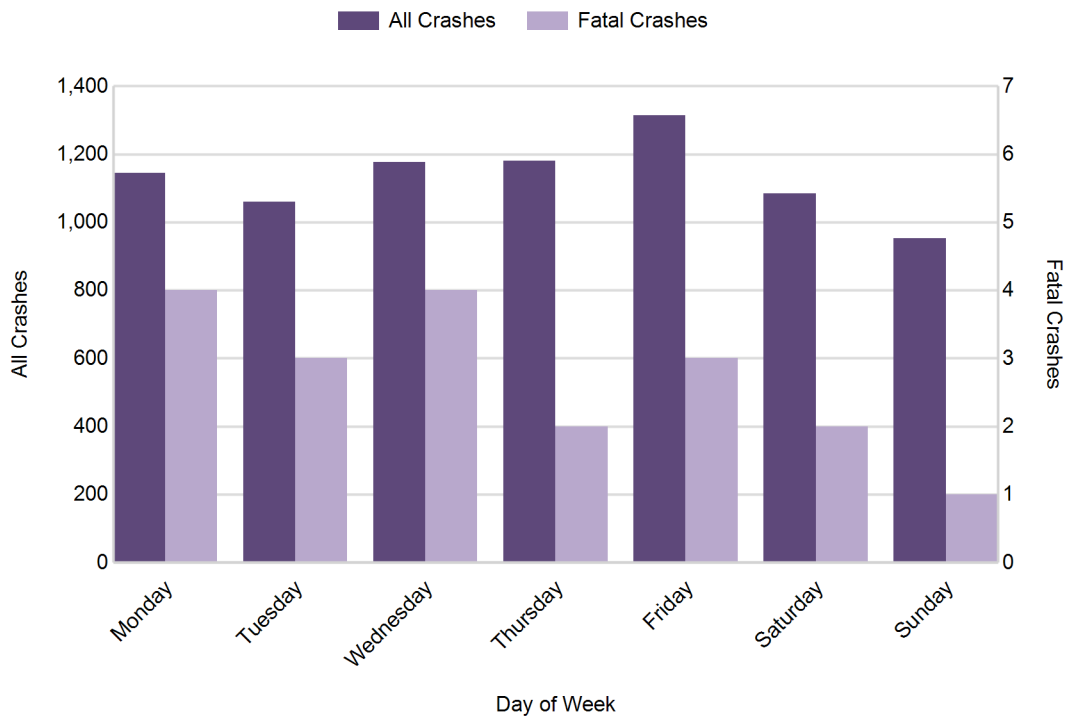
2015 Crashes by Month



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	1,144	14.5	4	21.1	11	44	87	998
Tuesday	1,060	13.4	3	15.8	13	37	70	937
Wednesday	1,177	14.9	4	21.1	18	48	76	1,031
Thursday	1,181	14.9	2	10.5	16	43	76	1,044
Friday	1,313	16.6	3	15.8	20	60	102	1,128
Saturday	1,085	13.7	2	10.5	22	45	83	933
Sunday	952	12.0	1	5.3	18	60	77	796
Total	7,912	100.0	19	100.0	118	337	571	6,867

2015 Day of Week and Severity

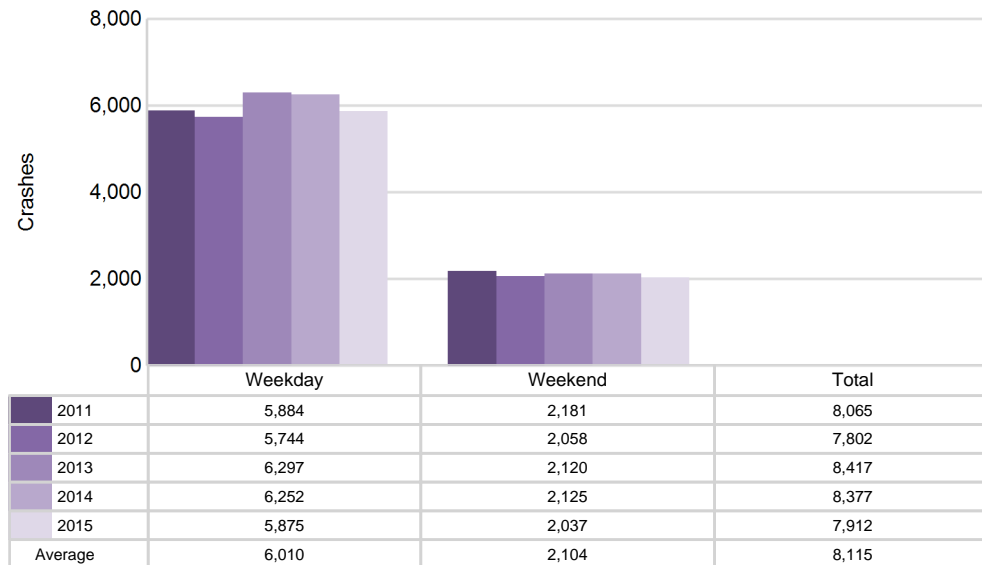


MSP Traffic Safety Network Northern Lower (continued)

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	5,884	11	5,744	5	6,297	18	6,252	14	5,875	16
Weekend	2,181	11	2,058	8	2,120	14	2,125	9	2,037	3
Total	8,065	22	7,802	13	8,417	32	8,377	23	7,912	19

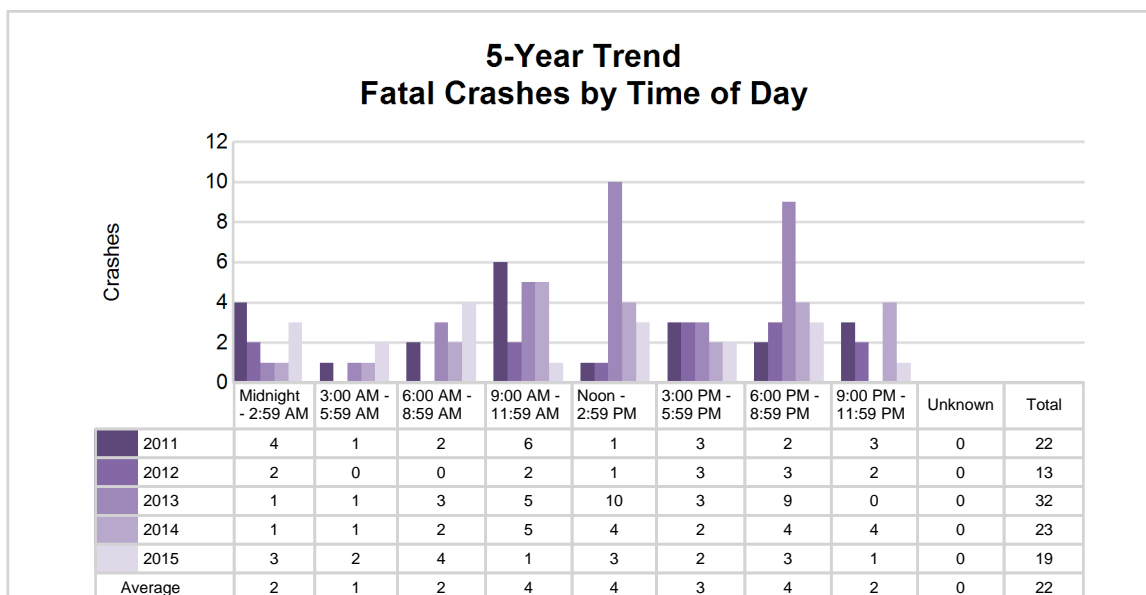
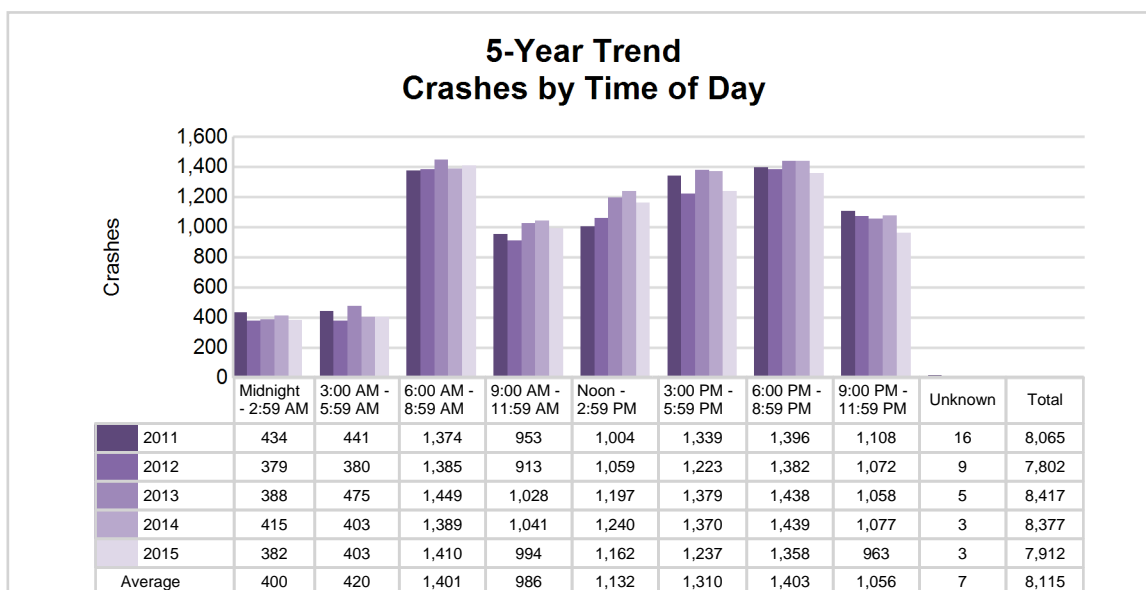
5-Year Crash Trends by Weekday (Monday - Friday) and Weekend (Saturday & Sunday)



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	434	4	379	2	388	1	415	1	382	3
3:00 AM - 5:59 AM	441	1	380	0	475	1	403	1	403	2
6:00 AM - 8:59 AM	1,374	2	1,385	0	1,449	3	1,389	2	1,410	4
9:00 AM - 11:59 AM	953	6	913	2	1,028	5	1,041	5	994	1
Noon - 2:59 PM	1,004	1	1,059	1	1,197	10	1,240	4	1,162	3
3:00 PM - 5:59 PM	1,339	3	1,223	3	1,379	3	1,370	2	1,237	2
6:00 PM - 8:59 PM	1,396	2	1,382	3	1,438	9	1,439	4	1,358	3
9:00 PM - 11:59 PM	1,108	3	1,072	2	1,058	0	1,077	4	963	1
Unknown	16	0	9	0	5	0	3	0	3	0
Total	8,065	22	7,802	13	8,417	32	8,377	23	7,912	19

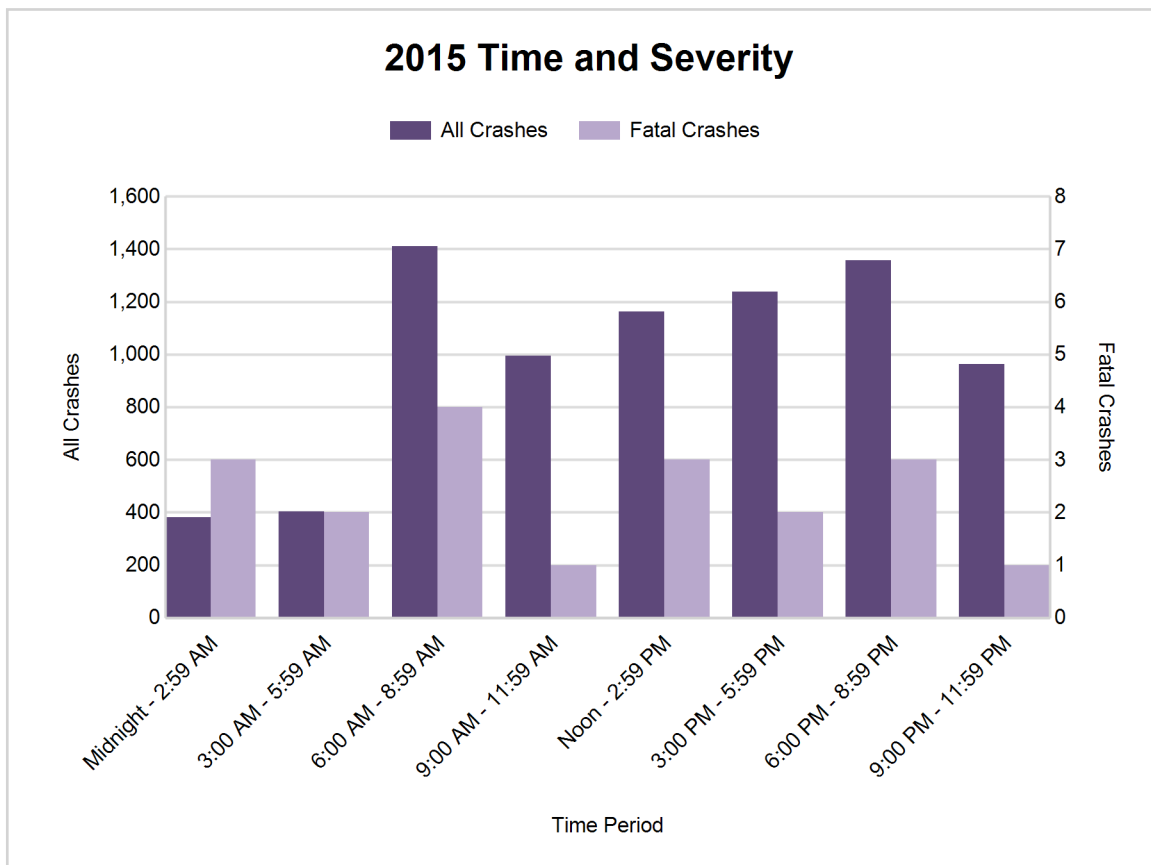
Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred in the same time period



MSP Traffic Safety Network Northern Lower (continued)

2015 - Time and Severity

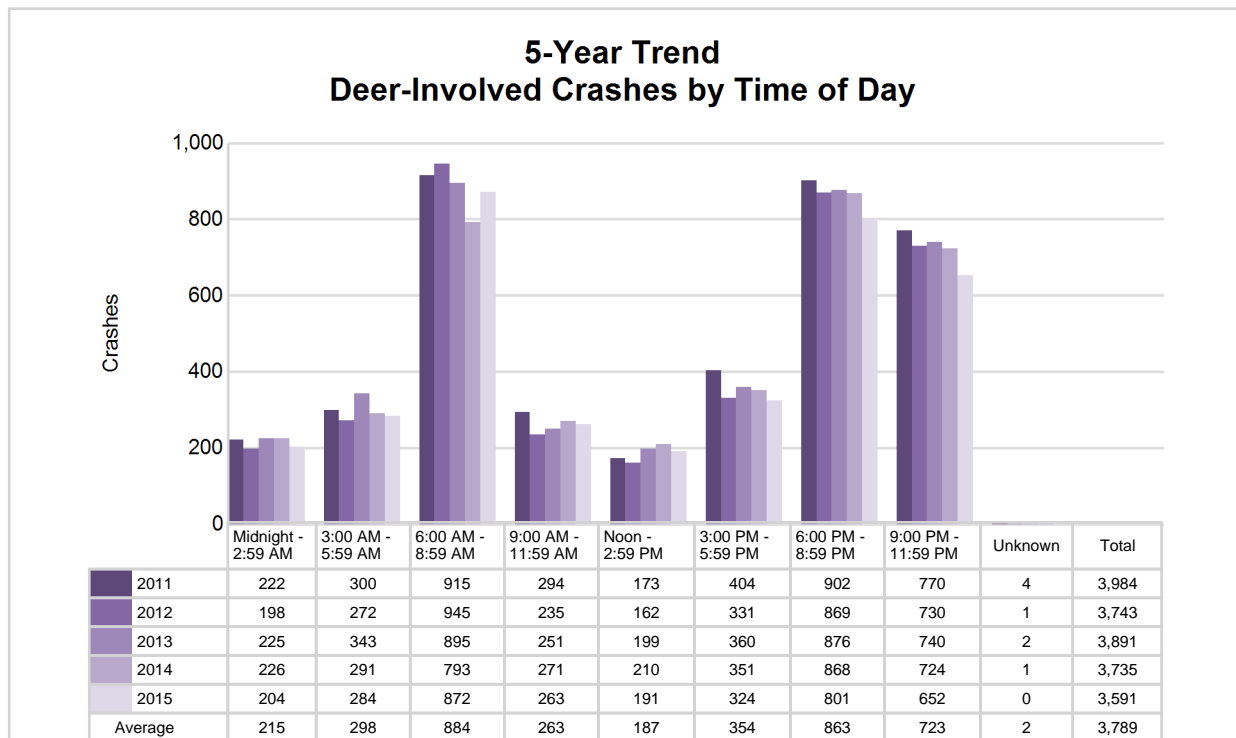
Time of Day	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	Number
Midnight - 2:59 AM	382	4.8	3	15.8	7	22	25	325
3:00 AM - 5:59 AM	403	5.1	2	10.5	3	11	12	375
6:00 AM - 8:59 AM	1,410	17.8	4	21.1	8	42	71	1,285
9:00 AM - 11:59 AM	994	12.6	1	5.3	16	42	95	840
Noon - 2:59 PM	1,162	14.7	3	15.8	26	71	122	940
3:00 PM - 5:59 PM	1,237	15.6	2	10.5	26	73	118	1,018
6:00 PM - 8:59 PM	1,358	17.2	3	15.8	25	43	75	1,212
9:00 PM - 11:59 PM	963	12.2	1	5.3	7	33	53	869
Unknown	3	0.0	0	0.0	0	0	0	3
Total	7,912	100.0	19	100.0	118	337	571	6,867



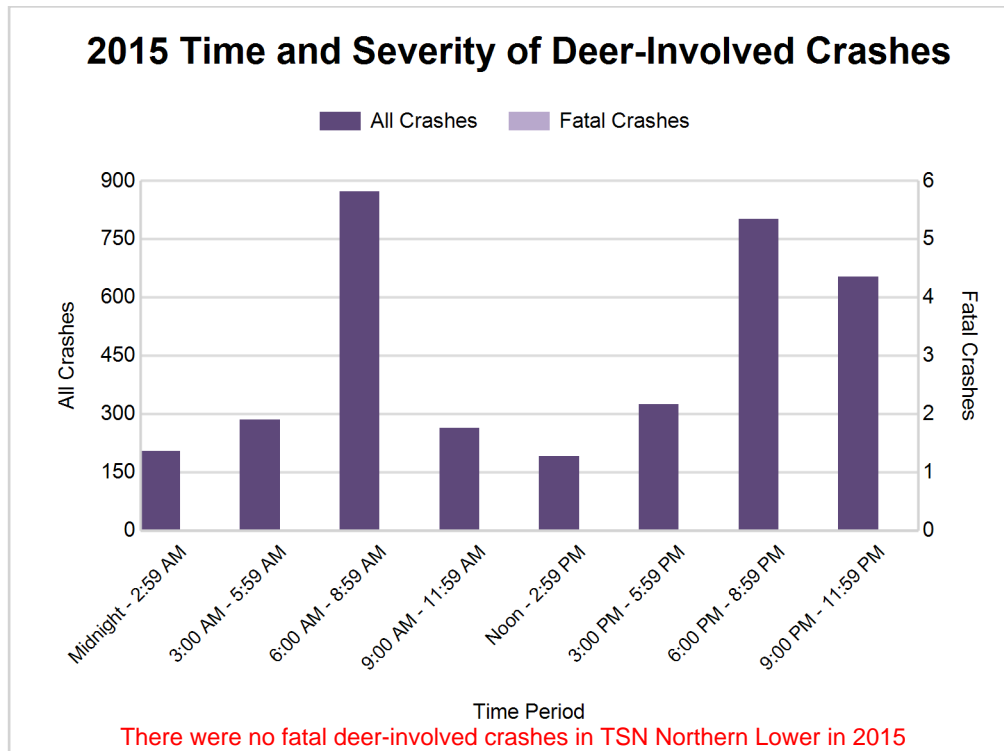
5-Year Trend - Deer-Involved Crashes by Time of Day

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	222	0	198	0	225	0	226	0	204	0
3:00 AM - 5:59 AM	300	0	272	0	343	0	291	0	284	0
6:00 AM - 8:59 AM	915	0	945	0	895	0	793	0	872	0
9:00 AM - 11:59 AM	294	0	235	0	251	0	271	0	263	0
Noon - 2:59 PM	173	0	162	0	199	0	210	0	191	0
3:00 PM - 5:59 PM	404	0	331	0	360	0	351	0	324	0
6:00 PM - 8:59 PM	902	0	869	0	876	0	868	0	801	0
9:00 PM - 11:59 PM	770	0	730	0	740	0	724	0	652	0
Unknown	4	0	1	0	2	0	1	0	0	0
Total	3,984	0	3,743	0	3,891	0	3,735	0	3,591	0

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



MSP Traffic Safety Network Northern Lower (continued)



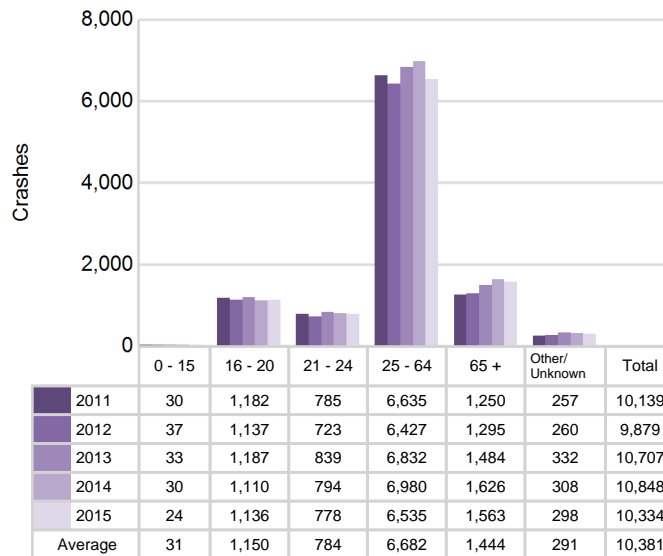
2015 - Reported Motor Vehicle Crashes by County

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
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
Montmorency	318	0	37	281	0	0	141	177	6	0	198	0	44
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
Total	7,912	19	1,026	6,867	645	1,313	1,872	4,082	239	49	3,591	21	1,391

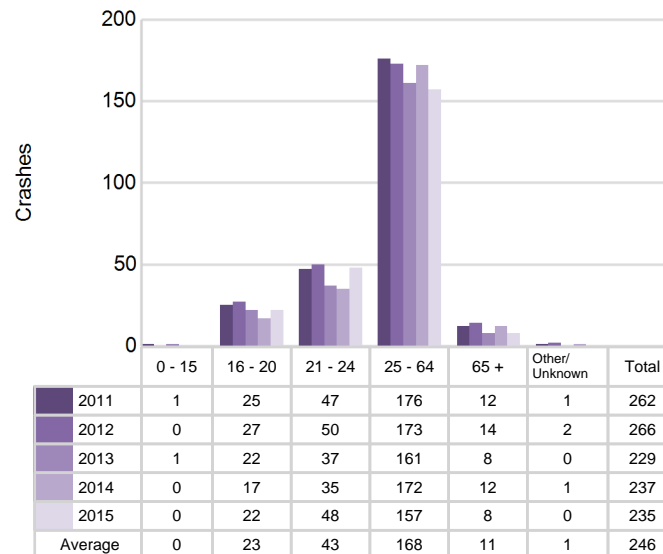
5-Year Trend - Drivers in Crashes Coded Drinking by Driver Age

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	30	1	37	0	33	1	30	0	24	0
16 - 20	1,182	25	1,137	27	1,187	22	1,110	17	1,136	22
21 - 24	785	47	723	50	839	37	794	35	778	48
25 - 64	6,635	176	6,427	173	6,832	161	6,980	172	6,535	157
65 +	1,250	12	1,295	14	1,484	8	1,626	12	1,563	8
Unknown	257	1	260	2	332	0	308	1	298	0
Total	10,139	262	9,879	266	10,707	229	10,848	237	10,334	235

**5-Year Trend
Total Drivers in Crashes by Age**



**5-Year Trend
Total Drivers Coded Drinking by Age**



MSP Traffic Safety Network Northern Lower (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	0	1	0	0	0	0	0	0	0
16 - 20	24	25	18	22	0	3	11	1	7
21 - 24	50	51	40	48	1	6	15	14	12
25 - 64	198	194	137	157	2	8	40	59	48
65 +	12	16	7	8	0	3	1	1	3
Unknown	9	0	0	0	0	0	0	0	0
Total	293	287	202	235	3	20	67	75	70

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 293 drivers in alcohol-involved crashes; 235 (80.2%) of those drivers were coded as had-been-drinking by the officer on the crash form.

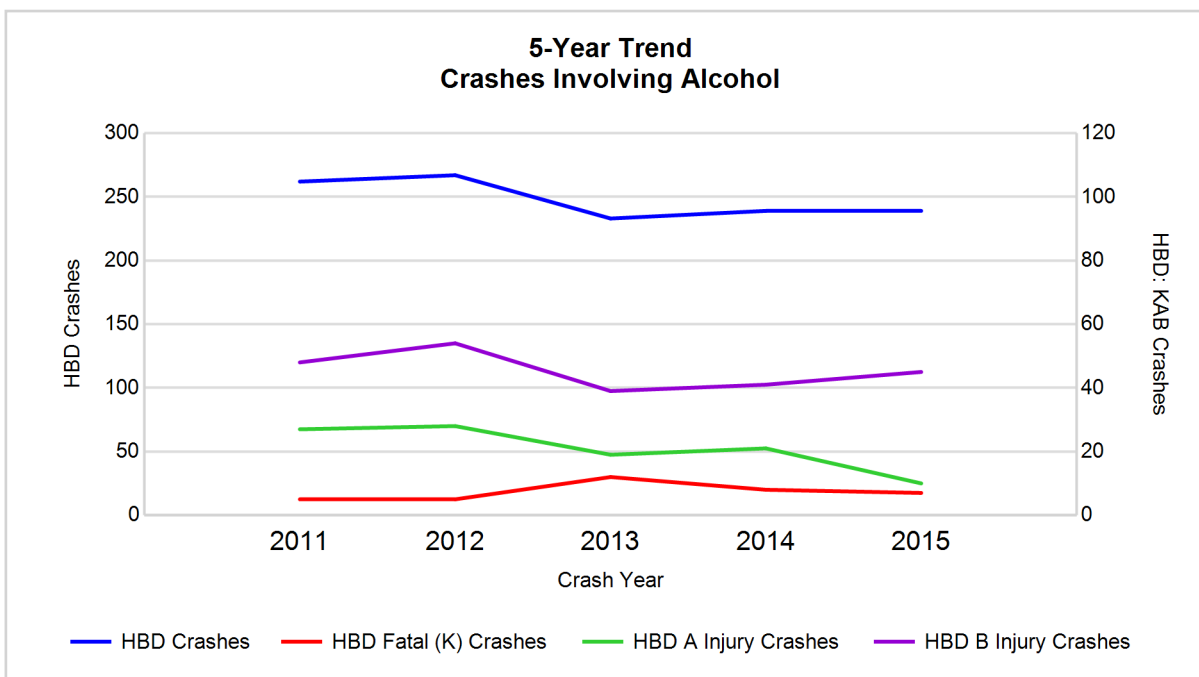
- 142 (60.4%) of the 235 drivers had a blood alcohol concentration (BAC) of 0.08 g/dL (grams per deciliter) or greater, and 75 (52.8%) of the 142 drivers had a BAC at or above 0.17 g/dL.
- 202 (86.0%) of the 235 drivers were coded as had-been-drinking and were tested for alcohol consumption.

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	8,065	262	3.2	22	5	22.7	159	27	17.0	404	48	11.9
2012	7,802	267	3.4	13	5	38.5	145	28	19.3	375	54	14.4
2013	8,417	233	2.8	32	12	37.5	138	19	13.8	357	39	10.9
2014	8,377	239	2.9	23	8	34.8	128	21	16.4	357	41	11.5
2015	7,912	239	3.0	19	7	36.8	118*	10*	8.5*	337*	45	13.4

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



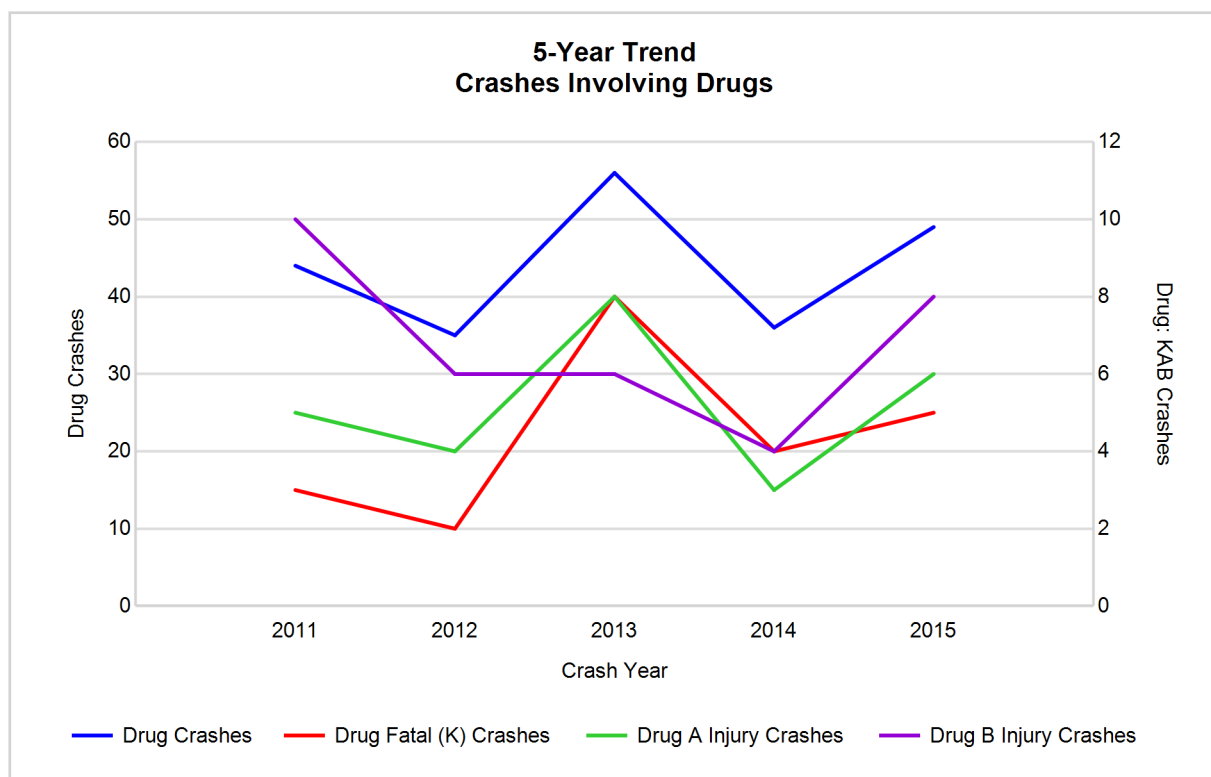
Note: Had-Been-Drinking (HBD)

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	8,065	44	0.5	22	3	13.6	159	5	3.1	404	10	2.5
2012	7,802	35	0.4	13	2	15.4	145	4	2.8	375	6	1.6
2013	8,417	56	0.7	32	8	25.0	138	8	5.8	357	6	1.7
2014	8,377	36	0.4	23	4	17.4	128	3	2.3	357	4	1.1
2015	7,912	49	0.6	19	5	26.3**	118*	6	5.1	337*	8	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



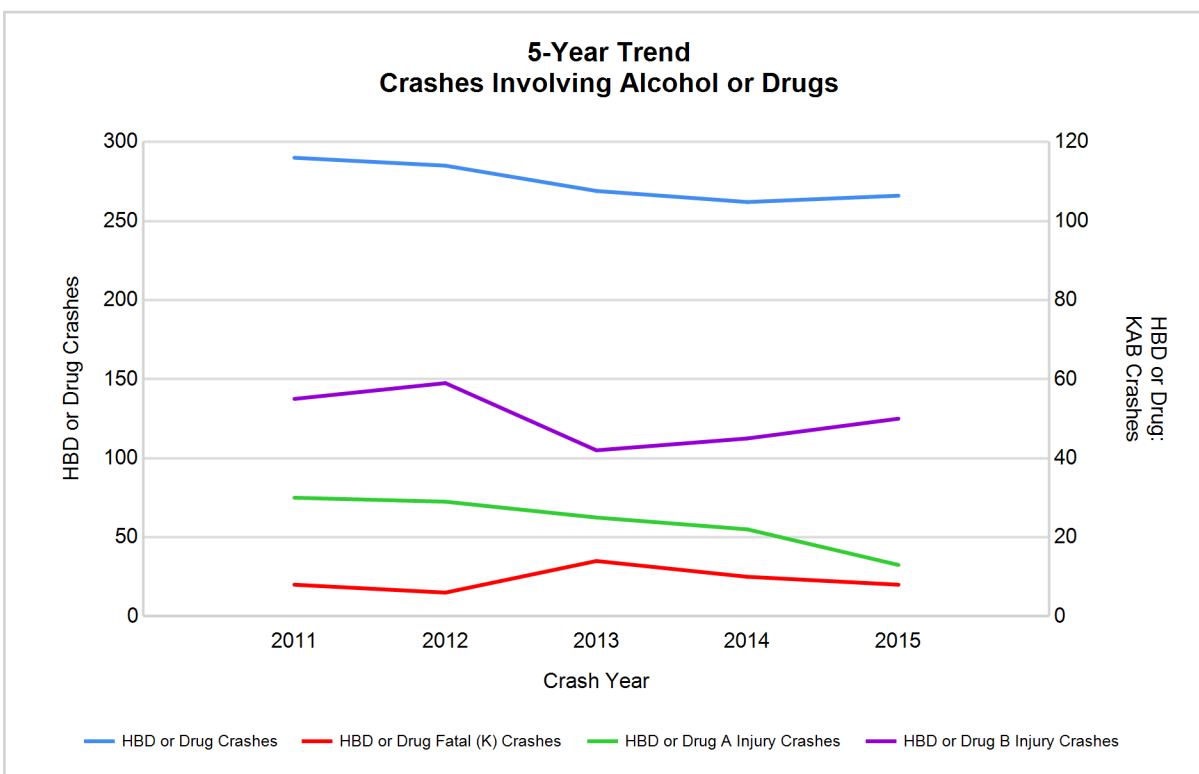
MSP Traffic Safety Network Northern Lower (continued)

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	8,065	290	3.6	22	8	36.4	159	30	18.9	404	55	13.6
2012	7,802	285	3.7	13	6	46.2	145	29	20.0	375	59	15.7
2013	8,417	269	3.2	32	14	43.8	138	25	18.1	357	42	11.8
2014	8,377	262	3.1	23	10	43.5	128	22	17.2	357	45	12.6
2015	7,912	266	3.4	19	8	42.1	118*	13*	11.0*	337*	50	14.8

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)

MSP Traffic Safety Network Northern Lower (continued)

13

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	7,322	6,965	95.1	9	3	33.3	74	56	75.7	272	246	90.4	575	541	94.1	6,247	6,113	97.9
Van & motorhome	388	366	94.3	2	1	50.0	6	5	83.3	15	11	73.3	26	24	92.3	332	324	97.6
Pickup truck	2,256	2,116	93.8	6	5	83.3	19	12	63.2	59	48	81.4	137	122	89.1	1,981	1,927	97.3
Small truck under 10,000 lbs. GVWR	283	260	91.9	0	0	0.0	2	0	0.0	6	6	100.0	18	17	94.4	251	237	94.4
Cycle	86	64	74.4	1	1	100.0	18	16	88.9	22	16	72.7	22	14	63.6	23	17	73.9
Moped	8	3	37.5	0	0	0.0	2	1	50.0	4	2	50.0	0	0	0.0	2	0	0.0
Go Cart	2	0	0.0	0	0	0.0	0	0	0.0	2	0	0.0	0	0	0.0	0	0	0.0
Snowmobile	23	20	87.0	0	0	0.0	3	3	100.0	4	4	100.0	4	3	75.0	11	10	90.9
Off-Road Vehicle (ORV) & All-Terrain Vehicle (ATV)	50	32	64.0	1	0	0.0	13	9	69.2	18	11	61.1	11	8	72.7	7	4	57.1
Other	41	25	61.0	0	0	0.0	0	0	0.0	2	0	0.0	1	1	100.0	35	24	68.6
Truck/bus over 10,000 lbs.	185	173	93.5	1	1	100.0	2	1	50.0	4	3	75.0	6	4	66.7	169	163	96.4
Unknown	84	2	2.4	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0
Total	10,728	10,026	93.5	20	11	55.0	139	103	74.1	408	347	85.0	800	734	91.8	9,060	8,821	97.4

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	116	89	76.7	1	1	100.0	9	4	44.4	33	23	69.7	59	51	86.4	14	10	71.4
16 - 20	1,217	1,160	95.3	0	0	0.0	22	15	68.2	76	69	90.8	136	120	88.2	981	955	97.3
21 - 24	807	763	94.5	1	0	0.0	8	5	62.5	34	29	85.3	70	62	88.6	694	667	96.1
25 - 64	6,670	6,426	96.3	14	8	57.1	76	59	77.6	209	175	83.7	414	384	92.8	5,940	5,795	97.6
65 +	1,619	1,581	97.7	4	2	50.0	24	20	83.3	55	51	92.7	119	116	97.5	1,413	1,389	98.3
Unknown	299	7	2.3	0	0	0.0	0	0	0.0	1	0	0.0	2	1	50.0	18	5	27.8
Total	10,728	10,026	93.5	20	11	55.0	139	103	74.1	408	347	85.0	800	734	91.8	9,060	8,821	97.4

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.

MSP Traffic Safety Network Northern Lower (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	85	0	15	86	0	17	46	0	11	69	0	9	40	0	3
Shoulder belt only used	8	0	1	8	0	3	7	0	0	13	0	7	9	0	2
Lap belt only used	10	0	0	17	0	2	20	0	3	15	0	1	19	0	2
Both lap & shoulder belts used	9,379	9	842	9,123	2	721	9,925	7	793	10,036	9	779	9,577	4	797
No belts used	88	4	45	80	3	47	79	6	33	74	3	36	68	4	30
Child restraint used	0	0	0	1	0	0	2	0	0	1	0	0	0	0	0
Child restraint not used, unavailable or improper use	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Restraint failure	7	0	0	4	0	2	4	0	0	1	0	0	1	0	0
Restraint use unknown	176	1	30	191	0	25	207	1	22	235	2	27	222	4	21
Helmet worn	163	2	126	138	1	103	128	4	93	130	4	94	106	1	75
Helmet not worn	9	2	7	30	1	26	36	8	25	28	1	18	33	1	23
Helmet use unknown	0	0	0	5	1	3	7	1	3	6	0	2	6	0	4
Uncoded & errors	213	0	3	196	0	4	246	0	0	240	0	2	252	0	1
Total	10,139	18	1,069	9,879	8	953	10,707	27	983	10,848	19	975	10,334	14	959

5-Year Trend - Restraint Use Among Drivers Coded Drinking

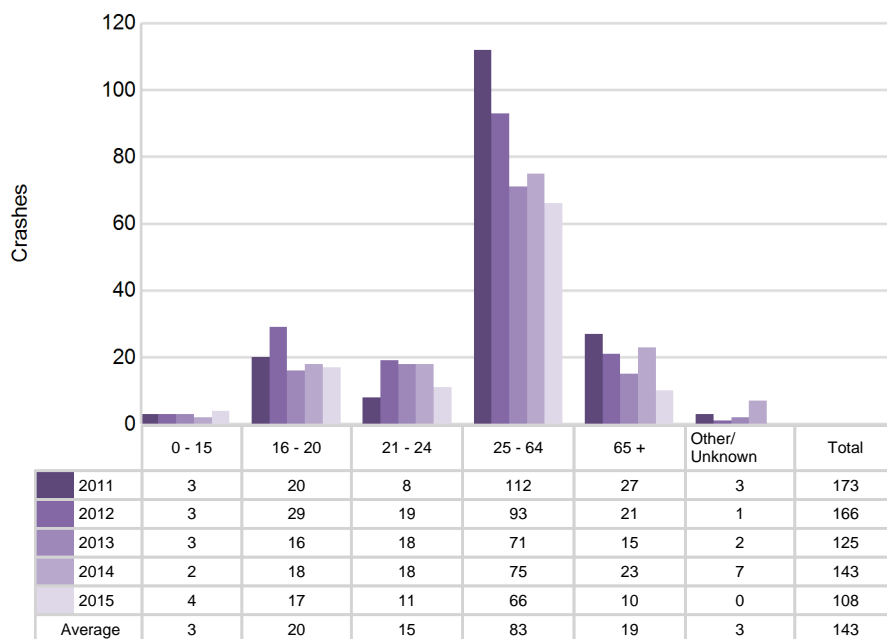
Restraint Use	2011			2012			2013			2014			2015		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
No belts available	8	0	3	1	0	1	1	0	1	0	0	0	1	0	0
Shoulder belt only used	0	0	0	2	0	2	0	0	0	1	0	1	1	0	0
Lap belt only used	0	0	0	1	0	0	0	0	0	0	0	0	1	0	1
Both lap & shoulder belts used	180	3	50	180	0	49	161	1	49	158	2	48	167	1	56
No belts used	20	1	13	23	2	18	19	4	9	17	2	13	21	3	9
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	0	0	0	0	0	0
Restraint use unknown	39	1	12	39	0	16	31	0	9	44	1	14	38	1	10
Helmet worn	10	0	8	13	1	10	6	2	4	8	2	4	2	1	1
Helmet not worn	2	0	2	4	0	4	11	4	6	7	0	7	4	0	4
Helmet use unknown	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Uncoded & errors	3	0	1	3	0	0	0	0	0	1	0	0	0	0	0
Total	262	5	89	266	3	100	229	11	78	237	7	87	235	6	81

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	3	0	2	3	0	2	2	0	0	4	0	1
16 - 20	20	0	7	29	0	11	16	0	9	18	0	8	17	0	6
21 - 24	8	0	4	19	1	7	18	2	4	18	0	9	11	0	3
25 - 64	112	4	40	93	2	37	71	4	25	75	2	23	66	3	20
65 +	27	0	7	21	0	7	15	0	4	23	1	5	10	1	3
Unknown	3	0	0	1	0	0	2	0	0	7	0	0	0	0	0
Total	173	4	60	166	3	64	125	6	44	143	3	45	108	4	33

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

5-Year Trend Driver Seatbelt Not Used



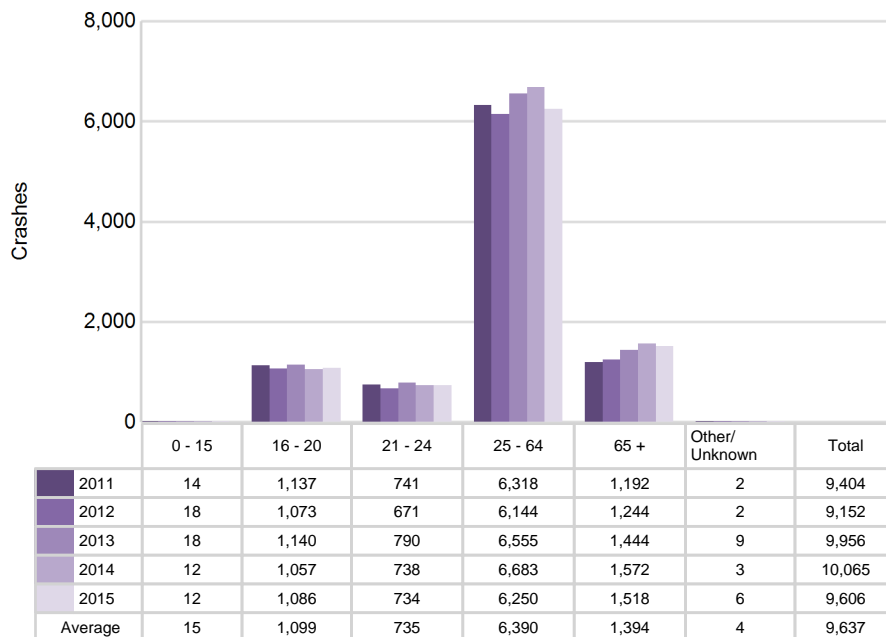
MSP Traffic Safety Network Northern Lower (continued)

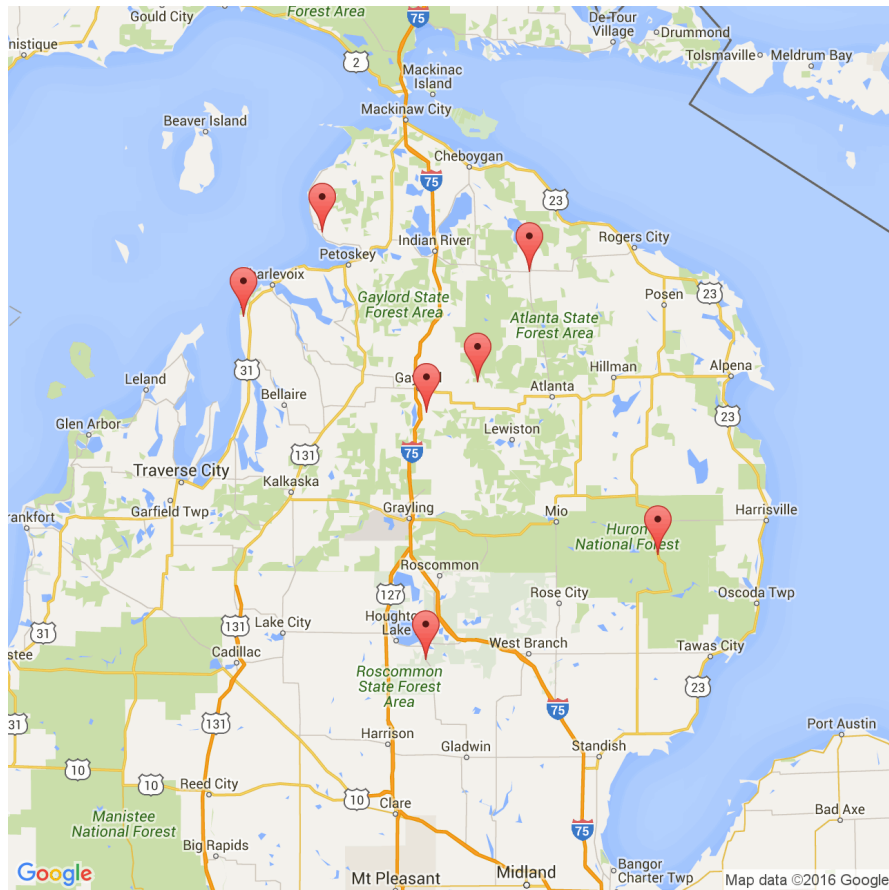
5-Year Trend - Seatbelt Used Among Drivers by Age

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	14	0	1	18	0	1	18	0	3	12	0	1	12	0	2
16 - 20	1,137	0	143	1,073	0	117	1,140	1	113	1,057	2	108	1,086	0	133
21 - 24	741	1	74	671	0	71	790	1	82	738	0	57	734	0	73
25 - 64	6,318	7	503	6,144	1	433	6,555	4	463	6,683	4	482	6,250	4	464
65 +	1,192	1	122	1,244	1	106	1,444	1	134	1,572	3	138	1,518	0	128
Unknown	2	0	0	2	0	0	9	0	1	3	0	1	6	0	1
Total	9,404	9	843	9,152	2	728	9,956	7	796	10,065	9	787	9,606	4	801

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 TSN Northern Lower.

In 2015, there were 239 alcohol-involved crashes in TSN Northern Lower:

- 7 K - Fatal Crashes
- 10 A - Incapacitating Injury Crashes
- 45 B - Non-incapacitating Injury Crashes
- 43 C - Possible Injury Crashes
- 134 O - Property Damage Only/No Injury Crashes

Office of Highway Safety Planning

Physical Address:
7150 Harris Drive
Dimondale, Michigan 48821

Mailing Address:
P.O. Box 30634
Lansing, Michigan 48909

Phone: (517) 284-3140
Fax: (517) 284-3151

Find us on the web:
MichiganTrafficCrashFacts.org

