



2016

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 = Suspected Serious Injury

B = Suspected Minor Injury

C = Possible Injury

O = No Injury

Property Damage Only (PDO)

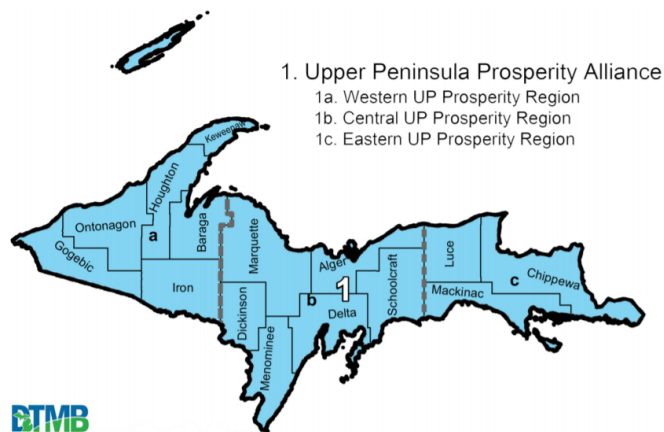


Governor's Prosperity Region - Upper Peninsula Prosperity Alliance

2016 Traffic Crash Data & 2012-2016 5-Year Trends

Prosperity Region - 1 is comprised of Alger, Baraga, Chippewa, Delta, Dickinson, Gogebic, Houghton, Iron, Keweenaw, Luce, Mackinac, Marquette, Menominee, Ontonagon, and Schoolcraft 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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Upper Peninsula Prosperity Alliance Experience

The 2016* comprehensive cost of traffic crashes was **\$1,155,000,000.** ** Fatalities cost **\$330,000,000**, injuries cost **\$485,000,000**, and 'Property Damage Only' crashes cost **\$335,000,000**.

In 2016:

There were 11,707 drivers involved in 8,264 motor vehicle crashes in Upper Peninsula Prosperity Alliance. Of those crashes, 29 were classified as fatal, resulting in 32 fatalities. An additional 1,541 persons were injured.

Upper Peninsula Prosperity Alliance experienced the highest number of motor vehicle crashes (1,063) in December, the highest number of fatal crashes (6) and the highest number of persons killed (8) in June.

Michigan driver statistics indicate 5.9 percent of licensed drivers in Upper Peninsula Prosperity Alliance were age 16-20, and 11.8 percent of drivers in crashes were also in that age group.

* 2016 National Safety Council data for average costs of motor vehicle crashes were used for this report.

** Cost estimates derived from the National Safety Council are approximations and have been rounded to the nearest \$5,000,000. With rounding, the total cost may not equal the sum of all crash types.

2016 - Crashes and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only (PDO)	Fatalities	Injuries
January	857	5	94	758	6	112
February	713	4	101	608	4	140
March	467	2	51	414	2	68
April	550	0	93	457	0	111
May	494	1	78	415	1	111
June	667	6	113	548	8	163
July	591	3	119	469	3	161
August	603	1	120	482	1	163
September	603	1	99	503	1	130
October	732	1	82	649	1	110
November	924	2	93	829	2	127
December	1,063	3	120	940	3	145
Total	8,264	29	1,163	7,072	32	1,541

2016 - Driver Statistics

Age Group	Upper Peninsula Prosperity Alliance			Driver Rates	
	2016 Population	Licensed Drivers	Drivers in Crashes	Per 10k Population	Per 10k Licensed
0 - 15	48,734	1,582	33	6.8	208.6
16 - 20	21,219	13,190	1,383	651.8	1,048.5
21 - 24	19,339	12,325	1,013	523.8	821.9
25 - 64	150,321	137,371	6,828	454.2	497.0
65 +	63,568	57,752	1,736	273.1	300.6
Unknown	0	0	714	- -	- -
Total	303,181	222,220	11,707	386.1	526.8

2016 - 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	8,263	70.6	20	47.6	1,232	7,011
Motor home	132	1.1	0	0.0	20	112
Pickup truck	2,516	21.5	6	14.3	372	2,138
Small truck under 10,000 lbs. GVWR	130	1.1	1	2.4	13	116
Motorcycle	112	1.0	3	7.1	87	22
Moped / goped	10	0.1	1	2.4	7	2
Go-cart / golf cart	1	0.0	0	0.0	0	1
Snowmobile	34	0.3	6	14.3	15	13
Off-Road Vehicle - ORV / All-Terrain Vehicle - ATV	55	0.5	2	4.8	46	7
Other	58	0.5	0	0.0	7	51
Truck/bus over 10,000 lbs.	236	2.0	3	7.1	39	194
Unknown	160	1.4	0	0.0	7	153
Total	11,707	100.0	42	100.0	1,845	9,820

Upper Peninsula Prosperity Alliance (continued)

5-Year Trend - Crashes by Month

Month	2012		2013		2014		2015		2016	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
January	1,009	3	1,120	5	1,152	2	992	2	857	5
February	702	2	930	0	869	2	952	0	713	4
March	589	1	660	3	779	0	600	0	467	2
April	516	0	721	3	609	0	525	2	550	0
May	582	1	617	4	539	1	473	1	494	1
June	761	4	705	2	650	3	579	1	667	6
July	765	5	707	3	591	1	592	6	591	3
August	709	2	639	4	512	3	568	4	603	1
September	886	1	696	4	591	0	604	1	603	1
October	1,063	2	801	2	767	3	703	4	732	1
November	1,260	4	1,156	3	1,087	3	841	2	924	2
December	1,103	5	1,204	3	980	2	670	2	1,063	3
Total	9,945	30	9,956	36	9,126	20	8,099	25	8,264	29

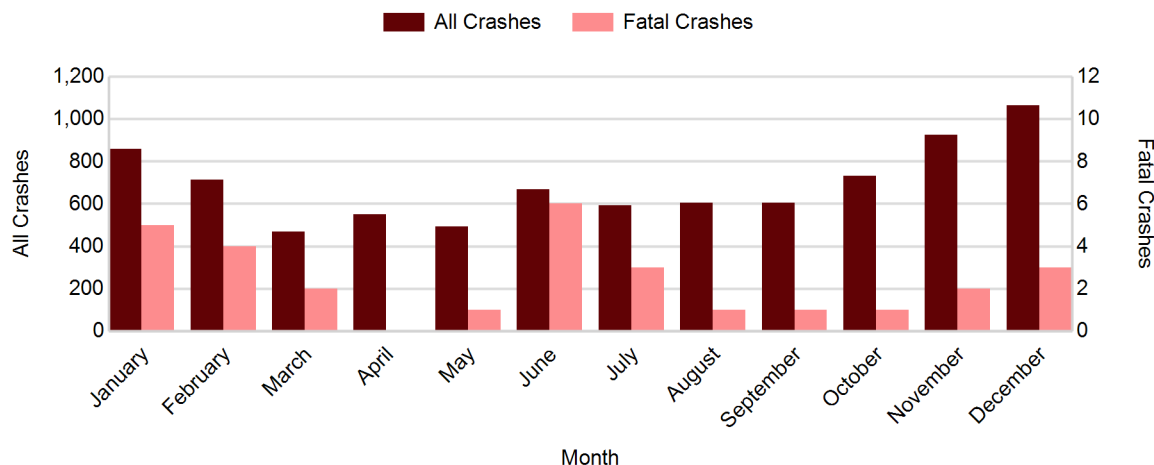
Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred in the same month

5-Year Trend - Crashes by Day of Week

Day	2012		2013		2014		2015		2016	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Monday	1,518	5	1,450	4	1,289	2	1,094	1	1,205	4
Tuesday	1,454	5	1,437	5	1,297	3	1,096	3	1,129	4
Wednesday	1,281	4	1,447	8	1,284	2	1,192	4	1,151	5
Thursday	1,463	2	1,479	4	1,367	3	1,277	2	1,286	5
Friday	1,645 †	4	1,634 †	1	1,588 †	1	1,362 †	5	1,315 †	4
Saturday	1,315	6	1,342	7	1,264	8	1,115	4	1,153	2
Sunday	1,269	4	1,167	7	1,037	1	963	6	1,025	5
Total	9,945	30	9,956	36	9,126	20	8,099	25	8,264	29

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

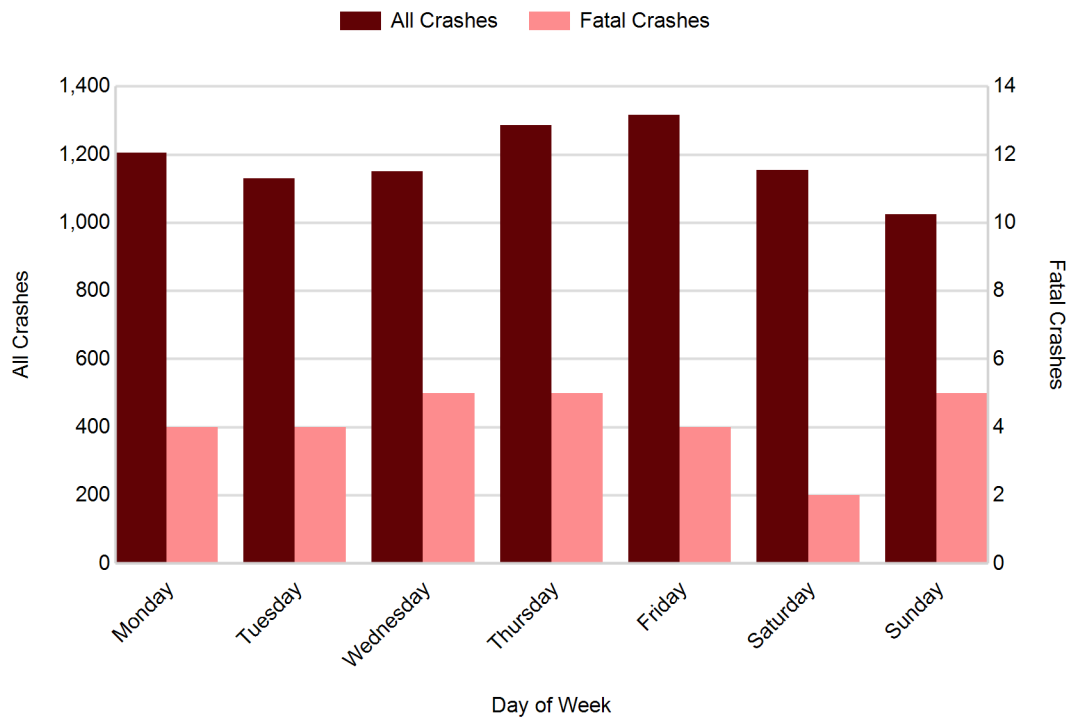
2016 Crashes by Month



2016 - 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	1,205	14.6	4	13.8	21	48	101	1,031
Tuesday	1,129	13.7	4	13.8	22	43	91	969
Wednesday	1,151	13.9	5	17.2	23	37	104	982
Thursday	1,286	15.6	5	17.2	23	44	81	1,133
Friday	1,315	15.9	4	13.8	25	62	114	1,110
Saturday	1,153	14.0	2	6.9	26	57	89	979
Sunday	1,025	12.4	5	17.2	26	58	68	868
Total	8,264	100.0	29	100.0	166	349	648	7,072

2016 Day of Week and Severity

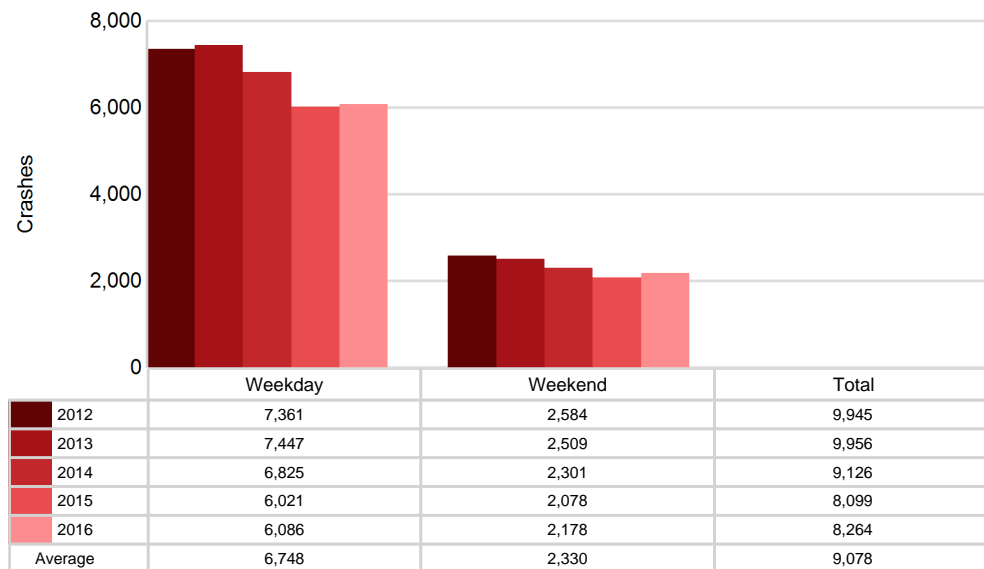


Upper Peninsula Prosperity Alliance (continued)

5-Year Trend - Crashes by Weekday and Weekend

Portion of Week	2012		2013		2014		2015		2016	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Weekday	7,361	20	7,447	22	6,825	11	6,021	15	6,086	22
Weekend	2,584	10	2,509	14	2,301	9	2,078	10	2,178	7
Total	9,945	30	9,956	36	9,126	20	8,099	25	8,264	29

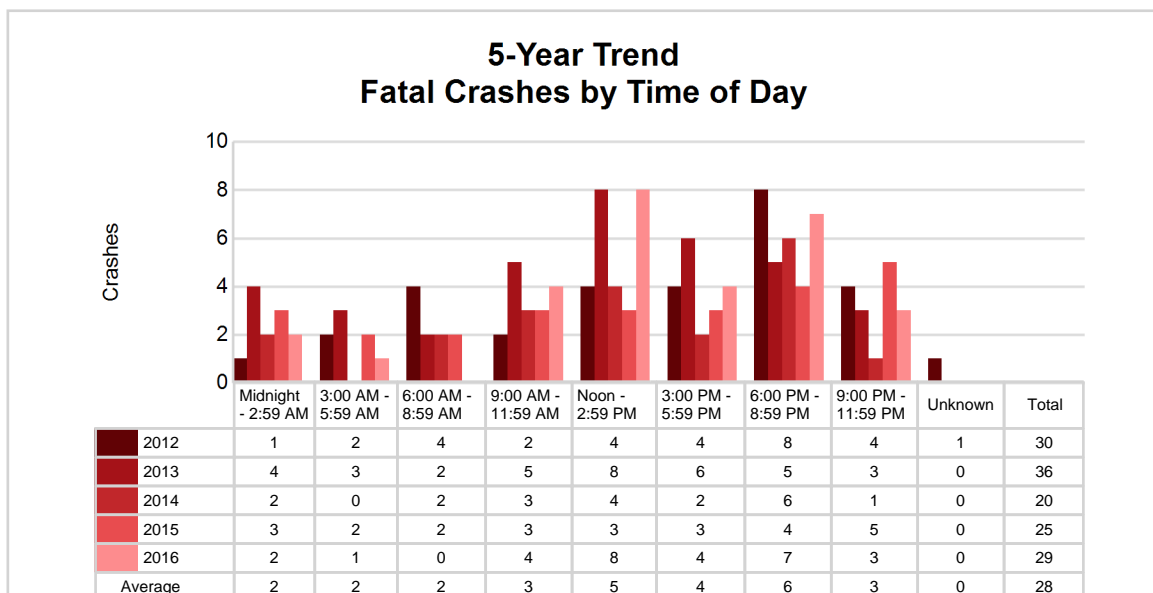
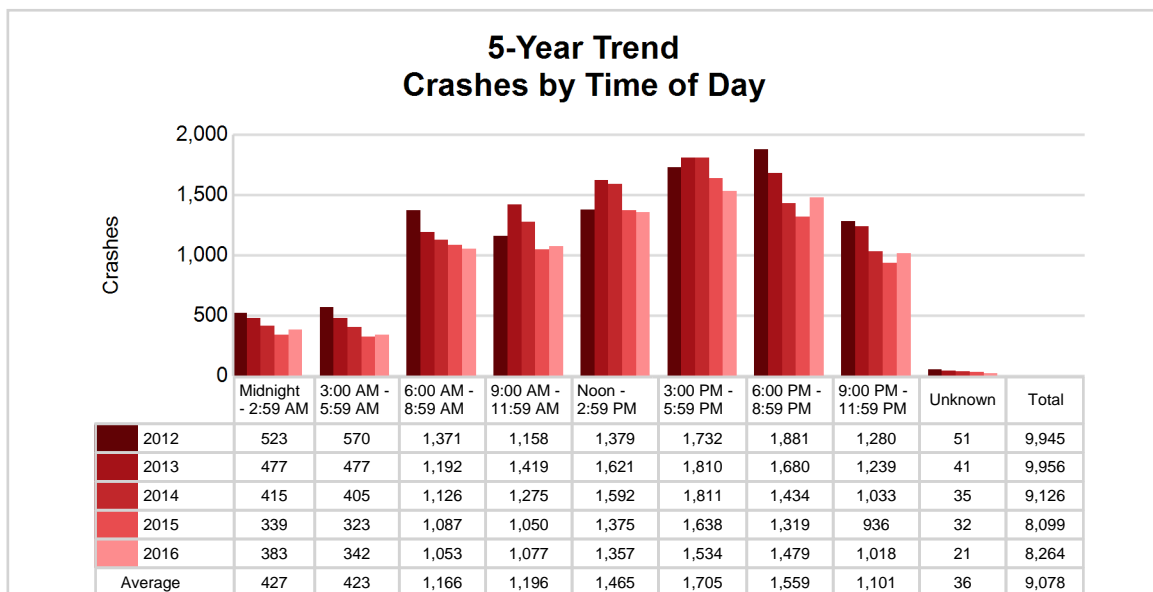
5-Year Crash Trends by Weekday (Monday - Friday) and Weekend (Saturday & Sunday)



5-Year Trend - Crashes by Time of Day

Time of Day	2012		2013		2014		2015		2016	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	523	1	477	4	415	2	339	3	383	2
3:00 AM - 5:59 AM	570	2	477	3	405	0	323	2	342	1
6:00 AM - 8:59 AM	1,371	4	1,192	2	1,126	2	1,087	2	1,053	0
9:00 AM - 11:59 AM	1,158	2	1,419	5	1,275	3	1,050	3	1,077	4
Noon - 2:59 PM	1,379	4	1,621	8	1,592	4	1,375	3	1,357	8
3:00 PM - 5:59 PM	1,732	4	1,810	6	1,811	2	1,638	3	1,534	4
6:00 PM - 8:59 PM	1,881	8	1,680	5	1,434	6	1,319	4	1,479	7
9:00 PM - 11:59 PM	1,280	4	1,239	3	1,033	1	936	5	1,018	3
Unknown	51	1	41	0	35	0	32	0	21	0
Total	9,945	30	9,956	36	9,126	20	8,099	25	8,264	29

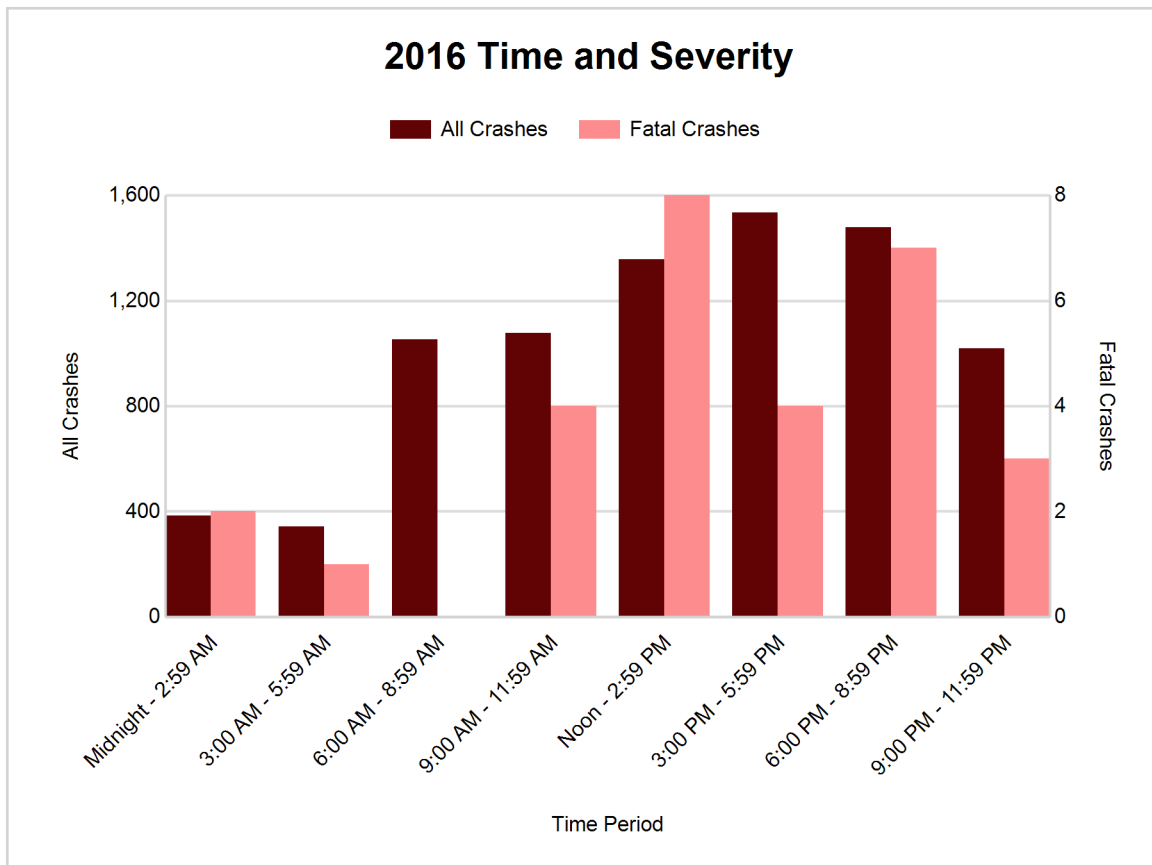
Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred in the same time period



Upper Peninsula Prosperity Alliance (continued)

2016 - Time and Severity

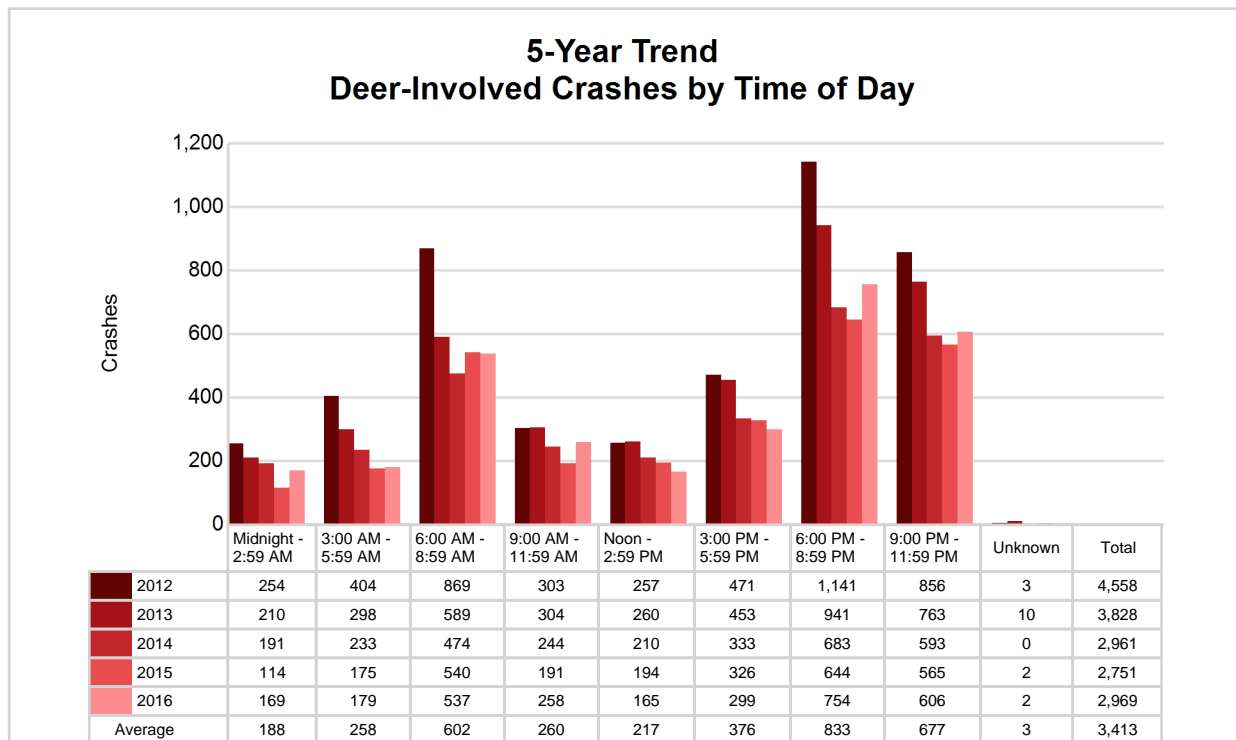
Time of Day	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	Number
Midnight - 2:59 AM	383	4.6	2	6.9	9	24	33	315
3:00 AM - 5:59 AM	342	4.1	1	3.4	4	23	25	289
6:00 AM - 8:59 AM	1,053	12.7	0	0.0	16	38	77	922
9:00 AM - 11:59 AM	1,077	13.0	4	13.8	20	35	95	923
Noon - 2:59 PM	1,357	16.4	8	27.6	28	61	143	1,117
3:00 PM - 5:59 PM	1,534	18.6	4	13.8	35	79	152	1,264
6:00 PM - 8:59 PM	1,479	17.9	7	24.1	35	55	81	1,301
9:00 PM - 11:59 PM	1,018	12.3	3	10.3	19	32	42	922
Unknown	21	0.3	0	0.0	0	2	0	19
Total	8,264	100.0	29	100.0	166	349	648	7,072



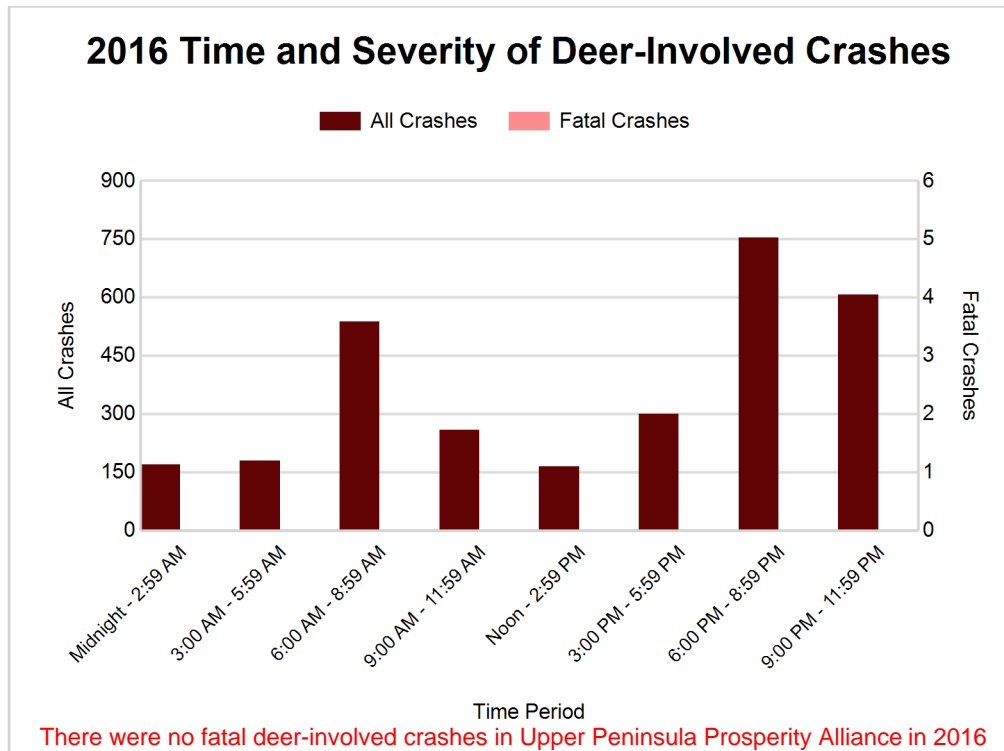
5-Year Trend - Deer-Involved Crashes by Time of Day

Time of Day	2012		2013		2014		2015		2016	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	254	0	210	0	191	0	114	0	169	0
3:00 AM - 5:59 AM	404	0	298	0	233	0	175	0	179	0
6:00 AM - 8:59 AM	869	0	589	0	474	0	540	0	537	0
9:00 AM - 11:59 AM	303	0	304	0	244	0	191	0	258	0
Noon - 2:59 PM	257	0	260	0	210	0	194	0	165	0
3:00 PM - 5:59 PM	471	0	453	1	333	0	326	0	299	0
6:00 PM - 8:59 PM	1,141 †	1	941 †	1	683 †	0	644 †	0	754 †	0
9:00 PM - 11:59 PM	856	0	763	0	593	0	565	0	606	0
Unknown	3	0	10	0	0	0	2	0	2	0
Total	4,558	1	3,828	2	2,961	0	2,751	0	2,969	0

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



Upper Peninsula Prosperity Alliance (continued)



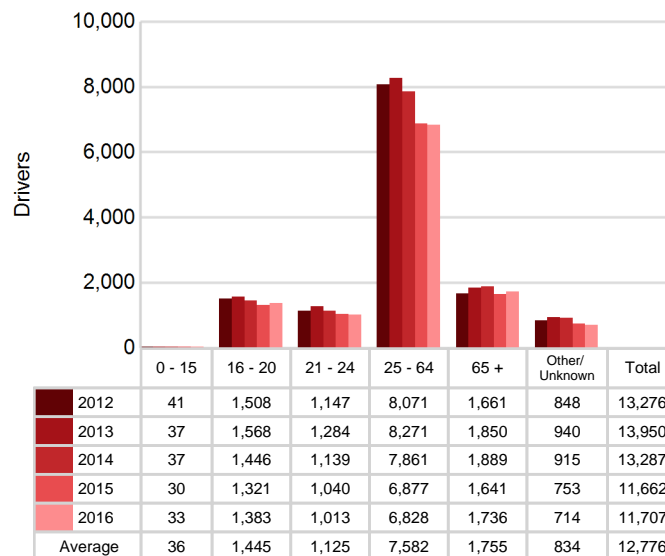
2016 - Reported Motor Vehicle Crashes by County

County	Crashes											Persons	
	Total	Fatal	Injury	Property Damage	Inter-state	US Route	State Route	Local Street	Alcohol-Involved	Drug-Involved	Deer-Involved	Fatalities	Injuries
Alger	280	2	44	234	0	34	143	101	12	5	98	2	64
Baraga	285	1	21	263	0	126	47	111	9	3	168	1	31
Chippewa	890	4	126	760	219	0	217	445	33	10	278	4	164
Delta	1,153	2	162	989	0	388	194	559	42	11	486	2	218
Dickinson	793	2	111	680	0	275	224	287	33	15	379	3	144
Gogebic	228	2	49	177	0	122	14	90	9	8	49	2	67
Houghton	946	1	129	816	0	316	269	353	37	2	211	1	157
Iron	423	3	37	383	0	156	73	193	18	3	243	4	46
Keweenaw	79	0	16	63	0	32	16	31	5	1	29	0	18
Luce	140	1	20	119	0	0	73	66	7	1	56	1	22
Mackinac	414	1	48	365	78	111	89	132	17	6	206	1	60
Marquette	1,704	4	261	1,439	0	519	260	914	67	22	314	5	357
Menominee	390	2	85	303	0	150	56	180	11	2	122	2	114
Ontonagon	259	1	17	241	0	68	140	46	7	2	175	1	19
Schoolcraft	280	3	37	240	0	96	96	81	12	5	155	3	60
Total	8,264	29	1,163	7,072	297	2,393	1,911	3,589	319	96	2,969	32	1,541

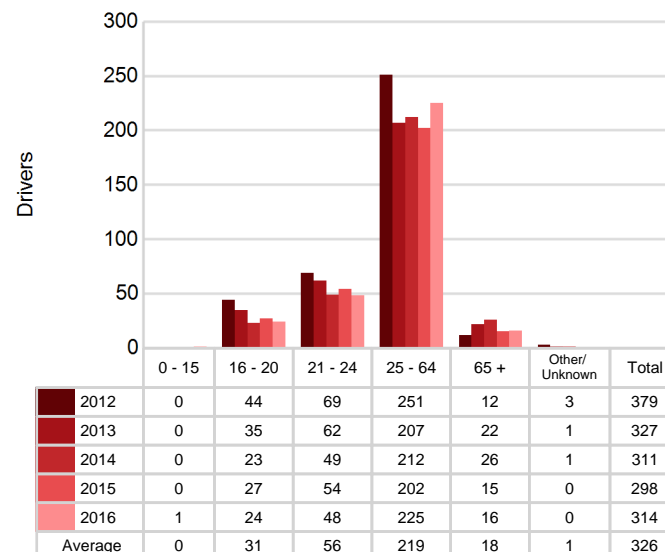
5-Year Trend - Drivers in Crashes Coded Drinking by Driver Age

Driver Age	2012		2013		2014		2015		2016	
	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	41	0	37	0	37	0	30	0	33	1
16 - 20	1,508	44	1,568	35	1,446	23	1,321	27	1,383	24
21 - 24	1,147	69	1,284	62	1,139	49	1,040	54	1,013	48
25 - 64	8,071	251	8,271	207	7,861	212	6,877	202	6,828	225
65 +	1,661	12	1,850	22	1,889	26	1,641	15	1,736	16
Unknown	848	3	940	1	915	1	753	0	714	0
Total	13,276	379	13,950	327	13,287	311	11,662	298	11,707	314

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



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



Upper Peninsula Prosperity Alliance (continued)

2016 - 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	1	1	0	0	1	0	0
16 - 20	35	32	18	24	0	2	5	7	10
21 - 24	54	49	36	48	0	8	4	14	22
25 - 64	273	235	159	225	2	22	50	54	97
65 +	23	20	13	16	1	3	6	1	5
Unknown	49	1	0	0	0	0	0	0	0
Total	435	338	227	314	3	35	66	76	134

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 2016, there were 435 drivers in alcohol-involved crashes; 314 (72.2%) of those drivers were coded as had-been-drinking by the officer on the crash form.

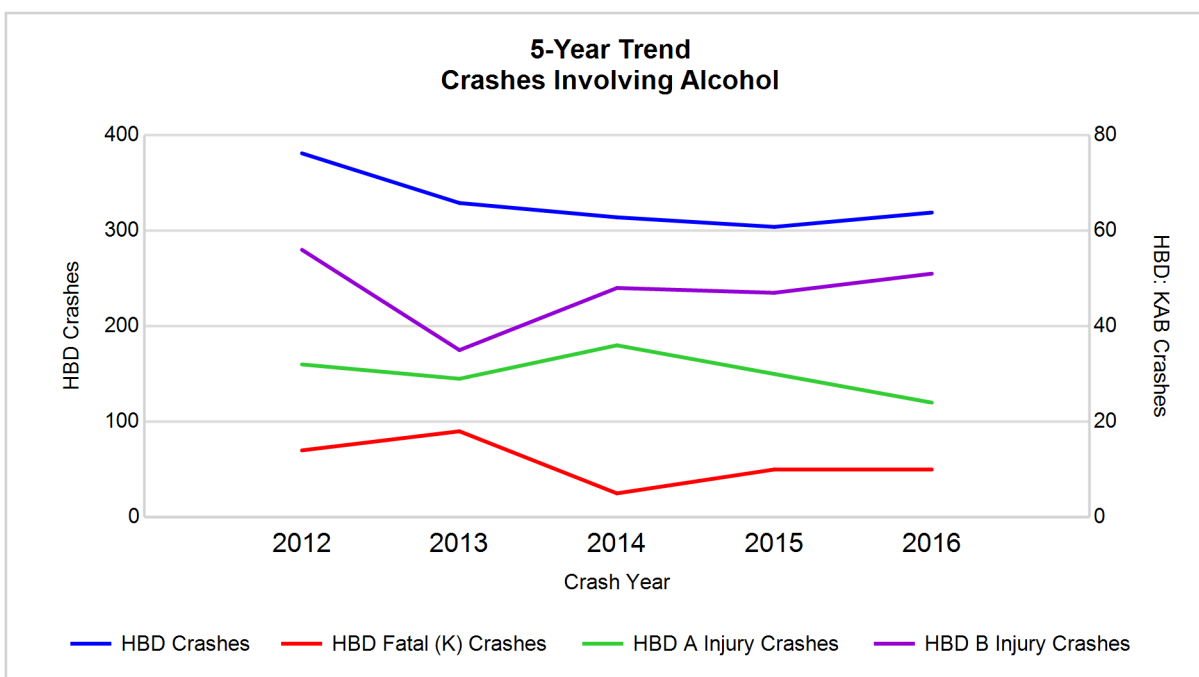
- 142 (45.2%) of the 314 drivers had a blood alcohol concentration (BAC) of 0.08 g/dL (grams per deciliter) or greater, and 76 (53.5%) of the 142 drivers had a BAC at or above 0.17 g/dL.
- 227 (72.3%) of the 314 drivers were coded as had-been-drinking and were tested for alcohol consumption.

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
2012	9,945	381	3.8	30	14	46.7	185	32	17.3	392	56	14.3
2013	9,956	329	3.3	36	18	50.0	168	29	17.3	323	35	10.8
2014	9,126	314	3.4	20	5	25.0	165	36	21.8	326	48	14.7
2015	8,099	304	3.8	25	10	40.0	166	30	18.1	286	47	16.4
2016	8,264	319	3.9**	29	10	34.5	166	24*	14.5*	349	51	14.6

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



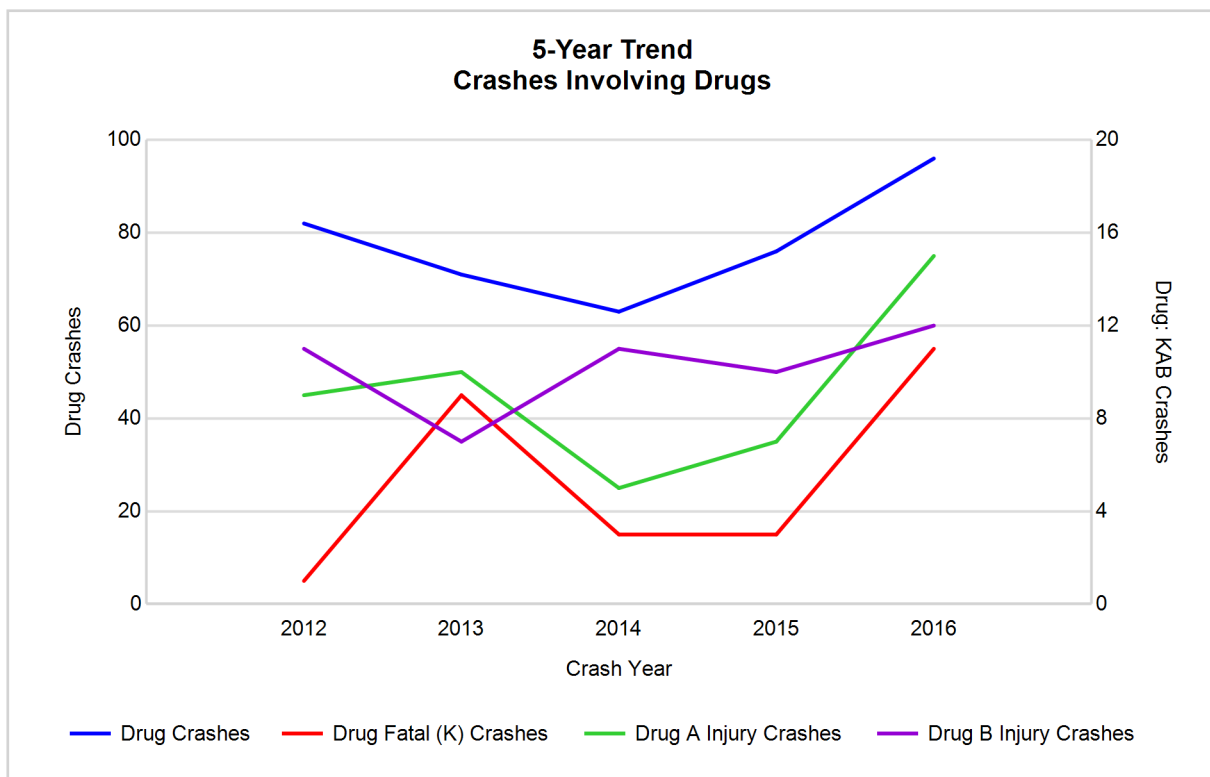
Note: Had-Been-Drinking (HBD)

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
2012	9,945	82	0.8	30	1	3.3	185	9	4.9	392	11	2.8
2013	9,956	71	0.7	36	9	25.0	168	10	6.0	323	7	2.2
2014	9,126	63	0.7	20	3	15.0	165	5	3.0	326	11	3.4
2015	8,099	76	0.9	25	3	12.0	166	7	4.2	286	10	3.5
2016	8,264	96**	1.2**	29	11**	37.9**	166	15**	9.0**	349	12**	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



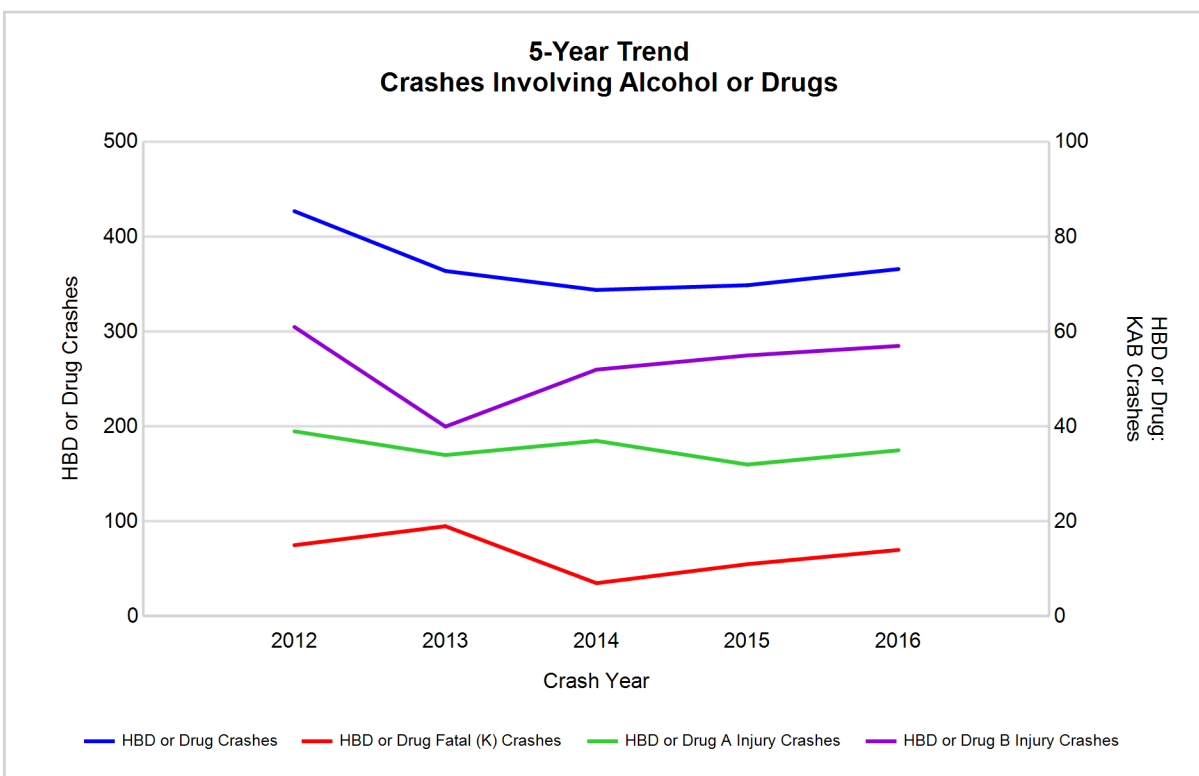
Upper Peninsula Prosperity Alliance (continued)

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
2012	9,945	427	4.3	30	15	50.0	185	39	21.1	392	61	15.6
2013	9,956	364	3.7	36	19	52.8	168	34	20.2	323	40	12.4
2014	9,126	344	3.8	20	7	35.0	165	37	22.4	326	52	16.0
2015	8,099	349	4.3	25	11	44.0	166	32	19.3	286	55	19.2
2016	8,264	366	4.4**	29	14	48.3	166	35	21.1	349	57	16.3

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)

Upper Peninsula Prosperity Alliance (continued)

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2016 - 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	8,542	7,801	91.3	14	8	57.1	100	75	75.0	256	228	89.1	675	637	94.4	7,100	6,847	96.4
Motor home	136	120	88.2	0	0	0.0	0	0	0.0	2	2	100.0	9	9	100.0	115	109	94.8
Pickup truck	2,594	2,315	89.2	2	0	0.0	30	19	63.3	82	71	86.6	152	136	89.5	2,203	2,089	94.8
Small truck under 10,000 lbs. GVWR	133	118	88.7	1	0	0.0	0	0	0.0	6	5	83.3	3	3	100.0	117	110	94.0
Motorcycle	126	70	55.6	3	1	33.3	24	9	37.5	51	31	60.8	22	17	77.3	24	12	50.0
Moped / goped	10	1	10.0	1	0	0.0	1	0	0.0	4	0	0.0	2	0	0.0	2	1	50.0
Go-cart / golf cart	1	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0
Snowmobile	34	26	76.5	6	6	100.0	7	5	71.4	5	5	100.0	2	2	100.0	11	8	72.7
Off-Road Vehicle - ORV / All-Terrain Vehicle - ATV	59	34	57.6	2	2	100.0	15	9	60.0	18	14	77.8	12	6	50.0	10	3	30.0
Other	59	37	62.7	0	0	0.0	1	0	0.0	1	0	0.0	0	0	0.0	48	37	77.1
Truck/bus over 10,000 lbs.	238	219	92.0	0	0	0.0	3	2	66.7	1	1	100.0	6	3	50.0	226	213	94.2
Unknown	161	2	1.2	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0	3	2	66.7
Total	12,093	10,743	88.8	29	17	58.6	181	119	65.7	426	357	83.8	884	813	92.0	9,860	9,431	95.6

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.

2016 - 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	105	93	88.6	0	0	0.0	9	6	66.7	20	20	100.0	59	51	86.4	17	16	94.1
16 - 20	1,444	1,367	94.7	1	0	0.0	20	12	60.0	70	58	82.9	129	114	88.4	1,222	1,182	96.7
21 - 24	1,049	985	93.9	3	3	100.0	15	10	66.7	53	43	81.1	73	68	93.2	904	861	95.2
25 - 64	6,977	6,572	94.2	20	12	60.0	109	71	65.1	220	179	81.4	497	461	92.8	6,106	5,846	95.7
65 +	1,801	1,724	95.7	5	2	40.0	28	20	71.4	63	57	90.5	123	118	95.9	1,579	1,525	96.6
Unknown	717	2	0.3	0	0	0.0	0	0	0.0	0	0	0.0	3	1	33.3	32	1	3.1
Total	12,093	10,743	88.8	29	17	58.6	181	119	65.7	426	357	83.8	884	813	92.0	9,860	9,431	95.6

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.

Upper Peninsula Prosperity Alliance (continued)

5-Year Trend - Restraint Use Among Drivers

Restraint Use	2012			2013			2014			2015			2016		
	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	181	0	18	129	1	13	80	0	9	96	0	17	44	0	3
Shoulder belt only used	46	0	3	37	1	8	55	0	4	43	0	6	77	0	7
Lap belt only used	37	0	6	52	0	3	62	1	6	33	0	3	27	0	6
Both lap & shoulder belts used	11,462	7	948	12,118	10	1,015	11,515	7	967	10,176	6	876	10,192	4	872
No belts used	116	5	53	118	9	41	112	4	39	97	8	39	94	5	40
Child restraint used	0	0	0	0	0	0	0	0	0	0	0	0	3	0	2
Child restraint not used, unavailable or improper use	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0
Restraint failure	10	0	0	10	0	0	6	0	0	8	0	0	5	0	0
Restraint use unknown	302	0	46	298	2	26	300	0	39	257	2	45	689	1	37
Helmet worn	216	2	168	170	4	113	194	1	130	131	2	91	123	9	90
Helmet not worn	58	6	42	60	4	42	39	2	29	50	2	39	65	3	44
Helmet use unknown	11	0	4	12	0	9	12	0	7	9	0	6	16	0	10
Uncoded & errors	837	0	2	945	0	2	912	0	3	762	0	1	371	0	1
Total	13,276	20	1,290	13,950	31	1,272	13,287	15	1,233	11,662	20	1,123	11,707	22	1,112

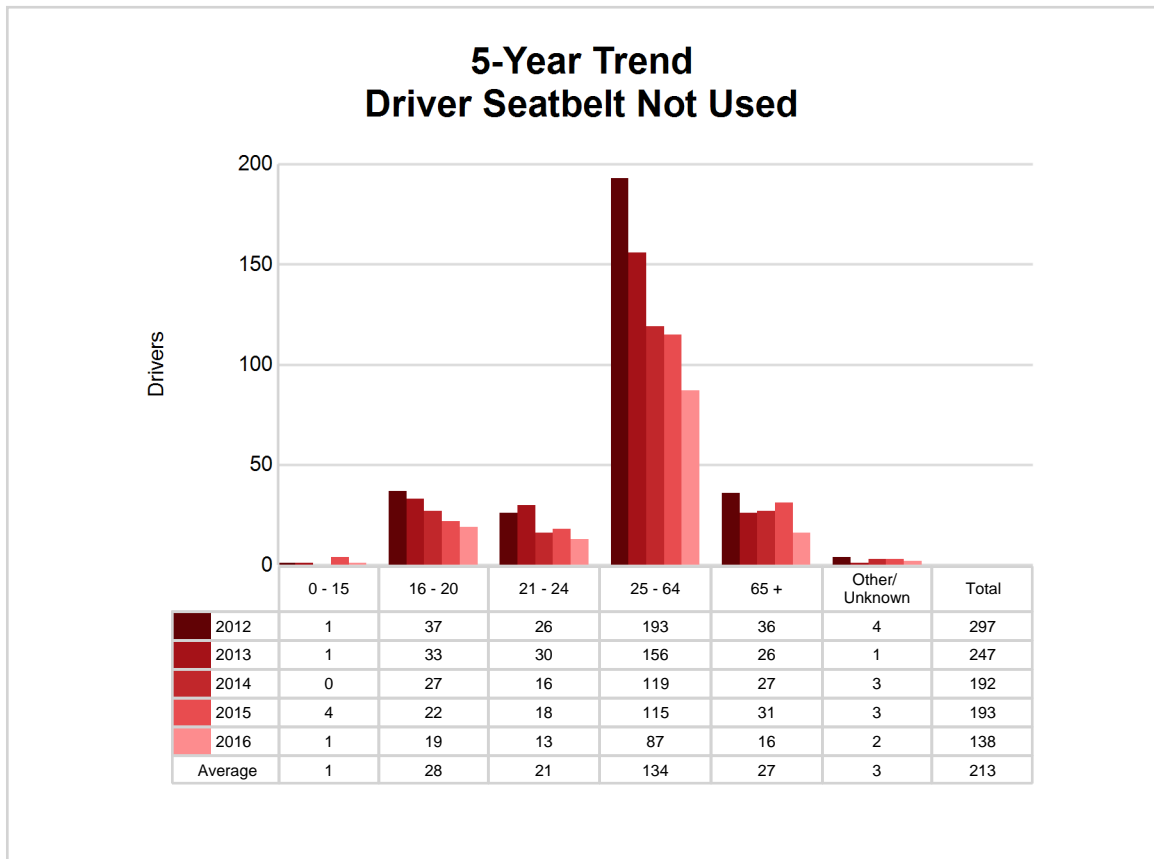
5-Year Trend - Restraint Use Among Drivers Coded Drinking

Restraint Use	2012			2013			2014			2015			2016		
	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	6	0	1	3	1	0	1	0	1	3	0	1	1	0	0
Shoulder belt only used	1	0	0	3	0	1	1	0	0	1	0	1	0	0	0
Lap belt only used	1	0	1	2	0	0	0	0	0	1	0	1	0	0	0
Both lap & shoulder belts used	244	2	61	206	3	50	204	0	57	198	1	51	209	1	57
No belts used	27	3	19	27	6	13	26	2	16	19	4	12	25	4	13
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	1	0	0
Restraint failure	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0
Restraint use unknown	68	0	17	61	1	11	56	0	16	56	0	17	58	0	17
Helmet worn	17	1	15	9	2	2	13	1	9	9	1	7	7	1	6
Helmet not worn	10	2	8	11	2	9	7	0	6	8	1	6	8	1	6
Helmet use unknown	1	0	0	2	0	2	2	0	2	2	0	2	3	0	3
Uncoded & errors	3	0	0	2	0	0	1	0	0	0	0	0	2	0	0
Total	379	8	122	327	15	88	311	3	107	298	7	98	314	7	102

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

Age Group	2012			2013			2014			2015			2016		
	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	1	0	1	1	0	1	0	0	0	4	0	3	1	0	1
16 - 20	37	0	10	33	0	9	27	0	10	22	2	8	19	0	9
21 - 24	26	0	11	30	2	6	16	1	7	18	0	5	13	0	5
25 - 64	193	4	43	156	8	29	119	3	27	115	4	31	87	3	24
65 +	36	1	6	26	0	9	27	0	4	31	2	9	16	2	4
Unknown	4	0	0	1	0	0	3	0	0	3	0	0	2	0	0
Total	297	5	71	247	10	54	192	4	48	193	8	56	138	5	43

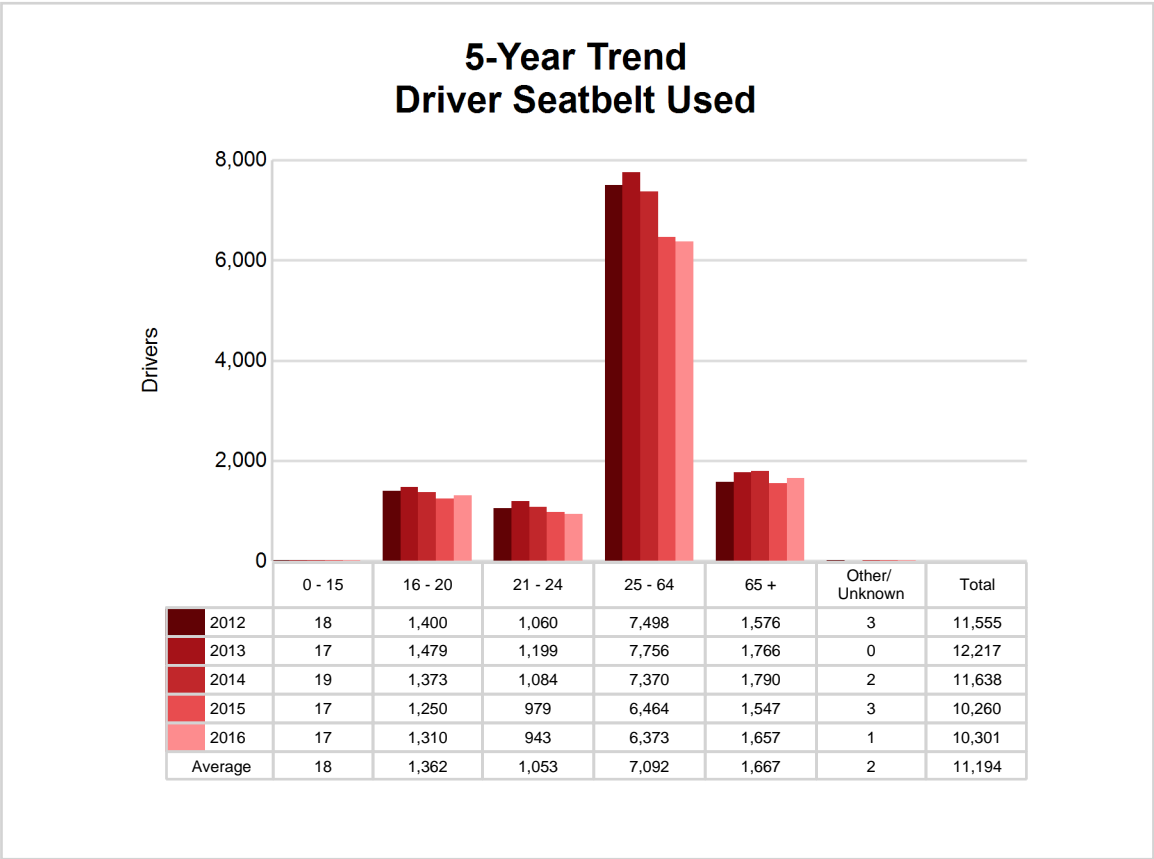
Note: Seatbelt Not Used includes no belts available or no belts used.



5-Year Trend - Seatbelt Used Among Drivers by Age

Age Group	2012			2013			2014			2015			2016		
	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	18	0	2	17	0	3	19	0	2	17	0	3	17	0	5
16 - 20	1,400	0	148	1,479	4	134	1,373	1	130	1,250	1	119	1,310	0	129
21 - 24	1,060	0	85	1,199	0	108	1,084	0	101	979	0	76	943	0	83
25 - 64	7,498	5	573	7,756	1	616	7,370	4	600	6,464	3	543	6,373	3	538
65 +	1,576	2	149	1,766	6	165	1,790	3	144	1,547	2	144	1,657	1	130
Unknown	3	0	0	0	0	0	2	0	0	3	0	0	1	0	0
Total	11,555	7	957	12,217	11	1,026	11,638	8	977	10,260	6	885	10,301	4	885

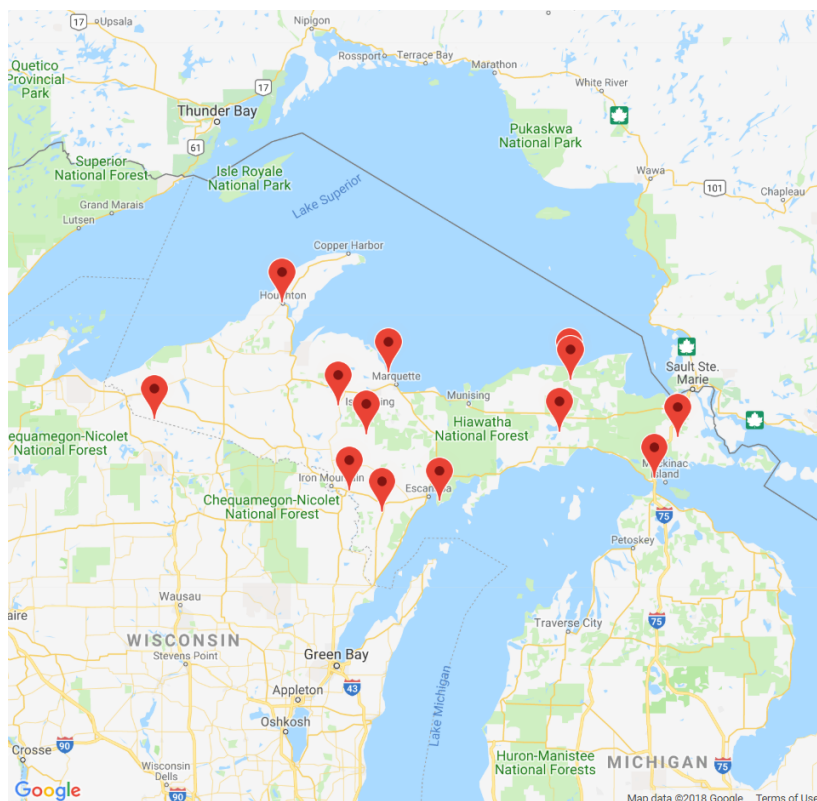
Note: Seatbelt Used includes shoulder belt only used, lap belt only used, both lap and shoulder belts used, and restraint failure.



5-Year Trend - Drivers in Crashes by Hazardous Action

Hazardous Action	2012		2013		2014		2015		2016	
	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	8,350	14	8,267	18	7,622	12	6,787	14	6,770	15
Speed too fast	1,184	4	1,409	13	1,393	6	1,063	2	1,093	8
Speed too slow	26	0	14	0	14	0	8	0	14	0
Failed to yield	872	4	1,007	1	1,104	5	960	3	917	5
Disregard traffic control	142	1	162	1	166	1	152	2	137	1
Drove wrong way	8	0	13	0	4	0	14	0	10	1
Drove left of center	59	2	73	5	59	2	64	1	57	1
Improper passing	35	0	50	0	73	0	43	0	52	0
Improper lane use	137	0	152	0	176	0	132	1	127	0
Improper turn	89	0	107	0	98	0	102	1	96	0
Improper/no signal	34	1	26	0	35	0	26	0	14	0
Improper backing	321	0	395	0	358	0	325	0	331	0
Unable to stop in assured clear distance	852	1	1,016	0	1,004	0	913	0	881	2
Other	334	3	418	2	392	1	328	2	353	3
Unknown	186	4	175	7	213	3	184	5	284	2
Reckless driving	64	0	76	0	57	0	58	4	46	1
Careless/negligent driving	488	2	501	4	450	1	446	5	458	3
Uncoded & errors	95	1	89	0	69	0	57	0	67	0
Total	13,276	37	13,950	51	13,287	31	11,662	40	11,707	42

Upper Peninsula Prosperity Alliance (continued)



The picture above represents all 2016 alcohol-involved fatal crashes in Upper Peninsula Prosperity Alliance.

In 2016, there were 319 alcohol-involved crashes in Upper Peninsula Prosperity Alliance:

- 10 K - Fatal Crashes
- 24 A - Suspected Serious Injury Crashes
- 51 B - Suspected Minor Injury Crashes
- 55 C - Possible Injury Crashes
- 179 O - Property Damage Only/No Injury Crashes

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