



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

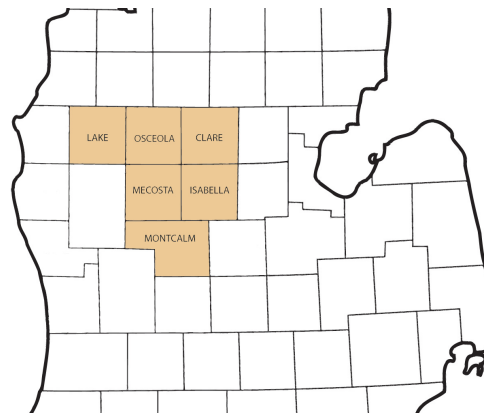
Property Damage Only (PDO)



Traffic Safety Network Chippewa Valley

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

Traffic Safety Network Chippewa Valley is comprised of Clare, Isabella, Lake, Mecosta, Montcalm, and Osceola 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 Chippewa Valley Experience

In 2016:

There were 12,759 drivers involved in 9,654 motor vehicle crashes in Traffic Safety Network Chippewa Valley. Of those crashes, 22 were classified as fatal, resulting in 27 fatalities. An additional 1,736 persons were injured.

Traffic Safety Network Chippewa Valley experienced the highest number of motor vehicle crashes (1,270) in November, the highest number of fatal crashes (4) in July, May, and the highest number of persons killed (5) in May.

Michigan driver statistics indicate 6.6 percent of licensed drivers in Traffic Safety Network Chippewa Valley were age 16-20, and 13.0 percent of drivers in crashes were also in that age group.

2016 - Crashes and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only (PDO)	Fatalities	Injuries
January	958	1	115	842	1	143
February	765	0	97	668	0	130
March	656	1	97	558	1	126
April	592	0	79	513	0	115
May	707	4	108	595	5	145
June	677	3	94	580	3	131
July	578	4	102	472	4	133
August	561	2	114	445	4	148
September	728	2	121	605	2	178
October	1,112	2	128	982	3	178
November	1,270	1	114	1,155	1	141
December	1,050	2	110	938	3	168
Total	9,654	22	1,279	8,353	27	1,736

2016 - Driver Statistics

Age Group	Statewide			Driver Rates	
	2016 Population	Licensed Drivers	Drivers in Crashes	Per 10k Population	Per 10k Licensed
0 - 15	1,923,244	49,678	20	0.1	4.0
16 - 20	672,666	471,135	1,658	24.6	35.2
21 - 24	570,792	470,489	1,568	27.5	33.3
25 - 64	5,149,843	4,748,323	7,743	15.0	16.3
65 +	1,611,755	1,437,067	1,411	8.8	9.8
Unknown	0	0	359	--	--
Total	9,928,300	7,176,692	12,759	12.9	17.8

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	9,659	75.7	21	58.3	1,385	8,253
Motor home	170	1.3	0	0.0	25	145
Pickup truck	2,314	18.1	7	19.4	357	1,950
Small truck under 10,000 lbs. GVWR	127	1.0	0	0.0	13	114
Motorcycle	102	0.8	5	13.9	79	18
Moped / goped	6	0.0	0	0.0	5	1
Go-cart / golf cart	2	0.0	0	0.0	2	0
Snowmobile	8	0.1	0	0.0	4	4
Off-Road Vehicle - ORV / All-Terrain Vehicle - ATV	40	0.3	1	2.8	33	6
Other	59	0.5	1	2.8	9	49
Truck/bus over 10,000 lbs.	195	1.5	1	2.8	42	152
Unknown	77	0.6	0	0.0	4	73
Total	12,759	100.0	36	100.0	1,958	10,765

Traffic Safety Network Chippewa Valley (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	1,004	2	908	5	1,046	0	850	1	958	1
February	811	3	906	1	769	4	702	1	765	0
March	595	3	781	0	685	5	548	1	656	1
April	511	4	598	0	547	0	563	2	592	0
May	683	5	618	3	599	5	639	2	707	4
June	677	4	662	0	654	1	659	3	677	3
July	567	5	561	5	543	4	633	8	578	4
August	539	2	563	1	524	2	518	5	561	2
September	686	5	680	2	600	1	664	4	728	2
October	1,063	1	1,007	6	1,027	2	1,058	2	1,112	2
November	1,093 †	2	1,278 †	1	1,499 †	6	1,180 †	4	1,270 †	1
December	961	2	934	3	765	3	704	1	1,050	2
Total	9,190	38	9,496	27	9,258	33	8,718	34	9,654	22

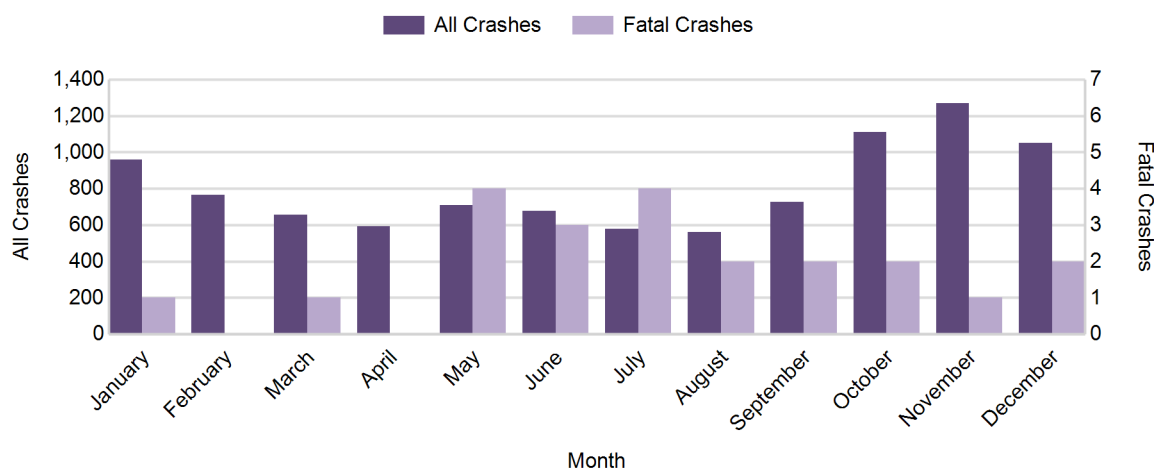
Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred in the same month

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	1,246	6	1,385	4	1,206	4	1,211	5	1,314	6
Tuesday	1,305	5	1,384	4	1,265	4	1,291	2	1,412	0
Wednesday	1,209	3	1,287	3	1,377	3	1,259	3	1,596	2
Thursday	1,403	3	1,515	4	1,347	3	1,236	3	1,425	4
Friday	1,644	5	1,467	3	1,652	6	1,338	9	1,505	4
Saturday	1,250	6	1,328	5	1,234	5	1,310	8	1,282	4
Sunday	1,133	10	1,130	4	1,177	8	1,073	4	1,120	2
Total	9,190	38	9,496	27	9,258	33	8,718	34	9,654	22

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

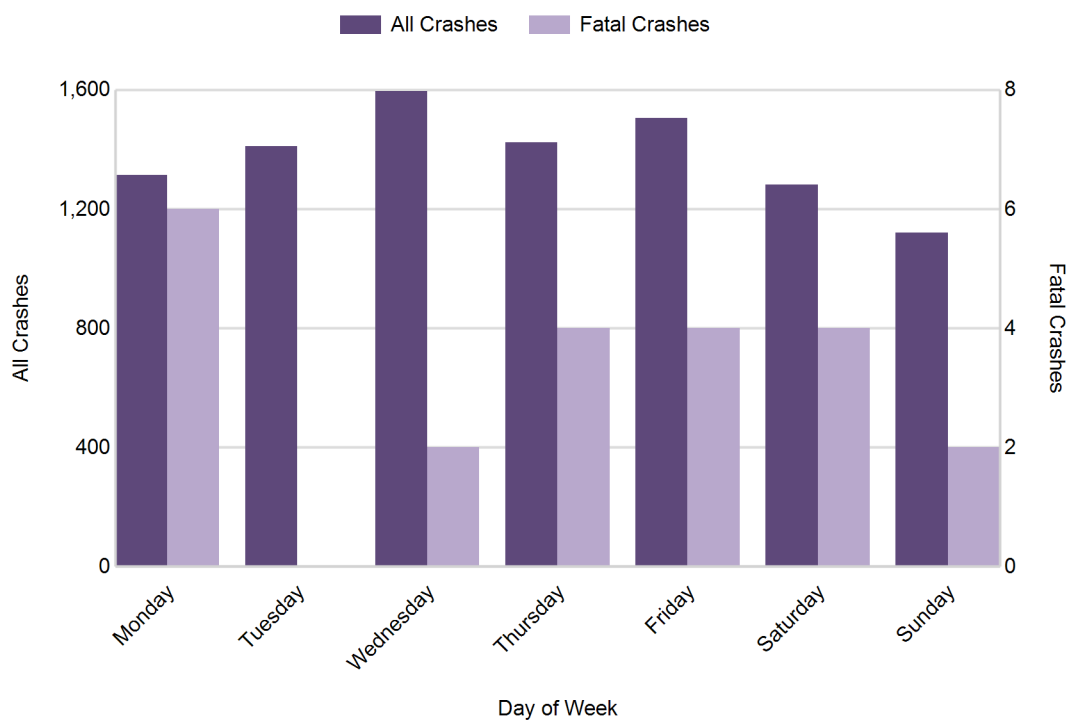
2016 Crashes by Month



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	1,314	13.6	6	27.3	22	63	84	1,139
Tuesday	1,412	14.6	0	0.0	18	58	98	1,238
Wednesday	1,596	16.5	2	9.1	16	71	124	1,383
Thursday	1,425	14.8	4	18.2	16	55	88	1,262
Friday	1,505	15.6	4	18.2	28	67	97	1,309
Saturday	1,282	13.3	4	18.2	44	73	94	1,067
Sunday	1,120	11.6	2	9.1	34	51	78	955
Total	9,654	100.0	22	100.0	178	438	663	8,353

2016 Day of Week and Severity

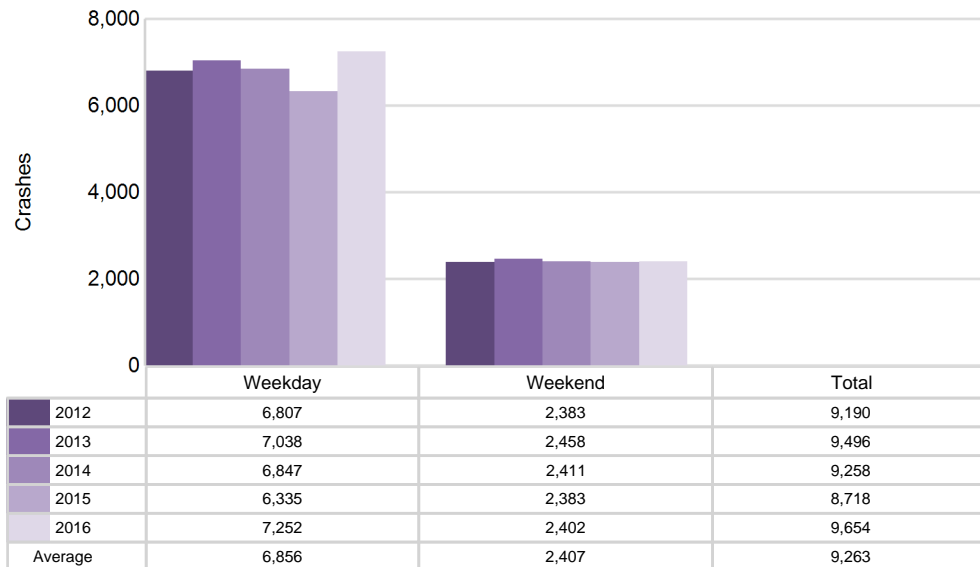


Traffic Safety Network Chippewa Valley (continued)

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	6,807	22	7,038	18	6,847	20	6,335	22	7,252	16
Weekend	2,383	16	2,458	9	2,411	13	2,383	12	2,402	6
Total	9,190	38	9,496	27	9,258	33	8,718	34	9,654	22

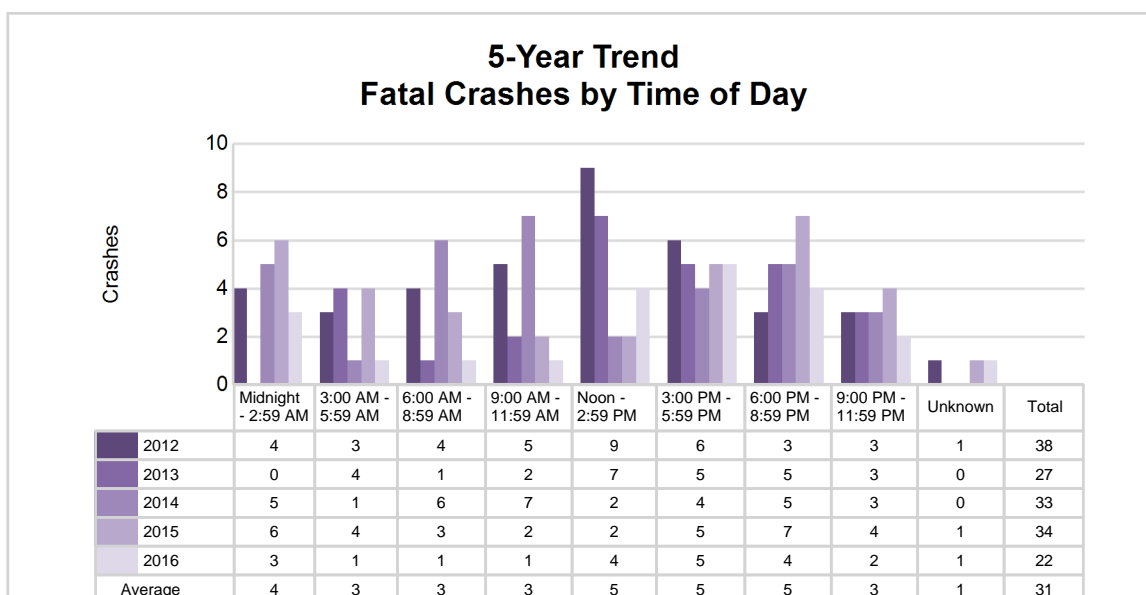
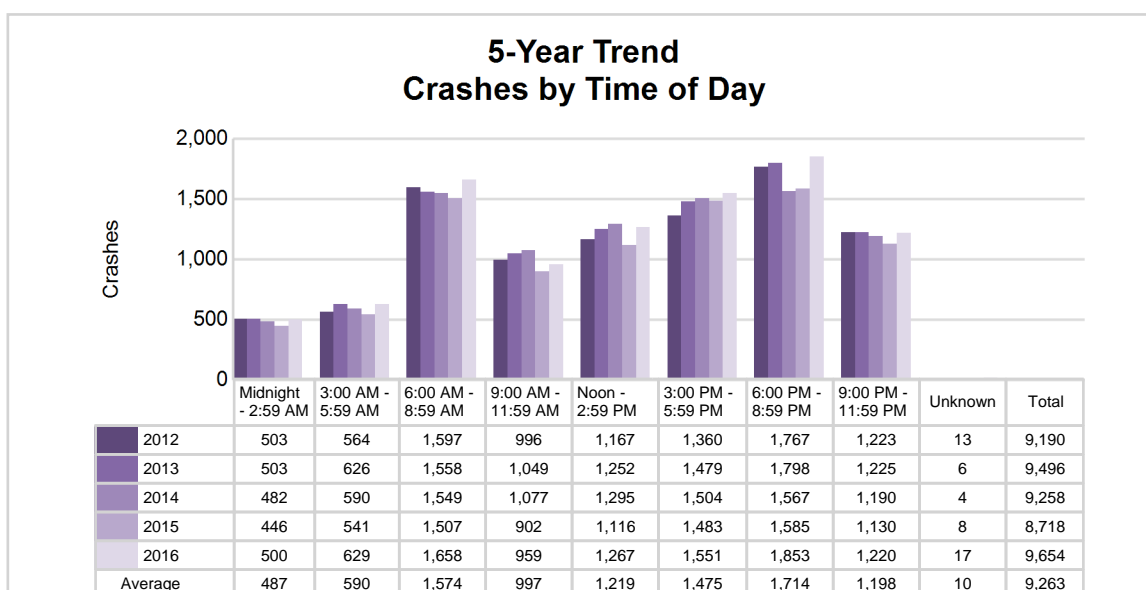
5-Year Crash Trends by Weekday (Monday - Friday) and Weekend (Saturday & Sunday)



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	503	4	503	0	482	5	446	6	500	3
3:00 AM - 5:59 AM	564	3	626	4	590	1	541	4	629	1
6:00 AM - 8:59 AM	1,597	4	1,558	1	1,549	6	1,507	3	1,658	1
9:00 AM - 11:59 AM	996	5	1,049	2	1,077	7	902	2	959	1
Noon - 2:59 PM	1,167	9	1,252	7	1,295	2	1,116	2	1,267	4
3:00 PM - 5:59 PM	1,360	6	1,479	5	1,504	4	1,483	5	1,551	5
6:00 PM - 8:59 PM	1,767 †	3	1,798 †	5	1,567 †	5	1,585 †	7	1,853 †	4
9:00 PM - 11:59 PM	1,223	3	1,225	3	1,190	3	1,130	4	1,220	2
Unknown	13	1	6	0	4	0	8	1	17	1
Total	9,190	38	9,496	27	9,258	33	8,718	34	9,654	22

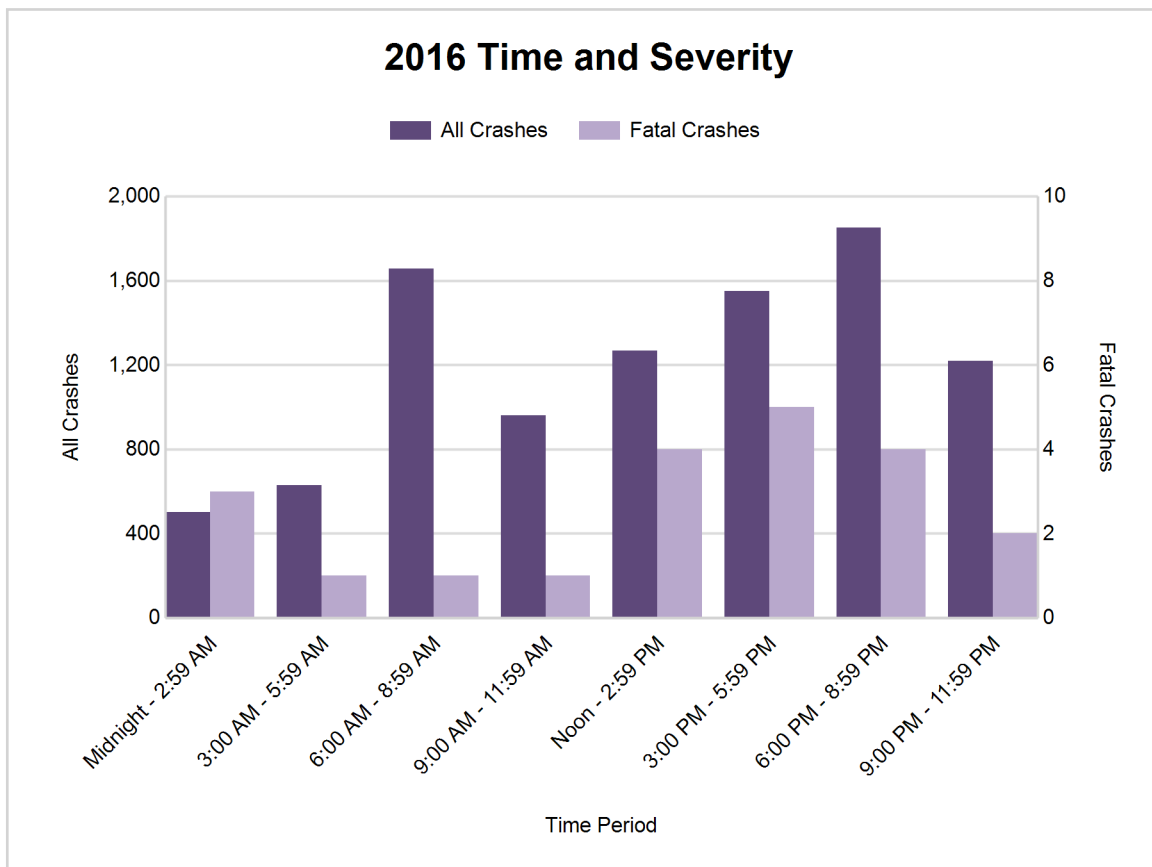
Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred in the same time period



Traffic Safety Network Chippewa Valley (continued)

2016 - Time and Severity

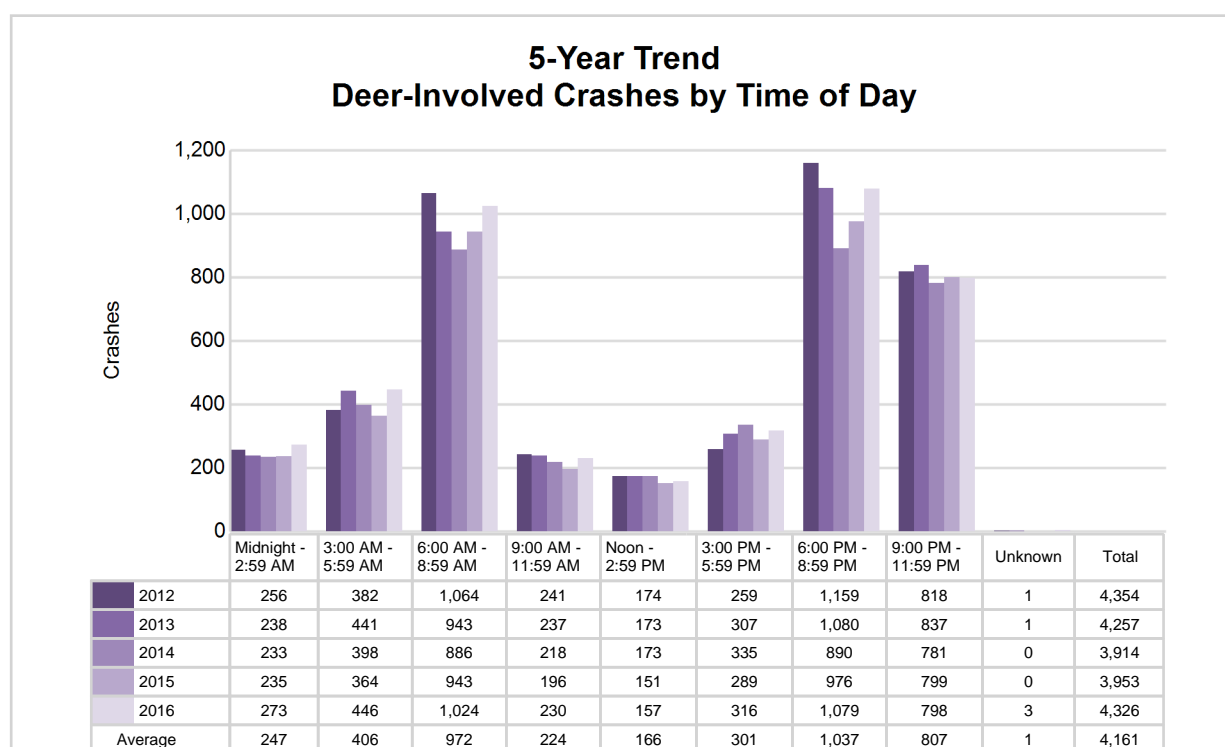
Time of Day	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	Number
Midnight - 2:59 AM	500	5.2	3	13.6	16	26	28	427
3:00 AM - 5:59 AM	629	6.5	1	4.5	10	16	23	579
6:00 AM - 8:59 AM	1,658	17.2	1	4.5	16	52	86	1,503
9:00 AM - 11:59 AM	959	9.9	1	4.5	15	43	93	807
Noon - 2:59 PM	1,267	13.1	4	18.2	34	93	145	991
3:00 PM - 5:59 PM	1,551	16.1	5	22.7	34	105	137	1,270
6:00 PM - 8:59 PM	1,853	19.2	4	18.2	31	65	103	1,650
9:00 PM - 11:59 PM	1,220	12.6	2	9.1	22	35	47	1,114
Unknown	17	0.2	1	4.5	0	3	1	12
Total	9,654	100.0	22	100.0	178	438	663	8,353



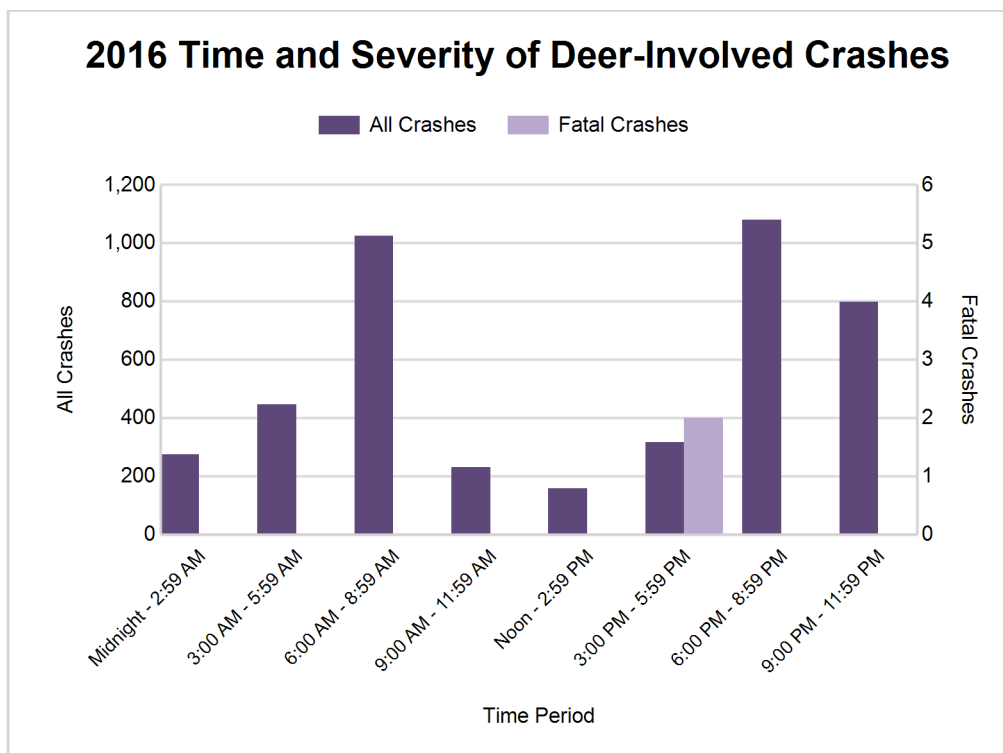
5-Year Trend - Deer-Involved Crashes by Time of Day

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	256	0	238	0	233	0	235	0	273	0
3:00 AM - 5:59 AM	382	0	441	0	398	0	364	0	446	0
6:00 AM - 8:59 AM	1,064	0	943	0	886	0	943	0	1,024	0
9:00 AM - 11:59 AM	241	0	237	0	218	0	196	0	230	0
Noon - 2:59 PM	174	0	173	0	173	0	151	0	157	0
3:00 PM - 5:59 PM	259	0	307	0	335	1	289	0	316	2
6:00 PM - 8:59 PM	1,159 †	0	1,080 †	0	890 †	0	976 †	0	1,079 †	0
9:00 PM - 11:59 PM	818	0	837	1	781	0	799	0	798	0
Unknown	1	0	1	0	0	0	0	0	3	0
Total	4,354	0	4,257	1	3,914	1	3,953	0	4,326	2

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



Traffic Safety Network Chippewa Valley (continued)



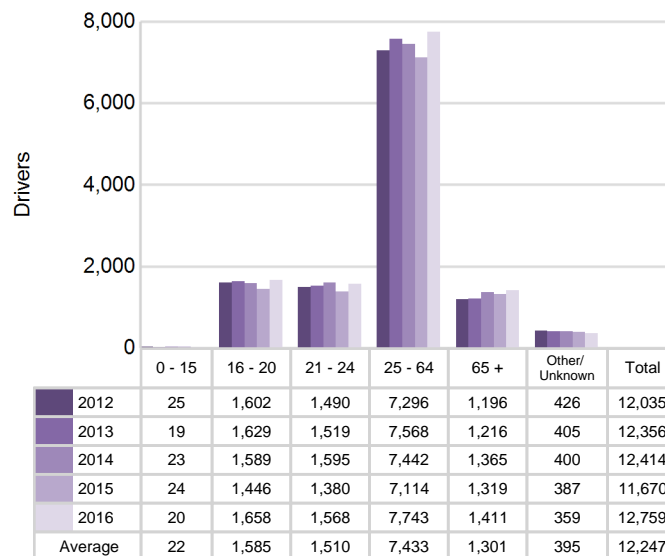
2016 - Reported Motor Vehicle Crashes by County

County	Crashes											Persons	
	Total	Fatal	Injury	Property Damage	Inter-state	US Route	State Route	Local Street	Alcohol-Involved	Drug-Involved	Deer-Involved	Fatalities	Injuries
Clare	1,140	6	128	1,006	0	412	199	526	29	16	558	8	184
Isabella	2,859	4	383	2,472	0	664	380	1,810	77	20	980	6	533
Lake	445	3	70	372	0	108	69	267	22	0	238	3	101
Mecosta	1,954	2	233	1,719	0	265	711	977	40	12	941	2	294
Montcalm	2,141	5	346	1,790	0	136	743	1,257	81	14	975	6	464
Osceola	1,115	2	119	994	0	369	150	592	22	4	634	2	160
Total	9,654	22	1,279	8,353	0	1,954	2,252	5,429	271	66	4,326	27	1,736

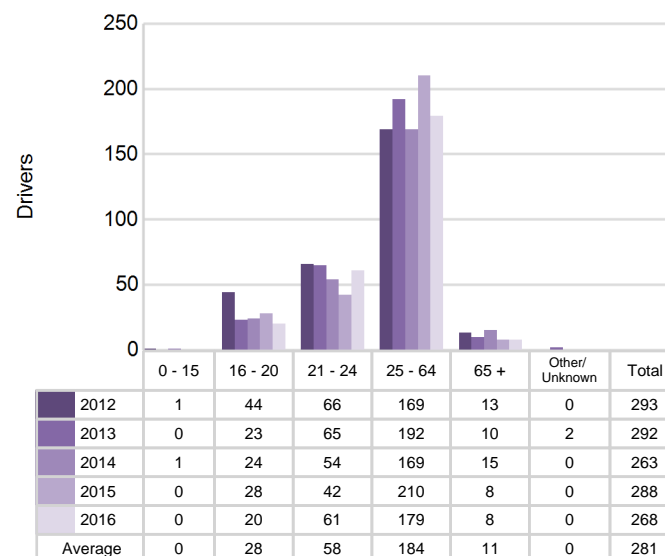
5-Year Trend - Drivers in Crashes Coded Drinking by Driver Age

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	25	1	19	0	23	1	24	0	20	0
16 - 20	1,602	44	1,629	23	1,589	24	1,446	28	1,658	20
21 - 24	1,490	66	1,519	65	1,595	54	1,380	42	1,568	61
25 - 64	7,296	169	7,568	192	7,442	169	7,114	210	7,743	179
65 +	1,196	13	1,216	10	1,365	15	1,319	8	1,411	8
Unknown	426	0	405	2	400	0	387	0	359	0
Total	12,035	293	12,356	292	12,414	263	11,670	288	12,759	268

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



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



Traffic Safety Network Chippewa Valley (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	0	0	0	0	0	0	0	0	0
16 - 20	28	30	18	20	0	4	8	2	6
21 - 24	69	59	45	61	0	11	15	14	21
25 - 64	205	190	135	179	6	16	43	38	76
65 +	12	12	8	8	1	0	2	5	0
Unknown	9	0	0	0	0	0	0	0	0
Total	323	291	206	268	7	31	68	59	103

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 323 drivers in alcohol-involved crashes; 268 (83.0%) of those drivers were coded as had-been-drinking by the officer on the crash form.

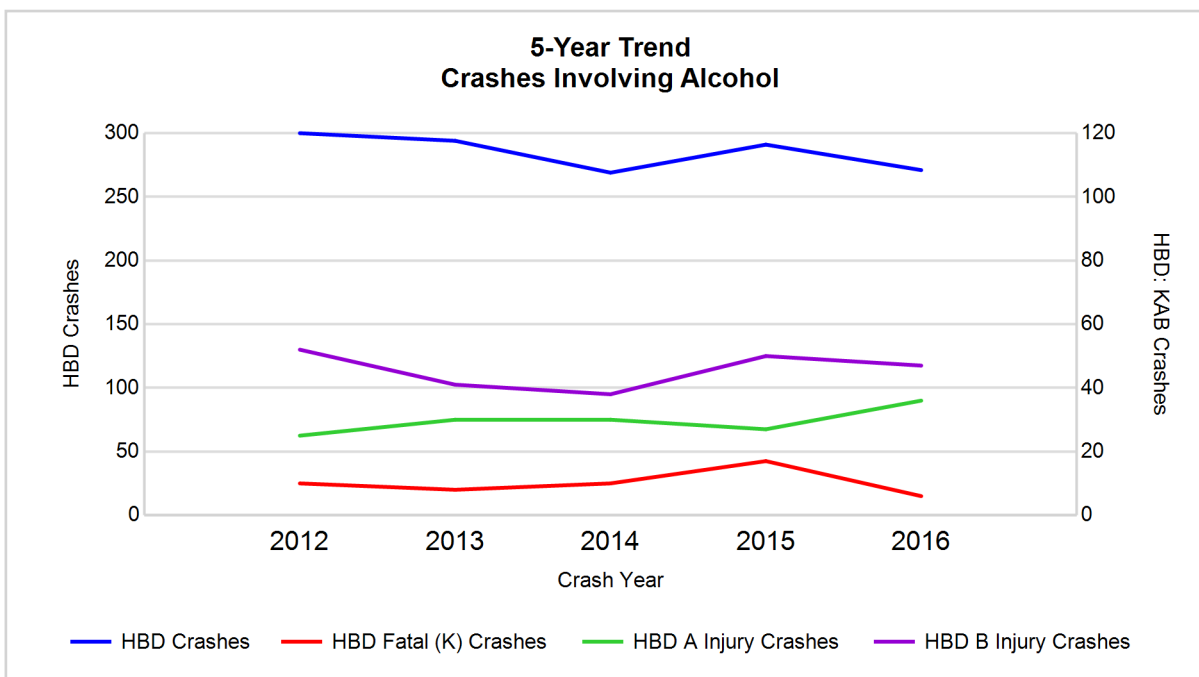
- 127 (47.4%) of the 268 drivers had a blood alcohol concentration (BAC) of 0.08 g/dL (grams per deciliter) or greater, and 59 (46.5%) of the 127 drivers had a BAC at or above 0.17 g/dL.
- 206 (76.9%) of the 268 drivers were coded as had-been-drinking and were tested for alcohol consumption.

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	9,190	300	3.3	38	10	26.3	175	25	14.3	379	52	13.7
2013	9,496	294	3.1	27	8	29.6	167	30	18.0	370	41	11.1
2014	9,258	269	2.9	33	10	30.3	179	30	16.8	365	38	10.4
2015	8,718	291	3.3	34	17	50.0	161	27	16.8	383	50	13.1
2016	9,654**	271	2.8*	22*	6*	27.3	178	36**	20.2**	438**	47	10.7

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



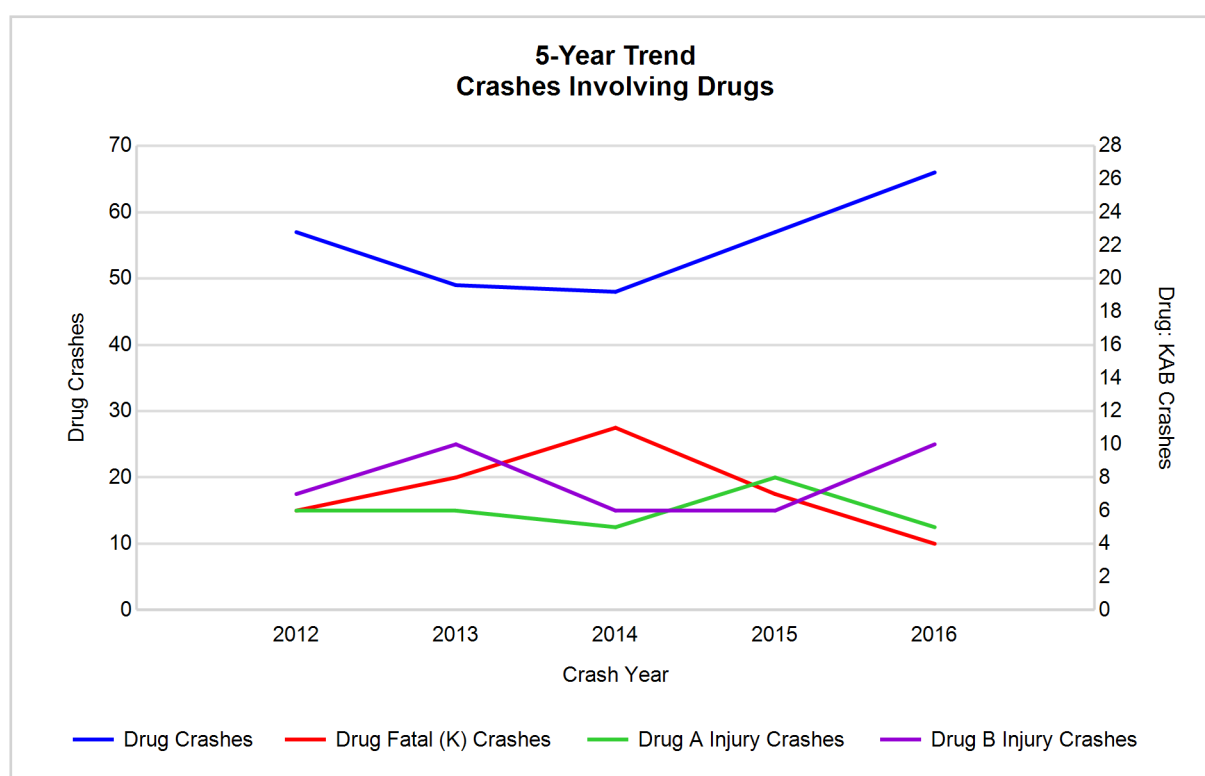
Note: Had-Been-Drinking (HBD)

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	9,190	57	0.6	38	6	15.8	175	6	3.4	379	7	1.8
2013	9,496	49	0.5	27	8	29.6	167	6	3.6	370	10	2.7
2014	9,258	48	0.5	33	11	33.3	179	5	2.8	365	6	1.6
2015	8,718	57	0.7	34	7	20.6	161	8	5.0	383	6	1.6
2016	9,654**	66**	0.7	22*	4*	18.2	178	5	2.8	438**	10	2.3

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



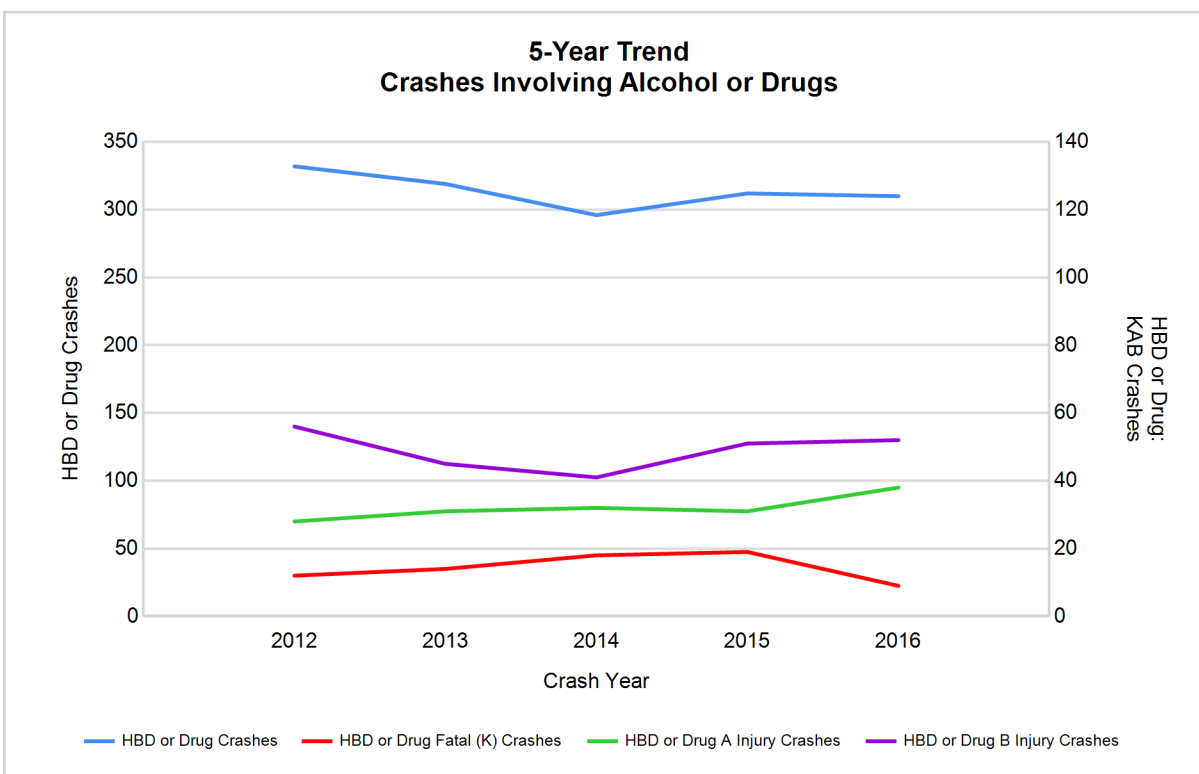
Traffic Safety Network Chippewa Valley (continued)

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	9,190	332	3.6	38	12	31.6	175	28	16.0	379	56	14.8
2013	9,496	319	3.4	27	14	51.9	167	31	18.6	370	45	12.2
2014	9,258	296	3.2	33	18	54.5	179	32	17.9	365	41	11.2
2015	8,718	312	3.6	34	19	55.9	161	31	19.3	383	51	13.3
2016	9,654**	310	3.2	22*	9*	40.9	178	38**	21.3**	438**	52	11.9

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)

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	10,012	9,470	94.6	15	10	66.7	119	85	71.4	366	318	86.9	729	687	94.2	8,593	8,367	97.4
Motor home	179	165	92.2	0	0	0.0	7	2	28.6	5	3	60.0	9	9	100.0	155	151	97.4
Pickup truck	2,393	2,249	94.0	5	3	60.0	31	19	61.3	91	78	85.7	140	130	92.9	2,079	2,019	97.1
Small truck under 10,000 lbs. GVWR	128	120	93.8	0	0	0.0	0	0	0.0	5	4	80.0	4	4	100.0	115	112	97.4
Motorcycle	114	69	60.5	4	1	25.0	23	11	47.8	40	22	55.0	24	20	83.3	23	15	65.2
Moped / goped	6	1	16.7	0	0	0.0	1	1	100.0	3	0	0.0	1	0	0.0	1	0	0.0
Go-cart / golf cart	4	2	50.0	0	0	0.0	0	0	0.0	2	1	50.0	1	0	0.0	1	1	100.0
Snowmobile	8	7	87.5	0	0	0.0	2	2	100.0	1	0	0.0	1	1	100.0	4	4	100.0
Off-Road Vehicle - ORV / All-Terrain Vehicle - ATV	44	23	52.3	1	0	0.0	16	7	43.8	15	9	60.0	5	5	100.0	6	1	16.7
Other	60	38	63.3	0	0	0.0	2	0	0.0	1	1	100.0	3	1	33.3	51	36	70.6
Truck/bus over 10,000 lbs.	199	182	91.5	0	0	0.0	0	0	0.0	4	3	75.0	7	6	85.7	180	173	96.1
Unknown	77	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	10	0	0.0
Total	13,224	12,326	93.2	25	14	56.0	201	127	63.2	533	439	82.4	924	863	93.4	11,218	10,879	97.0

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	109	99	90.8	0	0	0.0	9	6	66.7	28	24	85.7	61	59	96.7	11	10	90.9
16 - 20	1,757	1,681	95.7	2	0	0.0	25	17	68.0	86	72	83.7	170	151	88.8	1,473	1,441	97.8
21 - 24	1,612	1,521	94.4	3	2	66.7	27	17	63.0	64	46	71.9	115	106	92.2	1,400	1,350	96.4
25 - 64	7,925	7,605	96.0	12	6	50.0	116	70	60.3	299	243	81.3	478	450	94.1	7,009	6,834	97.5
65 +	1,462	1,419	97.1	8	6	75.0	24	17	70.8	56	54	96.4	100	97	97.0	1,272	1,244	97.8
Unknown	359	1	0.3	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	53	0	0.0
Total	13,224	12,326	93.2	25	14	56.0	201	127	63.2	533	439	82.4	924	863	93.4	11,218	10,879	97.0

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.

Traffic Safety Network Chippewa Valley (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	91	0	16	76	0	8	38	0	2	40	0	5	28	0	5
Shoulder belt only used	8	0	2	11	0	1	10	0	2	19	0	1	42	0	4
Lap belt only used	25	0	4	38	0	10	34	0	5	48	1	7	53	0	3
Both lap & shoulder belts used	10,936	11	833	11,349	7	924	11,460	11	950	10,700	13	870	11,756	9	974
No belts used	134	11	59	97	3	45	108	8	50	104	4	48	101	6	51
Child restraint used	3	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	1	0	0	0	0	0	0	0	0
Restraint failure	4	0	2	3	0	0	2	0	0	2	0	0	2	0	1
Restraint use unknown	277	1	37	301	3	24	257	3	26	290	1	28	544	0	44
Helmet worn	112	1	85	99	2	67	104	0	81	83	1	59	92	1	70
Helmet not worn	47	6	34	38	3	28	46	2	35	41	2	30	65	4	42
Helmet use unknown	8	0	6	1	0	1	9	0	6	5	0	3	6	0	4
Uncoded & errors	390	0	0	343	0	0	345	0	0	338	0	1	70	0	0
Total	12,035	30	1,078	12,356	18	1,108	12,414	24	1,157	11,670	22	1,052	12,759	20	1,198

5-Year Trend - Restraint Use Among Drivers Coded Drinking

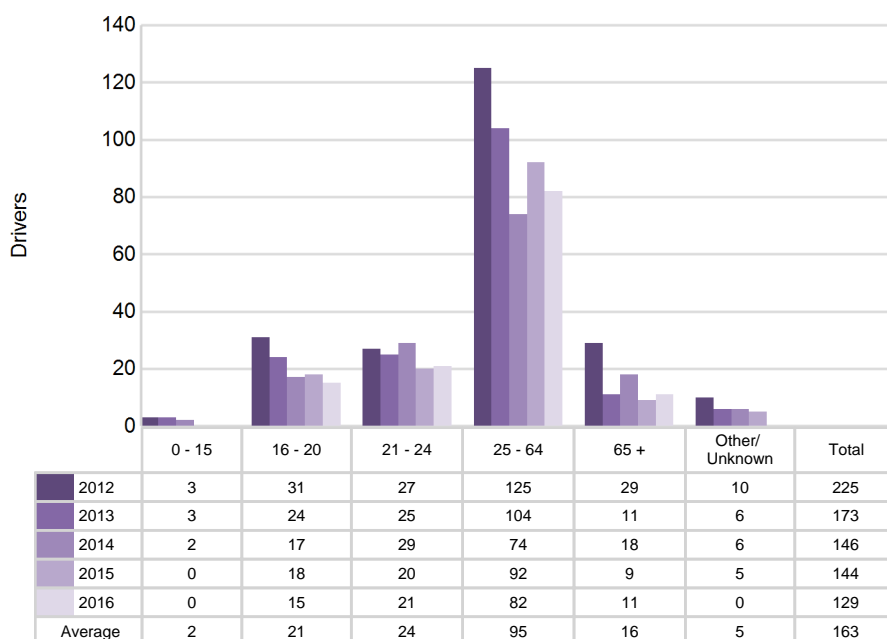
Restraint Use	2012			2013			2014			2015			2016		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
No belts available	3	0	0	3	0	2	2	0	0	2	0	1	2	0	2
Shoulder belt only used	0	0	0	0	0	0	1	0	0	1	0	0	3	0	0
Lap belt only used	1	0	1	0	0	0	0	0	0	1	1	0	1	0	0
Both lap & shoulder belts used	185	1	46	202	3	60	187	3	45	213	6	67	169	1	44
No belts used	32	1	22	25	1	15	22	2	13	24	4	15	30	2	23
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	1	0	0	0	0	0	0	0	0	0	0	0
Restraint use unknown	55	0	17	50	0	14	37	1	11	36	0	6	42	0	13
Helmet worn	3	0	3	4	0	4	3	0	3	3	0	3	6	0	6
Helmet not worn	9	3	4	6	2	4	11	1	9	7	0	5	15	3	11
Helmet use unknown	1	0	1	0	0	0	0	0	0	1	0	1	0	0	0
Uncoded & errors	4	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Total	293	5	94	292	6	99	263	7	81	288	11	98	268	6	99

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	3	0	0	3	0	0	2	0	0	0	0	0	0	0	0
16 - 20	31	0	16	24	0	7	17	1	8	18	0	6	15	1	6
21 - 24	27	1	8	25	0	11	29	0	18	20	1	6	21	1	10
25 - 64	125	6	44	104	2	33	74	5	24	92	3	37	82	3	36
65 +	29	4	7	11	1	2	18	2	2	9	0	4	11	1	4
Unknown	10	0	0	6	0	0	6	0	0	5	0	0	0	0	0
Total	225	11	75	173	3	53	146	8	52	144	4	53	129	6	56

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

5-Year Trend Driver Seatbelt Not Used



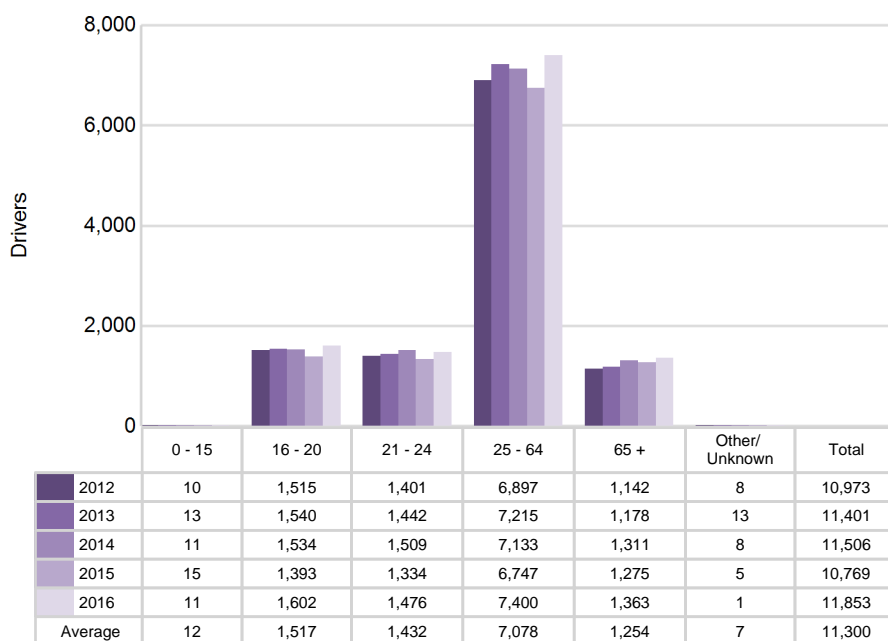
Traffic Safety Network Chippewa Valley (continued)

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	10	0	3	13	0	5	11	0	1	15	0	1	11	0	2
16 - 20	1,515	0	137	1,540	1	139	1,534	0	159	1,393	1	154	1,602	0	161
21 - 24	1,401	1	118	1,442	0	135	1,509	1	120	1,334	2	104	1,476	1	129
25 - 64	6,897	6	485	7,215	3	550	7,133	7	537	6,747	8	509	7,400	4	575
65 +	1,142	4	98	1,178	3	106	1,311	3	139	1,275	3	110	1,363	4	115
Unknown	8	0	0	13	0	0	8	0	1	5	0	0	1	0	0
Total	10,973	11	841	11,401	7	935	11,506	11	957	10,769	14	878	11,853	9	982

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

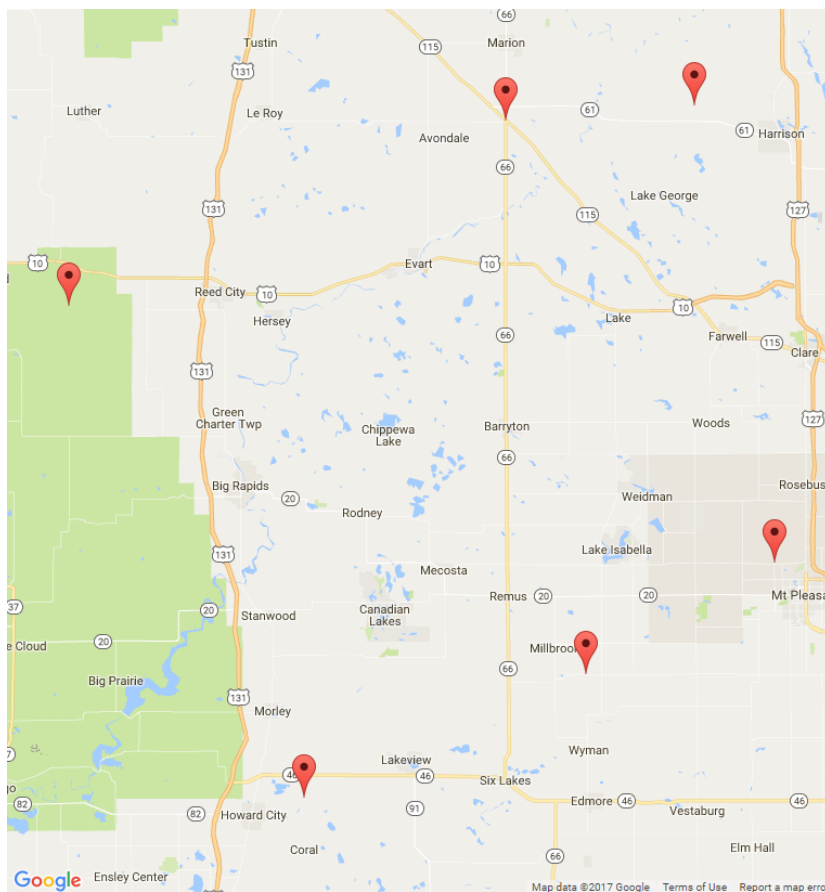
5-Year Trend Driver Seatbelt Used



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	7,581	19	7,582	15	7,525	25	7,372	20	7,967	17
Speed too fast	1,335	10	1,626	5	1,617	7	1,045	8	1,376	3
Speed too slow	26	0	17	0	11	0	16	0	5	0
Failed to yield	807	1	861	3	904	3	900	5	936	2
Disregard traffic control	151	3	121	1	120	5	124	1	143	4
Drove wrong way	7	0	7	0	8	1	7	0	5	1
Drove left of center	51	4	52	1	62	7	68	2	57	0
Improper passing	42	1	48	1	61	0	50	0	58	1
Improper lane use	133	0	119	0	119	0	151	0	134	0
Improper turn	104	0	69	0	111	0	98	0	94	0
Improper/no signal	18	0	23	0	16	0	16	0	11	0
Improper backing	152	0	153	0	151	0	153	0	142	0
Unable to stop in assured clear distance	800	4	837	0	896	0	856	4	924	1
Other	224	3	267	2	297	0	263	2	307	2
Unknown	118	7	118	5	128	3	120	3	199	3
Reckless driving	53	1	52	0	46	1	72	1	54	1
Careless/negligent driving	367	2	375	5	326	2	354	4	341	1
Uncoded & errors	66	0	29	0	16	0	5	0	6	0
Total	12,035	55	12,356	38	12,414	54	11,670	50	12,759	36

Traffic Safety Network Chippewa Valley (continued)



The picture above represents all 2016 alcohol-involved fatal crashes in TSN Chippewa Valley.

In 2016, there were 271 alcohol-involved crashes in TSN Chippewa Valley:

6	K - Fatal Crashes
36	A - Suspected Serious Injury Crashes
47	B - Suspected Minor Injury Crashes
37	C - Possible Injury Crashes
145	O - Property Damage Only/No Injury Crashes

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