



2017

**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

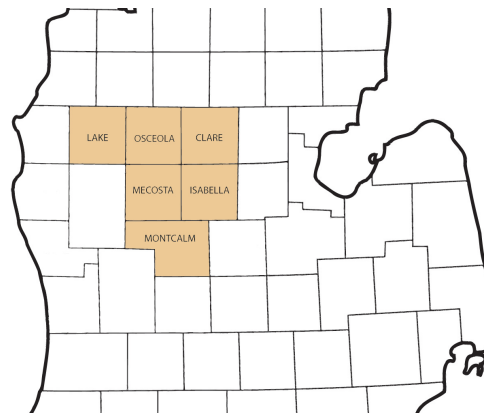
Property Damage Only (PDO)



## Traffic Safety Network Chippewa Valley

### 2017 Traffic Crash Data & 2013-2017 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 2017:

There were 12,829 drivers involved in 9,763 motor vehicle crashes in Traffic Safety Network Chippewa Valley. Of those crashes, 41 were classified as fatal, resulting in 49 fatalities. An additional 1,755 persons were injured.

Traffic Safety Network Chippewa Valley experienced the highest number of motor vehicle crashes (1,234) in December, the highest number of fatal crashes (7) and the highest number of persons killed (10) in October.

Michigan driver statistics indicate 6.5 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.

## 2017 - Crashes and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only (PDO)	Fatalities	Injuries
January	859	3	113	743	4	146
February	655	1	73	581	1	102
March	718	5	113	600	6	176
April	552	2	73	477	2	121
May	688	4	101	583	5	133
June	756	4	109	643	4	162
July	618	4	100	514	4	125
August	561	3	92	466	3	138
September	756	3	114	639	4	151
October	1,185	7	110	1,068	10	159
November	1,181	2	102	1,077	2	140
December	1,234	3	145	1,086	4	202
<b>Total</b>	<b>9,763</b>	<b>41</b>	<b>1,245</b>	<b>8,477</b>	<b>49</b>	<b>1,755</b>

## 2017 - Driver Statistics

Age Group	Chippewa Valley			Driver Rates	
	2017 Population	Licensed Drivers	Drivers in Crashes	Per 10k Population	Per 10k Licensed
0 - 15	42,057	1,050	25	5.9	238.1
16 - 20	23,421	10,167	1,669	712.6	1,641.6
21 - 24	20,006	10,465	1,462	730.8	1,397.0
25 - 64	115,898	101,523	7,781	671.4	766.4
65 +	42,548	38,592	1,514	355.8	392.3
Unknown	0	0	378	--	--
<b>Total</b>	<b>243,930</b>	<b>161,797</b>	<b>12,829</b>	<b>525.9</b>	<b>792.9</b>

## 2017 - 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	9,726	75.8	46	69.7	1,416	8,264
Motor home	90	0.7	0	0.0	13	77
Pickup truck	2,365	18.4	12	18.2	363	1,990
Small truck under 10,000 lbs. GVWR	119	0.9	1	1.5	21	97
Motorcycle	78	0.6	3	4.5	63	12
Moped / goped	6	0.0	0	0.0	6	0
Go-cart / golf cart	1	0.0	0	0.0	0	1
Snowmobile	5	0.0	0	0.0	3	2
Off-Road Vehicle - ORV / All-Terrain Vehicle - ATV	37	0.3	2	3.0	22	13
Other	49	0.4	0	0.0	6	43
Truck/bus over 10,000 lbs.	248	1.9	2	3.0	60	186
Unknown	105	0.8	0	0.0	6	99
<b>Total</b>	<b>12,829</b>	<b>100.0</b>	<b>66</b>	<b>100.0</b>	<b>1,979</b>	<b>10,784</b>

# Traffic Safety Network Chippewa Valley (continued)

## 5-Year Trend - Crashes by Month

Month	2013		2014		2015		2016		2017	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
January	908	5	1,046	0	850	1	958	1	859	3
February	906	1	769	4	702	1	765	0	655	1
March	781	0	685	5	548	1	656	1	718	5
April	598	0	547	0	563	2	592	0	552	2
May	618	3	599	5	639	2	707	4	688	4
June	662	0	654	1	659	3	677	3	756	4
July	561	5	543	4	633	8	578	4	618	4
August	563	1	524	2	518	5	561	2	561	3
September	680	2	600	1	664	4	728	2	756	3
October	1,007	6	1,027	2	1,058	2	1,112	2	1,185	7
November	1,278	1	1,499	6	1,180	4	1,270	1	1,181	2
December	934	3	765	3	704	1	1,050	2	1,234	3
<b>Total</b>	<b>9,496</b>	<b>27</b>	<b>9,258</b>	<b>33</b>	<b>8,718</b>	<b>34</b>	<b>9,654</b>	<b>22</b>	<b>9,763</b>	<b>41</b>

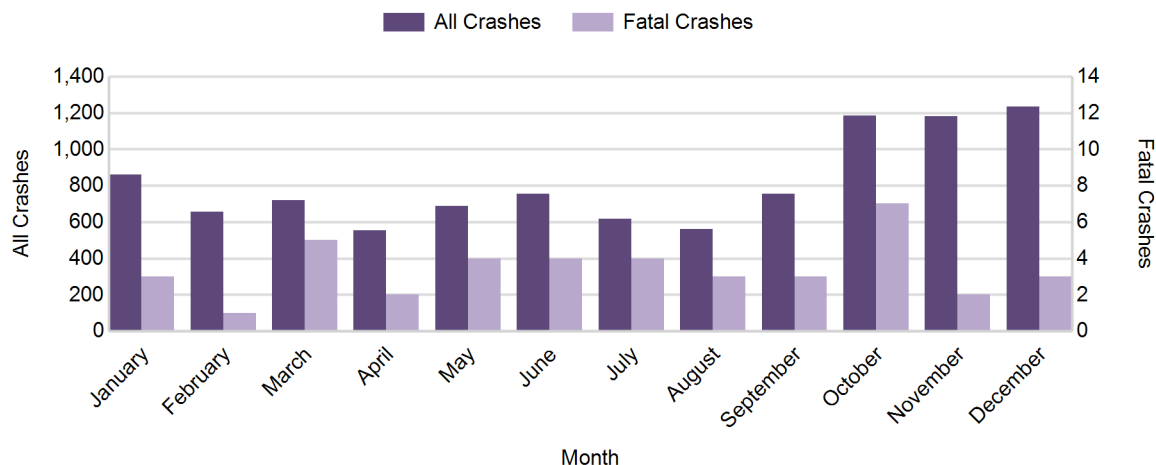
Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred in the same month

## 5-Year Trend - Crashes by Day of Week

Day	2013		2014		2015		2016		2017	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Monday	1,385	4	1,206	4	1,211	5	1,314	6	1,397	4
Tuesday	1,384	4	1,265	4	1,291	2	1,412	0	1,420	4
Wednesday	1,287	3	1,377	3	1,259	3	1,596	2	1,444	11
Thursday	1,515	4	1,347	3	1,236	3	1,425	4	1,382	4
Friday	1,467	3	1,652	6	1,338	9	1,505	4	1,641	4
Saturday	1,328	5	1,234	5	1,310	8	1,282	4	1,346	7
Sunday	1,130	4	1,177	8	1,073	4	1,120	2	1,133	7
<b>Total</b>	<b>9,496</b>	<b>27</b>	<b>9,258</b>	<b>33</b>	<b>8,718</b>	<b>34</b>	<b>9,654</b>	<b>22</b>	<b>9,763</b>	<b>41</b>

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

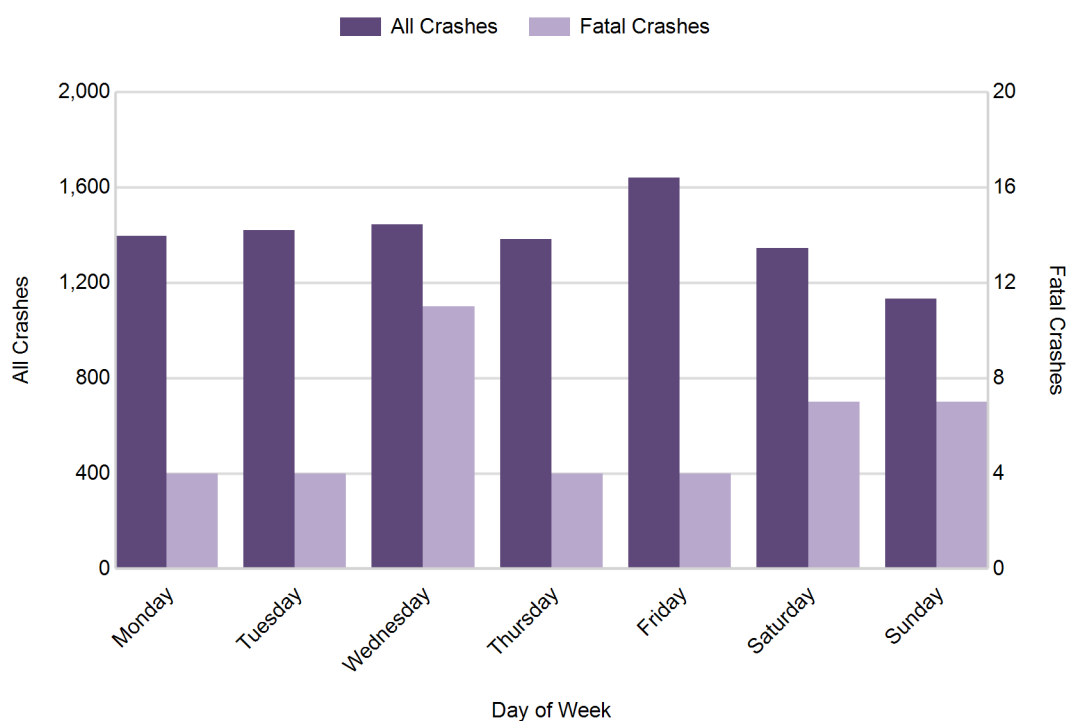
## 2017 Crashes by Month



2017 - 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	1,397	14.3	4	9.8	29	49	100	1,215
Tuesday	1,420	14.5	4	9.8	29	53	96	1,238
Wednesday	1,444	14.8	11	26.8	24	50	97	1,262
Thursday	1,382	14.2	4	9.8	24	63	99	1,192
Friday	1,641	16.8	4	9.8	32	65	98	1,442
Saturday	1,346	13.8	7	17.1	27	60	89	1,163
Sunday	1,133	11.6	7	17.1	30	63	68	965
<b>Total</b>	<b>9,763</b>	<b>100.0</b>	<b>41</b>	<b>100.0</b>	<b>195</b>	<b>403</b>	<b>647</b>	<b>8,477</b>

2017 Day of Week and Severity

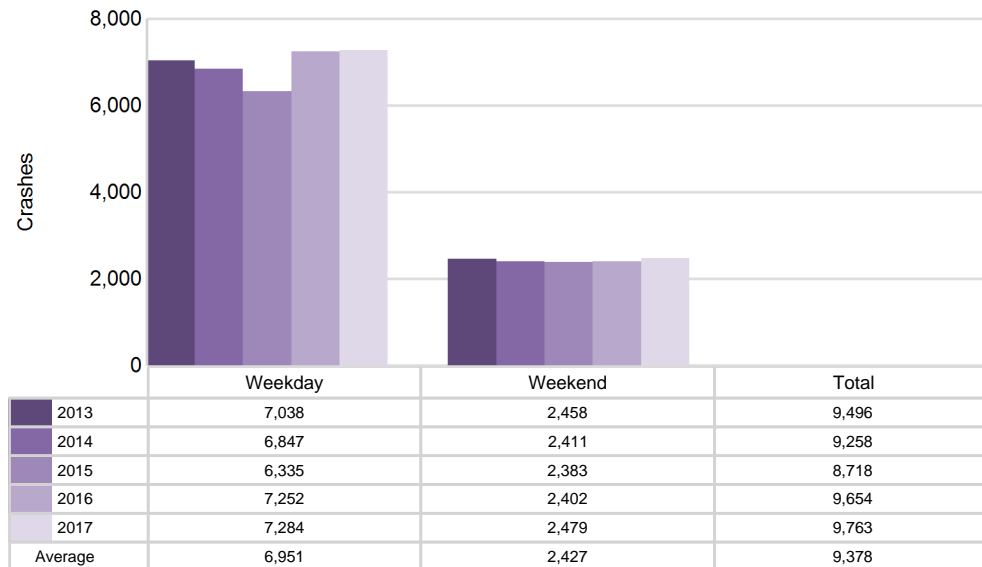


## Traffic Safety Network Chippewa Valley (continued)

### 5-Year Trend - Crashes by Weekday and Weekend

Portion of Week	2013		2014		2015		2016		2017	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Weekday	7,038	18	6,847	20	6,335	22	7,252	16	7,284	27
Weekend	2,458	9	2,411	13	2,383	12	2,402	6	2,479	14
<b>Total</b>	<b>9,496</b>	<b>27</b>	<b>9,258</b>	<b>33</b>	<b>8,718</b>	<b>34</b>	<b>9,654</b>	<b>22</b>	<b>9,763</b>	<b>41</b>

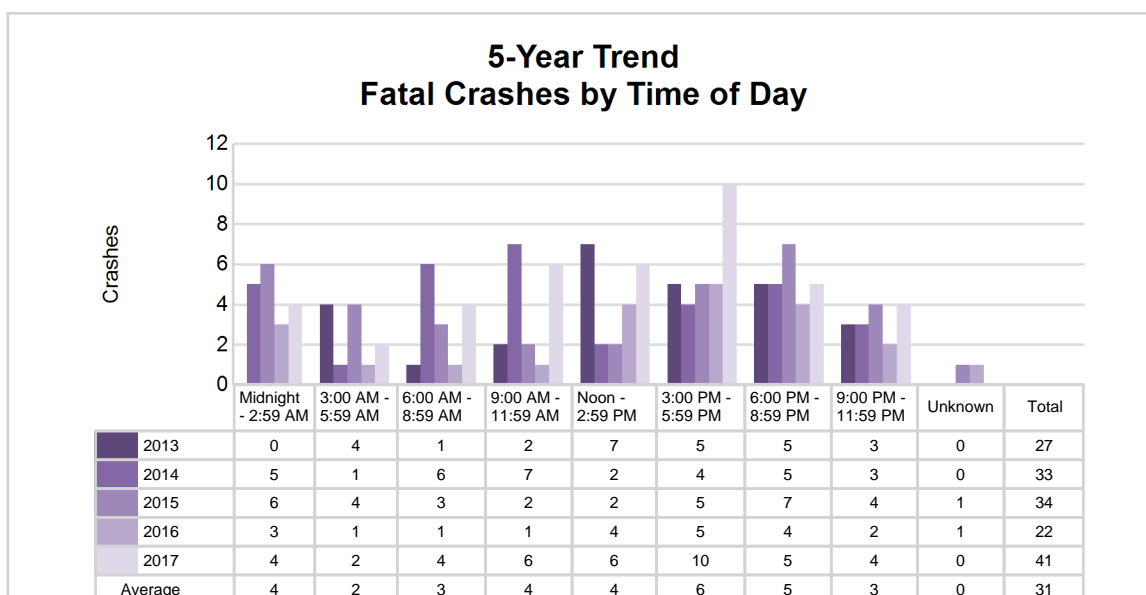
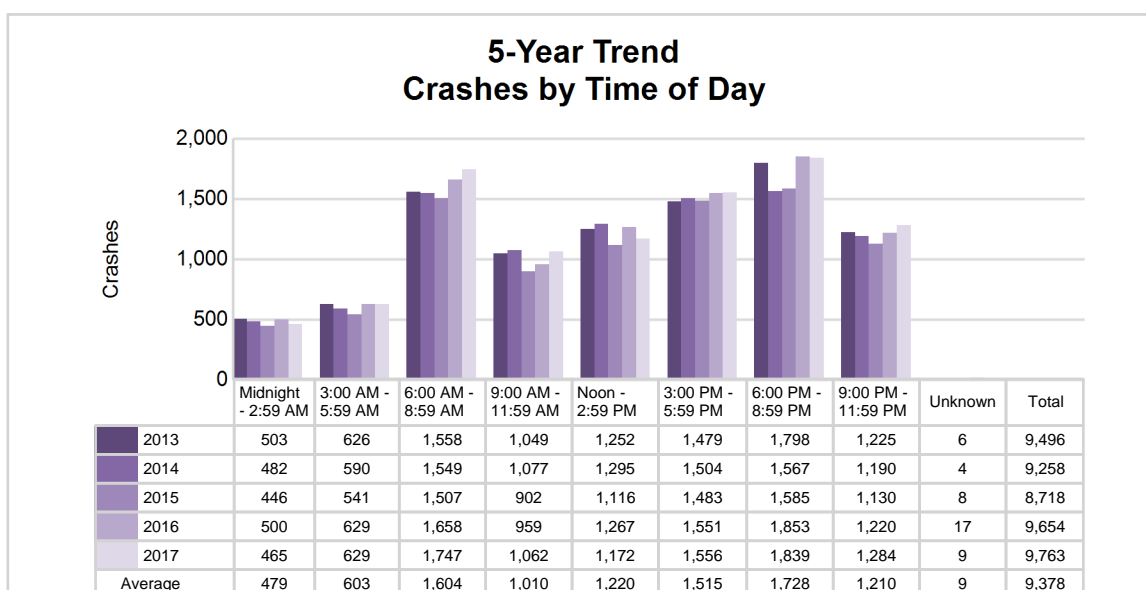
### 5-Year Crash Trends by Weekday (Monday - Friday) and Weekend (Saturday & Sunday)



## 5-Year Trend - Crashes by Time of Day

Time of Day	2013		2014		2015		2016		2017	
	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	0	482	5	446	6	500	3	465	4
3:00 AM - 5:59 AM	626	4	590	1	541	4	629	1	629	2
6:00 AM - 8:59 AM	1,558	1	1,549	6	1,507	3	1,658	1	1,747	4
9:00 AM - 11:59 AM	1,049	2	1,077	7	902	2	959	1	1,062	6
Noon - 2:59 PM	1,252	7	1,295	2	1,116	2	1,267	4	1,172	6
3:00 PM - 5:59 PM	1,479	5	1,504	4	1,483	5	1,551	5	1,556	10
6:00 PM - 8:59 PM	1,798 †	5	1,567 †	5	1,585 †	7	1,853 †	4	1,839 †	5
9:00 PM - 11:59 PM	1,225	3	1,190	3	1,130	4	1,220	2	1,284	4
Unknown	6	0	4	0	8	1	17	1	9	0
<b>Total</b>	<b>9,496</b>	<b>27</b>	<b>9,258</b>	<b>33</b>	<b>8,718</b>	<b>34</b>	<b>9,654</b>	<b>22</b>	<b>9,763</b>	<b>41</b>

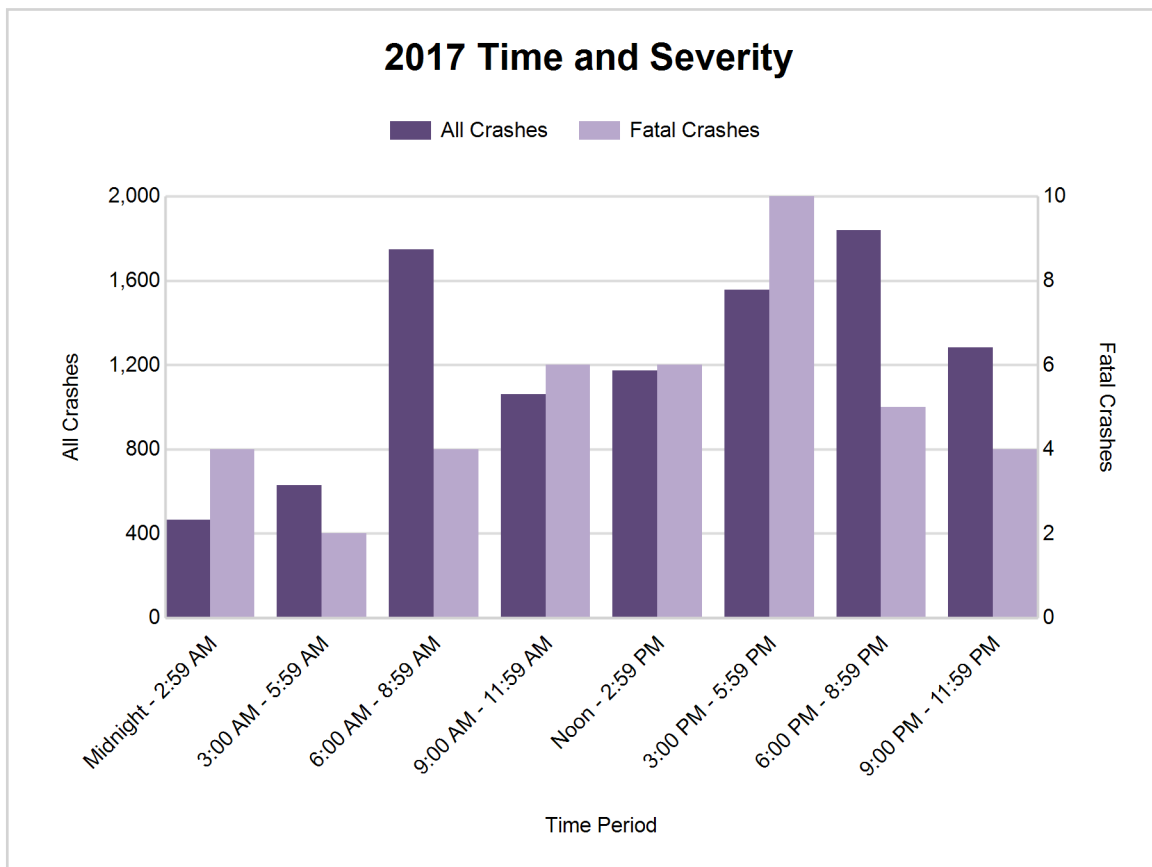
Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred in the same time period



# Traffic Safety Network Chippewa Valley (continued)

## 2017 - Time and Severity

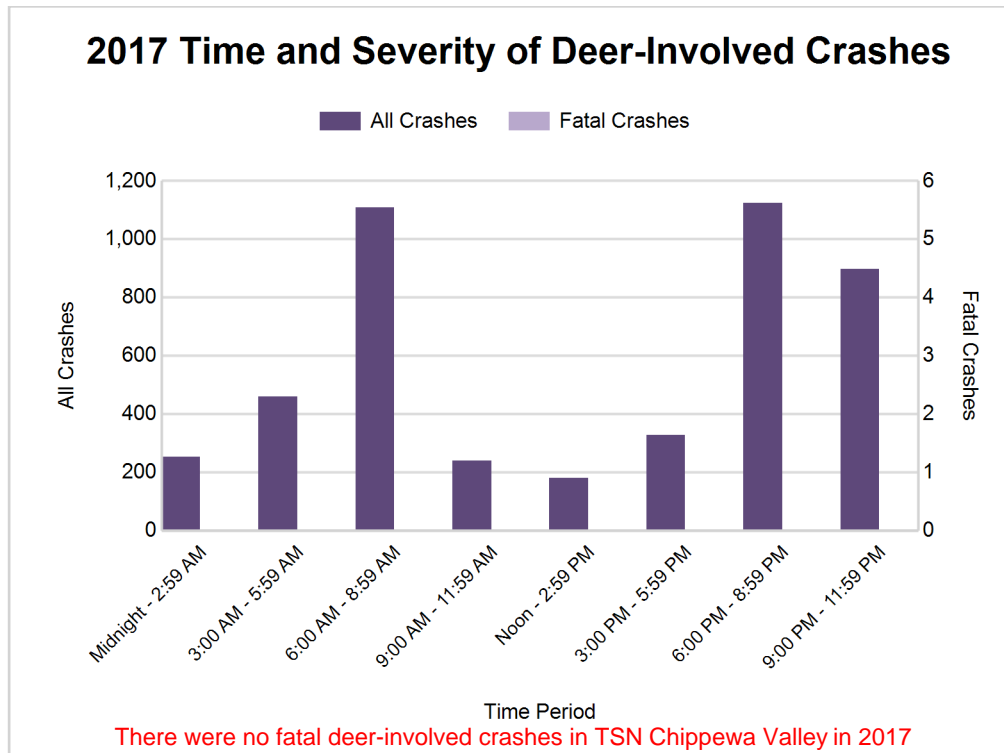
Time of Day	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	Number
Midnight - 2:59 AM	465	4.8	4	9.8	13	23	23	402
3:00 AM - 5:59 AM	629	6.4	2	4.9	8	14	21	584
6:00 AM - 8:59 AM	1,747	17.9	4	9.8	20	53	65	1,605
9:00 AM - 11:59 AM	1,062	10.9	6	14.6	28	48	100	880
Noon - 2:59 PM	1,172	12.0	6	14.6	28	67	125	946
3:00 PM - 5:59 PM	1,556	15.9	10	24.4	35	93	160	1,258
6:00 PM - 8:59 PM	1,839	18.8	5	12.2	36	61	100	1,637
9:00 PM - 11:59 PM	1,284	13.2	4	9.8	27	44	53	1,156
Unknown	9	0.1	0	0.0	0	0	0	9
<b>Total</b>	<b>9,763</b>	<b>100.0</b>	<b>41</b>	<b>100.0</b>	<b>195</b>	<b>403</b>	<b>647</b>	<b>8,477</b>







## Traffic Safety Network Chippewa Valley (continued)



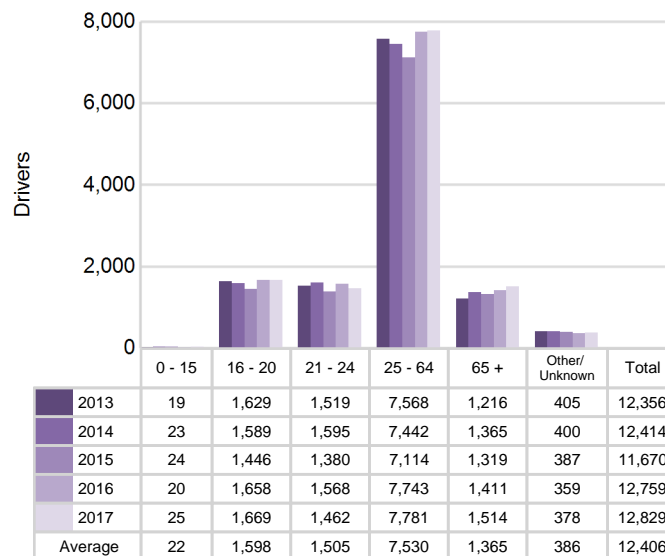
### 2017 - Reported Motor Vehicle Crashes by County

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	1,144	2	159	983	0	372	212	558	35	10	555	3	224
Isabella	2,812	11	379	2,422	0	626	402	1,771	87	22	1,057	12	542
Lake	477	1	68	408	0	97	83	292	22	0	276	1	84
Mecosta	1,942	4	182	1,756	0	286	712	944	61	9	902	4	246
Montcalm	2,222	19	340	1,863	0	142	792	1,286	80	24	1,075	23	495
Osceola	1,166	4	117	1,045	0	383	161	621	37	8	718	6	164
<b>Total</b>	<b>9,763</b>	<b>41</b>	<b>1,245</b>	<b>8,477</b>	<b>0</b>	<b>1,906</b>	<b>2,362</b>	<b>5,472</b>	<b>322</b>	<b>73</b>	<b>4,583</b>	<b>49</b>	<b>1,755</b>

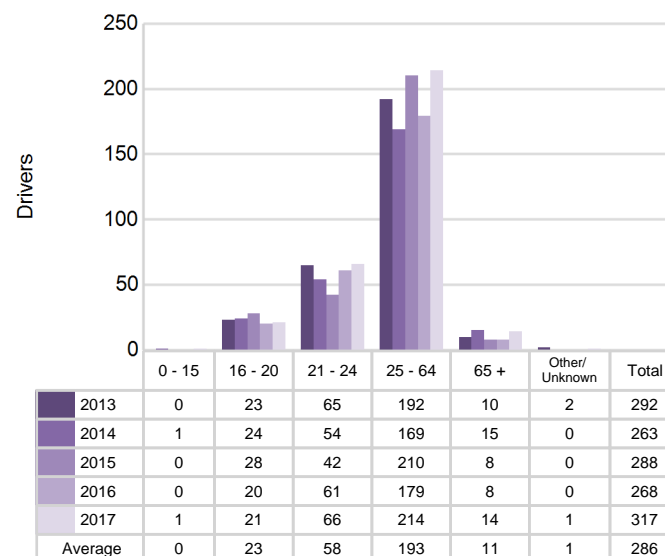
## 5-Year Trend - Drivers in Crashes Coded Drinking by Driver Age

Driver Age	2013		2014		2015		2016		2017	
	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	19	0	23	1	24	0	20	0	25	1
16 - 20	1,629	23	1,589	24	1,446	28	1,658	20	1,669	21
21 - 24	1,519	65	1,595	54	1,380	42	1,568	61	1,462	66
25 - 64	7,568	192	7,442	169	7,114	210	7,743	179	7,781	214
65 +	1,216	10	1,365	15	1,319	8	1,411	8	1,514	14
Unknown	405	2	400	0	387	0	359	0	378	1
<b>Total</b>	<b>12,356</b>	<b>292</b>	<b>12,414</b>	<b>263</b>	<b>11,670</b>	<b>288</b>	<b>12,759</b>	<b>268</b>	<b>12,829</b>	<b>317</b>

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



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



# Traffic Safety Network Chippewa Valley (continued)

## 2017 - 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	1	0	0	0
16 - 20	31	29	19	21	1	3	6	4	7
21 - 24	79	61	56	66	1	6	24	15	20
25 - 64	265	196	154	214	1	15	55	54	89
65 +	24	16	8	14	1	0	2	2	9
Unknown	17	0	0	1	0	0	0	0	1
<b>Total</b>	<b>417</b>	<b>303</b>	<b>238</b>	<b>317</b>	<b>4</b>	<b>25</b>	<b>87</b>	<b>75</b>	<b>126</b>

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 2017, there were 417 drivers in alcohol-involved crashes; 317 (76.0%) of those drivers were coded as had-been-drinking by the officer on the crash form.

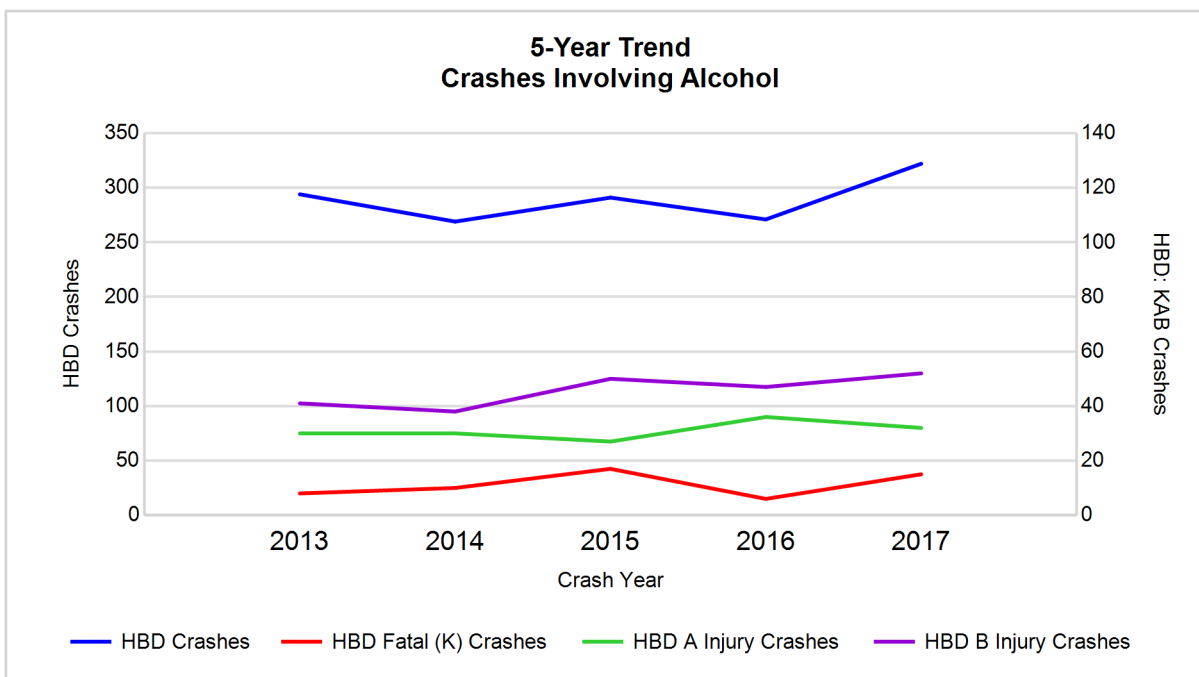
- 162 (51.1%) of the 317 drivers had a blood alcohol concentration (BAC) of 0.08 g/dL (grams per deciliter) or greater, and 75 (46.3%) of the 162 drivers had a BAC at or above 0.17 g/dL.
- 238 (75.1%) of the 317 drivers were coded as had-been-drinking and were tested for alcohol consumption.

## 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
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
2017	9,763**	322**	3.3	41**	15	36.6	195**	32	16.4*	403	52**	12.9

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



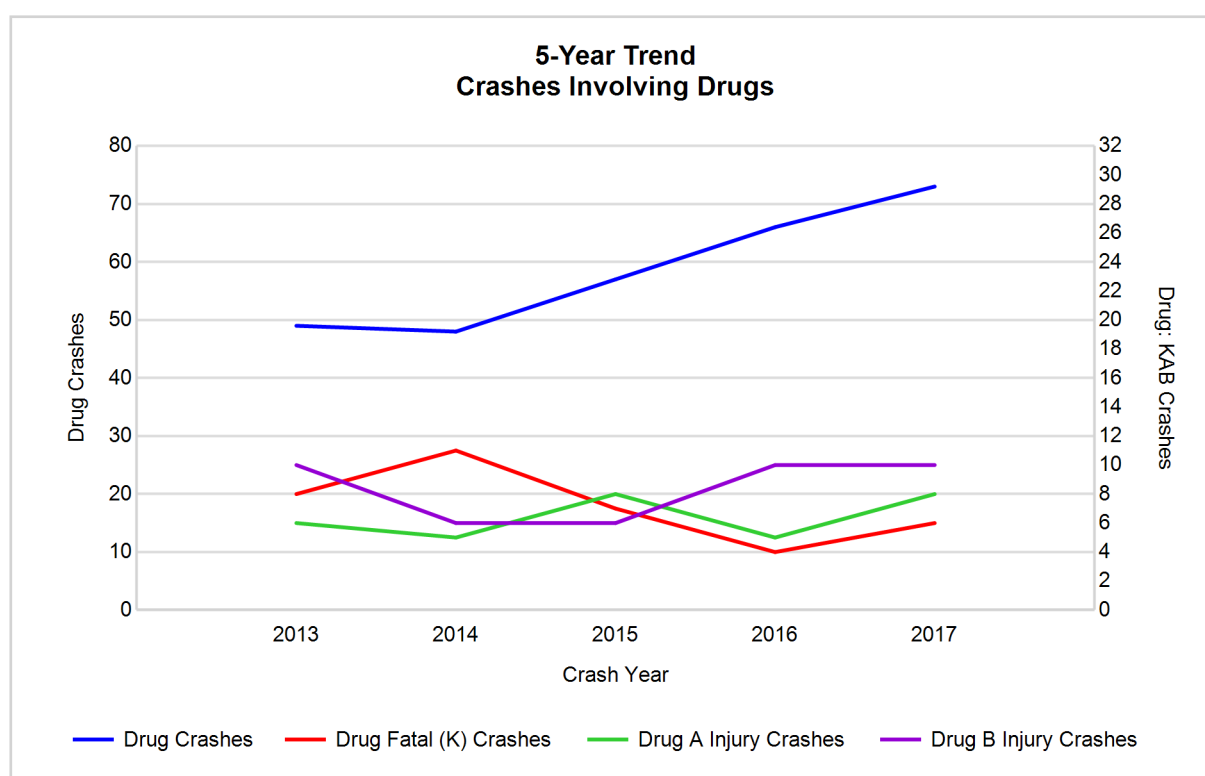
Note: Had-Been-Drinking (HBD)

## 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
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
2017	9,763**	73**	0.7	41**	6	14.6*	195**	8	4.1	403	10	2.5

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



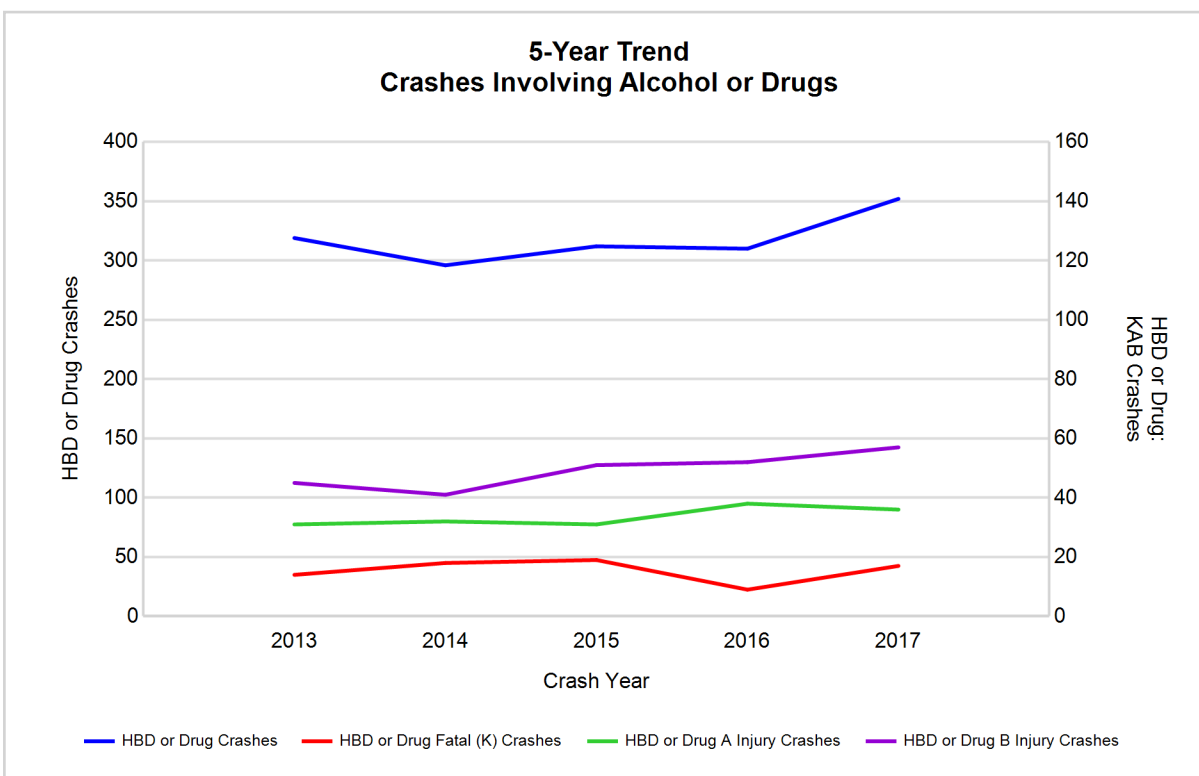
# Traffic Safety Network Chippewa Valley (continued)

## 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
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
2017	9,763**	352**	3.6	41**	17	41.5	195**	36	18.5	403	57**	14.1**

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

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



Note: Had-Been-Drinking (HBD)

# Traffic Safety Network Chippewa Valley (continued)

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## 2017 - 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	10,112	9,558	94.5	30	19	63.3	157	131	83.4	363	317	87.3	726	690	95.0	8,646	8,399	97.1
Motor home	93	90	96.8	0	0	0.0	0	0	0.0	6	5	83.3	5	5	100.0	82	80	97.6
Pickup truck	2,452	2,306	94.0	6	3	50.0	35	23	65.7	104	88	84.6	150	136	90.7	2,113	2,056	97.3
Small truck under 10,000 lbs. GVWR	128	114	89.1	0	0	0.0	2	2	100.0	12	10	83.3	8	7	87.5	101	95	94.1
Motorcycle	88	46	52.3	3	1	33.3	30	12	40.0	24	16	66.7	15	8	53.3	14	9	64.3
Moped / goped	6	3	50.0	0	0	0.0	1	0	0.0	2	0	0.0	3	3	100.0	0	0	0.0
Go-cart / golf cart	1	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Snowmobile	5	5	100.0	0	0	0.0	2	2	100.0	0	0	0.0	1	1	100.0	2	2	100.0
Off-Road Vehicle - ORV / All-Terrain Vehicle - ATV	44	19	43.2	2	0	0.0	8	2	25.0	10	2	20.0	6	4	66.7	18	11	61.1
Other	49	32	65.3	0	0	0.0	0	0	0.0	0	0	0.0	3	1	33.3	43	31	72.1
Truck/bus over 10,000 lbs.	259	239	92.3	0	0	0.0	3	2	66.7	5	3	60.0	18	10	55.6	228	224	98.2
Unknown	105	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	4	0	0.0
<b>Total</b>	<b>13,342</b>	<b>12,412</b>	<b>93.0</b>	<b>41</b>	<b>23</b>	<b>56.1</b>	<b>238</b>	<b>174</b>	<b>73.1</b>	<b>526</b>	<b>441</b>	<b>83.8</b>	<b>935</b>	<b>865</b>	<b>92.5</b>	<b>11,251</b>	<b>10,907</b>	<b>96.9</b>

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.

## 2017 - 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	138	113	81.9	1	0	0.0	12	9	75.0	30	23	76.7	78	68	87.2	17	13	76.5
16 - 20	1,777	1,699	95.6	4	3	75.0	29	21	72.4	97	83	85.6	166	152	91.6	1,481	1,440	97.2
21 - 24	1,498	1,436	95.9	4	3	75.0	20	15	75.0	61	50	82.0	100	92	92.0	1,312	1,276	97.3
25 - 64	7,976	7,635	95.7	24	9	37.5	147	103	70.1	279	232	83.2	473	439	92.8	7,044	6,850	97.2
65 +	1,575	1,528	97.0	8	8	100.0	30	26	86.7	59	53	89.8	118	114	96.6	1,360	1,327	97.6
Unknown	378	1	0.3	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	37	1	2.7
<b>Total</b>	<b>13,342</b>	<b>12,412</b>	<b>93.0</b>	<b>41</b>	<b>23</b>	<b>56.1</b>	<b>238</b>	<b>174</b>	<b>73.1</b>	<b>526</b>	<b>441</b>	<b>83.8</b>	<b>935</b>	<b>865</b>	<b>92.5</b>	<b>11,251</b>	<b>10,907</b>	<b>96.9</b>

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	2013			2014			2015			2016			2017		
	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	76	0	8	38	0	2	40	0	5	28	0	5	27	0	5
Shoulder belt only used	11	0	1	10	0	2	19	0	1	42	0	4	46	0	5
Lap belt only used	38	0	10	34	0	5	48	1	7	53	0	3	33	0	4
Both lap & shoulder belts used	11,349	7	924	11,460	11	950	10,700	13	870	11,756	9	974	11,852	18	1,012
No belts used	97	3	45	108	8	50	104	4	48	101	6	51	88	5	43
Child restraint used	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Child restraint not used, unavailable or improper use	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Restraint failure	3	0	0	2	0	0	2	0	0	2	0	1	2	0	0
Restraint use unknown	301	3	24	257	3	26	290	1	28	544	0	44	665	5	47
Helmet worn	99	2	67	104	0	81	83	1	59	92	1	70	59	1	44
Helmet not worn	38	3	28	46	2	35	41	2	30	65	4	42	40	4	30
Helmet use unknown	1	0	1	9	0	6	5	0	3	6	0	4	7	0	4
Uncoded & errors	343	0	0	345	0	0	338	0	1	70	0	0	9	0	0
<b>Total</b>	<b>12,356</b>	<b>18</b>	<b>1,108</b>	<b>12,414</b>	<b>24</b>	<b>1,157</b>	<b>11,670</b>	<b>22</b>	<b>1,052</b>	<b>12,759</b>	<b>20</b>	<b>1,198</b>	<b>12,829</b>	<b>33</b>	<b>1,194</b>

## 5-Year Trend - Restraint Use Among Drivers Coded Drinking

Restraint Use	2013			2014			2015			2016			2017		
	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	2	2	0	0	2	0	1	2	0	2	1	0	1
Shoulder belt only used	0	0	0	1	0	0	1	0	0	3	0	0	4	0	2
Lap belt only used	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0
Both lap & shoulder belts used	202	3	60	187	3	45	213	6	67	169	1	44	229	4	60
No belts used	25	1	15	22	2	13	24	4	15	30	2	23	21	2	12
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	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Restraint use unknown	50	0	14	37	1	11	36	0	6	42	0	13	50	3	12
Helmet worn	4	0	4	3	0	3	3	0	3	6	0	6	4	1	2
Helmet not worn	6	2	4	11	1	9	7	0	5	15	3	11	8	1	7
Helmet use unknown	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
Uncoded & errors	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>292</b>	<b>6</b>	<b>99</b>	<b>263</b>	<b>7</b>	<b>81</b>	<b>288</b>	<b>11</b>	<b>98</b>	<b>268</b>	<b>6</b>	<b>99</b>	<b>317</b>	<b>11</b>	<b>96</b>

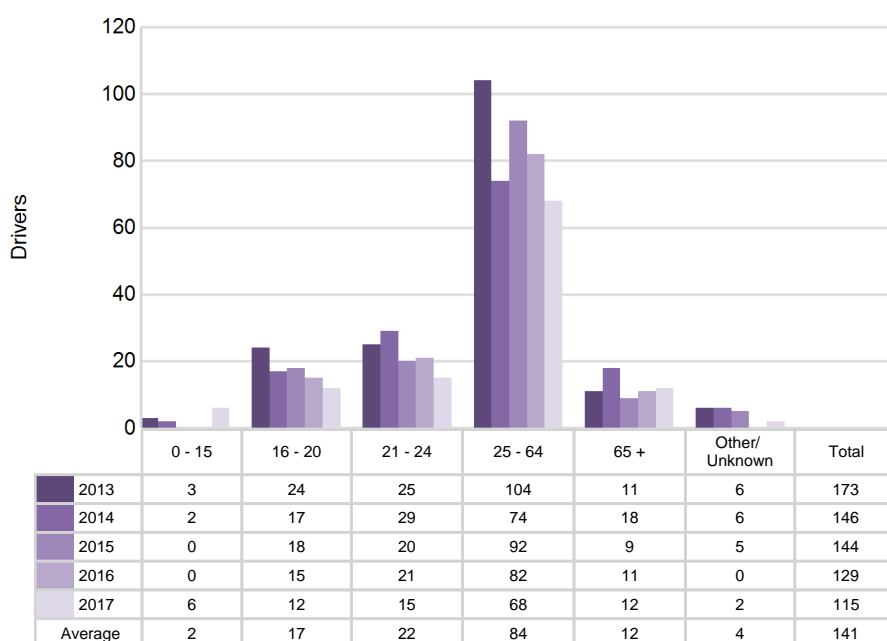


## 5-Year Trend - Seatbelt Not Used Among Drivers by Age

Age Group	2013			2014			2015			2016			2017		
	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	2	0	0	0	0	0	0	0	0	6	0	3
16 - 20	24	0	7	17	1	8	18	0	6	15	1	6	12	0	6
21 - 24	25	0	11	29	0	18	20	1	6	21	1	10	15	0	7
25 - 64	104	2	33	74	5	24	92	3	37	82	3	36	68	5	30
65 +	11	1	2	18	2	2	9	0	4	11	1	4	12	0	2
Unknown	6	0	0	6	0	0	5	0	0	0	0	0	2	0	0
<b>Total</b>	<b>173</b>	<b>3</b>	<b>53</b>	<b>146</b>	<b>8</b>	<b>52</b>	<b>144</b>	<b>4</b>	<b>53</b>	<b>129</b>	<b>6</b>	<b>56</b>	<b>115</b>	<b>5</b>	<b>48</b>

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

## 5-Year Trend Driver Seatbelt Not Used

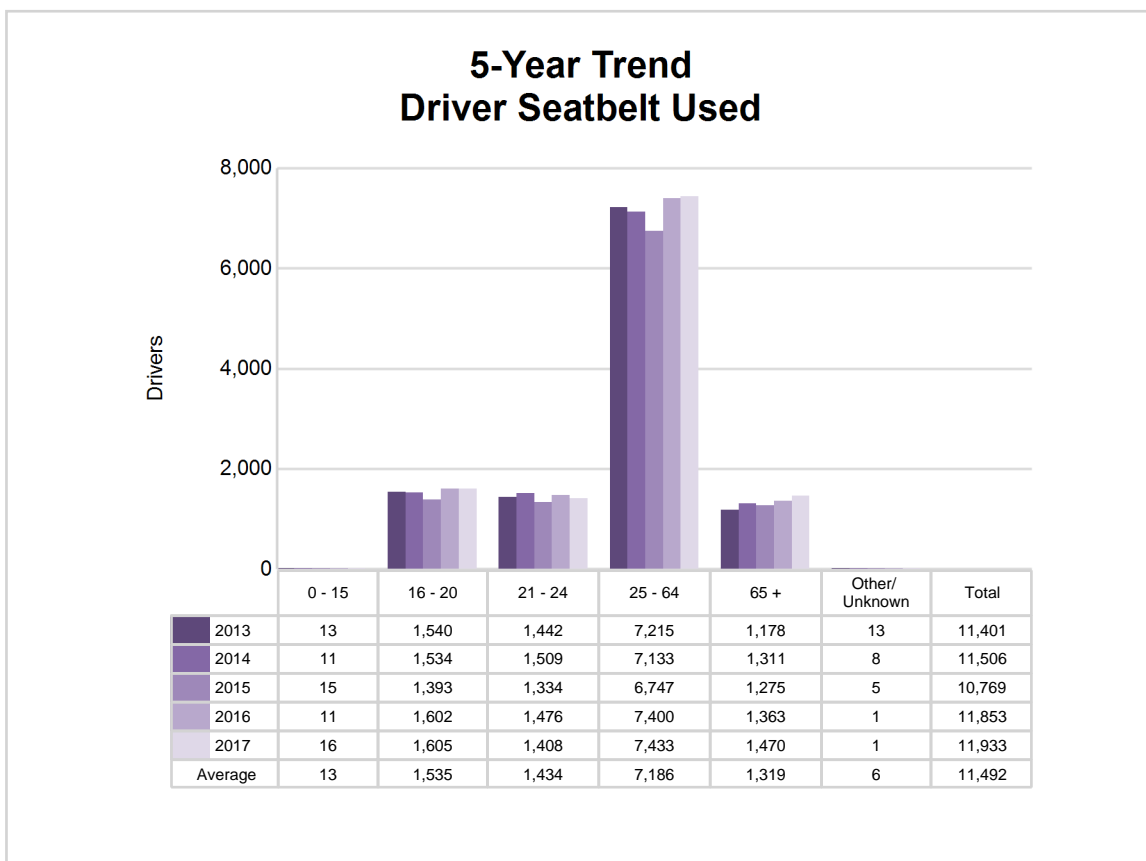


# Traffic Safety Network Chippewa Valley (continued)

## 5-Year Trend - Seatbelt Used Among Drivers by Age

Age Group	2013			2014			2015			2016			2017		
	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	13	0	5	11	0	1	15	0	1	11	0	2	16	0	3
16 - 20	1,540	1	139	1,534	0	159	1,393	1	154	1,602	0	161	1,605	3	164
21 - 24	1,442	0	135	1,509	1	120	1,334	2	104	1,476	1	129	1,408	2	130
25 - 64	7,215	3	550	7,133	7	537	6,747	8	509	7,400	4	575	7,433	7	584
65 +	1,178	3	106	1,311	3	139	1,275	3	110	1,363	4	115	1,470	6	140
Unknown	13	0	0	8	0	1	5	0	0	1	0	0	1	0	0
<b>Total</b>	<b>11,401</b>	<b>7</b>	<b>935</b>	<b>11,506</b>	<b>11</b>	<b>957</b>	<b>10,769</b>	<b>14</b>	<b>878</b>	<b>11,853</b>	<b>9</b>	<b>982</b>	<b>11,933</b>	<b>18</b>	<b>1,021</b>

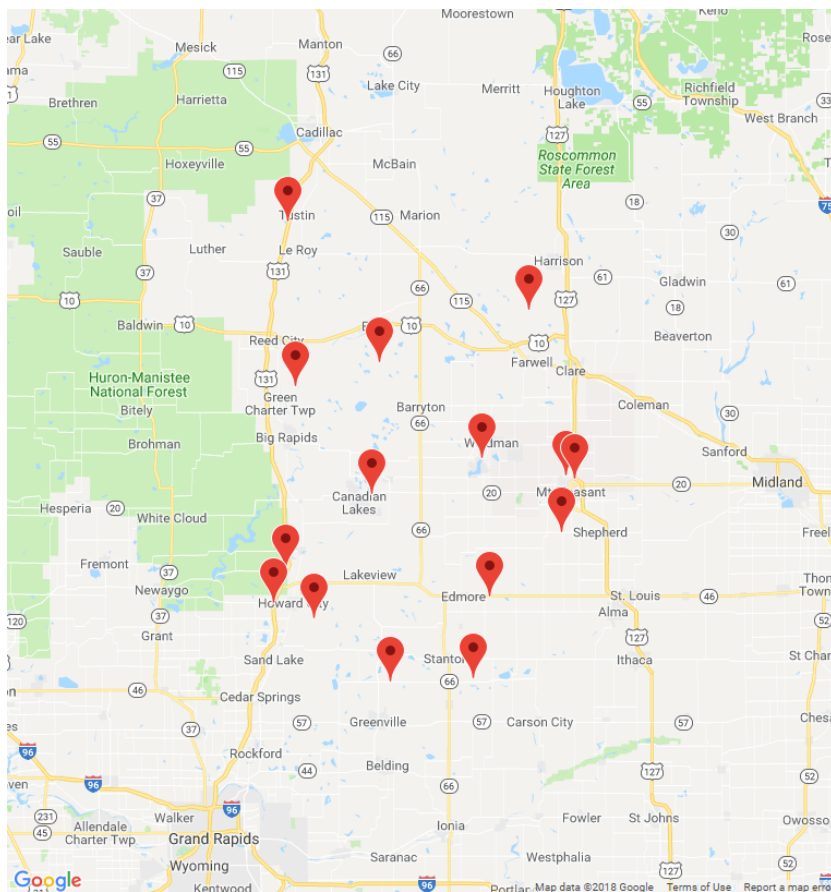
Note: Seatbelt Used includes shoulder belt only used, lap belt only used, both lap and shoulder belts used, and restraint failure.



## 5-Year Trend - Drivers in Crashes by Hazardous Action

Hazardous Action	2013		2014		2015		2016		2017	
	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	7,582	15	7,525	25	7,372	20	7,967	17	8,106	30
Speed too fast	1,626	5	1,617	7	1,045	8	1,376	3	1,293	3
Speed too slow	17	0	11	0	16	0	5	0	7	1
Failed to yield	861	3	904	3	900	5	936	2	936	6
Disregard traffic control	121	1	120	5	124	1	143	4	156	3
Drove wrong way	7	0	8	1	7	0	5	1	6	1
Drove left of center	52	1	62	7	68	2	57	0	58	1
Improper passing	48	1	61	0	50	0	58	1	48	0
Improper lane use	119	0	119	0	151	0	134	0	148	2
Improper turn	69	0	111	0	98	0	94	0	91	1
Improper/no signal	23	0	16	0	16	0	11	0	15	0
Improper backing	153	0	151	0	153	0	142	0	128	0
Unable to stop in assured clear distance	837	0	896	0	856	4	924	1	849	4
Other	267	2	297	0	263	2	307	2	313	0
Unknown	118	5	128	3	120	3	199	3	238	7
Reckless driving	52	0	46	1	72	1	54	1	64	2
Careless/negligent driving	375	5	326	2	354	4	341	1	372	5
Uncoded & errors	29	0	16	0	5	0	6	0	1	0
<b>Total</b>	<b>12,356</b>	<b>38</b>	<b>12,414</b>	<b>54</b>	<b>11,670</b>	<b>50</b>	<b>12,759</b>	<b>36</b>	<b>12,829</b>	<b>66</b>

## Traffic Safety Network Chippewa Valley (continued)



The picture above represents all 2017 alcohol-involved fatal crashes in TSN Chippewa Valley.

In 2017, there were 322 alcohol-involved crashes in TSN Chippewa Valley:

15	K - Fatal Crashes
32	A - Suspected Serious Injury Crashes
52	B - Suspected Minor Injury Crashes
30	C - Possible Injury Crashes
193	O - Property Damage Only/No Injury Crashes

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