



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

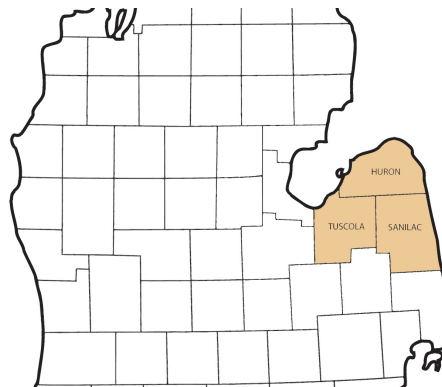
Property Damage Only (PDO)



## Traffic Safety Network Thumb Area

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

Traffic Safety Network Thumb Area is comprised of Huron, Sanilac, and Tuscola 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 Thumb Area Experience

In 2016:

There were 5,733 drivers involved in 4,806 motor vehicle crashes in Traffic Safety Network Thumb Area. Of those crashes, 16 were classified as fatal, resulting in 19 fatalities. An additional 790 persons were injured.

Traffic Safety Network Thumb Area experienced the highest number of motor vehicle crashes (726) in November, the highest number of fatal crashes (4) and the highest number of persons killed (6) in July.

Michigan driver statistics indicate 6.6 percent of licensed drivers in Traffic Safety Network Thumb Area were age 16-20, and 11.0 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	453	1	52	400	1	75
February	417	1	59	357	1	77
March	296	1	29	266	1	37
April	268	2	28	238	2	36
May	300	2	43	255	2	67
June	313	2	36	275	3	45
July	335	4	61	270	6	90
August	303	1	60	242	1	82
September	353	1	46	306	1	70
October	532	0	48	484	0	65
November	726	1	57	668	1	79
December	510	0	52	458	0	67
<b>Total</b>	<b>4,806</b>	<b>16</b>	<b>571</b>	<b>4,219</b>	<b>19</b>	<b>790</b>

## 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	11	0.1	2.2
16 - 20	672,666	471,135	628	9.3	13.3
21 - 24	570,792	470,489	525	9.2	11.2
25 - 64	5,149,843	4,748,323	3,718	7.2	7.8
65 +	1,611,755	1,437,067	709	4.4	4.9
Unknown	0	0	142	--	--
<b>Total</b>	<b>9,928,300</b>	<b>7,176,692</b>	<b>5,733</b>	<b>5.8</b>	<b>8.0</b>

## 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	3,924	68.4	13	52.0	569	3,342
Motor home	52	0.9	0	0.0	10	42
Pickup truck	1,453	25.3	8	32.0	188	1,257
Small truck under 10,000 lbs. GVWR	33	0.6	0	0.0	6	27
Motorcycle	44	0.8	1	4.0	33	10
Moped / goped	4	0.1	0	0.0	4	0
Go-cart / golf cart	0	0.0	0	0.0	0	0
Snowmobile	0	0.0	0	0.0	0	0
Off-Road Vehicle - ORV / All-Terrain Vehicle - ATV	13	0.2	1	4.0	10	2
Other	64	1.1	0	0.0	9	55
Truck/bus over 10,000 lbs.	105	1.8	2	8.0	24	79
Unknown	41	0.7	0	0.0	2	39
<b>Total</b>	<b>5,733</b>	<b>100.0</b>	<b>25</b>	<b>100.0</b>	<b>855</b>	<b>4,853</b>

## Traffic Safety Network Thumb Area (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	378	4	436	1	527	3	491	1	453	1
February	420	1	386	3	414	0	292	1	417	1
March	328	0	353	1	396	0	314	1	296	1
April	299	1	317	0	288	2	311	1	268	2
May	329	0	312	0	239	2	280	1	300	2
June	348	1	343	0	307	2	363	1	313	2
July	354	2	319	2	313	2	344	2	335	4
August	274	5	286	3	251	5	245	0	303	1
September	381	2	364	1	281	1	285	0	353	1
October	516	0	549	2	508	1	523	4	532	0
November	724 †	1	680 †	1	622 †	1	631 †	2	726 †	1
December	497	1	511	0	423	3	413	1	510	0
<b>Total</b>	<b>4,848</b>	<b>18</b>	<b>4,856</b>	<b>14</b>	<b>4,569</b>	<b>22</b>	<b>4,492</b>	<b>15</b>	<b>4,806</b>	<b>16</b>

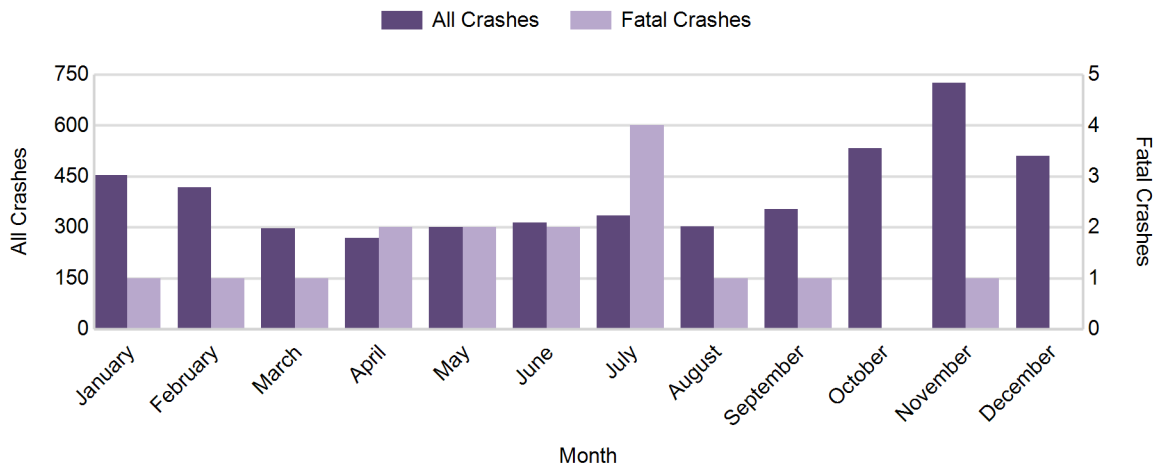
Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred in the same month

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

Day	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	713	2	637	1	630	3	630	1	678	1
Tuesday	659	1	759	2	645	2	686	1	686	0
Wednesday	624	2	685	1	687	1	667	3	728	1
Thursday	634	1	688	1	688	5	651	4	728	3
Friday	863	4	845	2	771	6	672	1	796	2
Saturday	724	3	656	5	617	3	673	3	649	5
Sunday	631	5	586	2	531	2	513	2	541	4
<b>Total</b>	<b>4,848</b>	<b>18</b>	<b>4,856</b>	<b>14</b>	<b>4,569</b>	<b>22</b>	<b>4,492</b>	<b>15</b>	<b>4,806</b>	<b>16</b>

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

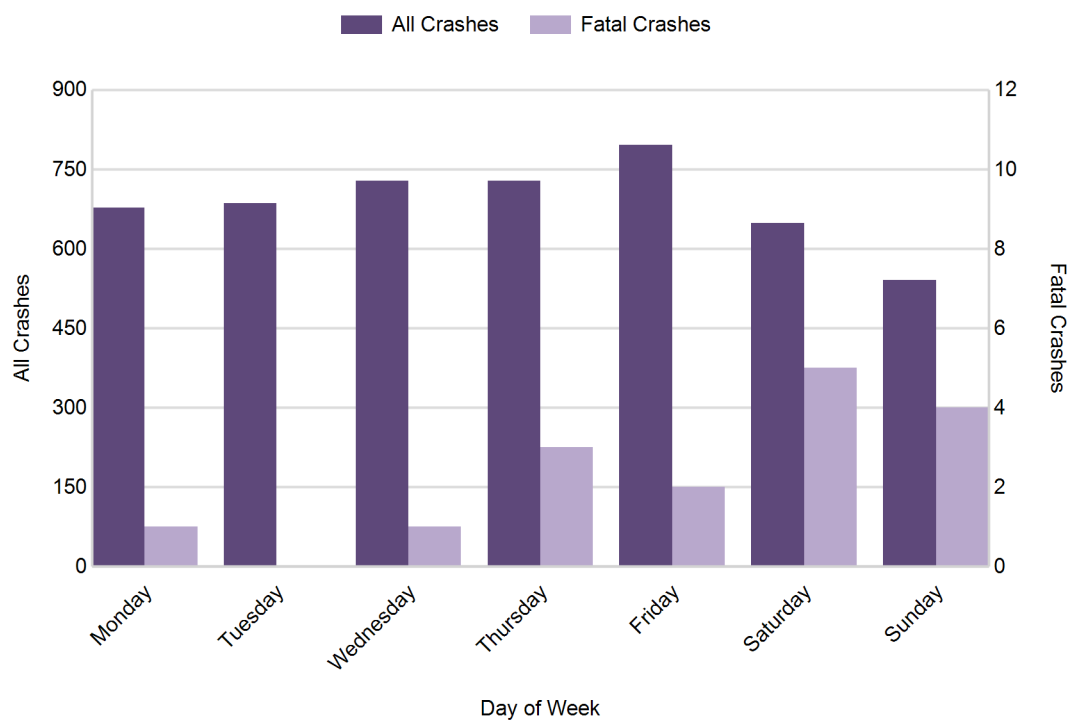
### 2016 Crashes by Month



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	678	14.1	1	6.3	12	31	42	592
Tuesday	686	14.3	0	0.0	7	26	29	624
Wednesday	728	15.1	1	6.3	15	28	48	636
Thursday	728	15.1	3	18.8	10	28	43	644
Friday	796	16.6	2	12.5	11	31	50	702
Saturday	649	13.5	5	31.3	10	25	48	561
Sunday	541	11.3	4	25.0	10	21	46	460
<b>Total</b>	<b>4,806</b>	<b>100.0</b>	<b>16</b>	<b>100.0</b>	<b>75</b>	<b>190</b>	<b>306</b>	<b>4,219</b>

2016 Day of Week and Severity

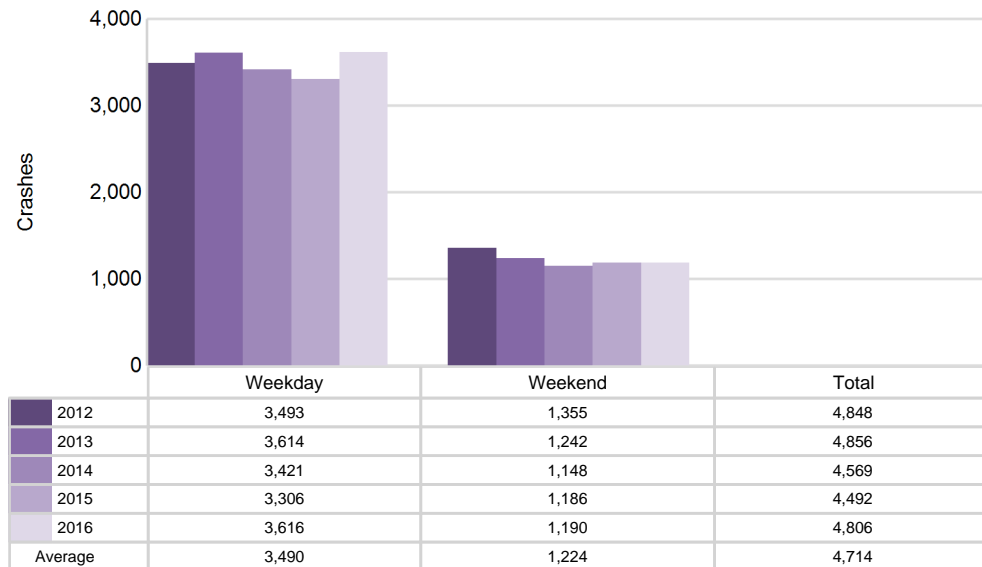


## Traffic Safety Network Thumb Area (continued)

### 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	3,493	10	3,614	7	3,421	17	3,306	10	3,616	7
Weekend	1,355	8	1,242	7	1,148	5	1,186	5	1,190	9
<b>Total</b>	<b>4,848</b>	<b>18</b>	<b>4,856</b>	<b>14</b>	<b>4,569</b>	<b>22</b>	<b>4,492</b>	<b>15</b>	<b>4,806</b>	<b>16</b>

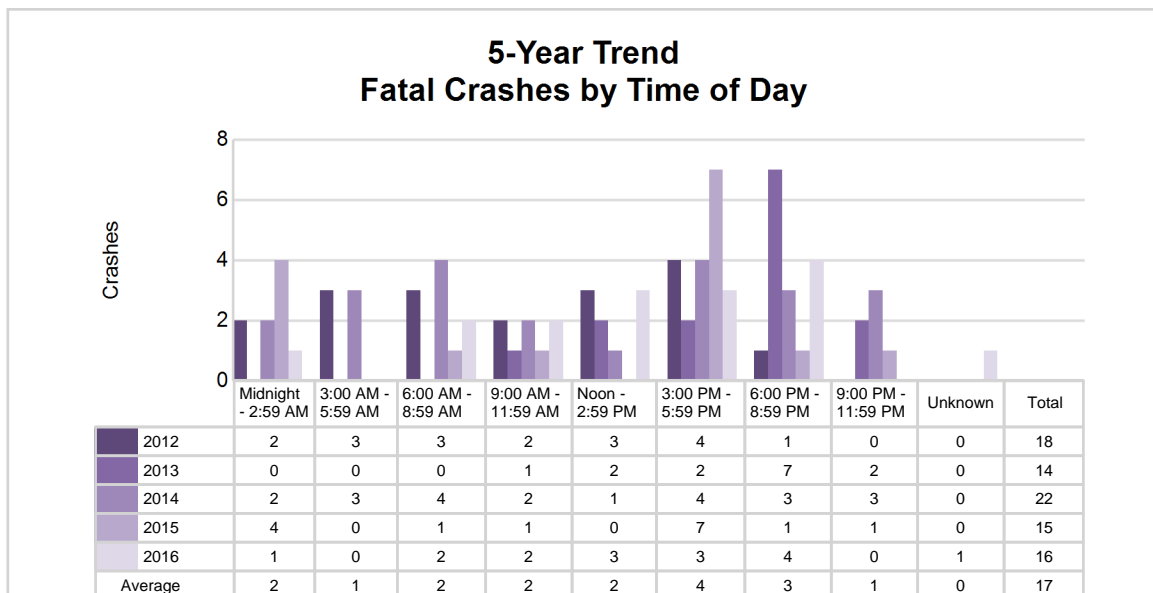
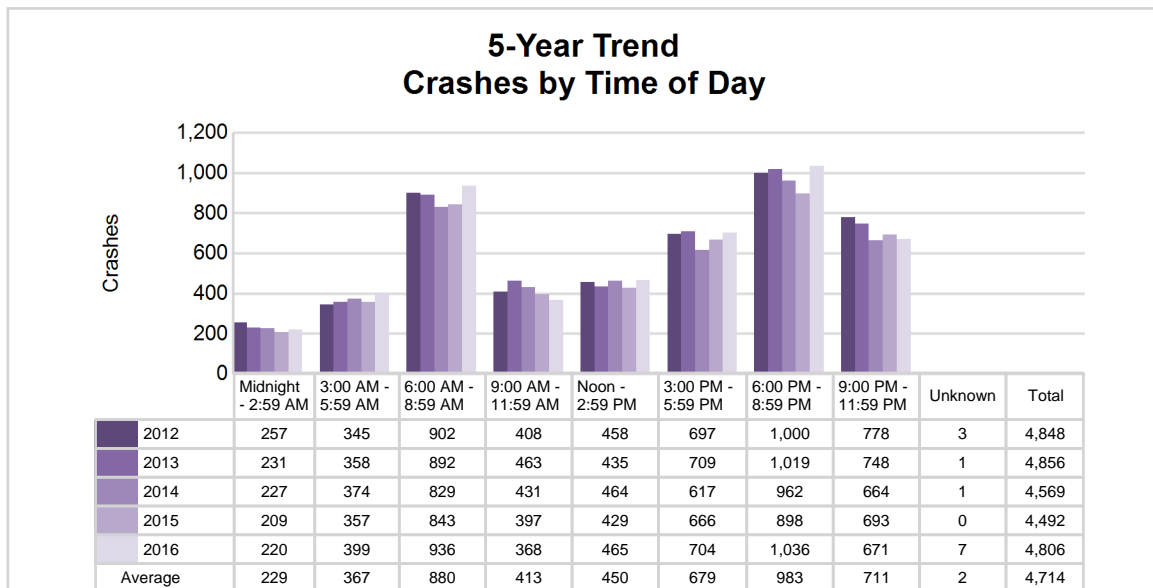
### 5-Year Crash Trends by Weekday (Monday - Friday) and Weekend (Saturday & Sunday)



## 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	257	2	231	0	227	2	209	4	220	1
3:00 AM - 5:59 AM	345	3	358	0	374	3	357	0	399	0
6:00 AM - 8:59 AM	902	3	892	0	829	4	843	1	936	2
9:00 AM - 11:59 AM	408	2	463	1	431	2	397	1	368	2
Noon - 2:59 PM	458	3	435	2	464	1	429	0	465	3
3:00 PM - 5:59 PM	697	4	709	2	617	4	666	7	704	3
6:00 PM - 8:59 PM	1,000 †	1	1,019 †	7	962 †	3	898 †	1	1,036 †	4
9:00 PM - 11:59 PM	778	0	748	2	664	3	693	1	671	0
Unknown	3	0	1	0	1	0	0	0	7	1
<b>Total</b>	<b>4,848</b>	<b>18</b>	<b>4,856</b>	<b>14</b>	<b>4,569</b>	<b>22</b>	<b>4,492</b>	<b>15</b>	<b>4,806</b>	<b>16</b>

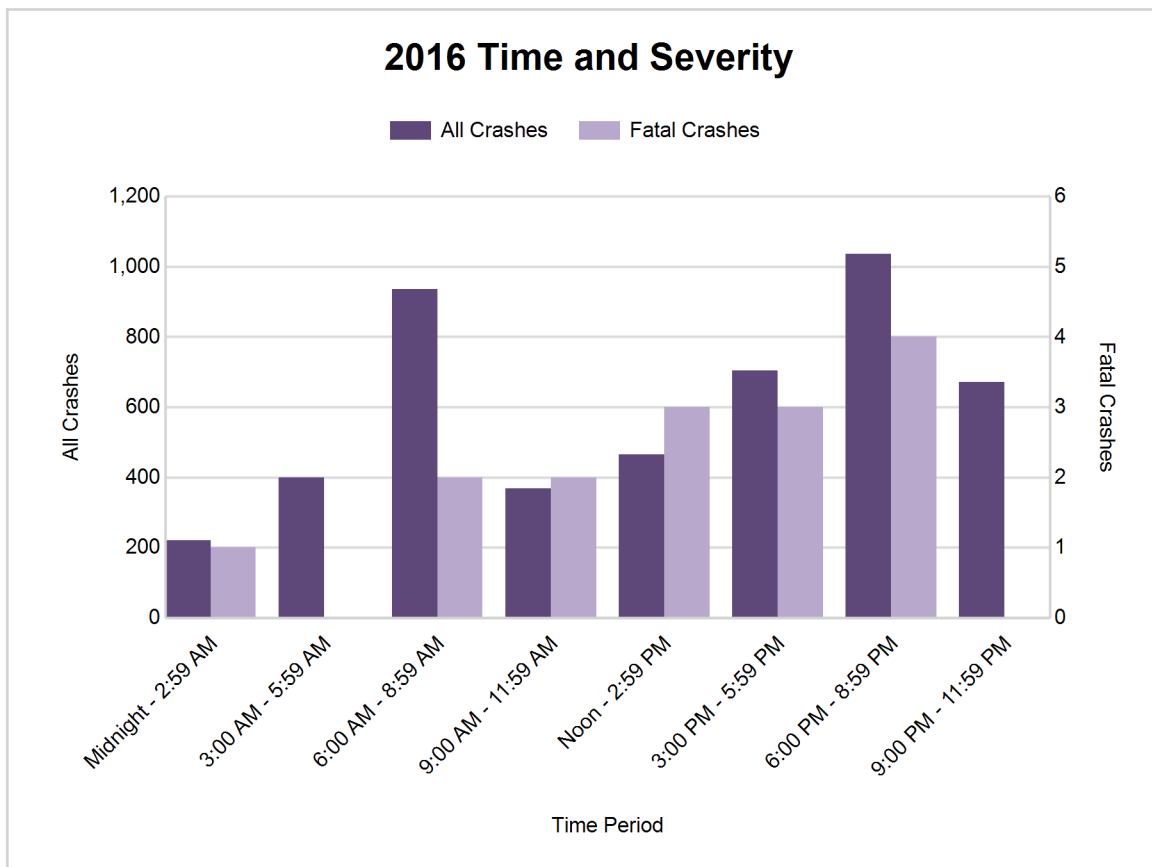
Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred in the same time period



# Traffic Safety Network Thumb Area (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	220	4.6	1	6.3	2	10	15	192
3:00 AM - 5:59 AM	399	8.3	0	0.0	4	14	14	367
6:00 AM - 8:59 AM	936	19.5	2	12.5	5	18	42	869
9:00 AM - 11:59 AM	368	7.7	2	12.5	9	19	39	299
Noon - 2:59 PM	465	9.7	3	18.8	15	37	49	361
3:00 PM - 5:59 PM	704	14.6	3	18.8	18	48	75	560
6:00 PM - 8:59 PM	1,036	21.6	4	25.0	15	32	46	939
9:00 PM - 11:59 PM	671	14.0	0	0.0	7	11	26	627
Unknown	7	0.1	1	6.3	0	1	0	5
<b>Total</b>	<b>4,806</b>	<b>100.0</b>	<b>16</b>	<b>100.0</b>	<b>75</b>	<b>190</b>	<b>306</b>	<b>4,219</b>





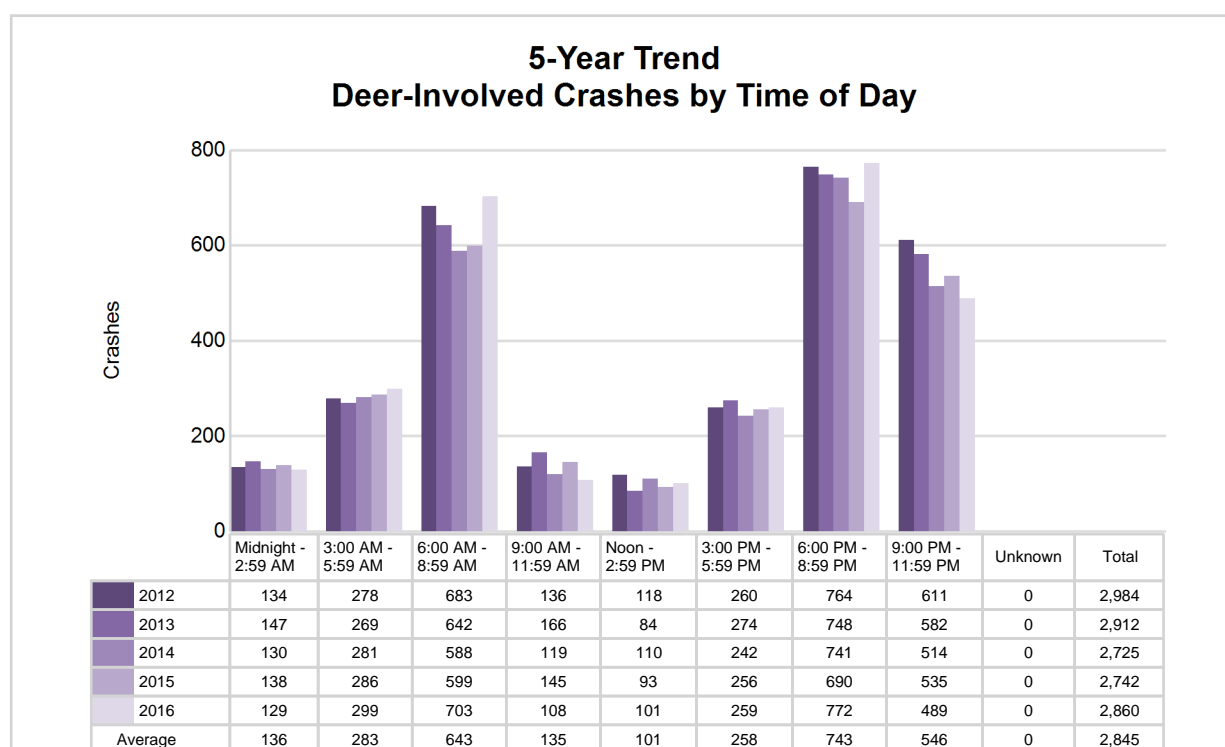
# Traffic Safety Network Thumb Area (continued)

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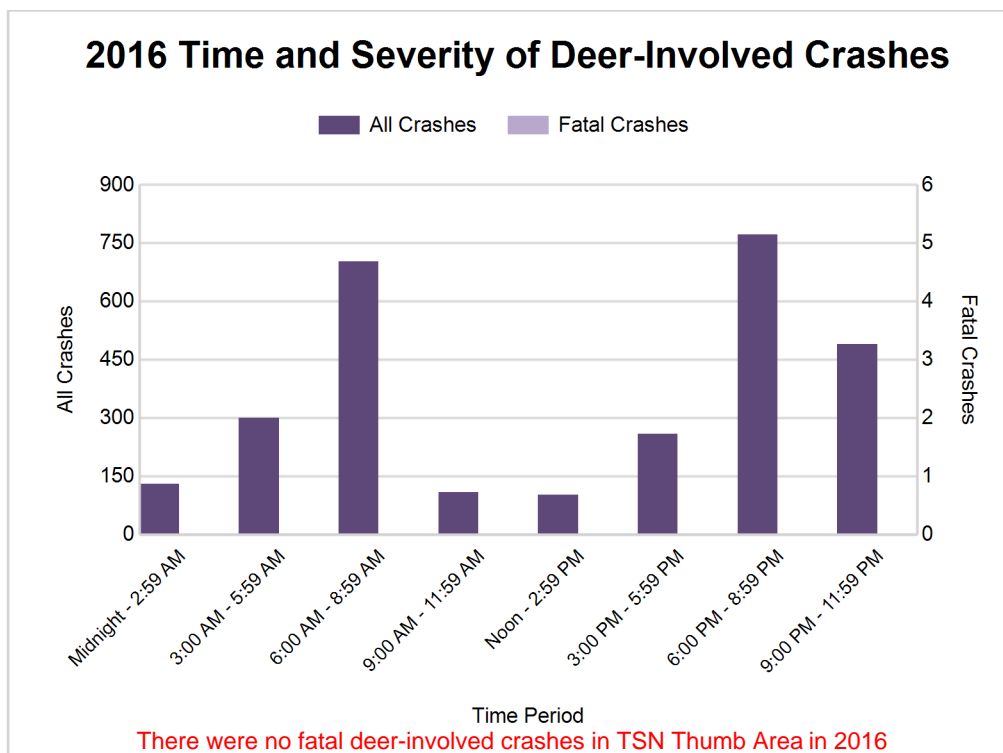
## 5-Year Trend - Deer-Involved Crashes by Time of Day

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	134	0	147	0	130	0	138	0	129	0
3:00 AM - 5:59 AM	278	0	269	0	281	0	286	0	299	0
6:00 AM - 8:59 AM	683	0	642	0	588	0	599	0	703	0
9:00 AM - 11:59 AM	136	0	166	0	119	0	145	0	108	0
Noon - 2:59 PM	118	0	84	0	110	0	93	0	101	0
3:00 PM - 5:59 PM	260	0	274	0	242	0	256	0	259	0
6:00 PM - 8:59 PM	764 †	0	748 †	0	741 †	0	690 †	0	772 †	0
9:00 PM - 11:59 PM	611	0	582	1	514	0	535	0	489	0
Unknown	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>2,984</b>	<b>0</b>	<b>2,912</b>	<b>1</b>	<b>2,725</b>	<b>0</b>	<b>2,742</b>	<b>0</b>	<b>2,860</b>	<b>0</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 Thumb Area (continued)



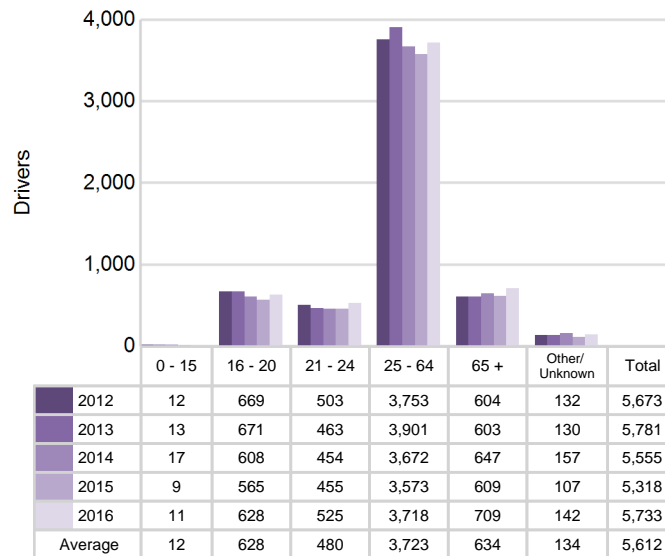
### 2016 - Reported Motor Vehicle Crashes by County

County	Crashes											Persons	
	Total	Fatal	Injury	Property Damage	Inter-state	US Route	State Route	Local Street	Alcohol-Involved	Drug-Involved	Deer-Involved	Fatalities	Injuries
Huron	1,508	5	167	1,336	0	0	633	873	37	8	935	7	225
Sanilac	1,583	5	125	1,453	0	0	720	848	26	9	1,119	6	179
Tuscola	1,715	6	279	1,430	0	0	638	1,075	63	18	806	6	386
<b>Total</b>	<b>4,806</b>	<b>16</b>	<b>571</b>	<b>4,219</b>	<b>0</b>	<b>0</b>	<b>1,991</b>	<b>2,796</b>	<b>126</b>	<b>35</b>	<b>2,860</b>	<b>19</b>	<b>790</b>

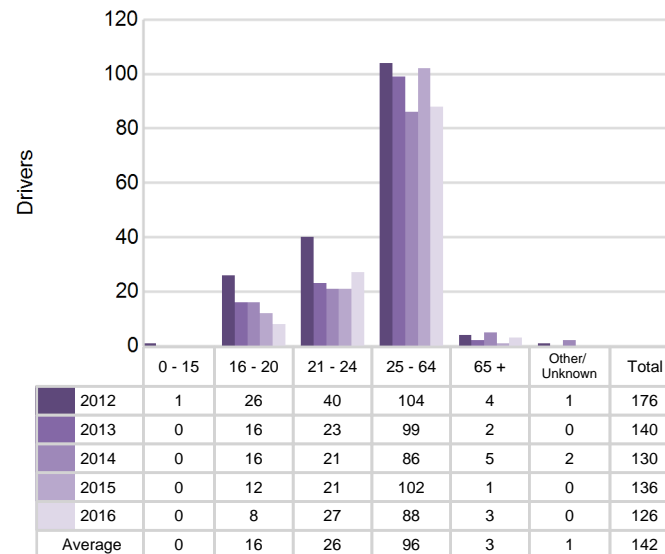
## 5-Year Trend - Drivers in Crashes Coded Drinking by Driver Age

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	12	1	13	0	17	0	9	0	11	0
16 - 20	669	26	671	16	608	16	565	12	628	8
21 - 24	503	40	463	23	454	21	455	21	525	27
25 - 64	3,753	104	3,901	99	3,672	86	3,573	102	3,718	88
65 +	604	4	603	2	647	5	609	1	709	3
Unknown	132	1	130	0	157	2	107	0	142	0
<b>Total</b>	<b>5,673</b>	<b>176</b>	<b>5,781</b>	<b>140</b>	<b>5,555</b>	<b>130</b>	<b>5,318</b>	<b>136</b>	<b>5,733</b>	<b>126</b>

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



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



# Traffic Safety Network Thumb Area (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	10	13	8	8	0	3	3	0	2
21 - 24	28	25	20	27	1	4	7	6	9
25 - 64	97	86	64	88	0	9	20	28	31
65 +	5	11	2	3	0	0	0	1	2
Unknown	4	0	0	0	0	0	0	0	0
<b>Total</b>	<b>144</b>	<b>135</b>	<b>94</b>	<b>126</b>	<b>1</b>	<b>16</b>	<b>30</b>	<b>35</b>	<b>44</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 2016, there were 144 drivers in alcohol-involved crashes; 126 (87.5%) of those drivers were coded as had-been-drinking by the officer on the crash form.

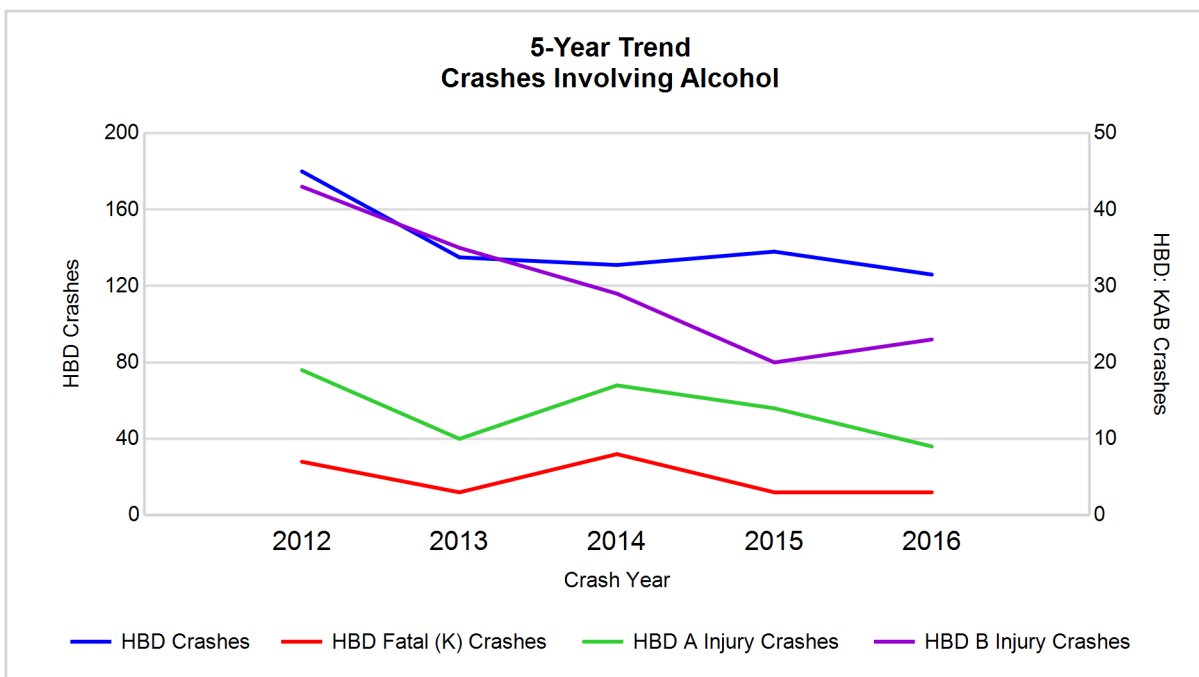
- 65 (51.6%) of the 126 drivers had a blood alcohol concentration (BAC) of 0.08 g/dL (grams per deciliter) or greater, and 35 (53.8%) of the 65 drivers had a BAC at or above 0.17 g/dL.
- 94 (74.6%) of the 126 drivers were coded as had-been-drinking and were tested for alcohol consumption.

## 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	4,848	180	3.7	18	7	38.9	92	19	20.7	202	43	21.3
2013	4,856	135	2.8	14	3	21.4	60	10	16.7	216	35	16.2
2014	4,569	131	2.9	22	8	36.4	61	17	27.9	175	29	16.6
2015	4,492	138	3.1	15	3	20.0	62	14	22.6	181	20	11.0
2016	4,806	126*	2.6*	16	3	18.8*	75	9*	12.0*	190	23	12.1

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



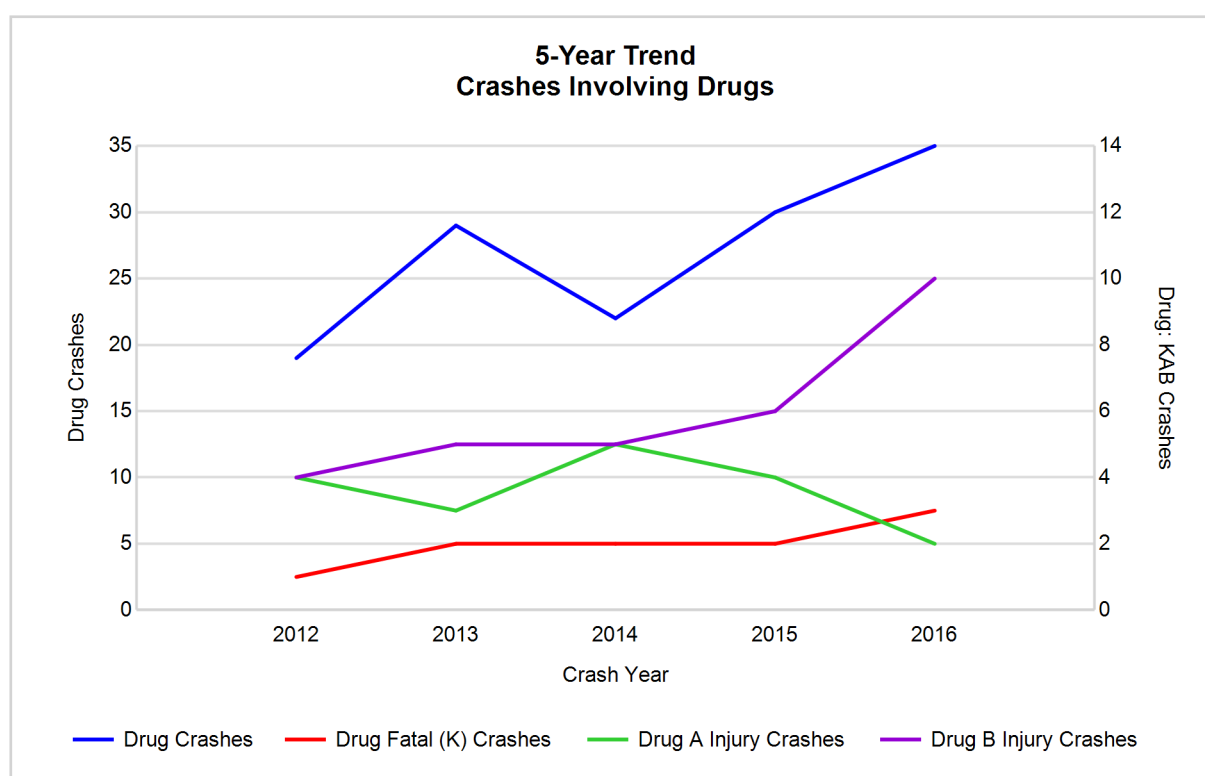
Note: Had-Been-Drinking (HBD)

## 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	4,848	19	0.4	18	1	5.6	92	4	4.3	202	4	2.0
2013	4,856	29	0.6	14	2	14.3	60	3	5.0	216	5	2.3
2014	4,569	22	0.5	22	2	9.1	61	5	8.2	175	5	2.9
2015	4,492	30	0.7	15	2	13.3	62	4	6.5	181	6	3.3
2016	4,806	35**	0.7	16	3**	18.8**	75	2*	2.7*	190	10**	5.3**

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



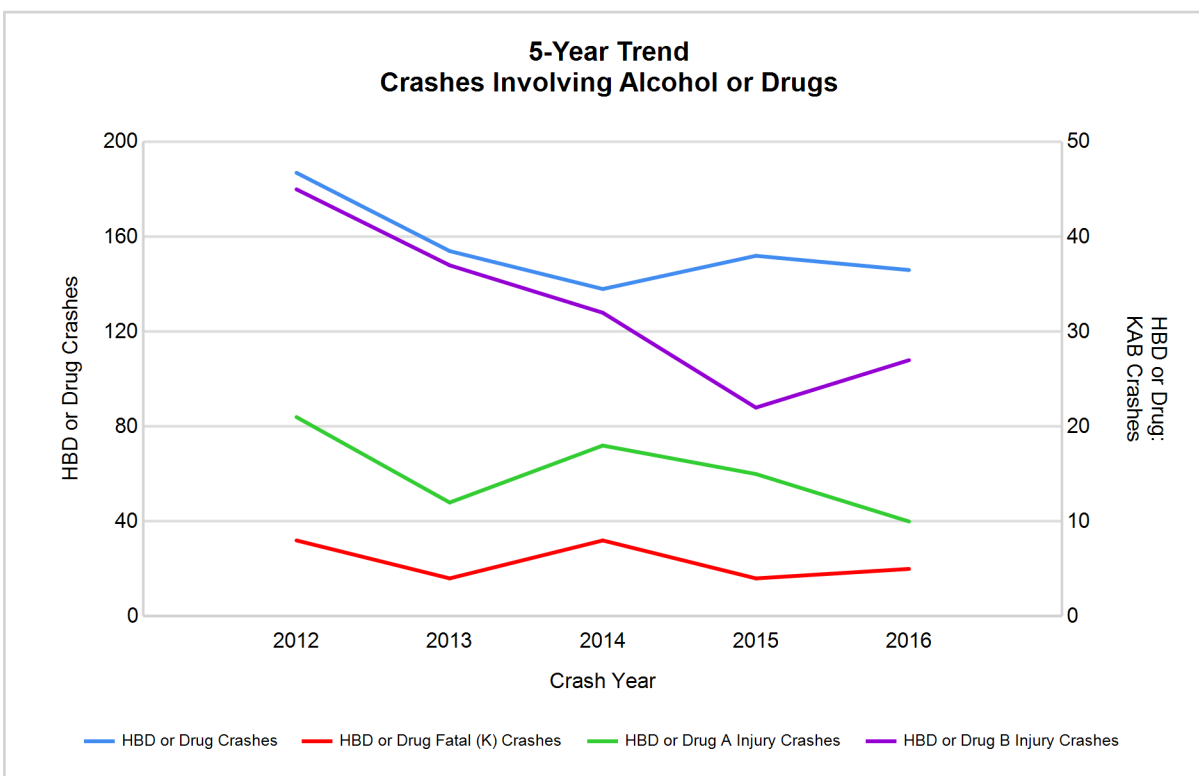
# Traffic Safety Network Thumb Area (continued)

## 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	4,848	187	3.9	18	8	44.4	92	21	22.8	202	45	22.3
2013	4,856	154	3.2	14	4	28.6	60	12	20.0	216	37	17.1
2014	4,569	138	3.0	22	8	36.4	61	18	29.5	175	32	18.3
2015	4,492	152	3.4	15	4	26.7	62	15	24.2	181	22	12.2
2016	4,806	146	3.0	16	5	31.3	75	10*	13.3*	190	27	14.2

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

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



Note: Had-Been-Drinking (HBD)

# Traffic Safety Network Thumb Area (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	4,064	3,847	94.7	9	5	55.6	82	65	79.3	165	142	86.1	297	277	93.3	3,439	3,356	97.6
Motor home	52	50	96.2	0	0	0.0	1	1	100.0	1	1	100.0	5	5	100.0	43	43	100.0
Pickup truck	1,496	1,395	93.2	7	2	28.6	13	11	84.6	58	41	70.7	89	83	93.3	1,304	1,258	96.5
Small truck under 10,000 lbs. GVWR	33	29	87.9	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0	31	29	93.5
Motorcycle	48	32	66.7	1	0	0.0	7	4	57.1	12	9	75.0	16	11	68.8	11	8	72.7
Moped / goped	4	1	25.0	0	0	0.0	0	0	0.0	1	1	100.0	3	0	0.0	0	0	0.0
Go-cart / golf cart	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Snowmobile	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Off-Road Vehicle - ORV / All-Terrain Vehicle - ATV	20	5	25.0	1	0	0.0	2	0	0.0	10	3	30.0	5	1	20.0	2	1	50.0
Other	64	52	81.3	0	0	0.0	1	1	100.0	1	0	0.0	4	2	50.0	58	49	84.5
Truck/bus over 10,000 lbs.	105	98	93.3	0	0	0.0	0	0	0.0	1	1	100.0	5	5	100.0	96	92	95.8
Unknown	41	5	12.2	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	6	5	83.3
<b>Total</b>	<b>5,927</b>	<b>5,514</b>	<b>93.0</b>	<b>18</b>	<b>7</b>	<b>38.9</b>	<b>106</b>	<b>82</b>	<b>77.4</b>	<b>249</b>	<b>198</b>	<b>79.5</b>	<b>425</b>	<b>384</b>	<b>90.4</b>	<b>4,990</b>	<b>4,841</b>	<b>97.0</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.

## 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	65	57	87.7	0	0	0.0	5	5	100.0	17	14	82.4	37	33	89.2	5	5	100.0
16 - 20	671	627	93.4	3	0	0.0	17	13	76.5	51	40	78.4	63	54	85.7	537	520	96.8
21 - 24	543	505	93.0	2	0	0.0	11	8	72.7	38	28	73.7	41	38	92.7	451	431	95.6
25 - 64	3,780	3,631	96.1	6	3	50.0	56	42	75.0	106	85	80.2	237	218	92.0	3,370	3,282	97.4
65 +	726	693	95.5	7	4	57.1	17	14	82.4	37	31	83.8	46	41	89.1	619	603	97.4
Unknown	142	1	0.7	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0	8	0	0.0
<b>Total</b>	<b>5,927</b>	<b>5,514</b>	<b>93.0</b>	<b>18</b>	<b>7</b>	<b>38.9</b>	<b>106</b>	<b>82</b>	<b>77.4</b>	<b>249</b>	<b>198</b>	<b>79.5</b>	<b>425</b>	<b>384</b>	<b>90.4</b>	<b>4,990</b>	<b>4,841</b>	<b>97.0</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 Thumb Area (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	44	0	5	42	0	3	29	0	6	48	1	2	20	0	2
Shoulder belt only used	4	0	0	8	0	0	7	0	1	6	0	0	35	0	4
Lap belt only used	23	0	2	33	0	10	36	0	3	31	0	1	18	0	2
Both lap & shoulder belts used	5,239	5	469	5,383	6	495	5,142	8	456	4,923	3	430	5,275	5	483
No belts used	74	7	33	57	3	29	68	7	31	63	4	32	73	4	42
Child restraint used	0	0	0	0	0	0	0	0	0	1	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	1	0	0	3	0	0	1	0	1
Restraint use unknown	84	1	22	67	1	17	46	2	8	58	2	18	203	1	14
Helmet worn	49	1	40	33	0	22	39	1	24	50	1	37	34	0	25
Helmet not worn	26	0	25	23	2	17	20	0	14	23	1	16	19	2	15
Helmet use unknown	7	0	6	6	0	3	8	0	5	7	0	4	6	0	4
Uncoded & errors	123	0	0	128	0	0	159	0	0	105	0	0	49	0	0
<b>Total</b>	<b>5,673</b>	<b>14</b>	<b>602</b>	<b>5,781</b>	<b>12</b>	<b>596</b>	<b>5,555</b>	<b>18</b>	<b>548</b>	<b>5,318</b>	<b>12</b>	<b>540</b>	<b>5,733</b>	<b>12</b>	<b>592</b>

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

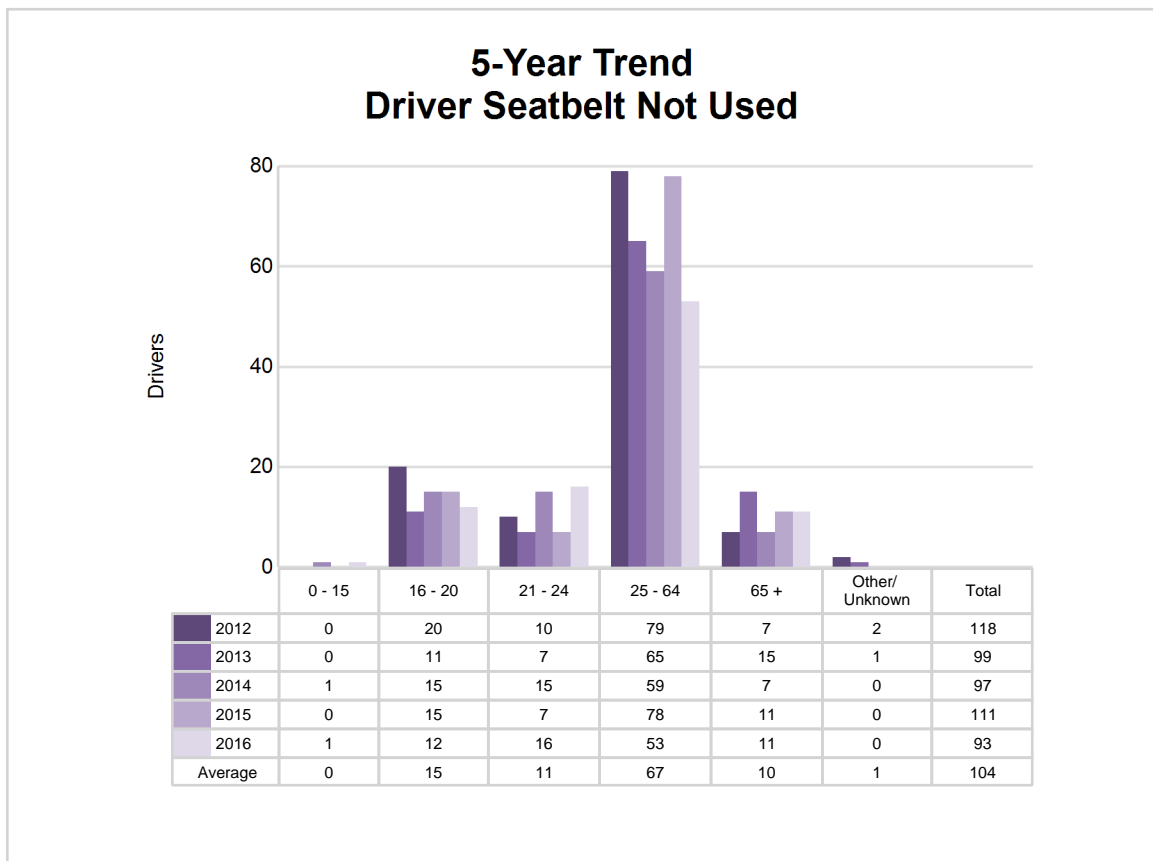
Restraint Use	2012			2013			2014			2015			2016		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
No belts available	2	0	1	1	0	0	0	0	0	0	0	0	0	0	0
Shoulder belt only used	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lap belt only used	1	0	0	0	0	0	1	0	1	1	0	0	0	0	0
Both lap & shoulder belts used	114	1	42	104	1	38	87	1	42	91	0	23	83	1	28
No belts used	21	4	13	13	1	11	20	4	13	13	2	10	17	1	11
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	1	0	1
Restraint use unknown	27	0	11	20	0	6	15	1	3	24	0	9	23	0	4
Helmet worn	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0
Helmet not worn	7	0	7	1	0	1	4	0	4	6	1	2	2	1	1
Helmet use unknown	2	0	2	1	0	1	0	0	0	1	0	1	0	0	0
Uncoded & errors	1	0	0	0	0	0	2	0	0	0	0	0	0	0	0
<b>Total</b>	<b>176</b>	<b>5</b>	<b>77</b>	<b>140</b>	<b>2</b>	<b>57</b>	<b>130</b>	<b>6</b>	<b>63</b>	<b>136</b>	<b>3</b>	<b>45</b>	<b>126</b>	<b>3</b>	<b>45</b>



## 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	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1
16 - 20	20	1	8	11	0	6	15	2	3	15	0	9	12	0	6
21 - 24	10	2	6	7	1	1	15	0	9	7	0	1	16	0	9
25 - 64	79	2	23	65	2	22	59	4	24	78	3	23	53	2	23
65 +	7	2	1	15	0	3	7	1	1	11	2	1	11	2	5
Unknown	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>118</b>	<b>7</b>	<b>38</b>	<b>99</b>	<b>3</b>	<b>32</b>	<b>97</b>	<b>7</b>	<b>37</b>	<b>111</b>	<b>5</b>	<b>34</b>	<b>93</b>	<b>4</b>	<b>44</b>

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

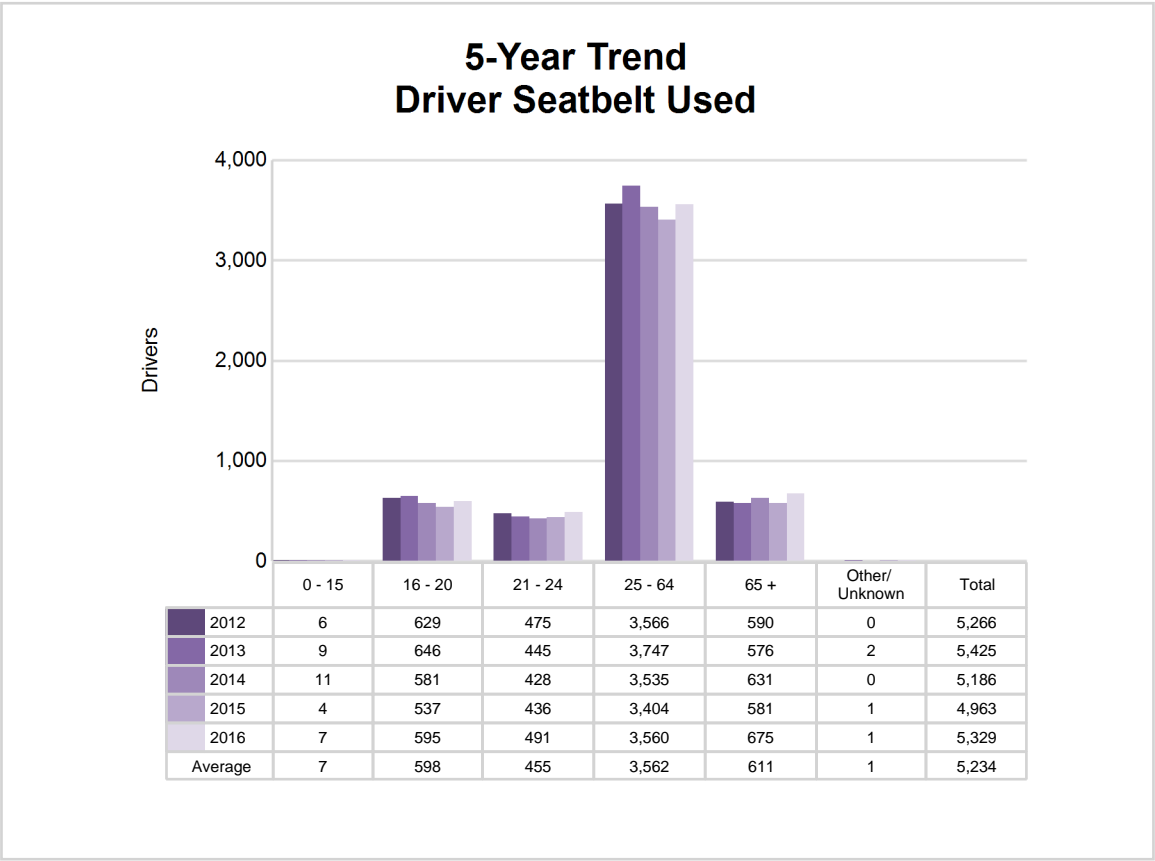


# Traffic Safety Network Thumb Area (continued)

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	6	0	2	9	0	2	11	0	2	4	0	0	7	0	2
16 - 20	629	0	91	646	2	110	581	0	92	537	0	79	595	0	76
21 - 24	475	1	58	445	0	42	428	1	46	436	0	54	491	0	60
25 - 64	3,566	2	264	3,747	3	287	3,535	5	258	3,404	2	256	3,560	2	282
65 +	590	2	56	576	1	64	631	2	62	581	1	42	675	3	70
Unknown	0	0	0	2	0	0	0	0	0	1	0	0	1	0	0
Total	5,266	5	471	5,425	6	505	5,186	8	460	4,963	3	431	5,329	5	490

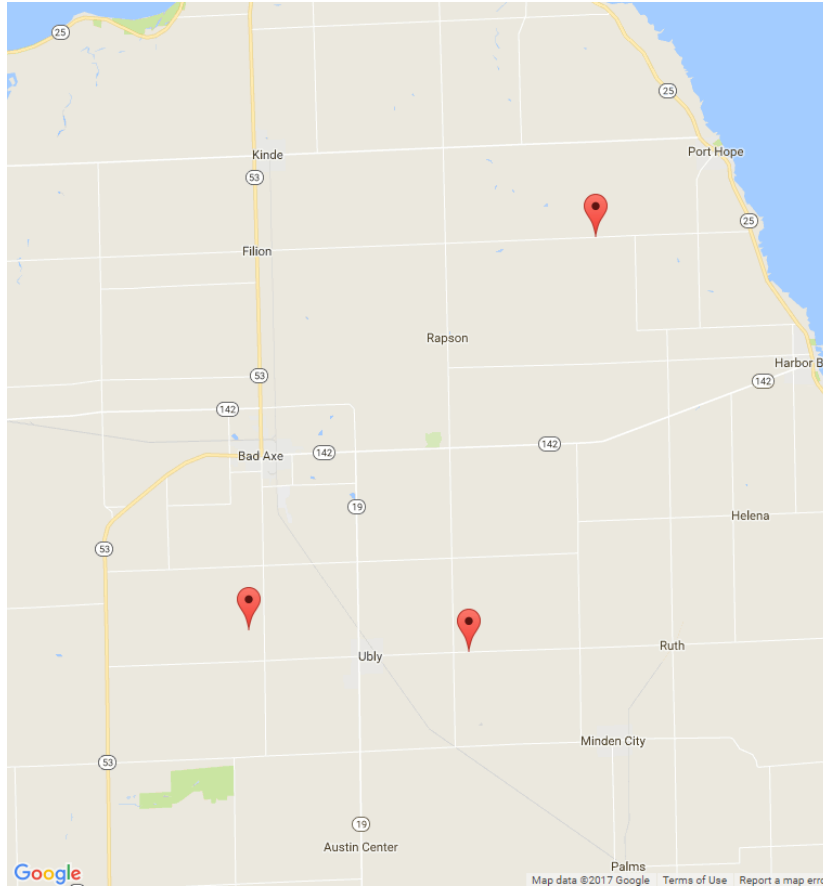
Note: Seatbelt Used includes shoulder belt only used, lap belt only used, both lap and shoulder belts used, and restraint failure.



## 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	4,060	8	4,066	12	3,914	11	3,756	9	4,003	9
Speed too fast	435	6	434	1	457	7	379	4	411	1
Speed too slow	6	0	4	0	6	0	4	0	4	0
Failed to yield	250	3	279	1	280	4	246	2	289	4
Disregard traffic control	46	3	54	1	44	3	53	1	51	3
Drove wrong way	2	0	4	1	2	0	0	0	2	0
Drove left of center	23	0	32	2	21	0	22	0	35	1
Improper passing	14	0	25	0	24	0	32	0	29	0
Improper lane use	25	0	32	0	16	2	30	1	39	0
Improper turn	31	0	32	0	37	0	35	0	44	0
Improper/no signal	8	0	12	0	11	0	5	0	6	0
Improper backing	87	0	79	0	91	0	79	1	91	0
Unable to stop in assured clear distance	234	0	266	2	277	1	252	1	252	1
Other	176	0	197	1	127	0	124	2	155	2
Unknown	28	0	56	2	47	3	52	2	97	4
Reckless driving	29	1	21	0	18	2	26	0	15	0
Careless/negligent driving	216	4	186	1	180	2	218	0	186	0
Uncoded & errors	3	0	2	0	3	0	5	0	24	0
<b>Total</b>	<b>5,673</b>	<b>25</b>	<b>5,781</b>	<b>24</b>	<b>5,555</b>	<b>35</b>	<b>5,318</b>	<b>23</b>	<b>5,733</b>	<b>25</b>

## Traffic Safety Network Thumb Area (continued)



The picture above represents all 2016 alcohol-involved fatal crashes in TSN Thumb Area.

In 2016, there were 126 alcohol-involved crashes in TSN Thumb Area:

- 3 K - Fatal Crashes
- 9 A - Suspected Serious Injury Crashes
- 23 B - Suspected Minor Injury Crashes
- 19 C - Possible Injury Crashes
- 72 O - Property Damage Only/No Injury Crashes

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