



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

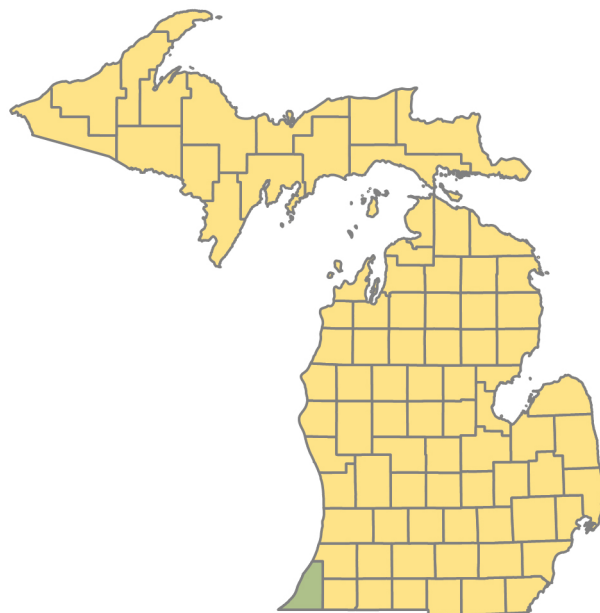
O = No Injury

Property Damage Only (PDO)



Berrien County

2017 Traffic Crash Data & 2013-2017 5-Year Trends



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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Crashes by most severe injury (mapped/actual)

▲ K - Fatal (18/18)

● A - Suspected Serious (105/105)

Berrien County

In 2017:

There were 7,010 drivers involved in 4,585 motor vehicle crashes in Berrien County. Of those crashes, 18 were classified as fatal, resulting in 20 fatalities. An additional 1,157 persons were injured.

Berrien County experienced the highest number of motor vehicle crashes (680) in December, the highest number of fatal crashes (3) in April, July, August, September, and November, and the highest number of persons killed (4) in April and September.

Michigan driver statistics indicate 5.8 percent of licensed drivers in Berrien County were age 16-20, and 10.0 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	477	2	64	411	2	86
February	246	0	46	200	0	58
March	326	1	58	267	1	81
April	285	3	64	218	4	101
May	328	0	64	264	0	98
June	382	0	83	299	0	106
July	347	3	83	261	3	107
August	326	3	68	255	3	96
September	330	3	85	242	4	128
October	438	0	74	364	0	109
November	420	3	55	362	3	78
December	680	0	87	593	0	109
Total	4,585	18	831	3,736	20	1,157

2017 - Driver Statistics

Age Group	Berrien County			Driver Rates	
	2017 Population	Licensed Drivers	Drivers in Crashes	Per 10k Population	Per 10k Licensed
0 - 15	29,890	701	13	4.3	185.4
16 - 20	9,471	6,430	698	737.0	1,085.5
21 - 24	7,176	6,051	599	834.7	989.9
25 - 64	77,966	71,540	4,339	556.5	606.5
65 +	29,756	26,940	920	309.2	341.5
Unknown	0	0	441	- -	- -
Total	154,259	111,662	7,010	454.4	627.8

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	5,628	80.3	15	60.0	1,147	4,466
Motor home	11	0.2	1	4.0	0	10
Pickup truck	765	10.9	5	20.0	136	624
Small truck under 10,000 lbs. GVWR	63	0.9	0	0.0	14	49
Motorcycle	66	0.9	1	4.0	45	20
Moped / goped	9	0.1	0	0.0	7	2
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	2	0.0	0	0.0	1	1
Other	32	0.5	0	0.0	6	26
Truck/bus over 10,000 lbs.	286	4.1	3	12.0	57	226
Unknown	148	2.1	0	0.0	16	132
Total	7,010	100.0	25	100.0	1,429	5,556

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	468	1	783	0	605	1	611	1	477	2
February	489	0	442	0	707	1	464	3	246	0
March	296	2	349	2	297	0	282	0	326	1
April	228	2	244	1	231	0	305	1	285	3
May	287	1	283	3	325	0	295	0	328	0
June	296	2	300	0	323	3	352	3	382	0
July	330	2	316	1	362	1	372	0	347	3
August	267	3	274	1	291	2	326	0	326	3
September	290	4	279	3	302	3	308	1	330	3
October	375	2	428	1	355	4	369	1	438	0
November	527	3	588	0	476	2	452	4	420	3
December	526	3	292	1	438	0	462	2	680	0
Total	4,379	25	4,578	13	4,712	17	4,598	16	4,585	18

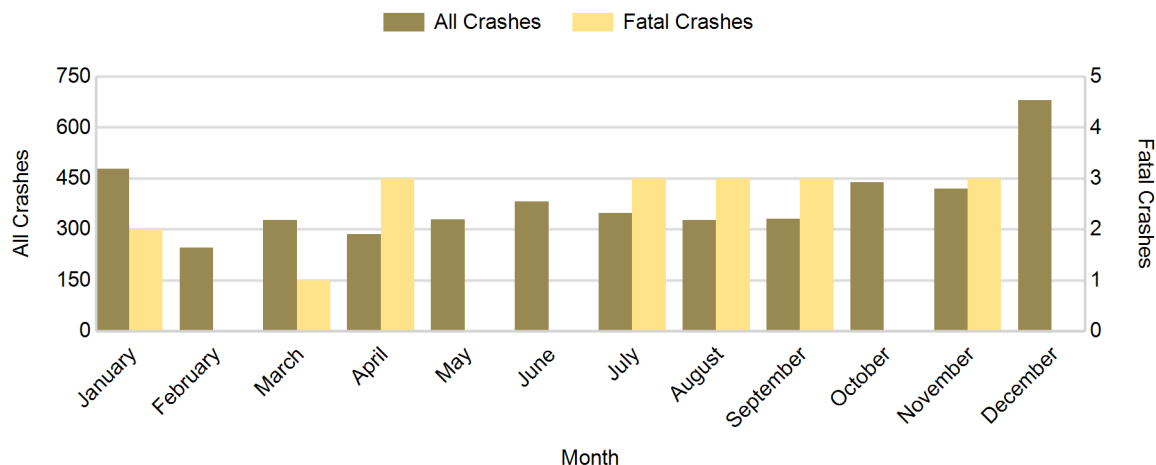
Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred in the same month

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	626	4	569	4	698	1	756	3	653	2
Tuesday	782	2	742	2	602	2	672	3	610	2
Wednesday	714	2	666	2	676	3	663	0	663	2
Thursday	590	5	826	0	709	1	602	2	668	3
Friday	661	4	699	2	737	0	700	4	771	2
Saturday	540	4	602	1	720	4	590	2	635	4
Sunday	466	4	474	2	570	6	615	2	585	3
Total	4,379	25	4,578	13	4,712	17	4,598	16	4,585	18

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

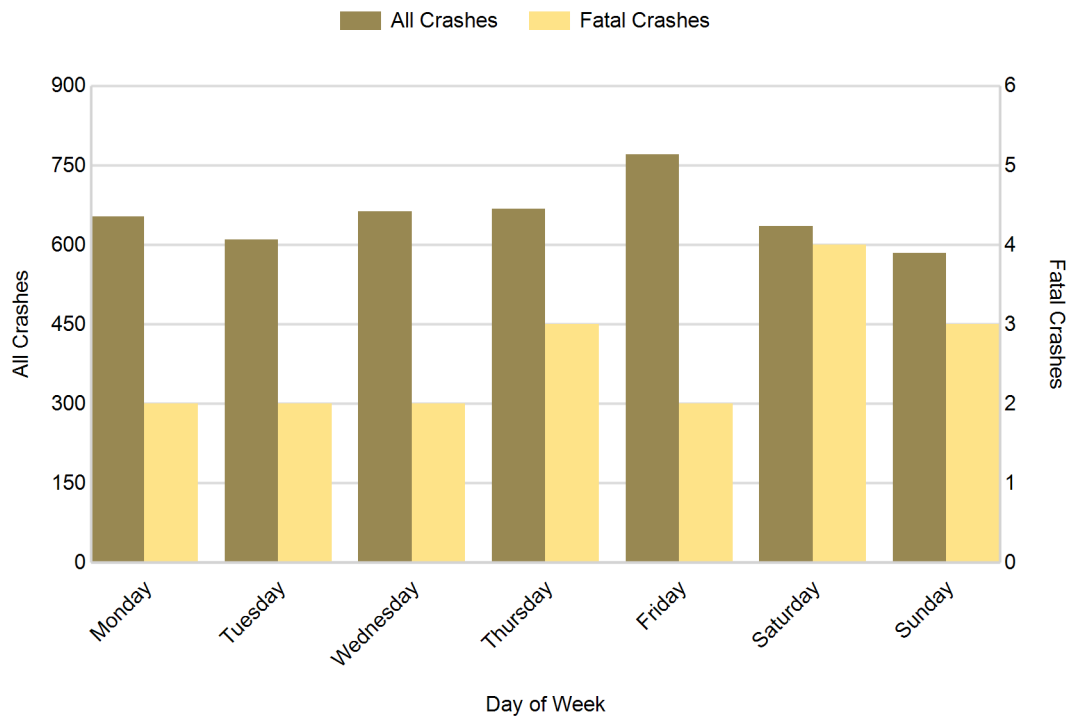
2017 Crashes by Month



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	653	14.2	2	11.1	18	36	66	531
Tuesday	610	13.3	2	11.1	22	27	71	488
Wednesday	663	14.5	2	11.1	12	34	75	540
Thursday	668	14.6	3	16.7	9	23	74	559
Friday	771	16.8	2	11.1	14	37	94	624
Saturday	635	13.8	4	22.2	11	34	61	525
Sunday	585	12.8	3	16.7	19	37	57	469
Total	4,585	100.0	18	100.0	105	228	498	3,736

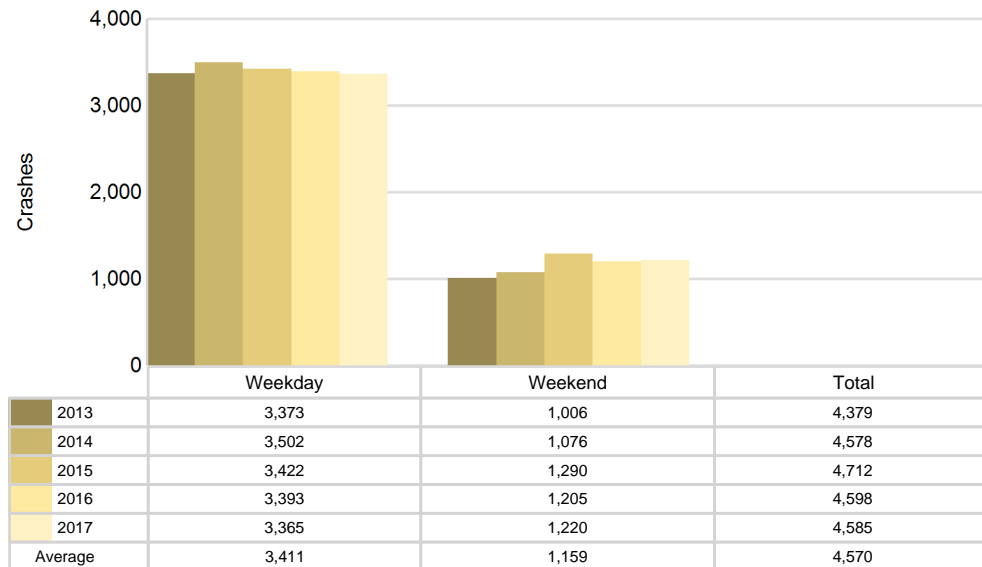
2017 Day of Week and Severity



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	3,373	17	3,502	10	3,422	7	3,393	12	3,365	11
Weekend	1,006	8	1,076	3	1,290	10	1,205	4	1,220	7
Total	4,379	25	4,578	13	4,712	17	4,598	16	4,585	18

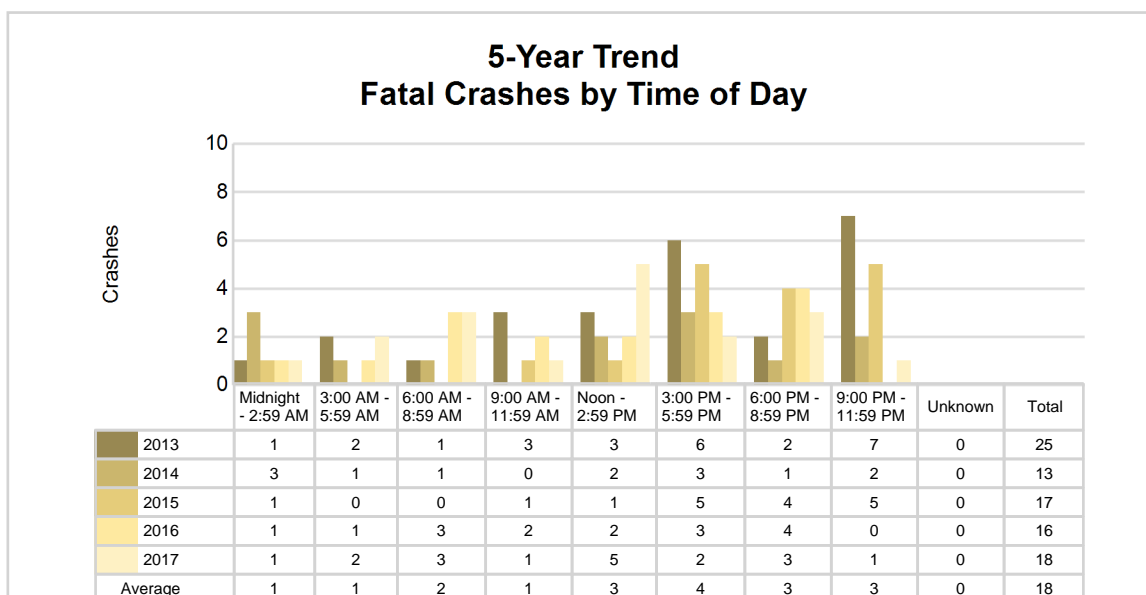
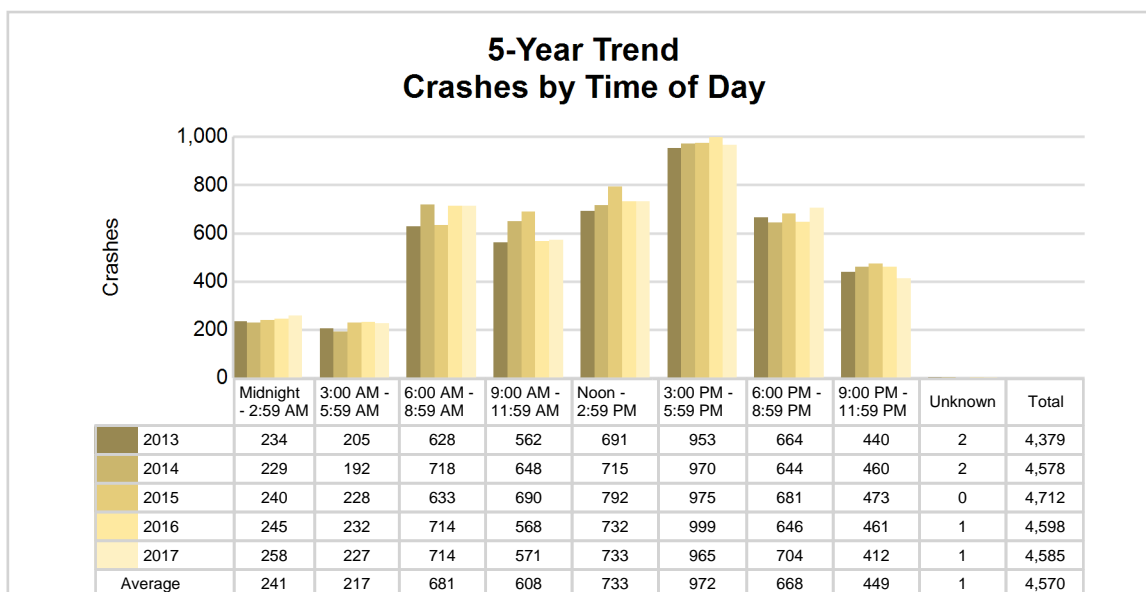
5-Year Crash Trends by Weekday (Monday - Friday) and Weekend (Saturday & Sunday)



5-Year Trend - Crashes by Time of Day

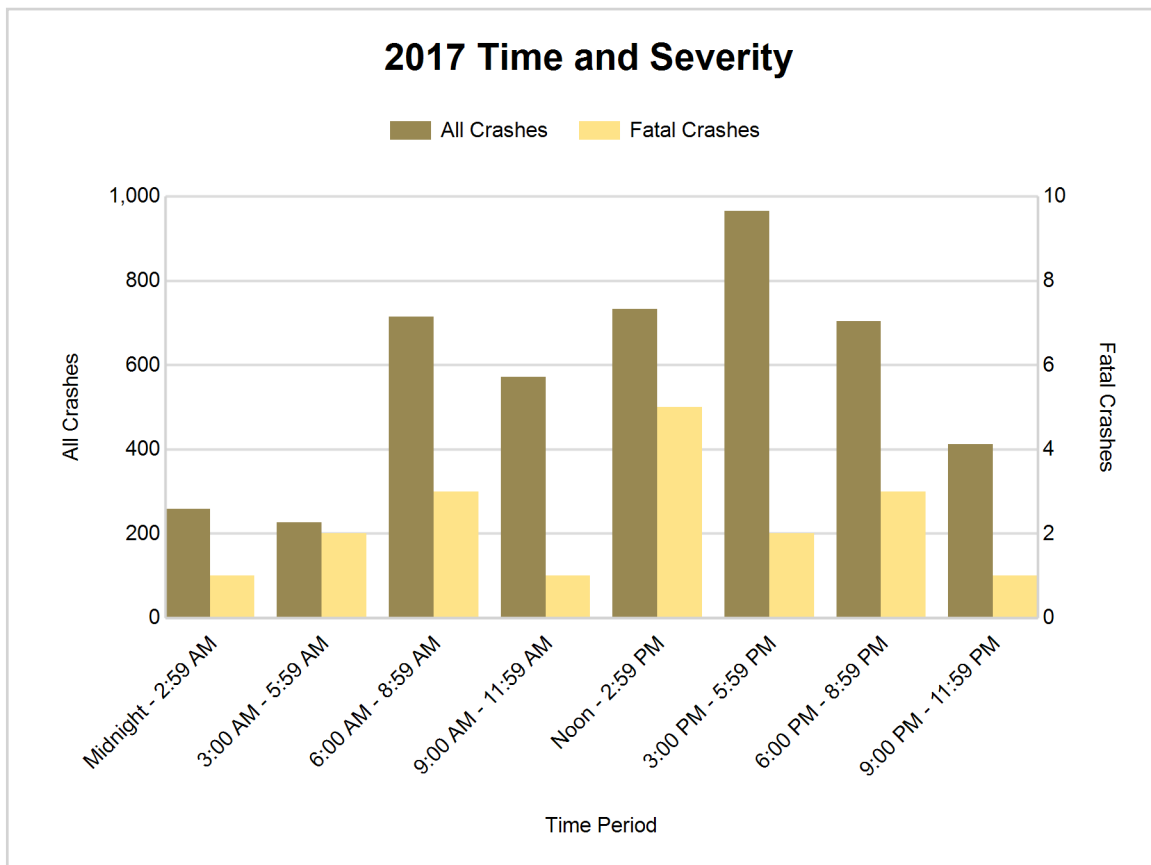
Time of Day	2013		2014		2015		2016		2017	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	234	1	229	3	240	1	245	1	258	1
3:00 AM - 5:59 AM	205	2	192	1	228	0	232	1	227	2
6:00 AM - 8:59 AM	628	1	718	1	633	0	714	3	714	3
9:00 AM - 11:59 AM	562	3	648	0	690	1	568	2	571	1
Noon - 2:59 PM	691	3	715	2	792	1	732	2	733	5
3:00 PM - 5:59 PM	953 †	6	970 †	3	975 †	5	999 †	3	965 †	2
6:00 PM - 8:59 PM	664	2	644	1	681	4	646	4	704	3
9:00 PM - 11:59 PM	440	7	460	2	473	5	461	0	412	1
Unknown	2	0	2	0	0	0	1	0	1	0
Total	4,379	25	4,578	13	4,712	17	4,598	16	4,585	18

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



2017 - Time and Severity

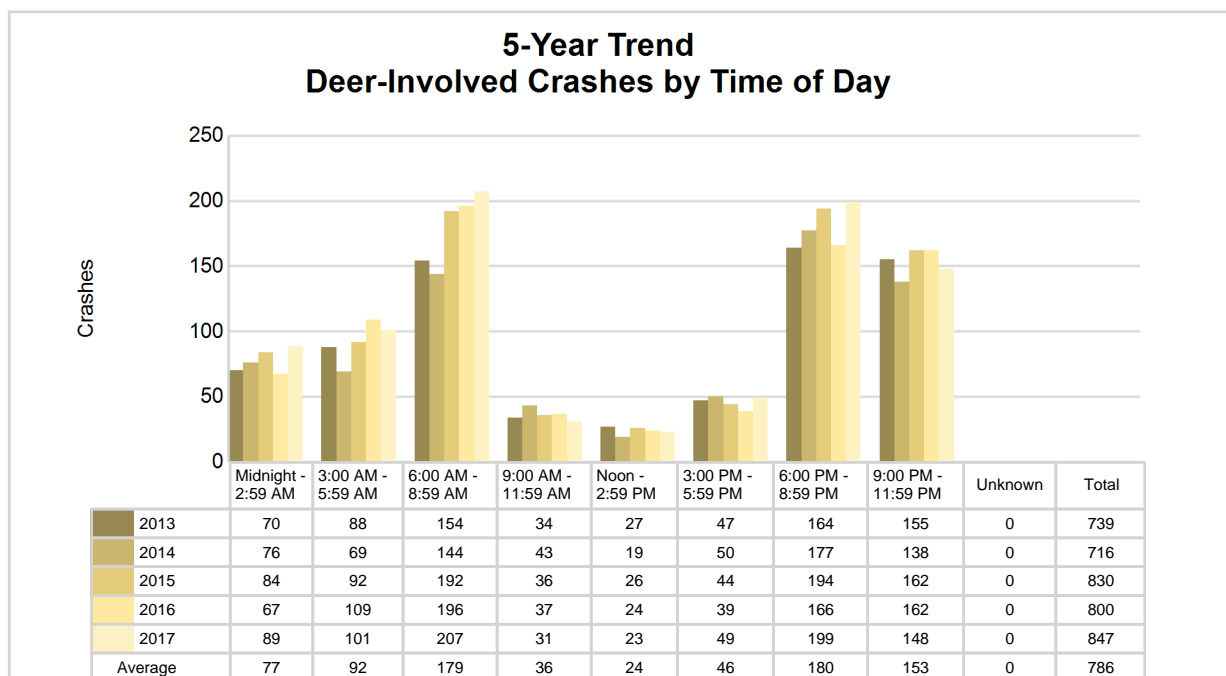
Time of Day	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	Number
Midnight - 2:59 AM	258	5.6	1	5.6	7	17	23	210
3:00 AM - 5:59 AM	227	5.0	2	11.1	4	14	20	187
6:00 AM - 8:59 AM	714	15.6	3	16.7	15	28	70	598
9:00 AM - 11:59 AM	571	12.5	1	5.6	15	27	55	473
Noon - 2:59 PM	733	16.0	5	27.8	15	43	97	573
3:00 PM - 5:59 PM	965	21.0	2	11.1	20	56	132	755
6:00 PM - 8:59 PM	704	15.4	3	16.7	19	30	64	588
9:00 PM - 11:59 PM	412	9.0	1	5.6	10	13	37	351
Unknown	1	0.0	0	0.0	0	0	0	1
Total	4,585	100.0	18	100.0	105	228	498	3,736



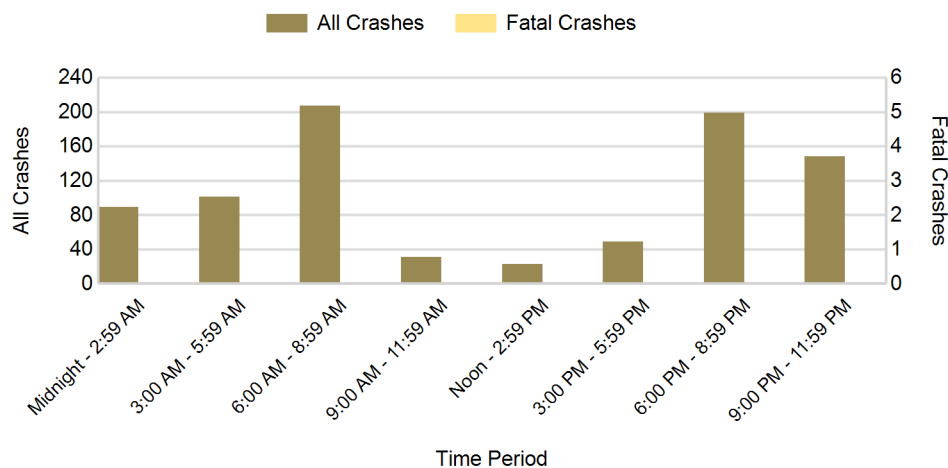
5-Year Trend - Deer-Involved Crashes by Time of Day

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	70	0	76	0	84	0	67	0	89	0
3:00 AM - 5:59 AM	88	0	69	0	92	0	109	0	101	0
6:00 AM - 8:59 AM	154	0	144	0	192	0	196	0	207	0
9:00 AM - 11:59 AM	34	0	43	0	36	0	37	0	31	0
Noon - 2:59 PM	27	0	19	0	26	0	24	0	23	0
3:00 PM - 5:59 PM	47	0	50	0	44	0	39	0	49	0
6:00 PM - 8:59 PM	164	0	177	0	194	0	166	0	199	0
9:00 PM - 11:59 PM	155	0	138	0	162	0	162	0	148	0
Unknown	0	0	0	0	0	0	0	0	0	0
Total	739	0	716	0	830	0	800	0	847	0

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



2017 Time and Severity of Deer-Involved Crashes



There were no fatal deer-involved crashes in Berrien County in 2017

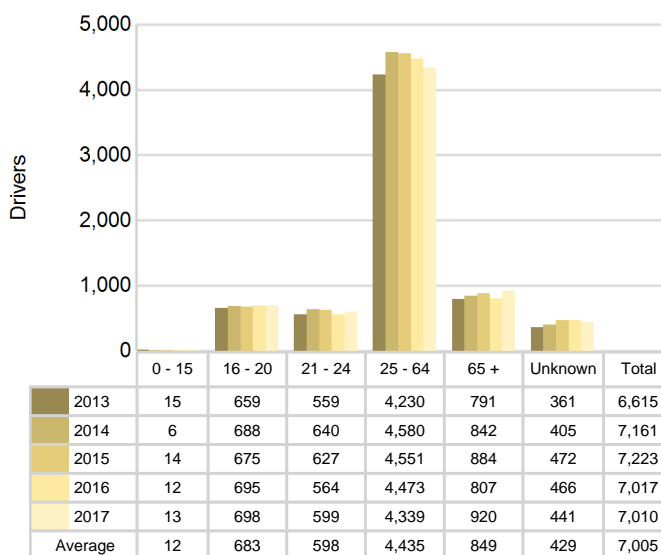
2017 - Reported Motor Vehicle Crashes by Municipality

Municipality	Crashes											Persons	
	Total	Fatal	Injury	Property Damage	Inter-state	US Route	State Route	Local Street	Alcohol-Involved	Drug-Involved	Deer-Involved	Fatalities	Injuries
Bainbridge Twp.	89	0	17	72	7	0	23	59	7	1	32	0	25
Baroda	7	0	1	6	0	0	0	7	0	0	1	0	1
Baroda Twp.	52	0	13	39	0	0	0	52	4	1	14	0	17
Benton Harbor	166	3	28	135	28	0	11	126	9	2	0	3	39
Benton Twp.	736	1	136	599	259	51	146	280	16	5	80	1	196
Berrien Springs	34	0	9	25	0	0	16	17	2	0	0	0	10
Berrien Twp.	113	1	23	89	0	27	34	52	3	1	46	1	32
Bertrand Twp.	180	1	40	139	0	116	10	53	8	4	64	1	62
Bridgman	60	0	10	50	39	0	0	21	3	0	4	0	13
Buchanan	84	0	10	74	0	0	0	84	5	1	5	0	12
Buchanan Twp.	74	1	19	54	0	0	0	74	6	2	37	1	23
Chikaming Twp.	110	0	17	93	63	0	0	47	5	2	26	0	21
Coloma	23	0	3	20	0	0	0	23	0	0	1	0	3
Coloma Twp.	124	2	15	107	75	0	0	49	5	0	22	2	22
Eau Claire	3	0	0	3	0	0	0	2	0	0	2	0	0
Galien	5	0	1	4	0	2	0	3	0	0	0	0	3
Galien Twp.	23	0	6	17	0	18	0	5	2	0	11	0	7
Grand Beach	15	0	0	15	0	8	0	7	2	0	2	0	0
Hagar Twp.	97	0	17	80	43	0	16	38	6	1	27	0	19
Lake Twp.	122	0	12	110	44	0	0	78	6	1	27	0	17
Lincoln Twp.	317	1	50	266	152	0	0	164	8	1	33	2	80
Michiana	2	0	0	2	0	0	0	2	0	0	0	0	0
New Buffalo	29	0	4	25	0	16	0	13	1	0	3	0	8
New Buffalo Twp.	206	1	38	167	125	28	11	40	10	0	46	1	53
Niles	304	1	64	239	0	0	145	159	13	3	14	1	82
Niles Twp.	389	2	75	312	0	84	166	137	7	4	103	2	111
Oronoko Twp.	164	1	29	134	0	37	42	84	7	2	56	2	45
Pipestone Twp.	75	0	8	67	0	0	23	52	3	1	41	0	8
Royalton Twp.	133	2	22	109	8	0	74	50	6	1	21	2	32
St. Joseph	220	0	36	184	39	0	91	90	6	1	7	0	48
St. Joseph Twp.	234	0	51	183	45	0	83	106	8	2	25	0	61
Shoreham	7	1	2	4	7	0	0	0	2	0	0	1	2
Sodus Twp.	133	0	28	105	23	34	12	64	3	1	38	0	37
Stevensville	63	0	8	55	33	0	0	30	2	1	7	0	9
Three Oaks	1	0	0	1	0	1	0	0	0	0	0	0	0
Three Oaks Twp.	12	0	2	10	0	5	0	7	0	0	4	0	3
Watervliet	21	0	3	18	0	0	12	9	1	0	1	0	4
Watervliet Twp.	111	0	23	88	44	0	23	44	5	6	33	0	37
Weesaw Twp.	47	0	11	36	0	0	0	47	1	1	14	0	15
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	4,585	18	831	3,736	1,034	427	938	2,175	172	45	847	20	1,157

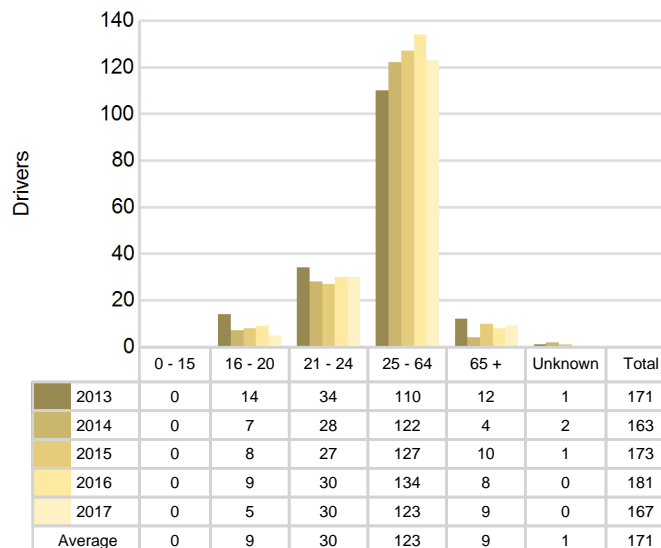
5-Year Trend - Drivers in Crashes Coded Drinking by Driver Age

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	15	0	6	0	14	0	12	0	13	0
16 - 20	659	14	688	7	675	8	695	9	698	5
21 - 24	559	34	640	28	627	27	564	30	599	30
25 - 64	4,230	110	4,580	122	4,551	127	4,473	134	4,339	123
65 +	791	12	842	4	884	10	807	8	920	9
Unknown	361	1	405	2	472	1	466	0	441	0
Total	6,615	171	7,161	163	7,223	173	7,017	181	7,010	167

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



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



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	0	0	0	0	0	0	0	0	0
16 - 20	8	12	4	5	1	2	2	0	0
21 - 24	36	39	27	30	0	5	5	13	7
25 - 64	181	138	106	123	1	17	26	51	28
65 +	20	20	8	9	0	2	2	4	1
Unknown	12	0	0	0	0	0	0	0	0
Total	257	209	145	167	2	26	35	68	36

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 257 drivers in alcohol-involved crashes; 167 (65.0%) of those drivers were coded as had-been-drinking by the officer on the crash form.

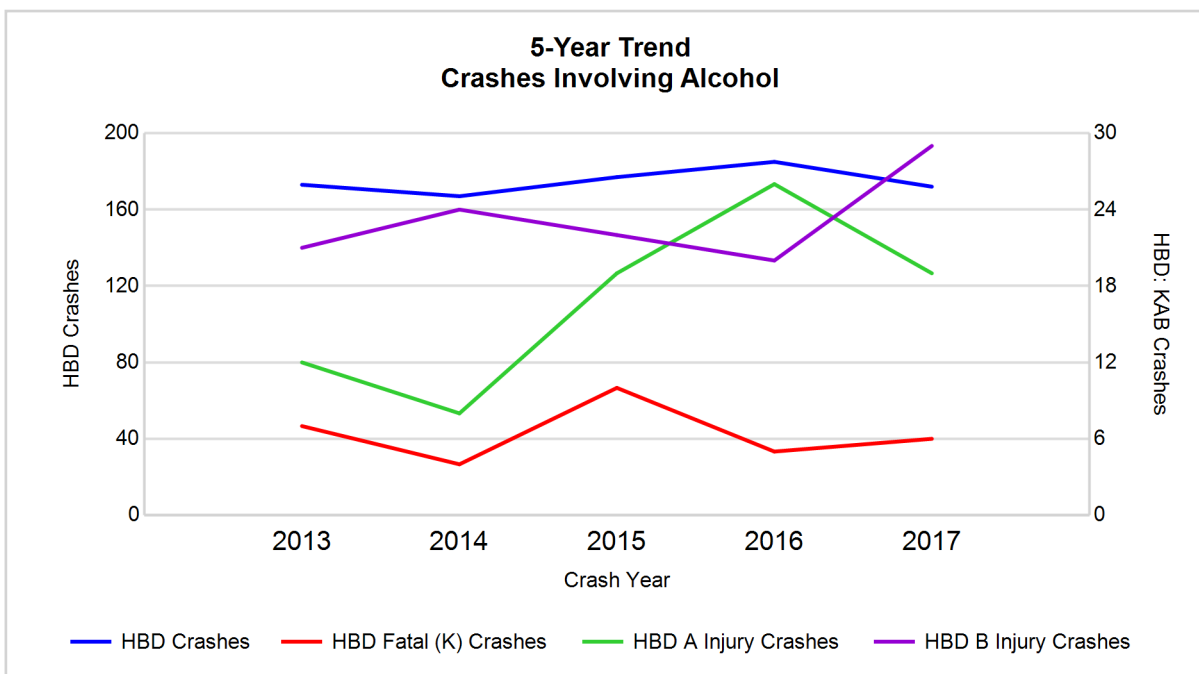
- 103 (61.7%) of the 167 drivers had a blood alcohol concentration (BAC) of 0.08 g/dL (grams per deciliter) or greater, and 68 (66.0%) of the 103 drivers had a BAC at or above 0.17 g/dL.
- 145 (86.8%) of the 167 drivers were coded as had-been-drinking and were tested for alcohol consumption.

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	4,379	173	4.0	25	7	28.0	63	12	19.0	184	21	11.4
2014	4,578	167	3.6	13	4	30.8	63	8	12.7	186	24	12.9
2015	4,712	177	3.8	17	10	58.8	71	19	26.8	172	22	12.8
2016	4,598	185	4.0	16	5	31.3	89	26	29.2	203	20	9.9
2017	4,585	172	3.8	18	6	33.3	105**	19	18.1	228**	29**	12.7

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



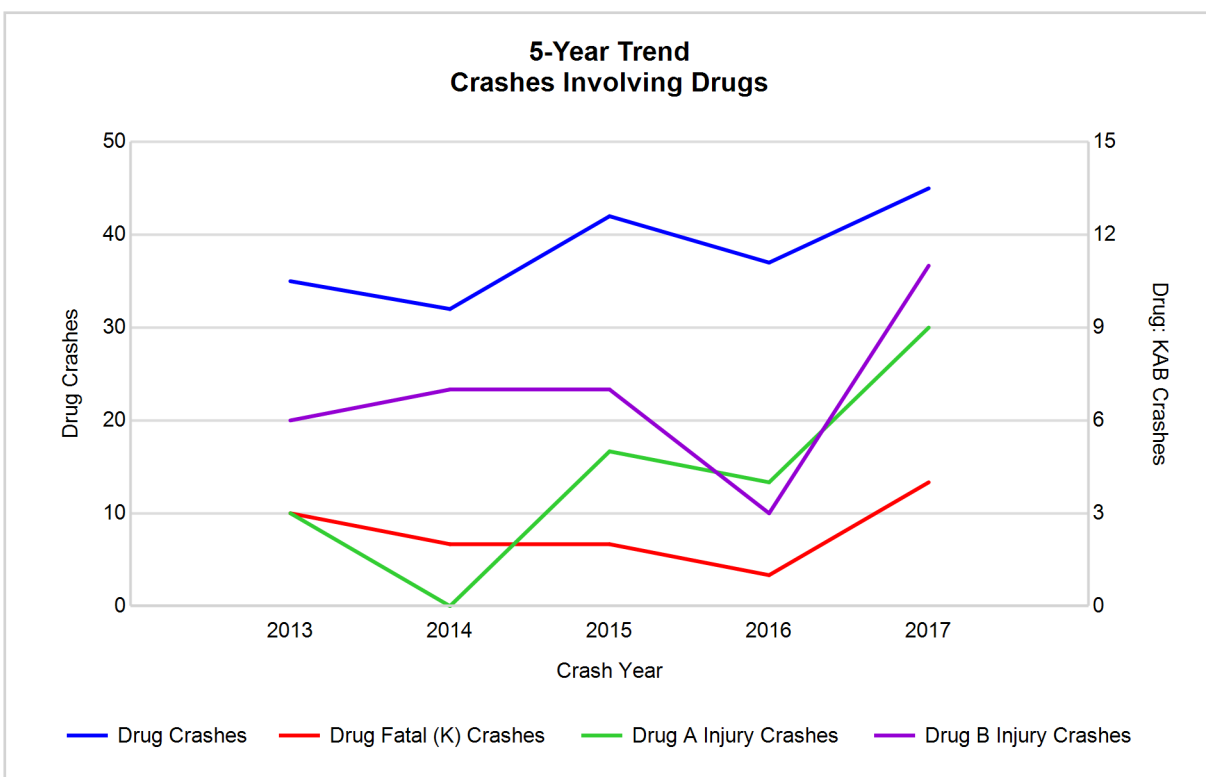
Note: Had-Been-Drinking (HBD)

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
2013	4,379	35	0.8	25	3	12.0	63	3	4.8	184	6	3.3
2014	4,578	32	0.7	13	2	15.4	63	0	0.0	186	7	3.8
2015	4,712	42	0.9	17	2	11.8	71	5	7.0	172	7	4.1
2016	4,598	37	0.8	16	1	6.3	89	4	4.5	203	3	1.5
2017	4,585	45**	1.0**	18	4**	22.2**	105**	9**	8.6**	228**	11**	4.8**

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

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

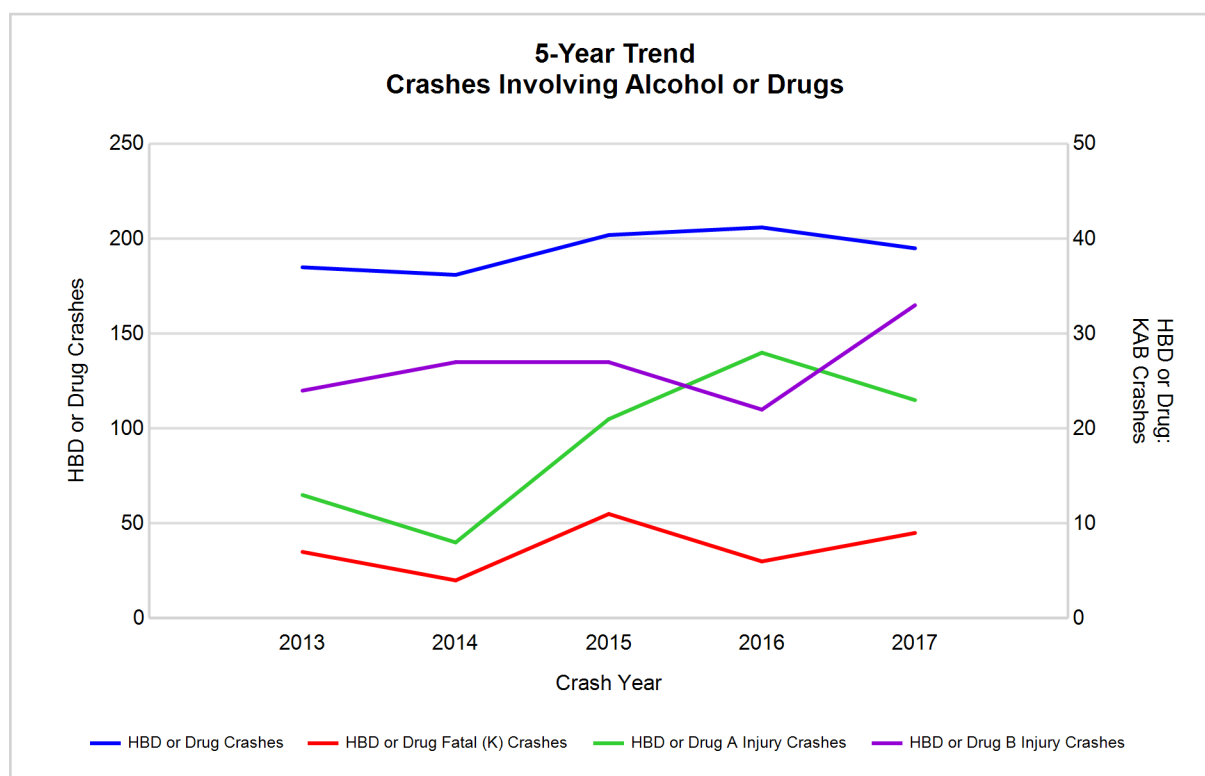


5-Year Trend - Crashes Involving Alcohol or Drugs

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	4,379	185	4.2	25	7	28.0	63	13	20.6	184	24	13.0
2014	4,578	181	4.0	13	4	30.8	63	8	12.7	186	27	14.5
2015	4,712	202	4.3	17	11	64.7	71	21	29.6	172	27	15.7
2016	4,598	206	4.5	16	6	37.5	89	28	31.5	203	22	10.8
2017	4,585	195	4.3	18	9	50.0	105**	23	21.9	228**	33**	14.5

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



Note: Had-Been-Drinking (HBD)

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	5,883	5,217	88.7	10	5	50.0	78	50	64.1	202	179	88.6	641	590	92.0	4,685	4,393	93.8
Motor home	11	9	81.8	1	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	9	9	100.0
Pickup truck	790	700	88.6	3	1	33.3	4	2	50.0	29	23	79.3	64	57	89.1	661	617	93.3
Small truck under 10,000 lbs. GVWR	67	62	92.5	0	0	0.0	1	1	100.0	3	3	100.0	7	6	85.7	55	52	94.5
Motorcycle	73	39	53.4	2	0	0.0	19	10	52.6	18	8	44.4	13	10	76.9	20	11	55.0
Moped / goped	9	2	22.2	0	0	0.0	2	1	50.0	3	1	33.3	2	0	0.0	2	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	2	1	50.0	0	0	0.0	1	1	100.0	0	0	0.0	0	0	0.0	1	0	0.0
Other	35	24	68.6	0	0	0.0	4	2	50.0	1	0	0.0	0	0	0.0	28	22	78.6
Truck/bus over 10,000 lbs.	291	270	92.8	0	0	0.0	1	1	100.0	8	7	87.5	18	14	77.8	255	248	97.3
Unknown	148	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Total	7,309	6,324	86.5	16	6	0.0	110	68	61.8	264	221	83.7	745	677	90.9	5,716	5,352	93.6

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.

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	84	71	84.5	1	0	0.0	5	5	100.0	13	11	84.6	54	47	87.0	11	8	72.7
16 - 20	749	697	93.1	0	0	0.0	13	9	69.2	40	35	87.5	86	79	91.9	609	574	94.3
21 - 24	618	563	91.1	1	0	0.0	2	1	50.0	27	19	70.4	73	67	91.8	512	476	93.0
25 - 64	4,466	4,104	91.9	12	5	41.7	74	42	56.8	147	121	82.3	434	395	91.0	3,788	3,541	93.5
65 +	951	889	93.5	2	1	50.0	16	11	68.8	37	35	94.6	98	89	90.8	796	753	94.6
Unknown	441	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Total	7,309	6,324	86.5	16	6	0.0	110	68	61.8	264	221	83.7	745	677	90.9	5,716	5,352	93.6

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.

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	45	1	6	35	0	2	37	0	4	25	0	5	10	0	1
Shoulder belt only used	10	0	1	3	0	0	6	0	0	51	0	9	51	1	11
Lap belt only used	31	0	3	32	0	5	35	0	4	23	0	5	14	0	0
Both lap & shoulder belts used	5,792	12	630	6,273	3	629	6,232	4	675	6,011	8	716	5,963	5	677
No belts used	72	3	20	66	3	20	62	0	19	55	0	22	64	3	27
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	2	0	0	5	0	0	0	0	0	2	0	0	7	0	0
Restraint use unknown	254	2	42	291	1	35	325	1	25	623	2	33	823	1	57
Helmet worn	31	1	23	27	0	21	32	2	20	35	0	31	39	0	28
Helmet not worn	27	0	22	20	2	14	21	2	14	27	0	22	31	1	20
Helmet use unknown	2	0	1	4	0	2	2	0	2	4	0	2	5	0	4
Uncoded & errors	349	0	2	405	0	0	471	0	0	161	0	1	3	0	0
Total	6,615	19	750	7,161	9	728	7,223	9	763	7,017	10	846	7,010	11	825

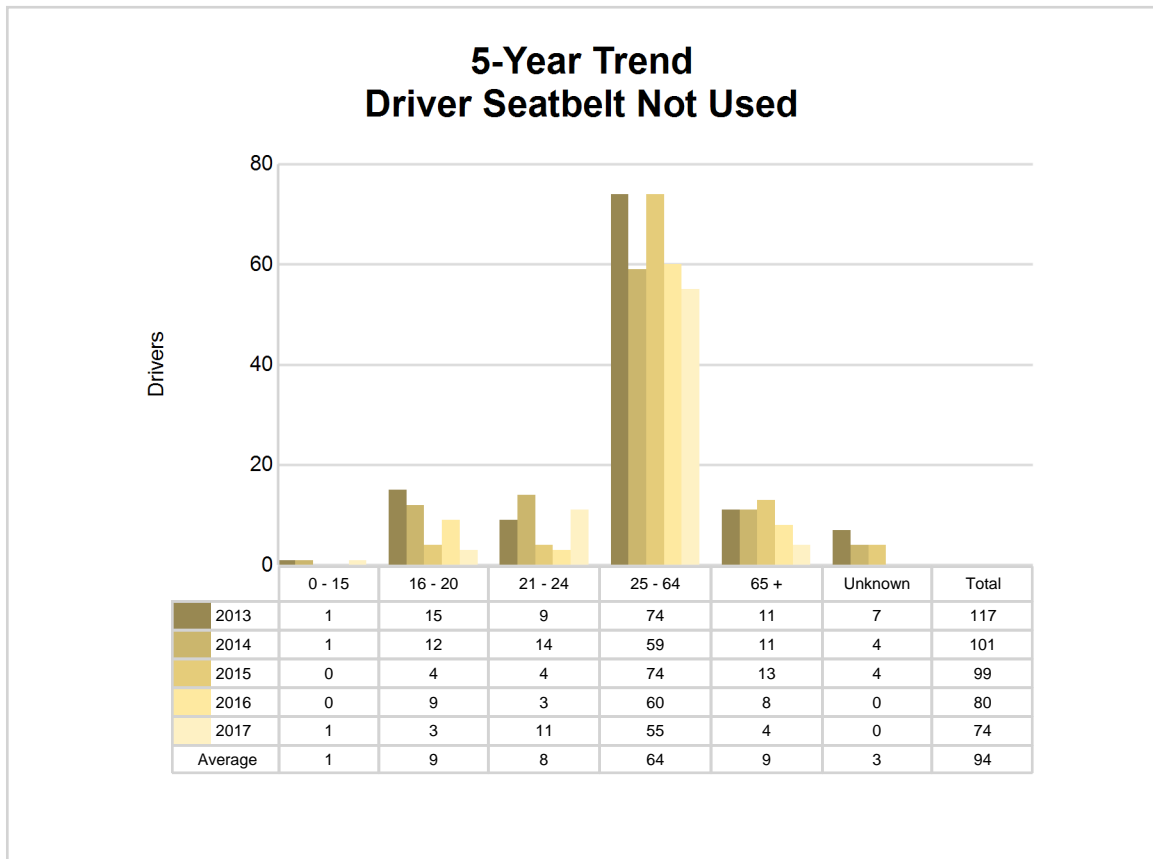
5-Year Trend - Restraint Use Among Drivers Coded Drinking

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	2	0	1	0	0	0	2	0	1	0	0	0	0	0	0
Shoulder belt only used	1	0	1	1	0	0	0	0	0	3	0	1	2	1	1
Lap belt only used	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Both lap & shoulder belts used	122	2	37	120	0	33	126	2	40	127	2	47	117	1	40
No belts used	10	2	6	8	0	5	15	0	8	14	0	10	13	2	7
Child restraint used	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Child restraint not used, unavailable or improper use	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Restraint failure	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Restraint use unknown	27	0	9	27	0	7	23	1	9	28	0	3	27	0	12
Helmet worn	2	0	2	2	0	2	4	1	2	0	0	0	2	0	2
Helmet not worn	5	0	4	4	1	2	2	0	1	9	0	8	5	1	4
Helmet use unknown	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Uncoded & errors	1	0	0	1	0	0	1	0	0	0	0	0	0	0	0
Total	171	4	60	163	1	49	173	4	61	181	2	69	167	5	67

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	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0
16 - 20	15	1	3	12	0	5	4	0	1	9	0	4	3	0	0
21 - 24	9	0	5	14	1	3	4	0	0	3	0	1	11	1	5
25 - 64	74	2	16	59	2	12	74	0	19	60	0	20	55	2	21
65 +	11	1	2	11	0	2	13	0	3	8	0	2	4	0	2
Unknown	7	0	0	4	0	0	4	0	0	0	0	0	0	0	0
Total	117	4	26	101	3	22	99	0	23	80	0	27	74	3	28

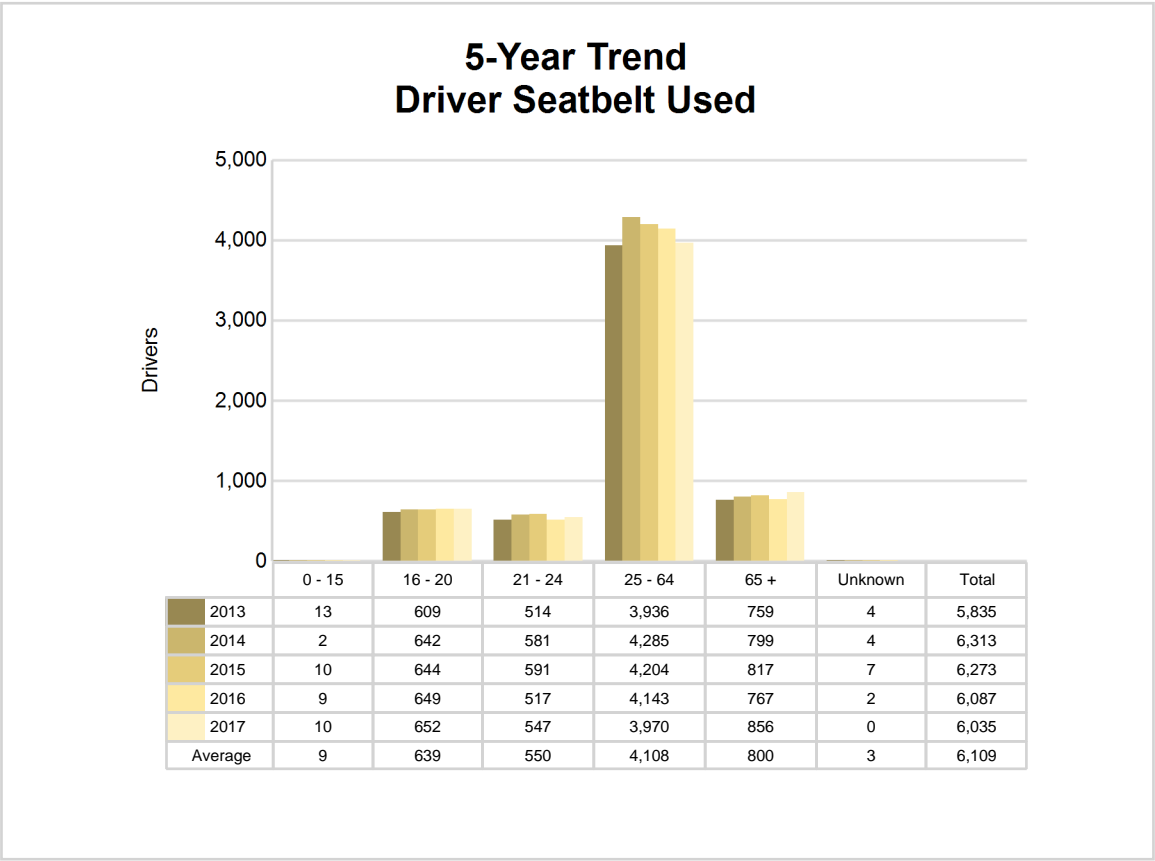
Note: Seatbelt Not Used includes no belts available or no belts used.



5-Year Trend - Seatbelt Used Among Drivers by Age

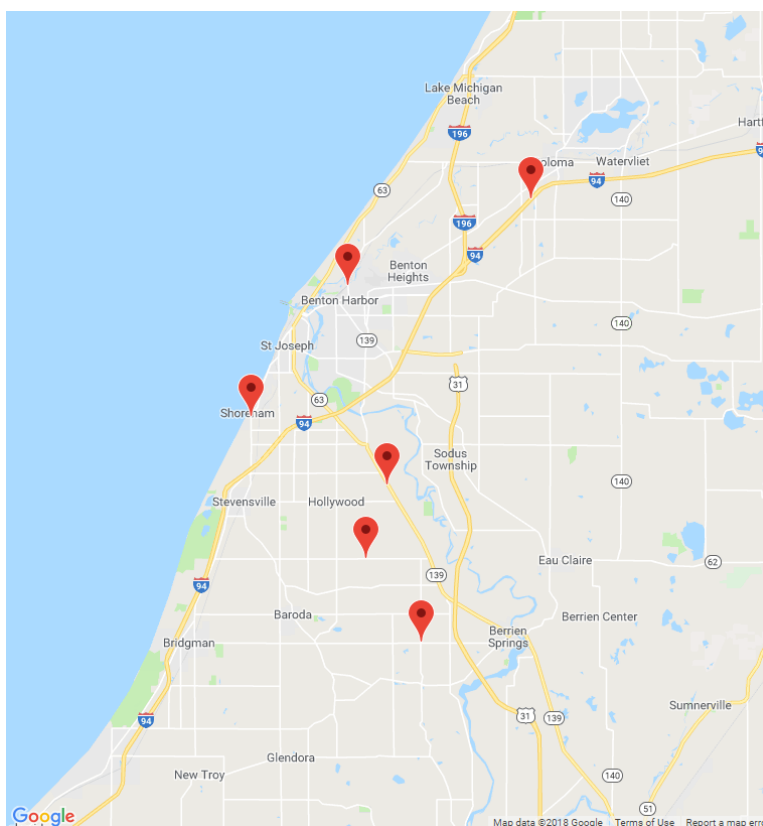
Age Group	2013			2014			2015			2016			2017		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
0 - 15	13	0	2	2	0	0	10	0	4	9	0	2	10	0	2
16 - 20	609	2	62	642	1	52	644	0	73	649	1	84	652	0	78
21 - 24	514	1	65	581	0	76	591	2	73	517	0	63	547	0	72
25 - 64	3,936	2	400	4,285	2	430	4,204	1	424	4,143	4	485	3,970	5	434
65 +	759	7	105	799	0	76	817	1	105	767	3	96	856	1	102
Unknown	4	0	0	4	0	0	7	0	0	2	0	0	0	0	0
Total	5,835	12	634	6,313	3	634	6,273	4	679	6,087	8	730	6,035	6	688

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	3,340	20	3,709	9	3,742	8	3,531	12	3,534	8
Speed too fast	964	3	855	2	907	2	849	2	790	1
Speed too slow	13	0	11	0	14	0	9	0	9	1
Failed to yield	551	2	682	3	611	2	649	3	703	3
Disregard traffic control	112	2	113	1	110	0	108	1	90	0
Drove wrong way	2	0	4	0	8	0	5	0	2	0
Drove left of center	34	0	57	1	45	0	44	2	35	0
Improper passing	34	0	46	0	40	1	33	0	25	0
Improper lane use	84	0	86	0	94	0	96	0	83	0
Improper turn	42	0	56	0	56	0	47	0	53	0
Improper/no signal	16	1	18	0	7	0	13	0	6	0
Improper backing	107	0	115	0	128	0	114	0	105	1
Unable to stop in assured clear distance	625	3	691	1	727	1	667	1	674	0
Other	311	3	315	0	318	4	287	2	263	3
Unknown	135	5	167	1	180	1	268	1	370	3
Reckless driving	44	0	32	1	34	2	39	1	49	1
Careless/negligent driving	199	3	203	1	202	3	257	2	218	4
Uncoded & errors	2	0	1	0	0	0	1	0	1	0
Total	6,615	42	7,161	20	7,223	24	7,017	27	7,010	25



The picture above represents all 2017 alcohol-involved fatal crashes in Berrien County.

In 2017, there were 172 alcohol-involved crashes in Berrien County:

- 6 K - Fatal Crashes
- 19 A - Suspected Serious Injury Crashes
- 29 B - Suspected Minor Injury Crashes
- 35 C - Possible Injury Crashes
- 83 O - Property Damage Only/No Injury Crashes

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