



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

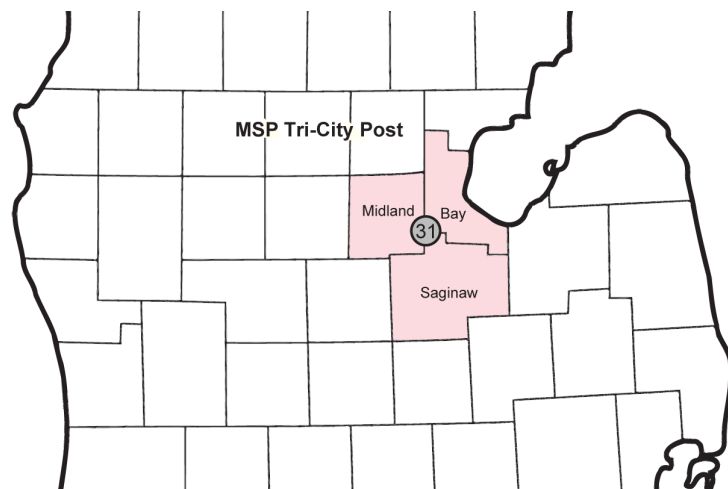
Property Damage Only (PDO)



Michigan State Police (MSP) Post 31 - Bay City (Tri-City)

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

Post 31 is comprised of Bay, Midland, and Saginaw 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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MSP Post 31 - Bay City (Tri-City)

- There were 11,311 crashes in Post 31 during 2017. [Page 1]
- A total of 45 fatalities resulted from 42 fatal crashes in 2017 in Post 31. [Page 1]
- There were 2,817 injuries and 2,019 injury crashes. [Page 1]
- There were 9,250 property damage only crashes (no fatalities or injuries). [Page 1]
- December had the highest number of crashes (1,526). [Pages 1-2]
- July had the highest number of fatal crashes (7) and fatalities (7). [Pages 1-2]
- October had the highest number of injury crashes (200) and injuries (294). [Page 1]
- December had the highest number of property damage only crashes (1,338). [Page 1]
- Of all vehicles involved in fatal crashes, 9 (12.7%) were motorcycles. [Page 1]
- Thursday was the day of the week with the highest number of crashes (1,784) and Saturday and Friday had the highest number of fatal crashes (8). [Pages 2-3]
- The 3:00 PM - 5:59 PM time period had the highest number of crashes (2,328). This holds true for every year between 2013 and 2017. The 3:00 PM - 5:59 PM time period had the highest number of fatal crashes (10). [Pages 5-6]
- During the period from 2013 to 2017, the highest number of deer crashes occurred in 2017 (2,514). The 6:00 PM - 8:59 PM time period had the highest number of deer-involved crashes. There were 2 fatal crashes involving deer in 2017. [Pages 7-8]
- Saginaw County (49.0%) had the highest number of crashes in Post 31 in 2017, followed by Bay County (27.0%), and Midland County (24.0%). [Page 8]
- Saginaw County (48.9%) had the highest number of fatalities in Post 31 in 2017, followed by Midland County (40.0%), and Bay County (11.1%). [Page 8]
- The highest number of drivers in crashes (18,396) occurred during 2016 and the highest number of drivers coded drinking in crashes (426) occurred during 2017 within the five year period between 2013 and 2017. [Page 9]
- A total of 432 crashes involved alcohol in 2017. [Page 10]
- Alcohol-involved fatal crashes were the highest in 2015 during the five-year period from 2013 to 2017 at 21. [Page 10]
- A total of 121 crashes, 11 fatal crashes, and 7 suspected serious injury crashes involved drugs in 2017. [Page 11]
- There were 16,441 drivers wearing seatbelts and 206 drivers not wearing seatbelts in crashes in 2017. Of the 206 drivers not wearing seat belts, 10 (4.9%) were killed and 64 (31.1%) were injured. [Pages 14-16]
- The most common hazardous action coded for drivers in 2017 in all crashes was unable to stop in assured clear distance (2,014), while the most common hazardous action coded for drivers in fatal crashes was failed to yield (9). [Page 17]

MSP Post 31 - Bay City (Tri-City) (continued)

Post 31 Experience

In 2017:

There were 18,056 drivers involved in 11,311 motor vehicle crashes in MSP Post 31. Of those crashes, 42 were classified as fatal, resulting in 45 fatalities. An additional 2,817 persons were injured.

Post 31 experienced the highest number of motor vehicle crashes (1,526) in December, the highest number of fatal crashes (7) and the highest number of persons killed (7) in July.

Michigan driver statistics indicate 6.5 percent of licensed drivers in Post 31 were age 16-20, and 12.5 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	993	1	160	832	1	215
February	621	1	121	499	1	159
March	924	4	166	754	4	237
April	751	2	148	601	2	205
May	836	4	167	665	5	235
June	862	2	186	674	3	255
July	859	7	182	670	7	253
August	799	3	162	634	3	233
September	849	4	178	667	5	257
October	1,154	4	200	950	4	294
November	1,137	5	166	966	5	236
December	1,526	5	183	1,338	5	238
Total	11,311	42	2,019	9,250	45	2,817

2017 - Driver Statistics

Age Group	Post 31			Driver Rates	
	2017 Population	Licensed Drivers	Drivers in Crashes	Per 10k Population	Per 10k Licensed
0 - 15	70,503	2,142	32	4.5	149.4
16 - 20	24,379	18,258	2,264	928.7	1,240.0
21 - 24	19,299	17,127	1,773	918.7	1,035.2
25 - 64	193,789	177,651	10,786	556.6	607.1
65 +	71,614	63,922	2,228	311.1	348.5
Unknown	0	0	973	--	--
Total	379,584	279,100	18,056	475.7	646.9

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	14,429	79.9	47	66.2	2,870	11,512
Motor home	60	0.3	0	0.0	11	49
Pickup truck	2,696	14.9	13	18.3	485	2,198
Small truck under 10,000 lbs. GVWR	95	0.5	2	2.8	13	80
Motorcycle	117	0.6	9	12.7	86	22
Moped / goped	10	0.1	0	0.0	10	0
Go-cart / golf cart	1	0.0	0	0.0	0	1
Snowmobile	0	0.0	0	0.0	0	0
Off-Road Vehicle - ORV / All-Terrain Vehicle - ATV	4	0.0	0	0.0	4	0
Other	114	0.6	0	0.0	22	92
Truck/bus over 10,000 lbs.	282	1.6	0	0.0	69	213
Unknown	248	1.4	0	0.0	18	230
Total	18,056	100.0	71	100.0	3,588	14,397

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	1,034	3	1,227	3	1,183	1	1,076	2	993	1
February	993	1	999	2	786	2	1,051	2	621	1
March	819	4	807	1	767	2	867	0	924	4
April	770	2	619	3	701	4	744	1	751	2
May	865	5	743	0	799	4	767	1	836	4
June	751	4	814	5	852	4	890	3	862	2
July	714	2	707	1	757	9	851	1	859	7
August	757	4	698	4	746	1	820	3	799	3
September	838	4	847	0	839	2	894	2	849	4
October	1,034	2	1,094	0	1,137	2	1,063	2	1,154	4
November	1,295	1	1,222	2	1,184	7	1,132	3	1,137	5
December	1,314	2	838	2	1,002	4	1,253	3	1,526	5
Total	11,184	34	10,615	23	10,753	42	11,408	23	11,311	42

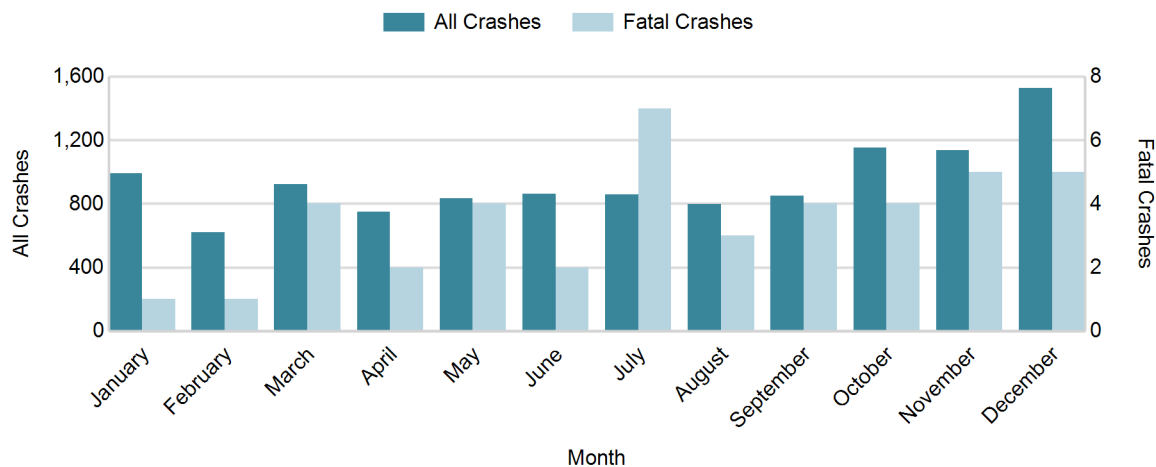
Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred in the same month

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	1,759	5	1,413	3	1,579	3	1,700	2	1,648	4
Tuesday	1,715	2	1,612	4	1,655	10	1,718	3	1,783	7
Wednesday	1,606	4	1,768	1	1,676	5	1,872	3	1,739	6
Thursday	1,739	2	1,576	2	1,579	4	1,602	3	1,784	3
Friday	1,813	5	1,812	4	1,632	8	1,809	8	1,684	8
Saturday	1,326	10	1,296	5	1,422	6	1,426	1	1,466	8
Sunday	1,226	6	1,138	4	1,210	6	1,281	3	1,207	6
Total	11,184	34	10,615	23	10,753	42	11,408	23	11,311	42

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

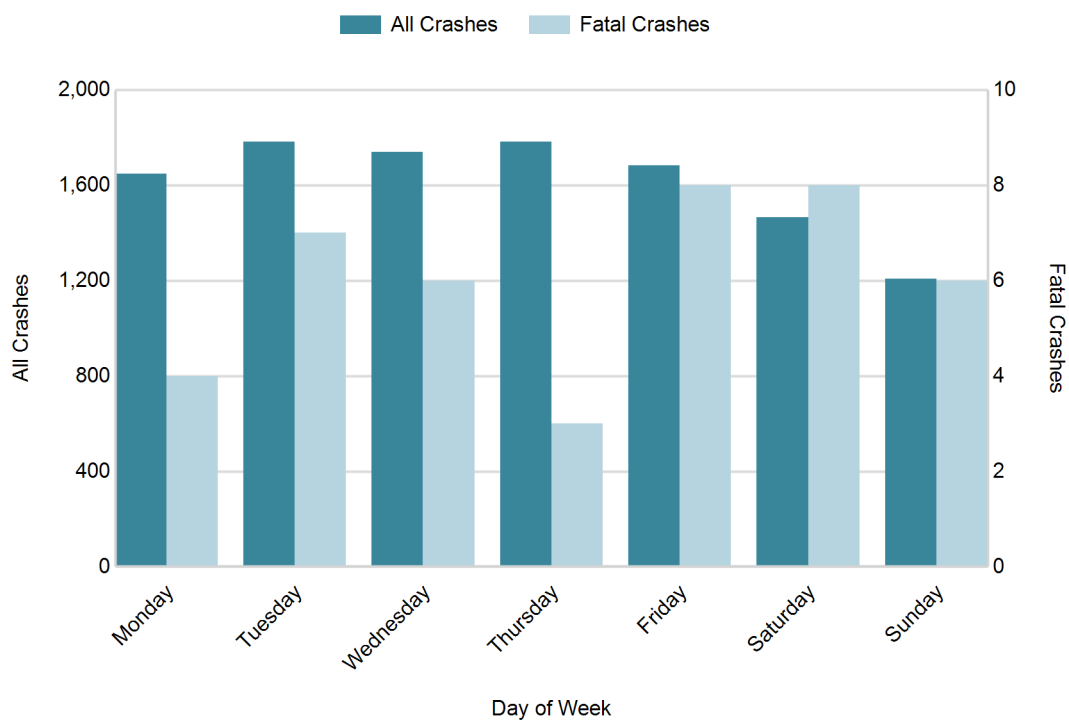


MSP Post 31 - Bay City (Tri-City) (continued)

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	1,648	14.6	4	9.5	23	81	186	1,354
Tuesday	1,783	15.8	7	16.7	21	94	213	1,448
Wednesday	1,739	15.4	6	14.3	22	77	221	1,413
Thursday	1,784	15.8	3	7.1	26	71	208	1,476
Friday	1,684	14.9	8	19.0	25	91	174	1,386
Saturday	1,466	13.0	8	19.0	39	65	156	1,198
Sunday	1,207	10.7	6	14.3	28	68	130	975
Total	11,311	100.0	42	100.0	184	547	1,288	9,250

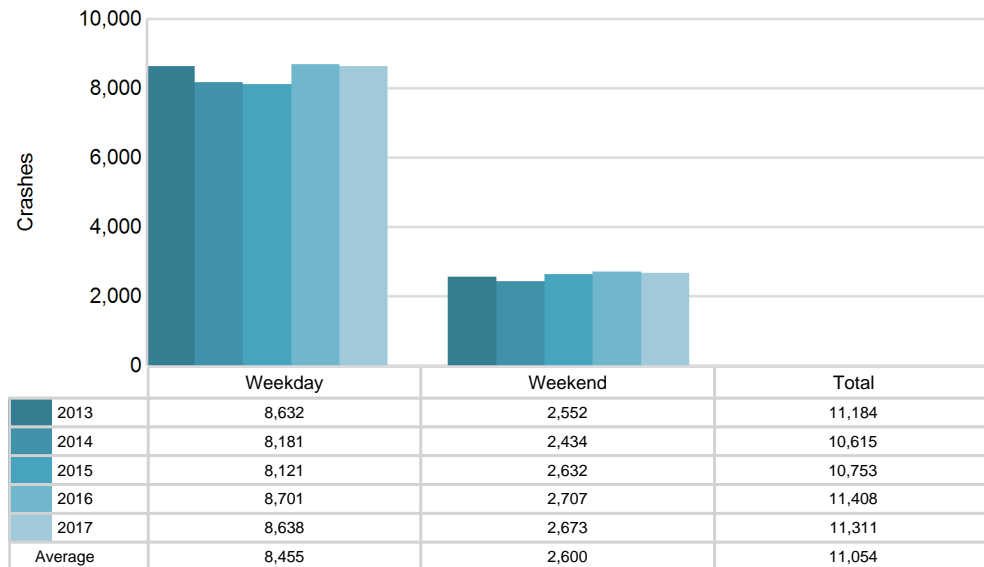
2017 Day of Week and Severity



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	8,632	18	8,181	14	8,121	30	8,701	19	8,638	28
Weekend	2,552	16	2,434	9	2,632	12	2,707	4	2,673	14
Total	11,184	34	10,615	23	10,753	42	11,408	23	11,311	42

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

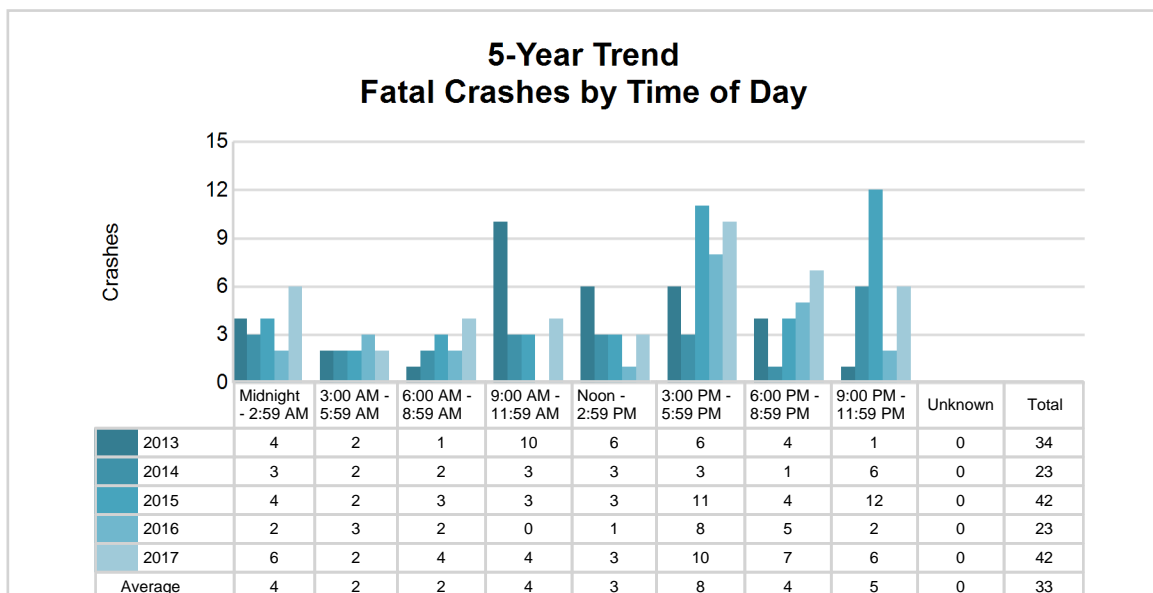
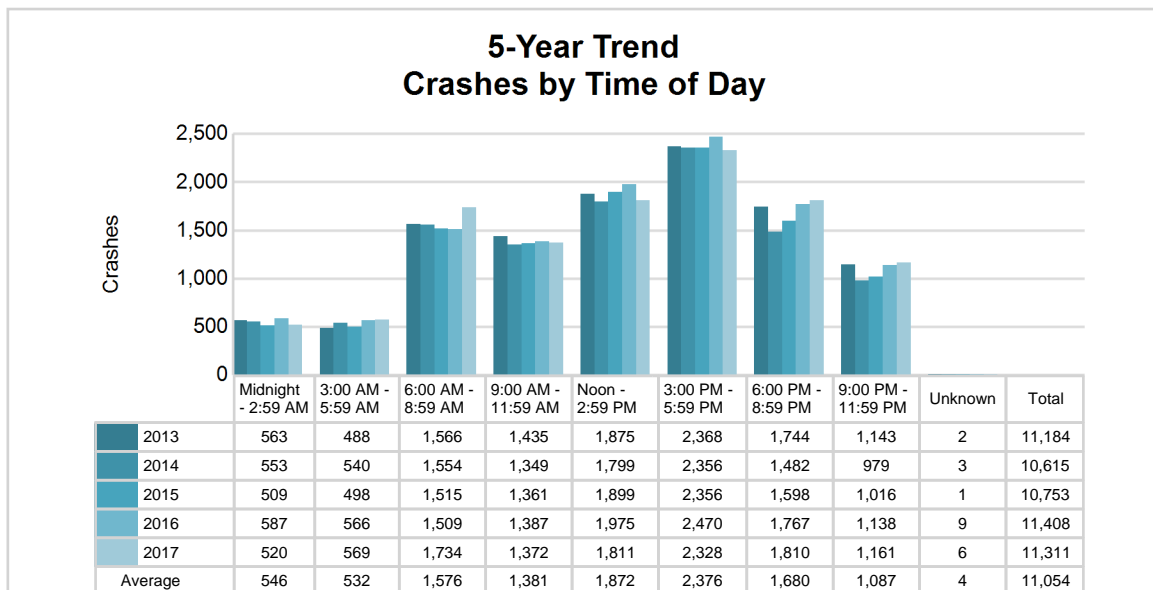


MSP Post 31 - Bay City (Tri-City) (continued)

5-Year Trend - Crashes by Time of Day

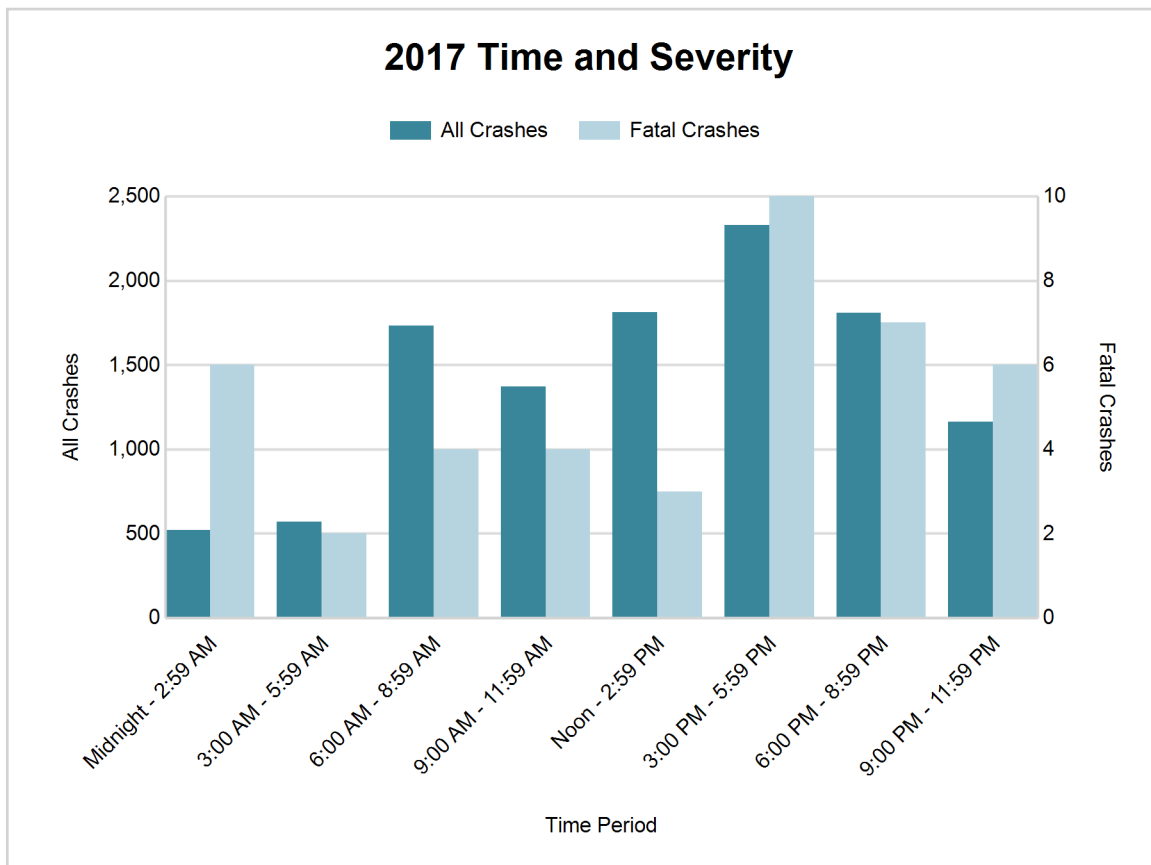
Time of Day	2013		2014		2015		2016		2017	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	563	4	553	3	509	4	587	2	520	6
3:00 AM - 5:59 AM	488	2	540	2	498	2	566	3	569	2
6:00 AM - 8:59 AM	1,566	1	1,554	2	1,515	3	1,509	2	1,734	4
9:00 AM - 11:59 AM	1,435	10	1,349	3	1,361	3	1,387	0	1,372	4
Noon - 2:59 PM	1,875	6	1,799	3	1,899	3	1,975	1	1,811	3
3:00 PM - 5:59 PM	2,368 †	6	2,356 †	3	2,356 †	11	2,470 †	8	2,328 †	10
6:00 PM - 8:59 PM	1,744	4	1,482	1	1,598	4	1,767	5	1,810	7
9:00 PM - 11:59 PM	1,143	1	979	6	1,016	12	1,138	2	1,161	6
Unknown	2	0	3	0	1	0	9	0	6	0
Total	11,184	34	10,615	23	10,753	42	11,408	23	11,311	42

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	520	4.6	6	14.3	13	31	56	414
3:00 AM - 5:59 AM	569	5.0	2	4.8	11	24	36	496
6:00 AM - 8:59 AM	1,734	15.3	4	9.5	13	80	177	1,460
9:00 AM - 11:59 AM	1,372	12.1	4	9.5	33	64	154	1,117
Noon - 2:59 PM	1,811	16.0	3	7.1	31	106	254	1,417
3:00 PM - 5:59 PM	2,328	20.6	10	23.8	38	115	344	1,821
6:00 PM - 8:59 PM	1,810	16.0	7	16.7	23	77	184	1,519
9:00 PM - 11:59 PM	1,161	10.3	6	14.3	22	50	83	1,000
Unknown	6	0.1	0	0.0	0	0	0	6
Total	11,311	100.0	42	100.0	184	547	1,288	9,250

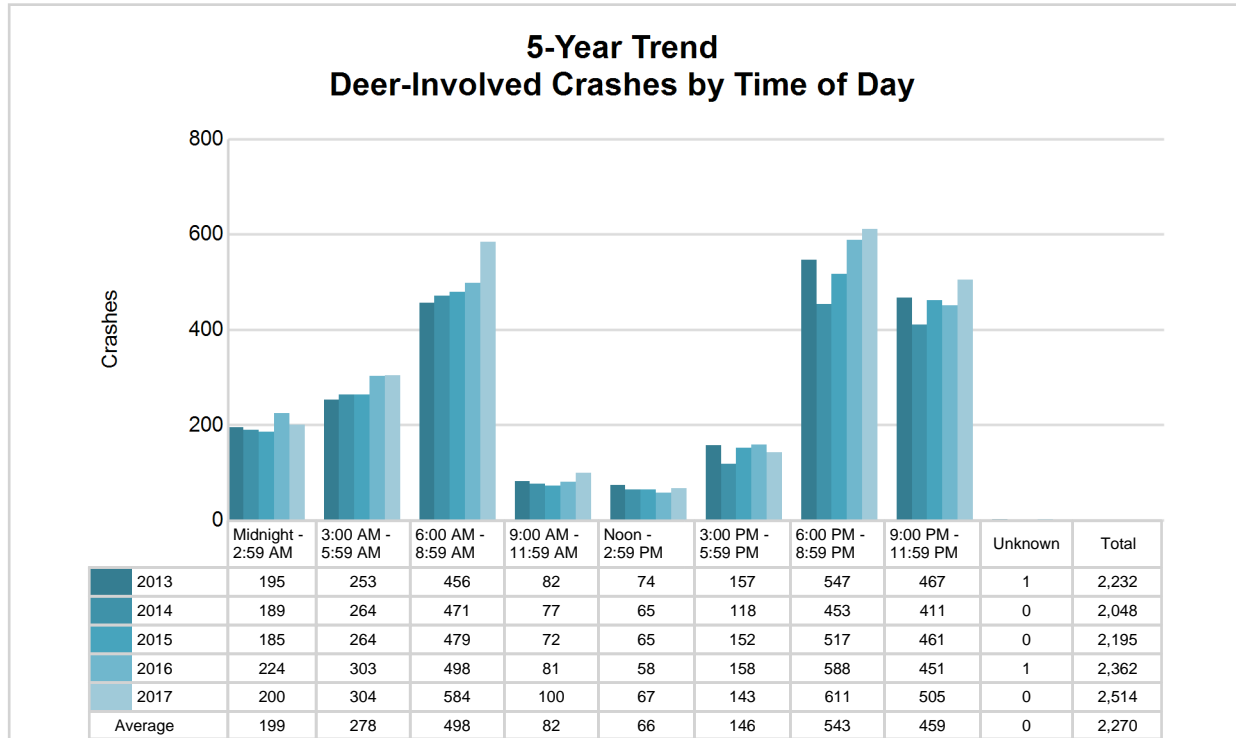


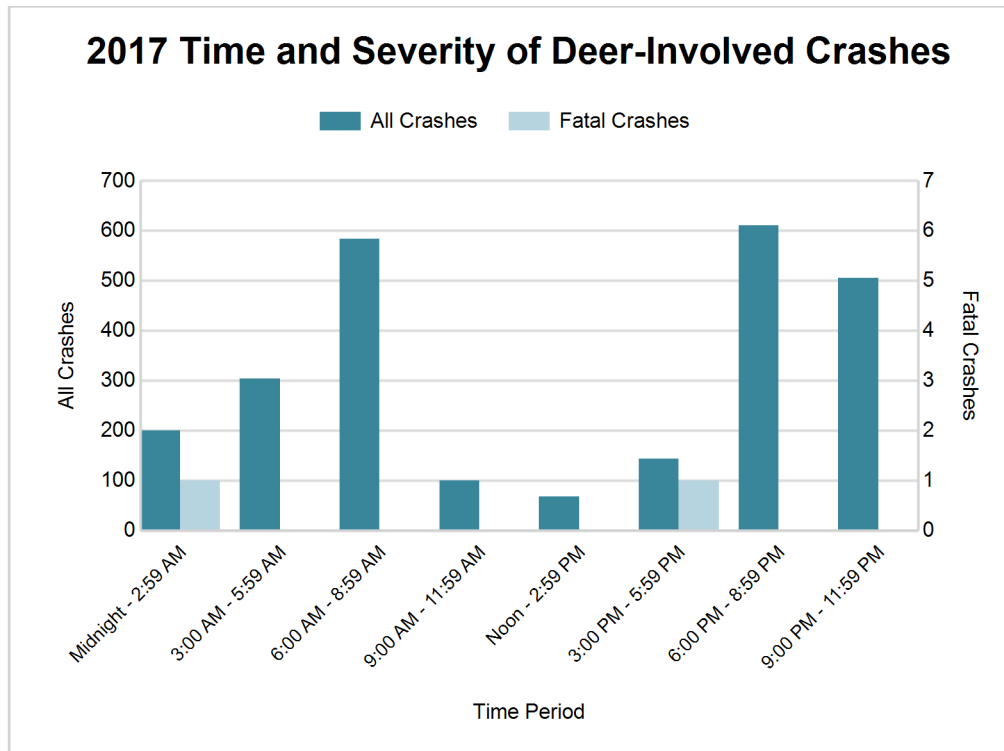
MSP Post 31 - Bay City (Tri-City) (continued)

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	195	0	189	1	185	0	224	0	200	1
3:00 AM - 5:59 AM	253	0	264	0	264	0	303	0	304	0
6:00 AM - 8:59 AM	456	0	471	0	479	0	498	1	584	0
9:00 AM - 11:59 AM	82	0	77	0	72	0	81	0	100	0
Noon - 2:59 PM	74	0	65	0	65	0	58	0	67	0
3:00 PM - 5:59 PM	157	0	118	0	152	0	158	0	143	1
6:00 PM - 8:59 PM	547	0	453	0	517	0	588	0	611	0
9:00 PM - 11:59 PM	467	0	411	0	461	0	451	1	505	0
Unknown	1	0	0	0	0	0	1	0	0	0
Total	2,232	0	2,048	1	2,195	0	2,362	2	2,514	2

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





2017 - Reported Motor Vehicle Crashes by County

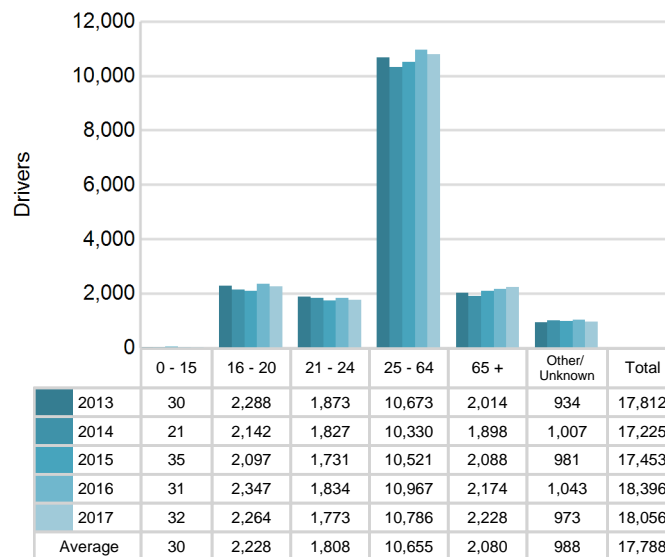
County	Crashes											Persons	
	Total	Fatal	Injury	Property Damage	Inter-state	US Route	State Route	Local Street	Alcohol-Involved	Drug-Involved	Deer-Involved	Fatalities	Injuries
Bay	3,052	5	564	2,483	358	174	932	1,585	149	38	563	5	765
Midland	2,714	16	435	2,263	0	397	495	1,820	79	23	952	18	605
Saginaw	5,545	21	1,020	4,504	551	0	1,988	2,999	204	60	999	22	1,447
Total	11,311	42	2,019	9,250	909	571	3,415	6,404	432	121	2,514	45	2,817

MSP Post 31 - Bay City (Tri-City) (continued)

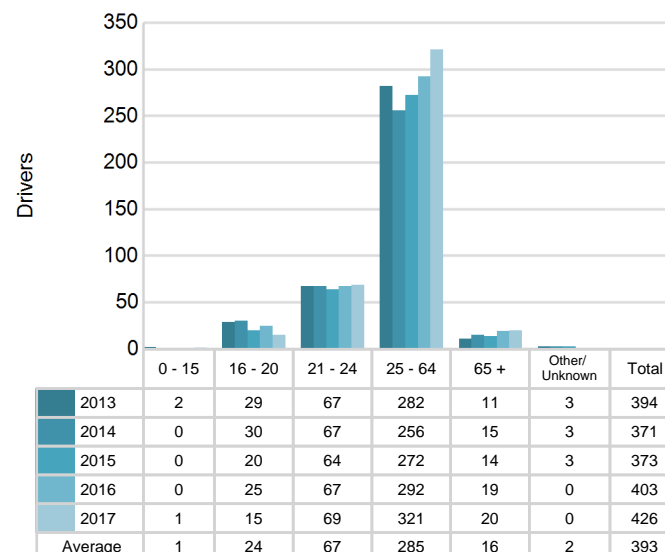
5-Year Trend - Drivers in Crashes Coded Drinking by Driver Age

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	30	2	21	0	35	0	31	0	32	1
16 - 20	2,288	29	2,142	30	2,097	20	2,347	25	2,264	15
21 - 24	1,873	67	1,827	67	1,731	64	1,834	67	1,773	69
25 - 64	10,673	282	10,330	256	10,521	272	10,967	292	10,786	321
65 +	2,014	11	1,898	15	2,088	14	2,174	19	2,228	20
Unknown	934	3	1,007	3	981	3	1,043	0	973	0
Total	17,812	394	17,225	371	17,453	373	18,396	403	18,056	426

**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	1	2	1	1	0	0	0	1	0
16 - 20	32	23	12	15	0	0	8	2	5
21 - 24	89	73	60	69	1	5	23	14	26
25 - 64	396	308	264	321	3	13	78	85	142
65 +	34	27	16	20	0	4	5	4	7
Unknown	25	0	0	0	0	0	0	0	0
Total	577	433	353	426	4	22	114	106	180

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 577 drivers in alcohol-involved crashes; 426 (73.8%) of those drivers were coded as had-been-drinking by the officer on the crash form.

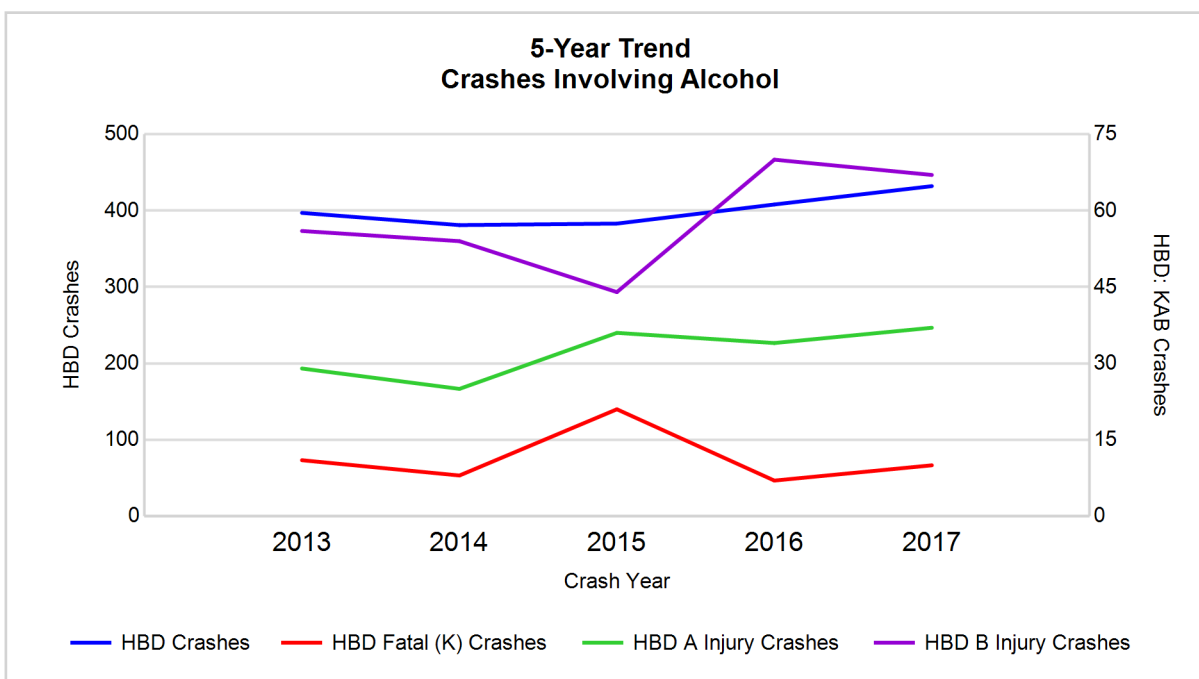
- 220 (51.6%) of the 426 drivers had a blood alcohol concentration (BAC) of 0.08 g/dL (grams per deciliter) or greater, and 106 (48.2%) of the 220 drivers had a BAC at or above 0.17 g/dL.
- 353 (82.9%) of the 426 drivers were coded as had-been-drinking and were tested for alcohol consumption.

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	11,184	397	3.5	34	11	32.4	156	29	18.6	465	56	12.0
2014	10,615	381	3.6	23	8	34.8	133	25	18.8	423	54	12.8
2015	10,753	383	3.6	42	21	50.0	152	36	23.7	468	44	9.4
2016	11,408	408	3.6	23	7	30.4	191	34	17.8	522	70	13.4
2017	11,311	432**	3.8**	42	10	23.8*	184	37**	20.1	547**	67	12.2

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)

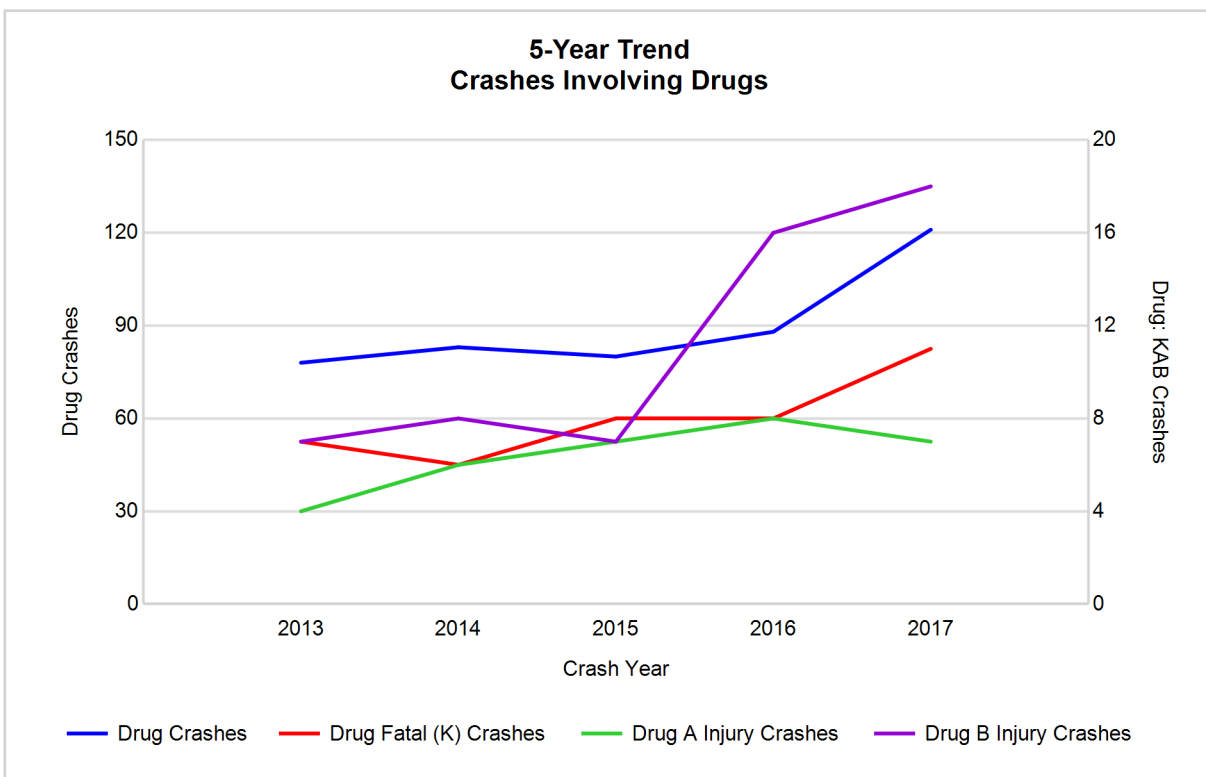
MSP Post 31 - Bay City (Tri-City) (continued)

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	11,184	78	0.7	34	7	20.6	156	4	2.6	465	7	1.5
2014	10,615	83	0.8	23	6	26.1	133	6	4.5	423	8	1.9
2015	10,753	80	0.7	42	8	19.0	152	7	4.6	468	7	1.5
2016	11,408	88	0.8	23	8	34.8	191	8	4.2	522	16	3.1
2017	11,311	121**	1.1**	42	11**	26.2	184	7	3.8	547**	18**	3.3**

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

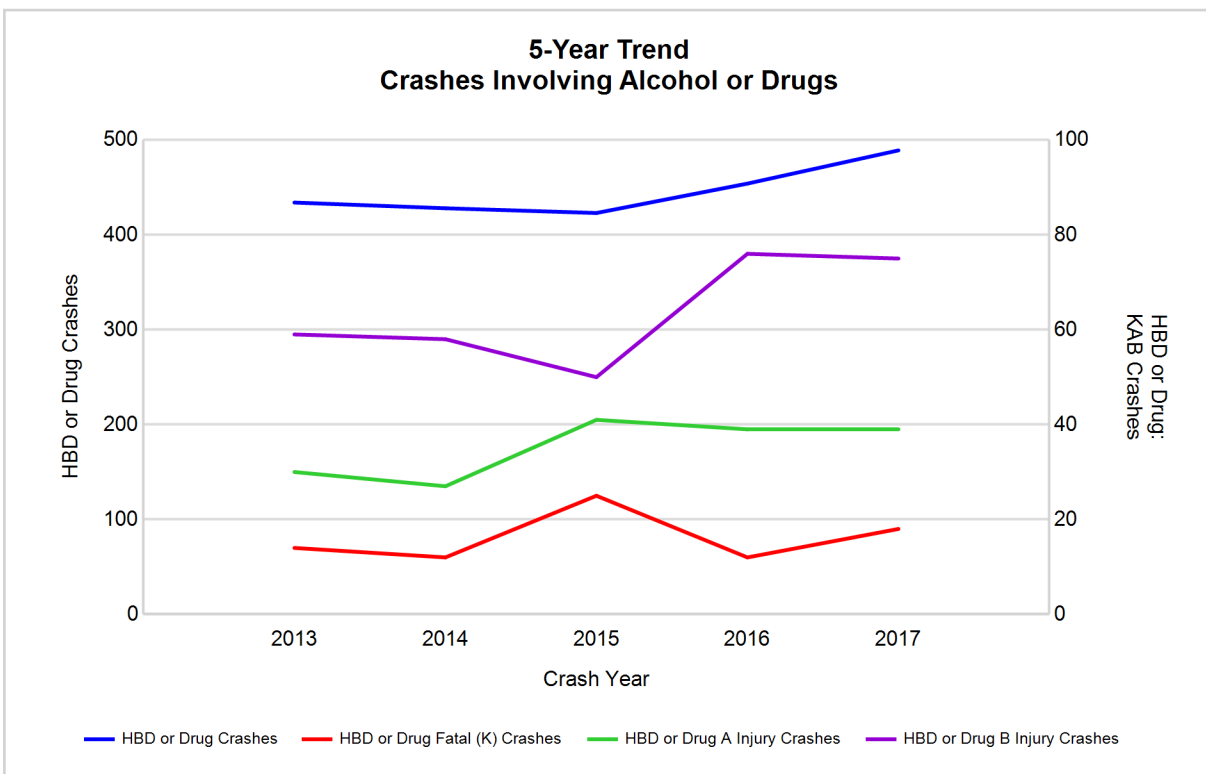


5-Year Trend - Crashes Involving Alcohol or Drugs

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	11,184	434	3.9	34	14	41.2	156	30	19.2	465	59	12.7
2014	10,615	428	4.0	23	12	52.2	133	27	20.3	423	58	13.7
2015	10,753	423	3.9	42	25	59.5	152	41	27.0	468	50	10.7
2016	11,408	454	4.0	23	12	52.2	191	39	20.4	522	76	14.6
2017	11,311	489**	4.3**	42	18	42.9	184	39	21.2	547**	75	13.7

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)

MSP Post 31 - Bay City (Tri-City) (continued)

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	15,075	13,994	92.8	26	14	53.8	145	110	75.9	506	451	89.1	1,641	1,559	95.0	12,135	11,860	97.7
Motor home	61	56	91.8	0	0	0.0	0	0	0.0	4	4	100.0	6	6	100.0	47	46	97.9
Pickup truck	2,758	2,575	93.4	5	3	60.0	27	21	77.8	76	66	86.8	163	156	95.7	2,386	2,329	97.6
Small truck under 10,000 lbs. GVWR	98	87	88.8	0	0	0.0	2	2	100.0	1	1	100.0	5	5	100.0	84	79	94.0
Motorcycle	126	82	65.1	9	5	55.6	36	23	63.9	38	28	73.7	17	11	64.7	26	15	57.7
Moped / goped	10	4	40.0	0	0	0.0	1	1	100.0	6	2	33.3	3	1	33.3	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	1	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	4	0	0.0	0	0	0.0	1	0	0.0	2	0	0.0	1	0	0.0	0	0	0.0
Other	117	93	79.5	0	0	0.0	0	0	0.0	2	2	100.0	5	4	80.0	102	87	85.3
Truck/bus over 10,000 lbs.	292	267	91.4	0	0	0.0	6	6	100.0	10	7	70.0	11	4	36.4	257	250	97.3
Unknown	248	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Total	18,790	17,158	91.3	40	22	55.0	218	163	74.8	645	561	87.0	1,852	1,746	94.3	15,038	14,666	97.5

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	254	230	90.6	0	0	0.0	7	7	100.0	41	36	87.8	183	167	91.3	22	20	90.9
16 - 20	2,372	2,298	96.9	3	2	66.7	28	19	67.9	90	80	88.9	248	235	94.8	2,000	1,962	98.1
21 - 24	1,830	1,742	95.2	4	2	50.0	31	19	61.3	63	51	81.0	161	146	90.7	1,566	1,524	97.3
25 - 64	11,044	10,623	96.2	20	10	50.0	127	98	77.2	362	311	85.9	1,003	945	94.2	9,515	9,259	97.3
65 +	2,317	2,260	97.5	13	8	61.5	25	20	80.0	89	83	93.3	257	253	98.4	1,929	1,896	98.3
Unknown	973	5	0.5	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	6	5	83.3
Total	18,790	17,158	91.3	40	22	55.0	218	163	74.8	645	561	87.0	1,852	1,746	94.3	15,038	14,666	97.5

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.

MSP Post 31 - Bay City (Tri-City) (continued)

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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	91	0	16	170	0	16	145	2	22	66	0	10	32	0	4
Shoulder belt only used	10	0	1	30	0	2	25	0	4	52	0	10	101	0	11
Lap belt only used	75	0	7	148	0	12	196	0	19	128	0	16	90	0	12
Both lap & shoulder belts used	16,176	8	1,589	15,353	8	1,446	15,523	9	1,595	16,507	6	1,783	16,240	15	1,749
No belts used	101	7	53	135	6	47	166	12	60	170	2	62	174	10	60
Child restraint used	1	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	1	0	0	7	0	2	13	0	1	10	0	2	10	0	3
Restraint use unknown	839	1	39	530	0	38	364	2	42	862	1	22	1,280	0	54
Helmet worn	102	4	72	87	1	63	84	2	59	107	3	84	81	5	61
Helmet not worn	48	5	32	41	1	33	51	5	34	70	3	48	48	3	34
Helmet use unknown	5	0	2	7	0	5	7	1	4	11	0	8	0	0	0
Uncoded & errors	363	0	1	717	0	1	879	0	0	412	0	0	0	0	0
Total	17,812	25	1,812	17,225	16	1,665	17,453	33	1,840	18,396	15	2,045	18,056	33	1,988

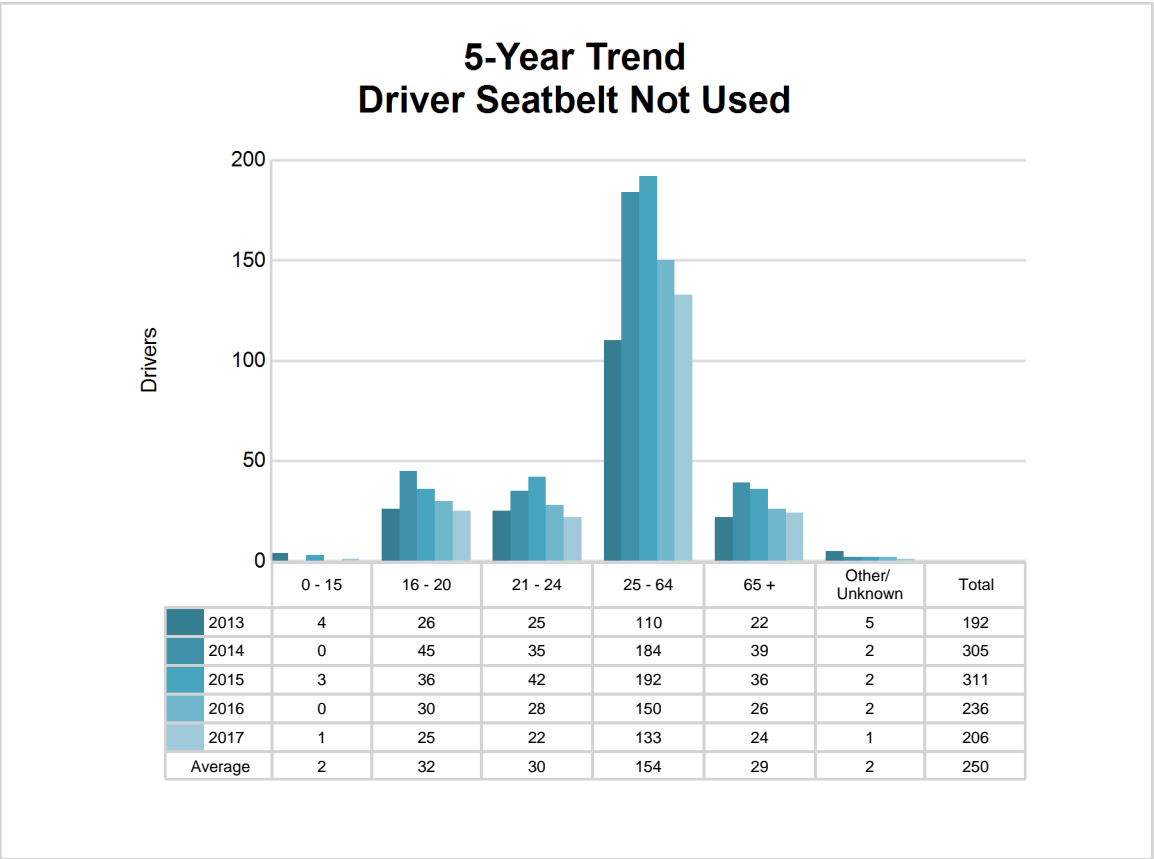
5-Year Trend - Restraint Use Among Drivers Coded Drinking

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	4	0	3	6	0	2	4	1	2	2	0	2	1	0	1
Shoulder belt only used	0	0	0	0	0	0	0	0	0	3	0	1	4	0	2
Lap belt only used	1	0	0	3	0	2	4	0	2	1	0	1	3	0	1
Both lap & shoulder belts used	298	0	73	270	0	60	269	1	57	300	1	82	302	2	92
No belts used	25	4	16	24	3	16	29	6	19	26	2	16	33	3	22
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	1	0	0	0	0	0	0	0	0	0
Restraint use unknown	44	0	12	57	0	17	49	2	14	47	0	8	66	0	19
Helmet worn	5	1	4	3	0	0	4	0	4	7	0	7	5	0	4
Helmet not worn	17	3	11	5	1	3	11	4	6	16	0	12	12	1	9
Helmet use unknown	0	0	0	1	0	1	2	0	2	1	0	1	0	0	0
Uncoded & errors	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0
Total	394	8	119	371	4	102	373	14	106	403	3	130	426	6	150

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	4	0	2	0	0	0	3	1	2	0	0	0	1	0	0
16 - 20	26	1	11	45	2	9	36	1	7	30	0	9	25	0	10
21 - 24	25	1	12	35	1	10	42	2	16	28	0	12	22	1	8
25 - 64	110	3	37	184	2	38	192	9	46	150	2	40	133	5	42
65 +	22	2	6	39	1	6	36	1	10	26	0	11	24	4	4
Unknown	5	0	1	2	0	0	2	0	1	2	0	0	1	0	0
Total	192	7	69	305	6	63	311	14	82	236	2	72	206	10	64

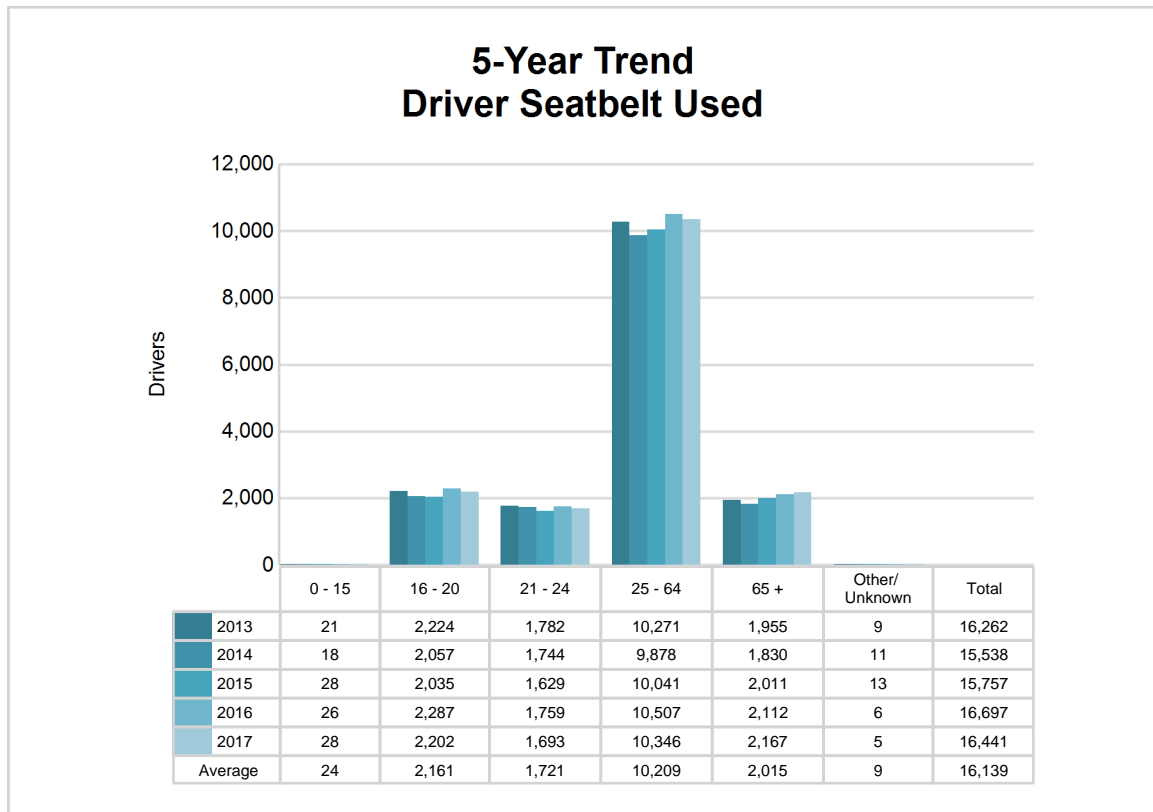
Note: Seatbelt Not Used includes no belts available or no belts used.



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	21	0	3	18	0	3	28	0	3	26	0	4	28	0	8
16 - 20	2,224	0	234	2,057	1	189	2,035	0	215	2,287	0	245	2,202	1	240
21 - 24	1,782	1	169	1,744	1	178	1,629	0	186	1,759	1	177	1,693	2	170
25 - 64	10,271	4	995	9,878	4	897	10,041	5	964	10,507	4	1,118	10,346	6	1,091
65 +	1,955	3	196	1,830	2	195	2,011	4	250	2,112	1	267	2,167	6	266
Unknown	9	0	0	11	0	0	13	0	1	6	0	0	5	0	0
Total	16,262	8	1,597	15,538	8	1,462	15,757	9	1,619	16,697	6	1,811	16,441	15	1,775

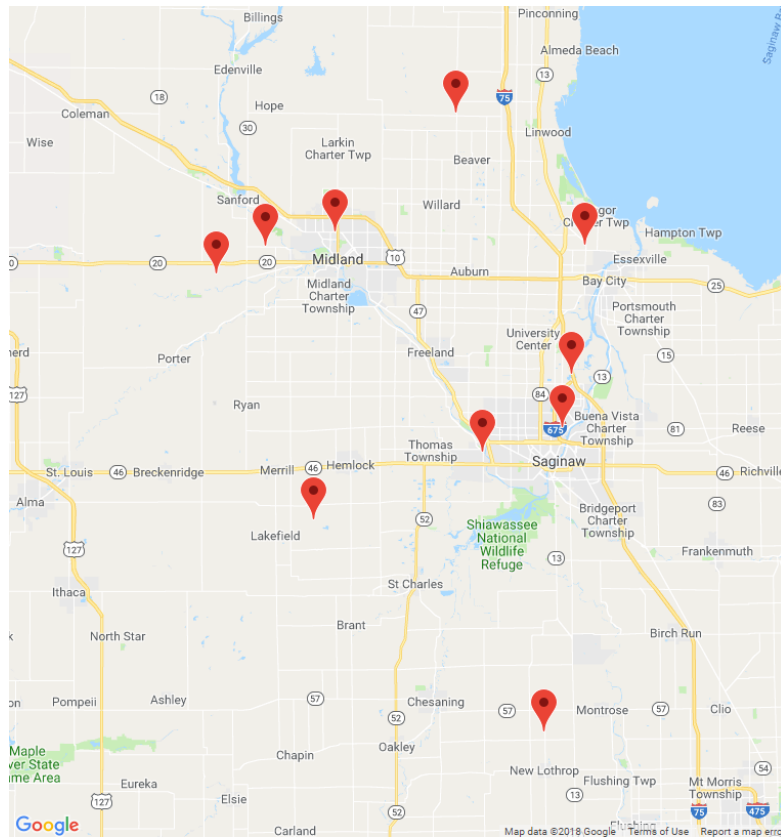
Note: Seatbelt Used includes shoulder belt only used, lap belt only used, both lap and shoulder belts used, and restraint failure.



MSP Post 31 - Bay City (Tri-City) (continued)

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	9,102	19	9,037	19	9,232	24	9,709	15	9,507	34
Speed too fast	1,686	9	1,358	5	1,257	13	1,410	3	1,288	3
Speed too slow	16	0	29	0	29	0	23	0	22	0
Failed to yield	1,656	4	1,633	1	1,654	3	1,741	2	1,669	9
Disregard traffic control	527	3	457	2	530	4	521	1	474	7
Drove wrong way	9	0	18	0	19	0	19	1	15	1
Drove left of center	77	4	68	3	74	1	78	1	77	4
Improper passing	70	0	76	0	67	0	87	1	101	0
Improper lane use	305	0	258	0	320	0	300	1	290	0
Improper turn	191	0	194	1	238	0	241	0	269	0
Improper/no signal	36	0	40	0	32	0	18	0	19	0
Improper backing	329	0	374	0	374	0	366	0	283	0
Unable to stop in assured clear distance	2,020	1	1,995	1	2,017	1	2,087	1	2,014	1
Other	685	6	685	4	661	7	696	1	676	3
Unknown	594	2	399	3	321	6	408	4	608	2
Reckless driving	66	1	92	0	94	1	80	2	88	4
Careless/negligent driving	439	2	509	1	530	4	603	1	656	3
Uncoded & errors	4	0	3	0	4	0	9	0	0	0
Total	17,812	51	17,225	40	17,453	64	18,396	34	18,056	71



The picture above represents all 2017 alcohol-involved fatal crashes in Post 31.

In 2017, there were 432 alcohol-involved crashes in Post 31:

10	K - Fatal Crashes
37	A - Suspected Serious Injury Crashes
67	B - Suspected Minor Injury Crashes
86	C - Possible Injury Crashes
232	O - Property Damage Only/No Injury Crashes

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