



2019

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

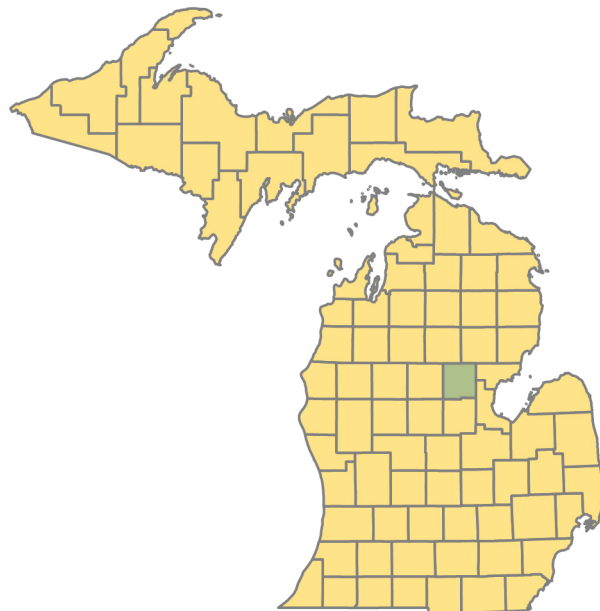
O = No Injury

Property Damage Only (PDO)



Gladwin County

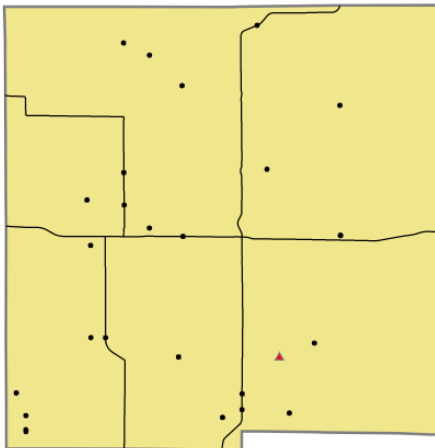
2019 Traffic Crash Data & 2015-2019 5-Year Trends



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 (1/1)
- A - Suspected Serious (26/26)

Gladwin County

In 2019:

There were 953 drivers involved in 829 motor vehicle crashes in Gladwin County. Of those crashes, 1 was classified as fatal, resulting in 2 fatalities. An additional 137 persons were injured.

Gladwin County experienced the highest number of motor vehicle crashes (122) in November, the highest number of fatal crashes (1) and the highest number of persons killed (2) in December.

Michigan driver statistics indicate 4.9 percent of licensed drivers in Gladwin County were age 16-20, and 7.0 percent of drivers in crashes were also in that age group.

2019 - Crashes and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only (PDO)	Fatalities	Injuries
January	80	0	8	72	0	10
February	63	0	7	56	0	9
March	51	0	3	48	0	4
April	44	0	9	35	0	14
May	46	0	5	41	0	9
June	59	0	6	53	0	9
July	65	0	11	54	0	15
August	46	0	14	32	0	20
September	58	0	6	52	0	8
October	103	0	7	96	0	9
November	122	0	10	112	0	19
December	92	1	8	83	2	11
Total	829	1	94	734	2	137

2019 - Driver Statistics

Age Group	Gladwin County			Driver Rates	
	2019 Population	Licensed Drivers	Drivers in Crashes	Per 10k Population	Per 10k Licensed
0 - 15	4,175	111	3	7.2	270.3
16 - 20	1,255	980	67	533.9	683.7
21 - 24	855	826	72	842.1	871.7
25 - 64	12,257	11,320	654	533.6	577.7
65 +	6,907	6,654	145	209.9	217.9
Unknown	0	0	12	--	--
Total	25,449	19,891	953	374.5	479.1

2019 - 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	676	70.9	1	100.0	79	596
Motor home	0	0.0	0	0.0	0	0
Pickup truck	226	23.7	0	0.0	35	191
Small truck under 10,000 lbs. GVWR	6	0.6	0	0.0	0	6
Motorcycle	9	0.9	0	0.0	8	1
Moped / goped	0	0.0	0	0.0	0	0
Go-cart / golf cart	1	0.1	0	0.0	0	1
Snowmobile	0	0.0	0	0.0	0	0
Off-Road Vehicle - ORV / All-Terrain Vehicle - ATV	5	0.5	0	0.0	4	1
Other	4	0.4	0	0.0	1	3
Truck/bus over 10,000 lbs.	24	2.5	0	0.0	5	19
Unknown	2	0.2	0	0.0	0	2
Total	953	100.0	1	100.0	132	820

5-Year Trend - Crashes by Month

Month	2015		2016		2017		2018		2019	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
January	51	0	48	0	63	0	70	0	80	0
February	54	0	55	0	51	0	62	0	63	0
March	46	0	30	1	56	0	55	0	51	0
April	36	0	42	0	44	0	67	1	44	0
May	56	2	23	0	42	0	53	0	46	0
June	70	0	33	0	55	1	73	0	59	0
July	45	1	45	0	64	0	62	0	65	0
August	38	0	26	0	49	1	49	0	46	0
September	44	1	22	0	66	0	59	0	58	0
October	86	1	39	0	88	0	90	1	103	0
November	119	0	46	1	92	1	120	0	122	0
December	36	1	46	0	97	0	70	0	92	1
Total	681	6	455	2	767	3	830	2	829	1

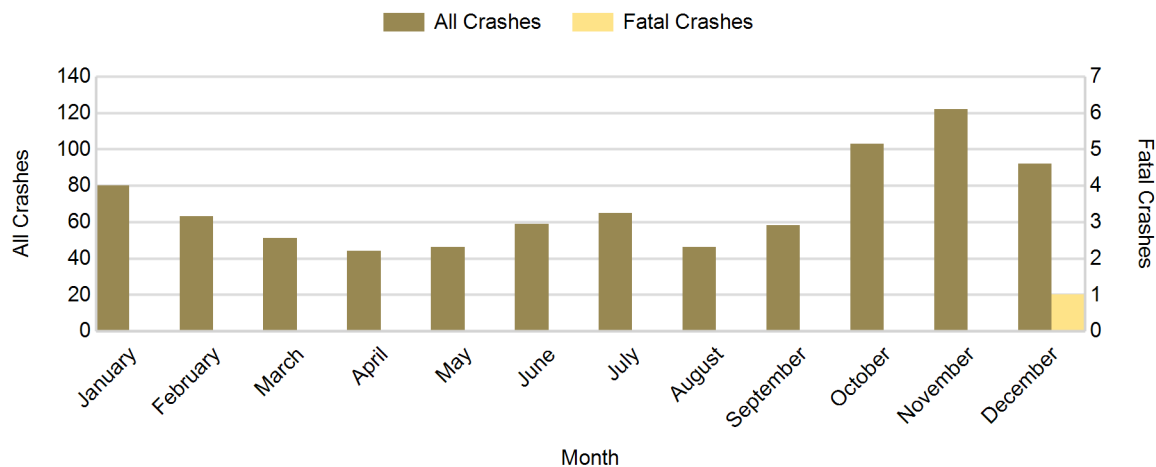
Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred in the same month

5-Year Trend - Crashes by Day of Week

Day	2015		2016		2017		2018		2019	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Monday	100	2	57	1	103	0	117	1	108	0
Tuesday	88	0	62	0	109	2	138	1	124	0
Wednesday	90	0	71	0	126	0	112	0	124	0
Thursday	106	0	75	0	108	0	115	0	111	0
Friday	127 †	2	82 †	0	128 †	0	144 †	0	146 †	1
Saturday	89	2	59	1	117	1	116	0	134	0
Sunday	81	0	49	0	76	0	88	0	82	0
Total	681	6	455	2	767	3	830	2	829	1

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

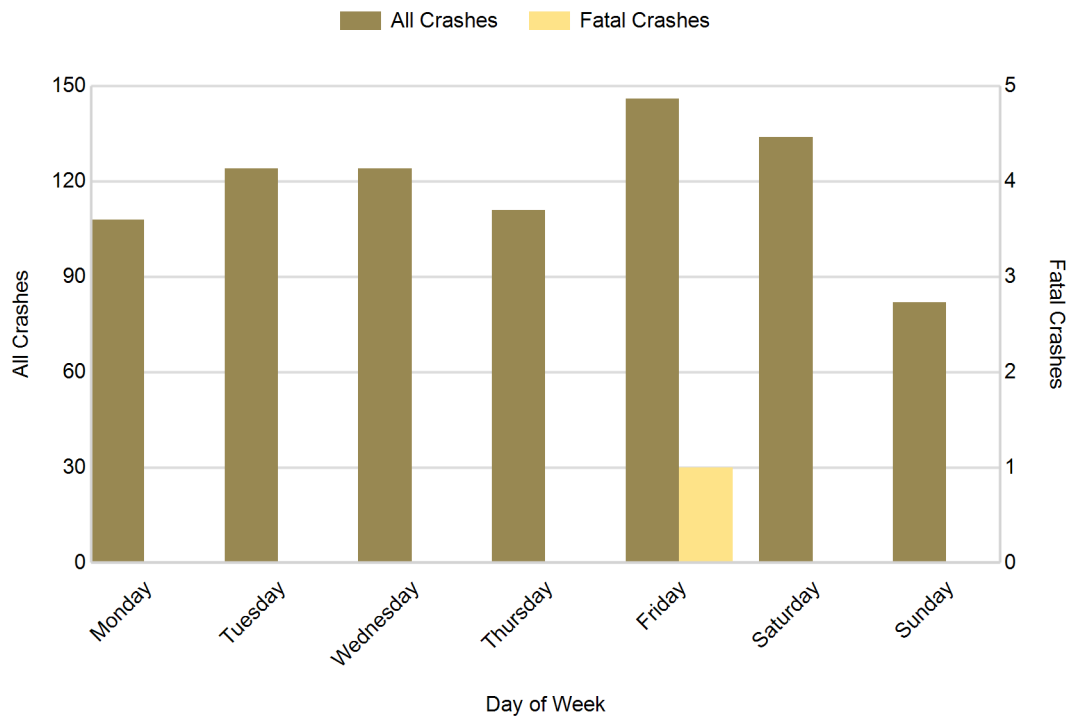
2019 Crashes by Month



2019 - 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	108	13.0	0	0.0	3	2	6	97
Tuesday	124	15.0	0	0.0	2	5	4	113
Wednesday	124	15.0	0	0.0	4	2	7	111
Thursday	111	13.4	0	0.0	2	2	9	98
Friday	146	17.6	1	100.0	3	3	6	133
Saturday	134	16.2	0	0.0	6	7	8	113
Sunday	82	9.9	0	0.0	6	3	4	69
Total	829	100.0	1	100.0	26	24	44	734

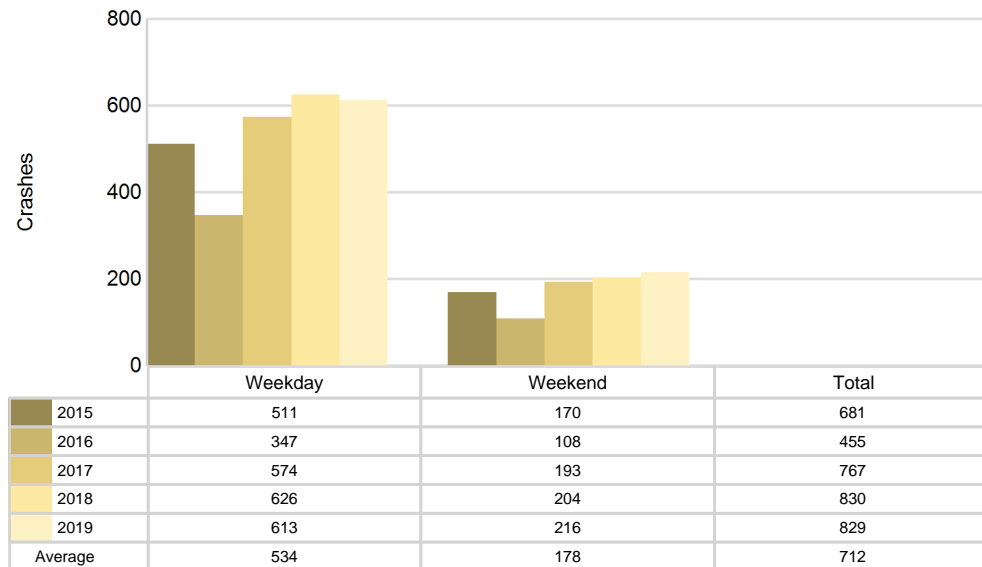
2019 Day of Week and Severity



5-Year Trend - Crashes by Weekday and Weekend

Portion of Week	2015		2016		2017		2018		2019	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Weekday	511	4	347	1	574	2	626	2	613	1
Weekend	170	2	108	1	193	1	204	0	216	0
Total	681	6	455	2	767	3	830	2	829	1

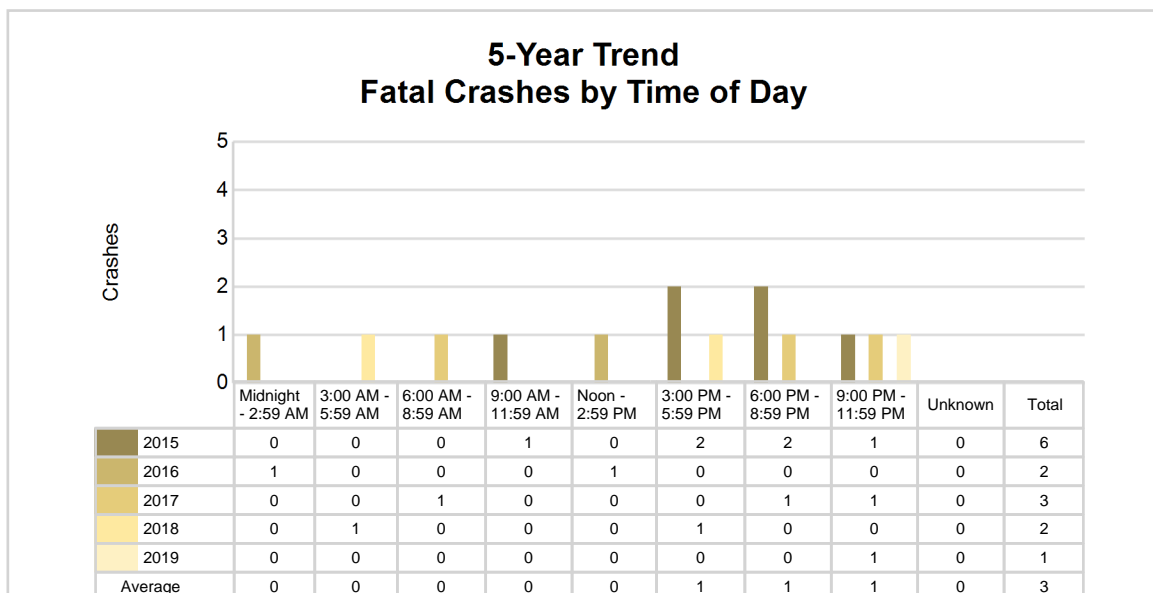
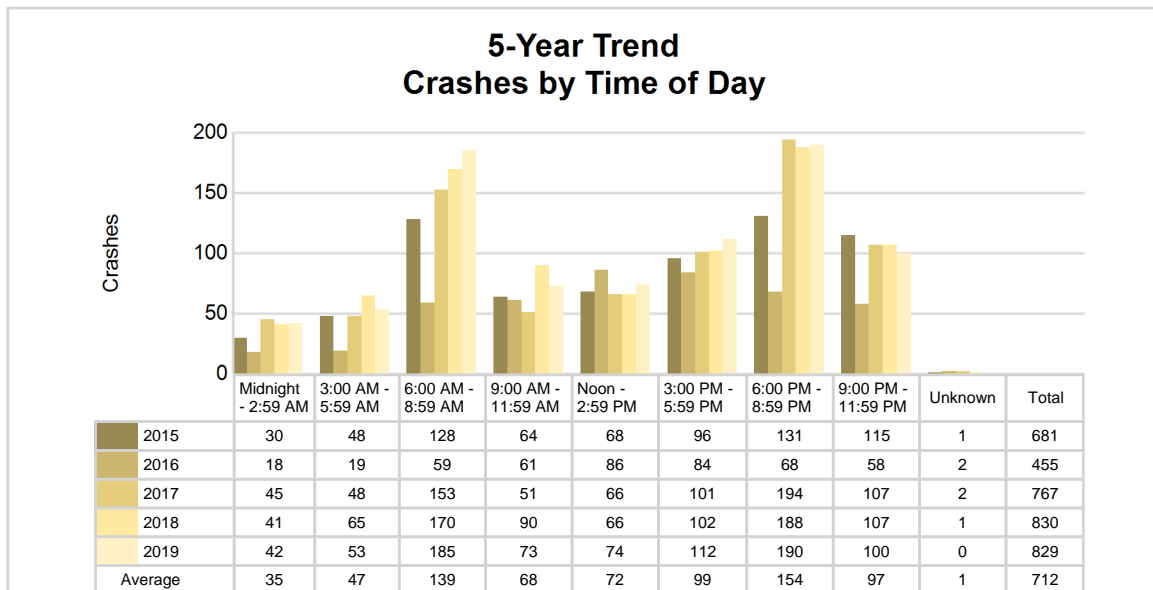
5-Year Crash Trends by Weekday (Monday - Friday) and Weekend (Saturday & Sunday)



5-Year Trend - Crashes by Time of Day

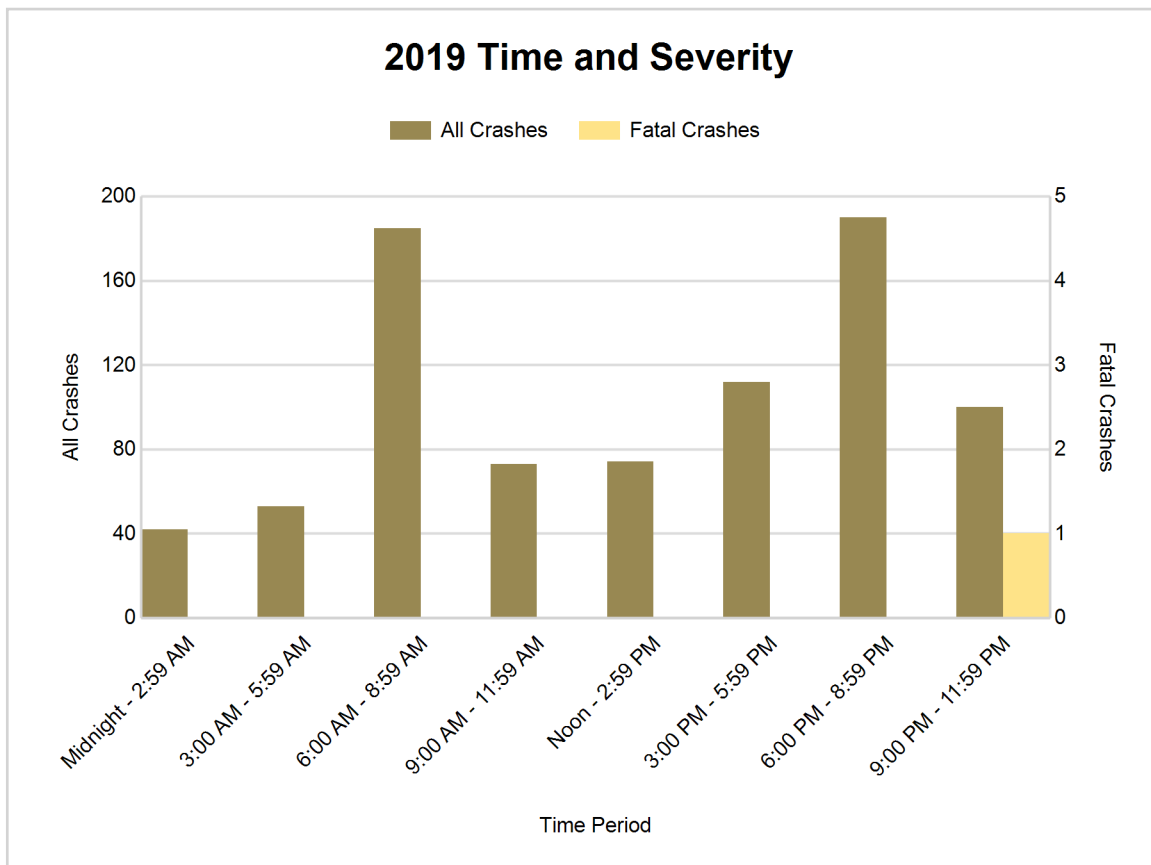
Time of Day	2015		2016		2017		2018		2019	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	30	0	18	1	45	0	41	0	42	0
3:00 AM - 5:59 AM	48	0	19	0	48	0	65	1	53	0
6:00 AM - 8:59 AM	128	0	59	0	153	1	170	0	185	0
9:00 AM - 11:59 AM	64	1	61	0	51	0	90	0	73	0
Noon - 2:59 PM	68	0	86	1	66	0	66	0	74	0
3:00 PM - 5:59 PM	96	2	84	0	101	0	102	1	112	0
6:00 PM - 8:59 PM	131	2	68	0	194	1	188	0	190	0
9:00 PM - 11:59 PM	115	1	58	0	107	1	107	0	100	1
Unknown	1	0	2	0	2	0	1	0	0	0
Total	681	6	455	2	767	3	830	2	829	1

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



2019 - Time and Severity

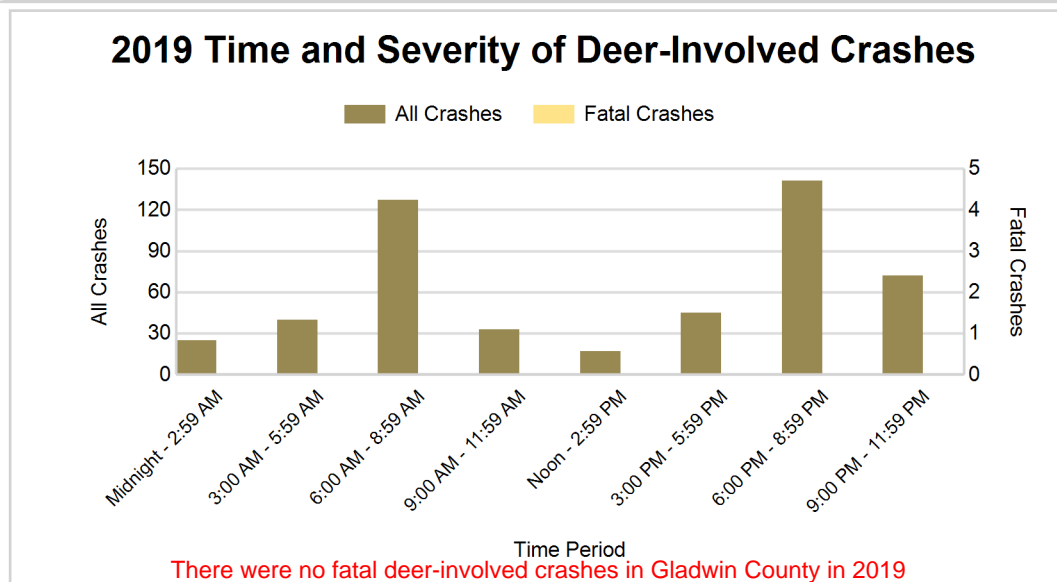
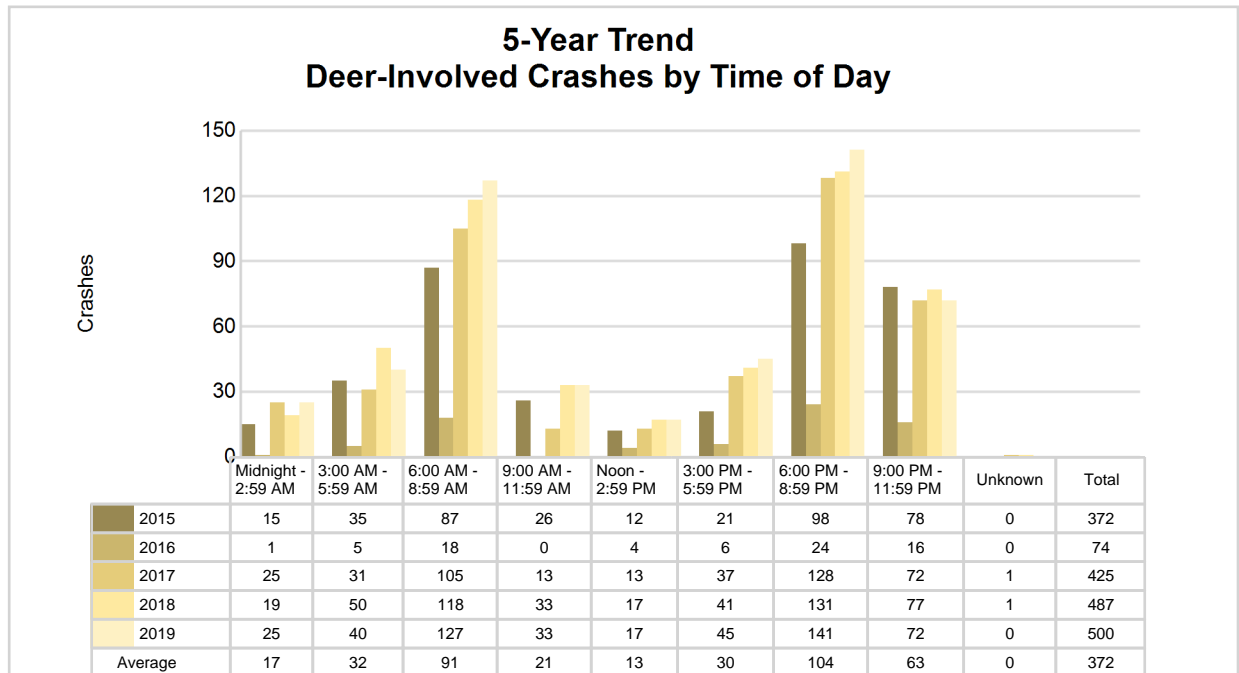
Time of Day	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	Number
Midnight - 2:59 AM	42	5.1	0	0.0	1	1	2	38
3:00 AM - 5:59 AM	53	6.4	0	0.0	1	0	1	51
6:00 AM - 8:59 AM	185	22.3	0	0.0	2	2	12	169
9:00 AM - 11:59 AM	73	8.8	0	0.0	2	1	3	67
Noon - 2:59 PM	74	8.9	0	0.0	4	3	8	59
3:00 PM - 5:59 PM	112	13.5	0	0.0	9	8	10	85
6:00 PM - 8:59 PM	190	22.9	0	0.0	5	7	6	172
9:00 PM - 11:59 PM	100	12.1	1	100.0	2	2	2	93
Unknown	0	0.0	0	0.0	0	0	0	0
Total	829	100.0	1	100.0	26	24	44	734



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

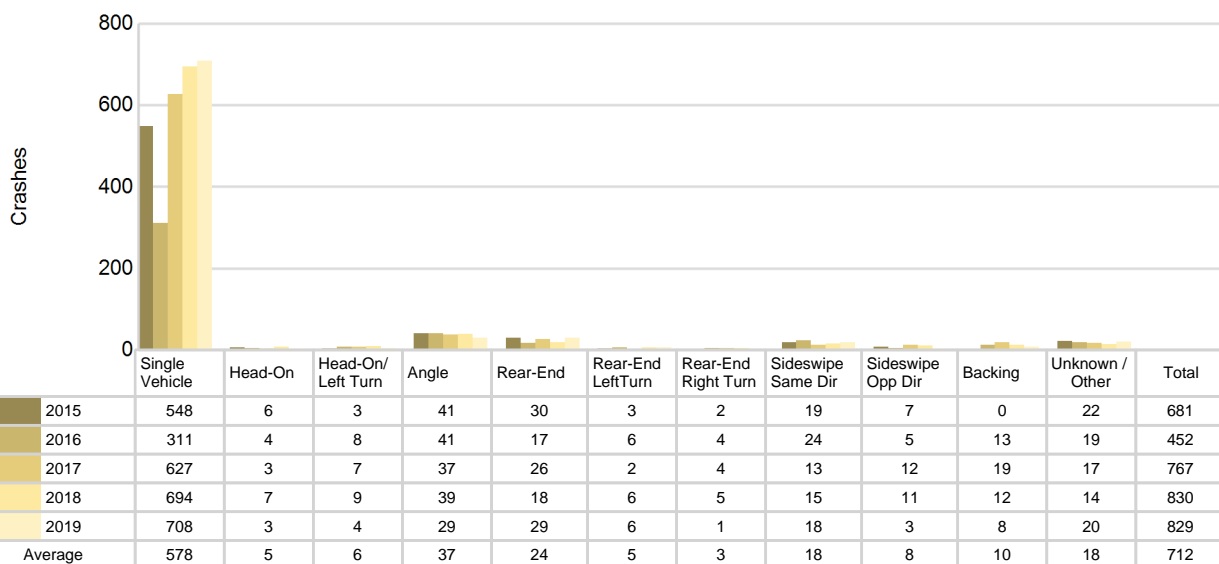
Time of Day	2015		2016		2017		2018		2019	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	15	0	1	0	25	0	19	0	25	0
3:00 AM - 5:59 AM	35	0	5	0	31	0	50	0	40	0
6:00 AM - 8:59 AM	87	0	18	0	105	0	118	0	127	0
9:00 AM - 11:59 AM	26	0	0	0	13	0	33	0	33	0
Noon - 2:59 PM	12	0	4	0	13	0	17	0	17	0
3:00 PM - 5:59 PM	21	0	6	0	37	0	41	0	45	0
6:00 PM - 8:59 PM	98 †	0	24 †	0	128 †	0	131 †	0	141 †	0
9:00 PM - 11:59 PM	78	0	16	0	72	0	77	0	72	0
Unknown	0	0	0	0	1	0	1	0	0	0
Total	372	0	74	0	425	0	487	0	500	0

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



5-Year Trend - Crashes by Crash Type

Crash Type	2015		2016		2017		2018		2019	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Single motor vehicle	548	6	311	1	627	2	694	1	708	1
Head-on	6	0	4	1	3	1	7	0	3	0
Head-on / left turn	3	0	8	0	7	0	9	0	4	0
Angle	41	0	41	0	37	0	39	1	29	0
Rear-end	30	0	17	0	26	0	18	0	29	0
Rear-end left turn	3	0	6	0	2	0	6	0	6	0
Rear-end right turn	2	0	4	0	4	0	5	0	1	0
Sideswipe same direction	19	0	24	0	13	0	15	0	18	0
Sideswipe opposite direction	7	0	5	0	12	0	11	0	3	0
Backing	0	0	13	0	19	0	12	0	8	0
Other / Unknown	22	0	19	0	17	0	14	0	20	0
Uncoded and Errors	0	0	3	0	0	0	0	0	0	0
Total	681	6	455	2	767	3	830	2	829	1

5-Year Trend
Crashes by Crash Type

Gladwin County (continued)

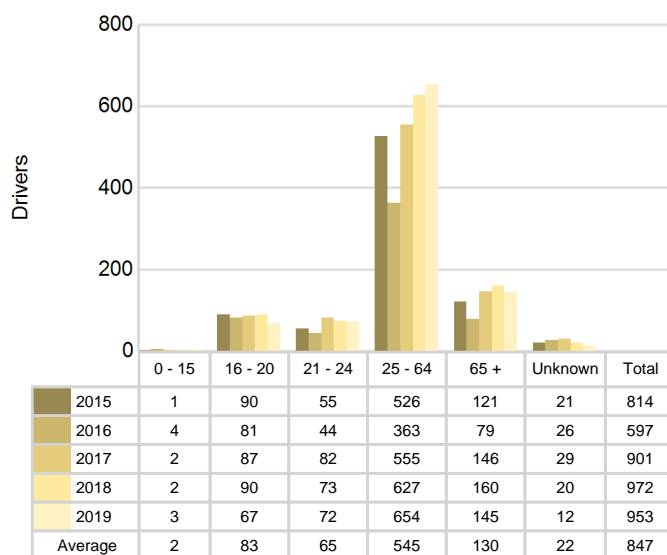
2019 - Reported Motor Vehicle Crashes by Municipality

Municipality	Crashes											Persons	
	Total	Fatal	Injury	Property Damage	Inter-state	US Route	State Route	Local Street	Alcohol-Involved	Drug-Involved	Deer-Involved	Fatalities	Injuries
Beaverton	9	0	0	9	0	0	5	4	1	0	1	0	0
Beaverton Twp.	66	0	9	57	0	0	7	59	2	0	43	0	11
Bentley Twp.	27	0	3	24	0	0	0	27	0	0	18	0	4
Billings Twp.	40	1	6	33	0	0	1	39	5	1	23	2	9
Bourret Twp.	18	0	1	17	0	0	5	13	0	0	11	0	1
Buckeye Twp.	52	0	6	46	0	0	29	23	3	0	34	0	9
Butman Twp.	36	0	4	32	0	0	0	36	2	0	25	0	4
Clement Twp.	32	0	1	31	0	0	26	6	1	0	23	0	2
Gladwin	62	0	10	52	0	0	41	21	1	1	10	0	17
Gladwin Twp.	32	0	3	29	0	0	6	26	2	1	22	0	3
Grim Twp.	23	0	6	17	0	0	14	9	2	0	16	0	7
Grout Twp.	99	0	11	88	0	0	60	39	1	0	62	0	15
Hay Twp.	46	0	6	40	0	0	35	11	1	0	31	0	11
Sage Twp.	90	0	8	82	0	0	26	64	4	0	52	0	12
Secord Twp.	31	0	4	27	0	0	11	20	1	0	19	0	4
Sherman Twp.	64	0	3	61	0	0	29	35	2	0	47	0	5
Tobacco Twp.	102	0	13	89	0	0	52	50	2	1	63	0	23
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	829	1	94	734	0	0	347	482	30	4	500	2	137

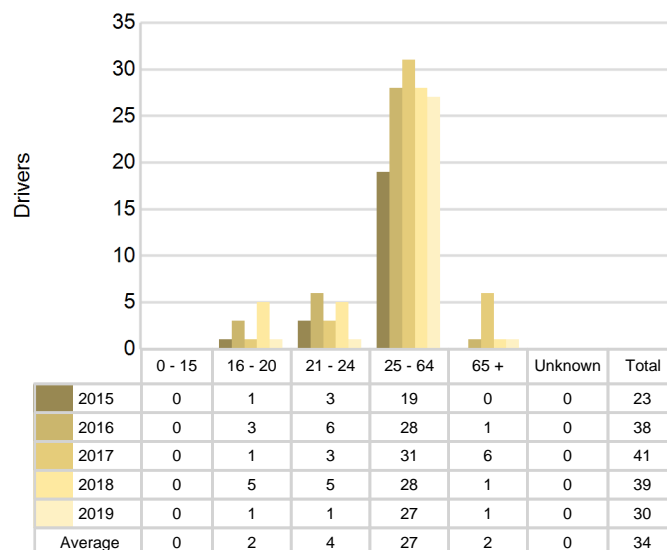
5-Year Trend - Drivers in Crashes Coded Drinking by Driver Age

Driver Age	2015		2016		2017		2018		2019	
	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	1	0	4	0	2	0	2	0	3	0
16 - 20	90	1	81	3	87	1	90	5	67	1
21 - 24	55	3	44	6	82	3	73	5	72	1
25 - 64	526	19	363	28	555	31	627	28	654	27
65 +	121	0	79	1	146	6	160	1	145	1
Unknown	21	0	26	0	29	0	20	0	12	0
Total	814	23	597	38	901	41	972	39	953	30

5-Year Trend Total Drivers in Crashes by Age



5-Year Trend Total Drivers Coded Drinking by Age



2019 - 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	2	1	0	1	0	0	0	0	1
21 - 24	1	1	1	1	0	1	0	0	0
25 - 64	29	34	27	27	0	5	5	16	1
65 +	2	2	1	1	0	0	1	0	0
Unknown	0	0	0	0	0	0	0	0	0
Total	34	38	29	30	0	6	6	16	2

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 2019, there were 34 drivers in alcohol-involved crashes; 30 (88.2%) of those drivers were coded as had-been-drinking by the officer on the crash form.

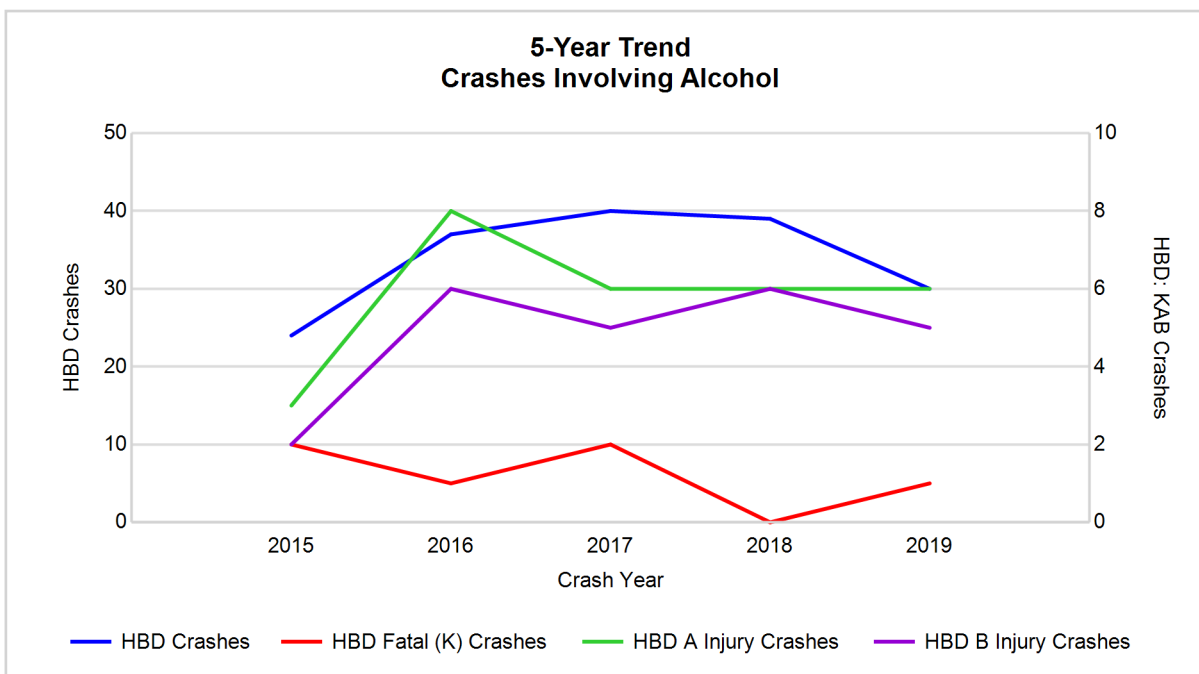
- 22 (73.3%) of the 30 drivers had a blood alcohol concentration (BAC) of 0.08 g/dL (grams per deciliter) or greater, and 16 (72.7%) of the 22 drivers had a BAC at or above 0.17 g/dL.
- 29 (96.7%) of the 30 drivers were coded as had-been-drinking and were tested for alcohol consumption.

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
2015	681	24	3.5	6	2	33.3	15	3	20.0	23	2	8.7
2016	455	37	8.1	2	1	50.0	35	8	22.9	43	6	14.0
2017	767	40	5.2	3	2	66.7	22	6	27.3	40	5	12.5
2018	830	39	4.7	2	0	0.0	24	6	25.0	31	6	19.4
2019	829	30	3.6	1*	1	100.0**	26	6	23.1	24	5	20.8**

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



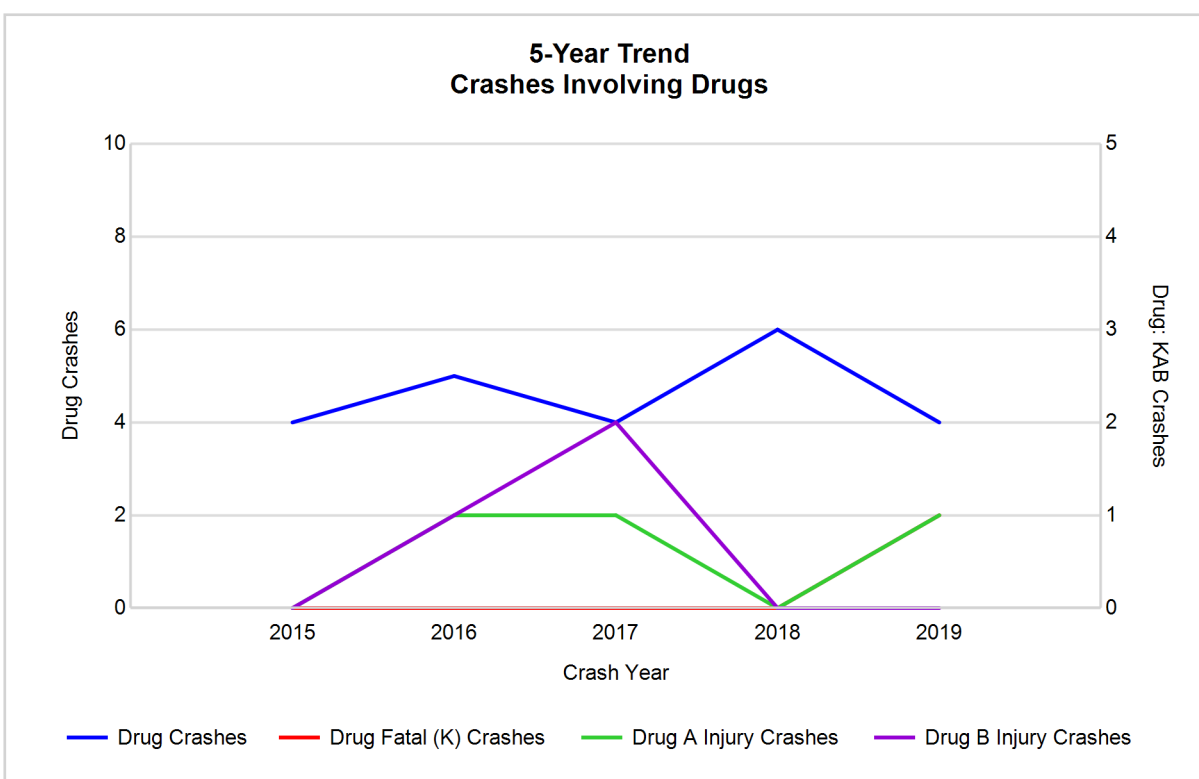
Note: Had-Been-Drinking (HBD)

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
2015	681	4	0.6	6	0	0.0	15	0	0.0	23	0	0.0
2016	455	5	1.1	2	0	0.0	35	1	2.9	43	1	2.3
2017	767	4	0.5	3	0	0.0	22	1	4.5	40	2	5.0
2018	830	6	0.7	2	0	0.0	24	0	0.0	31	0	0.0
2019	829	4	0.5	1*	1**	100.0**	26	1	3.8	24	0	0.0

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

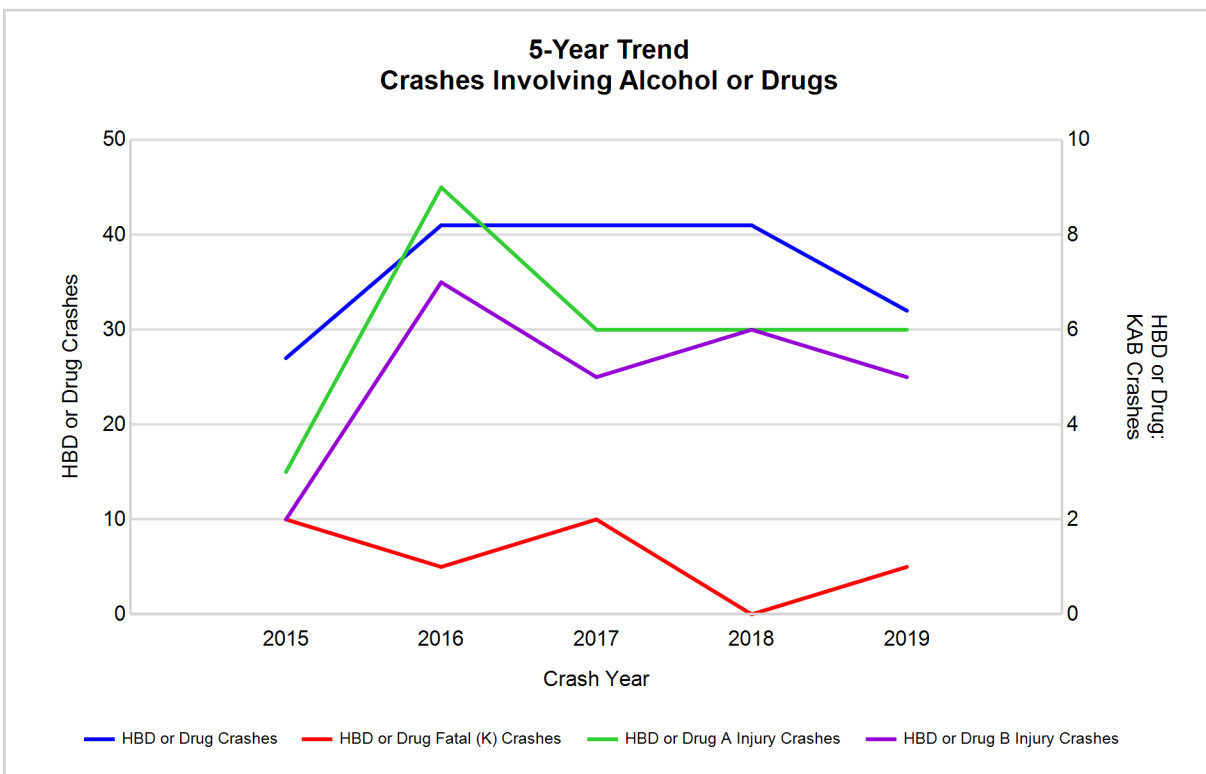


5-Year Trend - Crashes Involving Alcohol or Drugs

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
2015	681	27	4.0	6	2	33.3	15	3	20.0	23	2	8.7
2016	455	41	9.0	2	1	50.0	35	9	25.7	43	7	16.3
2017	767	41	5.3	3	2	66.7	22	6	27.3	40	5	12.5
2018	830	41	4.9	2	0	0.0	24	6	25.0	31	6	19.4
2019	829	32	3.9*	1*	1	100.0**	26	6	23.1	24	5	20.8**

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



Note: Had-Been-Drinking (HBD)

2019 - 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	706	672	95.2	2	0	0.0	19	16	84.2	20	16	80.0	52	49	94.2	607	591	97.4
Motor home	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Pickup truck	230	206	89.6	0	0	0.0	4	2	50.0	5	2	40.0	14	12	85.7	205	190	92.7
Small truck under 10,000 lbs. GVWR	6	6	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	6	6	100.0
Motorcycle	9	3	33.3	0	0	0.0	2	0	0.0	4	2	50.0	2	1	50.0	1	0	0.0
Moped / goped	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Go-cart / golf cart	1	1	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0
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	9	5	55.6	0	0	0.0	3	1	33.3	3	3	100.0	0	0	0.0	3	1	33.3
Other	4	1	25.0	0	0	0.0	0	0	0.0	1	0	0.0	0	0	0.0	3	1	33.3
Truck/bus over 10,000 lbs.	26	19	73.1	0	0	0.0	0	0	0.0	1	0	0.0	1	0	0.0	23	19	82.6
Unknown	2	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Total	993	913	91.9	2	0	0.0	28	19	67.9	34	23	67.6	69	62	89.9	849	809	95.3

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.

2019 - 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	11	9	81.8	0	0	0.0	2	1	50.0	4	4	100.0	5	4	80.0	0	0	0.0
16 - 20	74	67	90.5	0	0	0.0	5	3	60.0	6	3	50.0	10	8	80.0	53	53	100.0
21 - 24	75	72	96.0	0	0	0.0	0	0	0.0	3	1	33.3	6	6	100.0	66	65	98.5
25 - 64	674	630	93.5	2	0	0.0	19	13	68.4	14	9	64.3	37	33	89.2	602	575	95.5
65 +	147	135	91.8	0	0	0.0	2	2	100.0	7	6	85.7	11	11	100.0	126	116	92.1
Unknown	12	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	2	0	0.0
Total	993	913	91.9	2	0	0.0	28	19	67.9	34	23	67.6	69	62	89.9	849	809	95.3

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	2015			2016			2017			2018			2019		
	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	1	1	0	8	0	4	11	0	2	7	0	1	7	0	1
Shoulder belt only used	0	0	0	0	0	0	4	0	0	4	0	0	7	0	1
Lap belt only used	1	0	0	1	0	1	1	0	0	1	0	0	0	0	0
Both lap & shoulder belts used	729	1	58	507	1	96	790	0	64	876	1	76	872	0	70
No belts used	9	2	4	6	0	6	10	0	4	15	1	5	9	0	7
Child restraint used	0	0	0	1	0	0	1	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	0	0	0	0	0	0	0	0	0	0	0	0
Restraint use unknown	42	0	4	38	1	10	39	1	5	38	0	6	43	1	5
Helmet worn	6	0	4	8	0	7	5	0	4	3	0	3	4	0	3
Helmet not worn	3	1	1	4	0	4	1	0	1	4	0	4	6	0	4
Helmet use unknown	0	0	0	1	0	0	3	0	1	0	0	0	1	0	1
Uncoded & errors	23	0	0	23	0	0	36	0	0	23	0	1	4	0	0
Total	814	5	71	597	2	128	901	1	81	972	2	96	953	1	92

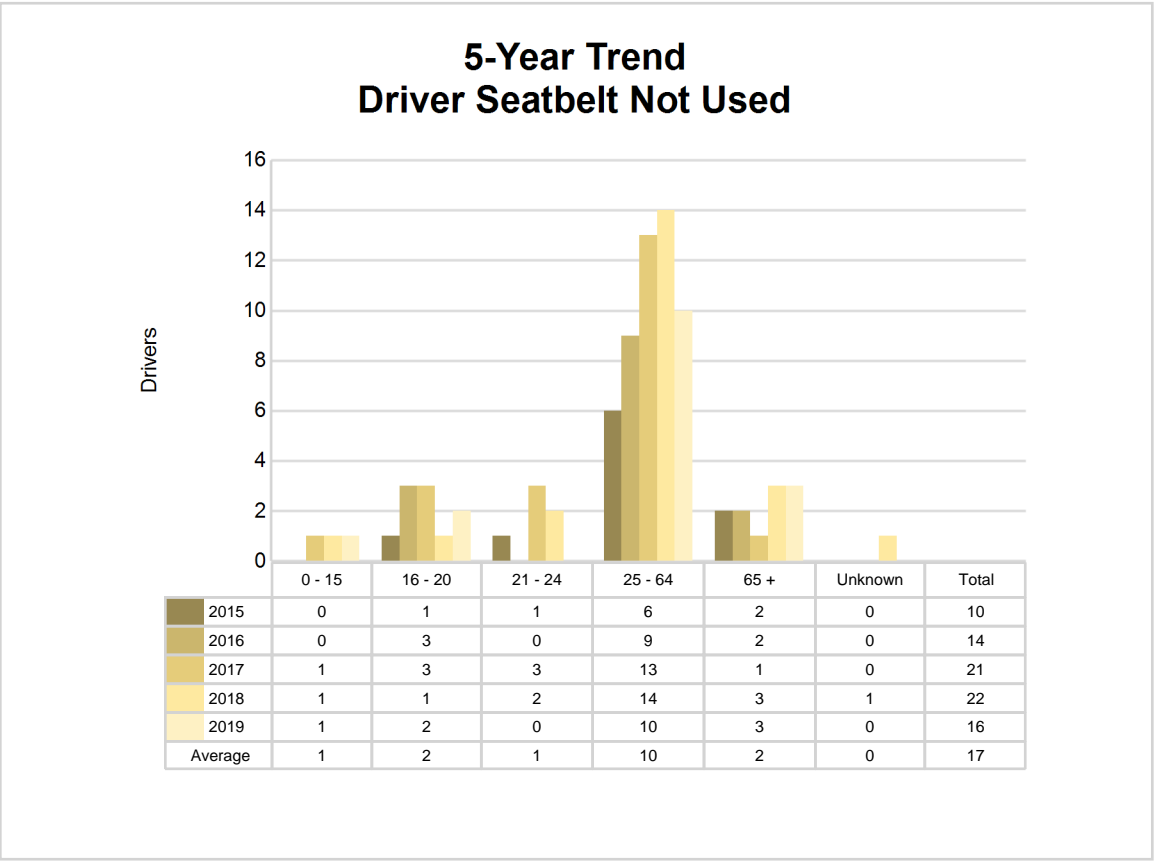
5-Year Trend - Restraint Use Among Drivers Coded Drinking

Restraint Use	2015			2016			2017			2018			2019		
	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	0	0	0	1	0	0	1	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Both lap & shoulder belts used	17	1	2	23	0	4	30	0	6	19	0	6	19	0	7
No belts used	3	0	3	4	0	4	3	0	2	8	0	4	4	0	2
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	2	0	0	9	1	4	5	1	2	11	0	2	7	1	3
Helmet worn	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
Helmet not worn	1	1	0	1	0	1	1	0	1	1	0	1	0	0	0
Helmet use unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Uncoded & errors	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	23	2	5	38	1	13	41	1	12	39	0	13	30	1	12

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

Age Group	2015			2016			2017			2018			2019		
	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	1	1	0	1	1	0	1
16 - 20	1	1	0	3	0	1	3	0	1	1	0	0	2	0	2
21 - 24	1	0	1	0	0	0	3	0	2	2	0	1	0	0	0
25 - 64	6	1	3	9	0	7	13	0	2	14	0	4	10	0	4
65 +	2	1	0	2	0	2	1	0	0	3	1	0	3	0	1
Unknown	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Total	10	3	4	14	0	10	21	0	6	22	1	6	16	0	8

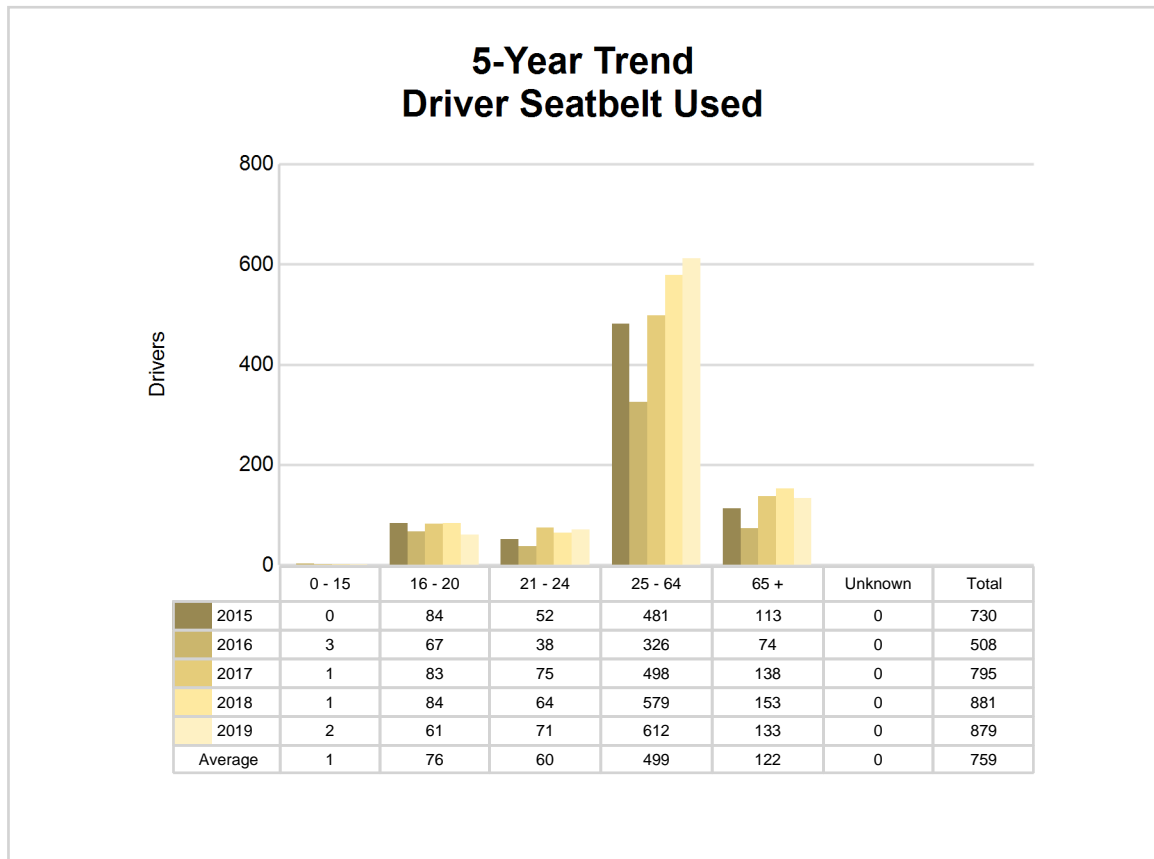
Note: Seatbelt Not Used includes no belts available or no belts used.



5-Year Trend - Seatbelt Used Among Drivers by Age

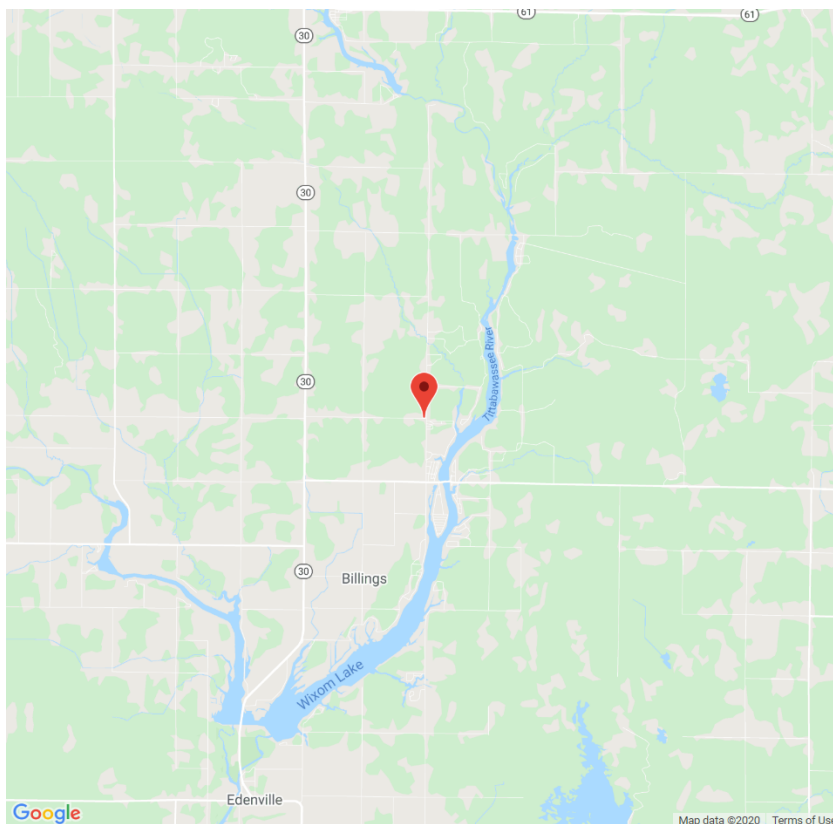
Age Group	2015			2016			2017			2018			2019		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
0 - 15	0	0	0	3	0	0	1	0	0	1	0	1	2	0	2
16 - 20	84	0	16	67	1	17	83	0	10	84	0	10	61	0	8
21 - 24	52	0	5	38	0	7	75	0	7	64	0	1	71	0	6
25 - 64	481	1	30	326	0	57	498	0	35	579	0	51	612	0	38
65 +	113	0	7	74	0	16	138	0	12	153	1	13	133	0	17
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	730	1	58	508	1	97	795	0	64	881	1	76	879	0	71

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	2015		2016		2017		2018		2019	
	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	533	1	218	1	573	1	640	1	673	0
Speed too fast	76	0	135	0	103	0	115	2	84	0
Speed too slow	0	0	0	0	0	0	1	0	0	0
Failed to yield	39	0	43	0	34	0	48	0	41	0
Disregard traffic control	10	0	9	0	10	0	7	0	10	0
Drove wrong way	0	0	0	0	0	0	0	0	0	0
Drove left of center	4	0	5	0	7	1	7	0	4	0
Improper passing	3	0	5	0	6	0	3	0	9	0
Improper lane use	5	0	7	1	4	0	7	0	3	0
Improper turn	3	0	9	0	4	0	7	0	3	0
Improper/no signal	1	0	3	0	1	0	1	0	2	0
Improper backing	9	0	9	0	16	0	7	0	8	0
Unable to stop in assured clear distance	35	1	31	0	26	0	26	0	34	0
Other	22	0	30	0	31	0	29	0	22	0
Unknown	12	2	16	0	11	1	5	0	6	1
Reckless driving	5	0	7	0	4	0	13	0	12	0
Careless/negligent driving	41	2	44	1	33	0	37	0	35	0
Uncoded & errors	16	0	26	0	38	1	19	0	7	0
Total	814	6	597	3	901	4	972	3	953	1



The picture above represents all 2019 alcohol-involved fatal crashes in Gladwin County.

In 2019, there were 30 alcohol-involved crashes in Gladwin County:

- 1 K - Fatal Crash
- 6 A - Suspected Serious Injury Crashes
- 5 B - Suspected Minor Injury Crashes
- 3 C - Possible Injury Crashes
- 15 O - Property Damage Only/No Injury Crashes

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