



2018



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

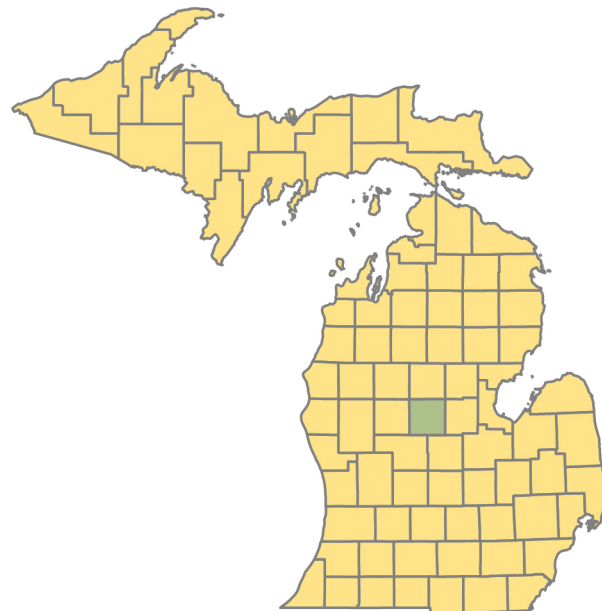
O = No Injury

Property Damage Only (PDO)



Isabella County

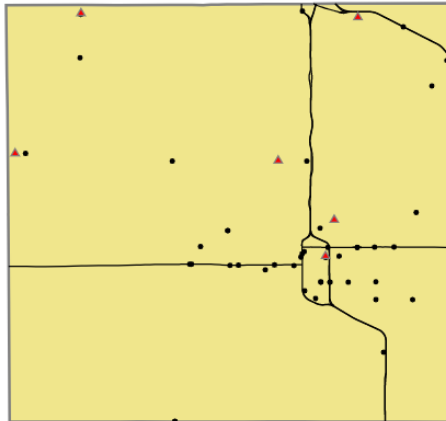
2018 Traffic Crash Data & 2014-2018 5-Year Trends



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 (6/6)
- A - Suspected Serious (44/44)

2018 - Crashes and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only (PDO)	Fatalities	Injuries
January	255	0	33	222	0	45
February	196	0	18	178	0	23
March	211	0	27	184	0	36
April	219	1	33	185	1	49
May	179	1	21	157	1	31
June	207	0	28	179	0	43
July	160	0	32	128	0	55
August	138	1	36	101	1	50
September	201	1	38	162	2	58
October	323	0	28	295	0	36
November	385	0	24	361	0	32
December	238	2	37	199	2	61
Total	2,712	6	355	2,351	7	519

Isabella County

In 2018:

There were 3,832 drivers involved in 2,712 motor vehicle crashes in Isabella County. Of those crashes, 6 were classified as fatal, resulting in 7 fatalities. An additional 519 persons were injured.

Isabella County experienced the highest number of motor vehicle crashes (385) in November, the highest number of fatal crashes (2) in December, and the highest number of persons killed (2) in September and December.

Michigan driver statistics indicate 7.6 percent of licensed drivers in Isabella County were age 16-20, and 14.0 percent of drivers in crashes were also in that age group.

2018 - Driver Statistics

Age Group	Isabella County			Driver Rates	
	2018 Population	Licensed Drivers	Drivers in Crashes	Per 10k Population	Per 10k Licensed
0 - 15	10,734	302	5	4.7	165.6
16 - 20	10,543	3,078	538	510.3	1,747.9
21 - 24	10,044	3,366	590	587.4	1,752.8
25 - 64	30,332	25,528	2,174	716.7	851.6
65 +	8,909	8,068	390	437.8	483.4
Unknown	0	0	135	--	--
Total	70,562	40,342	3,832	543.1	949.9

2018 - 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	3,019	78.8	8	72.7	442	2,569
Motor home	42	1.1	0	0.0	8	34
Pickup truck	581	15.2	1	9.1	91	489
Small truck under 10,000 lbs. GVWR	36	0.9	0	0.0	5	31
Motorcycle	27	0.7	1	9.1	20	6
Moped / goped	0	0.0	0	0.0	0	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	3	0.1	0	0.0	3	0
Other	18	0.5	0	0.0	3	15
Truck/bus over 10,000 lbs.	71	1.9	1	9.1	13	57
Unknown	35	0.9	0	0.0	1	34
Total	3,832	100.0	11	100.0	586	3,235

5-Year Trend - Crashes by Month

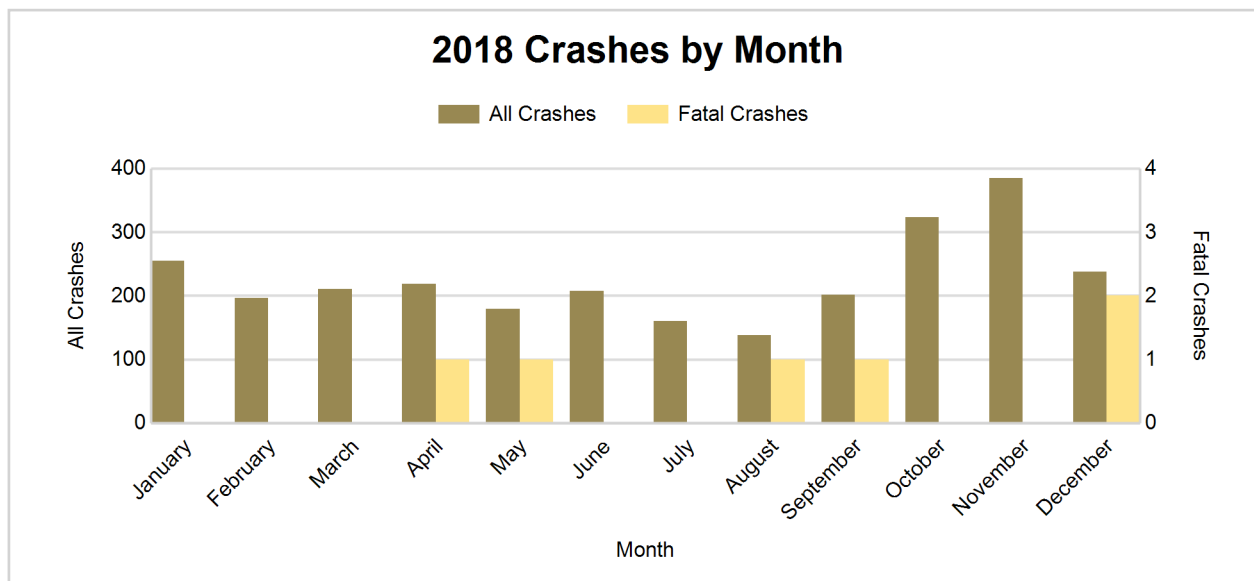
Month	2014		2015		2016		2017		2018	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
January	330	0	269	0	285	1	250	2	255	0
February	229	2	229	0	240	0	202	0	196	0
March	184	1	158	0	225	0	196	1	211	0
April	161	0	190	1	178	0	185	0	219	1
May	145	0	186	0	209	0	179	1	179	1
June	186	0	159	3	165	1	214	1	207	0
July	127	2	152	5	143	0	164	0	160	0
August	156	1	127	3	156	0	176	2	138	1
September	187	0	211	2	239	0	198	2	201	1
October	296	1	327	0	346	1	368	2	323	0
November	399	3	337	1	362	0	325	0	385	0
December	203	1	210	0	311	1	355	0	238	2
Total	2,603	11	2,555	15	2,859	4	2,812	11	2,712	6

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

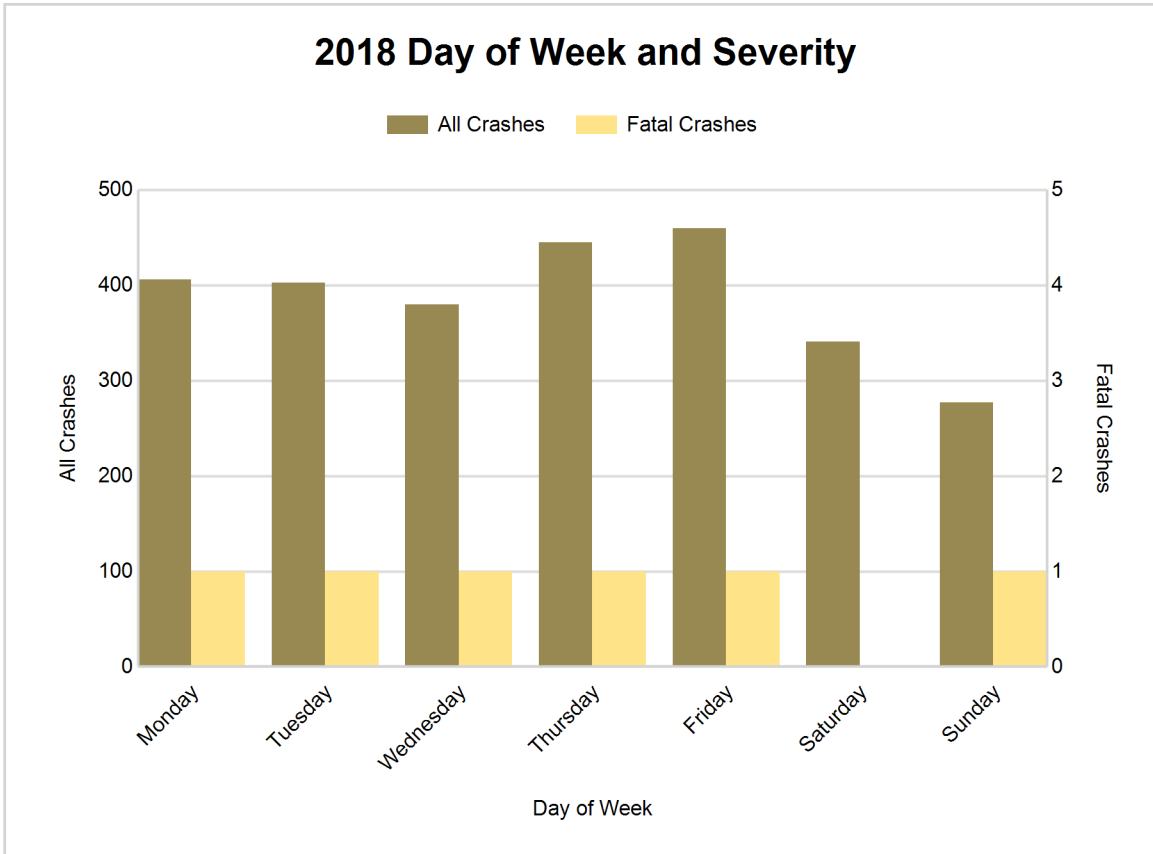
Day	2014		2015		2016		2017		2018	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Monday	309	0	377	1	366	0	431	1	406	1
Tuesday	367	1	401	2	416	0	404	1	403	1
Wednesday	383	0	395	3	499	0	415	3	380	1
Thursday	395	3	374	2	454	1	410	0	445	1
Friday	522	2	385	4	462	0	500	1	460	1
Saturday	339	1	353	2	360	3	359	4	341	0
Sunday	288	4	270	1	302	0	293	1	277	1
Total	2,603	11	2,555	15	2,859	4	2,812	11	2,712	6

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



2018 - Crashes by Day of Week

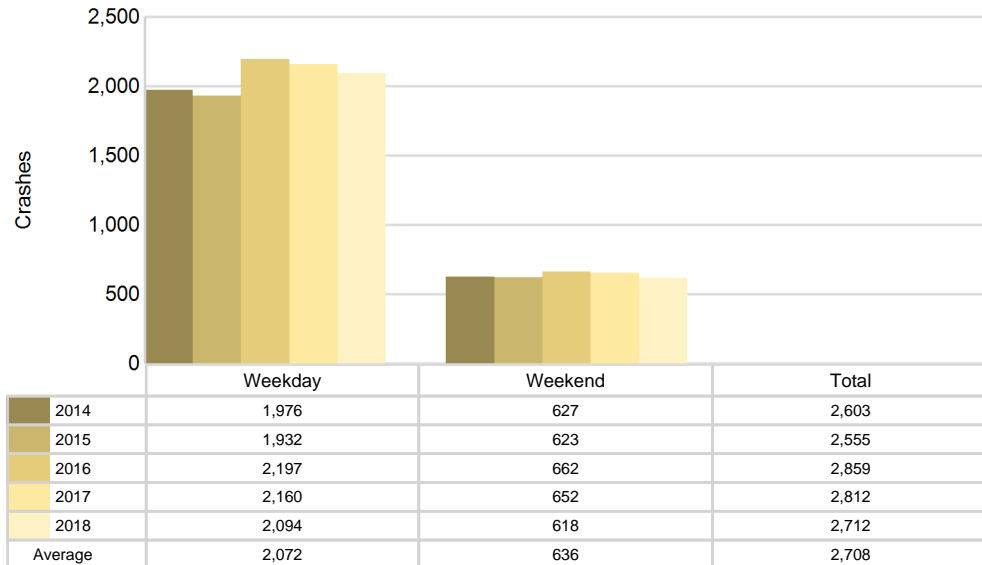
Day	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	Number
Monday	406	15.0	1	16.7	6	16	26	357
Tuesday	403	14.9	1	16.7	14	14	31	343
Wednesday	380	14.0	1	16.7	3	13	28	335
Thursday	445	16.4	1	16.7	4	19	24	397
Friday	460	17.0	1	16.7	7	29	32	391
Saturday	341	12.6	0	0.0	7	20	24	290
Sunday	277	10.2	1	16.7	3	12	23	238
Total	2,712	100.0	6	100.0	44	123	188	2,351



5-Year Trend - Crashes by Weekday and Weekend

Portion of Week	2014		2015		2016		2017		2018	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Weekday	1,976	6	1,932	12	2,197	1	2,160	6	2,094	5
Weekend	627	5	623	3	662	3	652	5	618	1
Total	2,603	11	2,555	15	2,859	4	2,812	11	2,712	6

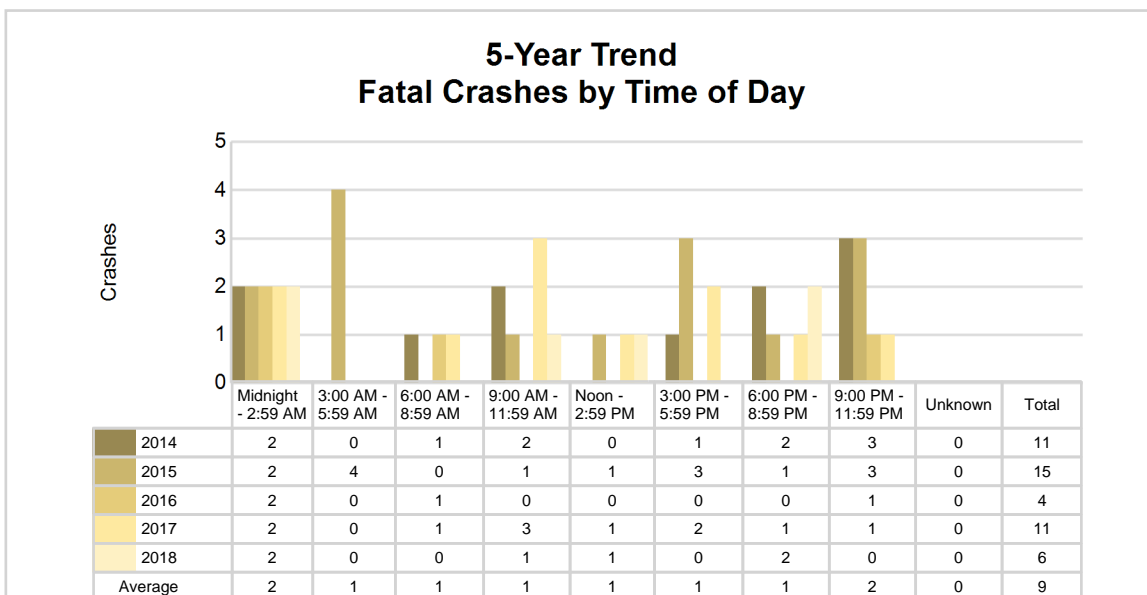
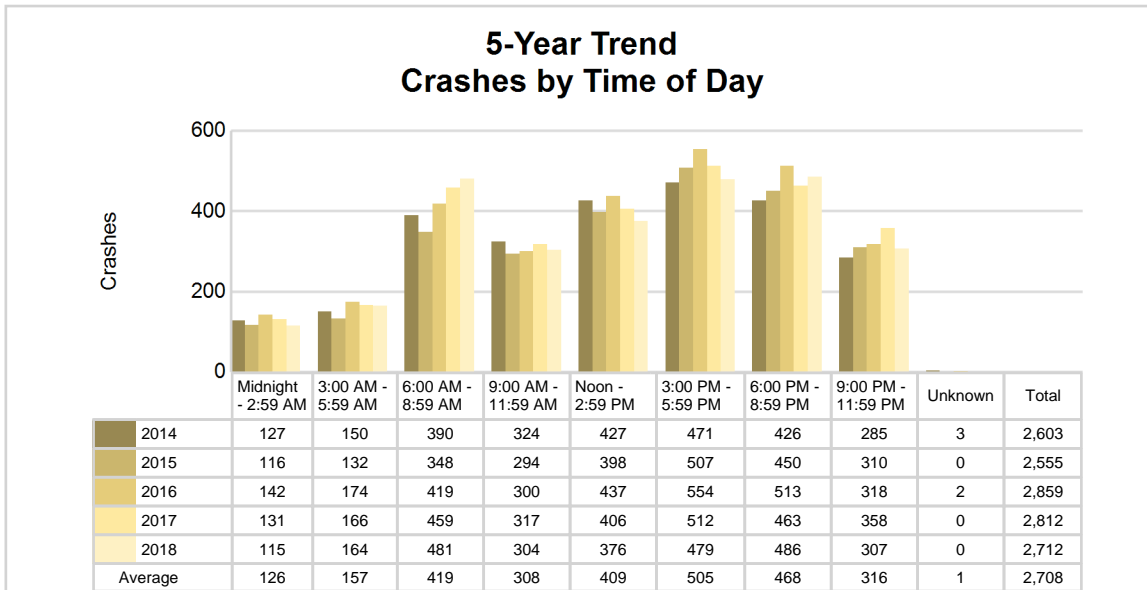
5-Year Crash Trends by Weekday (Monday - Friday) and Weekend (Saturday & Sunday)



5-Year Trend - Crashes by Time of Day

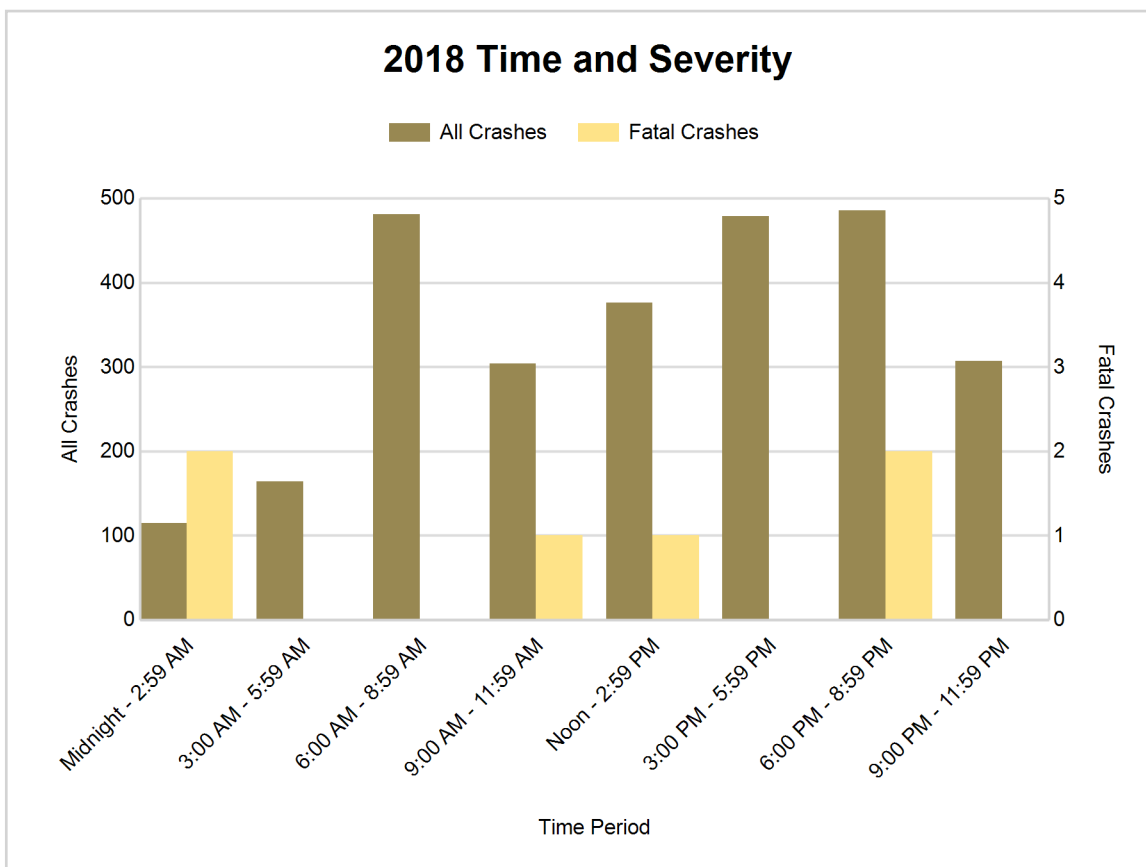
Time of Day	2014		2015		2016		2017		2018	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	127	2	116	2	142	2	131	2	115	2
3:00 AM - 5:59 AM	150	0	132	4	174	0	166	0	164	0
6:00 AM - 8:59 AM	390	1	348	0	419	1	459	1	481	0
9:00 AM - 11:59 AM	324	2	294	1	300	0	317	3	304	1
Noon - 2:59 PM	427	0	398	1	437	0	406	1	376	1
3:00 PM - 5:59 PM	471	1	507	3	554	0	512	2	479	0
6:00 PM - 8:59 PM	426	2	450	1	513	0	463	1	486	2
9:00 PM - 11:59 PM	285	3	310	3	318	1	358	1	307	0
Unknown	3	0	0	0	2	0	0	0	0	0
Total	2,603	11	2,555	15	2,859	4	2,812	11	2,712	6

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



2018 - Time and Severity

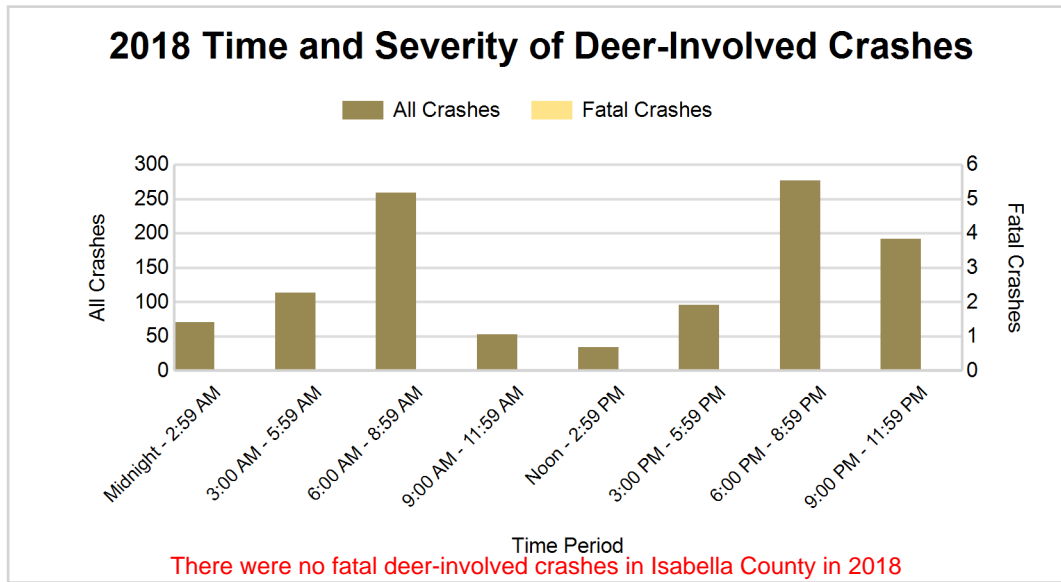
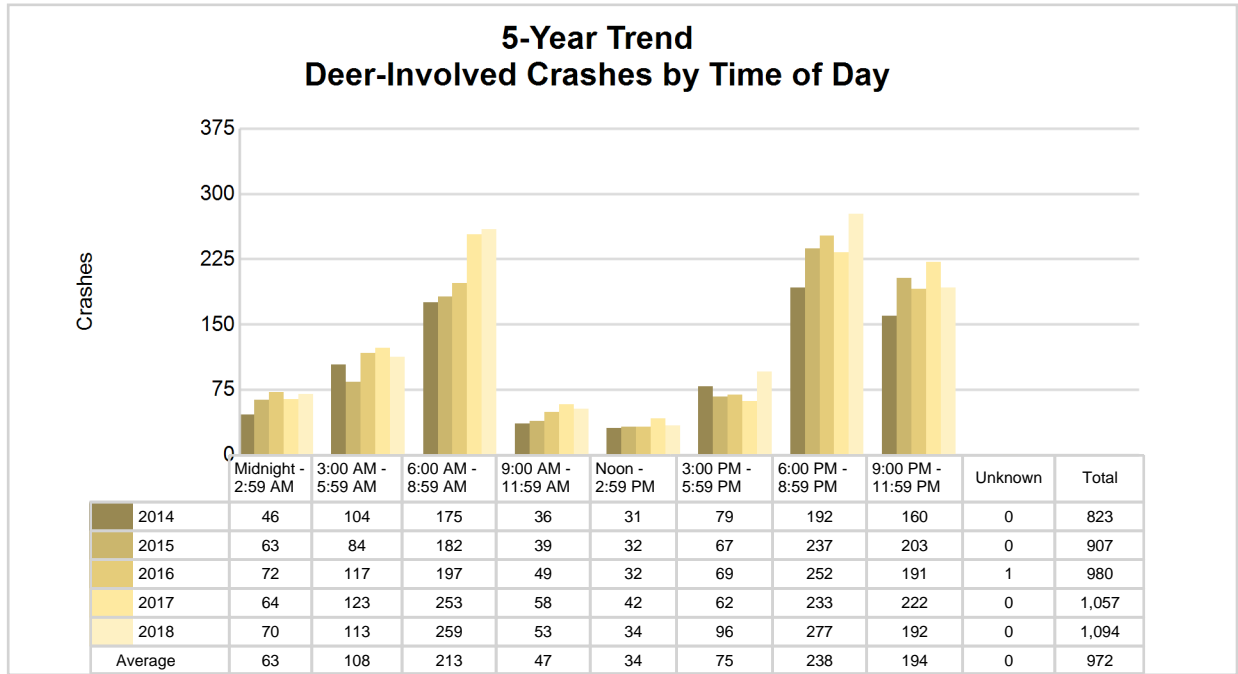
Time of Day	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	Number
Midnight - 2:59 AM	115	4.2	2	33.3	1	10	6	96
3:00 AM - 5:59 AM	164	6.0	0	0.0	2	5	8	149
6:00 AM - 8:59 AM	481	17.7	0	0.0	5	13	25	438
9:00 AM - 11:59 AM	304	11.2	1	16.7	6	11	26	260
Noon - 2:59 PM	376	13.9	1	16.7	6	28	35	306
3:00 PM - 5:59 PM	479	17.7	0	0.0	12	33	40	394
6:00 PM - 8:59 PM	486	17.9	2	33.3	4	12	24	444
9:00 PM - 11:59 PM	307	11.3	0	0.0	8	11	24	264
Unknown	0	0.0	0	0.0	0	0	0	0
Total	2,712	100.0	6	100.0	44	123	188	2,351



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

Time of Day	2014		2015		2016		2017		2018	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	46	0	63	0	72	0	64	0	70	0
3:00 AM - 5:59 AM	104	0	84	0	117	0	123	0	113	0
6:00 AM - 8:59 AM	175	0	182	0	197	0	253	0	259	0
9:00 AM - 11:59 AM	36	0	39	0	49	0	58	0	53	0
Noon - 2:59 PM	31	0	32	0	32	0	42	0	34	0
3:00 PM - 5:59 PM	79	0	67	0	69	0	62	0	96	0
6:00 PM - 8:59 PM	192	0	237	0	252	0	233	0	277	0
9:00 PM - 11:59 PM	160	0	203	0	191	0	222	0	192	0
Unknown	0	0	0	0	1	0	0	0	0	0
Total	823	0	907	0	980	0	1,057	0	1,094	0

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

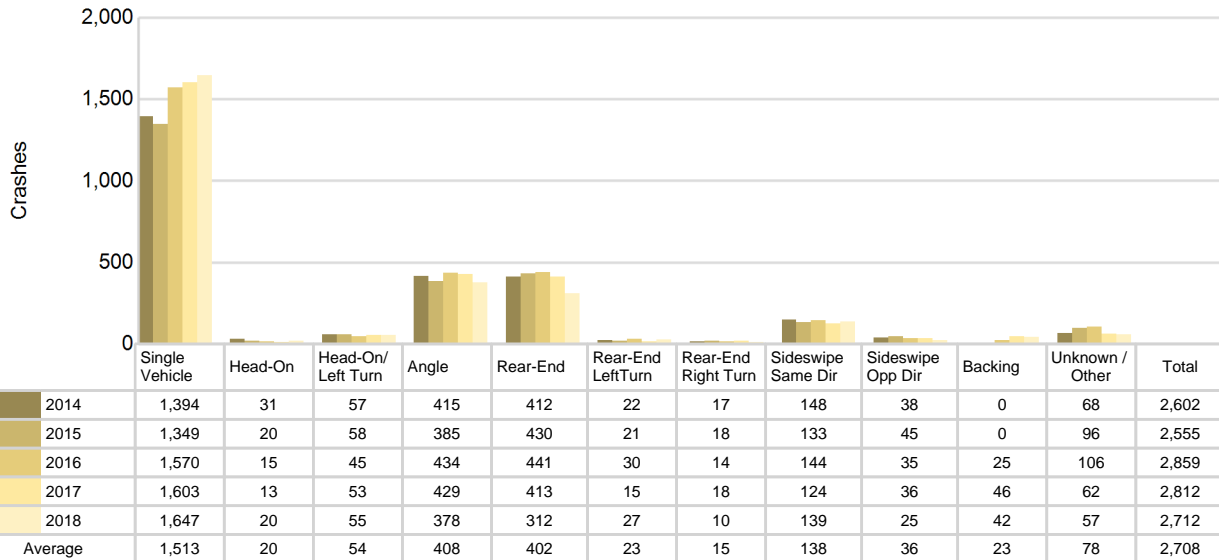


There were no fatal deer-involved crashes in Isabella County in 2018

5-Year Trend - Crashes by Crash Type

Crash Type	2014		2015		2016		2017		2018	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Single motor vehicle	1,394	5	1,349	9	1,570	2	1,603	6	1,647	3
Head-on	31	3	20	1	15	0	13	1	20	0
Head-on / left turn	57	0	58	0	45	0	53	1	55	0
Angle	415	3	385	5	434	1	429	1	378	1
Rear-end	412	0	430	0	441	0	413	1	312	0
Rear-end left turn	22	0	21	0	30	0	15	0	27	1
Rear-end right turn	17	0	18	0	14	0	18	0	10	0
Sideswipe same direction	148	0	133	0	144	0	124	0	139	0
Sideswipe opposite direction	38	0	45	0	35	0	36	1	25	0
Backing	0	0	0	0	25	0	46	0	42	0
Other / Unknown	68	0	96	0	106	1	62	0	57	1
Uncoded and Errors	1	0	0	0	0	0	0	0	0	0
Total	2,603	11	2,555	15	2,859	4	2,812	11	2,712	6

5-Year Trend
Crashes by Crash Type



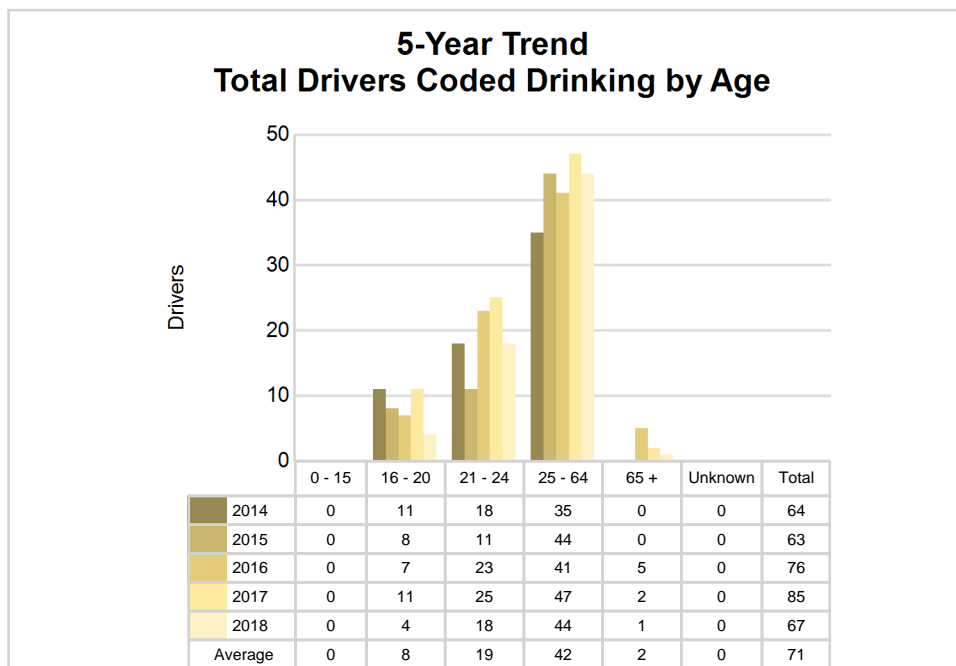
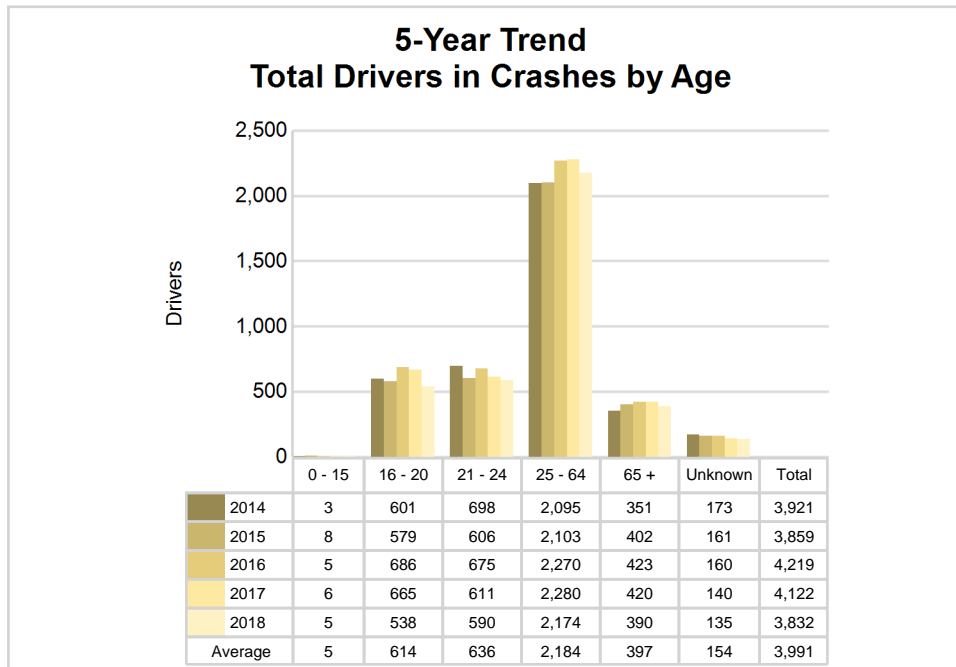
Isabella County (continued)

2018 - 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
Broomfield Twp.	90	0	4	86	0	0	49	40	0	0	68	0	5
Chippewa Twp.	192	0	36	156	0	10	64	118	7	0	70	0	53
Clare	7	0	0	7	0	6	0	1	0	0	1	0	0
Coe Twp.	145	0	13	132	0	95	0	50	3	0	73	0	16
Coldwater Twp.	51	1	6	44	0	0	0	51	1	1	32	1	7
Deerfield Twp.	196	0	18	178	0	0	82	114	3	1	131	0	23
Denver Twp.	43	0	6	37	0	0	0	43	4	2	22	0	9
Fremont Twp.	62	0	5	57	0	0	0	62	3	1	43	0	6
Gilmore Twp.	69	0	6	63	0	0	0	69	0	0	53	0	9
Isabella Twp.	85	1	9	75	0	40	0	45	2	0	46	1	13
Lake Isabella	22	0	2	20	0	0	0	22	1	0	11	0	2
Lincoln Twp.	107	0	8	99	0	0	0	107	1	0	69	0	10
Mt. Pleasant	635	0	90	545	0	263	83	288	18	5	23	0	122
Nottawa Twp.	73	0	10	63	0	0	0	73	2	1	43	0	13
Rolland Twp.	43	0	7	36	0	0	0	43	1	0	22	0	10
Rosebush	26	0	3	23	0	20	0	6	0	0	15	0	4
Shepherd	14	0	2	12	0	0	0	14	0	0	3	0	2
Sherman Twp.	66	1	6	59	0	0	0	64	3	0	40	1	10
Union Twp.	551	2	97	452	0	99	106	344	14	5	180	2	166
Vernon Twp.	139	0	15	124	0	81	0	58	2	0	91	0	21
Wise Twp.	96	1	12	83	0	41	0	55	3	1	58	2	18
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	2,712	6	355	2,351	0	655	384	1,667	68	17	1,094	7	519

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

Driver Age	2014		2015		2016		2017		2018	
	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	3	0	8	0	5	0	6	0	5	0
16 - 20	601	11	579	8	686	7	665	11	538	4
21 - 24	698	18	606	11	675	23	611	25	590	18
25 - 64	2,095	35	2,103	44	2,270	41	2,280	47	2,174	44
65 +	351	0	402	0	423	5	420	2	390	1
Unknown	173	0	161	0	160	0	140	0	135	0
Total	3,921	64	3,859	63	4,219	76	4,122	85	3,832	67



2018 - 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	9	4	3	4	0	1	2	0	1
21 - 24	20	17	15	18	0	1	6	6	5
25 - 64	58	40	32	44	1	2	12	13	16
65 +	2	3	1	1	0	0	0	1	0
Unknown	2	0	0	0	0	0	0	0	0
Total	91	64	51	67	1	4	20	20	22

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

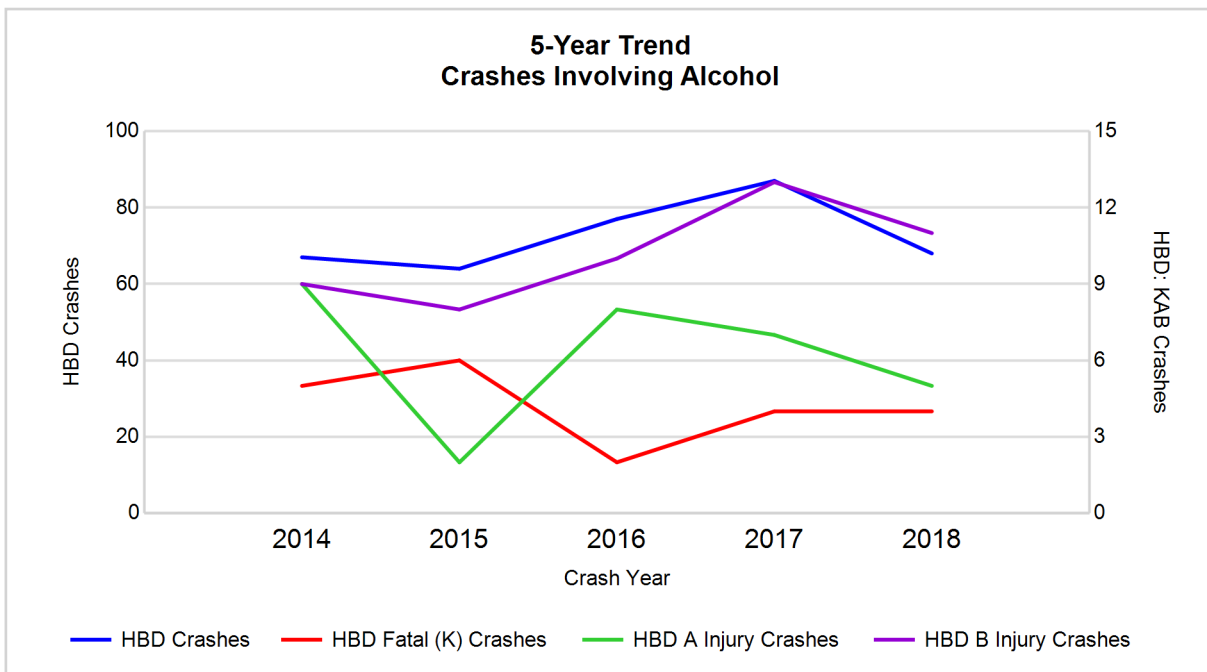
In 2018, there were 91 drivers in alcohol-involved crashes; 67 (73.6%) of those drivers were coded as had-been-drinking by the officer on the crash form.

- 40 (59.7%) of the 67 drivers had a blood alcohol concentration (BAC) of 0.08 g/dL (grams per deciliter) or greater, and 20 (50.0%) of the 40 drivers had a BAC at or above 0.17 g/dL.
- 51 (76.1%) of the 67 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
2014	2,603	67	2.6	11	5	45.5	35	9	25.7	114	9	7.9
2015	2,555	64	2.5	15	6	40.0	34	2	5.9	119	8	6.7
2016	2,859	77	2.7	4	2	50.0	37	8	21.6	131	10	7.6
2017	2,812	87	3.1	11	4	36.4	45	7	15.6	120	13	10.8
2018	2,712	68	2.5	6	4	66.7**	44	5	11.4	123	11	8.9

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

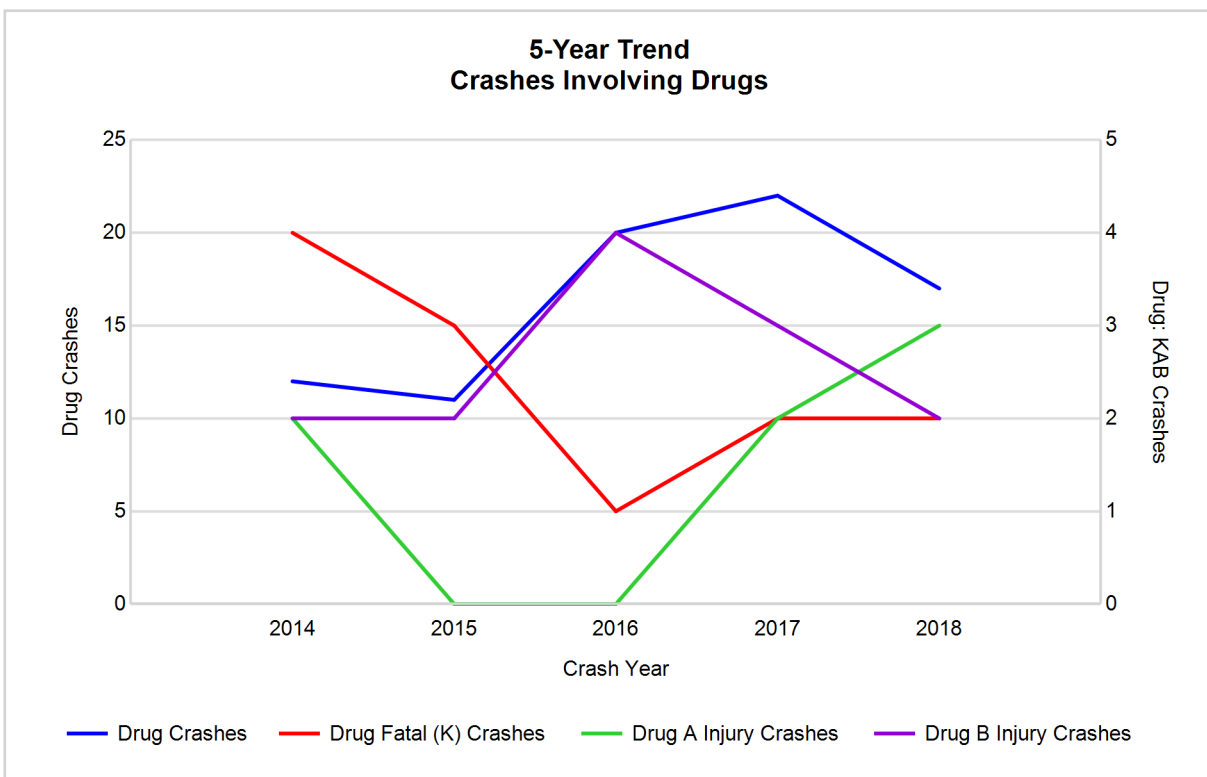


Note: Had-Been-Drinking (HBD)

5-Year Trend - Crashes Involving Drugs

Year	All Crashes	Drug Crashes	% Drug	Fatal Crashes	Drug Fatal Crashes	% Drug	A Injury Crashes	Drug A Injury Crashes	% Drug	B Injury Crashes	Drug B Injury Crashes	% Drug
2014	2,603	12	0.5	11	4	36.4	35	2	5.7	114	2	1.8
2015	2,555	11	0.4	15	3	20.0	34	0	0.0	119	2	1.7
2016	2,859	20	0.7	4	1	25.0	37	0	0.0	131	4	3.1
2017	2,812	22	0.8	11	2	18.2	45	2	4.4	120	3	2.5
2018	2,712	17	0.6	6	2	33.3	44	3**	6.8**	123	2	1.6*

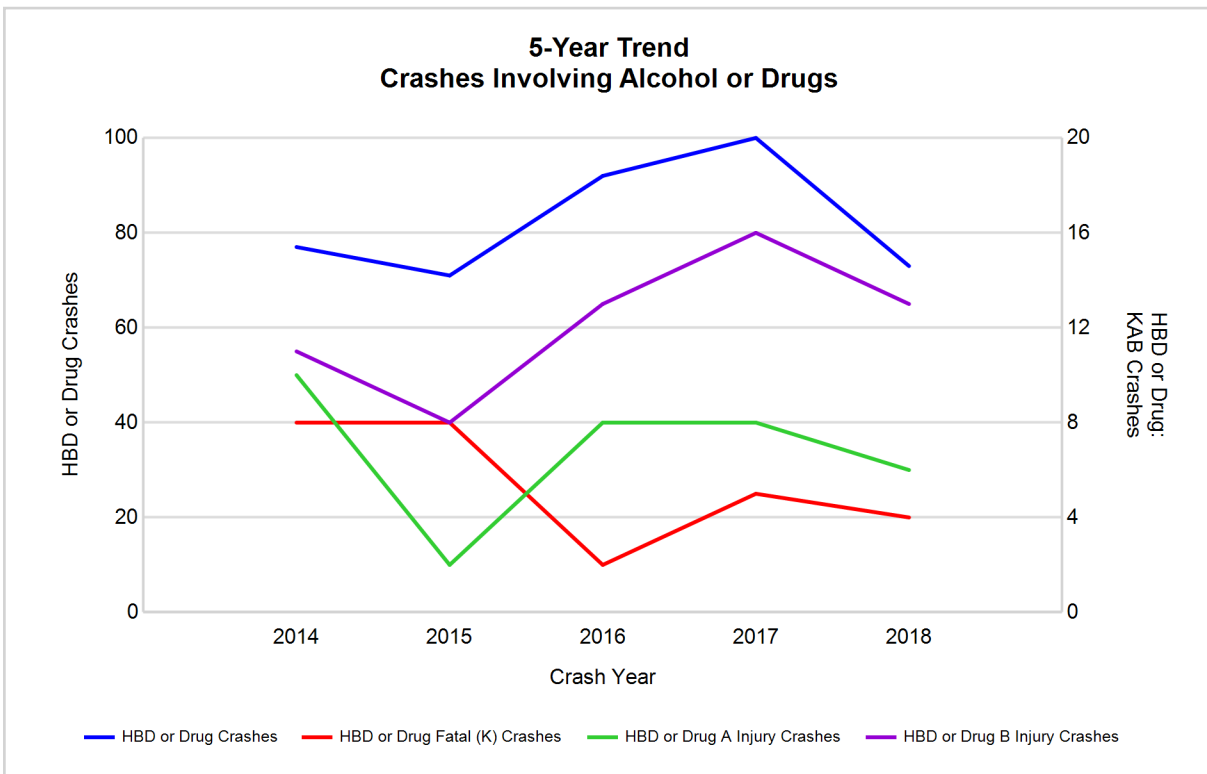
Note: * Indicates that the most recent year is the lowest number or percentage reported in the 5-year period in that column
 ** Indicates that the most recent year is the highest number or percentage reported in the 5-year period in that column



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
2014	2,603	77	3.0	11	8	72.7	35	10	28.6	114	11	9.6
2015	2,555	71	2.8	15	8	53.3	34	2	5.9	119	8	6.7
2016	2,859	92	3.2	4	2	50.0	37	8	21.6	131	13	9.9
2017	2,812	100	3.6	11	5	45.5	45	8	17.8	120	16	13.3
2018	2,712	73	2.7*	6	4	66.7	44	6	13.6	123	13	10.6

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)

2018 - 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	3,134	2,960	94.4	5	3	60.0	44	36	81.8	118	106	89.8	236	223	94.5	2,658	2,592	97.5
Motor home	43	41	95.3	0	0	0.0	0	0	0.0	2	2	100.0	2	2	100.0	38	37	97.4
Pickup truck	605	567	93.7	1	0	0.0	7	5	71.4	20	16	80.0	45	41	91.1	525	505	96.2
Small truck under 10,000 lbs. GVWR	36	33	91.7	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	34	33	97.1
Motorcycle	30	21	70.0	1	1	100.0	4	2	50.0	12	8	66.7	5	4	80.0	6	6	100.0
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	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	3	1	33.3	0	0	0.0	0	0	0.0	1	0	0.0	2	1	50.0	0	0	0.0
Other	18	15	83.3	0	0	0.0	0	0	0.0	1	1	100.0	0	0	0.0	16	14	87.5
Truck/bus over 10,000 lbs.	71	67	94.4	0	0	0.0	1	1	100.0	1	1	100.0	2	2	100.0	66	63	95.5
Unknown	35	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	2	0	0.0
Total	3,975	3,705	93.2	7	4	0.0	56	44	78.6	155	134	86.5	292	273	93.5	3,345	3,250	97.2

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.

2018 - 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	32	31	96.9	0	0	0.0	1	1	100.0	10	9	90.0	17	17	100.0	4	4	100.0
16 - 20	562	548	97.5	1	0	0.0	4	4	100.0	25	22	88.0	53	51	96.2	479	471	98.3
21 - 24	608	578	95.1	0	0	0.0	6	4	66.7	20	16	80.0	35	27	77.1	542	531	98.0
25 - 64	2,227	2,147	96.4	3	1	33.3	37	29	78.4	71	59	83.1	141	134	95.0	1,975	1,924	97.4
65 +	411	401	97.6	3	3	100.0	8	6	75.0	29	28	96.6	45	44	97.8	326	320	98.2
Unknown	135	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0	19	0	0.0
Total	3,975	3,705	93.2	7	4	0.0	56	44	78.6	155	134	86.5	292	273	93.5	3,345	3,250	97.2

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	2014			2015			2016			2017			2018		
	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	7	0	1	8	0	2	10	0	2	10	0	2	2	0	0
Shoulder belt only used	5	0	1	1	0	0	5	0	1	5	0	0	13	0	1
Lap belt only used	8	0	1	5	0	2	4	0	0	3	0	1	2	0	0
Both lap & shoulder belts used	3,596	4	274	3,534	8	268	3,882	1	319	3,804	3	321	3,548	2	316
No belts used	30	2	17	18	1	8	18	2	6	25	2	15	20	2	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	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Restraint failure	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Restraint use unknown	107	2	9	121	1	11	253	0	17	252	2	16	219	0	13
Helmet worn	14	0	9	13	0	12	17	0	11	12	0	9	20	1	13
Helmet not worn	4	0	4	12	0	10	15	1	5	9	0	8	8	0	8
Helmet use unknown	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0
Uncoded & errors	149	0	0	146	0	1	15	0	0	0	0	0	0	0	0
Total	3,921	8	316	3,859	10	314	4,219	4	361	4,122	7	374	3,832	5	362

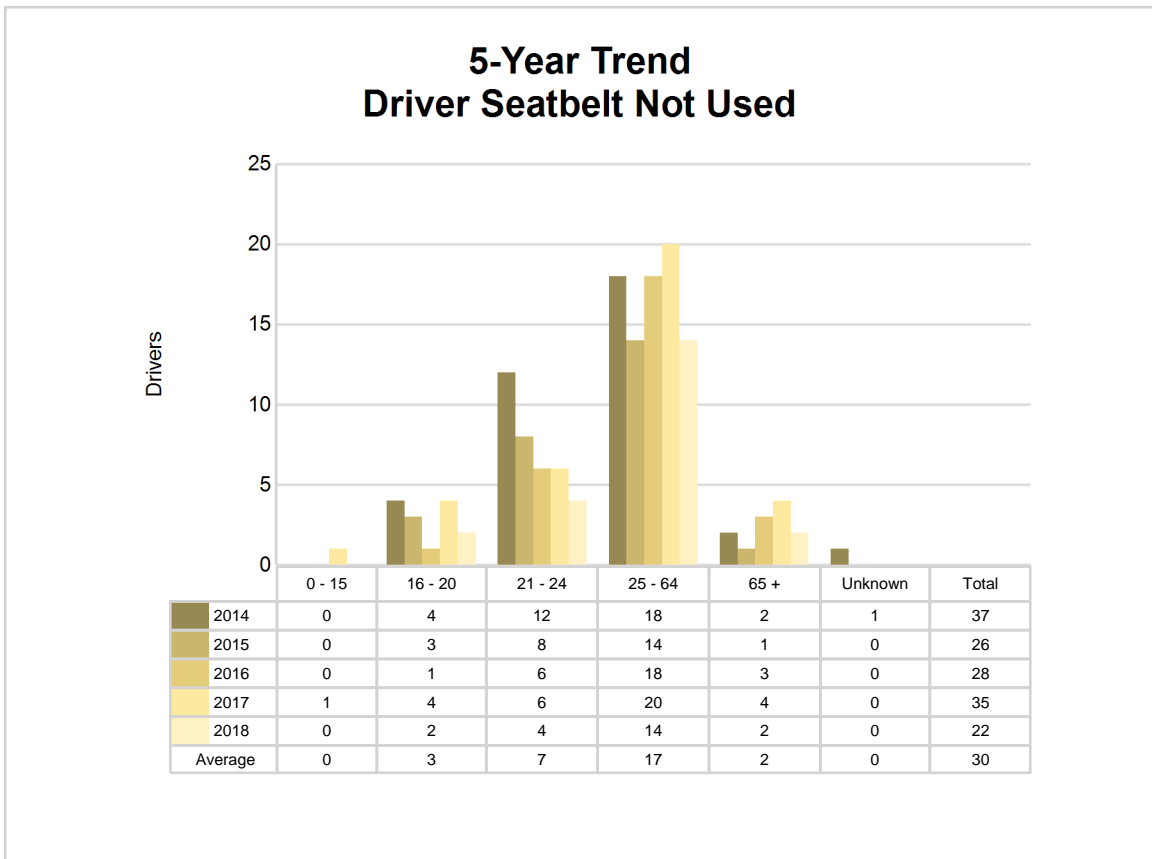
5-Year Trend - Restraint Use Among Drivers Coded Drinking

Restraint Use	2014			2015			2016			2017			2018		
	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	0	0	0	1	0	1	0	0	0	0	0	0
Shoulder belt only used	0	0	0	0	0	0	0	0	0	1	0	0	2	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	53	1	13	49	4	8	56	1	11	61	0	12	43	0	13
No belts used	3	0	3	2	1	1	4	0	3	6	0	4	5	2	3
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	7	1	3	9	0	1	14	0	4	13	2	4	14	0	4
Helmet worn	1	0	1	1	0	1	0	0	0	2	0	1	2	1	1
Helmet not worn	0	0	0	2	0	1	1	1	0	2	0	2	1	0	1
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	64	2	20	63	5	12	76	2	19	85	2	23	67	3	22

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

Age Group	2014			2015			2016			2017			2018		
	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	0	0	0	1	0	1	0	0	0
16 - 20	4	0	3	3	0	1	1	0	0	4	0	3	2	1	1
21 - 24	12	0	7	8	1	2	6	0	1	6	0	3	4	0	4
25 - 64	18	1	7	14	0	6	18	2	7	20	2	10	14	1	5
65 +	2	1	1	1	0	1	3	0	0	4	0	0	2	0	1
Unknown	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	37	2	18	26	1	10	28	2	8	35	2	17	22	2	11

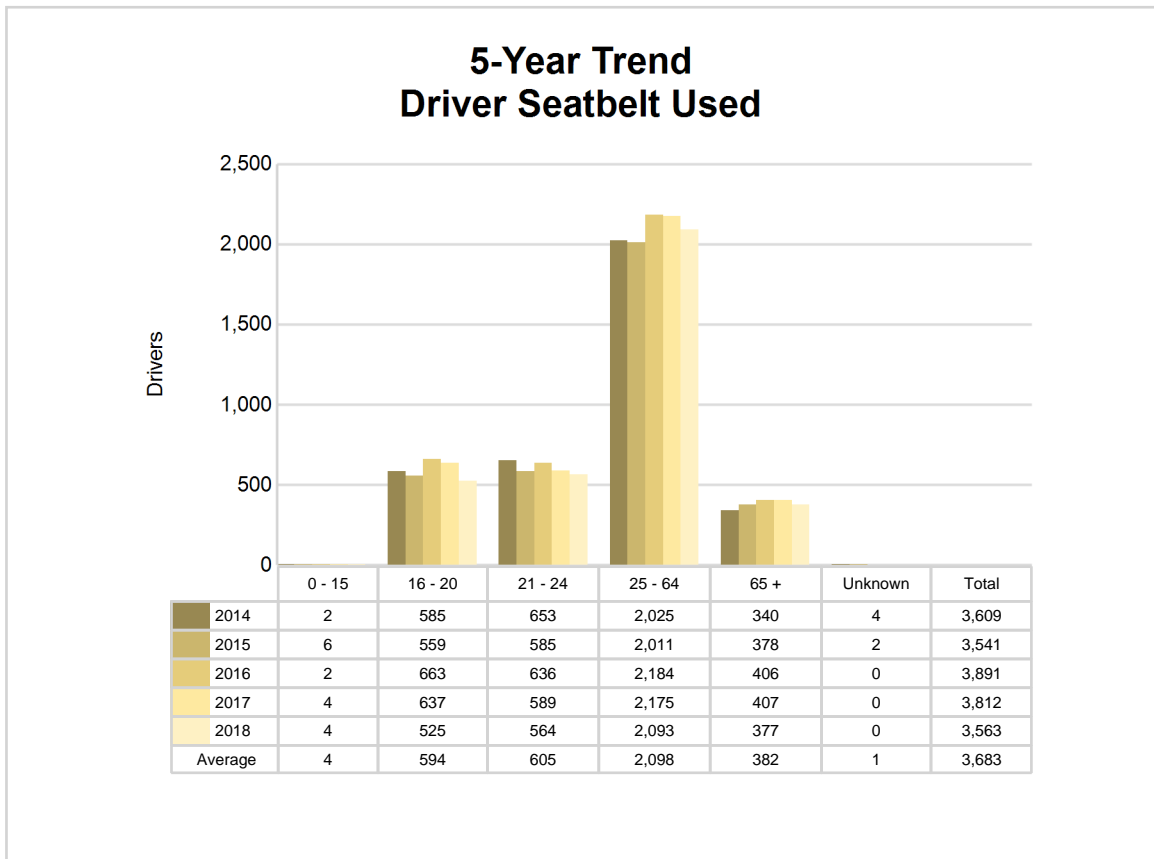
Note: Seatbelt Not Used includes no belts available or no belts used.



5-Year Trend - Seatbelt Used Among Drivers by Age

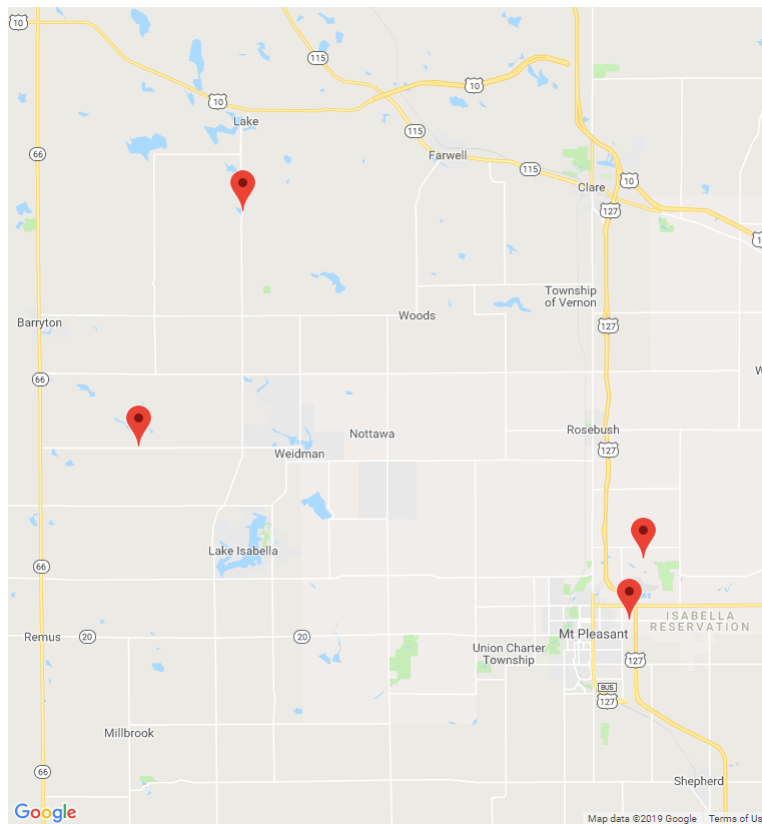
Age Group	2014			2015			2016			2017			2018		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
0 - 15	2	0	0	6	0	0	2	0	1	4	0	0	4	0	0
16 - 20	585	0	42	559	1	41	663	0	61	637	1	58	525	0	55
21 - 24	653	0	52	585	0	42	636	1	46	589	1	51	564	0	35
25 - 64	2,025	4	139	2,011	4	151	2,184	0	180	2,175	0	179	2,093	0	172
65 +	340	0	42	378	3	36	406	0	32	407	1	34	377	2	55
Unknown	4	0	1	2	0	0	0	0	0	0	0	0	0	0	0
Total	3,609	4	276	3,541	8	270	3,891	1	320	3,812	3	322	3,563	2	317

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	2014		2015		2016		2017		2018	
	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	2,223	7	2,337	9	2,521	2	2,480	7	2,344	5
Speed too fast	382	2	247	5	324	1	304	2	343	3
Speed too slow	2	0	3	0	2	0	2	0	1	0
Failed to yield	383	2	401	3	414	0	430	3	392	0
Disregard traffic control	52	1	66	1	73	1	81	1	80	1
Drove wrong way	3	1	3	0	2	0	1	0	0	0
Drove left of center	27	3	18	0	19	0	19	1	11	0
Improper passing	16	0	18	0	14	0	12	0	17	0
Improper lane use	54	0	71	0	59	0	49	0	55	0
Improper turn	64	0	52	0	48	0	52	0	26	0
Improper/no signal	4	0	5	0	6	0	3	0	2	0
Improper backing	50	0	65	0	54	0	47	0	43	0
Unable to stop in assured clear distance	405	0	382	1	415	0	370	1	278	0
Other	94	0	82	0	105	2	107	0	72	0
Unknown	59	1	33	1	69	0	73	2	55	0
Reckless driving	15	0	17	1	15	0	10	0	17	1
Careless/negligent driving	80	1	58	1	79	0	82	0	96	1
Uncoded & errors	8	0	1	0	0	0	0	0	0	0
Total	3,921	18	3,859	22	4,219	6	4,122	17	3,832	11



The picture above represents all 2018 alcohol-involved fatal crashes in Isabella County.

In 2018, there were 68 alcohol-involved crashes in Isabella County:

- 4 K - Fatal Crashes
- 5 A - Suspected Serious Injury Crashes
- 11 B - Suspected Minor Injury Crashes
- 11 C - Possible Injury Crashes
- 37 O - Property Damage Only/No Injury Crashes

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