MICHIGAN

OHSP

Office of Highway Safety Planning

2017

MTCF
Michigan Traffic
Crash Facts

Michigan Traffic Crash Facts

Isabella County

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

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TRANSPORTATION RESEARCH INSTITUTE

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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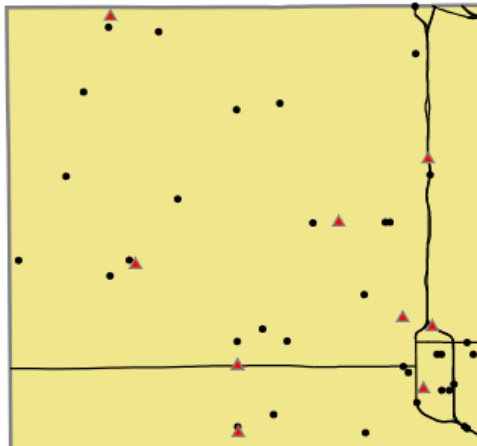
Isabella County

Crashes by most severe injury (mapped/actual)
▲ K - Fatal (11/11)
● A - Suspected Serious (45/45)

Isabella County

In 2017:

There were 4,122 drivers involved in 2,812 motor vehicle crashes in Isabella County. Of those crashes, 11 were classified as fatal, resulting in 12 fatalities. An additional 542 persons were injured.

Isabella County experienced the highest number of motor vehicle crashes (368) in October, the highest number of fatal crashes (2) in January, August, September, and October, and the highest number of persons killed (3) in September.

Michigan driver statistics indicate 7.4 percent of licensed drivers in Isabella County were age 16-20, and 16.1 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	250	2	31	217	2	39
February	202	0	23	179	0	37
March	196	1	30	165	1	45
April	185	0	17	168	0	36
May	179	1	31	147	1	42
June	214	1	29	184	1	42
July	164	0	35	129	0	40
August	176	2	33	141	2	50
September	198	2	29	167	3	40
October	368	2	35	331	2	53
November	325	0	38	287	0	51
December	355	0	48	307	0	67
Total	2,812	11	379	2,422	12	542

2017 - Driver Statistics

Age Group	Isabella County			Driver Rates	
	2017 Population	Licensed Drivers	Drivers in Crashes	Per 10k Population	Per 10k Licensed
0 - 15	10,770	302	6	5.6	198.7
16 - 20	10,956	2,975	665	607.0	2,235.3
21 - 24	10,338	3,515	611	591.0	1,738.3
25 - 64	30,430	25,686	2,280	749.3	887.6
65 +	8,569	7,751	420	490.1	541.9
Unknown	0	0	140	- -	- -
Total	71,063	40,229	4,122	580.0	1,024.6

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	3,244	78.7	11	64.7	508	2,725
Motor home	52	1.3	0	0.0	7	45
Pickup truck	649	15.7	5	29.4	99	545
Small truck under 10,000 lbs. GVWR	44	1.1	0	0.0	6	38
Motorcycle	15	0.4	0	0.0	12	3
Moped / goped	1	0.0	0	0.0	1	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	10	0.2	0	0.0	9	1
Other	10	0.2	0	0.0	2	8
Truck/bus over 10,000 lbs.	61	1.5	1	5.9	16	44
Unknown	36	0.9	0	0.0	4	32
Total	4,122	100.0	17	100.0	664	3,441

Isabella County (continued)

5-Year Trend - Crashes by Month

Month	2013 Total Crashes	2013 Fatal Crashes	2014 Total Crashes	2014 Fatal Crashes	2015 Total Crashes	2015 Fatal Crashes	2016 Total Crashes	2016 Fatal Crashes	2017 Total Crashes	2017 Fatal Crashes
January	247	1	330	0	269	0	285	1	250	2
February	255	0	229	2	229	0	240	0	202	0
March	225	0	184	1	158	0	225	0	196	1
April	190	0	161	0	190	1	178	0	185	0
May	189	2	145	0	186	0	209	0	179	1
June	167	0	186	0	159	3	165	1	214	1
July	120	0	127	2	152	5	143	0	164	0
August	165	0	156	1	127	3	156	0	176	2
September	227	1	187	0	211	2	239	0	198	2
October	282	0	296	1	327	0	346	1	368	2
November	361	0	399	3	337	1	362	0	325	0
December	273	0	203	1	210	0	311	1	355	0
Total	**2,701**	**4**	**2,603**	**11**	**2,555**	**15**	**2,859**	**4**	**2,812**	**11**

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 Total Crashes	2013 Fatal Crashes	2014 Total Crashes	2014 Fatal Crashes	2015 Total Crashes	2015 Fatal Crashes	2016 Total Crashes	2016 Fatal Crashes	2017 Total Crashes	2017 Fatal Crashes
Monday	377	1	309	0	377	1	366	0	431	1
Tuesday	388	1	367	1	401	2	416	0	404	1
Wednesday	379	0	383	0	395	3	499	0	415	3
Thursday	433	0	395	3	374	2	454	1	410	0
Friday	466	0	522	2	385	4	462	0	500	1
Saturday	365	1	339	1	353	2	360	3	359	4
Sunday	293	1	288	4	270	1	302	0	293	1
Total	**2,701**	**4**	**2,603**	**11**	**2,555**	**15**	**2,859**	**4**	**2,812**	**11**

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
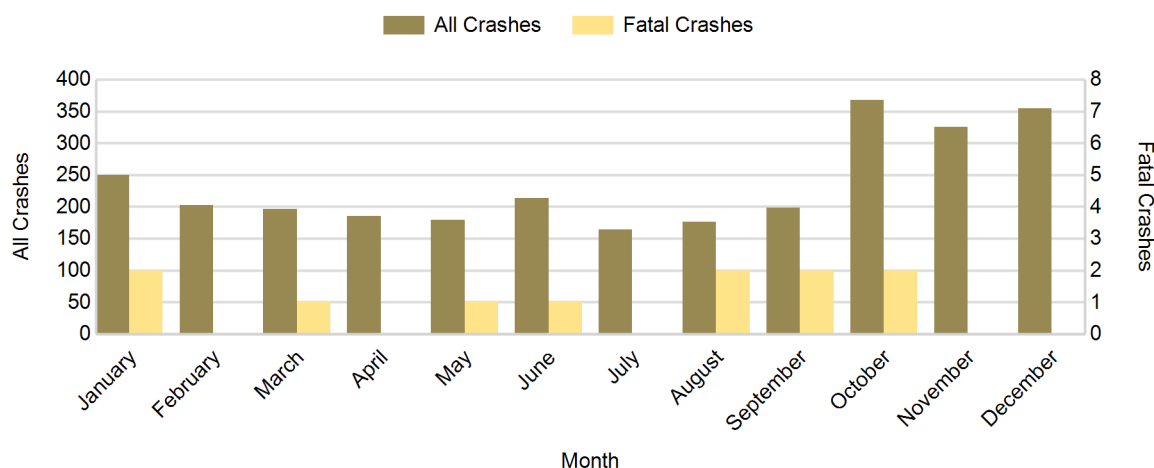
2017 - Crashes by Day of Week

Day	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	Number
Monday	431	15.3	1	9.1	7	17	39	367
Tuesday	404	14.4	1	9.1	12	14	28	349
Wednesday	415	14.8	3	27.3	5	10	30	367
Thursday	410	14.6	0	0.0	6	19	31	354
Friday	500	17.8	1	9.1	6	23	37	433
Saturday	359	12.8	4	36.4	3	15	31	306
Sunday	293	10.4	1	9.1	6	22	18	246
Total	2,812	100.0	11	100.0	45	120	214	2,422

2017 Day of Week and Severity

Isabella County (continued)
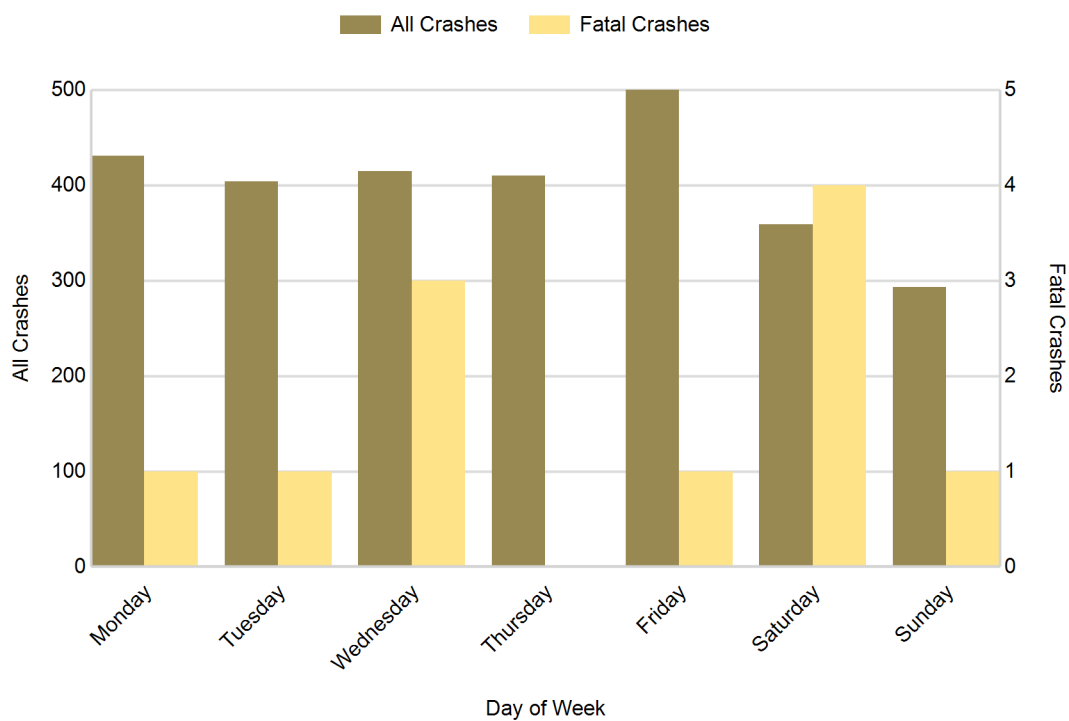
5-Year Trend - Crashes by Weekday and Weekend

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	2,043	2	1,976	6	1,932	12	2,197	1	2,160	6
Weekend	658	2	627	5	623	3	662	3	652	5
Total	**2,701**	**4**	**2,603**	**11**	**2,555**	**15**	**2,859**	**4**	**2,812**	**11**

5-Year Crash Trends by Weekday (Monday - Friday) and Weekend (Saturday & Sunday)
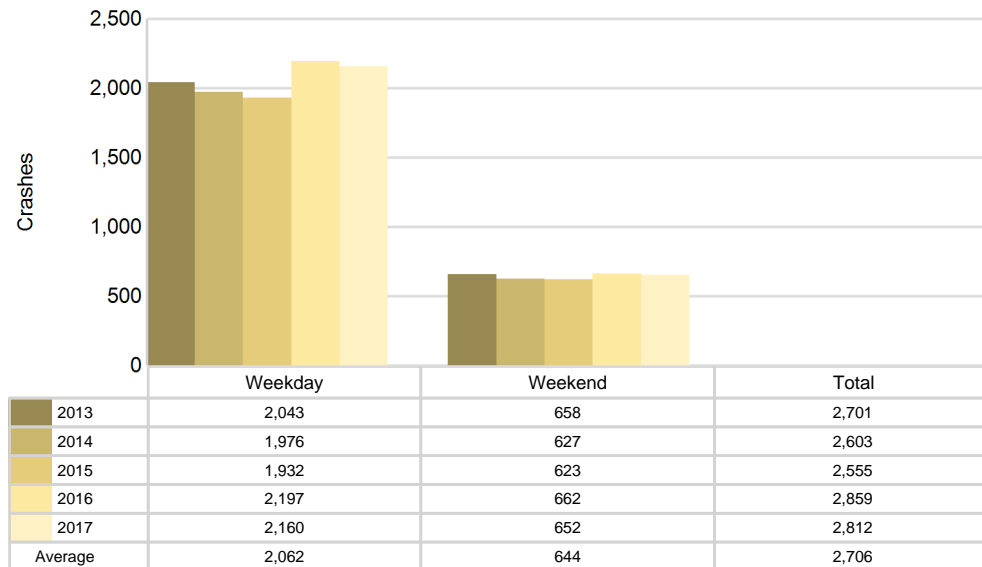
	Weekday	Weekend	Total
2013	2,043	658	2,701
2014	1,976	627	2,603
2015	1,932	623	2,555
2016	2,197	662	2,859
2017	2,160	652	2,812
Average	2,062	644	2,706

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	138	0	127	2	116	2	142	2	131	2
3:00 AM - 5:59 AM	158	2	150	0	132	4	174	0	166	0
6:00 AM - 8:59 AM	398	0	390	1	348	0	419	1	459	1
9:00 AM - 11:59 AM	315	0	324	2	294	1	300	0	317	3
Noon - 2:59 PM	412	0	427	0	398	1	437	0	406	1
3:00 PM - 5:59 PM	458	1	471	1	507	3	554	0	512	2
6:00 PM - 8:59 PM	500	0	426	2	450	1	513	0	463	1
9:00 PM - 11:59 PM	320	1	285	3	310	3	318	1	358	1
Unknown	2	0	3	0	0	0	2	0	0	0
Total	**2,701**	**4**	**2,603**	**11**	**2,555**	**15**	**2,859**	**4**	**2,812**	**11**

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 Time of Day

	Midnight - 2:59 AM	3:00 AM - 5:59 AM	6:00 AM - 8:59 AM	9:00 AM - 11:59 AM	Noon - 2:59 PM	3:00 PM - 5:59 PM	6:00 PM - 8:59 PM	9:00 PM - 11:59 PM	Unknown	Total
2013	138	158	398	315	412	458	500	320	2	2,701
2014	127	150	390	324	427	471	426	285	3	2,603
2015	116	132	348	294	398	507	450	310	0	2,555
2016	142	174	419	300	437	554	513	318	2	2,859
2017	131	166	459	317	406	512	463	358	0	2,812
Average	131	156	403	310	416	500	470	318	1	2,706

5-Year Trend
Fatal Crashes by Time of Day

	Midnight - 2:59 AM	3:00 AM - 5:59 AM	6:00 AM - 8:59 AM	9:00 AM - 11:59 AM	Noon - 2:59 PM	3:00 PM - 5:59 PM	6:00 PM - 8:59 PM	9:00 PM - 11:59 PM	Unknown	Total
2013	0	2	0	0	0	1	0	1	0	4
2014	2	0	1	2	0	1	2	3	0	11
2015	2	4	0	1	1	3	1	3	0	15
2016	2	0	1	0	0	0	0	1	0	4
2017	2	0	1	3	1	2	1	1	0	11
Average	2	1	1	1	0	1	1	2	0	9

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	131	4.7	2	18.2	2	8	6	113
3:00 AM	- 5:59 AM	166	5.9	0	0.0	1	3	8	154
6:00 AM	- 8:59 AM	459	16.3	1	9.1	6	14	16	422
9:00 AM	- 11:59 AM	317	11.3	3	27.3	5	12	26	271
Noon	- 2:59 PM	406	14.4	1	9.1	6	20	40	339
3:00 PM	- 5:59 PM	512	18.2	2	18.2	9	30	70	401
6:00 PM	- 8:59 PM	463	16.5	1	9.1	7	23	28	404
9:00 PM	- 11:59 PM	358	12.7	1	9.1	9	10	20	318
Unknown		0	0.0	0	0.0	0	0	0	0
Total		**2,812**	**100.0**	**11**	**100.0**	**45**	**120**	**214**	**2,422**
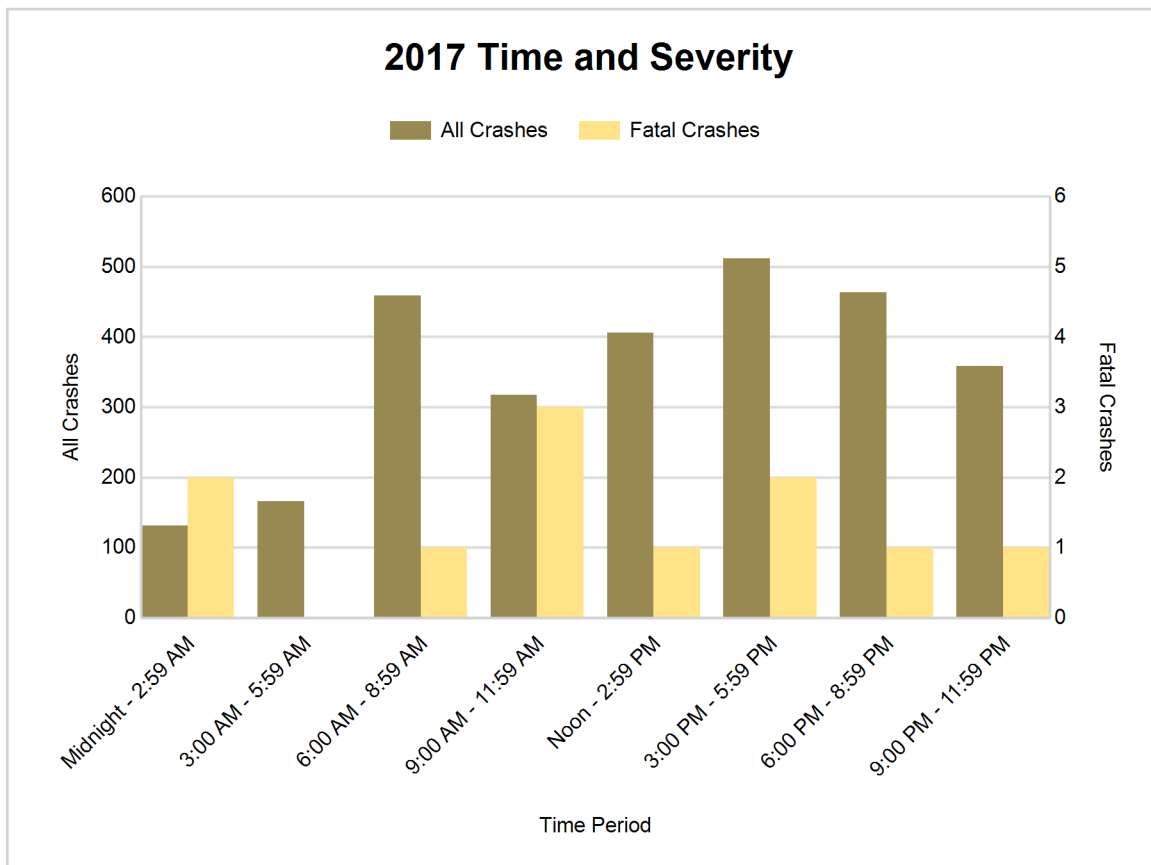
2017 Time and Severity

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	51	0	46	0	63	0	72	0	64	0
3:00 AM - 5:59 AM	97	0	104	0	84	0	117	0	123	0
6:00 AM - 8:59 AM	212	0	175	0	182	0	197	0	253	0
9:00 AM - 11:59 AM	51	0	36	0	39	0	49	0	58	0
Noon - 2:59 PM	38	0	31	0	32	0	32	0	42	0
3:00 PM - 5:59 PM	56	0	79	0	67	0	69	0	62	0
6:00 PM - 8:59 PM	231	0	192	0	237	0	252	0	233	0
9:00 PM - 11:59 PM	181	1	160	0	203	0	191	0	222	0
Unknown	0	0	0	0	0	0	1	0	0	0
Total	917	1	823	0	907	0	980	0	1,057	0

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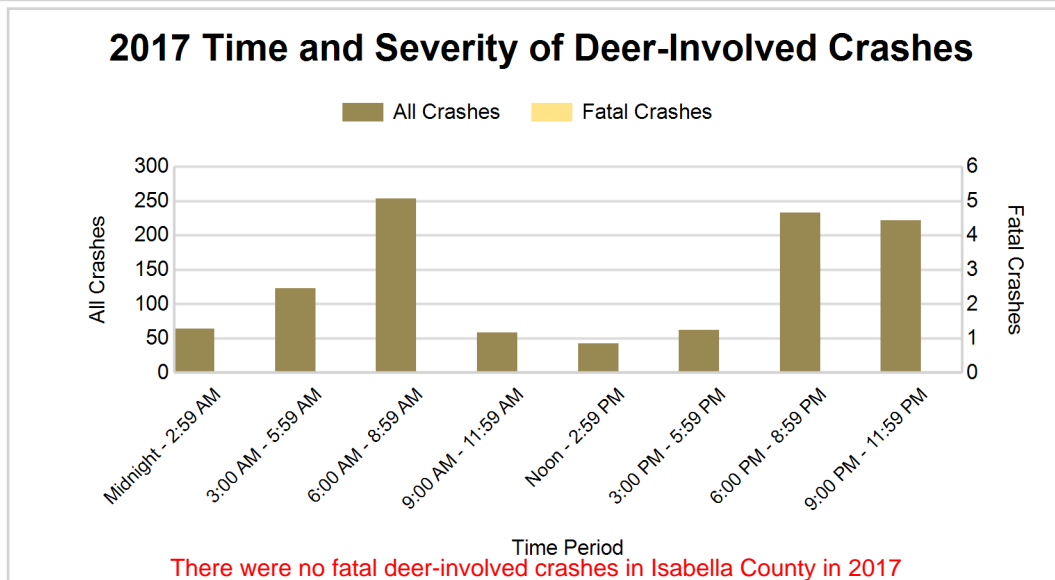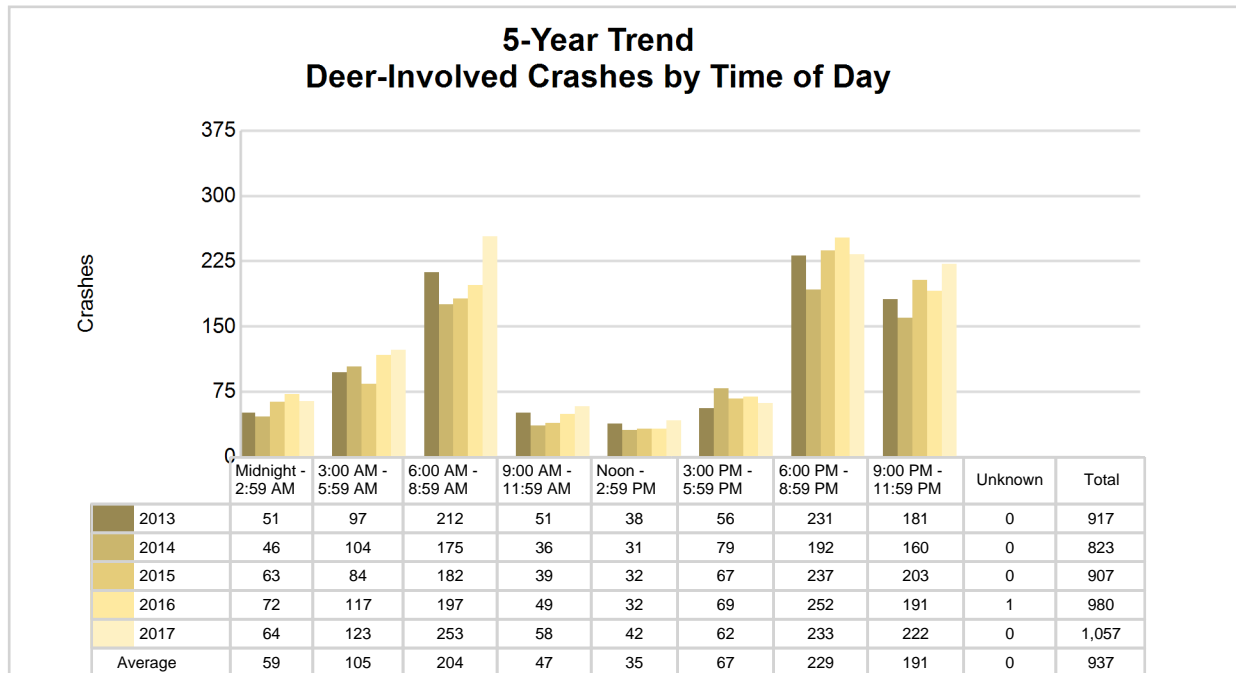

**5-Year Trend
Deer-Involved Crashes by Time of Day**

	Midnight - 2:59 AM	3:00 AM - 5:59 AM	6:00 AM - 8:59 AM	9:00 AM - 11:59 AM	Noon - 2:59 PM	3:00 PM - 5:59 PM	6:00 PM - 8:59 PM	9:00 PM - 11:59 PM	Unknown	Total
2013	51	97	212	51	38	56	231	181	0	917
2014	46	104	175	36	31	79	192	160	0	823
2015	63	84	182	39	32	67	237	203	0	907
2016	72	117	197	49	32	69	252	191	1	980
2017	64	123	253	58	42	62	233	222	0	1,057
Average	59	105	204	47	35	67	229	191	0	937

2017 Time and Severity of Deer-Involved Crashes

There were no fatal deer-involved crashes in Isabella 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
Broomfield Twp.	92	0	7	85	0	0	44	48	2	1	69	0	7
Chippewa Twp.	194	0	32	162	0	12	72	110	8	3	85	0	48
Clare	9	0	2	7	0	6	0	3	3	2	2	0	3
Coe Twp.	116	0	17	99	0	72	0	44	3	2	55	0	24
Coldwater Twp.	44	1	5	38	0	0	0	44	1	1	33	1	7
Deerfield Twp.	211	3	24	184	0	0	89	121	3	0	145	3	40
Denver Twp.	36	0	6	30	0	0	0	35	1	0	22	0	9
Fremont Twp.	69	0	2	67	0	0	0	69	2	0	52	0	3
Gilmore Twp.	55	0	8	47	0	0	0	54	4	1	31	0	14
Isabella Twp.	92	2	18	72	0	29	0	63	0	0	50	3	26
Lake Isabella	31	0	5	26	0	0	0	31	2	1	20	0	6
Lincoln Twp.	92	1	6	85	0	0	0	92	1	0	59	1	9
Mt. Pleasant	810	1	122	687	0	313	100	388	21	2	21	1	156
Nottawa Twp.	71	0	10	61	0	0	0	71	4	1	40	0	10
Rolland Twp.	65	0	6	59	0	0	0	65	4	0	39	0	13
Rosebush	17	0	1	16	0	14	0	3	2	0	9	0	2
Shepherd	5	0	0	5	0	0	0	5	1	0	3	0	0
Sherman Twp.	88	1	7	80	0	0	0	88	4	1	49	1	10
Union Twp.	555	2	85	468	0	97	97	360	16	4	179	2	130
Vernon Twp.	82	0	5	77	0	50	0	32	3	1	53	0	7
Wise Twp.	78	0	11	67	0	33	0	45	2	2	41	0	18
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**2,812**	**11**	**379**	**2,422**	**0**	**626**	**402**	**1,771**	**87**	**22**	**1,057**	**12**	**542**

Isabella County (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	4	0	3	0	8	0	5	0	6	0
16 - 20	626	11	601	11	579	8	686	7	665	11
21 - 24	684	31	698	18	606	11	675	23	611	25
25 - 64	2,155	61	2,095	35	2,103	44	2,270	41	2,280	47
65 +	317	0	351	0	402	0	423	5	420	2
Unknown	174	0	173	0	161	0	160	0	140	0
Total	3,960	103	3,921	64	3,859	63	4,219	76	4,122	85

5-Year Trend
Total Drivers in Crashes by Age

	0 - 15	16 - 20	21 - 24	25 - 64	65 +	Unknown	Total
2013	4	626	684	2,155	317	174	3,960
2014	3	601	698	2,095	351	173	3,921
2015	8	579	606	2,103	402	161	3,859
2016	5	686	675	2,270	423	160	4,219
2017	6	665	611	2,280	420	140	4,122
Average	5	631	655	2,181	383	162	4,016

5-Year Trend
Total Drivers Coded Drinking by Age

	0 - 15	16 - 20	21 - 24	25 - 64	65 +	Unknown	Total
2013	0	11	31	61	0	0	103
2014	0	11	18	35	0	0	64
2015	0	8	11	44	0	0	63
2016	0	7	23	41	5	0	76
2017	0	11	25	47	2	0	85
Average	0	10	22	46	1	0	78
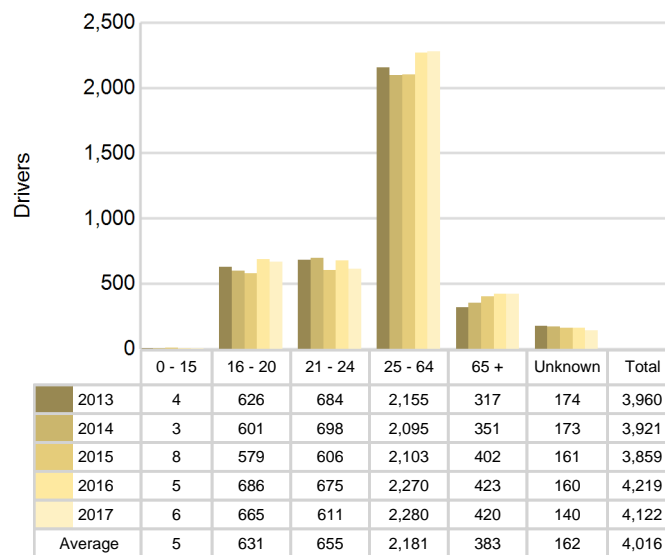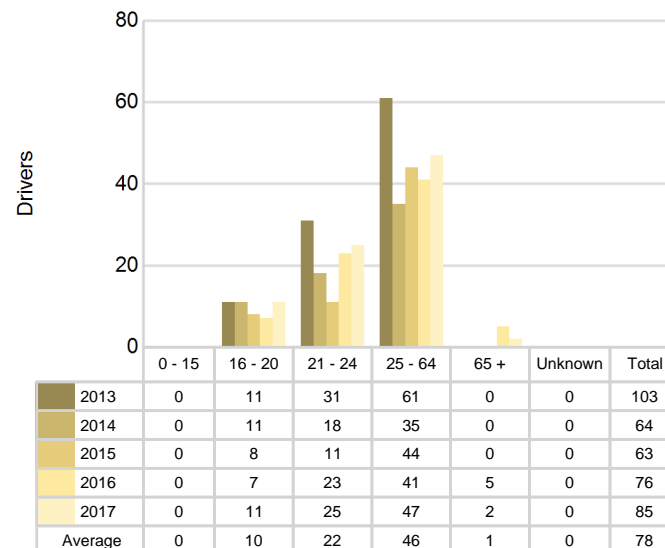
**2017 - Bodily Alcohol Concentration (BAC) Results Among
All Vehicle Drivers in Alcohol-Involved Crashes by Age**

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	15	11	10	11	1	1	3	3	3
21 - 24	30	27	25	25	0	2	11	5	7
25 - 64	69	45	36	47	1	4	16	10	16
65 +	5	2	2	2	0	0	0	1	1
Unknown	4	0	0	0	0	0	0	0	0
Total	**123**	**85**	**73**	**85**	**2**	**7**	**30**	**19**	**27**

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 123 drivers in alcohol-involved crashes; 85 (69.1%) of those drivers were coded as had-been-drinking by the officer on the crash form.
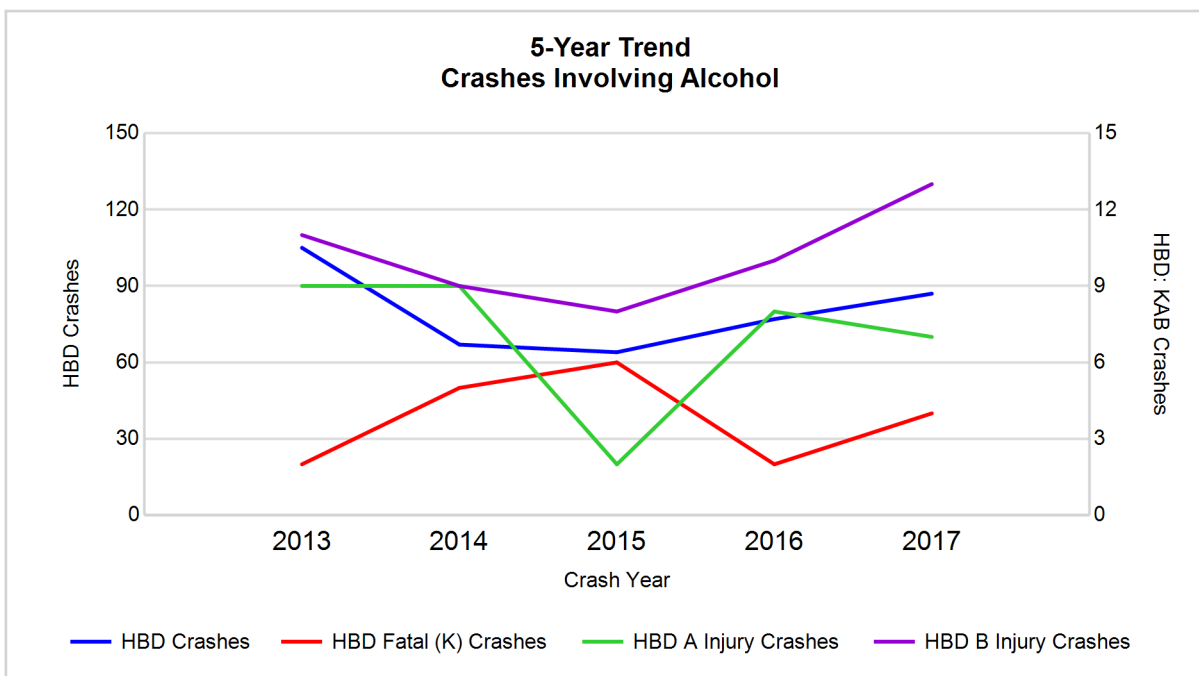
- 49 (57.6%) of the 85 drivers had a blood alcohol concentration (BAC) of 0.08 g/dL (grams per deciliter) or greater, and 19 (38.8%) of the 49 drivers had a BAC at or above 0.17 g/dL.

- 73 (85.9%) of the 85 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	2,701	105	3.9	4	2	50.0	42	9	21.4	118	11	9.3
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**

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**

Note: Had-Been-Drinking (HBD)

Isabella County (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	2,701	7	0.3	4	0	0.0	42	0	0.0	118	4	3.4
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

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
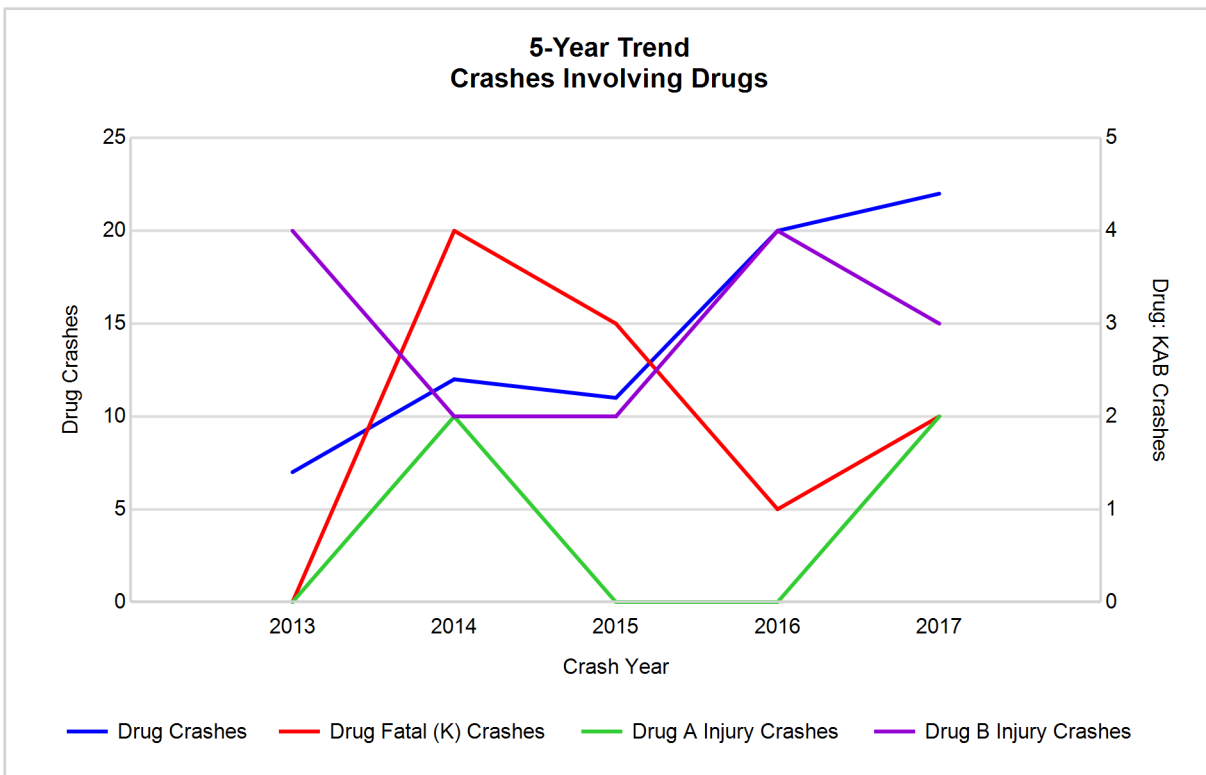

5-Year Trend
Crashes Involving Drugs

Isabella County (continued)

5-Year Trend - Crashes Involving Alcohol or Drugs

Year	All Crashes	HBD or Drug Crashes	% HBD or Drug	Fatal Crashes	HBD or Drug Fatal Crashes	% HBD or Drug	A Injury Crashes	HBD or Drug A Injury Crashes	% HBD or Drug	B Injury Crashes	HBD or Drug B Injury Crashes	% HBD or Drug
2013	2,701	109	4.0	4	2	50.0	42	9	21.4	118	13	11.0
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**

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
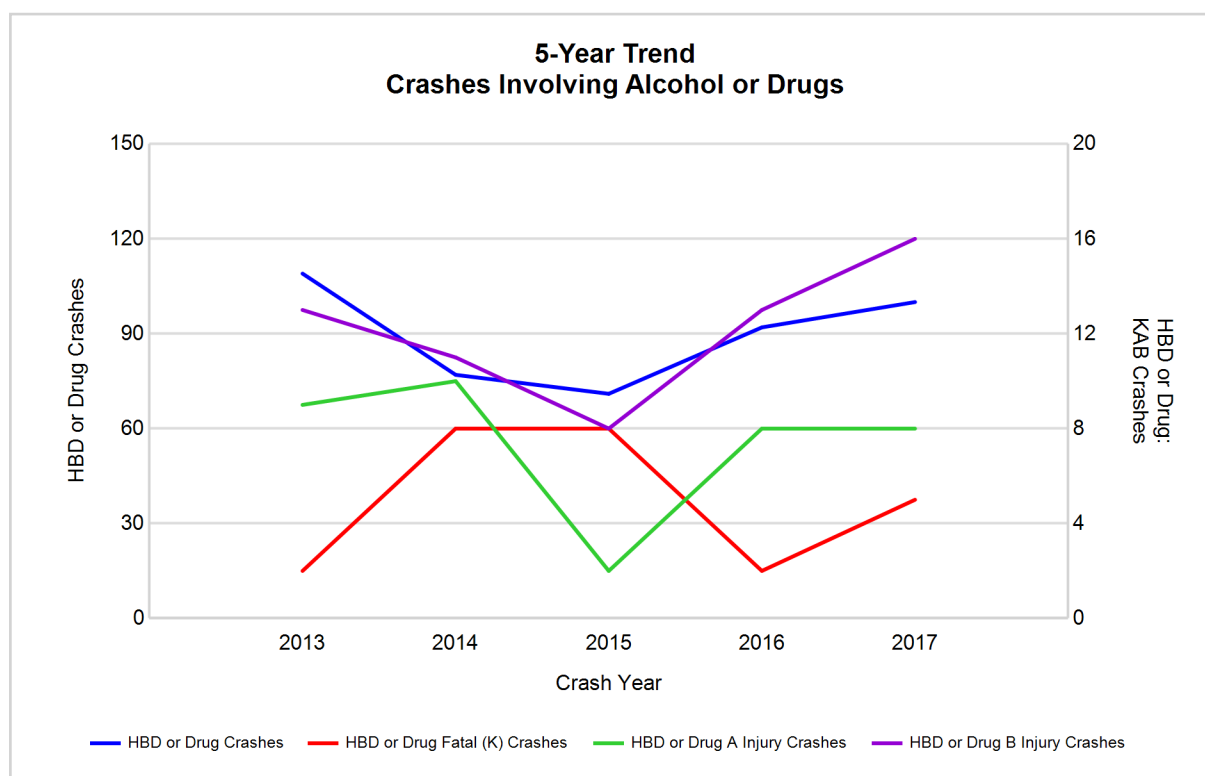

Note: Had-Been-Drinking (HBD)

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	3,357	3,137	93.4	7	4	57.1	44	31	70.5	103	90	87.4	250	234	93.6	2,884	2,778	96.3
Motor home	53	52	98.1	0	0	0.0	0	0	0.0	3	3	100.0	3	3	100.0	47	46	97.9
Pickup truck	675	632	93.6	3	1	33.3	6	5	83.3	26	22	84.6	47	41	87.2	583	563	96.6
Small truck under 10,000 lbs. GVWR	46	41	89.1	0	0	0.0	0	0	0.0	0	0	0.0	5	5	100.0	38	36	94.7
Motorcycle	16	9	56.3	0	0	0.0	4	2	50.0	5	3	60.0	4	1	25.0	3	3	100.0
Moped / goped	1	0	0.0	0	0	0.0	0	0	0.0	1	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	13	3	23.1	0	0	0.0	2	1	50.0	8	1	12.5	1	1	100.0	2	0	0.0
Other	10	7	70.0	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0	9	7	77.8
Truck/bus over 10,000 lbs.	63	62	98.4	0	0	0.0	0	0	0.0	1	1	100.0	5	4	80.0	57	57	100.0
Unknown	36	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	3	0	0.0
Total	**4,270**	**3,943**	**92.3**	**10**	**5**	**0.0**	**56**	**39**	**69.6**	**147**	**120**	**81.6**	**316**	**289**	**91.5**	**3,626**	**3,490**	**96.2**

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.

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	39	32	82.1	1	0	0.0	6	5	83.3	8	5	62.5	19	18	94.7	5	4	80.0
16 - 20	695	659	94.8	2	1	50.0	8	5	62.5	32	25	78.1	56	50	89.3	597	578	96.8
21 - 24	625	600	96.0	1	1	100.0	4	1	25.0	20	17	85.0	47	44	93.6	553	537	97.1
25 - 64	2,337	2,231	95.5	4	1	25.0	32	22	68.8	73	60	82.2	164	149	90.9	2,061	1,999	97.0
65 +	434	421	97.0	2	2	100.0	6	6	100.0	14	13	92.9	30	28	93.3	382	372	97.4
Unknown	140	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	28	0	0.0
Total	**4,270**	**3,943**	**92.3**	**10**	**5**	**0.0**	**56**	**39**	**69.6**	**147**	**120**	**81.6**	**316**	**289**	**91.5**	**3,626**	**3,490**	**96.2**

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	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	9	0	1	7	0	1	8	0	2	10	0	2	10	0	2
Shoulder belt only used	2	0	0	5	0	1	1	0	0	5	0	1	5	0	0
Lap belt only used	11	0	3	8	0	1	5	0	2	4	0	0	3	0	1
Both lap & shoulder belts used	3,608	0	298	3,596	4	274	3,534	8	268	3,882	1	319	3,804	3	321
No belts used	27	1	10	30	2	17	18	1	8	18	2	6	25	2	15
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	1	0	0	0	0	0	0	0	0	0	0	0
Restraint failure	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Restraint use unknown	133	0	6	107	2	9	121	1	11	253	0	17	252	2	16
Helmet worn	21	0	15	14	0	9	13	0	12	17	0	11	12	0	9
Helmet not worn	8	0	7	4	0	4	12	0	10	15	1	5	9	0	8
Helmet use unknown	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
Uncoded & errors	141	0	0	149	0	0	146	0	1	15	0	0	0	0	0
Total	**3,960**	**1**	**340**	**3,921**	**8**	**316**	**3,859**	**10**	**314**	**4,219**	**4**	**361**	**4,122**	**7**	**374**

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	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0
Shoulder belt only used	0	0	0	0	0	0	0	0	0	0	0	0	1	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	82	0	14	53	1	13	49	4	8	56	1	11	61	0	12
No belts used	7	1	3	3	0	3	2	1	1	4	0	3	6	0	4
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	12	0	3	7	1	3	9	0	1	14	0	4	13	2	4
Helmet worn	1	0	1	1	0	1	1	0	1	0	0	0	2	0	1
Helmet not worn	1	0	1	0	0	0	2	0	1	1	1	0	2	0	2
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	**103**	**1**	**22**	**64**	**2**	**20**	**63**	**5**	**12**	**76**	**2**	**19**	**85**	**2**	**23**

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	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
16 - 20	4	0	2	4	0	3	3	0	1	1	0	0	4	0	3
21 - 24	6	0	4	12	0	7	8	1	2	6	0	1	6	0	3
25 - 64	22	1	4	18	1	7	14	0	6	18	2	7	20	2	10
65 +	2	0	1	2	1	1	1	0	1	3	0	0	4	0	0
Unknown	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Total	**36**	**1**	**11**	**37**	**2**	**18**	**26**	**1**	**10**	**28**	**2**	**8**	**35**	**2**	**17**

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

**5-Year Trend
Driver Seatbelt Not Used**

	0 - 15	16 - 20	21 - 24	25 - 64	65 +	Unknown	Total
2013	0	4	6	22	2	2	36
2014	0	4	12	18	2	1	37
2015	0	3	8	14	1	0	26
2016	0	1	6	18	3	0	28
2017	1	4	6	20	4	0	35
Average	0	3	8	18	2	1	32

Isabella County (continued)
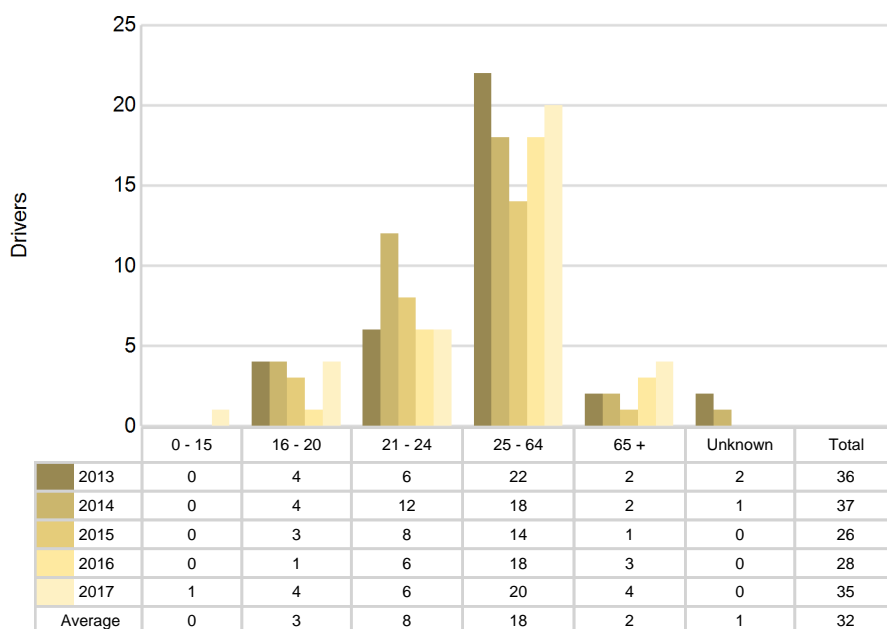
5-Year Trend - Seatbelt Used Among Drivers by Age

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	2	0	0	2	0	0	6	0	0	2	0	1	4	0	0
16 - 20	592	0	40	585	0	42	559	1	41	663	0	61	637	1	58
21 - 24	645	0	55	653	0	52	585	0	42	636	1	46	589	1	51
25 - 64	2,063	0	182	2,025	4	139	2,011	4	151	2,184	0	180	2,175	0	179
65 +	309	0	24	340	0	42	378	3	36	406	0	32	407	1	34
Unknown	10	0	0	4	0	1	2	0	0	0	0	0	0	0	0
Total	**3,621**	**0**	**301**	**3,609**	**4**	**276**	**3,541**	**8**	**270**	**3,891**	**1**	**320**	**3,812**	**3**	**322**

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

5-Year Trend Driver Seatbelt Used

	0 - 15	16 - 20	21 - 24	25 - 64	65 +	Unknown	Total
2013	2	592	645	2,063	309	10	3,621
2014	2	585	653	2,025	340	4	3,609
2015	6	559	585	2,011	378	2	3,541
2016	2	663	636	2,184	406	0	3,891
2017	4	637	589	2,175	407	0	3,812
Average	3	607	622	2,092	368	3	3,695

Isabella County (continued)
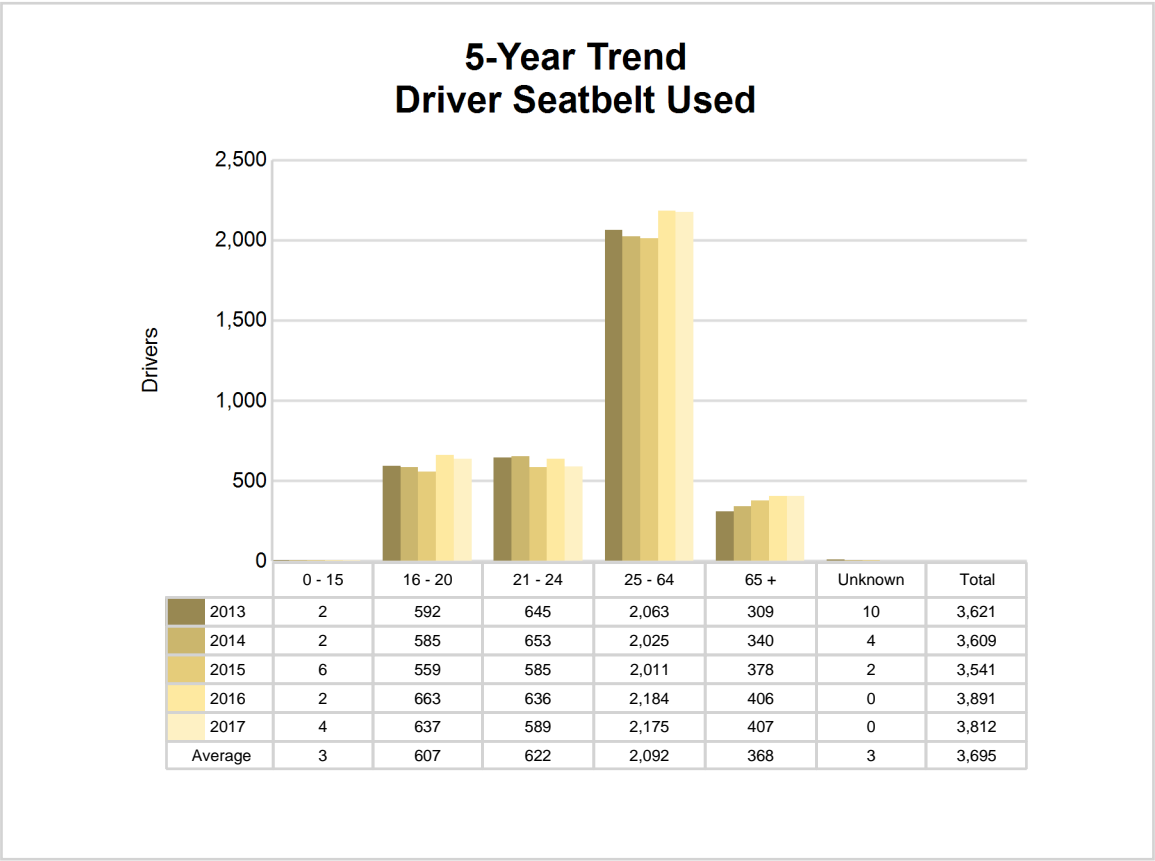
5-Year Trend - Drivers in Crashes by Hazardous Action

Hazardous Action	2013 Total Drivers in Crashes	2013 Drivers in Fatal Crashes	2014 Total Drivers in Crashes	2014 Drivers in Fatal Crashes	2015 Total Drivers in Crashes	2015 Drivers in Fatal Crashes	2016 Total Drivers in Crashes	2016 Drivers in Fatal Crashes	2017 Total Drivers in Crashes	2017 Drivers in Fatal Crashes
None	2,262	0	2,223	7	2,337	9	2,521	2	2,480	7
Speed too fast	372	1	382	2	247	5	324	1	304	2
Speed too slow	3	0	2	0	3	0	2	0	2	0
Failed to yield	397	0	383	2	401	3	414	0	430	3
Disregard traffic control	66	0	52	1	66	1	73	1	81	1
Drove wrong way	2	0	3	1	3	0	2	0	1	0
Drove left of center	16	0	27	3	18	0	19	0	19	1
Improper passing	16	0	16	0	18	0	14	0	12	0
Improper lane use	60	0	54	0	71	0	59	0	49	0
Improper turn	32	0	64	0	52	0	48	0	52	0
Improper/no signal	2	0	4	0	5	0	6	0	3	0
Improper backing	56	0	50	0	65	0	54	0	47	0
Unable to stop in assured clear distance	409	0	405	0	382	1	415	0	370	1
Other	75	0	94	0	82	0	105	2	107	0
Unknown	49	2	59	1	33	1	69	0	73	2
Reckless driving	19	0	15	0	17	1	15	0	10	0
Careless/negligent driving	121	1	80	1	58	1	79	0	82	0
Uncoded & errors	3	0	8	0	1	0	0	0	0	0
Total	**3,960**	**4**	**3,921**	**18**	**3,859**	**22**	**4,219**	**6**	**4,122**	**17**

Isabella County (continued)
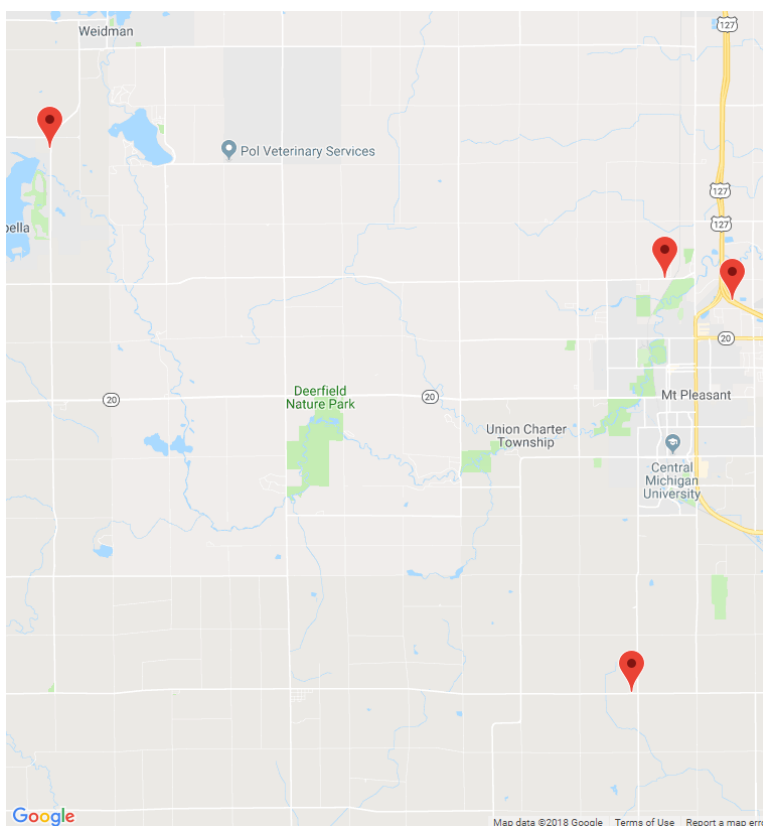
The picture above represents all 2017 alcohol-involved fatal crashes in Isabella County.

In 2017, there were 87 alcohol-involved crashes in Isabella County:

    4   K - Fatal Crashes

    7   A - Suspected Serious Injury Crashes

    13   B - Suspected Minor Injury Crashes

    9   C - Possible Injury Crashes

    54   O - Property Damage Only/No Injury Crashes