MICHIGAN

OHSP

Office of Highway Safety Planning

2016

MTCF
Michigan Traffic Crash Facts

Michigan Traffic Crash Facts

Isabella County

2016 Traffic Crash Data & 2012-2016 5-Year Trends

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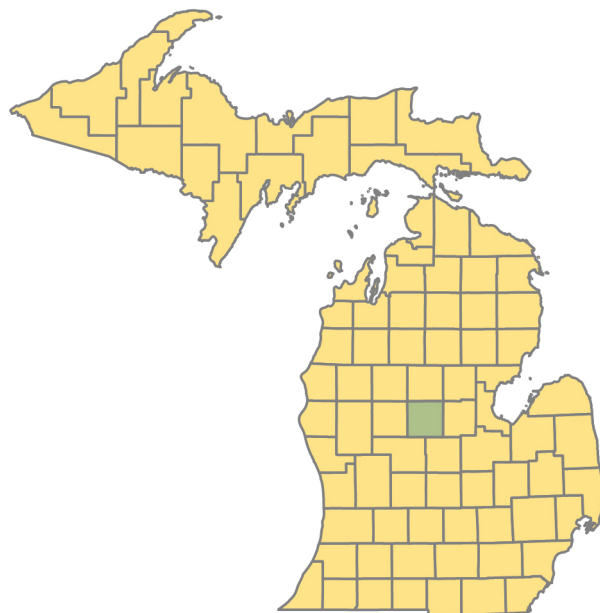
Sources:
The crashes in this report occurred on public roadways in Michigan and resulted in injuries, fatalities, or property damage (with $1,000 as a reporting threshold). The information was gathered from Michigan Traffic Crash Report Forms (UD-10) submitted by local police departments, sheriff's offices, and the Michigan State Police. Other related information was obtained from the departments of Transportation, State, and Community Health.

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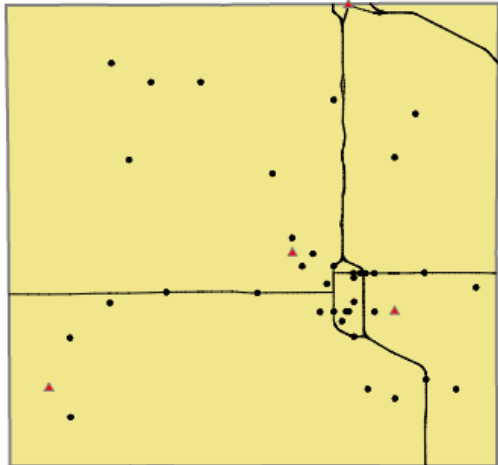
Isabella County

Crashes by most severe injury (mapped/actual)
▲ K - Fatal (4/4)
● A - Suspected Serious (37/37)

Isabella County

In 2016:

There were 4,219 drivers involved in 2,859 motor vehicle crashes in Isabella County. Of those crashes, 4 were classified as fatal, resulting in 6 fatalities. An additional 533 persons were injured.

Isabella County experienced the highest number of motor vehicle crashes (362) in November, the highest number of fatal crashes (1) in January, June, October, and December, and the highest number of persons killed (2) in October and December.

Michigan driver statistics indicate 8.3 percent of licensed drivers in Isabella County were age 16-20, and 16.3 percent of drivers in crashes were also in that age group.

2016 - Crashes and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only (PDO)	Fatalities	Injuries
January	285	1	36	248	1	43
February	240	0	24	216	0	38
March	225	0	30	195	0	36
April	178	0	23	155	0	38
May	209	0	31	178	0	40
June	165	1	24	140	1	36
July	143	0	23	120	0	31
August	156	0	31	125	0	41
September	239	0	46	193	0	67
October	346	1	47	298	2	60
November	362	0	36	326	0	51
December	311	1	32	278	2	52
Total	**2,859**	**4**	**383**	**2,472**	**6**	**533**

2016 - Driver Statistics

Age Group	Statewide			Driver Rates	
	2016 Population	Licensed Drivers	Drivers in Crashes	Per 10k Population	Per 10k Licensed
0 - 15	10,903	311	5	4.6	160.8
16 - 20	11,222	3,391	686	611.3	2,023.0
21 - 24	10,564	3,741	675	639.0	1,804.3
25 - 64	30,323	25,992	2,270	748.6	873.3
65 +	8,270	7,469	423	511.5	566.3
Unknown	0	0	160	- -	- -
Total	**71,282**	**40,904**	**4,219**	**591.9**	**1,031.4**

2016 - 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	3,361	79.7	5	83.3	501	2,855
Motor home	86	2.0	0	0.0	11	75
Pickup truck	617	14.6	0	0.0	100	517
Small truck under 10,000 lbs. GVWR	54	1.3	0	0.0	7	47
Motorcycle	20	0.5	1	16.7	15	4
Moped / goped	1	0.0	0	0.0	0	1
Go-cart / golf cart	1	0.0	0	0.0	1	0
Snowmobile	0	0.0	0	0.0	0	0
Off-Road Vehicle - ORV / All-Terrain Vehicle - ATV	2	0.0	0	0.0	1	1
Other	14	0.3	0	0.0	2	12
Truck/bus over 10,000 lbs.	33	0.8	0	0.0	5	28
Unknown	30	0.7	0	0.0	1	29
Total	**4,219**	**100.0**	**6**	**100.0**	**644**	**3,569**

Isabella County (continued)

5-Year Trend - Crashes by Month

Month	2012		2013		2014		2015		2016	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
January	281	0	247	1	330	0	269	0	285	1
February	277	0	255	0	229	2	229	0	240	0
March	190	0	225	0	184	1	158	0	225	0
April	167	2	190	0	161	0	190	1	178	0
May	175	0	189	2	145	0	186	0	209	0
June	174	1	167	0	186	0	159	3	165	1
July	146	1	120	0	127	2	152	5	143	0
August	158	0	165	0	156	1	127	3	156	0
September	200	2	227	1	187	0	211	2	239	0
October	328	0	282	0	296	1	327	0	346	1
November	321	0	361	0	399	3	337	1	362	0
December	287	0	273	0	203	1	210	0	311	1
Total	**2,704**	**6**	**2,701**	**4**	**2,603**	**11**	**2,555**	**15**	**2,859**	**4**

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	2012		2013		2014		2015		2016	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Monday	348	2	377	1	309	0	377	1	366	0
Tuesday	392	1	388	1	367	1	401	2	416	0
Wednesday	360	0	379	0	383	0	395	3	499	0
Thursday	427	1	433	0	395	3	374	2	454	1
Friday	531	0	466	0	522	2	385	4	462	0
Saturday	345	0	365	1	339	1	353	2	360	3
Sunday	301	2	293	1	288	4	270	1	302	0
Total	**2,704**	**6**	**2,701**	**4**	**2,603**	**11**	**2,555**	**15**	**2,859**	**4**

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

2016 Crashes by Month
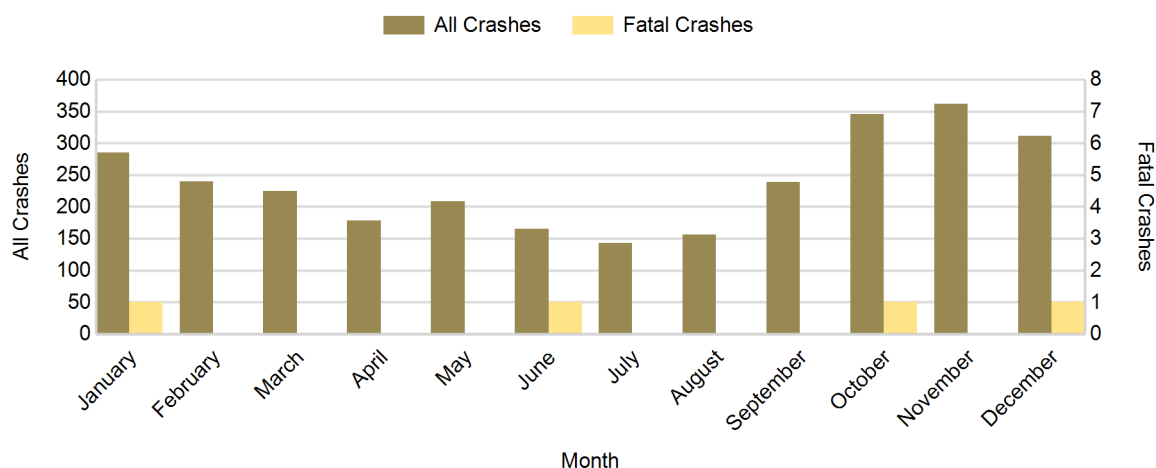
2016 - Crashes by Day of Week

Day	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	Number
Monday	366	12.8	0	0.0	6	14	25	321
Tuesday	416	14.6	0	0.0	3	21	29	363
Wednesday	499	17.5	0	0.0	7	27	44	421
Thursday	454	15.9	1	25.0	4	20	21	408
Friday	462	16.2	0	0.0	3	21	33	405
Saturday	360	12.6	3	75.0	10	15	29	303
Sunday	302	10.6	0	0.0	4	13	34	251
Total	2,859	100.0	4	100.0	37	131	215	2,472

2016 Day of Week and Severity

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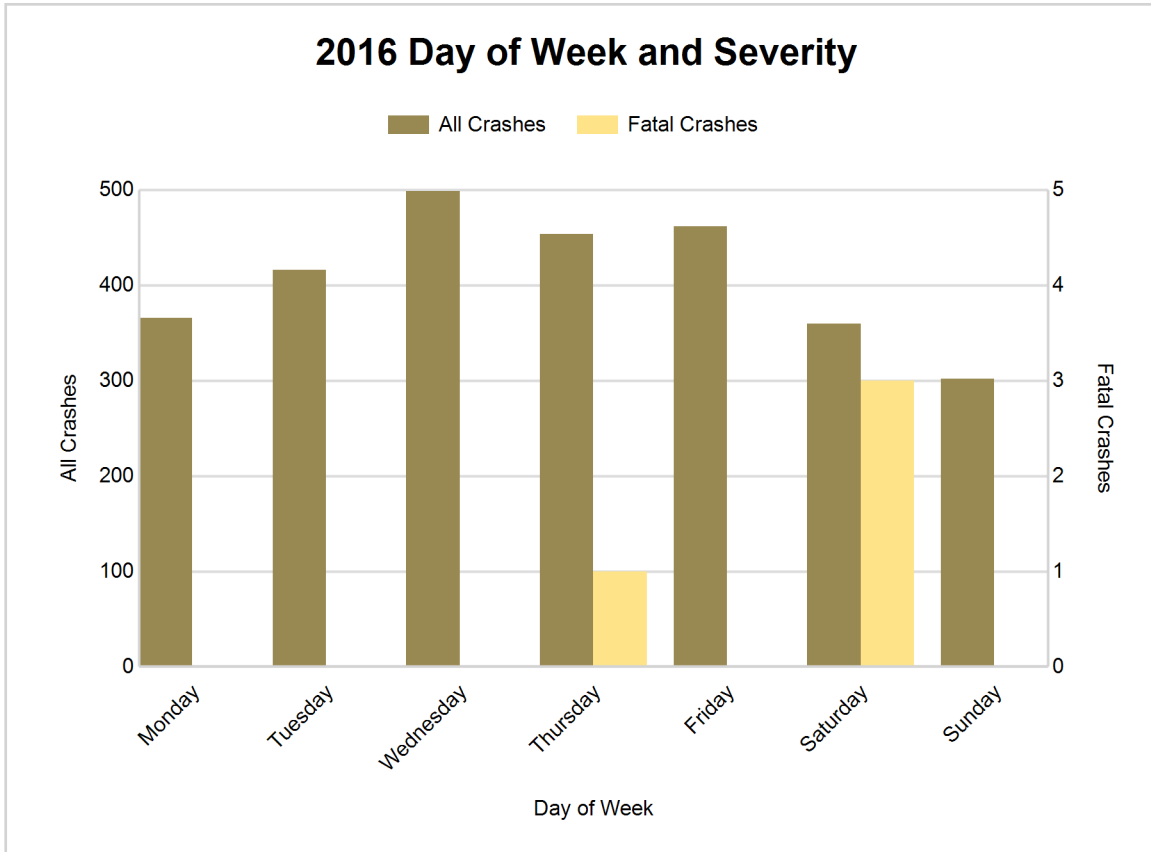
5-Year Trend - Crashes by Weekday and Weekend

Portion of Week	2012		2013		2014		2015		2016	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Weekday	2,058	4	2,043	2	1,976	6	1,932	12	2,197	1
Weekend	646	2	658	2	627	5	623	3	662	3
Total	**2,704**	**6**	**2,701**	**4**	**2,603**	**11**	**2,555**	**15**	**2,859**	**4**

5-Year Crash Trends by Weekday (Monday - Friday) and Weekend (Saturday & Sunday)
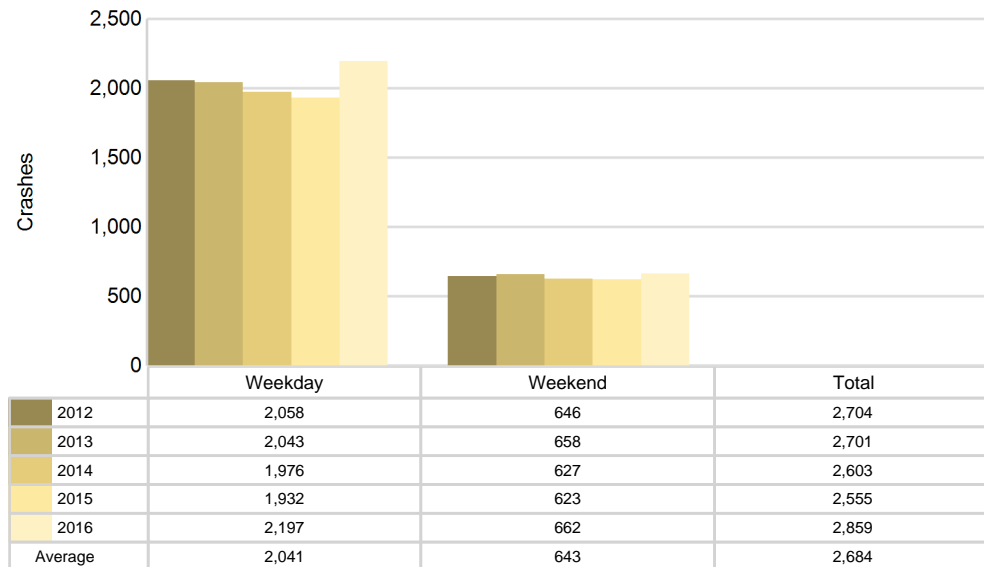
	Weekday	Weekend	Total
2012	2,058	646	2,704
2013	2,043	658	2,701
2014	1,976	627	2,603
2015	1,932	623	2,555
2016	2,197	662	2,859
Average	2,041	643	2,684

Isabella County (continued)

5-Year Trend - Crashes by Time of Day

Time of Day	2012		2013		2014		2015		2016	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	147	1	138	0	127	2	116	2	142	2
3:00 AM - 5:59 AM	144	0	158	2	150	0	132	4	174	0
6:00 AM - 8:59 AM	400	1	398	0	390	1	348	0	419	1
9:00 AM - 11:59 AM	308	2	315	0	324	2	294	1	300	0
Noon - 2:59 PM	416	1	412	0	427	0	398	1	437	0
3:00 PM - 5:59 PM	459	0	458	1	471	1	507	3	554	0
6:00 PM - 8:59 PM	518	1	500	0	426	2	450	1	513	0
9:00 PM - 11:59 PM	308	0	320	1	285	3	310	3	318	1
Unknown	4	0	2	0	3	0	0	0	2	0
Total	**2,704**	**6**	**2,701**	**4**	**2,603**	**11**	**2,555**	**15**	**2,859**	**4**

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
2012	147	144	400	308	416	459	518	308	4	2,704
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
Average	134	152	391	308	418	490	481	308	2	2,684

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
2012	1	0	1	2	1	0	1	0	0	6
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
Average	1	1	1	1	0	1	1	2	0	8

2016 - 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	142	5.0	2	50.0	4	9	11	116
3:00 AM	- 5:59 AM	174	6.1	0	0.0	2	2	10	160
6:00 AM	- 8:59 AM	419	14.7	1	25.0	3	11	23	381
9:00 AM	- 11:59 AM	300	10.5	0	0.0	2	14	26	258
Noon	- 2:59 PM	437	15.3	0	0.0	4	27	57	349
3:00 PM	- 5:59 PM	554	19.4	0	0.0	9	38	40	467
6:00 PM	- 8:59 PM	513	17.9	0	0.0	6	20	33	454
9:00 PM	- 11:59 PM	318	11.1	1	25.0	7	9	15	286
Unknown		2	0.1	0	0.0	0	1	0	1
Total		**2,859**	**100.0**	**4**	**100.0**	**37**	**131**	**215**	**2,472**
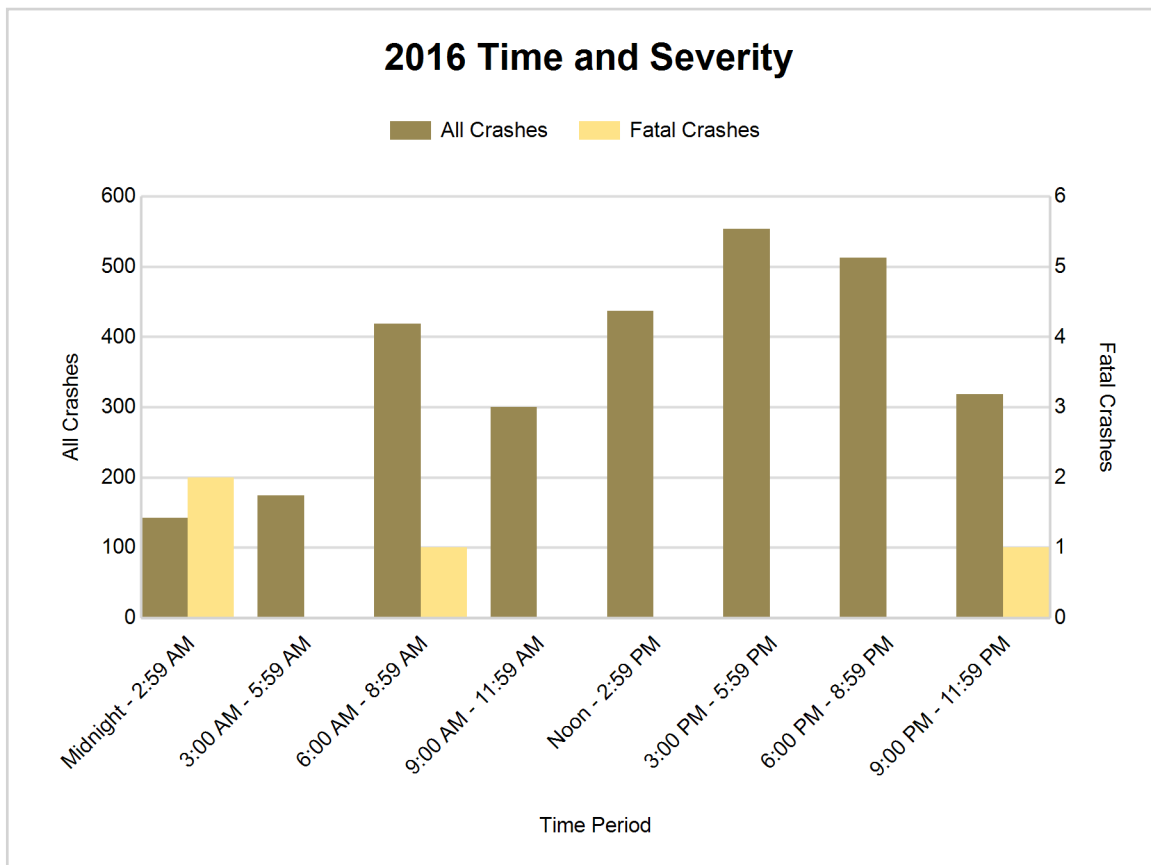
5-Year Trend - Deer-Involved Crashes by Time of Day

Time of Day	2012		2013		2014		2015		2016	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	64	0	51	0	46	0	63	0	72	0
3:00 AM - 5:59 AM	91	0	97	0	104	0	84	0	117	0
6:00 AM - 8:59 AM	228	0	212	0	175	0	182	0	197	0
9:00 AM - 11:59 AM	57	0	51	0	36	0	39	0	49	0
Noon - 2:59 PM	31	0	38	0	31	0	32	0	32	0
3:00 PM - 5:59 PM	66	0	56	0	79	0	67	0	69	0
6:00 PM - 8:59 PM	283 †	0	231 †	0	192 †	0	237 †	0	252 †	0
9:00 PM - 11:59 PM	169	0	181	1	160	0	203	0	191	0
Unknown	0	0	0	0	0	0	0	0	1	0
Total	**989**	**0**	**917**	**1**	**823**	**0**	**907**	**0**	**980**	**0**

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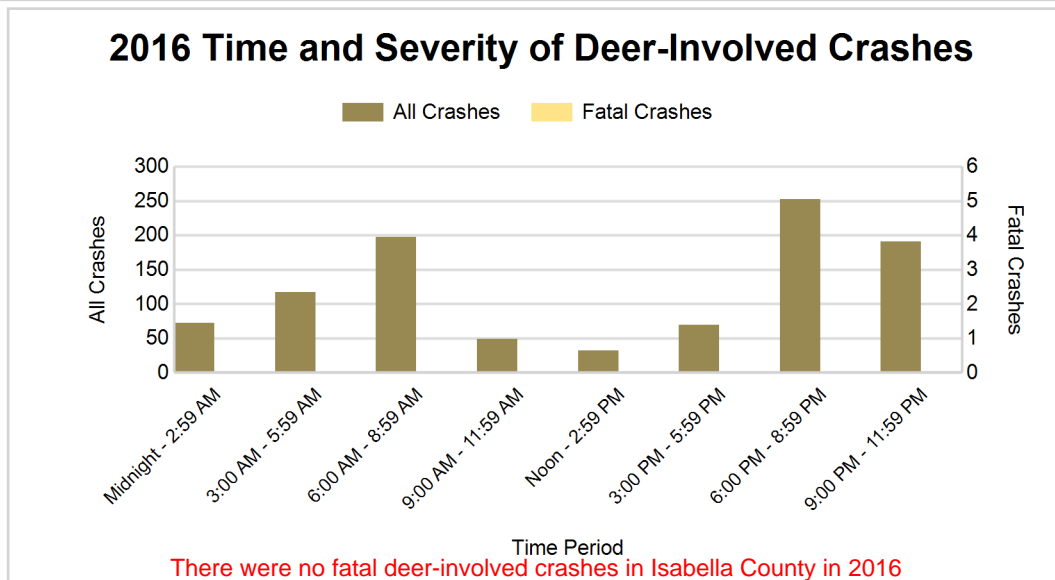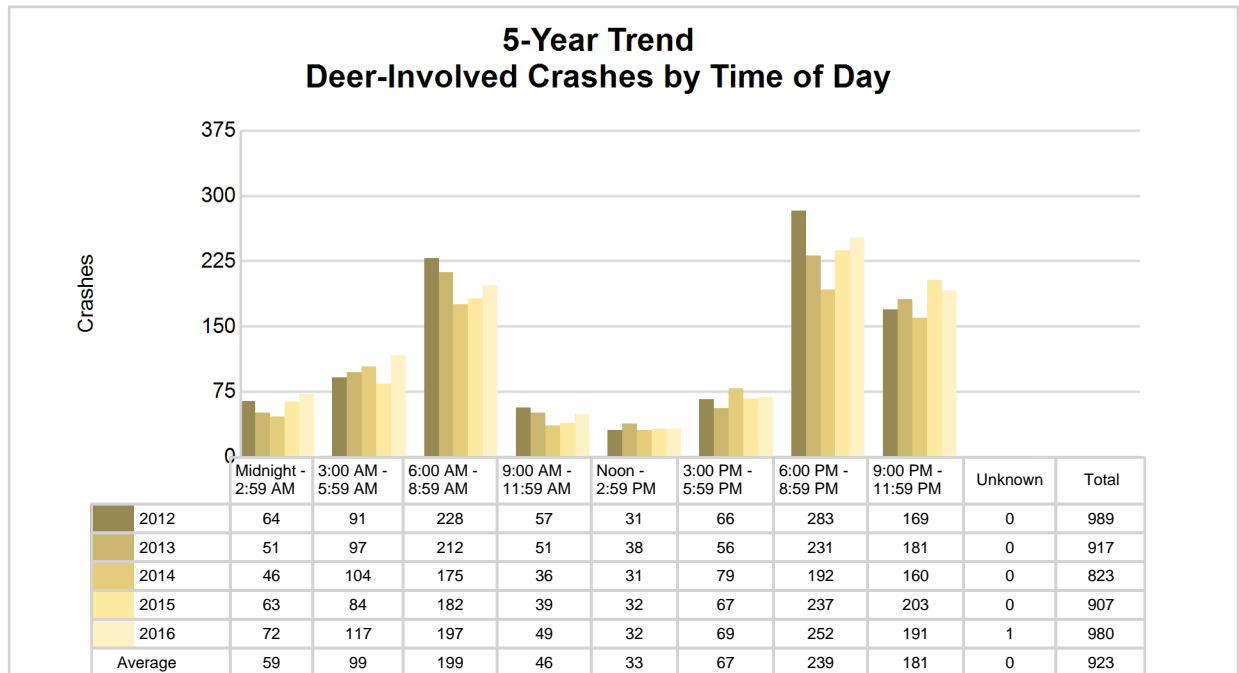

**5-Year Trend
Deer-Involved Crashes by Time of Day**

	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
2012	64	91	228	57	31	66	283	169	0	989
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
Average	59	99	199	46	33	67	239	181	0	923

2016 Time and Severity of Deer-Involved Crashes

There were no fatal deer-involved crashes in Isabella County in 2016

2016 - 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.	105	0	13	92	0	0	47	57	3	0	66	0	18
Chippewa Twp.	205	1	29	175	0	10	76	118	5	0	81	2	47
Clare	3	0	0	3	0	2	0	1	1	0	1	0	0
Coe Twp.	131	0	25	106	0	83	0	48	6	0	56	0	43
Coldwater Twp.	43	0	4	39	0	0	0	43	1	1	25	0	7
Deerfield Twp.	153	0	11	142	0	0	64	88	0	0	94	0	12
Denver Twp.	40	0	3	37	0	0	0	40	3	0	25	0	3
Fremont Twp.	54	0	3	51	0	0	0	54	2	0	35	0	4
Gilmore Twp.	69	0	8	61	0	0	0	69	5	0	39	0	10
Isabella Twp.	83	0	13	70	0	36	0	47	2	1	36	0	19
Lake Isabella	20	0	1	19	0	0	0	20	0	0	15	0	1
Lincoln Twp.	119	0	14	105	0	0	0	119	3	0	75	0	20
Mt. Pleasant	828	0	130	698	0	334	100	393	19	7	17	0	162
Nottawa Twp.	82	0	9	73	0	0	0	82	5	0	53	0	15
Rolland Twp.	51	1	3	47	0	0	0	51	4	1	27	1	4
Rosebush	21	0	3	18	0	16	0	5	1	1	11	0	4
Shepherd	13	0	0	13	0	0	0	13	0	0	0	0	0
Sherman Twp.	69	0	8	61	0	0	0	69	3	0	49	0	11
Union Twp.	566	1	89	476	0	93	93	379	8	6	159	2	135
Vernon Twp.	119	1	9	109	0	54	0	65	2	1	73	1	10
Wise Twp.	85	0	8	77	0	36	0	49	4	2	43	0	8
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**2,859**	**4**	**383**	**2,472**	**0**	**664**	**380**	**1,810**	**77**	**20**	**980**	**6**	**533**

Isabella County (continued)

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

Driver Age	2012		2013		2014		2015		2016	
	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	6	1	4	0	3	0	8	0	5	0
16 - 20	665	22	626	11	601	11	579	8	686	7
21 - 24	682	33	684	31	698	18	606	11	675	23
25 - 64	2,149	46	2,155	61	2,095	35	2,103	44	2,270	41
65 +	309	4	317	0	351	0	402	0	423	5
Unknown	199	0	174	0	173	0	161	0	160	0
Total	**4,010**	**106**	**3,960**	**103**	**3,921**	**64**	**3,859**	**63**	**4,219**	**76**

5-Year Trend
Total Drivers in Crashes by Age

	0 - 15	16 - 20	21 - 24	25 - 64	65 +	Unknown	Total
2012	6	665	682	2,149	309	199	4,010
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
Average	5	631	669	2,154	360	173	3,994

5-Year Trend
Total Drivers Coded Drinking by Age

	0 - 15	16 - 20	21 - 24	25 - 64	65 +	Unknown	Total
2012	1	22	33	46	4	0	106
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
Average	0	12	23	45	2	0	82
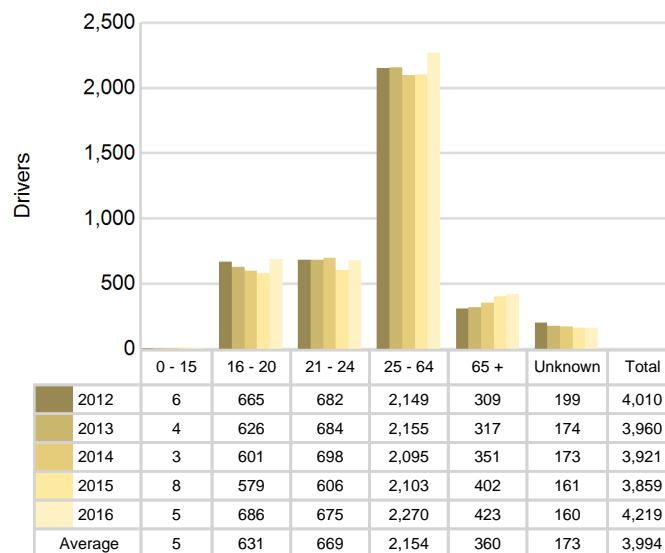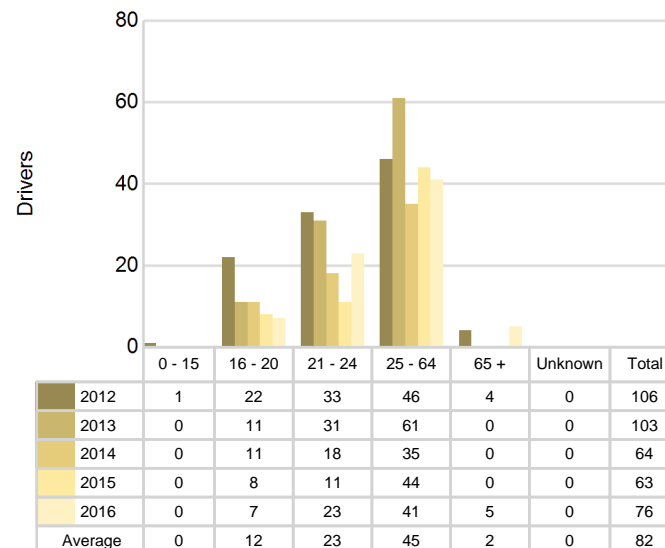
2016 - Bodily Alcohol Concentration (BAC) Results Among All Vehicle Drivers in Alcohol-Involved Crashes by Age

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	12	12	7	7	0	1	3	1	2
21 - 24	26	18	16	23	0	3	5	6	9
25 - 64	52	43	30	41	1	5	8	8	19
65 +	5	7	5	5	1	0	1	3	0
Unknown	3	0	0	0	0	0	0	0	0
Total	98	80	58	76	2	9	17	18	30

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 2016, there were 98 drivers in alcohol-involved crashes; 76 (77.6%) of those drivers were coded as had-been-drinking by the officer on the crash form.
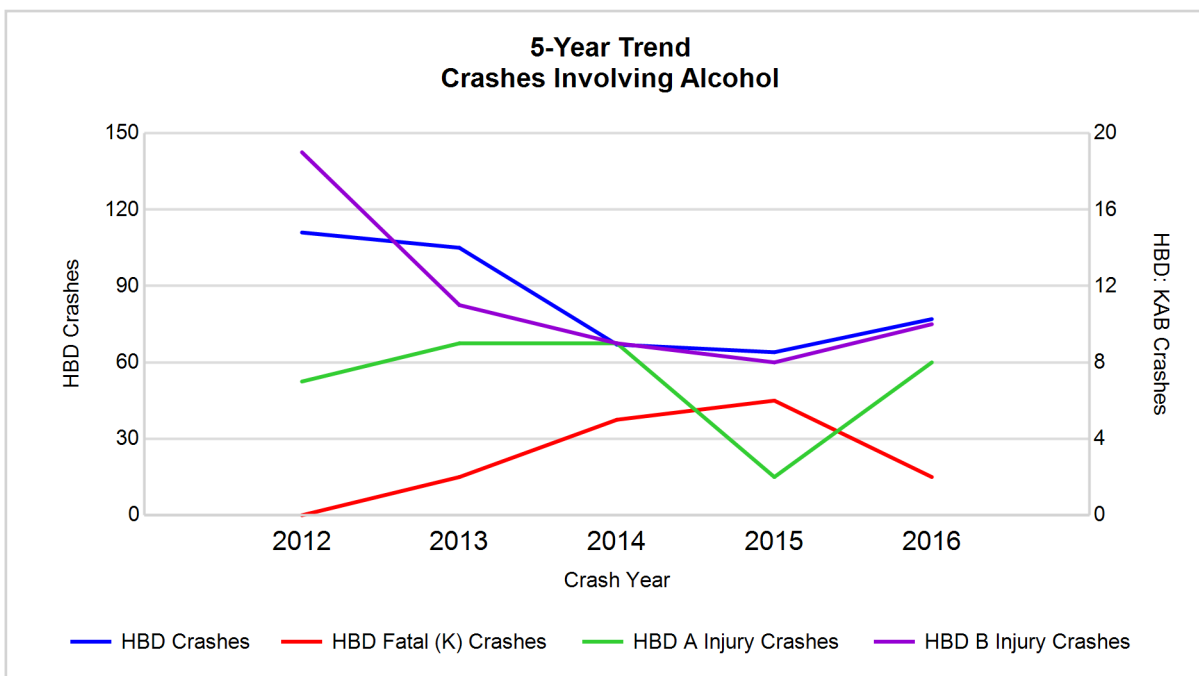
- 35 (46.1%) of the 76 drivers had a blood alcohol concentration (BAC) of 0.08 g/dL (grams per deciliter) or greater, and 18 (51.4%) of the 35 drivers had a BAC at or above 0.17 g/dL.

- 58 (76.3%) of the 76 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
2012	2,704	111	4.1	6	0	0.0	39	7	17.9	134	19	14.2
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

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
2012	2,704	15	0.6	6	1	16.7	39	1	2.6	134	1	0.7
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

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
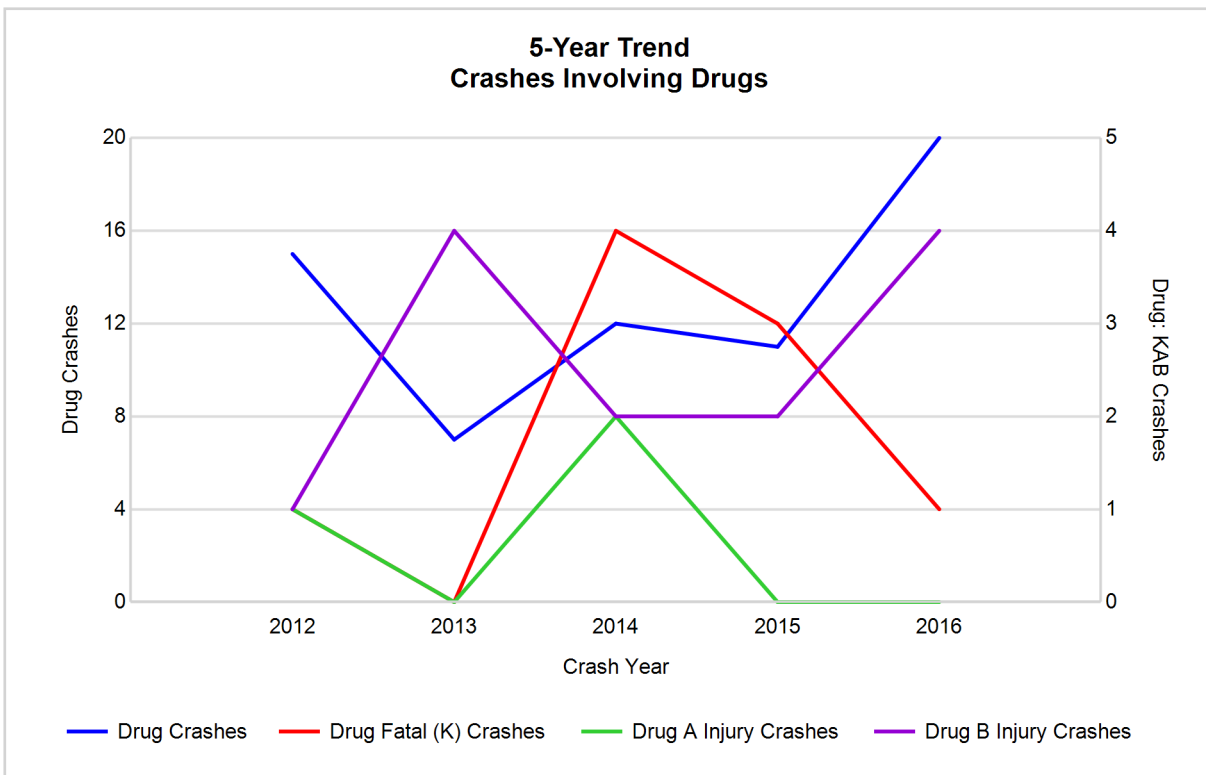

5-Year Trend
Crashes Involving Drugs

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
2012	2,704	122	4.5	6	1	16.7	39	8	20.5	134	20	14.9
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

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
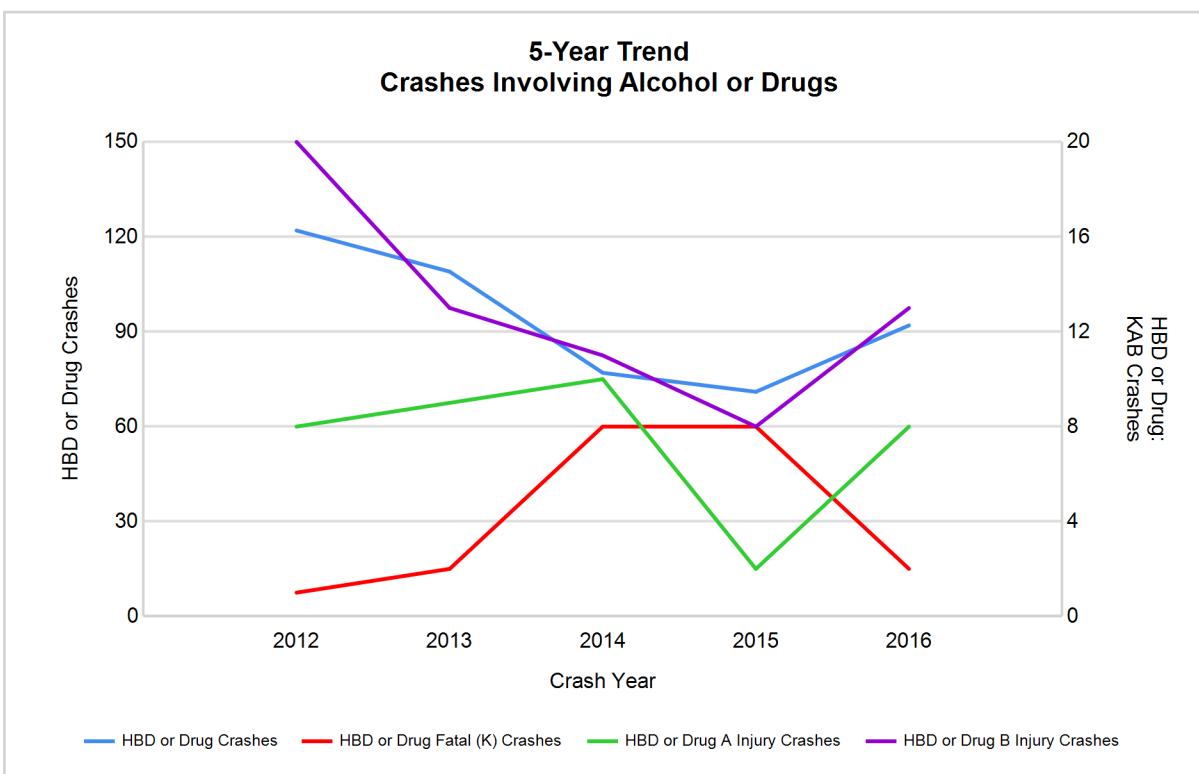

Note: Had-Been-Drinking (HBD)

2016 - 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	3,477	3,238	93.1	5	3	60.0	20	16	80.0	125	110	88.0	255	239	93.7	2,980	2,870	96.3
Motor home	88	84	95.5	0	0	0.0	2	1	50.0	1	1	100.0	4	4	100.0	81	78	96.3
Pickup truck	634	598	94.3	0	0	0.0	4	2	50.0	14	14	100.0	47	44	93.6	555	538	96.9
Small truck under 10,000 lbs. GVWR	54	50	92.6	0	0	0.0	0	0	0.0	2	1	50.0	2	2	100.0	48	47	97.9
Motorcycle	22	15	68.2	1	0	0.0	8	4	50.0	6	4	66.7	3	3	100.0	4	4	100.0
Moped / goped	1	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0
Go-cart / golf cart	2	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0	1	0	0.0	0	0	0.0
Snowmobile	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Off-Road Vehicle - ORV / All-Terrain Vehicle - ATV	2	2	100.0	0	0	0.0	1	1	100.0	0	0	0.0	0	0	0.0	1	1	100.0
Other	14	8	57.1	0	0	0.0	1	0	0.0	0	0	0.0	0	0	0.0	13	8	61.5
Truck/bus over 10,000 lbs.	33	30	90.9	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	32	30	93.8
Unknown	30	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	8	0	0.0
Total	**4,357**	**4,025**	**92.4**	**6**	**3**	**0.0**	**36**	**24**	**66.7**	**149**	**130**	**87.2**	**312**	**292**	**93.6**	**3,723**	**3,576**	**96.1**

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.

2016 - 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	29	90.6	0	0	0.0	0	0	0.0	10	9	90.0	19	18	94.7	3	2	66.7
16 - 20	730	698	95.6	1	0	0.0	7	4	57.1	31	27	87.1	71	65	91.5	619	602	97.3
21 - 24	686	650	94.8	2	2	100.0	6	3	50.0	18	13	72.2	42	40	95.2	616	592	96.1
25 - 64	2,315	2,231	96.4	3	1	33.3	21	16	76.2	75	66	88.0	151	142	94.0	2,061	2,006	97.3
65 +	434	417	96.1	0	0	0.0	2	1	50.0	15	15	100.0	29	27	93.1	387	374	96.6
Unknown	160	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	37	0	0.0
Total	**4,357**	**4,025**	**92.4**	**6**	**3**	**0.0**	**36**	**24**	**66.7**	**149**	**130**	**87.2**	**312**	**292**	**93.6**	**3,723**	**3,576**	**96.1**

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	2012			2013			2014			2015			2016		
	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	20	0	4	9	0	1	7	0	1	8	0	2	10	0	2
Shoulder belt only used	2	0	1	2	0	0	5	0	1	1	0	0	5	0	1
Lap belt only used	6	0	1	11	0	3	8	0	1	5	0	2	4	0	0
Both lap & shoulder belts used	3,618	3	261	3,608	0	298	3,596	4	274	3,534	8	268	3,882	1	319
No belts used	29	1	8	27	1	10	30	2	17	18	1	8	18	2	6
Child restraint used	1	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	1	0	0	0	0	0	0	0	0
Restraint failure	1	0	1	0	0	0	0	0	0	1	0	0	0	0	0
Restraint use unknown	109	0	10	133	0	6	107	2	9	121	1	11	253	0	17
Helmet worn	25	0	18	21	0	15	14	0	9	13	0	12	17	0	11
Helmet not worn	11	1	8	8	0	7	4	0	4	12	0	10	15	1	5
Helmet use unknown	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0
Uncoded & errors	186	0	0	141	0	0	149	0	0	146	0	1	15	0	0
Total	**4,010**	**5**	**314**	**3,960**	**1**	**340**	**3,921**	**8**	**316**	**3,859**	**10**	**314**	**4,219**	**4**	**361**

5-Year Trend - Restraint Use Among Drivers Coded Drinking

Restraint Use	2012			2013			2014			2015			2016		
	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	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Shoulder belt only used	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lap belt only used	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Both lap & shoulder belts used	73	0	17	82	0	14	53	1	13	49	4	8	56	1	11
No belts used	7	0	3	7	1	3	3	0	3	2	1	1	4	0	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	17	0	5	12	0	3	7	1	3	9	0	1	14	0	4
Helmet worn	0	0	0	1	0	1	1	0	1	1	0	1	0	0	0
Helmet not worn	2	0	2	1	0	1	0	0	0	2	0	1	1	1	0
Helmet use unknown	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Uncoded & errors	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**106**	**0**	**29**	**103**	**1**	**22**	**64**	**2**	**20**	**63**	**5**	**12**	**76**	**2**	**19**

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

Age Group	2012			2013			2014			2015			2016		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
0 - 15	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 - 20	4	0	2	4	0	2	4	0	3	3	0	1	1	0	0
21 - 24	11	0	3	6	0	4	12	0	7	8	1	2	6	0	1
25 - 64	21	1	5	22	1	4	18	1	7	14	0	6	18	2	7
65 +	5	0	2	2	0	1	2	1	1	1	0	1	3	0	0
Unknown	7	0	0	2	0	0	1	0	0	0	0	0	0	0	0
Total	**49**	**1**	**12**	**36**	**1**	**11**	**37**	**2**	**18**	**26**	**1**	**10**	**28**	**2**	**8**

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
2012	1	4	11	21	5	7	49
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
Average	0	3	9	19	3	2	35

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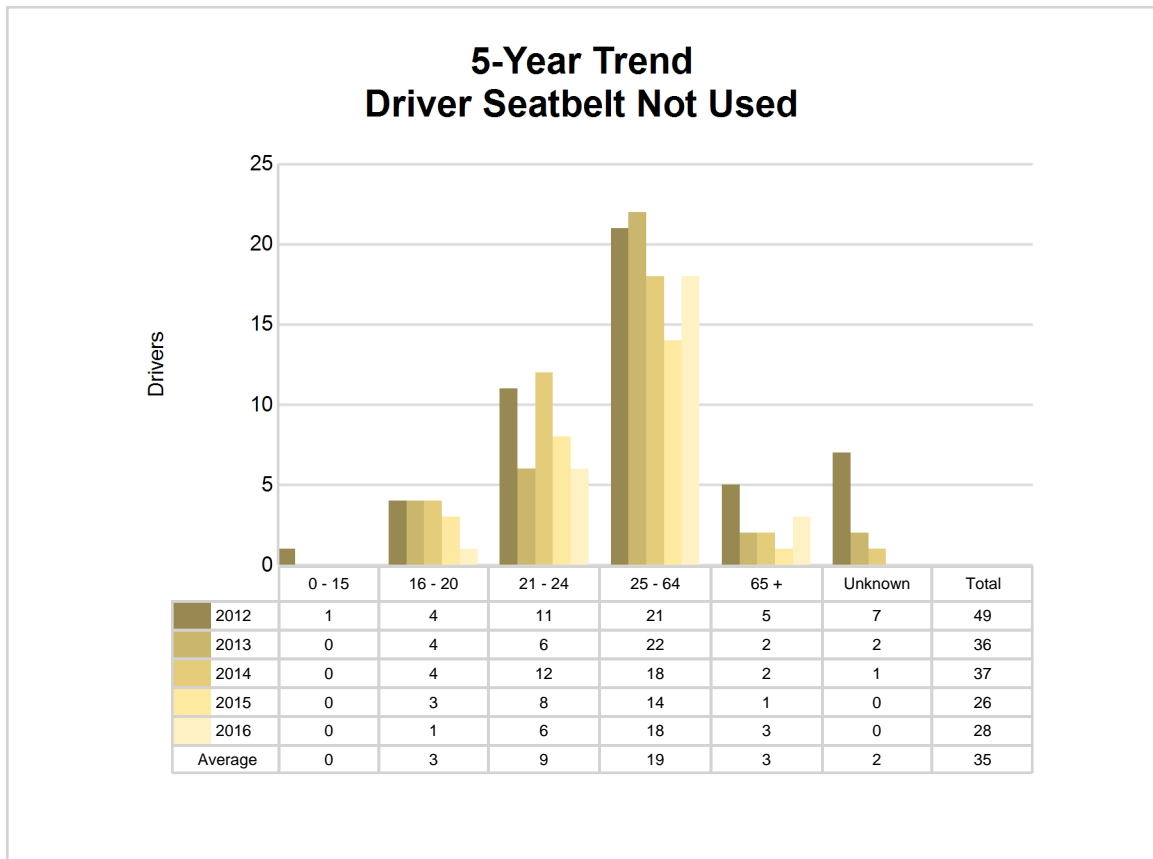
5-Year Trend - Seatbelt Used Among Drivers by Age

Age Group	2012			2013			2014			2015			2016		
	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	3	0	0	2	0	0	2	0	0	6	0	0	2	0	1
16 - 20	636	0	42	592	0	40	585	0	42	559	1	41	663	0	61
21 - 24	642	0	55	645	0	55	653	0	52	585	0	42	636	1	46
25 - 64	2,046	3	138	2,063	0	182	2,025	4	139	2,011	4	151	2,184	0	180
65 +	298	0	29	309	0	24	340	0	42	378	3	36	406	0	32
Unknown	2	0	0	10	0	0	4	0	1	2	0	0	0	0	0
Total	**3,627**	**3**	**264**	**3,621**	**0**	**301**	**3,609**	**4**	**276**	**3,541**	**8**	**270**	**3,891**	**1**	**320**

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
2012	3	636	642	2,046	298	2	3,627
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
Average	3	607	632	2,066	346	4	3,658

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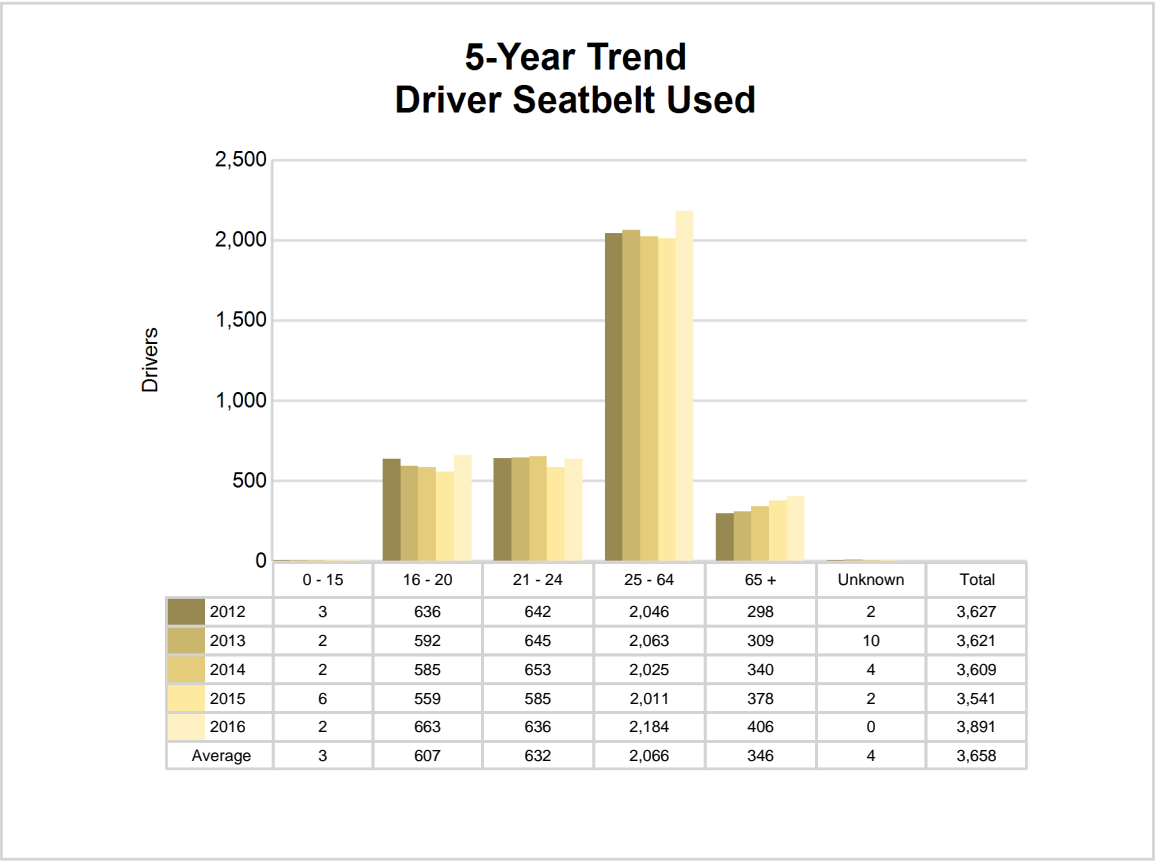
5-Year Trend - Drivers in Crashes by Hazardous Action

Hazardous Action	2012		2013		2014		2015		2016	
	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	2,357	2	2,262	0	2,223	7	2,337	9	2,521	2
Speed too fast	281	1	372	1	382	2	247	5	324	1
Speed too slow	8	0	3	0	2	0	3	0	2	0
Failed to yield	380	1	397	0	383	2	401	3	414	0
Disregard traffic control	64	1	66	0	52	1	66	1	73	1
Drove wrong way	1	0	2	0	3	1	3	0	2	0
Drove left of center	12	0	16	0	27	3	18	0	19	0
Improper passing	12	0	16	0	16	0	18	0	14	0
Improper lane use	71	0	60	0	54	0	71	0	59	0
Improper turn	50	0	32	0	64	0	52	0	48	0
Improper/no signal	7	0	2	0	4	0	5	0	6	0
Improper backing	67	0	56	0	50	0	65	0	54	0
Unable to stop in assured clear distance	398	0	409	0	405	0	382	1	415	0
Other	76	1	75	0	94	0	82	0	105	2
Unknown	51	2	49	2	59	1	33	1	69	0
Reckless driving	21	0	19	0	15	0	17	1	15	0
Careless/negligent driving	123	0	121	1	80	1	58	1	79	0
Uncoded & errors	31	0	3	0	8	0	1	0	0	0
Total	**4,010**	**8**	**3,960**	**4**	**3,921**	**18**	**3,859**	**22**	**4,219**	**6**
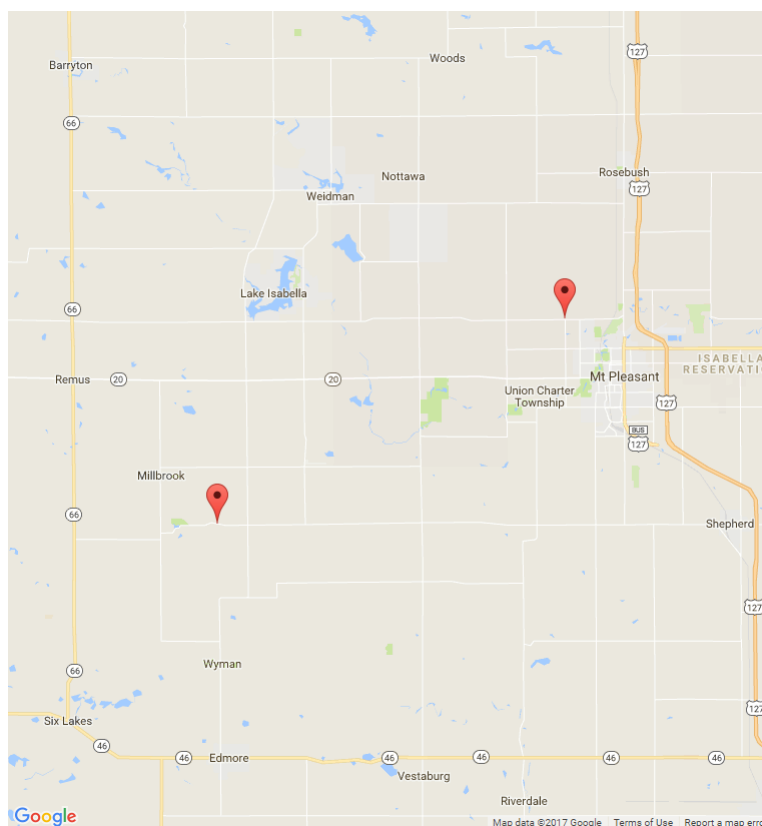
The picture above represents all 2016 alcohol-involved fatal crashes in Isabella County.

In 2016, there were 77 alcohol-involved crashes in Isabella County:

2	K - Fatal Crashes
8	A - Suspected Serious Injury Crashes
10	B - Suspected Minor Injury Crashes
10	C - Possible Injury Crashes
47	O - Property Damage Only/No Injury Crashes

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