



2015

**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 = Incapacitating Injury

B = Non-incapacitating Injury

C = Possible Injury

O = No Injury

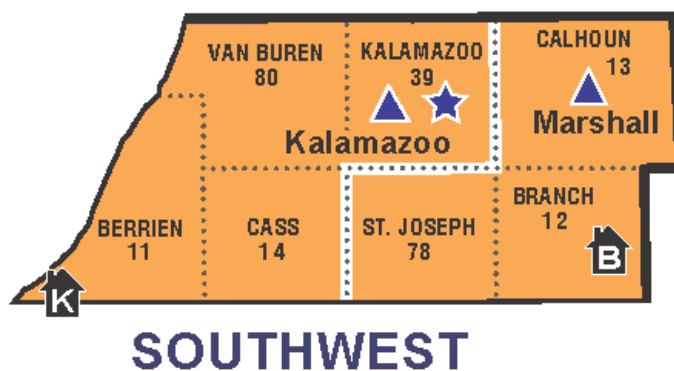
Property Damage Only (PDO)



## MDOT Region - Southwest

### 2015 Traffic Crash Data & 2011-2015 5-Year Trends

Beginning October 2015, MDOT Region - Southwest is comprised of Berrien, Branch, Calhoun, Cass, Kalamazoo, St. Joseph, and Van Buren counties. Trend tables for this report are based on those counties.



### Sources:

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

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## MDOT Region - Southwest Experience

In 2015:

There were 39,066 drivers involved in 24,660 motor vehicle crashes in MDOT Region Southwest. Of those crashes, 102 were classified as fatal, resulting in 115 fatalities. An additional 5,529 persons were injured.

MDOT Region Southwest experienced the highest number of motor vehicle crashes (2,892) in January, the highest number of fatal crashes (14) in June, and the highest number of persons killed (15) in September.

Michigan driver statistics indicate 6.5 percent of licensed drivers in MDOT Region Southwest were age 16-20, and 11.1 percent of drivers in crashes were also in that age group.

### 2015 - Crashes and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only (PDO)	Fatalities	Injuries
January	2,892	11	339	2,542	11	482
February	2,649	5	358	2,286	7	472
March	1,623	3	251	1,369	3	363
April	1,423	7	260	1,156	7	368
May	1,775	8	338	1,429	11	463
June	1,821	14	335	1,472	14	446
July	1,862	12	403	1,447	12	568
August	1,607	9	384	1,214	10	515
September	1,654	12	340	1,302	15	466
October	2,286	10	363	1,913	12	514
November	2,685	5	333	2,347	5	441
December	2,383	6	327	2,050	8	431
<b>Total</b>	<b>24,660</b>	<b>102</b>	<b>4,031</b>	<b>20,527</b>	<b>115</b>	<b>5,529</b>

### 2015 - Driver Statistics

Age Group	MDOT Region - Southwest			Driver Rates	
	2015 Population	Licensed Drivers	Drivers in Crashes	Per 10k Population	Per 10k Licensed
0 - 15	156,564	3,736	66	4.2	176.7
16 - 20	55,183	35,825	4,343	787.0	1,212.3
21 - 24	51,125	37,621	4,084	798.8	1,085.6
25 - 64	390,904	364,258	23,992	613.8	658.7
65 +	126,853	113,802	3,899	307.4	342.6
Unknown	- -	- -	2,682	- -	- -
<b>Total</b>	<b>780,629</b>	<b>555,242</b>	<b>39,066</b>	<b>500.4</b>	<b>703.6</b>

### 2015 - 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 & station wagon	29,961	76.7	116	54.2	5,303	24,542
Van & motorhome	1,390	3.6	8	3.7	249	1,133
Pickup truck	4,630	11.9	28	13.1	754	3,848
Small truck under 10,000 lbs. GVWR	417	1.1	2	0.9	76	339
Cycle	303	0.8	16	7.5	224	63
Moped	52	0.1	1	0.5	37	14
Go Cart	3	0.0	0	0.0	2	1
Snowmobile	5	0.0	1	0.5	2	2
Off-Road Vehicle (ORV) & All-Terrain Vehicle (ATV)	13	0.0	0	0.0	13	0
Other	176	0.5	1	0.5	31	144
Truck/bus over 10,000 lbs.	1,465	3.8	40	18.7	297	1,128
Unknown	651	1.7	1	0.5	44	606
<b>Total</b>	<b>39,066</b>	<b>100.0</b>	<b>214</b>	<b>100.0</b>	<b>7,032</b>	<b>31,820</b>

## MDOT Region - Southwest (continued)

### 5-Year Trend - Crashes by Month

Month	2011		2012		2013		2014		2015	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
January	2,980	6	2,717	4	2,555	7	3,729	0	2,892	11
February	2,220	6	2,094	6	2,363	7	2,447	3	2,649	5
March	1,468	5	1,612	7	1,679	7	1,900	8	1,623	3
April	1,436	5	1,363	4	1,394	6	1,317	10	1,423	7
May	1,725	7	1,677	6	1,717	6	1,546	9	1,775	8
June	1,743	4	1,631	11	1,651	10	1,580	5	1,821	14
July	1,640	6	1,481	16	1,651	9	1,640	7	1,862	12
August	1,478	9	1,423	3	1,577	9	1,483	6	1,607	9
September	1,804	9	1,525	9	1,637	15	1,621	6	1,654	12
October	2,116	13	2,076	8	2,184	12	2,281	5	2,286	10
November	2,809	5	2,015	8	2,770	16	3,193	5	2,685	5
December	2,189	6	2,456	7	2,794	10	1,665	3	2,383	6
<b>Total</b>	<b>23,608</b>	<b>81</b>	<b>22,070</b>	<b>89</b>	<b>23,972</b>	<b>114</b>	<b>24,402</b>	<b>67</b>	<b>24,660</b>	<b>102</b>

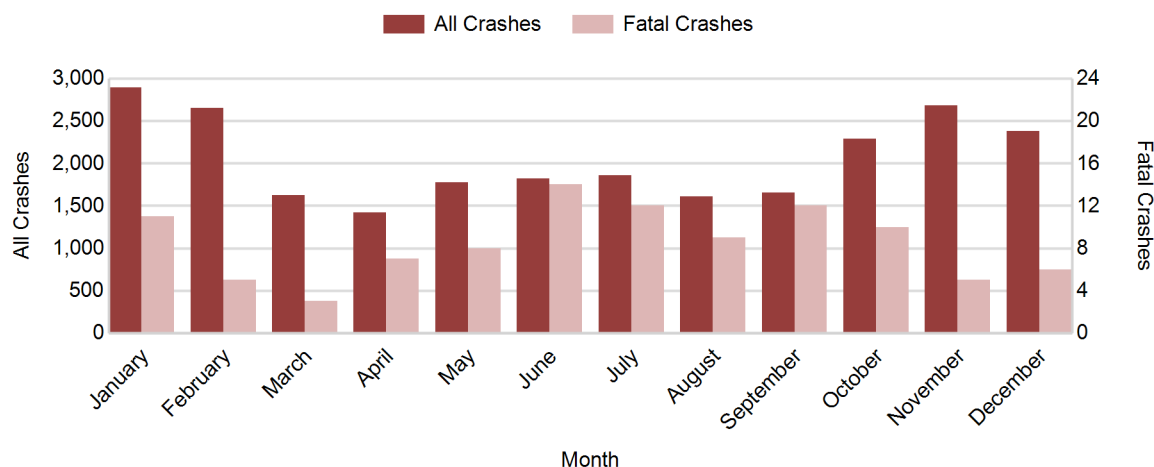
Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred in the same month

### 5-Year Trend - Crashes by Day of Week

Day	2011		2012		2013		2014		2015	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Monday	3,337	10	3,223	16	3,587	14	3,262	7	3,486	12
Tuesday	3,640	14	2,952	13	3,792	13	3,550	9	3,406	7
Wednesday	3,269	7	3,173	11	3,871	11	3,766	10	3,770	9
Thursday	3,455	10	3,045	9	3,504	19	4,251	11	3,594	15
Friday	3,889	10	4,099	12	3,619	23	4,012	7	4,069	17
Saturday	3,384	17	3,124	7	3,076	17	3,087	15	3,668	21
Sunday	2,634	13	2,454	21	2,523	17	2,474	8	2,667	21
<b>Total</b>	<b>23,608</b>	<b>81</b>	<b>22,070</b>	<b>89</b>	<b>23,972</b>	<b>114</b>	<b>24,402</b>	<b>67</b>	<b>24,660</b>	<b>102</b>

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

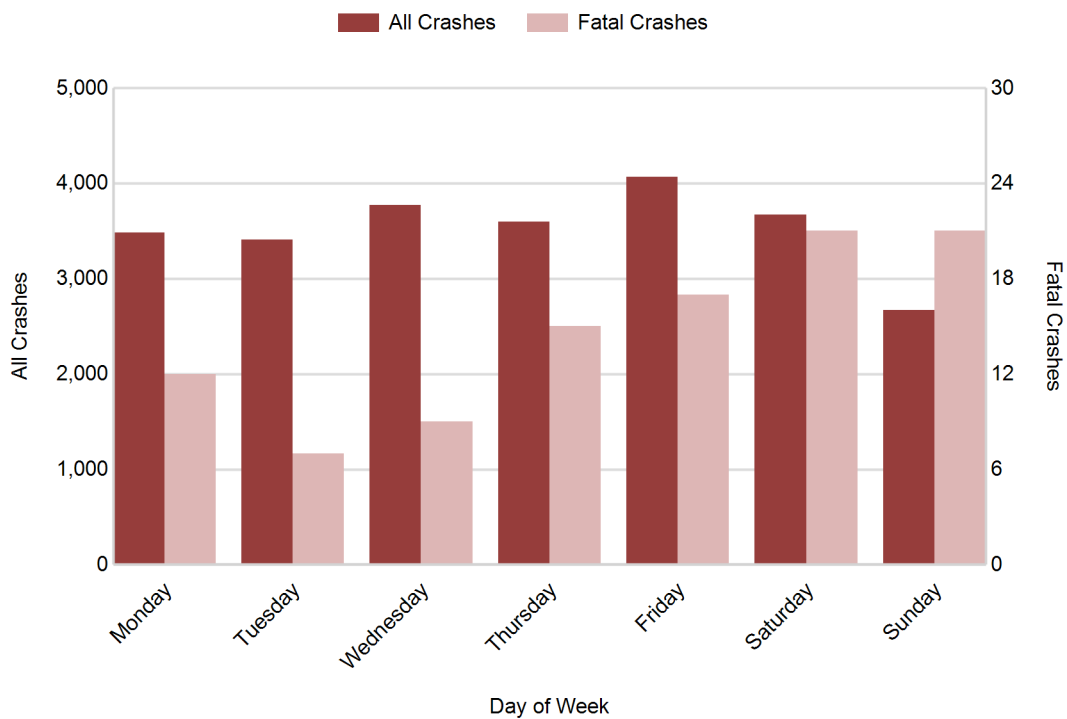
### 2015 Crashes by Month



## 2015 - 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	3,486	14.1	12	11.8	43	136	346	2,949
Tuesday	3,406	13.8	7	6.9	56	145	390	2,808
Wednesday	3,770	15.3	9	8.8	42	157	384	3,178
Thursday	3,594	14.6	15	14.7	52	164	370	2,993
Friday	4,069	16.5	17	16.7	50	165	443	3,394
Saturday	3,668	14.9	21	20.6	71	190	380	3,006
Sunday	2,667	10.8	21	20.6	54	150	243	2,199
<b>Total</b>	<b>24,660</b>	<b>100.0</b>	<b>102</b>	<b>100.0</b>	<b>368</b>	<b>1,107</b>	<b>2,556</b>	<b>20,527</b>

## 2015 Day of Week and Severity

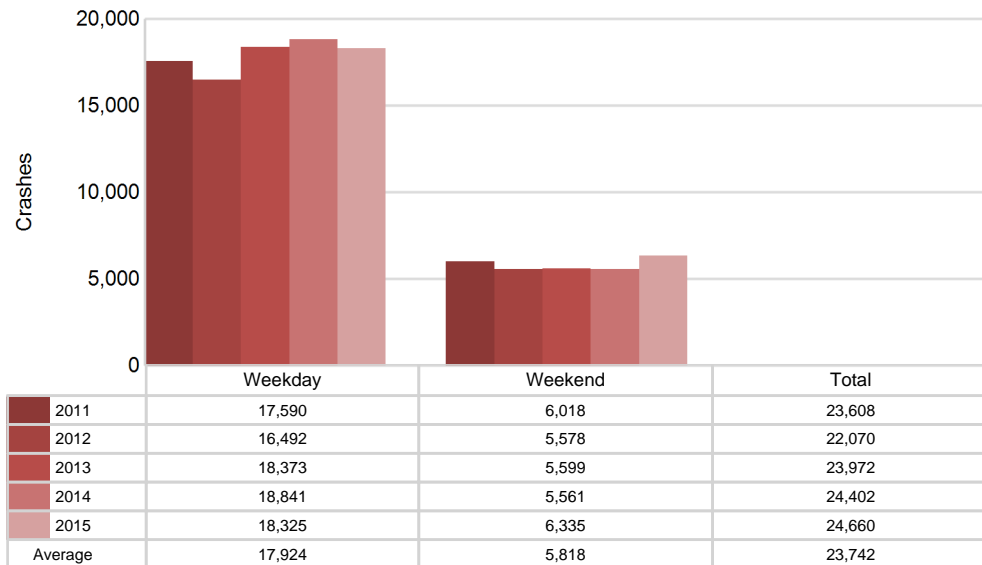


## MDOT Region - Southwest (continued)

### 5-Year Trend - Crashes by Weekday and Weekend

Portion of Week	2011		2012		2013		2014		2015	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Weekday	17,590	51	16,492	61	18,373	80	18,841	44	18,325	60
Weekend	6,018	30	5,578	28	5,599	34	5,561	23	6,335	42
<b>Total</b>	<b>23,608</b>	<b>81</b>	<b>22,070</b>	<b>89</b>	<b>23,972</b>	<b>114</b>	<b>24,402</b>	<b>67</b>	<b>24,660</b>	<b>102</b>

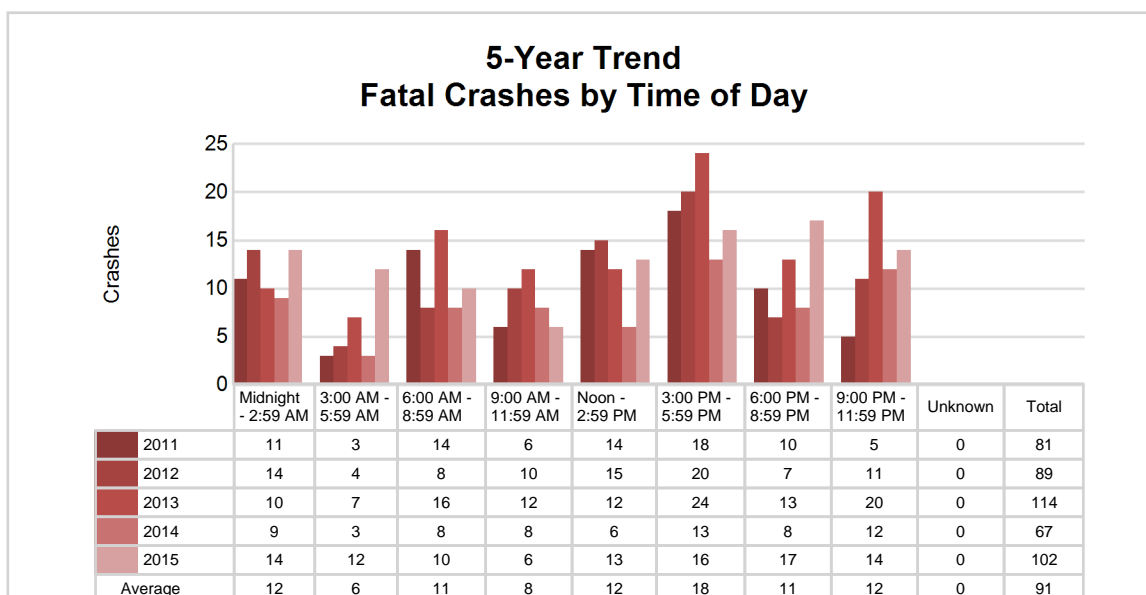
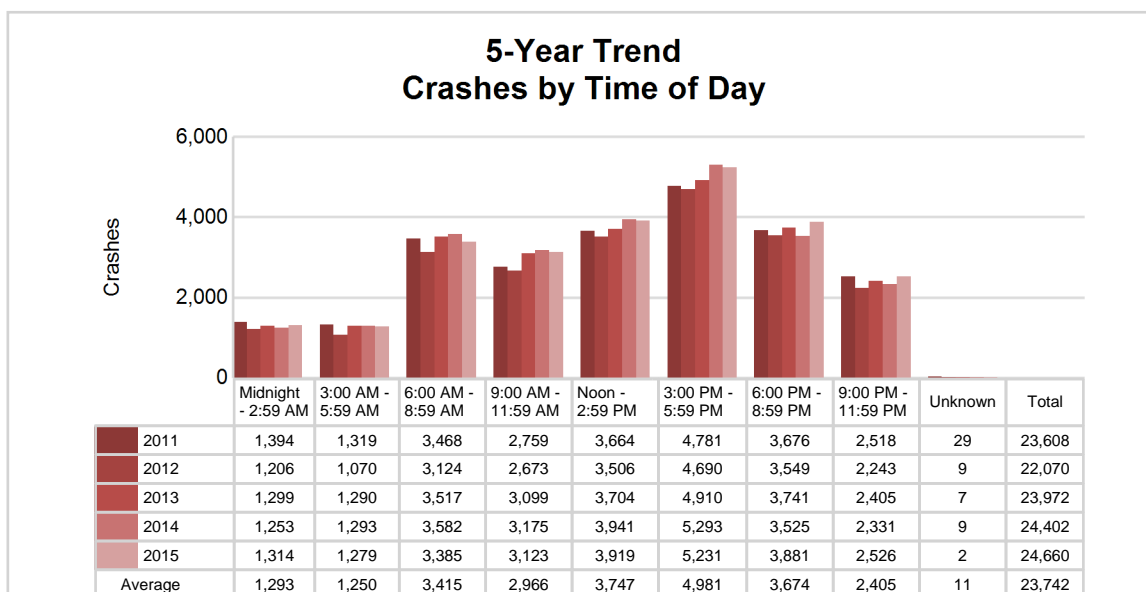
### 5-Year Crash Trends by Weekday (Monday - Friday) and Weekend (Saturday & Sunday)



## 5-Year Trend - Crashes by Time of Day

Time of Day	2011		2012		2013		2014		2015	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	1,394	11	1,206	14	1,299	10	1,253	9	1,314	14
3:00 AM - 5:59 AM	1,319	3	1,070	4	1,290	7	1,293	3	1,279	12
6:00 AM - 8:59 AM	3,468	14	3,124	8	3,517	16	3,582	8	3,385	10
9:00 AM - 11:59 AM	2,759	6	2,673	10	3,099	12	3,175	8	3,123	6
Noon - 2:59 PM	3,664	14	3,506	15	3,704	12	3,941	6	3,919	13
3:00 PM - 5:59 PM	4,781 †	18	4,690 †	20	4,910 †	24	5,293 †	13	5,231 †	16
6:00 PM - 8:59 PM	3,676	10	3,549	7	3,741	13	3,525	8	3,881	17
9:00 PM - 11:59 PM	2,518	5	2,243	11	2,405	20	2,331	12	2,526	14
Unknown	29	0	9	0	7	0	9	0	2	0
<b>Total</b>	<b>23,608</b>	<b>81</b>	<b>22,070</b>	<b>89</b>	<b>23,972</b>	<b>114</b>	<b>24,402</b>	<b>67</b>	<b>24,660</b>	<b>102</b>

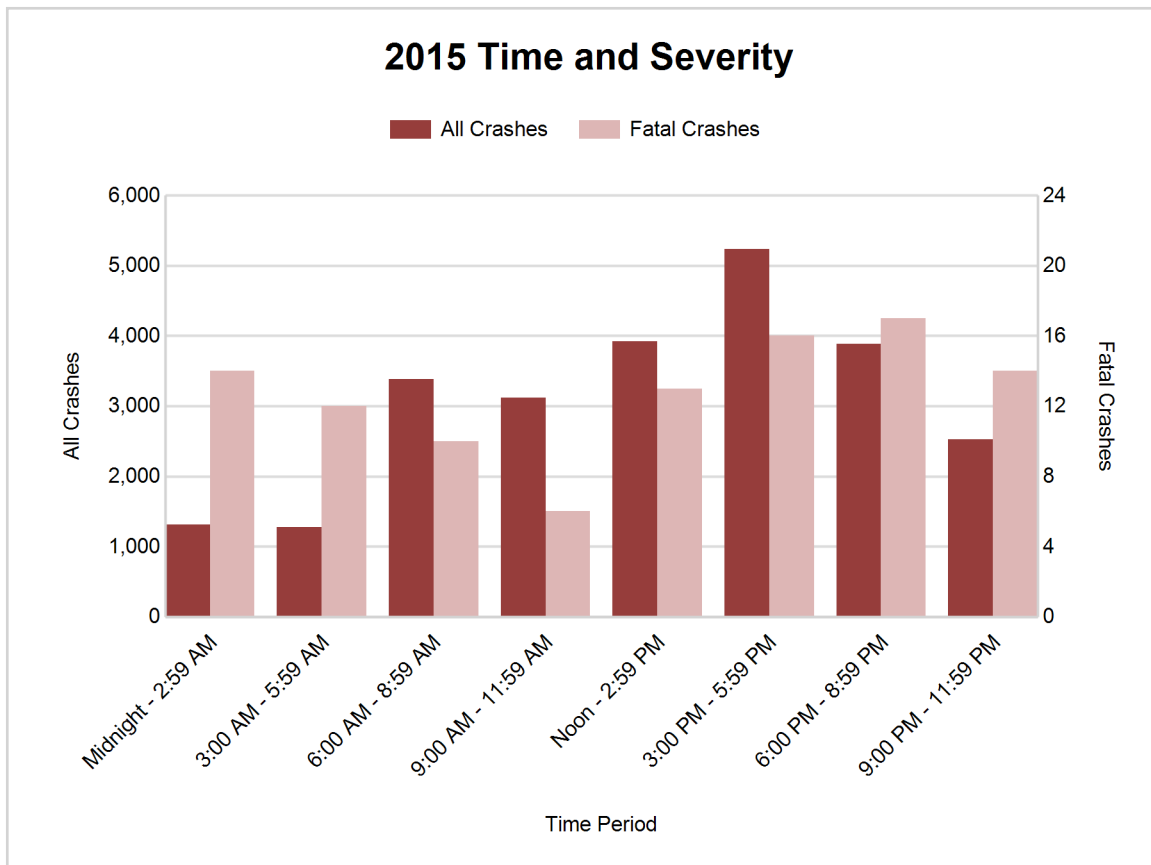
Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred in the same time period



## MDOT Region - Southwest (continued)

### 2015 - 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	1,314	5.3	14	13.7	26	70	109	1,095
3:00 AM - 5:59 AM	1,279	5.2	12	11.8	21	51	85	1,110
6:00 AM - 8:59 AM	3,385	13.7	10	9.8	31	119	292	2,933
9:00 AM - 11:59 AM	3,123	12.7	6	5.9	46	139	361	2,571
Noon - 2:59 PM	3,919	15.9	13	12.7	59	181	512	3,154
3:00 PM - 5:59 PM	5,231	21.2	16	15.7	80	251	634	4,250
6:00 PM - 8:59 PM	3,881	15.7	17	16.7	56	177	370	3,261
9:00 PM - 11:59 PM	2,526	10.2	14	13.7	49	119	193	2,151
Unknown	2	0.0	0	0.0	0	0	0	2
<b>Total</b>	<b>24,660</b>	<b>100.0</b>	<b>102</b>	<b>100.0</b>	<b>368</b>	<b>1,107</b>	<b>2,556</b>	<b>20,527</b>

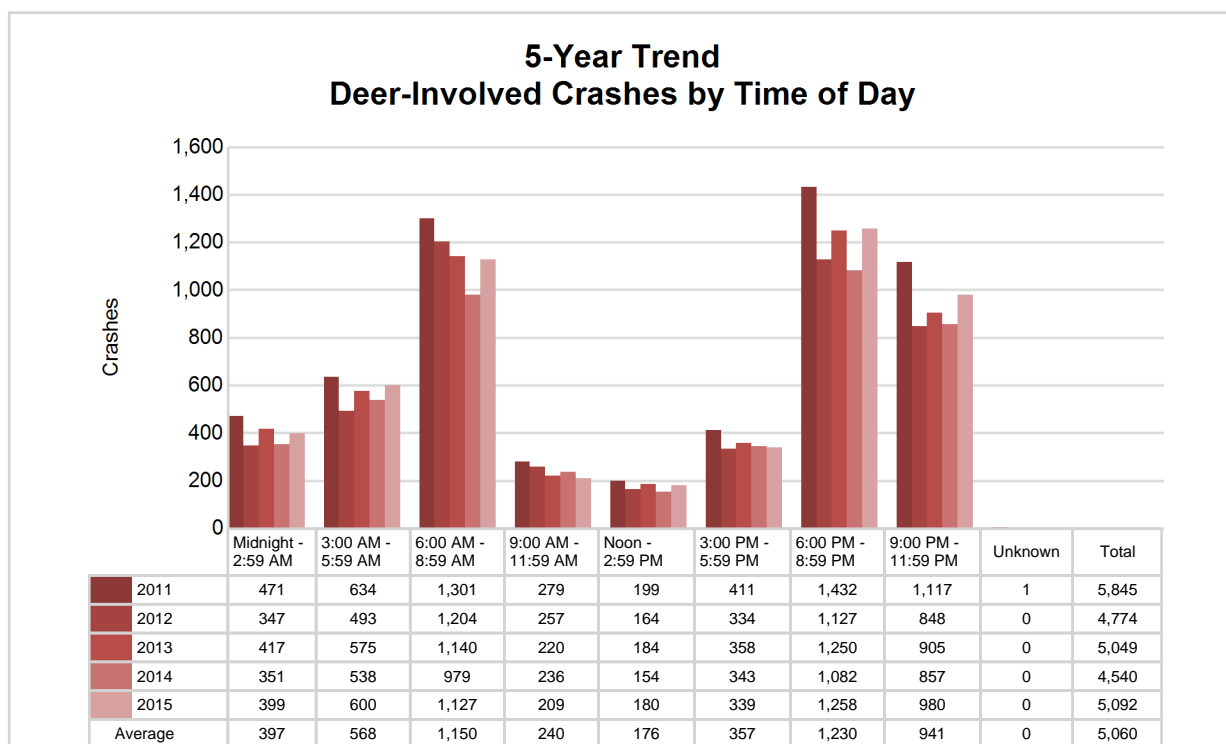




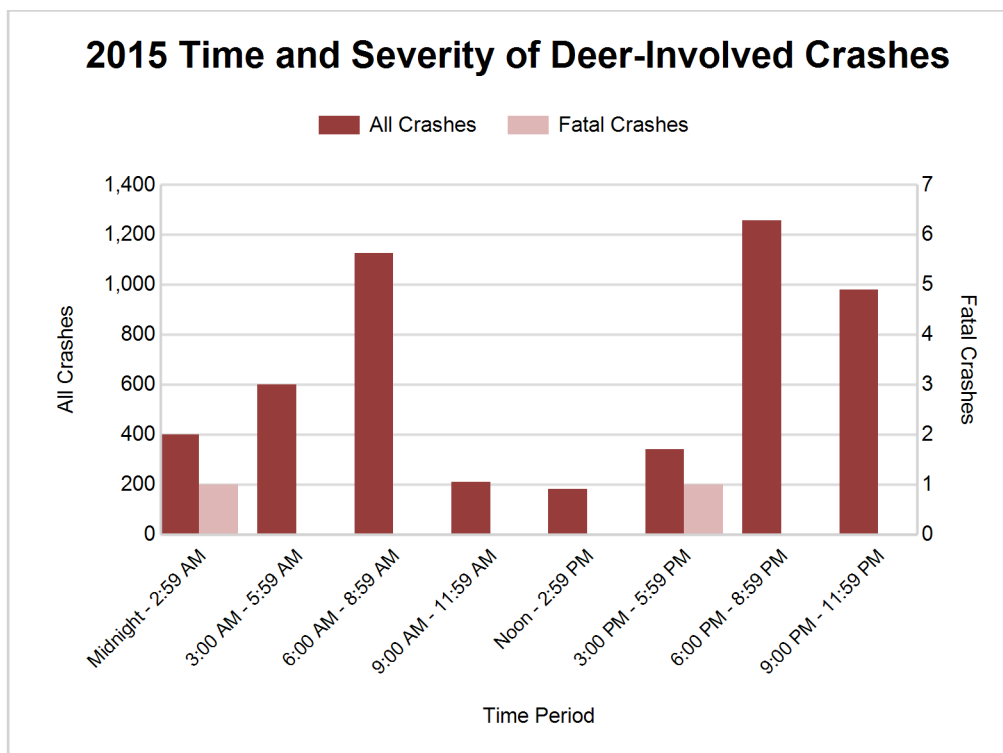
## 5-Year Trend - Deer-Involved Crashes by Time of Day

Time of Day	2011		2012		2013		2014		2015	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	471	0	347	0	417	0	351	0	399	1
3:00 AM - 5:59 AM	634	0	493	0	575	1	538	0	600	0
6:00 AM - 8:59 AM	1,301	0	1,204	0	1,140	0	979	0	1,127	0
9:00 AM - 11:59 AM	279	0	257	0	220	0	236	0	209	0
Noon - 2:59 PM	199	0	164	1	184	0	154	0	180	0
3:00 PM - 5:59 PM	411	0	334	0	358	0	343	0	339	1
6:00 PM - 8:59 PM	1,432	0	1,127	0	1,250	1	1,082	0	1,258	0
9:00 PM - 11:59 PM	1,117	0	848	0	905	0	857	0	980	0
Unknown	1	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>5,845</b>	<b>0</b>	<b>4,774</b>	<b>1</b>	<b>5,049</b>	<b>2</b>	<b>4,540</b>	<b>0</b>	<b>5,092</b>	<b>2</b>

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



## MDOT Region - Southwest (continued)



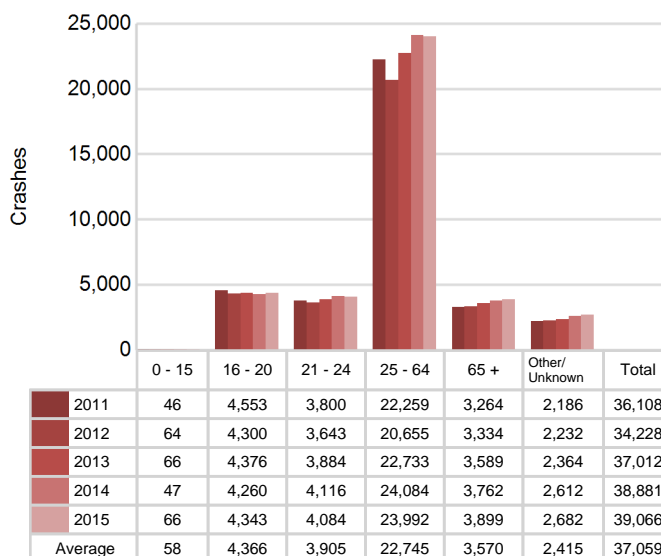
### 2015 - Reported Motor Vehicle Crashes by County

County	Crashes											Persons	
	Total	Fatal	Injury	Property Damage	Inter-state	US Route	State Route	Local Street	Alcohol-Involved	Drug-Involved	Deer-Involved	Fatalities	Injuries
Berrien	4,712	17	799	3,896	1,154	409	917	2,232	177	42	830	18	1,121
Branch	1,642	7	196	1,439	172	379	71	1,020	42	13	790	8	290
Calhoun	4,676	20	752	3,904	1,232	0	1,211	2,233	143	24	1,009	25	1,012
Cass	1,402	14	221	1,167	0	131	442	829	73	10	411	15	313
Kalamazoo	8,250	25	1,367	6,858	1,272	515	1,412	5,051	285	53	917	27	1,826
St. Joseph	1,603	4	285	1,314	0	364	419	820	76	13	484	4	394
Van Buren	2,375	15	411	1,949	611	0	461	1,303	110	27	651	18	573
<b>Total</b>	<b>24,660</b>	<b>102</b>	<b>4,031</b>	<b>20,527</b>	<b>4,441</b>	<b>1,798</b>	<b>4,933</b>	<b>13,488</b>	<b>906</b>	<b>182</b>	<b>5,092</b>	<b>115</b>	<b>5,529</b>

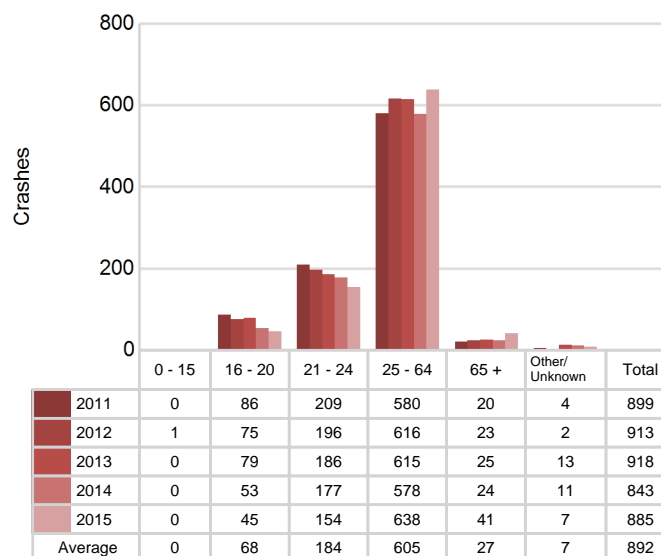
## 5-Year Trend - Drivers in Crashes Coded Drinking by Driver Age

Driver Age	2011		2012		2013		2014		2015	
	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	46	0	64	1	66	0	47	0	66	0
16 - 20	4,553	86	4,300	75	4,376	79	4,260	53	4,343	45
21 - 24	3,800	209	3,643	196	3,884	186	4,116	177	4,084	154
25 - 64	22,259	580	20,655	616	22,733	615	24,084	578	23,992	638
65 +	3,264	20	3,334	23	3,589	25	3,762	24	3,899	41
Unknown	2,186	4	2,232	2	2,364	13	2,612	11	2,682	7
<b>Total</b>	<b>36,108</b>	<b>899</b>	<b>34,228</b>	<b>913</b>	<b>37,012</b>	<b>918</b>	<b>38,881</b>	<b>843</b>	<b>39,066</b>	<b>885</b>

**5-Year Trend  
Total Drivers in Crashes by Age**



**5-Year Trend  
Total Drivers Coded Drinking by Age**



# MDOT Region - Southwest (continued)

## 2015 - Bodily Alcohol Concentration (BAC) Results Among All Vehicle Drivers in Alcohol-Involved Crashes by Age

Age Group	Drivers				BAC Result Range for Drivers Coded Drinking				
	Total Drivers in Alcohol-Involved Crashes	Total Drivers Tested in all Crashes	Total Drivers Coded Drinking, Tested	Total Drivers Coded Drinking	BAC = 0.00	BAC 0.01 g/dL to 0.07 g/dL	BAC 0.08 g/dL to 0.16 g/dL	BAC 0.17 g/dL and Above	BAC Not Reported
0 - 15	1	0	0	0	0	0	0	0	0
16 - 20	73	79	37	45	3	5	10	10	17
21 - 24	185	180	140	154	2	17	49	42	44
25 - 64	833	752	552	638	6	54	165	209	204
65 +	64	71	34	41	3	3	11	10	14
Unknown	81	4	0	7	0	0	0	0	7
<b>Total</b>	<b>1,237</b>	<b>1,086</b>	<b>763</b>	<b>885</b>	<b>14</b>	<b>79</b>	<b>235</b>	<b>271</b>	<b>286</b>

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 2015, there were 1,237 drivers in alcohol-involved crashes; 885 (71.5%) of those drivers were coded as had-been-drinking by the officer on the crash form.

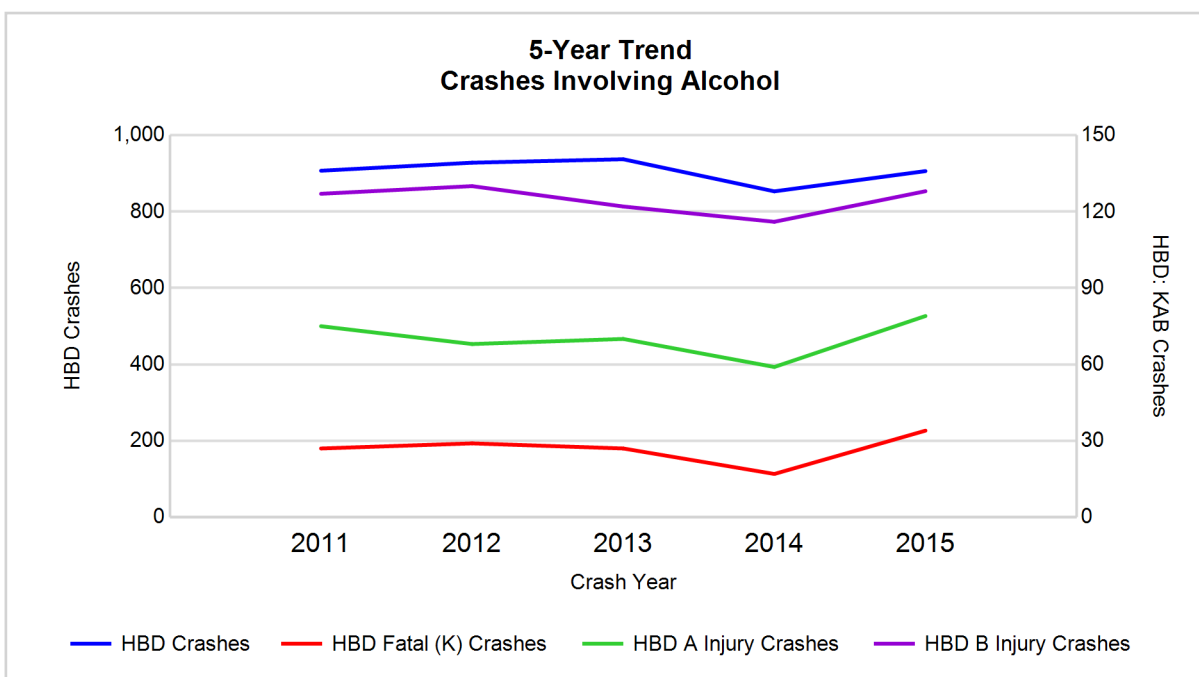
- 506 (57.2%) of the 885 drivers had a blood alcohol concentration (BAC) of 0.08 g/dL (grams per deciliter) or greater, and 271 (53.6%) of the 506 drivers had a BAC at or above 0.17 g/dL.
- 763 (86.2%) of the 885 drivers were coded as had-been-drinking and were tested for alcohol consumption.

## 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
2011	23,608	907	3.8	81	27	33.3	379	75	19.8	969	127	13.1
2012	22,070	928	4.2	89	29	32.6	390	68	17.4	1,019	130	12.8
2013	23,972	937	3.9	114	27	23.7	370	70	18.9	1,006	122	12.1
2014	24,402	853	3.5	67	17	25.4	365	59	16.2	1,055	116	11.0
2015	24,660**	906	3.7	102	34**	33.3	368	79**	21.5**	1,107**	128	11.6

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



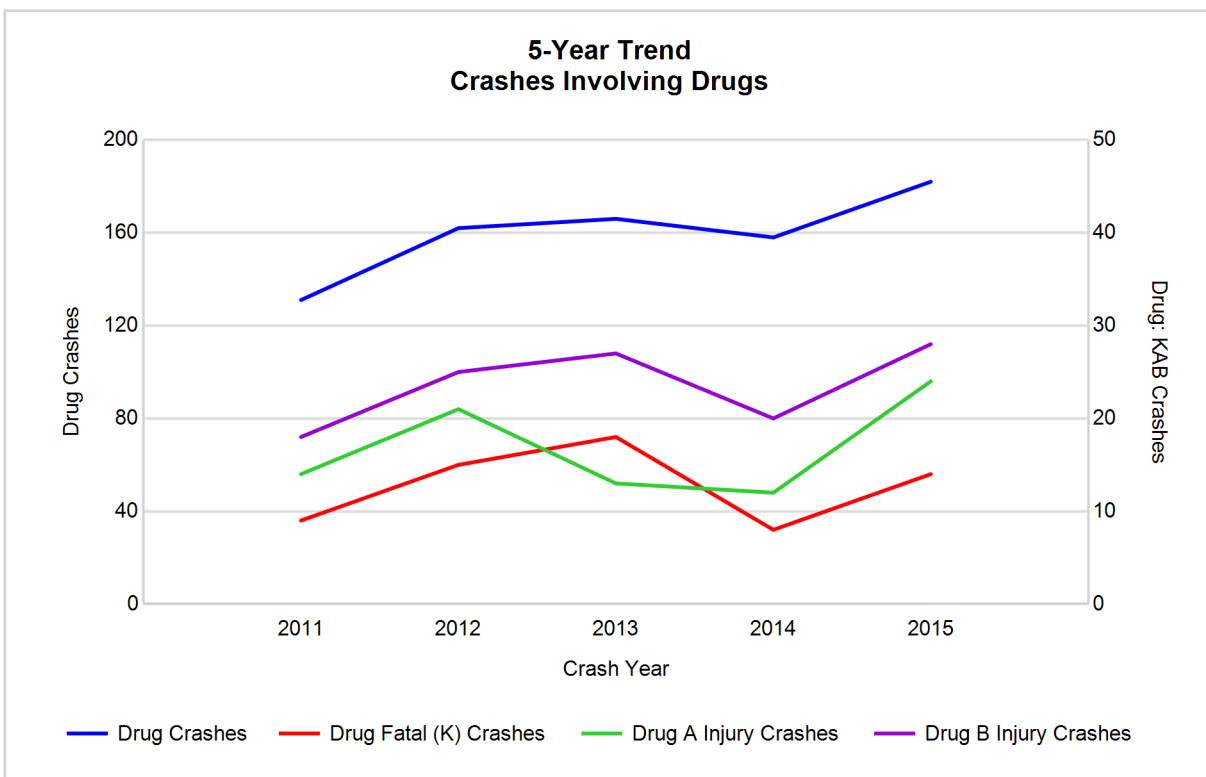
Note: Had-Been-Drinking (HBD)

## 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
2011	23,608	131	0.6	81	9	11.1	379	14	3.7	969	18	1.9
2012	22,070	162	0.7	89	15	16.9	390	21	5.4	1,019	25	2.5
2013	23,972	166	0.7	114	18	15.8	370	13	3.5	1,006	27	2.7
2014	24,402	158	0.6	67	8	11.9	365	12	3.3	1,055	20	1.9
2015	24,660**	182**	0.7	102	14	13.7	368	24**	6.5**	1,107**	28**	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



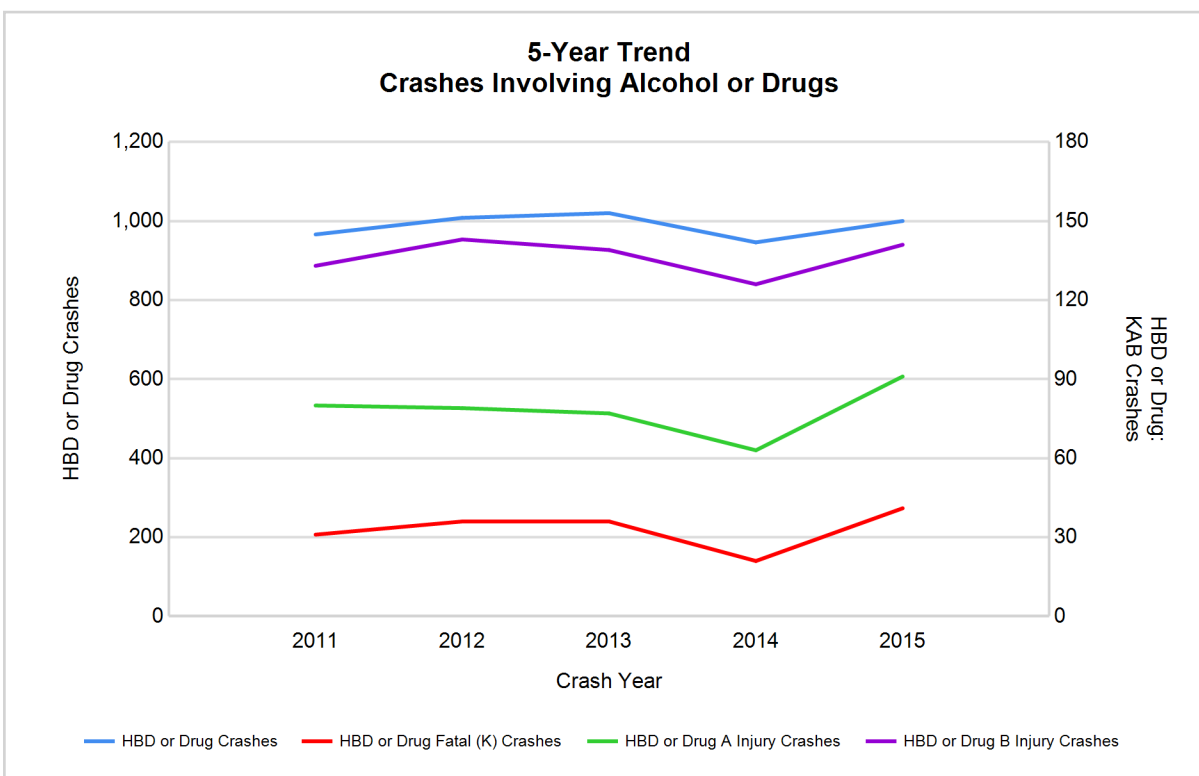
## MDOT Region - Southwest (continued)

### 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
2011	23,608	966	4.1	81	31	38.3	379	80	21.1	969	133	13.7
2012	22,070	1,008	4.6	89	36	40.4	390	79	20.3	1,019	143	14.0
2013	23,972	1,020	4.3	114	36	31.6	370	77	20.8	1,006	139	13.8
2014	24,402	946	3.9	67	21	31.3	365	63	17.3	1,055	126	11.9
2015	24,660**	1,000	4.1	102	41**	40.2	368	91**	24.7**	1,107**	141	12.7

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

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



Note: Had-Been-Drinking (HBD)

## 2015 - Restraints Worn Among Vehicle Drivers and Injured Passengers by Vehicle Type

Vehicle Type	Total Occupants			Fatalities			A - Incapacitating			B - Non-incapacitating			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 & station wagon	31,146	27,948	89.7	63	39	61.9	276	206	74.6	969	854	88.1	2,852	2,682	94.0	25,556	24,159	94.5
Van & motorhome	1,471	1,325	90.1	2	1	50.0	8	8	100.0	61	57	93.4	132	118	89.4	1,206	1,141	94.6
Pickup truck	4,753	4,251	89.4	12	5	41.7	52	36	69.2	116	98	84.5	316	289	91.5	4,042	3,822	94.6
Small truck under 10,000 lbs. GVWR	430	378	87.9	0	0	0.0	2	0	0.0	14	12	85.7	35	33	94.3	361	333	92.2
Cycle	327	201	61.5	16	7	43.8	56	28	50.0	117	76	65.0	67	50	74.6	68	39	57.4
Moped	55	11	20.0	1	0	0.0	10	0	0.0	16	5	31.3	12	2	16.7	15	4	26.7
Go Cart	5	0	0.0	0	0	0.0	0	0	0.0	2	0	0.0	1	0	0.0	2	0	0.0
Snowmobile	5	5	100.0	1	1	100.0	1	1	100.0	0	0	0.0	1	1	100.0	2	2	100.0
Off-Road Vehicle (ORV) & All-Terrain Vehicle (ATV)	17	7	41.2	0	0	0.0	3	2	66.7	6	1	16.7	6	3	50.0	2	1	50.0
Other	181	106	58.6	1	0	0.0	1	0	0.0	7	2	28.6	5	3	60.0	143	101	70.6
Truck/bus over 10,000 lbs.	1,478	1,375	93.0	3	0	0.0	9	8	88.9	24	22	91.7	63	57	90.5	1,345	1,288	95.8
Unknown	651	8	1.2	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	23	7	30.4
<b>Total</b>	<b>40,519</b>	<b>35,615</b>	<b>87.9</b>	<b>99</b>	<b>53</b>	<b>53.5</b>	<b>418</b>	<b>289</b>	<b>69.1</b>	<b>1,332</b>	<b>1,127</b>	<b>84.6</b>	<b>3,491</b>	<b>3,239</b>	<b>92.8</b>	<b>32,765</b>	<b>30,897</b>	<b>94.3</b>

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.

## 2015 - Restraints Worn Among Vehicle Drivers and Injured Passengers by Age

Age Group	Total Occupants			Fatalities			A - Incapacitating			B - Non-incapacitating			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	416	358	86.1	3	1	33.3	22	18	81.8	93	77	82.8	244	218	89.3	54	44	81.5
16 - 20	4,613	4,358	94.5	11	7	63.6	66	47	71.2	208	170	81.7	464	432	93.1	3,862	3,702	95.9
21 - 24	4,220	3,957	93.8	11	8	72.7	32	18	56.3	180	151	83.9	340	306	90.0	3,653	3,474	95.1
25 - 64	24,543	23,046	93.9	53	25	47.2	254	164	64.6	714	603	84.5	2,033	1,895	93.2	21,445	20,358	94.9
65 +	4,045	3,848	95.1	21	12	57.1	43	42	97.7	137	126	92.0	401	387	96.5	3,437	3,281	95.5
Unknown	2,682	48	1.8	0	0	0.0	1	0	0.0	0	0	0.0	9	1	11.1	314	38	12.1
<b>Total</b>	<b>40,519</b>	<b>35,615</b>	<b>87.9</b>	<b>99</b>	<b>53</b>	<b>53.5</b>	<b>418</b>	<b>289</b>	<b>69.1</b>	<b>1,332</b>	<b>1,127</b>	<b>84.6</b>	<b>3,491</b>	<b>3,239</b>	<b>92.8</b>	<b>32,765</b>	<b>30,897</b>	<b>94.3</b>

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.

## MDOT Region - Southwest (continued)

## 5-Year Trend - Restraint Use Among Drivers

Restraint Use	2011			2012			2013			2014			2015		
	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	265	0	33	236	3	40	194	2	26	173	0	19	187	1	18
Shoulder belt only used	42	0	4	68	0	1	89	0	11	212	0	8	117	0	8
Lap belt only used	125	1	17	124	0	11	130	1	11	128	0	19	168	1	20
Both lap & shoulder belts used	31,777	28	2,983	29,895	25	3,025	32,380	43	3,155	33,850	18	3,222	33,881	33	3,251
No belts used	262	15	110	276	21	112	293	20	97	291	13	96	269	16	92
Child restraint used	2	0	0	1	0	0	0	0	0	1	0	0	1	0	0
Child restraint not used, unavailable or improper use	3	0	0	1	0	0	2	0	0	1	0	0	0	0	0
Restraint failure	12	0	4	18	0	2	6	0	0	10	0	0	7	0	1
Restraint use unknown	1,272	5	142	1,161	7	115	1,374	11	159	1,476	5	133	1,562	9	150
Helmet worn	289	9	212	256	10	193	241	6	174	206	4	134	207	8	152
Helmet not worn	44	0	32	133	1	103	122	5	96	119	4	93	144	10	99
Helmet use unknown	6	0	2	13	0	5	23	1	12	15	1	6	26	0	12
Uncoded & errors	2,009	0	9	2,046	0	3	2,158	0	2	2,399	0	4	2,497	0	6
<b>Total</b>	<b>36,108</b>	<b>58</b>	<b>3,548</b>	<b>34,228</b>	<b>67</b>	<b>3,610</b>	<b>37,012</b>	<b>89</b>	<b>3,743</b>	<b>38,881</b>	<b>45</b>	<b>3,734</b>	<b>39,066</b>	<b>78</b>	<b>3,809</b>

## 5-Year Trend - Restraint Use Among Drivers Coded Drinking

Restraint Use	2011			2012			2013			2014			2015		
	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	12	0	6	5	1	2	7	0	5	5	0	0	7	1	3
Shoulder belt only used	4	0	2	6	0	0	5	0	1	2	0	0	2	0	2
Lap belt only used	6	1	3	2	0	0	2	0	1	3	0	1	4	0	1
Both lap & shoulder belts used	622	5	156	651	5	181	632	5	168	615	3	150	618	8	165
No belts used	62	8	37	69	8	44	62	11	34	53	2	31	66	4	41
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	3	0	1	0	0	0	0	0	0	0	0	0
Restraint use unknown	166	1	45	149	3	35	176	3	48	131	2	31	151	1	44
Helmet worn	19	0	15	11	1	7	12	0	9	12	0	11	12	4	6
Helmet not worn	7	0	7	14	0	13	14	1	11	15	2	11	19	3	14
Helmet use unknown	1	0	1	1	0	0	1	0	1	0	0	0	1	0	1
Uncoded & errors	0	0	0	2	0	0	7	0	0	7	0	0	5	0	1
<b>Total</b>	<b>899</b>	<b>15</b>	<b>272</b>	<b>913</b>	<b>18</b>	<b>283</b>	<b>918</b>	<b>20</b>	<b>278</b>	<b>843</b>	<b>9</b>	<b>235</b>	<b>885</b>	<b>21</b>	<b>278</b>

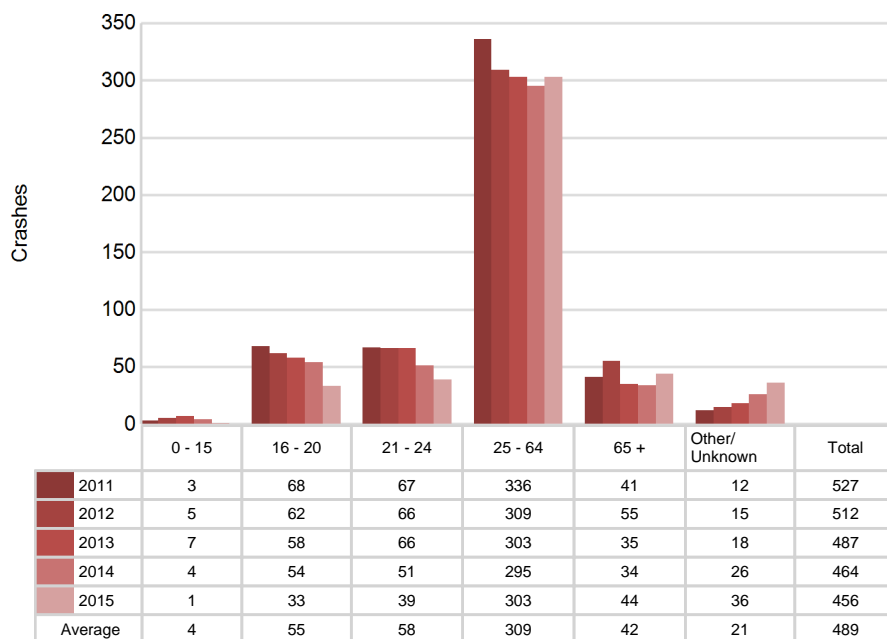


## 5-Year Trend - Seatbelt Not Used Among Drivers by Age

Age Group	2011			2012			2013			2014			2015		
	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	2	5	1	1	7	0	1	4	0	0	1	0	0
16 - 20	68	4	21	62	4	21	58	1	18	54	2	19	33	2	6
21 - 24	67	3	12	66	2	28	66	2	27	51	3	13	39	1	15
25 - 64	336	7	93	309	15	91	303	15	71	295	7	73	303	8	78
65 +	41	1	15	55	2	11	35	4	6	34	1	9	44	6	10
Unknown	12	0	0	15	0	0	18	0	0	26	0	1	36	0	1
<b>Total</b>	<b>527</b>	<b>15</b>	<b>143</b>	<b>512</b>	<b>24</b>	<b>152</b>	<b>487</b>	<b>22</b>	<b>123</b>	<b>464</b>	<b>13</b>	<b>115</b>	<b>456</b>	<b>17</b>	<b>110</b>

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

## 5-Year Trend Driver Seatbelt Not Used



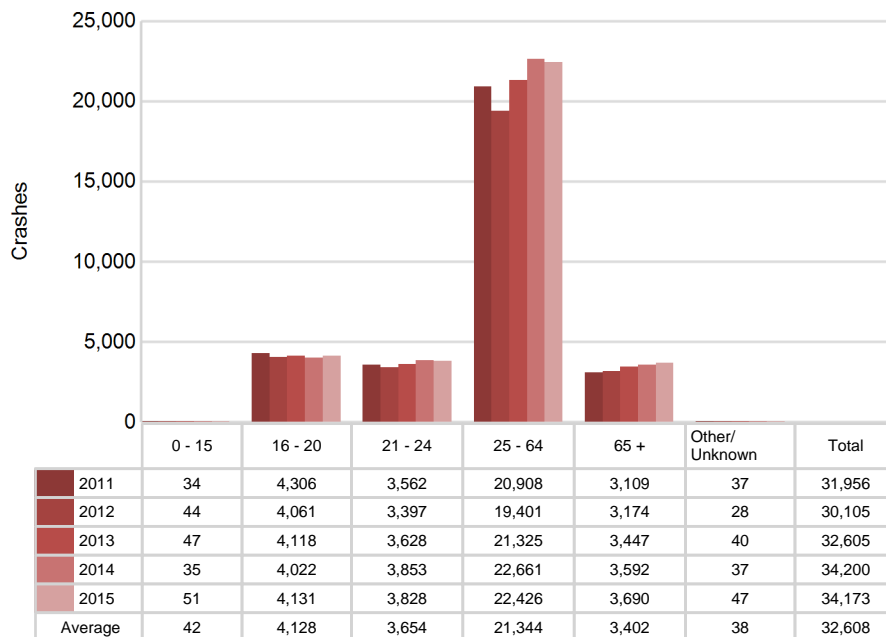
## MDOT Region - Southwest (continued)

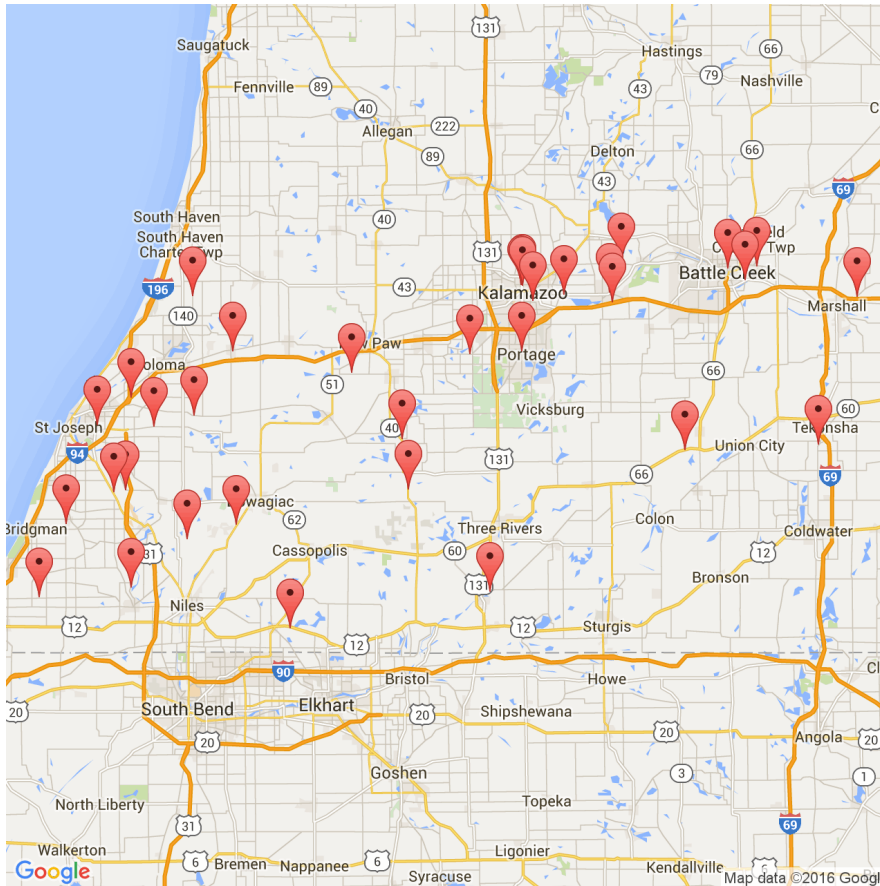
### 5-Year Trend - Seatbelt Used Among Drivers by Age

Age Group	2011			2012			2013			2014			2015		
	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	34	0	2	44	0	5	47	0	4	35	0	4	51	0	9
16 - 20	4,306	5	430	4,061	3	410	4,118	5	419	4,022	1	387	4,131	5	427
21 - 24	3,562	3	320	3,397	7	343	3,628	3	348	3,853	3	380	3,828	6	356
25 - 64	20,908	14	1,924	19,401	9	1,915	21,325	14	1,981	22,661	10	2,123	22,426	16	2,078
65 +	3,109	7	332	3,174	6	365	3,447	22	423	3,592	4	352	3,690	7	409
Unknown	37	0	0	28	0	1	40	0	2	37	0	3	47	0	1
<b>Total</b>	<b>31,956</b>	<b>29</b>	<b>3,008</b>	<b>30,105</b>	<b>25</b>	<b>3,039</b>	<b>32,605</b>	<b>44</b>	<b>3,177</b>	<b>34,200</b>	<b>18</b>	<b>3,249</b>	<b>34,173</b>	<b>34</b>	<b>3,280</b>

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





The picture above represents all 2015 alcohol-involved fatal crashes in MDOT Region - Southwest. In 2015, there were 906 alcohol-involved crashes in MDOT Region - Southwest:

34	K - Fatal Crashes
79	A - Incapacitating Injury Crashes
128	B - Non-incapacitating Injury Crashes
147	C - Possible Injury Crashes
518	O - Property Damage Only/No Injury Crashes

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