



Office of Highway Safety Planning

2011

# 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.

## COUNTY PROFILES

The number of reported crashes varies greatly by county in Michigan due to the state's geography and demographics. Southeastern Michigan is densely populated, while the rest of the state is predominately rural, particularly in the Upper Peninsula.

Wayne County had 45,549 total motor vehicle crashes in 2011, with 130 fatalities. At the other end of the spectrum, Keweenaw County had 81 total motor vehicle crashes in 2011, with two fatalities. In addition to Keweenaw County, five counties had less than 350 total motor vehicle crashes: Alger (285), Gogebic (305), Luce (189), Montmorency (303), and Oscoda (304).

The counties of Alcona, Gogebic, Lake, Missaukee, Oceana, and Presque Isle experienced a year with no motor vehicle traffic fatalities in 2011.

### Sources:

The crashes in this report occurred on public roadways in Michigan and resulted in injuries, fatalities, or property damage (with a \$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 Department of State Police. Other related information was obtained from the departments of Transportation, State, and Community Health.





# 2011 Michigan Statewide

## Statewide Experience

In 2011:

There were 473,501 drivers involved in 284,049 Michigan motor vehicle traffic crashes. Of those crashes, 834 were classified as fatal resulting in 889 fatalities. An additional 71,796 persons were injured.

Michigan experienced the highest number of fatal crashes (95) and the highest number of persons killed (105) in August.

Michigan driver statistics indicate 7.2 percent of licensed drivers were age 16-20, and 12.3 percent of drivers in that age group were involved in crashes.

In Michigan, motorcycles accounted for only 0.7 percent of the total vehicles in crashes, but they were involved in 8.9 percent of the total fatal crashes.

## Collision and injuries, by month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatalities	Injury
January	29,240	64	4,552	24,624	68	6,069
February	25,755	45	4,084	21,626	51	5,524
March	21,149	63	3,729	17,357	66	5,032
April	18,273	52	3,579	14,642	55	4,909
May	20,753	64	4,302	16,387	67	5,907
June	22,651	64	4,669	17,918	68	6,437
July	20,757	79	4,690	15,988	80	6,557
August	19,658	95	4,694	14,869	105	6,592
September	22,610	76	4,526	18,008	79	6,202
October	26,685	88	4,651	21,946	100	6,382
November	29,729	68	4,457	25,204	70	5,985
December	26,789	76	4,554	22,159	80	6,200
<b>Total</b>	<b>284,049</b>	<b>834</b>	<b>52,487</b>	<b>230,728</b>	<b>889</b>	<b>71,796</b>

*The highest number of motor vehicle crashes was experienced in the month of November in 2011.*

## Driver Statistics

Age Group	2010* Population	Licensed Drivers	Drivers in crashes	Drivers in crashes	
				Per 10K population	Per 10K licensed
0 - 15	2,051,404	49,998	850	4.1	170.0
16 - 20	746,831	503,674	58,279	780.4	1157.1
21 - 64	5,723,875	5,272,185	333,527	582.7	632.6
65 +	1,361,530	1,212,019	40,495	297.4	334.1
Other/Unknown	--	--	40,350	--	--
<b>Total</b>	<b>9,883,640</b>	<b>7,037,876</b>	<b>473,501</b>	<b>479.1</b>	<b>672.8</b>

\*2011 Population of Michigan (by single-year of age) not yet available from U.S. Census Bureau

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	360,881	76.2	791	62.4	71,815	288,275
Van, motorhome	23,639	5.0	51	4.0	4,963	18,625
Pickup truck	55,115	11.6	184	14.5	9,870	45,061
Small truck under 10,000 lbs. GVWR	9,148	1.9	11	0.9	1,849	7,288
Cycle	3,175	0.7	113	8.9	2,353	709
Moped	349	0.1	9	0.7	279	61
Go Cart	22	0.0	0	0.0	11	11
Snowmobile	132	0.0	6	0.5	88	38
Off-Road Vehicle (ORV) / All-Terrain Vehicle (ATV)	253	0.1	8	0.6	199	46
Other	1,913	0.4	10	0.8	343	1,560
Truck/bus over 10,000 lbs.	10,885	2.3	73	5.8	1,903	8,909
Unknown	7,989	1.7	11	0.9	705	7,273
<b>Total</b>	<b>473,501</b>	<b>100.0</b>	<b>1,267</b>	<b>100.0</b>	<b>94,378</b>	<b>377,856</b>

## 2011 Michigan Statewide (continued)

### Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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	20	12	7	14	0	3	2	0	9
16 - 20	1,332	1,145	759	935	19	96	238	117	465
21 - 64	11,341	8,888	6,791	8,408	115	512	1,410	1,833	4,538
65 +	496	441	220	269	2	26	57	42	142
Other/Unknown	1,230	30	2	75	0	0	0	0	75
<b>TOTAL</b>	<b>14,419</b>	<b>10,516</b>	<b>7,779</b>	<b>9,701</b>	<b>136</b>	<b>637</b>	<b>1,707</b>	<b>1,992</b>	<b>5,229</b>

Notes:

BAC measured in grams (g) per deciliter (dL)

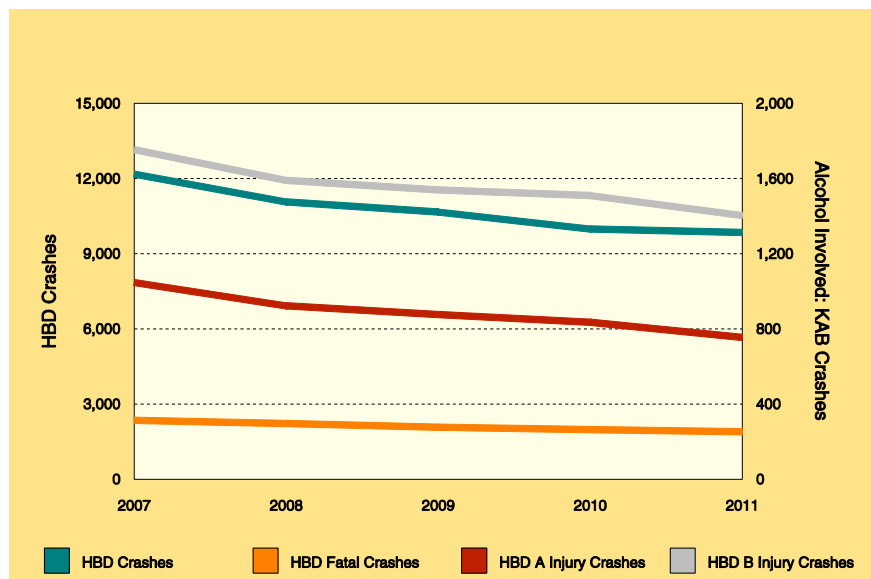
BAC may not be reported if drivers are not tested, or if the results are not available immediately (as in the case of a blood test)

A driver may be coded by the officer as drinking even though no test is administered.

### Crashes Involving Alcohol

Year	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	324,174	12,185	3.8	987	313	31.7	5,937	1,047	17.6	14,821	1,754	11.8
2008	316,057	11,068	3.5	915	297	32.5	5,411	923	17.1	13,473	1,591	11.8
2009	290,978	10,665	3.7	806	277	34.4	5,233	876	16.7	12,777	1,539	12.0
2010	282,075	9,986	3.5	868	264	30.4	4,797	835	17.4	13,404	1,509	11.3
2011	284,049	9,845*	3.5	834	253*	30.3	4,606*	755*	16.4	13,281	1,404*	10.6

\* Lowest number reported in the 5-year period.



Note: Had-Been-Drinking (HBD)

### Alcohol-involved Crashes

There were 14,419 drivers involved in alcohol-involved crashes; 9,701 (67.3%) of those drivers were coded as had-been-drinking by the officer on the crash form, and 3,699 (38.1%) of those drivers had a blood alcohol concentration (BAC) of 0.08 g/dL (grams per deciliter) or greater.

7,779 (53.9%) of the drivers were coded as had-been-drinking and were tested for alcohol consumption.

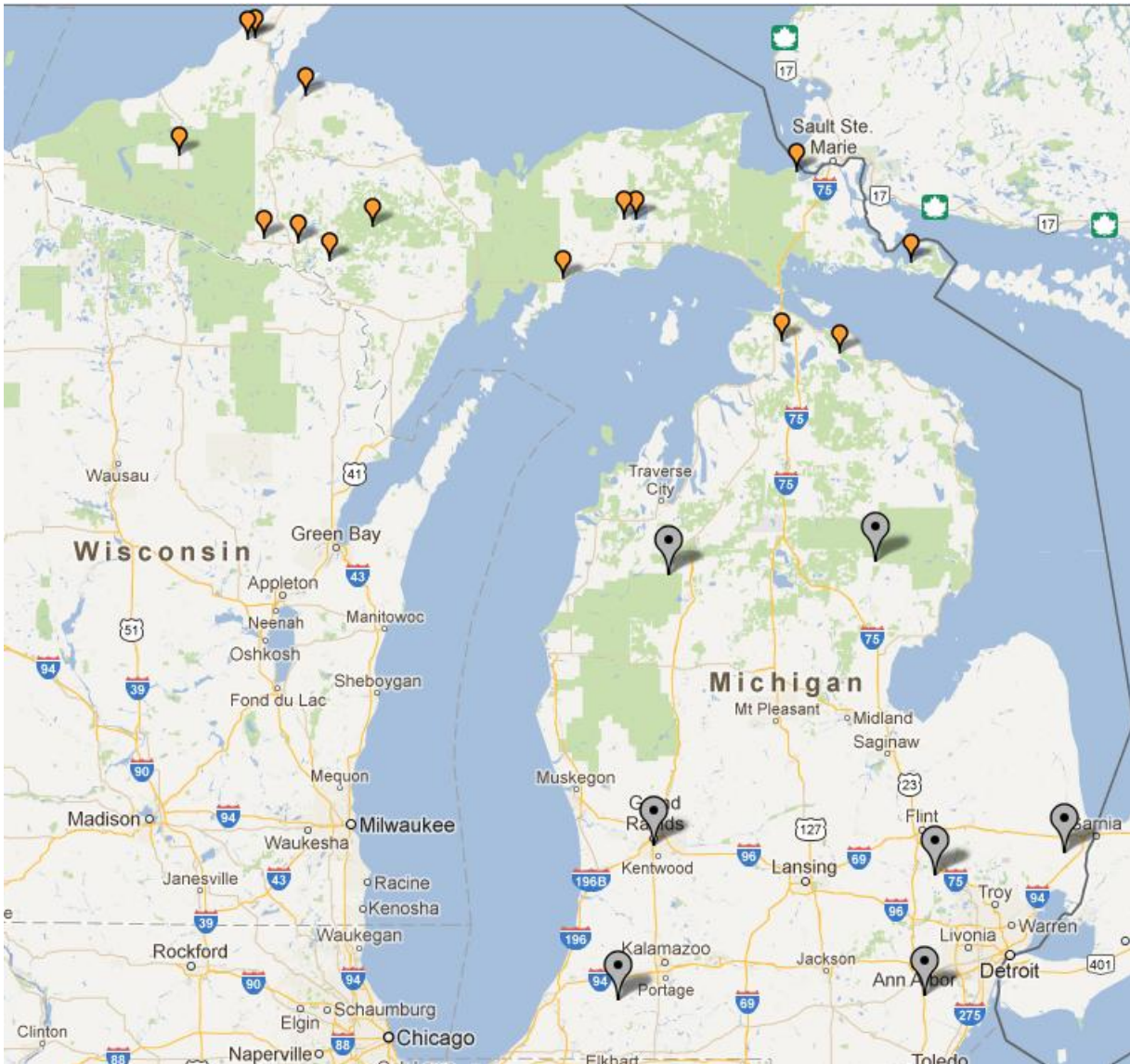
## 2011 Michigan Statewide (continued)

### Restraint use among reported injured vehicle occupants, by vehicle type

Vehicle type	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			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	374,994	333,712	89.0	465	260	55.9	3,513	2,673	76.1	11,521	10,106	87.7	38,620	36,176	93.7	297,324	283,811	95.5
Van, motorhome	24,845	22,049	88.7	23	16	69.6	234	188	80.3	656	554	84.5	2,640	2,452	92.9	19,706	18,788	95.3
Pickup truck	56,533	50,097	88.6	83	37	44.6	513	348	67.8	1,560	1,278	81.9	3,737	3,452	92.4	47,010	44,903	95.5
Small truck under 10,000 lbs. GVWR	9,487	8,324	87.7	9	5	55.6	89	71	79.8	241	206	85.5	936	880	94.0	7,552	7,128	94.4
Cycle	3,462	3,107	89.7	109	98	89.9	573	521	90.9	1,185	1,093	92.2	798	733	91.9	719	655	91.1
Moped	361	152	42.1	9	2	22.2	60	22	36.7	147	65	44.2	77	38	49.4	56	25	44.6
Go Cart	26	11	42.3	0	0	0.0	2	0	0.0	9	1	11.1	1	1	100.0	14	9	64.3
Snowmobile	146	115	78.8	6	6	100.0	33	28	84.8	21	14	66.7	35	31	88.6	45	36	80.0
Off-Road Vehicle (ORV) /All-Terrain Vehicle (ATV)	289	149	51.6	8	4	50.0	63	30	47.6	89	45	50.6	60	38	63.3	60	30	50.0
Other	1,969	1,140	57.9	2	0	0.0	22	4	18.2	66	24	36.4	106	63	59.4	1,398	1,045	74.7
Truck/bus over 10,000 lbs.	11,179	9,762	87.3	11	5	45.5	35	13	37.1	127	85	66.9	530	287	54.2	9,912	9,352	94.4
Uncoded & errors	8,001	290	3.6	0	0	0.0	5	2	40.0	13	7	53.8	27	17	63.0	524	217	41.4
<b>TOTAL</b>	<b>491,292</b>	<b>428,908</b>	<b>87.3</b>	<b>725</b>	<b>433</b>	<b>59.7</b>	<b>5,142</b>	<b>3,900</b>	<b>75.8</b>	<b>15,635</b>	<b>13,478</b>	<b>86.2</b>	<b>47,567</b>	<b>44,168</b>	<b>92.9</b>	<b>384,320</b>	<b>365,999</b>	<b>95.2</b>

### Restraint use among reported injured vehicle occupants, by age

Age group	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Used Restraint	%	Total	Used Restraint	%	Total	Used Restraint	%	Total	Used Restraint	%	Total	Used Restraint	%	Total	Used Restraint	%
0 - 15	5,276	4,541	86.1	20	10	50.0	284	185	65.1	1,057	872	82.5	3,224	2,888	89.6	676	583	86.2
16 - 20	61,578	58,392	94.8	91	46	50.5	797	537	67.4	2,703	2,241	82.9	6,426	5,802	90.3	51,365	49,666	96.7
21 - 64	341,874	324,784	95.0	476	279	58.6	3,557	2,755	77.5	10,240	8,899	86.9	33,212	31,056	93.5	293,035	281,225	96.0
65 +	42,025	40,358	96.0	138	98	71.0	490	421	85.9	1,566	1,450	92.6	4,542	4,345	95.7	35,147	33,984	96.7
Other/Unknown	40,539	833	2.1	0	0	0.0	14	2	14.3	69	16	23.2	163	77	47.2	4,097	541	13.2
<b>TOTAL</b>	<b>491,292</b>	<b>428,908</b>	<b>87.3</b>	<b>725</b>	<b>433</b>	<b>59.7</b>	<b>5,142</b>	<b>3,900</b>	<b>75.8</b>	<b>15,635</b>	<b>13,478</b>	<b>86.2</b>	<b>47,567</b>	<b>44,168</b>	<b>92.9</b>	<b>384,320</b>	<b>365,999</b>	<b>95.2</b>



Current Query = 253 Crashes:

**Crashes for the year 2011 in the state of Michigan filtered by Crash: Fatal Crash (may also be injuries) and Crash: Drinking (Drinking involved)**

Note: Gray balloon indicates crash cluster

## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	46	0	3	43	0	3
February	32	0	4	28	0	6
March	46	0	2	44	0	2
April	49	0	2	47	0	2
May	44	0	6	38	0	6
June	49	0	4	45	0	4
July	46	0	3	43	0	3
August	43	0	6	37	0	9
September	50	0	4	46	0	7
October	74	0	1	73	0	2
November	94	0	1	93	0	1
December	73	0	2	71	0	2
<b>TOTAL</b>	<b>646</b>	<b>0</b>	<b>38</b>	<b>608</b>	<b>0</b>	<b>47</b>

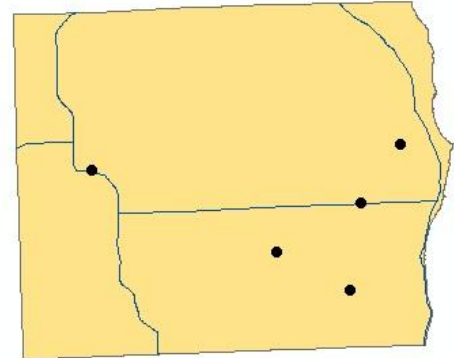
In Alcona County in 2011 there were:

**646** crashes

Involving:

**781** people

**781** motor vehicle drivers and passengers



Crashes by most severe injury (mapped/actual)

▲ Fatal (0/0)  
● Incapacitating (A) (5/5)

## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	1,368	33	2	14.6	606.1
16 - 20	497	431	55	1106.6	1276.1
21 - 64	5,636	5,229	512	908.4	979.2
65 +	3,441	3,417	110	319.7	321.9
Other/Unknown	--	--	6	--	--
<b>TOTAL</b>	<b>10,942</b>	<b>9,110</b>	<b>685</b>	<b>626.0</b>	<b>751.9</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	392	57.2	0	0.0	21	371
Van, motorhome	62	9.1	0	0.0	3	59
Pickup truck	183	26.7	0	0.0	11	172
Small truck under 10,000 lbs. GVWR	31	4.5	0	0.0	4	27
Cycle	5	0.7	0	0.0	5	0
Moped	0	0.0	0	0.0	0	0
Go Cart	1	0.1	0	0.0	1	0
Snowmobile	0	0.0	0	0.0	0	0
Off-Road Vehicle (ORV) / All-Terrain Vehicle (ATV)	2	0.3	0	0.0	2	0
Other	4	0.6	0	0.0	0	4
Truck/bus over 10,000 lbs.	4	0.6	0	0.0	0	4
Unknown	1	0.1	0	0.0	0	1
<b>TOTAL</b>	<b>685</b>	<b>100.0</b>	<b>0</b>	<b>0.0</b>	<b>47</b>	<b>638</b>

## Alcona County Experience

Alcona County did not experience a fatal crash.

Alcona County driver statistics indicate 4.7 percent of licensed drivers were age 16-20, and 8.0 percent of drivers in that age group were involved in crashes.

In Alcona County, pickup trucks accounted for 26.7 percent of the total vehicles in crashes, and were involved in 23.4 percent of the total injury crashes.



## Crash Type

	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	605	93.7	0	0.0	4	14	11	576
Head On	3	0.5	0	0.0	0	0	0	3
Head On - Left Turn	4	0.6	0	0.0	0	2	0	2
Angle	8	1.2	0	0.0	1	1	1	5
Rear End	7	1.1	0	0.0	0	0	2	5
Rear End - Left Turn	1	0.2	0	0.0	0	0	0	1
Rear End - Right Turn	1	0.2	0	0.0	0	0	0	1
Sideswipe - Same Direction	4	0.6	0	0.0	0	1	0	3
Sideswipe - Opposite Direct	7	1.1	0	0.0	0	1	0	6
Other/Unknown	6	0.9	0	0.0	0	0	0	6
<b>Total</b>	<b>646</b>	<b>100.0</b>	<b>0</b>	<b>0.0</b>	<b>5</b>	<b>19</b>	<b>14</b>	<b>608</b>

## Relationship to Roadway

Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	550	85.1	0	0.0	4	7	6	533
Median	0	0.0	0	0.0	0	0	0	0
Shoulder	24	3.7	0	0.0	0	3	2	19
Outside of Shoulder/Curb	65	10.1	0	0.0	1	8	6	50
Gore	6	0.9	0	0.0	0	1	0	5
Other/Unknown	1	0.2	0	0.0	0	0	0	1
<b>Total</b>	<b>646</b>	<b>100.0</b>	<b>0</b>	<b>0.0</b>	<b>5</b>	<b>19</b>	<b>14</b>	<b>608</b>

## Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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	0	0	0	0	0	0	0	0	0
21 - 64	8	9	6	7	0	2	4	0	1
65 +	0	0	0	0	0	0	0	0	0
Other/Unknown	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>8</b>	<b>9</b>	<b>6</b>	<b>7</b>	<b>0</b>	<b>2</b>	<b>4</b>	<b>0</b>	<b>1</b>

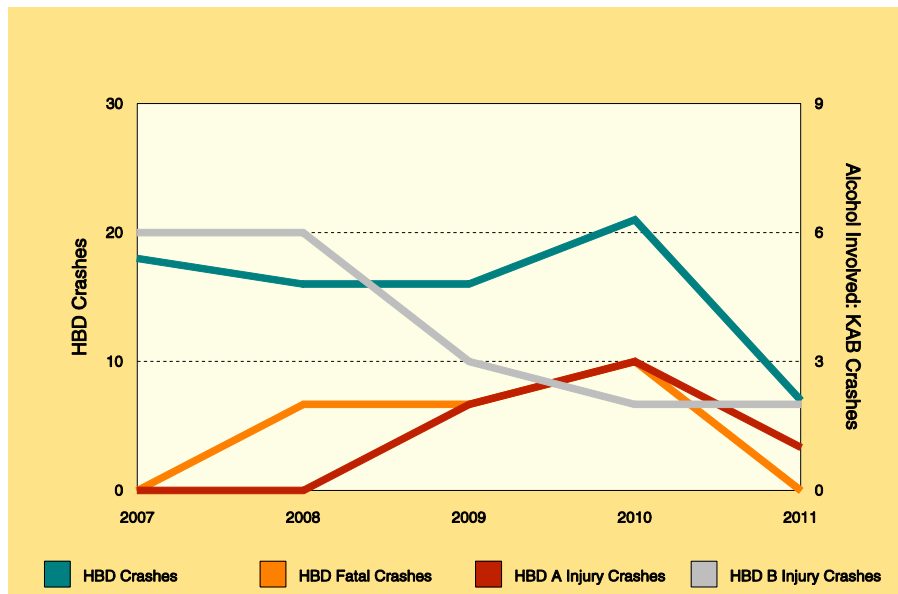
**Notes:**

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.

## Crashes Involving Alcohol



Note: Had-Been-Drinking (HBD)

Alcona	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	640	18	2.8	1	0	0.0	8	0	0.0	19	6	31.6
2008	700	16	2.3	2	2	100.0	5	0	0.0	17	6	35.3
2009	596	16	2.7	3	2	66.7	8	2	25.0	16	3	18.8
2010	530	21	4.0	6	3	50.0	15	3	20.0	16	2	12.5
2011	646	7*	1.1	0*	0	0.0	5	1	20.0	19	2	10.5

\* Lowest number reported in the 5-year period.

## Restraint use among reported vehicle occupants by vehicle type

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	394	382	97.0	0	0	0.0	3	1	33.3	7	6	85.7	11	10	90.9	371	365	98.4
Van, motorhome	64	62	96.9	0	0	0.0	0	0	0.0	1	1	100.0	2	2	100.0	60	59	98.3
Pickup truck	186	179	96.2	0	0	0.0	0	0	0.0	3	2	66.7	8	8	100.0	173	169	97.7
Small truck under 10,000 lbs. GVWR	32	30	93.8	0	0	0.0	0	0	0.0	2	2	100.0	1	1	100.0	28	27	96.4
Cycle	5	5	100.0	0	0	0.0	2	2	100.0	3	3	100.0	0	0	0.0	0	0	0.0
Moped	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	1	0	0.0	0	0	0.0	0	0	0.0	1	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	3	1	33.3	0	0	0.0	0	0	0.0
Other	4	3	75.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	4	3	75.0
Truck/bus over 10,000 lbs.	4	3	75.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	4	3	75.0
Uncoded & errors	1	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>TOTAL</b>	<b>694</b>	<b>665</b>	<b>95.8</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>5</b>	<b>3</b>	<b>60.0</b>	<b>20</b>	<b>15</b>	<b>75.0</b>	<b>22</b>	<b>21</b>	<b>95.5</b>	<b>640</b>	<b>626</b>	<b>97.8</b>

## Restraint use among reported vehicle occupants by age

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	2	1	50.0	0	0	0.0	0	0	0.0	1	0	0.0	0	0	0.0	1	1	100.0
16 - 20	56	53	94.6	0	0	0.0	0	0	0.0	2	1	50.0	4	4	100.0	49	48	98.0
21 - 64	519	503	96.9	0	0	0.0	5	3	60.0	16	13	81.3	14	13	92.9	483	474	98.1
65 +	111	108	97.3	0	0	0.0	0	0	0.0	1	1	100.0	4	4	100.0	106	103	97.2
Other/Unknown	6	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0
<b>TOTAL</b>	<b>694</b>	<b>665</b>	<b>95.8</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>5</b>	<b>3</b>	<b>60.0</b>	<b>20</b>	<b>15</b>	<b>75.0</b>	<b>22</b>	<b>21</b>	<b>95.5</b>	<b>640</b>	<b>626</b>	<b>97.8</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Alcona Twp.	1	1	1	1	0	0	1	0	0
Caledonia Twp.	0	0	0	0	0	0	0	0	0
Curtis Twp.	0	1	0	0	0	0	0	0	0
Greenbush Twp.	0	0	0	0	0	0	0	0	0
Gustin Twp.	0	0	0	0	0	0	0	0	0
Harrisville	0	0	0	0	0	0	0	0	0
Harrisville Twp.	1	2	1	1	0	0	1	0	0
Hawes Twp.	0	0	0	0	0	0	0	0	0
Haynes Twp.	1	2	1	1	0	1	0	0	0
Lincoln	2	1	1	1	0	1	0	0	0
Mikado Twp.	1	1	1	1	0	0	1	0	0
Millen Twp.	0	0	0	0	0	0	0	0	0
Mitchell Twp.	2	1	1	2	0	0	1	0	1
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Alcona County TOTAL</b>	<b>8</b>	<b>9</b>	<b>6</b>	<b>7</b>	<b>0</b>	<b>2</b>	<b>4</b>	<b>0</b>	<b>1</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Alcona Twp.	49	0	0	4	1	0	0	0	2	0	0	0
Caledonia Twp.	54	0	0	0	0	0	0	0	3	0	0	0
Curtis Twp.	48	0	0	10	0	0	0	0	9	0	0	5
Greenbush Twp.	38	0	0	3	0	0	0	0	8	0	0	1
Gustin Twp.	47	0	0	3	0	0	0	0	1	0	0	0
Harrisville	13	0	0	1	0	0	0	0	0	0	0	0
Harrisville Twp.	89	0	0	6	1	0	0	1	5	0	0	2
Hawes Twp.	44	0	0	0	0	0	0	0	3	0	0	0
Haynes Twp.	87	0	0	8	1	0	0	2	6	0	0	3
Lincoln	15	0	0	2	1	0	0	2	1	0	0	0
Mikado Twp.	69	0	0	3	1	0	0	0	8	0	0	1
Millen Twp.	50	0	0	4	0	0	0	0	0	0	0	0
Mitchell Twp.	43	0	0	3	2	0	0	2	5	0	0	1
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Alcona County TOTAL</b>	<b>646</b>	<b>0</b>	<b>0</b>	<b>47</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>51</b>	<b>0</b>	<b>0</b>	<b>13</b>

**Restraint use among reported vehicle occupants by municipality**

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Alcona Twp.	54	52	96.3	0	0	0.0	0	0	50.0	2	2	100.0	2	2	100.0	50	48	96.0
Caledonia Twp.	58	54	93.1	0	0	0.0	0	0	0.0	0	0	100.0	0	0	0.0	58	54	93.1
Curtis Twp.	54	53	98.1	0	0	100.0	0	0	0.0	5	5	100.0	5	5	100.0	44	43	97.7
Greenbush Twp.	40	34	85.0	0	0	0.0	0	0	100.0	3	2	66.7	0	0	100.0	35	32	91.4
Gustin Twp.	49	47	95.9	0	0	0.0	0	0	80.0	0	0	0.0	3	3	100.0	46	44	95.7
Harrisville	18	16	88.9	0	0	0.0	0	0	0.0	1	1	100.0	0	0	0.0	15	15	100.0
Harrisville Twp.	96	92	95.8	0	0	0.0	1	1	100.0	2	1	50.0	3	2	66.7	88	88	100.0
Hawes Twp.	44	44	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	44	44	100.0
Haynes Twp.	93	92	98.9	0	0	0.0	1	1	100.0	1	1	100.0	6	6	100.0	85	84	98.8
Lincoln	22	22	100.0	0	0	0.0	0	0	0.0	1	1	100.0	1	1	100.0	20	20	100.0
Mikado Twp.	72	71	98.6	0	0	100.0	1	1	100.0	2	1	50.0	0	0	100.0	69	69	100.0
Millen Twp.	51	48	94.1	0	0	0.0	1	0	0.0	2	0	0.0	1	1	100.0	47	47	100.0
Mitchell Twp.	43	40	93.0	0	0	100.0	1	0	0.0	1	1	100.0	1	1	100.0	39	38	97.4
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Alcona County TOTAL</b>	<b>694</b>	<b>665</b>	<b>95.8</b>	<b>0</b>	<b>0</b>	<b>57.1</b>	<b>5</b>	<b>3</b>	<b>60.0</b>	<b>20</b>	<b>15</b>	<b>75.0</b>	<b>22</b>	<b>21</b>	<b>95.5</b>	<b>640</b>	<b>626</b>	<b>97.8</b>

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## Crash and Injuries by Month

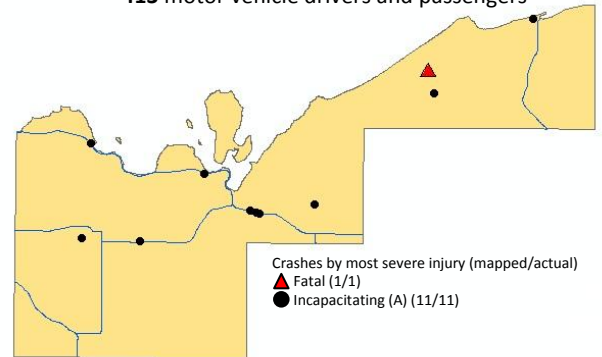
Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	42	1	11	30	1	24
February	16	0	1	15	0	1
March	13	0	2	11	0	4
April	13	0	3	10	0	3
May	22	0	1	21	0	1
June	31	0	1	30	0	1
July	23	0	5	18	0	7
August	25	0	6	19	0	8
September	18	0	3	15	0	3
October	29	0	2	27	0	2
November	20	0	2	18	0	3
December	33	0	5	28	0	5
<b>TOTAL</b>	<b>285</b>	<b>1</b>	<b>42</b>	<b>242</b>	<b>1</b>	<b>62</b>

In Alger County in 2011 there were:  
285 crashes

Involving:

413 people

413 motor vehicle drivers and passengers



## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	1,437	47	3	20.9	638.3
16 - 20	445	370	29	651.7	783.8
21 - 64	5,744	4,767	266	463.1	558.0
65 +	1,975	1,721	44	222.8	255.7
Other/Unknown	--	--	14	--	--
<b>TOTAL</b>	<b>9,601</b>	<b>6,905</b>	<b>356</b>	<b>370.8</b>	<b>515.6</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Alger County Experience

Alger County experienced the highest number of fatal crashes (1) and the highest number of persons killed (1) in January.

Alger County driver statistics indicate 5.4 percent of licensed drivers were age 16-20, and 8.1 percent of drivers in that age group were involved in crashes.

In Alger County, snowmobiles accounted for only 1.1 percent of the total vehicles in crashes, but it was the only vehicle type involved in a fatal crash.



## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	223	62.6	0	0.0	35	188
Van, motorhome	21	5.9	0	0.0	4	17
Pickup truck	76	21.3	0	0.0	11	65
Small truck under 10,000 lbs. GVWR	16	4.5	0	0.0	0	16
Cycle	2	0.6	0	0.0	2	0
Moped	2	0.6	0	0.0	2	0
Go Cart	0	0.0	0	0.0	0	0
Snowmobile	4	1.1	1	100.0	2	1
Off-Road Vehicle (ORV) / All-Terrain Vehicle (ATV)	5	1.4	0	0.0	3	2
Other	2	0.6	0	0.0	0	2
Truck/bus over 10,000 lbs.	2	0.6	0	0.0	0	2
Unknown	3	0.8	0	0.0	0	3
<b>TOTAL</b>	<b>356</b>	<b>100.0</b>	<b>1</b>	<b>100.0</b>	<b>59</b>	<b>296</b>

## Crash Type

	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	203	71.2	1	100.0	7	9	11	175
Head On	3	1.1	0	0.0	2	0	0	1
Head On - Left Turn	1	0.4	0	0.0	0	0	1	0
Angle	28	9.8	0	0.0	1	1	0	26
Rear End	17	6.0	0	0.0	1	1	3	12
Rear End - Left Turn	2	0.7	0	0.0	0	0	0	2
Rear End - Right Turn	0	0.0	0	0.0	0	0	0	0
Sideswipe - Same Direction	3	1.1	0	0.0	0	1	1	1
Sideswipe - Opposite Direct	6	2.1	0	0.0	0	1	0	5
Other/Unknown	22	7.7	0	0.0	0	0	2	20
<b>Total</b>	<b>285</b>	<b>100.0</b>	<b>1</b>	<b>100.0</b>	<b>11</b>	<b>13</b>	<b>18</b>	<b>242</b>

## Relationship to Roadway

Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	201	70.5	0	0.0	4	5	6	186
Median	0	0.0	0	0.0	0	0	0	0
Shoulder	37	13.0	0	0.0	2	3	5	27
Outside of Shoulder/Curb	38	13.3	1	100.0	5	5	5	22
Gore	2	0.7	0	0.0	0	0	0	2
Other/Unknown	7	2.5	0	0.0	0	0	2	5
<b>Total</b>	<b>285</b>	<b>100.0</b>	<b>1</b>	<b>100.0</b>	<b>11</b>	<b>13</b>	<b>18</b>	<b>242</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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	1	0	0	1	0	0	0	0	1
21 - 64	14	12	9	12	0	1	3	3	5
65 +	1	0	0	1	0	0	0	0	1
Other/Unknown	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>16</b>	<b>12</b>	<b>9</b>	<b>14</b>	<b>0</b>	<b>1</b>	<b>3</b>	<b>3</b>	<b>7</b>

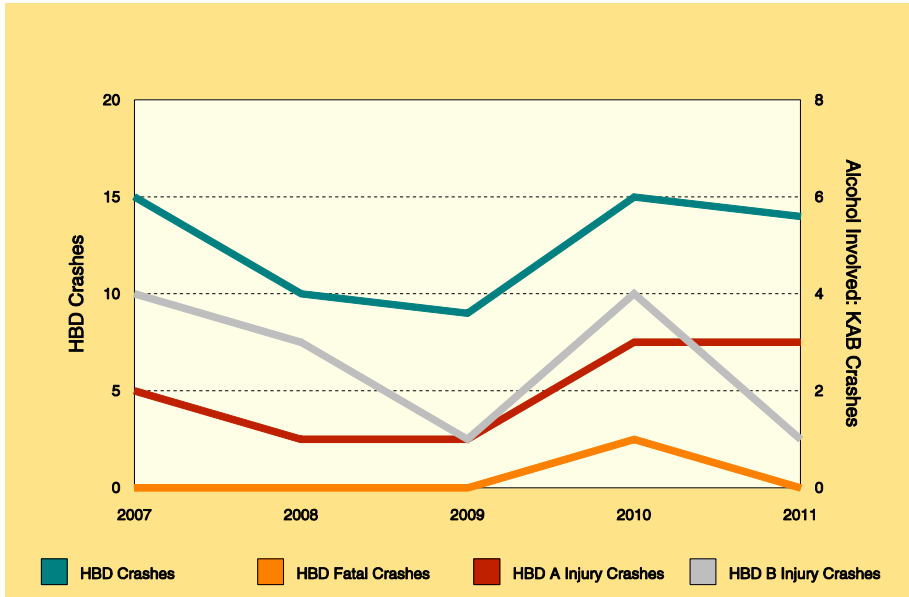
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

Alger	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	378	15	4.0	2	0	0.0	14	2	14.3	15	4	26.7
2008	324	10	3.1	0	0	0.0	14	1	7.1	11	3	27.3
2009	316	9	2.9	2	0	0.0	18	1	5.6	14	1	7.1
2010	271	15	5.5	3	1	33.3	12	3	25.0	19	4	21.1
2011	285	14	4.9	1	0	0.0	11*	3	27.3	13	1	7.7

\* Lowest number reported in the 5-year period.

**Restraint use among reported vehicle occupants by vehicle type**

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	235	222	94.5	0	0	0.0	10	10	100.0	7	7	100.0	21	20	95.2	191	185	96.9
Van, motorhome	24	22	91.7	0	0	0.0	0	0	0.0	1	1	100.0	4	2	50.0	19	19	100.0
Pickup truck	78	73	93.6	0	0	0.0	2	2	100.0	4	3	75.0	2	2	100.0	68	66	97.1
Small truck under 10,000 lbs. GVWR	16	13	81.3	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	14	13	92.9
Cycle	2	2	100.0	0	0	0.0	0	0	0.0	2	2	100.0	0	0	0.0	0	0	0.0
Moped	3	2	66.7	0	0	0.0	0	0	0.0	1	0	0.0	2	2	100.0	0	0	0.0
Go 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	4	4	100.0	1	1	100.0	1	1	100.0	1	1	100.0	0	0	0.0	1	1	100.0
Off-Road Vehicle (ORV) /All-Terrain Vehicle (ATV)	6	5	83.3	0	0	0.0	1	1	100.0	0	0	0.0	3	3	100.0	2	1	50.0
Other	2	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0
Truck/bus over 10,000 lbs.	2	2	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0
Uncoded & errors	3	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>TOTAL</b>	<b>375</b>	<b>345</b>	<b>92.0</b>	<b>1</b>	<b>1</b>	<b>100.0</b>	<b>14</b>	<b>14</b>	<b>100.0</b>	<b>16</b>	<b>14</b>	<b>87.5</b>	<b>32</b>	<b>29</b>	<b>90.6</b>	<b>298</b>	<b>287</b>	<b>96.3</b>

**Restraint use among reported vehicle occupants by age**

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	4	3	75.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	3	2	66.7
16 - 20	32	30	93.8	0	0	0.0	2	2	100.0	1	1	100.0	7	7	100.0	22	20	90.9
21 - 64	279	266	95.3	1	1	100.0	12	12	100.0	13	11	84.6	22	19	86.4	229	223	97.4
65 +	46	46	100.0	0	0	0.0	0	0	0.0	2	2	100.0	2	2	100.0	42	42	100.0
Other/Unknown	14	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	2	0	0.0
<b>TOTAL</b>	<b>375</b>	<b>345</b>	<b>92.0</b>	<b>1</b>	<b>1</b>	<b>100.0</b>	<b>14</b>	<b>14</b>	<b>100.0</b>	<b>16</b>	<b>14</b>	<b>87.5</b>	<b>32</b>	<b>29</b>	<b>90.6</b>	<b>298</b>	<b>287</b>	<b>96.3</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Au Train Twp.	1	1	1	1	0	1	0	0	0
Burt Twp.	2	2	1	2	0	0	0	1	1
Chatham	0	0	0	0	0	0	0	0	0
Grand Island Twp.	0	0	0	0	0	0	0	0	0
Limestone Twp.	1	0	0	1	0	0	0	0	1
Mathias Twp.	1	0	0	1	0	0	0	0	1
Munising	1	1	1	1	0	0	1	0	0
Munising Twp.	4	2	2	3	0	0	1	1	1
Onota Twp.	4	4	2	3	0	0	1	0	2
Rock River Twp.	2	2	2	2	0	0	0	1	1
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Alger County TOTAL</b>	<b>16</b>	<b>12</b>	<b>9</b>	<b>14</b>	<b>0</b>	<b>1</b>	<b>3</b>	<b>3</b>	<b>7</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Au Train Twp.	32	0	0	12	1	0	0	1	10	0	0	5
Burt Twp.	24	1	1	8	2	0	0	1	6	1	1	3
Chatham	5	0	0	0	0	0	0	0	0	0	0	0
Grand Island Twp.	5	0	0	1	0	0	0	0	3	0	0	0
Limestone Twp.	26	0	0	4	1	0	0	0	7	0	0	4
Mathias Twp.	24	0	0	8	1	0	0	0	5	0	0	3
Munising	40	0	0	2	1	0	0	0	1	0	0	0
Munising Twp.	82	0	0	21	3	0	0	1	17	0	0	6
Onota Twp.	19	0	0	2	3	0	0	1	5	0	0	0
Rock River Twp.	28	0	0	4	2	0	0	2	2	0	0	2
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Alger County TOTAL</b>	<b>285</b>	<b>1</b>	<b>1</b>	<b>62</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>56</b>	<b>1</b>	<b>1</b>	<b>23</b>

**Restraint use among reported vehicle occupants by municipality**

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Au Train Twp.	44	42	95.5	0	0	0.0	4	4	100.0	1	1	100.0	7	7	100.0	31	30	96.8
Burt Twp.	27	25	92.6	1	1	100.0	2	2	100.0	3	2	66.7	3	3	100.0	18	17	94.4
Chatham	6	5	83.3	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	6	5	83.3
Grand Island Twp.	5	5	100.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	4	4	100.0
Limestone Twp.	29	27	93.1	0	0	0.0	0	0	0.0	2	2	100.0	2	2	100.0	24	23	95.8
Mathias Twp.	31	31	100.0	0	0	0.0	0	0	0.0	1	1	100.0	7	7	100.0	23	23	100.0
Munising	73	59	80.8	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0	61	57	93.4
Munising Twp.	108	104	96.3	0	0	0.0	6	6	100.0	8	7	87.5	7	7	100.0	86	84	97.7
Onota Twp.	23	21	91.3	0	0	0.0	1	1	100.0	1	1	100.0	0	0	0.0	20	19	95.0
Rock River Twp.	29	26	89.7	0	0	0.0	1	1	100.0	0	0	0.0	3	0	0.0	25	25	100.0
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Alger County TOTAL</b>	<b>375</b>	<b>345</b>	<b>92.0</b>	<b>1</b>	<b>1</b>	<b>100.0</b>	<b>14</b>	<b>14</b>	<b>100.0</b>	<b>16</b>	<b>14</b>	<b>87.5</b>	<b>32</b>	<b>29</b>	<b>90.6</b>	<b>298</b>	<b>287</b>	<b>96.3</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	452	0	51	401	0	60
February	322	0	38	284	0	48
March	184	1	27	156	1	36
April	173	2	38	133	2	49
May	253	1	32	220	1	48
June	266	3	53	210	3	75
July	214	0	57	157	0	80
August	186	0	42	144	0	64
September	235	4	39	192	5	52
October	294	1	50	243	1	75
November	374	1	44	329	1	56
December	344	1	51	292	1	65
<b>TOTAL</b>	<b>3,297</b>	<b>14</b>	<b>522</b>	<b>2,761</b>	<b>15</b>	<b>708</b>

In Allegan County in 2010 there were:  
3,297 crashes

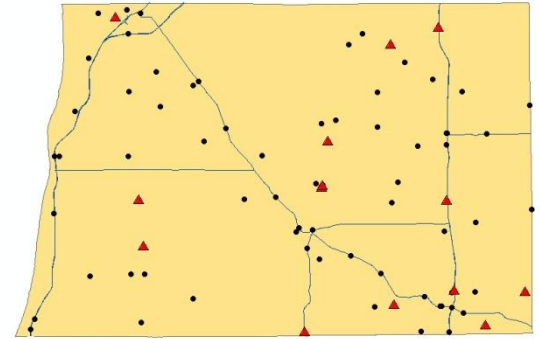
Involving:

5,482 people

5,455 motor vehicle drivers and passengers

16 bicyclists

11 pedestrians



Crashes by most severe injury (mapped/actual)  
 ▲ Fatal (14/14)  
 ● Incapacitating (A) (66/66)

## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	25,743	805	16	6.2	198.8
16 - 20	7,449	6,511	631	847.1	969.1
21 - 64	63,778	62,591	3,404	533.7	543.8
65 +	14,438	13,583	394	272.9	290.1
Other/Unknown	--	--	155	--	--
<b>TOTAL</b>	<b>111,408</b>	<b>83,490</b>	<b>4,600</b>	<b>412.9</b>	<b>551.0</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	3,224	70.1	11	61.1	584	2,629
Van, motorhome	258	5.6	0	0.0	43	215
Pickup truck	686	14.9	3	16.7	104	579
Small truck under 10,000 lbs. GVWR	137	3.0	0	0.0	17	120
Cycle	45	1.0	3	16.7	31	11
Moped	11	0.2	0	0.0	9	2
Go Cart	0	0.0	0	0.0	0	0
Snowmobile	3	0.1	0	0.0	2	1
Off-Road Vehicle (ORV) / All-Terrain Vehicle (ATV)	4	0.1	0	0.0	4	0
Other	15	0.3	0	0.0	3	12
Truck/bus over 10,000 lbs.	169	3.7	1	5.6	21	147
Unknown	48	1.0	0	0.0	3	45
<b>TOTAL</b>	<b>4,600</b>	<b>100.0</b>	<b>18</b>	<b>100.0</b>	<b>821</b>	<b>3,761</b>

## Allegan County Experience

Allegan County experienced the highest number of fatal crashes (4) and the highest number of persons killed (5) in September.

Allegan County driver statistics indicate 7.8 percent of licensed drivers were age 16-20, and 13.7 percent of drivers in that age group were involved in crashes.

In Allegan County, motorcycles accounted for only 1.0 percent of the total vehicles in crashes, but were involved in 16.7 percent of the total fatal crashes.



## Crash Type

	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	2,063	62.6	10	71.4	40	85	134	1,794
Head On	43	1.3	3	21.4	2	11	4	23
Head On - Left Turn	46	1.4	0	0.0	1	6	14	25
Angle	326	9.9	0	0.0	14	24	50	238
Rear End	401	12.2	0	0.0	4	17	65	315
Rear End - Left Turn	33	1.0	0	0.0	1	2	4	26
Rear End - Right Turn	33	1.0	0	0.0	0	0	4	29
Sideswipe - Same Direction	180	5.5	0	0.0	2	7	9	162
Sideswipe - Opposite Direct	44	1.3	0	0.0	1	1	4	38
Other/Unknown	128	3.9	1	7.1	1	5	10	111
<b>Total</b>	<b>3,297</b>	<b>100.0</b>	<b>14</b>	<b>100.0</b>	<b>66</b>	<b>158</b>	<b>298</b>	<b>2,761</b>

## Relationship to Roadway

Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	2,323	70.5	7	50.0	36	97	195	1,988
Median	82	2.5	0	0.0	0	2	10	70
Shoulder	233	7.1	0	0.0	11	17	18	187
Outside of Shoulder/Curb	569	17.3	7	50.0	16	40	68	438
Gore	20	0.6	0	0.0	1	1	0	18
Other/Unknown	70	2.1	0	0.0	2	1	7	60
<b>Total</b>	<b>3,297</b>	<b>100.0</b>	<b>14</b>	<b>100.0</b>	<b>66</b>	<b>158</b>	<b>298</b>	<b>2,761</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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	25	28	17	19	0	4	3	1	11
21 - 64	142	141	105	117	1	7	10	17	82
65 +	7	9	5	5	0	0	1	3	1
Other/Unknown	4	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>178</b>	<b>178</b>	<b>127</b>	<b>141</b>	<b>1</b>	<b>11</b>	<b>14</b>	<b>21</b>	<b>94</b>

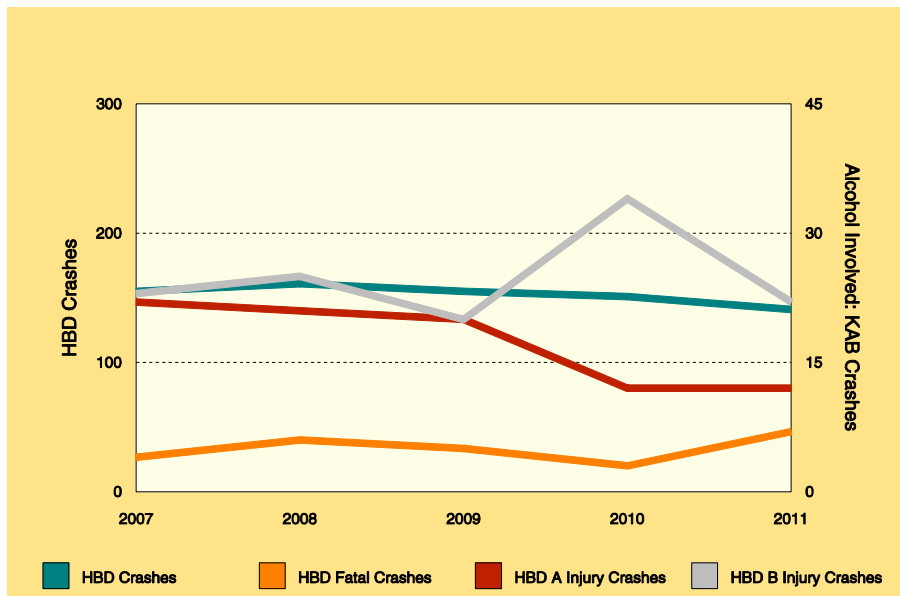
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

ALLEGAN	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	3,655	155	4.2	16	4	25.0	82	22	26.8	198	23	11.6
2008	3,694	161	4.4	17	6	35.3	95	21	22.1	219	25	11.4
2009	3,407	155	4.6	7	5	71.4	86	20	23.3	157	20	12.7
2010	3,131	151	4.8	11	3	27.3	77	12	15.6	176	34	19.3
2011	3,297	141*	4.3	14	7	50.0	66*	12	18.2	158	22	13.9

\* Lowest number reported in the 5-year period.

**Restraint use among reported vehicle occupants by vehicle type**

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	% restrained	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	3,368	3,172	94.2	9	5	55.6	39	30	76.9	131	119	90.8	339	308	90.9	2,771	2,703	97.5
Van, motorhome	271	259	95.6	0	0	0.0	2	2	100.0	10	9	90.0	27	27	100.0	227	221	97.4
Pickup truck	704	656	93.2	2	2	100.0	6	5	83.3	29	27	93.1	29	27	93.1	612	591	96.6
Small truck under 10,000 lbs. GVWR	138	134	97.1	0	0	0.0	1	1	100.0	3	3	100.0	6	6	100.0	126	124	98.4
Cycle	49	43	87.8	3	3	100.0	14	13	92.9	15	13	86.7	6	6	100.0	11	8	72.7
Moped	12	3	25.0	0	0	0.0	3	0	0.0	5	2	40.0	1	1	100.0	3	0	0.0
Go 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	3	2	66.7	0	0	0.0	1	1	100.0	0	0	0.0	0	0	0.0	2	1	50.0
Off-Road Vehicle (ORV) /All-Terrain Vehicle (ATV)	5	1	20.0	0	0	0.0	3	0	0.0	2	1	50.0	0	0	0.0	0	0	0.0
Other	16	13	81.3	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0	13	11	84.6
Truck/bus over 10,000 lbs.	172	164	95.3	0	0	0.0	2	2	100.0	0	0	0.0	8	5	62.5	159	156	98.1
Uncoded & errors	48	1	2.1	0	0	0.0	1	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0
<b>TOTAL</b>	<b>4,786</b>	<b>4,448</b>	<b>92.9</b>	<b>14</b>	<b>10</b>	<b>71.4</b>	<b>72</b>	<b>54</b>	<b>75.0</b>	<b>195</b>	<b>174</b>	<b>89.2</b>	<b>418</b>	<b>382</b>	<b>91.4</b>	<b>3,925</b>	<b>3,816</b>	<b>97.2</b>

**Restraint use among reported vehicle occupants by age**

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	63	54	85.7	1	1	100.0	3	0	0.0	16	16	100.0	29	26	89.7	14	11	78.6
16 - 20	668	634	94.9	1	0	0.0	5	3	60.0	43	37	86.0	57	48	84.2	561	545	97.1
21 - 64	3,495	3,362	96.2	9	6	66.7	58	45	77.6	123	108	87.8	302	282	93.4	2,992	2,912	97.3
65 +	403	397	98.5	3	3	100.0	6	6	100.0	13	13	100.0	28	26	92.9	351	347	98.9
Other/Unknown	157	1	0.6	0	0	0.0	0	0	0.0	0	0	0.0	2	0	0.0	7	1	14.3
<b>TOTAL</b>	<b>4,786</b>	<b>4,448</b>	<b>92.9</b>	<b>14</b>	<b>10</b>	<b>71.4</b>	<b>72</b>	<b>54</b>	<b>75.0</b>	<b>195</b>	<b>174</b>	<b>89.2</b>	<b>418</b>	<b>382</b>	<b>91.4</b>	<b>3,925</b>	<b>3,816</b>	<b>97.2</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Allegan	3	4	2	2	0	0	0	0	2
Allegan Twp.	2	1	1	2	0	0	0	0	2
Casco Twp.	2	3	1	2	0	0	0	0	2
Cheshire Twp.	1	1	1	1	0	0	0	0	1
Clyde Twp.	5	5	4	4	0	1	0	1	2
Dorr Twp.	16	11	9	13	0	0	0	3	10
Douglas	3	4	2	2	0	0	0	0	2
Fennville	0	1	0	0	0	0	0	0	0
Fillmore Twp.	4	3	2	3	0	1	0	0	2
Ganges Twp.	1	1	1	1	0	1	0	0	0
Gunplain Twp.	9	13	7	7	0	0	2	1	4
Heath Twp.	6	6	5	5	0	1	0	1	3
Holland	13	9	7	9	0	2	1	3	3
Hopkins	1	1	1	1	0	0	0	0	1
Hopkins Twp.	3	4	3	3	0	2	0	0	1
Laketown Twp.	6	8	6	6	0	0	1	2	3
Lee Twp.	7	8	5	7	0	0	1	0	6
Leighton Twp.	8	10	6	6	0	0	2	1	3
Manlius Twp.	6	7	5	5	0	0	0	1	4
Martin	0	0	0	0	0	0	0	0	0
Martin Twp.	0	1	0	0	0	0	0	0	0
Monterey Twp.	4	4	3	3	1	0	1	0	1
Otsego	2	2	1	1	0	0	0	0	1
Otsego Twp.	14	10	8	9	0	0	1	2	6
Overisel Twp.	3	3	2	2	0	0	0	0	2
Plainwell	7	9	6	6	0	1	1	0	4
Salem Twp.	1	0	0	1	0	0	0	0	1
Saugatuck	7	5	4	4	0	0	0	0	4
Saugatuck Twp.	8	10	8	8	0	0	1	2	5
South Haven	0	0	0	0	0	0	0	0	0
Trowbridge Twp.	5	4	4	5	0	0	2	0	3
Valley Twp.	2	2	2	2	0	0	0	0	2
Watson Twp.	8	6	4	4	0	0	0	2	2
Wayland	5	4	3	3	0	0	0	1	2
Wayland Twp.	16	18	14	14	0	2	1	1	10
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Allegan County TOTAL</b>	<b>178</b>	<b>178</b>	<b>127</b>	<b>141</b>	<b>1</b>	<b>11</b>	<b>14</b>	<b>21</b>	<b>94</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Allegan	123	0	0	27	2	0	0	3	4	0	0	1
Allegan Twp.	178	2	2	33	2	0	0	1	22	0	0	6
Casco Twp.	95	0	0	20	2	0	0	2	25	0	0	4
Cheshire Twp.	54	0	0	1	1	0	0	1	5	0	0	0
Clyde Twp.	58	2	2	15	4	2	2	3	8	1	1	2
Dorr Twp.	151	2	2	39	13	2	2	3	46	0	0	10
Douglas	27	0	0	6	2	0	0	2	1	0	0	0
Fennville	17	0	0	2	0	0	0	0	0	0	0	0
Fillmore Twp.	88	1	2	21	3	0	0	1	26	1	2	2
Ganges Twp.	93	0	0	22	1	0	0	0	23	0	0	2
Gunplain Twp.	185	3	3	30	7	0	0	1	31	0	0	1
Heath Twp.	69	0	0	15	5	0	0	5	8	0	0	3
Holland	293	0	0	68	9	0	0	1	27	0	0	2
Hopkins	9	0	0	0	1	0	0	0	1	0	0	0
Hopkins Twp.	65	0	0	13	3	0	0	1	14	0	0	5
Laketown Twp.	105	0	0	25	6	0	0	4	33	0	0	4
Lee Twp.	47	0	0	27	7	0	0	6	10	0	0	8
Leighton Twp.	111	0	0	17	6	0	0	2	31	0	0	7
Manlius Twp.	72	0	0	16	5	0	0	3	18	0	0	6
Martin	6	0	0	0	0	0	0	0	0	0	0	0
Martin Twp.	79	0	0	11	0	0	0	0	18	0	0	4
Monterey Twp.	62	1	1	18	3	1	1	2	11	0	0	2
Otsego	60	0	0	20	1	0	0	1	2	0	0	1
Otsego Twp.	227	1	1	56	9	1	1	2	24	1	1	2
Overisel Twp.	81	0	0	21	2	0	0	1	12	0	0	4
Plainwell	128	0	0	36	6	0	0	6	11	0	0	2
Salem Twp.	93	0	0	16	1	0	0	1	13	0	0	4
Saugatuck	38	0	0	6	4	0	0	1	0	0	0	0
Saugatuck Twp.	109	0	0	33	8	0	0	8	32	0	0	12
South Haven	0	0	0	0	0	0	0	0	0	0	0	0
Trowbridge Twp.	114	1	1	18	5	1	1	1	12	0	0	5
Valley Twp.	65	0	0	10	2	0	0	0	16	0	0	3
Watson Twp.	111	1	1	15	4	0	0	1	20	0	0	2
Wayland	70	0	0	10	3	0	0	0	6	0	0	0
Wayland Twp.	214	0	0	41	14	0	0	8	59	0	0	15
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Allegan County TOTAL</b>	<b>3,297</b>	<b>14</b>	<b>15</b>	<b>708</b>	<b>141</b>	<b>7</b>	<b>7</b>	<b>71</b>	<b>569</b>	<b>3</b>	<b>4</b>	<b>119</b>

Restraint use among reported vehicle occupants by municipality

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Allegan	240	227	94.6	0	0	0.0	1	0	0.0	10	9	90.0	15	14	93.3	200	196	98.0
Allegan Twp.	219	208	95.0	2	2	100.0	8	5	62.5	9	8	88.9	15	13	86.7	183	180	98.4
Casco Twp.	113	102	90.3	0	0	0.0	3	1	33.3	1	0	0.0	15	14	93.3	92	87	94.6
Cheshire Twp.	64	59	92.2	0	0	0.0	0	0	0.0	1	0	0.0	0	0	0.0	60	59	98.3
Clyde Twp.	75	67	89.3	2	1	50.0	0	0	0.0	7	6	85.7	8	8	100.0	56	52	92.9
Dorr Twp.	209	195	93.3	1	1	100.0	2	1	50.0	12	12	100.0	25	25	100.0	162	156	96.3
Douglas	49	35	71.4	0	0	0.0	0	0	0.0	3	2	66.7	3	2	66.7	33	30	90.9
Fennville	30	24	80.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	25	23	92.0
Fillmore Twp.	127	121	95.3	2	2	100.0	2	2	100.0	6	6	100.0	13	13	100.0	101	98	97.0
Ganges Twp.	123	117	95.1	0	0	0.0	3	2	66.7	5	4	80.0	14	14	100.0	98	97	99.0
Gunplain Twp.	249	233	93.6	3	2	66.7	3	3	100.0	9	9	100.0	16	14	87.5	211	205	97.2
Heath Twp.	93	86	92.5	0	0	0.0	3	2	66.7	6	3	50.0	6	5	83.3	78	76	97.4
Holland	546	515	94.3	0	0	0.0	3	3	100.0	24	23	95.8	36	33	91.7	464	456	98.3
Hopkins	15	12	80.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	12	12	100.0
Hopkins Twp.	84	82	97.6	0	0	0.0	4	4	100.0	6	6	100.0	3	2	66.7	71	70	98.6
Laketown Twp.	138	128	92.8	0	0	0.0	1	1	100.0	5	4	80.0	18	17	94.4	112	106	94.6
Lee Twp.	67	58	86.6	0	0	0.0	4	3	75.0	9	7	77.8	13	13	100.0	39	35	89.7
Leighton Twp.	141	134	95.0	0	0	0.0	0	0	0.0	6	6	100.0	11	10	90.9	121	117	96.7
Manlius Twp.	93	87	93.5	0	0	0.0	4	3	75.0	3	3	100.0	8	8	100.0	75	73	97.3
Martin	12	11	91.7	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	12	11	91.7
Martin Twp.	104	99	95.2	0	0	0.0	1	1	100.0	3	3	100.0	7	5	71.4	92	90	97.8
Monterey Twp.	77	73	94.8	1	1	100.0	2	2	100.0	6	6	100.0	9	7	77.8	58	57	98.3
Otsego	122	117	95.9	0	0	0.0	1	1	100.0	4	4	100.0	14	13	92.9	99	99	100.0
Otsego Twp.	375	357	95.2	1	1	100.0	7	7	100.0	12	10	83.3	37	35	94.6	312	304	97.4
Overisel Twp.	120	115	95.8	0	0	0.0	1	0	0.0	3	3	100.0	17	16	94.1	97	96	99.0
Plainwell	248	231	93.1	0	0	0.0	2	1	50.0	8	8	100.0	23	21	91.3	204	200	98.0
Salem Twp.	112	108	96.4	0	0	0.0	3	2	66.7	6	6	100.0	7	7	100.0	94	93	98.9
Saugatuck	73	45	61.6	0	0	0.0	0	0	0.0	1	1	100.0	5	5	100.0	39	38	97.4
Saugatuck Twp.	147	135	91.8	0	0	0.0	3	2	66.7	10	7	70.0	19	17	89.5	112	109	97.3
South Haven	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Trowbridge Twp.	132	126	95.5	1	0	0.0	2	1	50.0	4	4	100.0	12	10	83.3	111	111	100.0
Valley Twp.	74	67	90.5	0	0	0.0	2	2	100.0	2	2	100.0	6	4	66.7	62	59	95.2
Watson Twp.	136	126	92.6	1	0	0.0	3	2	66.7	3	3	100.0	9	7	77.8	118	114	96.6
Wayland	120	113	94.2	0	0	0.0	0	0	0.0	0	0	0.0	7	6	85.7	108	107	99.1
Wayland Twp.	259	235	90.7	0	0	0.0	4	3	75.0	11	9	81.8	26	23	88.5	214	200	93.5
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Allegan County TOTAL</b>	<b>4,786</b>	<b>4,448</b>	<b>92.9</b>	<b>14</b>	<b>10</b>	<b>71.4</b>	<b>72</b>	<b>54</b>	<b>75.0</b>	<b>195</b>	<b>174</b>	<b>89.2</b>	<b>418</b>	<b>382</b>	<b>91.4</b>	<b>3,925</b>	<b>3,816</b>	<b>97.2</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	89	0	6	83	0	8
February	57	0	11	46	0	14
March	73	0	15	58	0	23
April	43	0	8	35	0	10
May	52	0	7	45	0	9
June	73	0	11	62	0	13
July	60	0	6	54	0	7
August	48	1	10	37	1	12
September	75	1	10	64	1	14
October	96	1	13	82	1	17
November	107	0	9	98	0	9
December	78	0	13	65	0	16
<b>TOTAL</b>	<b>851</b>	<b>3</b>	<b>119</b>	<b>729</b>	<b>3</b>	<b>152</b>

In Alpena County in 2011 there were:  
851 crashes

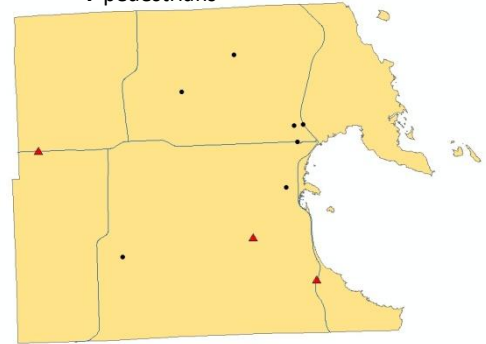
Involving:

1,369 people

1,354 motor vehicle drivers and passengers

8 bicyclists

7 pedestrians



Crashes by most severe injury (mapped/actual)

▲ Fatal (3/3)

● Incapacitating (A) (7/7)

## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	5,355	123	1	1.9	81.3
16 - 20	1,906	1,490	158	829.0	1060.4
21 - 64	16,572	15,701	789	476.1	502.5
65 +	5,765	5,319	158	274.1	297.0
Other/Unknown	--	--	53	--	--
<b>TOTAL</b>	<b>29,598</b>	<b>22,633</b>	<b>1,159</b>	<b>391.6</b>	<b>512.1</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Alpena County Experience

Alpena County experienced the highest number of fatal crashes (1) and the highest number of persons killed (1) in August, September, and October.

Alpena County driver statistics indicate 6.6 percent of licensed drivers were age 16-20, and 13.6 percent of drivers in that age group were involved in crashes.



## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	691	59.6	1	20.0	105	585
Van, motorhome	81	7.0	0	0.0	20	61
Pickup truck	266	23.0	1	20.0	33	232
Small truck under 10,000 lbs. GVWR	75	6.5	0	0.0	15	60
Cycle	6	0.5	1	20.0	3	2
Moped	2	0.2	1	20.0	1	0
Go Cart	0	0.0	0	0.0	0	0
Snowmobile	1	0.1	0	0.0	1	0
Off-Road Vehicle (ORV) / All-Terrain Vehicle (ATV)	2	0.2	1	20.0	1	0
Other	7	0.6	0	0.0	1	6
Truck/bus over 10,000 lbs.	15	1.3	0	0.0	1	14
Unknown	13	1.1	0	0.0	1	12
<b>TOTAL</b>	<b>1,159</b>	<b>100.0</b>	<b>5</b>	<b>100.0</b>	<b>182</b>	<b>972</b>

## Crash Type

	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	549	64.5	1	33.3	5	20	31	492
Head On	7	0.8	0	0.0	0	2	2	3
Head On - Left Turn	14	1.6	0	0.0	1	0	3	10
Angle	94	11.0	2	66.7	1	5	11	75
Rear End	92	10.8	0	0.0	0	2	17	73
Rear End - Left Turn	9	1.1	0	0.0	0	0	5	4
Rear End - Right Turn	4	0.5	0	0.0	0	0	0	4
Sideswipe - Same Direction	31	3.6	0	0.0	0	0	1	30
Sideswipe - Opposite Direct	13	1.5	0	0.0	0	0	3	10
Other/Unknown	38	4.5	0	0.0	0	3	7	28
<b>Total</b>	<b>851</b>	<b>100.0</b>	<b>3</b>	<b>100.0</b>	<b>7</b>	<b>32</b>	<b>80</b>	<b>729</b>

## Relationship to Roadway

Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	715	84.0	2	66.7	3	21	55	634
Median	0	0.0	0	0.0	0	0	0	0
Shoulder	23	2.7	0	0.0	1	0	2	20
Outside of Shoulder/Curb	96	11.3	0	0.0	3	10	19	64
Gore	3	0.4	0	0.0	0	0	0	3
Other/Unknown	14	1.6	1	33.3	0	1	4	8
<b>Total</b>	<b>851</b>	<b>100.0</b>	<b>3</b>	<b>100.0</b>	<b>7</b>	<b>32</b>	<b>80</b>	<b>729</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				Total drivers coded drinking	BAC = 0.00	BAC 0.01 g/dL to 0.07 g/dL	BAC 0.08 g/dL to 0.16 g/dL	BAC 0.17 g/dL and above	BAC not reported
0 - 15	0	0	0	0	0	0	0	0	0
16 - 20	2	2	1	2	0	0	1	0	1
21 - 64	26	23	16	22	0	1	5	5	11
65 +	2	6	2	2	0	0	0	2	0
Other/Unknown	1	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>31</b>	<b>31</b>	<b>19</b>	<b>26</b>	<b>0</b>	<b>1</b>	<b>6</b>	<b>7</b>	<b>12</b>

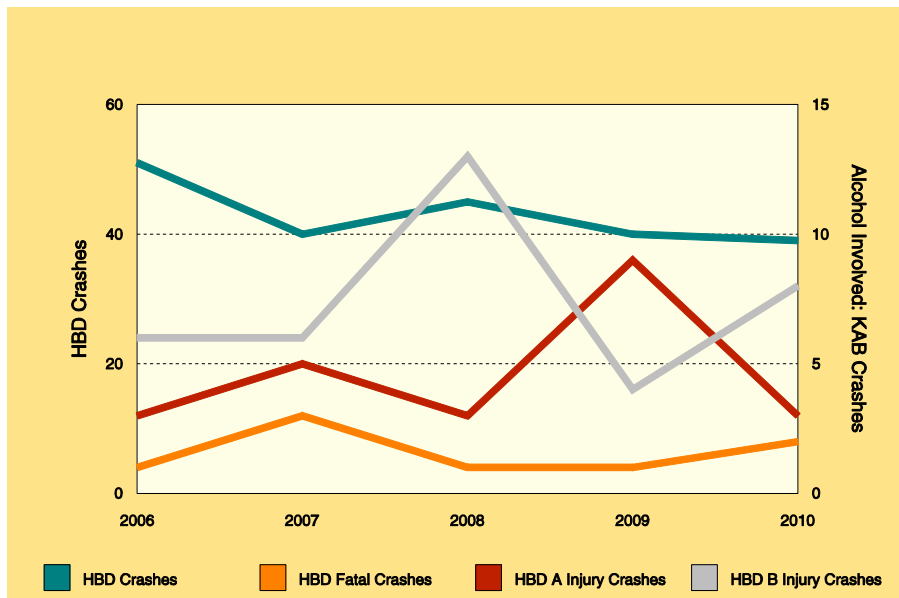
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

ALPENA	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	939	40	4.3	4	3	75.0	15	5	33.3	42	6	14.3
2008	976	45	4.6	3	1	33.3	15	3	20.0	53	13	24.5
2009	899	40	4.5	3	1	33.3	14	9	64.3	28	4	14.3
2010	865	39	4.5	2	2	100.0	8	3	37.5	34	8	23.5
2011	851*	27*	3.2	3	0*	0.0	7*	0*	0.0	32	3*	9.4

\* Lowest number reported in the 5-year period.

**Restraint use among reported vehicle occupants by vehicle type**

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	714	662	92.7	0	0	0.0	5	4	80.0	21	15	71.4	62	56	90.3	604	587	97.2
Van, motorhome	83	78	94.0	0	0	0.0	0	0	0.0	3	3	100.0	9	8	88.9	69	67	97.1
Pickup truck	271	252	93.0	0	0	0.0	4	2	50.0	3	2	66.7	17	17	100.0	239	230	96.2
Small truck under 10,000 lbs. GVWR	76	71	93.4	0	0	0.0	0	0	0.0	1	1	100.0	7	7	100.0	65	63	96.9
Cycle	7	6	85.7	1	1	100.0	0	0	0.0	4	4	100.0	0	0	0.0	1	1	100.0
Moped	2	1	50.0	1	0	0.0	0	0	0.0	1	1	100.0	0	0	0.0	0	0	0.0
Go 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	1	1	100.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	0	0	0.0
Off-Road Vehicle (ORV) /All-Terrain Vehicle (ATV)	2	0	0.0	1	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0	0	0	0.0
Other	7	4	57.1	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	6	4	66.7
Truck/bus over 10,000 lbs.	15	13	86.7	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	15	13	86.7
Uncoded & errors	13	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0
<b>TOTAL</b>	<b>1,191</b>	<b>1,088</b>	<b>91.4</b>	<b>3</b>	<b>1</b>	<b>33.3</b>	<b>9</b>	<b>6</b>	<b>66.7</b>	<b>33</b>	<b>26</b>	<b>78.8</b>	<b>97</b>	<b>89</b>	<b>91.8</b>	<b>1,000</b>	<b>965</b>	<b>96.5</b>

**Restraint use among reported vehicle occupants by age**

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	8	7	87.5	0	0	0.0	1	1	100.0	1	0	0.0	6	6	100.0	0	0	0.0
16 - 20	162	159	98.1	0	0	0.0	2	1	50.0	6	5	83.3	15	14	93.3	139	139	100.0
21 - 64	805	766	95.2	2	1	50.0	5	3	60.0	23	19	82.6	59	53	89.8	715	690	96.5
65 +	163	155	95.1	1	0	0.0	1	1	100.0	3	2	66.7	17	16	94.1	141	136	96.5
Other/Unknown	53	1	1.9	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	5	0	0.0
<b>TOTAL</b>	<b>1,191</b>	<b>1,088</b>	<b>91.4</b>	<b>3</b>	<b>1</b>	<b>33.3</b>	<b>9</b>	<b>6</b>	<b>66.7</b>	<b>33</b>	<b>26</b>	<b>78.8</b>	<b>97</b>	<b>89</b>	<b>91.8</b>	<b>1,000</b>	<b>965</b>	<b>96.5</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Alpena	13	9	7	8	0	0	3	2	3
Alpena Twp.	5	6	4	5	0	1	1	2	1
Green Twp.	0	3	0	0	0	0	0	0	0
Long Rapids Twp.	0	1	0	0	0	0	0	0	0
Maple Ridge Twp.	2	1	1	2	0	0	0	0	2
Ossineke Twp.	1	0	0	1	0	0	0	0	1
Sanborn Twp.	3	5	2	3	0	0	0	1	2
Wellington Twp.	2	1	1	2	0	0	1	0	1
Wilson Twp.	5	5	4	5	0	0	1	2	2
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Alpena County TOTAL</b>	<b>31</b>	<b>31</b>	<b>19</b>	<b>26</b>	<b>0</b>	<b>1</b>	<b>6</b>	<b>7</b>	<b>12</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Alpena	247	0	0	67	9	0	0	2	13	0	0	6
Alpena Twp.	190	0	0	34	5	0	0	3	32	0	0	3
Green Twp.	72	1	1	3	0	0	0	0	5	0	0	1
Long Rapids Twp.	33	0	0	2	0	0	0	0	2	0	0	0
Maple Ridge Twp.	53	0	0	15	2	0	0	1	13	0	0	7
Ossineke Twp.	65	0	0	9	1	0	0	0	5	0	0	4
Sanborn Twp.	61	1	1	6	3	0	0	0	8	0	0	2
Wellington Twp.	8	0	0	1	2	0	0	1	1	0	0	1
Wilson Twp.	122	1	1	15	5	0	0	1	22	0	0	4
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Alpena County TOTAL</b>	<b>851</b>	<b>3</b>	<b>3</b>	<b>152</b>	<b>27</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>101</b>	<b>0</b>	<b>0</b>	<b>28</b>

**Restraint use among reported vehicle occupants by municipality**

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Alpena	469	413	88.1	0	0	0.0	4	4	100.0	11	10	90.9	41	40	97.6	369	358	97.0
Alpena Twp.	260	239	91.9	0	0	0.0	1	1	100.0	10	6	60.0	21	16	76.2	226	216	95.6
Green Twp.	80	77	96.3	1	0	0.0	0	0	0.0	0	0	0.0	3	3	100.0	76	74	97.4
Long Rapids Twp.	35	33	94.3	0	0	0.0	0	0	0.0	1	1	100.0	1	0	0.0	33	32	97.0
Maple Ridge Twp.	62	57	91.9	0	0	0.0	2	1	50.0	2	1	50.0	11	11	100.0	46	44	95.7
Ossineke Twp.	70	66	94.3	0	0	0.0	2	0	0.0	5	4	80.0	2	2	100.0	60	60	100.0
Sanborn Twp.	68	65	95.6	1	1	100.0	0	0	0.0	0	0	0.0	6	6	100.0	60	58	96.7
Wellington Twp.	9	7	77.8	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0	8	7	87.5
Wilson Twp.	138	131	94.9	1	0	0.0	0	0	0.0	4	4	100.0	11	11	100.0	122	116	95.1
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Alpena County TOTAL</b>	<b>1,191</b>	<b>1,088</b>	<b>91.4</b>	<b>3</b>	<b>1</b>	<b>33.3</b>	<b>9</b>	<b>6</b>	<b>66.7</b>	<b>33</b>	<b>26</b>	<b>78.8</b>	<b>97</b>	<b>89</b>	<b>91.8</b>	<b>1,000</b>	<b>965</b>	<b>96.5</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	87	0	14	73	0	17
February	54	0	5	49	0	6
March	78	0	6	72	0	7
April	47	0	4	43	0	8
May	49	0	6	43	0	6
June	64	0	9	55	0	10
July	68	0	17	51	0	22
August	59	0	13	46	0	18
September	64	0	9	55	0	10
October	81	0	11	70	0	14
November	105	0	9	96	0	10
December	102	1	10	91	1	13
<b>TOTAL</b>	<b>858</b>	<b>1</b>	<b>113</b>	<b>744</b>	<b>1</b>	<b>141</b>

In Antrim County in 2011 there were:  
858 crashes

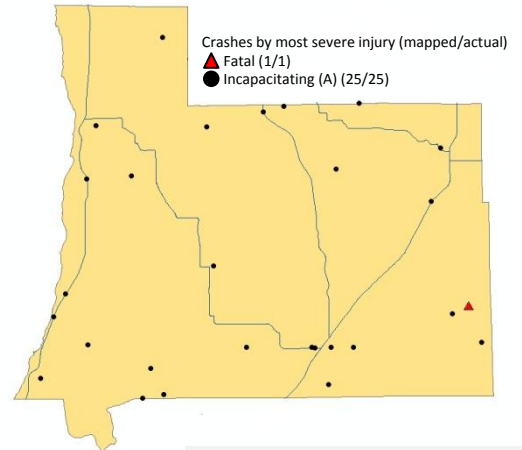
Involving:

1,294 people

1,291 motor vehicle drivers and passengers

1 bicyclist

2 pedestrians



## Driver Statistics

Age Group	2010*			Drivers in Crashes	
	Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	4,313	125	2	4.6	160.0
16 - 20	1,273	1,180	106	832.7	898.3
21 - 64	12,778	12,641	778	608.9	615.5
65 +	5,216	5,300	135	258.8	254.7
Other/Unknown	--	--	43	--	--
<b>TOTAL</b>	<b>23,580</b>	<b>19,246</b>	<b>1,064</b>	<b>451.2</b>	<b>552.8</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Antrim County Experience

Antrim County experienced the highest number of fatal crashes (1) and the highest number of persons killed (1) in December.

Antrim County driver statistics indicate 6.1 percent of licensed drivers were age 16-20, and 10.0 percent of drivers in that age group were involved in crashes.

In Antrim County, snowmobiles accounted for only 0.5 percent of the total vehicles in crashes, but a snowmobile was involved in the only fatal crash.



## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	688	64.7	0	0.0	96	592
Van, motorhome	43	4.0	0	0.0	9	34
Pickup truck	177	16.6	0	0.0	27	150
Small truck under 10,000 lbs. GVWR	81	7.6	0	0.0	12	69
Cycle	15	1.4	0	0.0	11	4
Moped	1	0.1	0	0.0	1	0
Go Cart	0	0.0	0	0.0	0	0
Snowmobile	5	0.5	1	100.0	2	2
Off-Road Vehicle (ORV) / All-Terrain Vehicle (ATV)	3	0.3	0	0.0	3	0
Other	5	0.5	0	0.0	0	5
Truck/bus over 10,000 lbs.	29	2.7	0	0.0	7	22
Unknown	17	1.6	0	0.0	1	16
<b>TOTAL</b>	<b>1,064</b>	<b>100.0</b>	<b>1</b>	<b>100.0</b>	<b>169</b>	<b>894</b>

## Crash Type

	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	666	77.6	1	100.0	15	26	25	599
Head On	16	1.9	0	0.0	2	2	4	8
Head On - Left Turn	6	0.7	0	0.0	2	1	0	3
Angle	62	7.2	0	0.0	2	5	11	44
Rear End	41	4.8	0	0.0	1	0	5	35
Rear End - Left Turn	8	0.9	0	0.0	0	0	2	6
Rear End - Right Turn	4	0.5	0	0.0	1	0	0	3
Sideswipe - Same Direction	19	2.2	0	0.0	1	1	2	15
Sideswipe - Opposite Direct	18	2.1	0	0.0	1	0	2	15
Other/Unknown	18	2.1	0	0.0	0	1	1	16
<b>Total</b>	<b>858</b>	<b>100.0</b>	<b>1</b>	<b>100.0</b>	<b>25</b>	<b>36</b>	<b>52</b>	<b>744</b>

## Relationship to Roadway

Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	620	72.3	0	0.0	12	16	31	561
Median	0	0.0	0	0.0	0	0	0	0
Shoulder	109	12.7	1	100.0	6	7	10	85
Outside of Shoulder/Curb	99	11.5	0	0.0	5	12	10	72
Gore	11	1.3	0	0.0	0	0	0	11
Other/Unknown	19	2.2	0	0.0	2	1	1	15
<b>Total</b>	<b>858</b>	<b>100.0</b>	<b>1</b>	<b>100.0</b>	<b>25</b>	<b>36</b>	<b>52</b>	<b>744</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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	1	1	0	1	0	0	0	0	1
21 - 64	41	41	28	35	0	2	1	1	31
65 +	3	2	1	1	0	0	0	0	1
Other/Unknown	5	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>50</b>	<b>44</b>	<b>29</b>	<b>37</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>33</b>

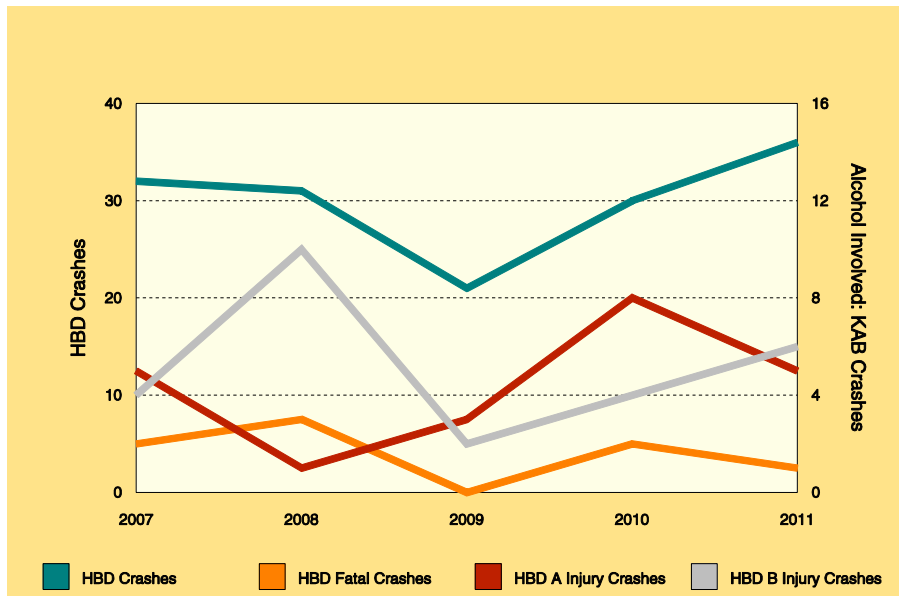
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

ANTRIM	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	1,057	32	3.0	3	2	66.7	24	5	20.8	47	4	8.5
2008	916	31	3.4	5	3	60.0	12	1	8.3	40	10	25.0
2009	934	21	2.3	2	0	0.0	22	3	13.6	41	2	4.9
2010	862	30	3.5	2	2	100.0	28	8	28.6	38	4	10.5
2011	858*	36	4.2	1*	1	100.0	25	5	20.0	36*	6	16.7

\* Lowest number reported in the 5-year period.

**Restraint use among reported vehicle occupants by vehicle type**

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	710	675	95.1	0	0	0.0	12	10	83.3	27	24	88.9	52	49	94.2	598	586	98.0
Van, motorhome	44	42	95.5	0	0	0.0	0	0	0.0	2	2	100.0	5	5	100.0	36	35	97.2
Pickup truck	179	165	92.2	0	0	0.0	3	2	66.7	3	2	66.7	4	4	100.0	157	154	98.1
Small truck under 10,000 lbs. GVWR	83	78	94.0	0	0	0.0	1	1	100.0	0	0	0.0	10	9	90.0	69	67	97.1
Cycle	15	13	86.7	0	0	0.0	5	5	100.0	5	5	100.0	1	1	100.0	3	2	66.7
Moped	1	1	100.0	0	0	0.0	1	1	100.0	0	0	0.0	0	0	0.0	0	0	0.0
Go 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	5	3	60.0	1	1	100.0	1	0	0.0	0	0	0.0	0	0	0.0	3	2	66.7
Off-Road Vehicle (ORV) /All-Terrain Vehicle (ATV)	3	1	33.3	0	0	0.0	2	1	50.0	1	0	0.0	0	0	0.0	0	0	0.0
Other	5	2	40.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	5	2	40.0
Truck/bus over 10,000 lbs.	29	27	93.1	0	0	0.0	0	0	0.0	2	1	50.0	1	1	100.0	26	25	96.2
Uncoded & errors	17	5	29.4	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	4	4	100.0
<b>TOTAL</b>	<b>1,091</b>	<b>1,012</b>	<b>92.8</b>	<b>1</b>	<b>1</b>	<b>100.0</b>	<b>25</b>	<b>20</b>	<b>80.0</b>	<b>40</b>	<b>34</b>	<b>85.0</b>	<b>73</b>	<b>69</b>	<b>94.5</b>	<b>901</b>	<b>877</b>	<b>97.3</b>

**Restraint use among reported vehicle occupants by age**

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	8	8	100.0	0	0	0.0	0	0	0.0	1	1	100.0	5	5	100.0	2	2	100.0
16 - 20	114	112	98.2	0	0	0.0	2	2	100.0	5	5	100.0	14	14	100.0	90	88	97.8
21 - 64	787	755	95.9	1	1	100.0	22	18	81.8	27	21	77.8	48	44	91.7	682	664	97.4
65 +	138	134	97.1	0	0	0.0	1	0	0.0	7	7	100.0	5	5	100.0	124	121	97.6
Other/Unknown	44	3	6.8	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	3	2	66.7
<b>TOTAL</b>	<b>1,091</b>	<b>1,012</b>	<b>92.8</b>	<b>1</b>	<b>1</b>	<b>100.0</b>	<b>25</b>	<b>20</b>	<b>80.0</b>	<b>40</b>	<b>34</b>	<b>85.0</b>	<b>73</b>	<b>69</b>	<b>94.5</b>	<b>901</b>	<b>877</b>	<b>97.3</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Banks Twp.	0	0	0	0	0	0	0	0	0
Bellaire	0	0	0	0	0	0	0	0	0
Central Lake	0	0	0	0	0	0	0	0	0
Central Lake Twp.	7	6	5	5	0	0	0	0	5
Chestonia Twp.	0	0	0	0	0	0	0	0	0
Custer Twp.	1	2	1	1	0	0	0	0	1
Echo Twp.	5	5	5	5	0	0	1	0	4
Elk Rapids	3	2	0	1	0	0	0	0	1
Elk Rapids Twp.	2	4	2	2	0	0	0	0	2
Ellsworth	1	0	0	1	0	0	0	0	1
Forest Home Twp.	3	3	3	3	0	0	0	0	3
Helena Twp.	4	0	0	3	0	0	0	0	3
Jordan Twp.	3	4	2	3	0	0	0	0	3
Kearney Twp.	2	3	2	2	0	0	0	0	2
Mancelona	0	0	0	0	0	0	0	0	0
Mancelona Twp.	6	5	4	4	0	1	0	0	3
Milton Twp.	10	6	3	5	0	0	0	1	4
Star Twp.	0	1	0	0	0	0	0	0	0
Torch Lake Twp.	0	0	0	0	0	0	0	0	0
Warner Twp.	3	3	2	2	0	1	0	0	1
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Antrim County TOTAL</b>	<b>50</b>	<b>44</b>	<b>29</b>	<b>37</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>33</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Banks Twp.	72	0	0	6	0	0	0	0	11	0	0	1
Bellaire	25	0	0	2	0	0	0	0	1	0	0	1
Central Lake	6	0	0	0	0	0	0	0	0	0	0	0
Central Lake Twp.	75	0	0	10	5	0	0	3	9	0	0	5
Chestonia Twp.	22	0	0	5	0	0	0	0	3	0	0	1
Custer Twp.	56	0	0	11	1	0	0	0	16	0	0	3
Echo Twp.	53	0	0	12	5	0	0	4	11	0	0	6
Elk Rapids	34	0	0	7	1	0	0	2	4	0	0	0
Elk Rapids Twp.	32	0	0	13	2	0	0	1	3	0	0	2
Ellsworth	2	0	0	0	1	0	0	0	0	0	0	0
Forest Home Twp.	64	0	0	3	3	0	0	1	8	0	0	1
Helena Twp.	58	0	0	9	3	0	0	2	7	0	0	3
Jordan Twp.	34	0	0	7	2	0	0	2	6	0	0	4
Kearney Twp.	55	0	0	9	2	0	0	0	14	0	0	3
Mancelona	28	0	0	11	0	0	0	0	0	0	0	0
Mancelona Twp.	66	1	1	16	4	1	1	3	17	0	0	2
Milton Twp.	59	0	0	9	5	0	0	4	10	0	0	1
Star Twp.	36	0	0	2	0	0	0	0	11	0	0	2
Torch Lake Twp.	50	0	0	6	0	0	0	0	5	0	0	2
Warner Twp.	31	0	0	3	2	0	0	0	8	0	0	1
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Antrim County TOTAL</b>	<b>858</b>	<b>1</b>	<b>1</b>	<b>141</b>	<b>36</b>	<b>1</b>	<b>1</b>	<b>22</b>	<b>144</b>	<b>0</b>	<b>0</b>	<b>38</b>

Restraint use among reported vehicle occupants by municipality																		
Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Banks Twp.	76	72	94.7	0	0	0.0	0	0	0.0	2	1	50.0	3	3	100.0	70	68	97.1
Bellaire	40	34	85.0	0	0	0.0	1	1	100.0	0	0	0.0	0	0	0.0	34	32	94.1
Central Lake	8	7	87.5	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	7	7	100.0
Central Lake Twp.	83	82	98.8	0	0	0.0	1	1	100.0	4	3	75.0	5	5	100.0	73	73	100.0
Chestonia Twp.	30	29	96.7	0	0	0.0	0	0	0.0	1	1	100.0	4	4	100.0	24	24	100.0
Custer Twp.	71	69	97.2	0	0	0.0	1	1	100.0	4	4	100.0	6	6	100.0	59	58	98.3
Echo Twp.	59	52	88.1	0	0	0.0	3	2	66.7	2	1	50.0	7	6	85.7	44	42	95.5
Elk Rapids	66	62	93.9	0	0	0.0	0	0	0.0	2	2	100.0	5	5	100.0	54	54	100.0
Elk Rapids Twp.	47	42	89.4	0	0	0.0	3	2	66.7	3	2	66.7	7	7	100.0	33	31	93.9
Ellsworth	3	3	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	3	3	100.0
Forest Home Twp.	71	69	97.2	0	0	0.0	0	0	0.0	1	1	100.0	2	2	100.0	68	66	97.1
Helena Twp.	69	64	92.8	0	0	0.0	2	1	50.0	5	5	100.0	2	1	50.0	56	55	98.2
Jordan Twp.	39	35	89.7	0	0	0.0	1	0	0.0	1	0	0.0	5	5	100.0	30	30	100.0
Kearney Twp.	65	60	92.3	0	0	0.0	0	0	0.0	4	4	100.0	4	4	100.0	55	52	94.5
Mancelona	54	49	90.7	0	0	0.0	2	2	100.0	2	2	100.0	7	7	100.0	38	36	94.7
Mancelona Twp.	90	79	87.8	1	1	100.0	5	4	80.0	2	1	50.0	9	8	88.9	67	65	97.0
Milton Twp.	80	68	85.0	0	0	0.0	2	2	100.0	3	3	100.0	4	3	75.0	62	59	95.2
Star Twp.	44	42	95.5	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0	39	39	100.0
Torch Lake Twp.	58	57	98.3	0	0	0.0	2	2	100.0	3	3	100.0	1	1	100.0	51	50	98.0
Warner Twp.	38	37	97.4	0	0	0.0	2	2	100.0	1	1	100.0	0	0	0.0	34	33	97.1
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Antrim County TOTAL</b>	<b>1,091</b>	<b>1,012</b>	<b>92.8</b>	<b>1</b>	<b>1</b>	<b>100.0</b>	<b>25</b>	<b>20</b>	<b>80.0</b>	<b>40</b>	<b>34</b>	<b>85.0</b>	<b>73</b>	<b>69</b>	<b>94.5</b>	<b>901</b>	<b>877</b>	<b>97.3</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	65	0	8	57	0	9
February	55	0	15	40	0	24
March	75	0	10	65	0	13
April	70	0	13	57	0	17
May	52	1	4	47	1	5
June	61	0	4	57	0	4
July	62	0	8	54	0	11
August	43	0	5	38	0	8
September	58	0	6	52	0	6
October	66	1	9	56	1	19
November	70	0	6	64	0	8
December	58	0	8	50	0	11
<b>TOTAL</b>	<b>735</b>	<b>2</b>	<b>96</b>	<b>637</b>	<b>2</b>	<b>135</b>

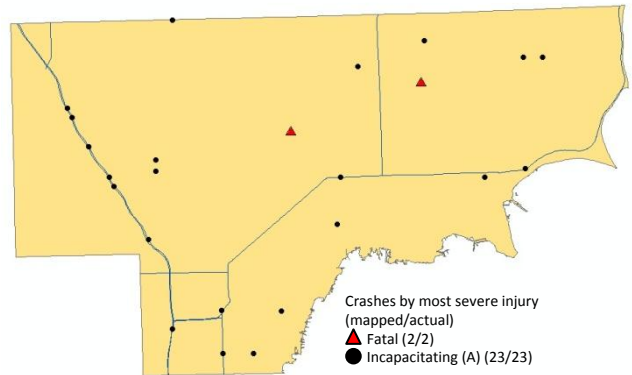
In Arenac County in 2011 there were:

735 crashes

Involving:

1,069 people

1,068 motor vehicle drivers and passengers  
1 pedestrian



## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	2,748	86	3	10.9	348.8
16 - 20	995	754	94	944.7	1246.7
21 - 64	8,929	8,425	661	740.3	784.6
65 +	3,227	3,059	102	316.1	333.4
Other/Unknown	--	--	16	--	--
<b>TOTAL</b>	<b>15,899</b>	<b>12,324</b>	<b>876</b>	<b>551.0</b>	<b>710.8</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Arenac County Experience

Arenac County experienced the highest number of fatal crashes (1) and the highest number of persons killed (1) in May and October.

Arenac County driver statistics indicate 6.1 percent of licensed drivers were age 16-20, and 10.7 percent of drivers in that age group were involved in crashes.

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	615	70.2	0	0.0	89	526
Van, motorhome	33	3.8	0	0.0	5	28
Pickup truck	177	20.2	1	50.0	28	148
Small truck under 10,000 lbs. GVWR	16	1.8	1	50.0	2	13
Cycle	5	0.6	0	0.0	5	0
Moped	1	0.1	0	0.0	1	0
Go Cart	0	0.0	0	0.0	0	0
Snowmobile	1	0.1	0	0.0	0	1
Off-Road Vehicle (ORV) / All-Terrain Vehicle (ATV)	2	0.2	0	0.0	2	0
Other	2	0.2	0	0.0	0	2
Truck/bus over 10,000 lbs.	17	1.9	0	0.0	2	15
Unknown	7	0.8	0	0.0	0	7
<b>TOTAL</b>	<b>876</b>	<b>100.0</b>	<b>2</b>	<b>100.0</b>	<b>134</b>	<b>740</b>



## Crash Type

	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	595	81.0	2	100.0	17	19	25	532
Head On	5	0.7	0	0.0	1	0	1	3
Head On - Left Turn	3	0.4	0	0.0	0	0	0	3
Angle	45	6.1	0	0.0	3	7	8	27
Rear End	32	4.4	0	0.0	0	3	4	25
Rear End - Left Turn	2	0.3	0	0.0	0	0	0	2
Rear End - Right Turn	2	0.3	0	0.0	0	0	1	1
Sideswipe - Same Direction	27	3.7	0	0.0	0	1	2	24
Sideswipe - Opposite Direct	7	1.0	0	0.0	2	1	0	4
Other/Unknown	17	2.3	0	0.0	0	0	1	16
<b>Total</b>	<b>735</b>	<b>100.0</b>	<b>2</b>	<b>100.0</b>	<b>23</b>	<b>31</b>	<b>42</b>	<b>637</b>

## Relationship to Roadway

Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	544	74.0	1	50.0	9	13	19	502
Median	6	0.8	0	0.0	1	0	0	5
Shoulder	40	5.4	0	0.0	4	4	4	28
Outside of Shoulder/Curb	114	15.5	1	50.0	9	8	13	83
Gore	7	1.0	0	0.0	0	0	4	3
Other/Unknown	24	3.3	0	0.0	0	6	2	16
<b>Total</b>	<b>735</b>	<b>100.0</b>	<b>2</b>	<b>100.0</b>	<b>23</b>	<b>31</b>	<b>42</b>	<b>637</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-related crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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	4	4	3	3	0	0	1	0	2
21 - 64	20	21	19	20	0	1	2	2	15
65 +	1	1	0	0	0	0	0	0	0
Other/Unknown	1	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>26</b>	<b>26</b>	<b>22</b>	<b>23</b>	<b>0</b>	<b>1</b>	<b>3</b>	<b>2</b>	<b>17</b>

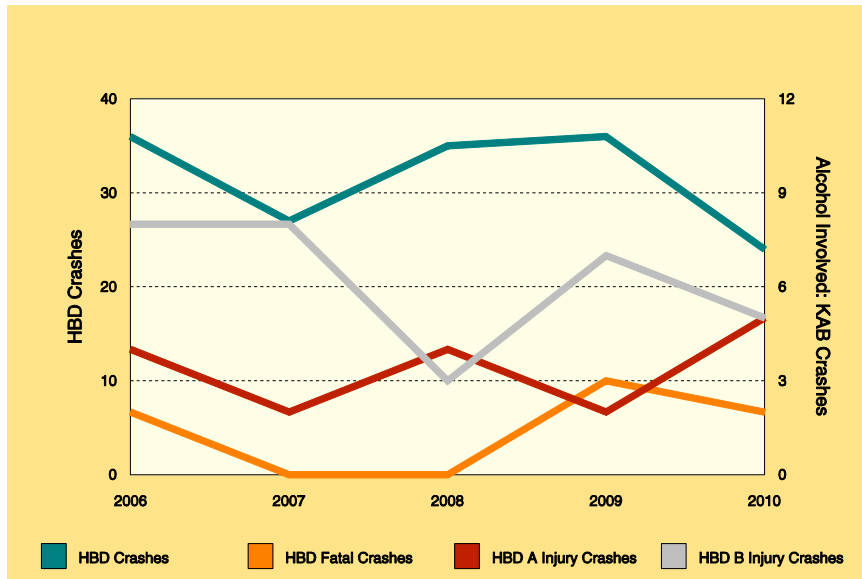
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

ARENAC	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	878	27	3.1	2	0	0.0	24	2	8.3	45	8	17.8
2008	880	35	4.0	2	0	0.0	16	4	25.0	33	3	9.1
2009	898	36	4.0	5	3	60.0	17	2	11.8	42	7	16.7
2010	661	24	3.6	4	2	50.0	18	5	27.8	28	5	17.9
2011	735	23*	3.1	2	2	100.0	23	2	8.7	31	4	12.9

\* Lowest number reported in the 5-year period.

**Restraint use among reported vehicle occupants by vehicle type**

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	643	611	95.0	0	0	0.0	20	17	85.0	31	23	74.2	41	37	90.2	539	530	98.3
Van, motorhome	35	33	94.3	0	0	0.0	1	1	100.0	2	1	50.0	3	2	66.7	29	29	100.0
Pickup truck	185	176	95.1	1	0	0.0	4	1	25.0	6	6	100.0	14	14	100.0	157	153	97.5
Small truck under 10,000 lbs. GVWR	17	17	100.0	1	1	100.0	3	3	100.0	0	0	0.0	0	0	0.0	13	13	100.0
Cycle	5	3	60.0	0	0	0.0	3	1	33.3	1	1	100.0	1	1	100.0	0	0	0.0
Moped	1	1	100.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	0	0	0.0
Go 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	1	1	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0
Off-Road Vehicle (ORV) /All-Terrain Vehicle (ATV)	2	0	0.0	0	0	0.0	2	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Other	2	1	50.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	2	1	50.0
Truck/bus over 10,000 lbs.	17	17	100.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	16	16	100.0
Uncoded & errors	7	1	14.3	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0
<b>TOTAL</b>	<b>915</b>	<b>861</b>	<b>94.1</b>	<b>2</b>	<b>1</b>	<b>50.0</b>	<b>33</b>	<b>23</b>	<b>69.7</b>	<b>40</b>	<b>31</b>	<b>77.5</b>	<b>61</b>	<b>56</b>	<b>91.8</b>	<b>758</b>	<b>744</b>	<b>98.2</b>

**Restraint use among reported vehicle occupants by age**

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	10	10	100.0	0	0	0.0	1	1	100.0	4	4	100.0	3	3	100.0	2	2	100.0
16 - 20	101	95	94.1	1	1	100.0	3	3	100.0	5	2	40.0	12	10	83.3	79	78	98.7
21 - 64	683	653	95.6	1	0	0.0	24	14	58.3	26	21	80.8	40	38	95.0	587	575	98.0
65 +	104	102	98.1	0	0	0.0	5	5	100.0	5	4	80.0	5	5	100.0	89	88	98.9
Other/Unknown	17	1	5.9	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0	1	1	100.0
<b>TOTAL</b>	<b>915</b>	<b>861</b>	<b>94.1</b>	<b>2</b>	<b>1</b>	<b>50.0</b>	<b>33</b>	<b>23</b>	<b>69.7</b>	<b>40</b>	<b>31</b>	<b>77.5</b>	<b>61</b>	<b>56</b>	<b>91.8</b>	<b>758</b>	<b>744</b>	<b>98.2</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Adams Twp.	0	0	0	0	0	0	0	0	0
Arenac Twp.	2	2	2	2	0	0	1	0	1
Au Gres	2	1	1	1	0	0	0	0	1
Au Gres Twp.	1	1	0	1	0	0	0	0	1
Clayton Twp.	0	0	0	0	0	0	0	0	0
Deep River Twp.	2	2	2	2	0	0	1	0	1
Lincoln Twp.	4	4	4	4	0	0	1	0	3
Mason Twp.	0	0	0	0	0	0	0	0	0
Moffat Twp.	2	3	2	2	0	0	0	1	1
Omer	0	0	0	0	0	0	0	0	0
Sims Twp.	2	1	1	1	0	0	0	0	1
Standish	1	1	1	1	0	0	0	0	1
Standish Twp.	5	6	5	5	0	0	0	0	5
Sterling	0	0	0	0	0	0	0	0	0
Turner	0	0	0	0	0	0	0	0	0
Turner Twp.	3	4	3	3	0	1	0	1	1
Twining	0	0	0	0	0	0	0	0	0
Whitney Twp.	2	1	1	1	0	0	0	0	1
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Arenac County TOTAL</b>	<b>26</b>	<b>26</b>	<b>22</b>	<b>23</b>	<b>0</b>	<b>1</b>	<b>3</b>	<b>2</b>	<b>17</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Adams Twp.	49	0	0	17	0	0	0	0	19	0	0	11
Arenac Twp.	47	1	1	4	2	1	1	1	6	0	0	2
Au Gres	16	0	0	8	1	0	0	3	1	0	0	1
Au Gres Twp.	71	0	0	4	1	0	0	1	7	0	0	1
Clayton Twp.	39	0	0	5	0	0	0	0	3	0	0	0
Deep River Twp.	89	0	0	10	2	0	0	0	25	0	0	6
Lincoln Twp.	94	0	0	8	4	0	0	0	20	0	0	2
Mason Twp.	15	0	0	1	0	0	0	0	1	0	0	0
Moffat Twp.	58	0	0	22	2	0	0	1	14	0	0	7
Omer	9	0	0	1	0	0	0	0	2	0	0	0
Sims Twp.	33	0	0	4	1	0	0	2	2	0	0	1
Standish	48	0	0	13	1	0	0	0	4	0	0	1
Standish Twp.	81	0	0	25	5	0	0	4	14	0	0	4
Sterling	2	0	0	1	0	0	0	0	2	0	0	1
Turner	0	0	0	0	0	0	0	0	0	0	0	0
Turner Twp.	42	1	1	4	3	1	1	2	4	0	0	1
Twining	4	0	0	0	0	0	0	0	0	0	0	0
Whitney Twp.	38	0	0	8	1	0	0	0	1	0	0	1
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Arenac County TOTAL</b>	<b>735</b>	<b>2</b>	<b>2</b>	<b>135</b>	<b>23</b>	<b>2</b>	<b>2</b>	<b>14</b>	<b>125</b>	<b>0</b>	<b>0</b>	<b>39</b>

Restraint use among reported vehicle occupants by municipality

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Adams Twp.	59	54	91.5	0	0	0.0	5	2	40.0	6	5	83.3	6	5	83.3	42	42	100.0
Arenac Twp.	53	50	94.3	1	1	100.0	2	1	50.0	0	0	0.0	2	2	100.0	48	46	95.8
Au Gres	29	28	96.6	0	0	0.0	3	3	100.0	1	1	100.0	4	4	100.0	20	20	100.0
Au Gres Twp.	75	71	94.7	0	0	0.0	0	0	0.0	1	1	100.0	3	3	100.0	69	67	97.1
Clayton Twp.	44	40	90.9	0	0	0.0	2	0	0.0	2	0	0.0	1	1	100.0	39	39	100.0
Deep River Twp.	100	99	99.0	0	0	0.0	3	3	100.0	2	2	100.0	5	5	100.0	90	89	98.9
Lincoln Twp.	119	111	93.3	0	0	0.0	2	2	100.0	4	4	100.0	2	2	100.0	105	101	96.2
Mason Twp.	16	16	100.0	0	0	0.0	1	1	100.0	0	0	0.0	0	0	0.0	15	15	100.0
Moffat Twp.	76	68	89.5	0	0	0.0	2	1	50.0	7	5	71.4	13	10	76.9	52	52	100.0
Omer	12	12	100.0	0	0	0.0	1	1	100.0	0	0	0.0	0	0	0.0	11	11	100.0
Sims Twp.	38	38	100.0	0	0	0.0	1	1	100.0	2	2	100.0	1	1	100.0	34	34	100.0
Standish	86	83	96.5	0	0	0.0	0	0	0.0	3	3	100.0	9	9	100.0	71	70	98.6
Standish Twp.	108	102	94.4	0	0	0.0	8	8	100.0	7	5	71.4	10	9	90.0	81	79	97.5
Sterling	2	2	100.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	1	1	100.0
Turner	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Turner Twp.	49	44	89.8	1	0	0.0	1	0	0.0	0	0	0.0	3	3	100.0	40	39	97.5
Twining	4	4	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	4	4	100.0
Whitney Twp.	45	39	86.7	0	0	0.0	2	0	0.0	5	3	60.0	1	1	100.0	36	35	97.2
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Arenac County TOTAL</b>	<b>915</b>	<b>861</b>	<b>94.1</b>	<b>2</b>	<b>1</b>	<b>50.0</b>	<b>33</b>	<b>23</b>	<b>69.7</b>	<b>40</b>	<b>31</b>	<b>77.5</b>	<b>61</b>	<b>56</b>	<b>91.8</b>	<b>758</b>	<b>744</b>	<b>98.2</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	58	1	9	48	1	13
February	30	0	3	27	0	4
March	30	0	2	28	0	2
April	27	0	3	24	0	3
May	26	0	7	19	0	11
June	32	0	3	29	0	3
July	21	0	3	18	0	6
August	19	0	2	17	0	2
September	28	1	1	26	1	2
October	41	0	3	38	0	4
November	61	0	6	55	0	6
December	51	0	6	45	0	6
<b>TOTAL</b>	<b>424</b>	<b>2</b>	<b>48</b>	<b>374</b>	<b>2</b>	<b>62</b>

In Baraga County in 2011 there were:  
424 crashes

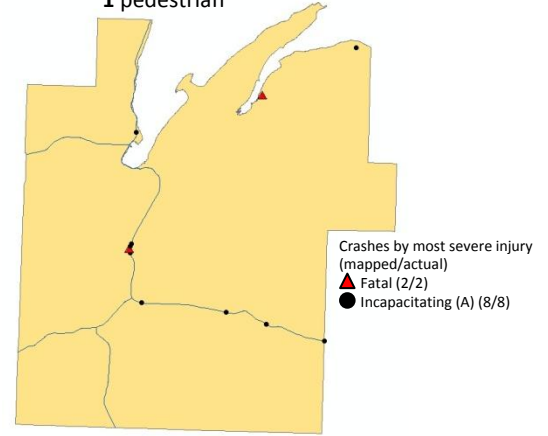
Involving:

583 people

581 motor vehicle drivers and passengers

1 bicyclist

1 pedestrian



## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	1,543	31	3	19.4	967.7
16 - 20	508	393	36	708.7	916.0
21 - 64	5,278	4,096	344	651.8	839.8
65 +	1,531	1,319	75	489.9	568.6
Other/Unknown	--	--	21	--	--
<b>TOTAL</b>	<b>8,860</b>	<b>5,839</b>	<b>479</b>	<b>540.6</b>	<b>820.3</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Baraga County Experience

Baraga County experienced the highest number of fatal crashes (1) and the highest number of persons killed (1) in January and September.

Baraga County driver statistics indicate 6.7 percent of licensed drivers were age 16-20, and 7.5 percent of drivers in that age group were involved in crashes.

In Baraga County, pickup trucks accounted for 26.5 percent of the total vehicles in crashes, and were involved in 22.0 percent of the total injury crashes.



## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	303	63.3	2	66.7	38	263
Van, motorhome	13	2.7	0	0.0	0	13
Pickup truck	127	26.5	1	33.3	13	113
Small truck under 10,000 lbs. GVWR	20	4.2	0	0.0	3	17
Cycle	2	0.4	0	0.0	2	0
Moped	0	0.0	0	0.0	0	0
Go Cart	0	0.0	0	0.0	0	0
Snowmobile	1	0.2	0	0.0	1	0
Off-Road Vehicle (ORV) / All-Terrain Vehicle (ATV)	1	0.2	0	0.0	1	0
Other	1	0.2	0	0.0	0	1
Truck/bus over 10,000 lbs.	9	1.9	0	0.0	1	8
Unknown	2	0.4	0	0.0	0	2
<b>TOTAL</b>	<b>479</b>	<b>100.0</b>	<b>3</b>	<b>100.0</b>	<b>59</b>	<b>417</b>

## Crash Type

	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	370	87.3	1	50.0	4	14	19	332
Head On	6	1.4	1	50.0	2	0	1	2
Head On - Left Turn	2	0.5	0	0.0	0	0	0	2
Angle	10	2.4	0	0.0	0	0	4	6
Rear End	12	2.8	0	0.0	1	1	1	9
Rear End - Left Turn	3	0.7	0	0.0	0	0	0	3
Rear End - Right Turn	1	0.2	0	0.0	0	0	0	1
Sideswipe - Same Direction	3	0.7	0	0.0	0	0	0	3
Sideswipe - Opposite Direct	3	0.7	0	0.0	0	0	0	3
Other/Unknown	14	3.3	0	0.0	1	0	0	13
<b>Total</b>	<b>424</b>	<b>100.0</b>	<b>2</b>	<b>100.0</b>	<b>8</b>	<b>15</b>	<b>25</b>	<b>374</b>

## Relationship to Roadway

Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	336	79.2	2	100.0	5	8	17	304
Median	0	0.0	0	0.0	0	0	0	0
Shoulder	23	5.4	0	0.0	1	0	0	22
Outside of Shoulder/Curb	49	11.6	0	0.0	2	7	8	32
Gore	1	0.2	0	0.0	0	0	0	1
Other/Unknown	15	3.5	0	0.0	0	0	0	15
<b>Total</b>	<b>424</b>	<b>100.0</b>	<b>2</b>	<b>100.0</b>	<b>8</b>	<b>15</b>	<b>25</b>	<b>374</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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	1	3	1	1	0	0	0	0	1
21 - 64	11	10	7	10	0	0	1	2	7
65 +	0	0	0	0	0	0	0	0	0
Other/Unknown	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>12</b>	<b>13</b>	<b>8</b>	<b>11</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>8</b>

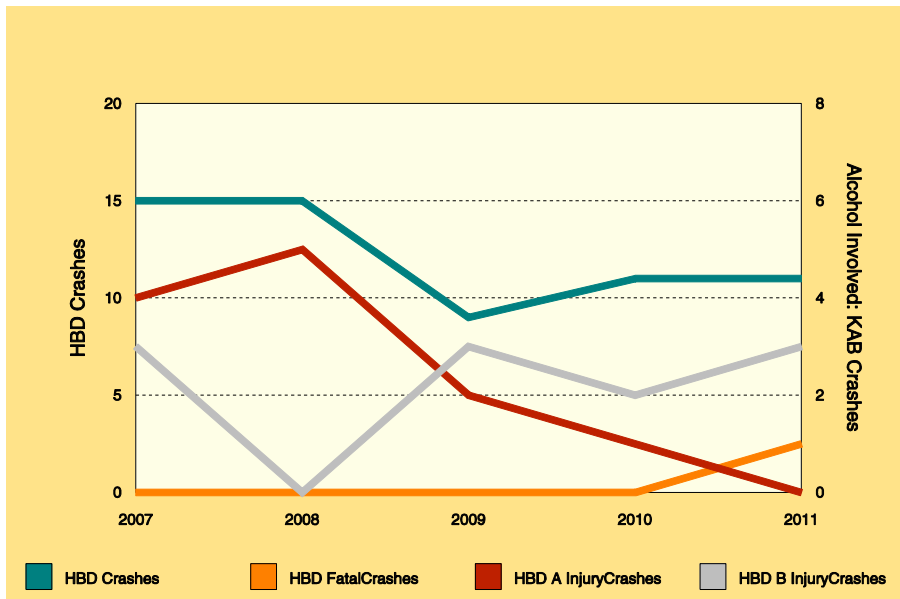
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

BARAGA	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	407	15	3.7	0	0	0.0	12	4	33.3	19	3	15.8
2008	394	15	3.8	0	0	0.0	16	5	31.3	9	0	0.0
2009	356	9	2.5	0	0	0.0	9	2	22.2	18	3	16.7
2010	361	11	3.1	0	0	0.0	6	1	16.7	12	2	16.7
2011	424*	11	2.6	2*	1*	50.0	8	0**	0.0	15	3	20.0

\* Highest number reported in the 5-year period. \*\* Lowest number reported in the 5-year period.

**Restraint use among reported vehicle occupants by vehicle type**

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	320	299	93.4	1	0	0.0	10	10	100.0	10	7	70.0	23	22	95.7	264	259	98.1
Van, motorhome	13	13	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	13	13	100.0
Pickup truck	129	122	94.6	1	0	0.0	4	4	100.0	4	4	100.0	3	2	66.7	112	111	99.1
Small truck under 10,000 lbs. GVWR	20	17	85.0	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0	15	15	100.0
Cycle	3	3	100.0	0	0	0.0	1	1	100.0	0	0	0.0	2	2	100.0	0	0	0.0
Moped	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	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	1	1	100.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	0	0	0.0
Off-Road Vehicle (ORV) /All-Terrain Vehicle (ATV)	1	1	100.0	0	0	0.0	1	1	100.0	0	0	0.0	0	0	0.0	0	0	0.0
Other	1	1	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0
Truck/bus over 10,000 lbs.	9	8	88.9	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	9	8	88.9
Uncoded & errors	2	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>TOTAL</b>	<b>499</b>	<b>465</b>	<b>93.2</b>	<b>2</b>	<b>0</b>	<b>0.0</b>	<b>16</b>	<b>16</b>	<b>100.0</b>	<b>14</b>	<b>11</b>	<b>78.6</b>	<b>31</b>	<b>29</b>	<b>93.5</b>	<b>414</b>	<b>407</b>	<b>98.3</b>

**Restraint use among reported vehicle occupants by age**

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	5	5	100.0	0	0	0.0	1	1	100.0	1	1	100.0	0	0	0.0	3	3	100.0
16 - 20	42	40	95.2	0	0	0.0	3	3	100.0	4	2	50.0	4	4	100.0	31	31	100.0
21 - 64	353	344	97.5	2	0	0.0	11	11	100.0	8	7	87.5	21	19	90.5	310	306	98.7
65 +	78	75	96.2	0	0	0.0	1	1	100.0	1	1	100.0	6	6	100.0	69	66	95.7
Other/Unknown	21	1	4.8	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0
<b>TOTAL</b>	<b>499</b>	<b>465</b>	<b>93.2</b>	<b>2</b>	<b>0</b>	<b>0.0</b>	<b>16</b>	<b>16</b>	<b>100.0</b>	<b>14</b>	<b>11</b>	<b>78.6</b>	<b>31</b>	<b>29</b>	<b>93.5</b>	<b>414</b>	<b>407</b>	<b>98.3</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Arvon Twp.	1	0	0	1	0	0	0	1	0
Baraga	3	2	2	3	0	0	0	0	3
Baraga Twp.	3	3	2	2	0	0	1	0	1
Covington Twp.	1	1	1	1	0	0	0	0	1
L'Anse	2	2	2	2	0	0	0	0	2
L'Anse Twp.	1	4	0	1	0	0	0	0	1
Spurr Twp.	1	1	1	1	0	0	0	1	0
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Baraga County TOTAL</b>	<b>12</b>	<b>13</b>	<b>8</b>	<b>11</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>8</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Arvon Twp.	17	1	1	2	1	1	1	0	3	0	0	2
Baraga	20	0	0	5	3	0	0	2	1	0	0	0
Baraga Twp.	132	0	0	12	2	0	0	2	12	0	0	3
Covington Twp.	69	0	0	15	1	0	0	1	17	0	0	7
L'Anse	68	0	0	9	2	0	0	2	3	0	0	0
L'Anse Twp.	101	1	1	12	1	0	0	0	19	1	1	4
Spurr Twp.	17	0	0	7	1	0	0	0	3	0	0	0
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Baraga County TOTAL</b>	<b>424</b>	<b>2</b>	<b>2</b>	<b>62</b>	<b>11</b>	<b>1</b>	<b>1</b>	<b>7</b>	<b>58</b>	<b>1</b>	<b>1</b>	<b>16</b>

**Restraint use among reported vehicle occupants by municipality**

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Arvon Twp.	18	15	83.3	1	0	0.0	1	1	100.0	1	0	0.0	0	0	0.0	15	14	93.3
Baraga	26	24	92.3	0	0	0.0	2	2	100.0	0	0	0.0	3	3	100.0	20	19	95.0
Baraga Twp.	140	133	95.0	0	0	0.0	0	0	0.0	4	3	75.0	8	6	75.0	125	123	98.4
Covington Twp.	81	81	100.0	0	0	0.0	3	3	100.0	4	4	100.0	8	8	100.0	65	65	100.0
L'Anse	99	80	80.8	0	0	0.0	0	0	0.0	3	2	66.7	5	5	100.0	74	73	98.6
L'Anse Twp.	111	109	98.2	1	0	0.0	5	5	100.0	2	2	100.0	5	5	100.0	98	97	99.0
Spurr Twp.	24	23	95.8	0	0	0.0	5	5	100.0	0	0	0.0	2	2	100.0	17	16	94.1
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Baraga County TOTAL</b>	<b>499</b>	<b>465</b>	<b>93.2</b>	<b>2</b>	<b>0</b>	<b>0.0</b>	<b>16</b>	<b>16</b>	<b>100.0</b>	<b>14</b>	<b>11</b>	<b>78.6</b>	<b>31</b>	<b>29</b>	<b>93.5</b>	<b>414</b>	<b>407</b>	<b>98.3</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	186	0	24	162	0	32
February	139	0	11	128	0	14
March	96	1	13	82	2	20
April	117	0	21	96	0	22
May	102	0	25	77	0	31
June	130	2	23	105	2	33
July	128	1	21	106	1	26
August	94	1	18	75	1	24
September	121	0	11	110	0	17
October	138	2	10	126	3	13
November	223	0	18	205	0	21
December	206	1	22	183	1	29
<b>TOTAL</b>	<b>1,680</b>	<b>8</b>	<b>217</b>	<b>1,455</b>	<b>10</b>	<b>282</b>

In Barry County in 2011 there were:

**1,680** crashes

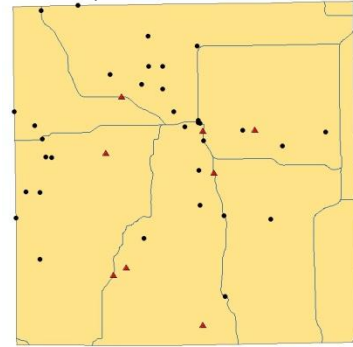
Involving:

**2,375** people

**2,362** motor vehicle drivers and passengers

**5** bicyclists

**8** pedestrians



Crashes by most severe injury (mapped/actual)

▲ Fatal (8/8)

● Incapacitating (A) (33/33)

## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	12,687	384	4	3.2	104.2
16 - 20	4,028	3,356	261	648.0	777.7
21 - 64	33,847	33,010	1,520	449.1	460.5
65 +	8,611	8,478	199	231.1	234.7
Other/Unknown	--	--	58	--	--
<b>TOTAL</b>	<b>59,173</b>	<b>45,228</b>	<b>2,042</b>	<b>345.1</b>	<b>451.5</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	1,477	72.3	6	50.0	196	1,275
Van, motorhome	90	4.4	0	0.0	17	73
Pickup truck	363	17.8	2	16.7	51	310
Small truck under 10,000 lbs. GVWR	24	1.2	0	0.0	6	18
Cycle	29	1.4	4	33.3	23	2
Moped	2	0.1	0	0.0	2	0
Go 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)	2	0.1	0	0.0	2	0
Other	8	0.4	0	0.0	0	8
Truck/bus over 10,000 lbs.	33	1.6	0	0.0	5	28
Unknown	14	0.7	0	0.0	2	12
<b>TOTAL</b>	<b>2,042</b>	<b>100.0</b>	<b>12</b>	<b>100.0</b>	<b>304</b>	<b>1,726</b>

## Barry County Experience

Barry County experienced the highest number of fatal crashes (2) in June and October, and the most persons killed (3) in October.

Barry County driver statistics indicate 7.4 percent of licensed drivers were age 16-20, and 12.8 percent of drivers in that age group were involved in crashes.

In Barry County, motorcycles accounted for only 1.4 percent of the total vehicles in crashes, but were involved in 33.3 percent of the total fatal crashes.



## Crash Type

	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	1,321	78.6	4	50.0	25	41	71	1,180
Head On	18	1.1	2	25.0	2	4	2	8
Head On - Left Turn	15	0.9	0	0.0	1	1	3	10
Angle	129	7.7	1	12.5	5	16	15	92
Rear End	76	4.5	0	0.0	0	5	12	59
Rear End - Left Turn	16	1.0	1	12.5	0	3	2	10
Rear End - Right Turn	4	0.2	0	0.0	0	0	0	4
Sideswipe - Same Direction	30	1.8	0	0.0	0	1	0	29
Sideswipe - Opposite Direct	29	1.7	0	0.0	0	0	2	27
Other/Unknown	42	2.5	0	0.0	0	3	3	36
<b>Total</b>	<b>1,680</b>	<b>100.0</b>	<b>8</b>	<b>100.0</b>	<b>33</b>	<b>74</b>	<b>110</b>	<b>1,455</b>

## Relationship to Roadway

Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	1,323	78.8	4	50.0	19	48	56	1,196
Median	1	0.1	0	0.0	0	1	0	0
Shoulder	65	3.9	0	0.0	2	5	5	53
Outside of Shoulder/Curb	258	15.4	4	50.0	12	18	45	179
Gore	2	0.1	0	0.0	0	0	2	0
Other/Unknown	31	1.8	0	0.0	0	2	2	27
<b>Total</b>	<b>1,680</b>	<b>100.0</b>	<b>8</b>	<b>100.0</b>	<b>33</b>	<b>74</b>	<b>110</b>	<b>1,455</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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	7	12	5	6	0	1	2	1	2
21 - 64	71	81	53	65	0	4	15	5	41
65 +	0	1	0	0	0	0	0	0	0
Other/Unknown	1	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>79</b>	<b>94</b>	<b>58</b>	<b>71</b>	<b>0</b>	<b>5</b>	<b>17</b>	<b>6</b>	<b>43</b>

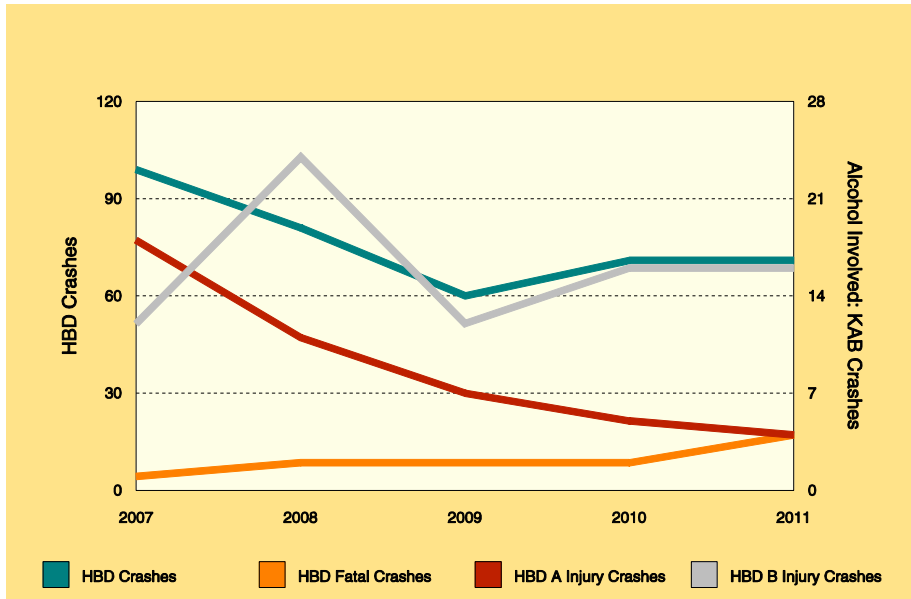
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

BARRY	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	2,082	99	4.8	8	1	12.5	53	18	34.0	109	12	11.0
2008	1,982	81	4.1	5	2	40.0	46	11	23.9	102	24	23.5
2009	1,997	60	3.0	8	2	25.0	43	7	16.3	85	12	14.1
2010	1,757	71	4.0	8	2	25.0	42	5	11.9	84	16	19.1
2011	1,680*	71	4.2	8	4**	50.0	33*	4*	12.1	74*	16	21.6

\* Lowest number reported in the 5-year period. \*\* Highest number reported in the 5-year period.

### Restraint use among reported vehicle occupants by vehicle type

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	1,519	1,440	94.8	6	1	16.7	26	18	69.2	54	45	83.3	95	86	90.5	1,315	1,288	97.9
Van, motorhome	96	91	94.8	0	0	0.0	2	2	100.0	3	3	100.0	13	13	100.0	75	73	97.3
Pickup truck	373	340	91.2	0	0	0.0	2	1	50.0	15	13	86.7	27	24	88.9	319	302	94.7
Small truck under 10,000 lbs. GVWR	25	25	100.0	0	0	0.0	0	0	0.0	0	0	0.0	6	6	100.0	19	19	100.0
Cycle	30	24	80.0	4	3	75.0	6	6	100.0	12	9	75.0	6	4	66.7	2	2	100.0
Moped	2	1	50.0	0	0	0.0	1	0	0.0	1	1	100.0	0	0	0.0	0	0	0.0
Go 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)	2	1	50.0	0	0	0.0	0	0	0.0	2	1	50.0	0	0	0.0	0	0	0.0
Other	8	5	62.5	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	8	5	62.5
Truck/bus over 10,000 lbs.	33	31	93.9	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	30	30	100.0
Uncoded & errors	14	1	7.1	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0
<b>TOTAL</b>	<b>2,102</b>	<b>1,959</b>	<b>93.2</b>	<b>10</b>	<b>4</b>	<b>40.0</b>	<b>37</b>	<b>27</b>	<b>73.0</b>	<b>87</b>	<b>72</b>	<b>82.8</b>	<b>148</b>	<b>134</b>	<b>90.5</b>	<b>1,769</b>	<b>1,720</b>	<b>97.2</b>

### Restraint use among reported vehicle occupants by age

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	23	22	95.7	0	0	0.0	2	1	50.0	4	4	100.0	14	14	100.0	3	3	100.0
16 - 20	270	258	95.6	1	0	0.0	6	3	50.0	13	11	84.6	27	26	96.3	223	218	97.8
21 - 64	1,550	1,486	95.9	8	3	37.5	27	21	77.8	61	51	83.6	94	82	87.2	1,358	1,327	97.7
65 +	201	192	95.5	1	1	100.0	2	2	100.0	9	6	66.7	13	12	92.3	176	171	97.2
Other/Unknown	58	1	1.7	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	9	1	11.1
<b>TOTAL</b>	<b>2,102</b>	<b>1,959</b>	<b>93.2</b>	<b>10</b>	<b>4</b>	<b>40.0</b>	<b>37</b>	<b>27</b>	<b>73.0</b>	<b>87</b>	<b>72</b>	<b>82.8</b>	<b>148</b>	<b>134</b>	<b>90.5</b>	<b>1,769</b>	<b>1,720</b>	<b>97.2</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Assyria Twp.	5	6	5	5	0	0	1	1	3
Baltimore Twp.	4	4	3	4	0	1	0	0	3
Barry Twp.	7	6	5	6	0	0	2	1	3
Carlton Twp.	6	6	4	4	0	1	1	1	1
Castleton Twp.	4	5	4	4	0	1	1	0	2
Freeport	0	0	0	0	0	0	0	0	0
Hastings	4	6	2	4	0	0	0	0	4
Hastings Twp.	5	11	4	4	0	0	2	0	2
Hope Twp.	8	5	5	6	0	0	0	0	6
Irving Twp.	3	4	3	3	0	1	1	0	1
Johnstown Twp.	3	5	3	3	0	0	1	0	2
Maple Grove Twp.	1	1	1	1	0	0	1	0	0
Middleville	0	0	0	0	0	0	0	0	0
Nashville	0	2	0	0	0	0	0	0	0
Orangeville Twp.	3	1	1	3	0	0	0	0	3
Prairieville Twp.	3	4	2	3	0	0	0	1	2
Rutland Twp.	5	7	3	5	0	1	1	0	3
Thornapple Twp.	8	7	7	8	0	0	2	1	5
Woodland	2	0	0	1	0	0	0	0	1
Woodland Twp.	2	6	2	2	0	0	1	0	1
Yankee Springs Twp.	6	8	4	5	0	0	3	1	1
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Barry County TOTAL</b>	<b>79</b>	<b>94</b>	<b>58</b>	<b>71</b>	<b>0</b>	<b>5</b>	<b>17</b>	<b>6</b>	<b>43</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Assyria Twp.	53	0	0	7	5	0	0	2	4	0	0	0
Baltimore Twp.	69	0	0	13	4	0	0	1	11	0	0	5
Barry Twp.	69	2	4	5	6	1	2	3	6	0	0	1
Carlton Twp.	78	0	0	14	4	0	0	5	6	0	0	0
Castleton Twp.	92	0	0	16	4	0	0	4	1	0	0	0
Freeport	4	0	0	0	0	0	0	0	2	0	0	0
Hastings	192	1	1	44	4	0	0	3	14	1	1	2
Hastings Twp.	139	2	2	28	4	1	1	3	6	0	0	2
Hope Twp.	70	0	0	13	6	0	0	5	6	0	0	1
Irving Twp.	73	0	0	11	3	0	0	1	4	0	0	1
Johnstown Twp.	86	1	1	12	3	1	1	1	13	0	0	3
Maple Grove Twp.	69	0	0	3	1	0	0	1	3	0	0	0
Middleville	34	0	0	5	0	0	0	0	2	0	0	0
Nashville	22	0	0	2	0	0	0	0	0	0	0	0
Orangeville Twp.	61	0	0	16	3	0	0	3	15	0	0	5
Prairieville Twp.	115	0	0	9	3	0	0	1	11	0	0	0
Rutland Twp.	149	2	2	24	5	1	1	3	13	1	1	5
Thornapple Twp.	126	0	0	16	8	0	0	2	14	0	0	4
Woodland	1	0	0	0	1	0	0	0	0	0	0	0
Woodland Twp.	89	0	0	17	2	0	0	0	0	0	0	0
Yankee Springs Twp.	89	0	0	27	5	0	0	3	11	0	0	2
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Barry County TOTAL</b>	<b>1,680</b>	<b>8</b>	<b>10</b>	<b>282</b>	<b>71</b>	<b>4</b>	<b>5</b>	<b>41</b>	<b>142</b>	<b>2</b>	<b>2</b>	<b>31</b>

## Restraint use among reported vehicle occupants by municipality

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Assyria Twp.	58	52	89.7	0	0	0.0	0	0	0.0	4	3	75.0	3	2	66.7	50	47	94.0
Baltimore Twp.	78	75	96.2	0	0	0.0	2	2	100.0	2	2	100.0	9	8	88.9	65	63	96.9
Barry Twp.	83	75	90.4	4	1	25.0	0	0	0.0	3	3	100.0	2	2	100.0	70	69	98.6
Carlton Twp.	90	84	93.3	0	0	0.0	1	1	100.0	6	4	66.7	7	6	85.7	75	73	97.3
Castleton Twp.	99	92	92.9	0	0	0.0	2	1	50.0	4	3	75.0	10	7	70.0	83	81	97.6
Freeport	7	6	85.7	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	7	6	85.7
Hastings	340	307	90.3	1	1	100.0	3	3	100.0	14	12	85.7	20	17	85.0	279	274	98.2
Hastings Twp.	170	159	93.5	2	1	50.0	7	3	42.9	9	7	77.8	12	12	100.0	140	136	97.1
Hope Twp.	84	79	94.0	0	0	0.0	1	1	100.0	5	3	60.0	7	7	100.0	70	68	97.1
Irving Twp.	77	76	98.7	0	0	0.0	4	4	100.0	3	3	100.0	3	2	66.7	67	67	100.0
Johnstown Twp.	93	89	95.7	1	0	0.0	1	1	100.0	6	6	100.0	5	5	100.0	78	77	98.7
Maple Grove Twp.	74	73	98.6	0	0	0.0	1	1	100.0	0	0	0.0	2	2	100.0	70	69	98.6
Middleville	60	53	88.3	0	0	0.0	0	0	0.0	1	1	100.0	3	3	100.0	52	49	94.2
Nashville	33	28	84.8	0	0	0.0	0	0	0.0	1	0	0.0	1	1	100.0	31	27	87.1
Orangeville Twp.	72	66	91.7	0	0	0.0	3	1	33.3	2	2	100.0	11	11	100.0	52	52	100.0
Prairieville Twp.	125	116	92.8	0	0	0.0	1	1	100.0	3	3	100.0	5	3	60.0	113	109	96.5
Rutland Twp.	183	174	95.1	2	1	50.0	3	2	66.7	7	6	85.7	13	11	84.6	156	154	98.7
Thornapple Twp.	148	140	94.6	0	0	0.0	2	1	50.0	6	5	83.3	8	8	100.0	131	126	96.2
Woodland	2	1	50.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0
Woodland Twp.	110	106	96.4	0	0	0.0	0	0	0.0	6	6	100.0	11	11	100.0	92	89	96.7
Yankee Springs Twp.	116	108	93.1	0	0	0.0	6	5	83.3	5	3	60.0	16	16	100.0	87	83	95.4
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Barry County TOTAL</b>	<b>2,102</b>	<b>1,959</b>	<b>93.2</b>	<b>10</b>	<b>4</b>	<b>40.0</b>	<b>37</b>	<b>27</b>	<b>73.0</b>	<b>87</b>	<b>72</b>	<b>82.8</b>	<b>148</b>	<b>134</b>	<b>90.5</b>	<b>1,769</b>	<b>1,720</b>	<b>97.2</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	316	0	52	264	0	71
February	298	1	65	232	1	78
March	228	1	50	177	1	64
April	163	3	32	128	3	52
May	208	3	44	161	3	60
June	214	1	45	168	1	55
July	216	0	58	158	0	90
August	233	1	59	173	2	89
September	240	2	58	180	2	91
October	297	1	55	241	1	69
November	269	1	41	227	1	66
December	218	0	36	182	0	45
<b>TOTAL</b>	<b>2,900</b>	<b>14</b>	<b>595</b>	<b>2,291</b>	<b>15</b>	<b>830</b>

In Bay County in 2011 there were:

2,900 crashes

Involving:

5,772 people

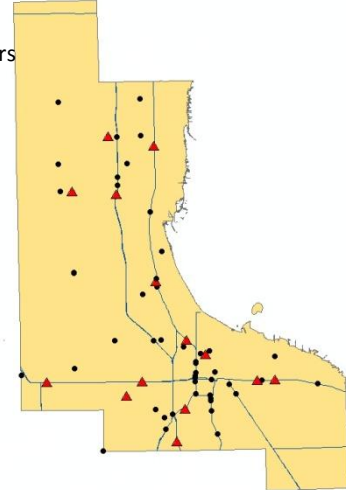
5,714 motor vehicle drivers and passengers

28 bicyclists

26 pedestrians

4 train engineers

Crashes by most severe injury (mapped/actual)  
 ▲ Fatal (14/14)  
 ● Incapacitating (A) (48/48)



## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	20,986	554	5	2.4	90.3
16 - 20	7,140	5,559	712	997.2	1280.8
21 - 64	62,138	58,829	3,224	518.8	548.0
65 +	17,507	15,773	536	306.2	339.8
Other/Unknown	--	--	287	--	--
<b>TOTAL</b>	<b>107,771</b>	<b>80,715</b>	<b>4,764</b>	<b>442.0</b>	<b>590.2</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	3,307	69.4	18	66.7	724	2,565
Van, motorhome	269	5.6	0	0.0	67	202
Pickup truck	787	16.5	4	14.8	150	633
Small truck under 10,000 lbs. GVWR	181	3.8	0	0.0	47	134
Cycle	44	0.9	3	11.1	31	10
Moped	2	0.0	0	0.0	2	0
Go Cart	0	0.0	0	0.0	0	0
Snowmobile	1	0.0	0	0.0	0	1
Off-Road Vehicle (ORV) / All-Terrain Vehicle (ATV)	1	0.0	0	0.0	0	1
Other	21	0.4	1	3.7	4	16
Truck/bus over 10,000 lbs.	92	1.9	1	3.7	9	82
Unknown	59	1.2	0	0.0	3	56
<b>TOTAL</b>	<b>4,764</b>	<b>100.0</b>	<b>27</b>	<b>100.0</b>	<b>1,037</b>	<b>3,700</b>

## Bay County Experience

Bay County experienced the highest number of fatal crashes (3) and the highest number of persons killed (3) in April and May.

Bay County driver statistics indicate 6.9 percent of licensed drivers were age 16-20, and 14.9 percent of drivers in that age group were involved in crashes.

In Bay County, motorcycles accounted for only 0.9 percent of the total vehicles in crashes, but were involved in 11.1 percent of the total fatal crashes.



## Crash Type

	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	1,163	40.1	5	35.7	22	63	125	948
Head On	35	1.2	2	14.3	4	3	10	16
Head On - Left Turn	46	1.6	1	7.1	1	7	11	26
Angle	518	17.9	2	14.3	12	43	81	380
Rear End	626	21.6	3	21.4	4	20	130	469
Rear End - Left Turn	24	0.8	0	0.0	0	2	5	17
Rear End - Right Turn	21	0.7	0	0.0	0	0	3	18
Sideswipe - Same Direction	253	8.7	0	0.0	1	0	16	236
Sideswipe - Opposite Direct	47	1.6	1	7.1	0	0	3	43
Other/Unknown	167	5.8	0	0.0	4	9	16	138
<b>Total</b>	<b>2,900</b>	<b>100.0</b>	<b>14</b>	<b>100.0</b>	<b>48</b>	<b>147</b>	<b>400</b>	<b>2,291</b>

## Relationship to Roadway

Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	2,331	80.4	11	78.6	31	104	317	1,868
Median	9	0.3	0	0.0	0	2	2	5
Shoulder	107	3.7	1	7.1	4	3	16	83
Outside of Shoulder/Curb	366	12.6	2	14.3	12	33	52	267
Gore	3	0.1	0	0.0	0	1	0	2
Other/Unknown	84	2.9	0	0.0	1	4	13	66
<b>Total</b>	<b>2,900</b>	<b>100.0</b>	<b>14</b>	<b>100.0</b>	<b>48</b>	<b>147</b>	<b>400</b>	<b>2,291</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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	22	16	14	17	0	2	4	5	6
21 - 64	127	98	75	96	1	11	18	23	43
65 +	8	9	5	5	0	1	1	1	2
Other/Unknown	22	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>179</b>	<b>123</b>	<b>94</b>	<b>118</b>	<b>1</b>	<b>14</b>	<b>23</b>	<b>29</b>	<b>51</b>

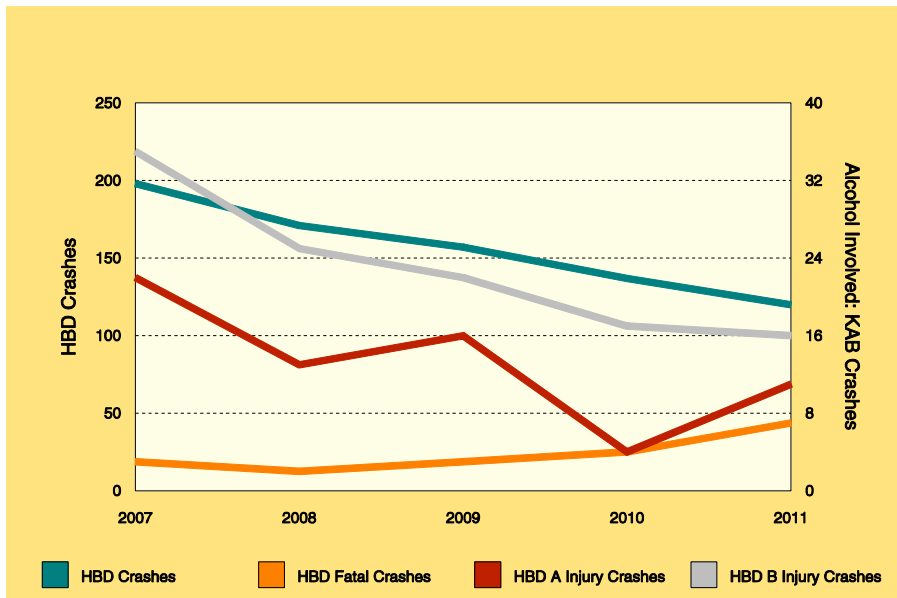
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

BAY	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	3,073	198	6.4	10	3	30.0	63	22	34.9	157	35	22.3
2008	3,115	171	5.5	6	2	33.3	50	13	26.0	160	25	15.6
2009	3,127	157	5.0	10	3	30.0	58	16	27.6	159	22	13.8
2010	2,963	137	4.6	11	4	36.4	39	4	10.3	146	17	11.6
2011	2,900*	120*	4.1	14**	7**	50.0	48	11	22.9	147	16*	10.9

\* Lowest number reported in the 5-year period. \*\* Highest number reported in the 5-year period.

**Restraint use among reported vehicle occupants by vehicle type**

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	3,446	3,222	93.5	8	5	62.5	29	26	89.7	119	107	89.9	399	386	96.7	2,747	2,697	98.2
Van, motorhome	285	261	91.6	0	0	0.0	5	5	100.0	8	8	100.0	40	40	100.0	213	208	97.7
Pickup truck	811	743	91.6	2	0	0.0	8	6	75.0	26	22	84.6	63	60	95.2	670	654	97.6
Small truck under 10,000 lbs. GVWR	195	188	96.4	0	0	0.0	0	0	0.0	12	12	100.0	28	28	100.0	149	148	99.3
Cycle	50	46	92.0	3	2	66.7	7	6	85.7	14	14	100.0	16	15	93.8	10	9	90.0
Moped	2	1	50.0	0	0	0.0	1	1	100.0	1	0	0.0	0	0	0.0	0	0	0.0
Go 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	1	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0
Off-Road Vehicle (ORV) /All-Terrain Vehicle (ATV)	1	1	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0
Other	21	11	52.4	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0	15	11	73.3
Truck/bus over 10,000 lbs.	92	88	95.7	0	0	0.0	0	0	0.0	1	1	100.0	3	3	100.0	86	84	97.7
Uncoded & errors	59	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>TOTAL</b>	<b>4,963</b>	<b>4,561</b>	<b>91.9</b>	<b>13</b>	<b>7</b>	<b>53.8</b>	<b>50</b>	<b>44</b>	<b>88.0</b>	<b>181</b>	<b>164</b>	<b>90.6</b>	<b>550</b>	<b>532</b>	<b>96.7</b>	<b>3,892</b>	<b>3,812</b>	<b>97.9</b>

**Restraint use among reported vehicle occupants by age**

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	43	38	88.4	1	0	0.0	2	2	100.0	9	8	88.9	26	24	92.3	5	4	80.0
16 - 20	745	728	97.7	0	0	0.0	5	5	100.0	28	25	89.3	81	79	97.5	631	619	98.1
21 - 64	3,325	3,237	97.4	10	6	60.0	40	34	85.0	128	115	89.8	368	355	96.5	2,778	2,727	98.2
65 +	563	556	98.8	2	1	50.0	3	3	100.0	16	16	100.0	75	74	98.7	467	462	98.9
Other/Unknown	287	2	0.7	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	11	0	0.0
<b>TOTAL</b>	<b>4,963</b>	<b>4,561</b>	<b>91.9</b>	<b>13</b>	<b>7</b>	<b>53.8</b>	<b>50</b>	<b>44</b>	<b>88.0</b>	<b>181</b>	<b>164</b>	<b>90.6</b>	<b>550</b>	<b>532</b>	<b>96.7</b>	<b>3,892</b>	<b>3,812</b>	<b>97.9</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Auburn	1	1	1	1	0	0	1	0	0
Bangor Twp.	16	9	8	10	0	0	3	4	3
Bay City	67	39	30	34	0	2	7	12	13
Beaver Twp.	2	2	2	2	0	0	1	0	1
Essexville	0	1	0	0	0	0	0	0	0
Frankenlust Twp.	8	8	6	7	0	1	1	2	3
Fraser Twp.	7	7	5	6	0	0	2	1	3
Garfield Twp.	2	4	2	2	0	0	0	1	1
Gibson Twp.	1	1	1	1	0	1	0	0	0
Hampton Twp.	7	4	3	3	0	1	1	0	1
Kawkawlin Twp.	9	5	4	7	0	0	1	2	4
Merritt Twp.	3	3	3	3	0	0	1	2	0
Midland	2	1	1	1	0	0	0	1	0
Monitor Twp.	23	15	13	17	0	4	4	2	7
Mt. Forest Twp.	2	2	2	2	1	0	0	1	0
Pinconning	0	0	0	0	0	0	0	0	0
Pinconning Twp.	11	9	4	7	0	1	0	0	6
Portsmouth Twp.	9	6	5	8	0	3	0	0	5
Williams Twp.	9	6	4	7	0	1	1	1	4
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Bay County TOTAL</b>	<b>179</b>	<b>123</b>	<b>94</b>	<b>118</b>	<b>1</b>	<b>14</b>	<b>23</b>	<b>29</b>	<b>51</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Auburn	30	0	0	3	1	0	0	0	3	0	0	0
Bangor Twp.	248	1	1	46	11	1	1	6	22	0	0	3
Bay City	897	1	1	258	34	0	0	18	34	0	0	7
Beaver Twp.	42	0	0	17	2	0	0	1	9	0	0	3
Essexville	31	0	0	4	0	0	0	0	0	0	0	0
Frankenlust Twp.	231	1	1	65	7	1	1	9	68	0	0	13
Fraser Twp.	113	1	1	40	6	1	1	3	15	0	0	3
Garfield Twp.	48	1	1	13	2	0	0	1	10	0	0	7
Gibson Twp.	26	0	0	0	1	0	0	0	1	0	0	0
Hampton Twp.	167	2	3	43	3	1	2	1	12	0	0	1
Kawkawin Twp.	154	1	1	58	7	0	0	8	24	0	0	7
Merritt Twp.	29	0	0	7	3	0	0	3	3	0	0	0
Midland	10	0	0	4	1	0	0	2	3	0	0	1
Monitor Twp.	433	3	3	139	17	2	2	11	99	1	1	21
Mt. Forest Twp.	39	0	0	10	2	0	0	1	10	0	0	3
Pinconning	8	0	0	5	0	0	0	0	1	0	0	0
Pinconning Twp.	141	2	2	45	7	0	0	2	18	1	1	5
Portsmouth Twp.	71	0	0	27	8	0	0	6	9	0	0	3
Williams Twp.	182	1	1	46	8	1	1	4	41	0	0	5
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Bay County TOTAL</b>	<b>2,900</b>	<b>14</b>	<b>15</b>	<b>830</b>	<b>120</b>	<b>7</b>	<b>8</b>	<b>76</b>	<b>382</b>	<b>2</b>	<b>2</b>	<b>82</b>

## Restraint use among reported vehicle occupants by municipality

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Auburn	54	49	90.7	0	0	0.0	0	0	0.0	2	2	100.0	0	0	0.0	49	47	95.9
Bangor Twp.	458	440	96.1	1	1	100.0	4	4	100.0	9	7	77.8	29	26	89.7	403	402	99.8
Bay City	1,774	1,532	86.4	0	0	0.0	8	7	87.5	40	34	85.0	175	167	95.4	1,357	1,322	97.4
Beaver Twp.	57	54	94.7	0	0	0.0	5	5	100.0	3	3	100.0	9	9	100.0	38	37	97.4
Essexville	60	49	81.7	0	0	0.0	0	0	0.0	0	0	0.0	4	4	100.0	51	45	88.2
Frankenlust Twp.	352	342	97.2	1	0	0.0	2	2	100.0	18	18	100.0	43	43	100.0	280	279	99.6
Fraser Twp.	181	175	96.7	1	0	0.0	2	2	100.0	10	10	100.0	26	26	100.0	138	137	99.3
Garfield Twp.	55	53	96.4	1	1	100.0	1	1	100.0	3	3	100.0	8	8	100.0	42	40	95.2
Gibson Twp.	26	26	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	26	26	100.0
Hampton Twp.	273	251	91.9	3	2	66.7	4	3	75.0	4	4	100.0	33	31	93.9	215	211	98.1
Kawkawlin Twp.	243	228	93.8	0	0	50.0	6	5	83.3	22	18	81.8	30	29	96.7	179	176	98.3
Merritt Twp.	40	40	100.0	0	0	0.0	0	0	0.0	1	1	100.0	6	6	100.0	33	33	100.0
Midland	15	15	100.0	0	0	0.0	1	1	100.0	2	2	100.0	1	1	100.0	11	11	100.0
Monitor Twp.	710	675	95.1	3	1	33.3	5	3	60.0	24	22	91.7	109	108	99.1	551	541	98.2
Mt. Forest Twp.	48	46	95.8	0	0	0.0	3	3	100.0	4	4	100.0	3	3	100.0	37	36	97.3
Pinconning	15	12	80.0	0	0	0.0	0	0	0.0	1	1	100.0	4	4	100.0	9	7	77.8
Pinconning Twp.	234	223	95.3	2	2	100.0	6	6	100.0	10	9	90.0	29	27	93.1	183	179	97.8
Portsmouth Twp.	106	98	92.5	0	0	0.0	2	1	50.0	11	10	90.9	13	13	100.0	79	74	93.7
Williams Twp.	262	253	96.6	1	0	0.0	1	1	100.0	17	16	94.1	28	27	96.4	211	209	99.1
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Bay County TOTAL</b>	<b>4,963</b>	<b>4,561</b>	<b>91.9</b>	<b>13</b>	<b>7</b>	<b>53.8</b>	<b>50</b>	<b>44</b>	<b>88.0</b>	<b>181</b>	<b>164</b>	<b>90.6</b>	<b>550</b>	<b>532</b>	<b>96.7</b>	<b>3,892</b>	<b>3,812</b>	<b>97.9</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	44	0	3	41	0	7
February	39	0	5	34	0	6
March	34	0	2	32	0	3
April	34	0	5	29	0	5
May	36	0	7	29	0	13
June	42	0	8	34	0	8
July	46	0	9	37	0	12
August	37	0	12	25	0	14
September	46	0	7	39	0	10
October	57	0	8	49	0	9
November	56	1	6	49	1	9
December	73	0	8	65	0	12
<b>TOTAL</b>	<b>544</b>	<b>1</b>	<b>80</b>	<b>463</b>	<b>1</b>	<b>108</b>

In Benzie County in 2011 there were:

**544** crashes

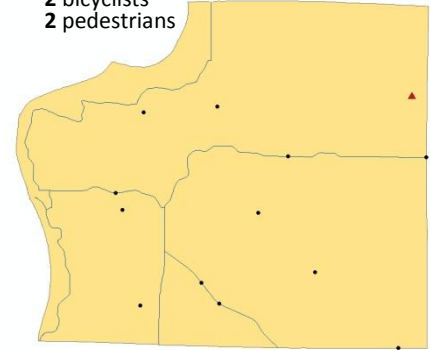
Involving:

**757** people

**753** motor vehicle drivers and passengers

**2** bicyclists

**2** pedestrians



Crashes by most severe injury (mapped/actual)

▲ Fatal (1/1)  
● Incapacitating (A) (12/12)

## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	3,221	92	0	0.0	0.0
16 - 20	955	854	88	921.5	1030.4
21 - 64	9,732	9,576	461	473.7	481.4
65 +	3,617	3,607	105	290.3	291.1
Other/Unknown	--	--	12	--	--
<b>TOTAL</b>	<b>17,525</b>	<b>14,129</b>	<b>666</b>	<b>380.0</b>	<b>471.4</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	460	69.1	1	100.0	82	377
Van, motorhome	48	7.2	0	0.0	6	42
Pickup truck	123	18.5	0	0.0	21	102
Small truck under 10,000 lbs. GVWR	17	2.6	0	0.0	0	17
Cycle	7	1.1	0	0.0	7	0
Moped	0	0.0	0	0.0	0	0
Go Cart	0	0.0	0	0.0	0	0
Snowmobile	1	0.2	0	0.0	1	0
Off-Road Vehicle (ORV) / All-Terrain Vehicle (ATV)	0	0.0	0	0.0	0	0
Other	0	0.0	0	0.0	0	0
Truck/bus over 10,000 lbs.	8	1.2	0	0.0	2	6
Unknown	2	0.3	0	0.0	0	2
<b>TOTAL</b>	<b>666</b>	<b>100.0</b>	<b>1</b>	<b>100.0</b>	<b>119</b>	<b>546</b>

## Benzie County Experience

Benzie County experienced the highest number of fatal crashes (1) and the highest number of persons killed (1) in November.

Benzie County driver statistics indicate 6.0 percent of licensed drivers were age 16-20, and 13.2 percent of drivers in that age group were involved in crashes.

In Benzie County, pickup trucks accounted for 18.5 percent of the total vehicles in crashes, and were involved in 17.6 percent of the total injury crashes.



## Crash Type

	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	424	77.9	1	100.0	6	15	22	380
Head On	9	1.7	0	0.0	3	0	4	2
Head On - Left Turn	7	1.3	0	0.0	1	1	2	3
Angle	34	6.3	0	0.0	1	3	5	25
Rear End	26	4.8	0	0.0	1	0	10	15
Rear End - Left Turn	11	2.0	0	0.0	0	0	3	8
Rear End - Right Turn	1	0.2	0	0.0	0	0	0	1
Sideswipe - Same Direction	16	2.9	0	0.0	0	1	1	14
Sideswipe - Opposite Direct	4	0.7	0	0.0	0	0	0	4
Other/Unknown	12	2.2	0	0.0	0	1	0	11
<b>Total</b>	<b>544</b>	<b>100.0</b>	<b>1</b>	<b>100.0</b>	<b>12</b>	<b>21</b>	<b>47</b>	<b>463</b>

## Relationship to Roadway

Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	417	76.7	0	0.0	8	12	30	367
Median	0	0.0	0	0.0	0	0	0	0
Shoulder	30	5.5	0	0.0	1	2	6	21
Outside of Shoulder/Curb	94	17.3	1	100.0	3	7	11	72
Gore	0	0.0	0	0.0	0	0	0	0
Other/Unknown	3	0.6	0	0.0	0	0	0	3
<b>Total</b>	<b>544</b>	<b>100.0</b>	<b>1</b>	<b>100.0</b>	<b>12</b>	<b>21</b>	<b>47</b>	<b>463</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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	5	19	3	3	0	1	2	0	0
21 - 64	24	94	16	21	0	1	1	6	13
65 +	1	18	0	0	0	0	0	0	0
Other/Unknown	1	1	0	1	0	0	0	0	1
<b>TOTAL</b>	<b>31</b>	<b>132</b>	<b>19</b>	<b>25</b>	<b>0</b>	<b>2</b>	<b>3</b>	<b>6</b>	<b>14</b>

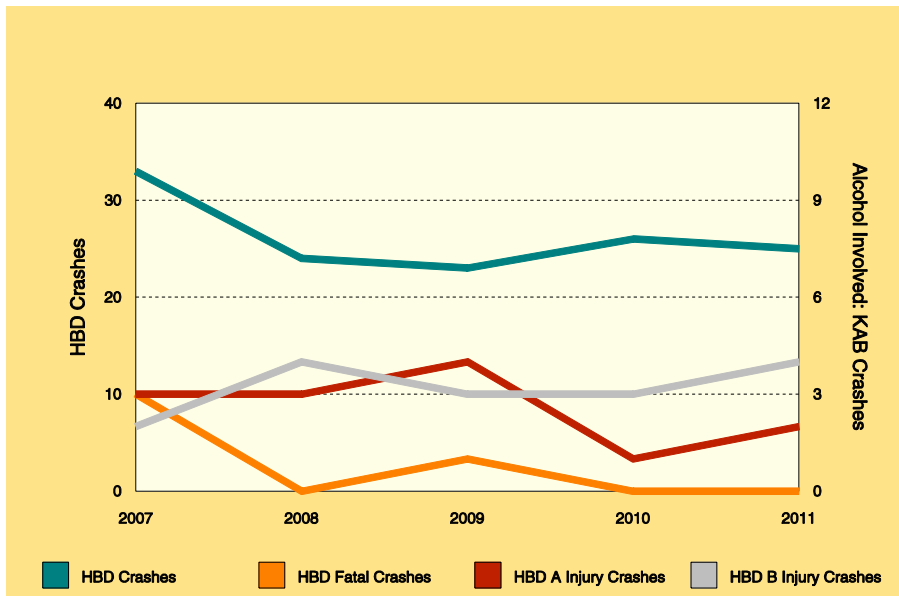
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

BENZIE	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	608	33	5.4	3	3	100.0	10	3	30.0	28	2	7.1
2008	577	24	4.2	6	0	0.0	9	3	33.3	20	4	20.0
2009	597	23	3.9	1	1	100.0	8	4	50.0	19	3	15.8
2010	537	26	4.8	2	0	0.0	6	1	16.7	20	3	15.0
2011	544	25	4.6	1	0	0.0	12*	2	16.7	21	4	19.0

\* Highest number reported in the 5-year period.

**Restraint use among reported vehicle occupants by vehicle type**

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	482	457	94.8	1	1	100.0	12	10	83.3	18	18	100.0	50	44	88.0	397	384	96.7
Van, motorhome	48	47	97.9	0	0	0.0	1	1	100.0	1	1	100.0	0	0	0.0	44	44	100.0
Pickup truck	127	119	93.7	0	0	0.0	2	1	50.0	3	3	100.0	9	9	100.0	111	106	95.5
Small truck under 10,000 lbs. GVWR	17	14	82.4	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	16	14	87.5
Cycle	9	9	100.0	0	0	0.0	1	1	100.0	4	4	100.0	4	4	100.0	0	0	0.0
Moped	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	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	1	1	100.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	0	0	0.0
Off-Road Vehicle (ORV) /All-Terrain Vehicle (ATV)	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Other	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Truck/bus over 10,000 lbs.	8	7	87.5	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	8	7	87.5
Uncoded & errors	2	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>TOTAL</b>	<b>694</b>	<b>654</b>	<b>94.2</b>	<b>1</b>	<b>1</b>	<b>100.0</b>	<b>16</b>	<b>13</b>	<b>81.3</b>	<b>26</b>	<b>26</b>	<b>100.0</b>	<b>64</b>	<b>58</b>	<b>90.6</b>	<b>576</b>	<b>555</b>	<b>96.4</b>

**Restraint use among reported vehicle occupants by age**

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	2	2	100.0	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0	0	0	0.0
16 - 20	97	93	95.9	0	0	0.0	5	5	100.0	5	5	100.0	14	12	85.7	73	71	97.3
21 - 64	473	453	95.8	0	0	0.0	10	8	80.0	20	20	100.0	33	30	90.9	410	395	96.3
65 +	110	106	96.4	1	1	100.0	1	0	0.0	1	1	100.0	15	14	93.3	91	89	97.8
Other/Unknown	12	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	2	0	0.0
<b>TOTAL</b>	<b>694</b>	<b>654</b>	<b>94.2</b>	<b>1</b>	<b>1</b>	<b>100.0</b>	<b>16</b>	<b>13</b>	<b>81.3</b>	<b>26</b>	<b>26</b>	<b>100.0</b>	<b>64</b>	<b>58</b>	<b>90.6</b>	<b>576</b>	<b>555</b>	<b>96.4</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Almira Twp.	3	8	2	3	0	1	1	0	1
Benzonia	2	7	0	1	0	0	0	0	1
Benzonia Twp.	2	27	2	2	0	0	0	2	0
Beulah	1	12	1	1	0	0	0	0	1
Blaine Twp.	1	4	1	1	0	0	1	0	0
Colfax Twp.	0	3	0	0	0	0	0	0	0
Crystal Lake Twp.	2	14	1	1	0	0	0	0	1
Elberta	1	1	1	1	0	0	1	0	0
Frankfort	3	2	2	2	0	0	0	2	0
Gilmore Twp.	0	1	0	0	0	0	0	0	0
Homestead Twp.	7	13	4	6	0	1	0	2	3
Honor	0	7	0	0	0	0	0	0	0
Inland Twp.	2	12	1	2	0	0	0	0	2
Joyfield Twp.	5	7	2	3	0	0	0	0	3
Lake Ann	1	1	1	1	0	0	0	0	1
Lake Twp.	0	5	0	0	0	0	0	0	0
Platte Twp	1	2	1	1	0	0	0	0	1
Thompsonville	0	0	0	0	0	0	0	0	0
Weldon Twp.	0	6	0	0	0	0	0	0	0
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Benzie County TOTAL</b>	<b>31</b>	<b>132</b>	<b>19</b>	<b>25</b>	<b>0</b>	<b>2</b>	<b>3</b>	<b>6</b>	<b>14</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Almira Twp.	46	1	1	7	3	0	0	1	6	0	0	0
Benzonia	20	0	0	1	1	0	0	0	1	0	0	0
Benzonia Twp.	82	0	0	11	2	0	0	1	13	0	0	1
Beulah	26	0	0	3	1	0	0	0	3	0	0	0
Blaine Twp.	18	0	0	4	1	0	0	1	2	0	0	0
Colfax Twp.	16	0	0	6	0	0	0	0	5	0	0	2
Crystal Lake Twp.	37	0	0	9	1	0	0	0	6	0	0	2
Elberta	3	0	0	2	1	0	0	0	0	0	0	0
Frankfort	22	0	0	3	2	0	0	0	2	0	0	0
Gilmore Twp.	9	0	0	4	0	0	0	0	2	0	0	4
Homestead Twp.	74	0	0	15	6	0	0	3	9	0	0	1
Honor	8	0	0	1	0	0	0	0	1	0	0	0
Inland Twp.	56	0	0	14	2	0	0	0	10	0	0	4
Joyfield Twp.	37	0	0	10	3	0	0	3	7	0	0	7
Lake Ann	4	0	0	1	1	0	0	1	1	0	0	1
Lake Twp.	25	0	0	7	0	0	0	0	3	0	0	2
Platte Twp	17	0	0	3	1	0	0	1	2	0	0	1
Thompsonville	2	0	0	0	0	0	0	0	0	0	0	0
Weldon Twp.	42	0	0	7	0	0	0	0	6	0	0	2
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Benzie County TOTAL</b>	<b>544</b>	<b>1</b>	<b>1</b>	<b>108</b>	<b>25</b>	<b>0</b>	<b>0</b>	<b>11</b>	<b>79</b>	<b>0</b>	<b>0</b>	<b>27</b>

Restraint use among reported vehicle occupants by municipality

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Almira Twp.	55	52	94.5	1	1	100.0	0	0	0.0	5	5	100.0	2	2	100.0	46	44	95.7
Benzonia	28	27	96.4	0	0	0.0	0	0	0.0	1	1	100.0	0	0	0.0	26	26	100.0
Benzonia Twp.	97	91	93.8	0	0	0.0	0	0	0.0	3	3	100.0	8	6	75.0	84	81	96.4
Beulah	47	41	87.2	0	0	0.0	0	0	0.0	0	0	0.0	3	2	66.7	43	39	90.7
Blaine Twp.	20	20	100.0	0	0	0.0	0	0	0.0	1	1	100.0	3	3	100.0	16	16	100.0
Colfax Twp.	19	18	94.7	0	0	0.0	1	1	100.0	1	1	100.0	4	4	100.0	13	12	92.3
Crystal Lake Twp.	44	44	100.0	0	0	0.0	4	4	100.0	0	0	0.0	4	4	100.0	36	36	100.0
Elberta	5	3	60.0	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0	2	1	50.0
Frankfort	37	31	83.8	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0	32	29	90.6
Gilmore Twp.	11	10	90.9	0	0	0.0	0	0	0.0	1	1	100.0	3	3	100.0	7	6	85.7
Homestead Twp.	96	93	96.9	0	0	0.0	4	4	100.0	3	3	100.0	8	7	87.5	80	79	98.8
Honor	15	15	100.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	14	14	100.0
Inland Twp.	69	67	97.1	0	0	0.0	1	1	100.0	1	1	100.0	12	11	91.7	55	54	98.2
Joyfield Twp.	46	42	91.3	0	0	0.0	2	2	100.0	2	2	100.0	6	5	83.3	36	33	91.7
Lake Ann	6	5	83.3	0	0	0.0	0	0	0.0	1	1	100.0	0	0	0.0	4	4	100.0
Lake Twp.	28	26	92.9	0	0	0.0	1	0	0.0	2	2	100.0	4	4	100.0	21	20	95.2
Platte Twp	17	16	94.1	0	0	0.0	1	0	0.0	1	1	100.0	1	1	100.0	14	14	100.0
Thompsonville	2	2	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0
Weldon Twp.	52	51	98.1	0	0	0.0	2	1	50.0	4	4	100.0	1	1	100.0	45	45	100.0
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Benzie County TOTAL</b>	<b>694</b>	<b>654</b>	<b>94.2</b>	<b>1</b>	<b>1</b>	<b>100.0</b>	<b>16</b>	<b>13</b>	<b>81.3</b>	<b>26</b>	<b>26</b>	<b>100.0</b>	<b>64</b>	<b>58</b>	<b>90.6</b>	<b>576</b>	<b>555</b>	<b>96.4</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	585	0	81	504	0	108
February	371	3	44	324	3	54
March	225	1	41	183	1	55
April	243	2	48	193	2	62
May	328	1	63	264	1	78
June	309	0	62	247	0	90
July	329	1	87	241	1	129
August	306	3	73	230	3	118
September	312	2	70	240	2	87
October	349	7	65	277	7	94
November	424	0	45	379	0	54
December	417	1	77	339	2	118
<b>TOTAL</b>	<b>4,198</b>	<b>21</b>	<b>756</b>	<b>3,421</b>	<b>22</b>	<b>1,047</b>

In Berrien County in 2011 there were:

**4,198** crashes

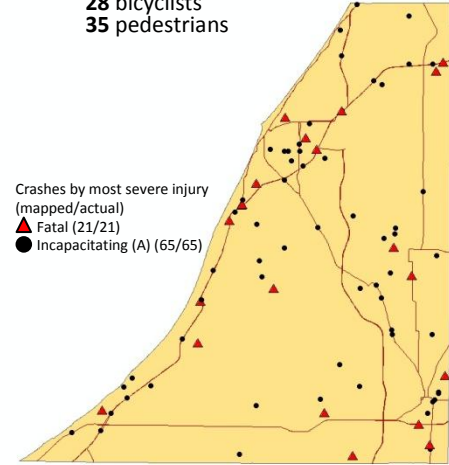
**Involving:**

**7,969** people

**7,906** motor vehicle drivers and passengers

**28** bicyclists

**35** pedestrians



## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	32,175	698	4	1.2	57.3
16 - 20	10,790	7,125	715	662.7	1003.5
21 - 64	88,299	82,757	4,670	528.9	564.3
65 +	25,549	22,906	704	275.5	307.3
Other/Unknown	--	--	390	--	--
<b>TOTAL</b>	<b>156,813</b>	<b>113,486</b>	<b>6,483</b>	<b>413.4</b>	<b>571.3</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	4,746	73.2	19	50.0	940	3,787
Van, motorhome	402	6.2	3	7.9	83	316
Pickup truck	823	12.7	7	18.4	128	688
Small truck under 10,000 lbs. GVWR	63	1.0	0	0.0	10	53
Cycle	53	0.8	3	7.9	40	10
Moped	8	0.1	0	0.0	6	2
Go 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)	1	0.0	0	0.0	1	0
Other	32	0.5	0	0.0	5	27
Truck/bus over 10,000 lbs.	258	4.0	6	15.8	44	208
Unknown	96	1.5	0	0.0	7	89
<b>TOTAL</b>	<b>6,483</b>	<b>100.0</b>	<b>38</b>	<b>100.0</b>	<b>1,265</b>	<b>5,180</b>

## Berrien County Experience

Berrien County experienced the highest number of fatal crashes (7) and the highest number of persons killed (7) in October.

Berrien County driver statistics indicate 6.3 percent of licensed drivers were age 16-20, and 11.0 percent of drivers in that age group were involved in crashes.

In Berrien County, motorcycles accounted for only 0.8 percent of the total vehicles in crashes, but were involved in 7.9 percent of the total fatal crashes.



## Crash Type

	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	1,963	46.8	6	28.6	32	83	176	1,666
Head On	47	1.1	3	14.3	4	3	14	23
Head On - Left Turn	67	1.6	1	4.8	2	4	21	39
Angle	617	14.7	5	23.8	13	34	119	446
Rear End	659	15.7	2	9.5	5	16	100	536
Rear End - Left Turn	47	1.1	1	4.8	2	3	9	32
Rear End - Right Turn	44	1.0	0	0.0	0	0	9	35
Sideswipe - Same Direction	310	7.4	2	9.5	2	3	19	284
Sideswipe - Opposite Direct	86	2.0	0	0.0	0	5	8	73
Other/Unknown	358	8.5	1	4.8	5	14	51	287
<b>Total</b>	<b>4,198</b>	<b>100.0</b>	<b>21</b>	<b>100.0</b>	<b>65</b>	<b>165</b>	<b>526</b>	<b>3,421</b>

## Relationship to Roadway

Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	3,182	75.8	16	76.2	41	101	408	2,616
Median	63	1.5	0	0.0	2	3	7	51
Shoulder	428	10.2	2	9.5	10	24	52	340
Outside of Shoulder/Curb	400	9.5	3	14.3	8	31	48	310
Gore	32	0.8	0	0.0	0	2	3	27
Other/Unknown	93	2.2	0	0.0	4	4	8	77
<b>Total</b>	<b>4,198</b>	<b>100.0</b>	<b>21</b>	<b>100.0</b>	<b>65</b>	<b>165</b>	<b>526</b>	<b>3,421</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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	14	23	10	13	0	5	3	1	4
21 - 64	167	186	108	132	1	14	30	53	34
65 +	10	13	7	7	0	1	3	2	1
Other/Unknown	13	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>204</b>	<b>222</b>	<b>125</b>	<b>152</b>	<b>1</b>	<b>20</b>	<b>36</b>	<b>56</b>	<b>39</b>

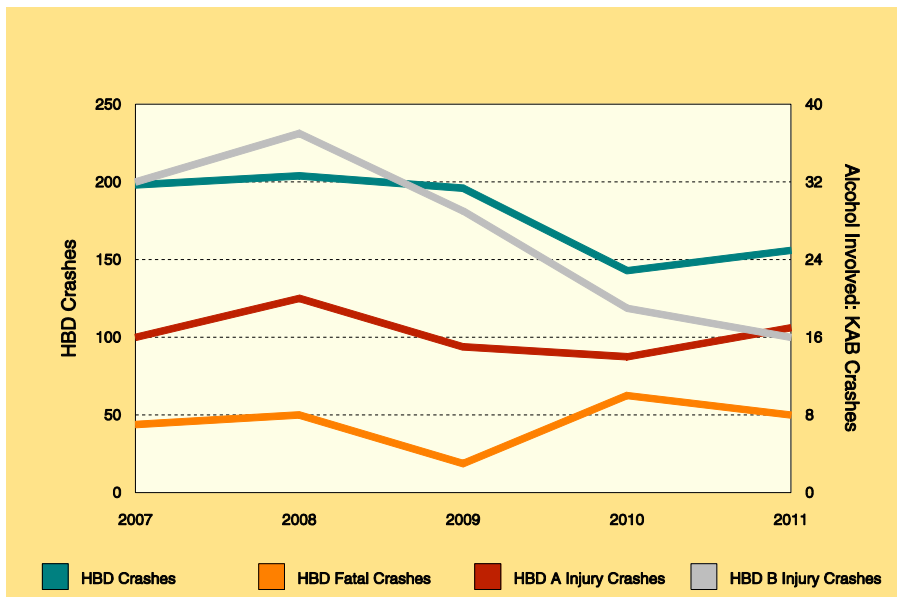
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

BERRIEN	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	5,148	198	3.9	25	7	28.0	122	16	13.1	259	32	12.4
2008	5,711	204	3.6	22	8	36.4	118	20	17.0	263	37	14.1
2009	4,845	196	4.1	15	3	20.0	90	15	16.7	213	29	13.6
2010	4,372	143	3.3	26	10	38.5	84	14	16.7	175	19	10.9
2011	4,198*	156	3.7	21	8	38.1	65*	17	26.2	165*	16*	9.7

\* Lowest number reported in the 5-year period.

**Restraint use among reported vehicle occupants by vehicle type**

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	4,976	4,395	88.3	13	9	69.2	51	39	76.5	155	134	86.5	563	520	92.4	4,002	3,691	92.2
Van, motorhome	427	383	89.7	1	1	100.0	3	2	66.7	19	15	78.9	49	43	87.8	342	322	94.2
Pickup truck	840	731	87.0	2	0	0.0	10	3	30.0	18	14	77.8	47	40	85.1	726	674	92.8
Small truck under 10,000 lbs. GVWR	64	54	84.4	0	0	0.0	0	0	0.0	1	1	100.0	3	3	100.0	53	50	94.3
Cycle	63	60	95.2	3	3	100.0	13	12	92.3	19	18	94.7	17	16	94.1	10	10	100.0
Moped	8	5	62.5	0	0	0.0	1	1	100.0	2	2	100.0	3	0	0.0	2	2	100.0
Go Cart	2	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0	0	0	0.0	1	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)	1	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0	0	0	0.0	0	0	0.0
Other	32	16	50.0	0	0	0.0	1	0	0.0	0	0	0.0	2	0	0.0	21	16	76.2
Truck/bus over 10,000 lbs.	260	238	91.5	1	1	100.0	1	1	100.0	1	1	100.0	12	10	83.3	238	225	94.5
Uncoded & errors	96	2	2.1	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	3	2	66.7
<b>TOTAL</b>	<b>6,769</b>	<b>5,884</b>	<b>86.9</b>	<b>20</b>	<b>14</b>	<b>70.0</b>	<b>80</b>	<b>58</b>	<b>72.5</b>	<b>217</b>	<b>185</b>	<b>85.3</b>	<b>696</b>	<b>632</b>	<b>90.8</b>	<b>5,398</b>	<b>4,992</b>	<b>92.5</b>

**Restraint use among reported vehicle occupants by age**

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	72	65	90.3	1	0	0.0	5	4	80.0	21	19	90.5	43	40	93.0	2	2	100.0
16 - 20	769	692	90.0	2	2	100.0	12	8	66.7	42	31	73.8	77	69	89.6	636	582	91.5
21 - 64	4,816	4,451	92.4	13	9	69.2	51	39	76.5	132	115	87.1	501	456	91.0	4,111	3,831	93.2
65 +	722	670	92.8	4	3	75.0	12	7	58.3	22	20	90.9	75	67	89.3	609	573	94.1
Other/Unknown	390	6	1.5	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	40	4	10.0
<b>TOTAL</b>	<b>6,769</b>	<b>5,884</b>	<b>86.9</b>	<b>20</b>	<b>14</b>	<b>70.0</b>	<b>80</b>	<b>58</b>	<b>72.5</b>	<b>217</b>	<b>185</b>	<b>85.3</b>	<b>696</b>	<b>632</b>	<b>90.8</b>	<b>5,398</b>	<b>4,992</b>	<b>92.5</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Bainbridge Twp.	15	10	8	10	0	2	1	4	3
Baroda	0	0	0	0	0	0	0	0	0
Baroda Twp.	3	7	3	3	0	1	0	2	0
Benton Harbor	10	8	5	5	0	0	1	4	0
Benton Twp.	19	21	12	15	0	2	3	6	4
Berrien Springs	3	3	1	1	0	0	1	0	0
Berrien Twp.	4	5	3	4	0	1	1	1	1
Bertrand Twp.	7	5	3	4	0	0	0	3	1
Bridgman	6	5	4	5	0	0	2	1	2
Buchanan	5	3	1	3	0	0	1	0	2
Buchanan Twp.	5	6	2	5	0	0	0	1	4
Chikaming Twp.	10	9	6	7	0	1	3	0	3
Coloma	0	0	0	0	0	0	0	0	0
Coloma Twp.	5	7	4	4	0	2	1	1	0
Eau Claire	0	1	0	0	0	0	0	0	0
Galien	1	1	1	1	0	1	0	0	0
Galien Twp.	2	1	1	2	0	1	0	0	1
Grand Beach	0	1	0	0	0	0	0	0	0
Hagar Twp.	8	10	7	7	0	1	1	4	1
Lake Twp.	3	7	3	3	0	1	1	1	0
Lincoln Twp.	10	7	5	7	0	0	2	2	3
Michiana	0	0	0	0	0	0	0	0	0
New Buffalo	1	1	1	1	0	0	0	1	0
New Buffalo Twp.	7	8	5	5	0	1	2	2	0
Niles	16	23	9	11	1	0	2	6	2
Niles Twp.	19	19	11	13	0	1	4	5	3
Oronoko Twp.	5	8	5	5	0	2	1	1	1
Pipestone Twp.	0	4	0	0	0	0	0	0	0
Royalton Twp.	3	4	2	2	0	0	0	1	1
St. Joseph	7	7	5	6	0	0	3	2	1
St. Joseph Twp.	8	7	6	6	0	1	1	4	0
Shoreham	1	2	1	1	0	0	0	1	0
Sodus Twp.	4	4	2	3	0	0	2	0	1
Stevensville	0	2	0	0	0	0	0	0	0
Three Oaks	2	1	1	1	0	0	0	0	1
Three Oaks Twp.	2	1	1	2	0	0	0	1	1
Watervliet	2	1	1	1	0	1	0	0	0
Watervliet Twp.	10	8	5	8	0	1	2	2	3
Weesaw Twp.	1	5	1	1	0	0	1	0	0
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Berrien County TOTAL</b>	<b>204</b>	<b>222</b>	<b>125</b>	<b>152</b>	<b>1</b>	<b>20</b>	<b>36</b>	<b>56</b>	<b>39</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Bainbridge Twp.	86	0	0	27	10	0	0	7	16	0	0	1
Baroda	10	0	0	1	0	0	0	0	2	0	0	0
Baroda Twp.	50	1	1	19	3	0	0	2	7	0	0	3
Benton Harbor	185	1	1	31	5	1	1	0	9	0	0	1
Benton Twp.	630	3	3	159	16	1	1	6	92	1	1	20
Berrien Springs	45	0	0	13	2	0	0	1	2	0	0	2
Berrien Twp.	109	1	1	23	4	0	0	3	22	0	0	4
Bertrand Twp.	157	1	1	35	4	0	0	1	27	0	0	3
Bridgman	58	1	1	16	5	0	0	2	16	0	0	3
Buchanan	53	0	0	9	3	0	0	1	4	0	0	0
Buchanan Twp	59	1	1	18	5	0	0	4	11	0	0	2
Chikaming Twp	134	1	1	39	7	1	1	4	29	1	1	3
Coloma	37	0	0	6	0	0	0	0	1	0	0	0
Coloma Twp.	132	0	0	40	4	0	0	3	43	0	0	10
Eau Claire	3	1	1	1	0	0	0	0	1	0	0	0
Galien	3	0	0	1	1	0	0	0	0	0	0	0
Galien Twp.	18	0	0	6	2	0	0	3	2	0	0	3
Grand Beach	12	0	0	1	0	0	0	0	1	0	0	0
Hagar Twp.	107	0	0	34	8	0	0	7	32	0	0	15
Lake Twp.	107	0	0	28	3	0	0	1	20	0	0	3
Lincoln Twp.	240	2	2	71	7	1	1	3	45	0	0	7
Michiana	0	0	0	0	0	0	0	0	0	0	0	0
New Buffalo	50	0	0	13	1	0	0	0	2	0	0	1
New Buffalo Twp.	147	1	1	29	5	0	0	1	33	0	0	9
Niles	278	1	1	69	11	1	1	8	34	1	1	9
Niles Twp.	380	2	3	80	14	0	0	9	46	1	2	6
Oronoko Twp.	143	0	0	39	5	0	0	3	26	0	0	8
Pipestone Twp.	65	0	0	16	0	0	0	0	13	0	0	4
Royalton Twp.	96	0	0	25	2	0	0	0	20	0	0	2
St. Joseph	220	0	0	38	6	0	0	4	15	0	0	0
St. Joseph Twp.	208	1	1	50	6	1	1	3	34	0	0	7
Shoreham	13	0	0	5	1	0	0	1	1	0	0	0
Sodus Twp.	100	0	0	37	3	0	0	2	27	0	0	9
Stevensville	34	1	1	6	0	0	0	0	7	0	0	0
Three Oaks	14	0	0	3	1	0	0	1	0	0	0	0
Three Oaks Twp.	31	0	0	8	2	0	0	0	3	0	0	0
Watervliet	27	0	0	5	1	0	0	0	0	0	0	0
Watervliet Twp.	111	2	2	30	8	2	2	3	28	0	0	5
Weesaw Twp.	46	0	0	16	1	0	0	1	11	0	0	5
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Berrien County TOTAL</b>	<b>4,198</b>	<b>21</b>	<b>22</b>	<b>1,047</b>	<b>156</b>	<b>8</b>	<b>8</b>	<b>84</b>	<b>682</b>	<b>4</b>	<b>5</b>	<b>145</b>

Restraint use among reported vehicle occupants by municipality																		
Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Bainbridge Twp.	117	108	92.3	0	0	0.0	1	0	0.0	17	15	88.2	9	8	88.9	87	85	97.7
Baroda	16	10	62.5	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	11	10	90.9
Baroda Twp.	78	68	87.2	1	1	100.0	3	2	66.7	7	7	100.0	9	8	88.9	54	50	92.6
Benton Harbor	344	174	50.6	1	1	100.0	0	0	33.3	5	3	60.0	17	12	70.6	257	158	61.5
Benton Twp.	1,075	1,003	93.3	3	2	66.7	4	4	100.0	28	25	89.3	115	112	97.4	880	859	97.6
Berrien Springs	84	49	58.3	0	0	0.0	0	0	0.0	1	0	0.0	10	8	80.0	69	41	59.4
Berrien Twp.	136	132	97.1	1	1	100.0	8	7	87.5	3	3	100.0	11	11	100.0	112	110	98.2
Bertrand Twp.	226	209	92.5	1	1	100.0	1	1	100.0	10	8	80.0	24	22	91.7	184	177	96.2
Bridgman	95	86	90.5	1	1	100.0	6	5	83.3	3	2	66.7	7	7	100.0	75	71	94.7
Buchanan	98	79	80.6	0	0	0.0	0	0	0.0	1	1	100.0	8	7	87.5	79	71	89.9
Buchanan Twp.	81	69	85.2	1	1	100.0	4	0	0.0	6	4	66.7	7	7	100.0	60	56	93.3
Chikaming Twp.	202	188	93.1	1	1	100.0	5	4	80.0	8	8	100.0	25	24	96.0	156	151	96.8
Coloma	68	59	86.8	0	0	0.0	0	0	0.0	2	2	100.0	3	3	100.0	58	54	93.1
Coloma Twp.	185	166	89.7	0	0	0.0	5	4	80.0	6	6	100.0	29	28	96.6	135	128	94.8
Eau Claire	7	2	28.6	1	0	0.0	0	0	0.0	1	0	0.0	0	0	0.0	3	2	66.7
Galien	4	3	75.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	3	2	66.7
Galien Twp.	23	22	95.7	0	0	0.0	2	2	100.0	1	1	100.0	3	2	66.7	17	17	100.0
Grand Beach	17	11	64.7	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	13	10	76.9
Hagar Twp.	145	127	87.6	0	0	0.0	4	1	25.0	8	7	87.5	20	17	85.0	111	102	91.9
Lake Twp.	152	143	94.1	0	0	0.0	1	0	0.0	7	7	100.0	20	18	90.0	121	118	97.5
Lincoln Twp.	400	372	93.0	1	0	0.0	5	3	60.0	13	12	92.3	48	46	95.8	319	311	97.5
Michiana	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
New Buffalo	86	69	80.2	0	0	0.0	1	1	100.0	6	6	100.0	5	5	100.0	70	57	81.4
New Buffalo Twp.	212	201	94.8	1	1	100.0	4	4	100.0	7	7	100.0	18	15	83.3	177	174	98.3
Niles	518	421	81.3	1	0	0.0	7	7	100.0	5	4	80.0	53	46	86.8	382	364	95.3
Niles Twp.	598	548	91.6	3	2	66.7	4	3	75.0	22	19	86.4	49	48	98.0	494	476	96.4
Oronoko Twp.	201	117	58.2	0	0	0.0	0	0	0.0	11	5	45.5	28	18	64.3	158	94	59.5
Pipestone Twp.	79	74	93.7	0	0	0.0	4	2	50.0	2	2	100.0	10	10	100.0	61	60	98.4
Royalton Twp.	167	148	88.6	0	0	0.0	4	2	50.0	4	3	75.0	17	15	88.2	134	128	95.5
St. Joseph	416	374	89.9	0	0	0.0	0	0	0.0	5	4	80.0	26	23	88.5	363	347	95.6
St. Joseph Twp.	372	332	89.2	1	0	0.0	1	1	100.0	2	1	50.0	45	43	95.6	315	287	91.1
Shoreham	24	19	79.2	0	0	0.0	0	0	0.0	2	1	50.0	3	3	100.0	17	15	88.2
Sodus Twp.	161	146	90.7	0	0	0.0	2	2	100.0	5	5	100.0	30	23	76.7	121	116	95.9
Stevensville	57	50	87.7	1	1	100.0	0	0	0.0	1	1	100.0	5	5	100.0	46	43	93.5
Three Oaks	25	23	92.0	0	0	0.0	0	0	0.0	0	0	0.0	3	3	100.0	20	20	100.0
Three Oaks Twp.	39	34	87.2	0	0	0.0	0	0	0.0	5	4	80.0	3	2	66.7	29	28	96.6
Watervliet	55	54	98.2	0	0	0.0	0	0	0.0	0	0	0.0	5	5	100.0	50	49	98.0
Watervliet Twp.	150	141	94.0	1	1	100.0	3	2	66.7	7	6	85.7	20	18	90.0	118	114	96.6
Weesaw Twp.	56	53	94.6	0	0	0.0	1	1	100.0	6	6	100.0	9	8	88.9	39	37	94.9
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Berrien County TOTAL</b>	<b>6,769</b>	<b>5,884</b>	<b>86.9</b>	<b>20</b>	<b>14</b>	<b>70.0</b>	<b>80</b>	<b>58</b>	<b>72.5</b>	<b>217</b>	<b>185</b>	<b>85.3</b>	<b>696</b>	<b>632</b>	<b>90.8</b>	<b>5,398</b>	<b>4,992</b>	<b>92.5</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	199	0	18	181	0	26
February	159	0	21	138	0	30
March	98	0	6	92	0	6
April	98	0	11	87	0	15
May	130	0	18	112	0	23
June	134	0	17	117	0	21
July	130	0	17	113	0	28
August	89	2	20	67	2	23
September	116	0	17	99	0	19
October	167	1	19	147	2	29
November	278	0	23	255	0	31
December	167	0	21	146	0	24
<b>TOTAL</b>	<b>1,765</b>	<b>3</b>	<b>208</b>	<b>1,554</b>	<b>4</b>	<b>275</b>

In Branch County in 2011 there were:

1,765 crashes

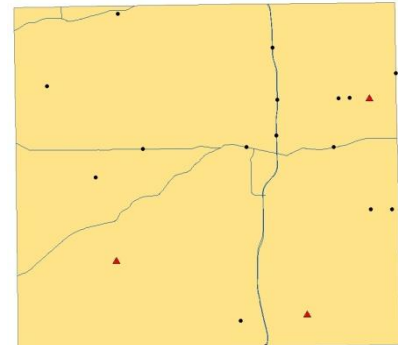
Involving:

2,571 people

2,545 motor vehicle drivers and passengers

8 bicyclists

18 pedestrians



Crashes by most severe injury (mapped/actual)

▲ Fatal (3/3)

● Incapacitating (A) (15/15)

## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	9,533	216	1	1.0	46.3
16 - 20	2,910	1,943	258	886.6	1327.8
21 - 64	26,146	22,105	1,690	646.4	764.5
65 +	6,659	6,038	190	285.3	314.7
Other/Unknown	--	--	58	--	--
<b>TOTAL</b>	<b>45,248</b>	<b>30,302</b>	<b>2,197</b>	<b>485.5</b>	<b>725.0</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	1,554	70.7	3	75.0	205	1,346
Van, motorhome	109	5.0	0	0.0	21	88
Pickup truck	411	18.7	1	25.0	50	360
Small truck under 10,000 lbs. GVWR	26	1.2	0	0.0	7	19
Cycle	11	0.5	0	0.0	9	2
Moped	1	0.0	0	0.0	1	0
Go 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)	0	0.0	0	0.0	0	0
Other	13	0.6	0	0.0	3	10
Truck/bus over 10,000 lbs.	51	2.3	0	0.0	9	42
Unknown	21	1.0	0	0.0	1	20
<b>TOTAL</b>	<b>2,197</b>	<b>100.0</b>	<b>4</b>	<b>100.0</b>	<b>306</b>	<b>1,887</b>

## Branch County Experience

Branch County experienced the highest number of fatal crashes (2) in August and the highest number of persons killed (2) in both August and October.

Branch County driver statistics indicate 6.4 percent of licensed drivers were age 16-20, and 11.7 percent of drivers in that age group were involved in crashes.

In Branch County, pickup trucks accounted for 18.7 percent of the total vehicles in crashes, and were involved in 25.0 percent of the total fatal crashes.



## Crash Type

	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	1,355	76.8	2	66.7	12	57	49	1,235
Head On	8	0.5	0	0.0	1	1	2	4
Head On - Left Turn	15	0.8	0	0.0	0	2	3	10
Angle	125	7.1	0	0.0	0	14	25	86
Rear End	129	7.3	0	0.0	0	4	19	106
Rear End - Left Turn	23	1.3	0	0.0	0	1	5	17
Rear End - Right Turn	11	0.6	0	0.0	0	1	0	10
Sideswipe - Same Direction	49	2.8	1	33.3	0	1	3	44
Sideswipe - Opposite Direct	10	0.6	0	0.0	0	1	0	9
Other/Unknown	40	2.3	0	0.0	2	3	2	33
<b>Total</b>	<b>1,765</b>	<b>100.0</b>	<b>3</b>	<b>100.0</b>	<b>15</b>	<b>85</b>	<b>108</b>	<b>1,554</b>

## Relationship to Roadway

Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	1,449	82.1	2	66.7	6	52	70	1,319
Median	7	0.4	0	0.0	0	1	1	5
Shoulder	88	5.0	0	0.0	1	7	10	70
Outside of Shoulder/Curb	206	11.7	1	33.3	7	24	25	149
Gore	5	0.3	0	0.0	0	0	2	3
Other/Unknown	10	0.6	0	0.0	1	1	0	8
<b>Total</b>	<b>1,765</b>	<b>100.0</b>	<b>3</b>	<b>100.0</b>	<b>15</b>	<b>85</b>	<b>108</b>	<b>1,554</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				Total drivers coded drinking	BAC = 0.00	BAC 0.01 g/dL to 0.07 g/dL	BAC 0.08 g/dL to 0.16 g/dL	BAC 0.17 g/dL and above	BAC not reported
0 - 15	0	0	0	0	0	0	0	0	0
16 - 20	2	6	1	1	1	0	0	0	0
21 - 64	53	54	41	46	1	4	11	10	20
65 +	1	1	0	1	0	0	0	0	1
Other/Unknown	3	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>59</b>	<b>61</b>	<b>42</b>	<b>48</b>	<b>2</b>	<b>4</b>	<b>11</b>	<b>10</b>	<b>21</b>

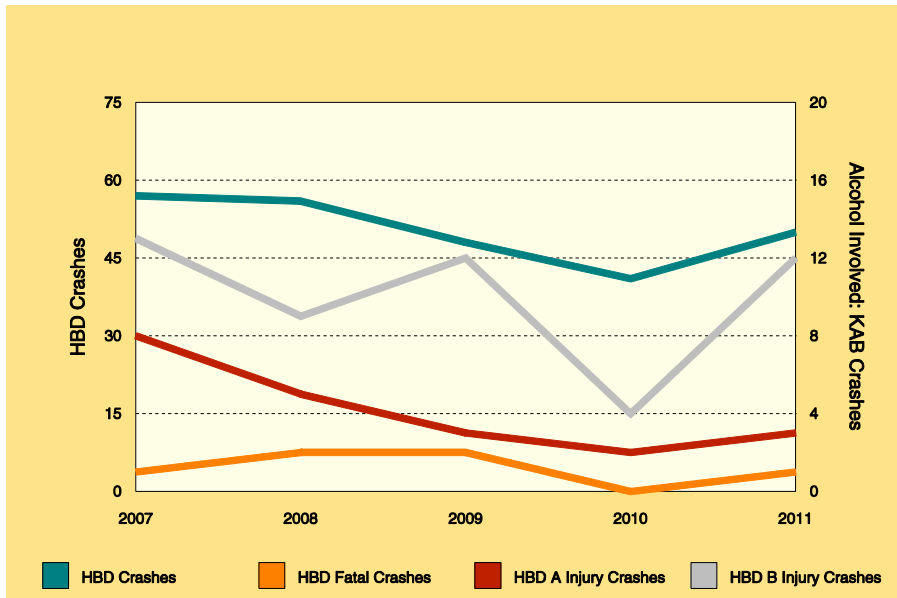
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

BRANCH	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	1,898	57	3.0	8	1	12.5	39	8	20.5	83	13	15.7
2008	1,973	56	2.8	5	2	40.0	31	5	16.1	74	9	12.2
2009	1,829	48	2.6	9	2	22.2	26	3	11.5	67	12	17.9
2010	1,708	41	2.4	4	0	0.0	26	2	7.7	74	4	5.4
2011	1,765	50	2.8	3*	1	33.3	15*	3	20.0	85**	12	14.1

\* Lowest number reported in the 5-year period. \*\* Highest number reported in the 5-year period.

**Restraint use among reported vehicle occupants by vehicle type**

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	1,604	1,503	93.7	3	2	66.7	12	10	83.3	58	56	96.6	112	102	91.1	1,397	1,333	95.4
Van, motorhome	114	109	95.6	0	0	0.0	1	1	100.0	6	6	100.0	9	9	100.0	97	93	95.9
Pickup truck	413	373	90.3	0	0	0.0	2	2	100.0	14	13	92.9	21	21	100.0	364	337	92.6
Small truck under 10,000 lbs. GVWR	26	23	88.5	0	0	0.0	0	0	0.0	2	1	50.0	0	0	0.0	22	22	100.0
Cycle	11	10	90.9	0	0	0.0	2	1	50.0	6	6	100.0	1	1	100.0	2	2	100.0
Moped	1	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0	0	0	0.0
Go 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)	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Other	13	10	76.9	0	0	0.0	0	0	0.0	1	1	100.0	1	1	100.0	11	8	72.7
Truck/bus over 10,000 lbs.	53	47	88.7	0	0	0.0	0	0	0.0	1	1	100.0	4	2	50.0	46	44	95.7
Uncoded & errors	21	7	33.3	0	0	0.0	0	0	0.0	1	1	100.0	0	0	0.0	8	6	75.0
<b>TOTAL</b>	<b>2,256</b>	<b>2,082</b>	<b>92.3</b>	<b>3</b>	<b>2</b>	<b>66.7</b>	<b>17</b>	<b>14</b>	<b>82.4</b>	<b>89</b>	<b>85</b>	<b>95.5</b>	<b>149</b>	<b>136</b>	<b>91.3</b>	<b>1,947</b>	<b>1,845</b>	<b>94.8</b>

**Restraint use among reported vehicle occupants by age**

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	17	15	88.2	1	1	100.0	1	1	100.0	4	4	100.0	10	8	80.0	1	1	100.0
16 - 20	274	259	94.5	1	1	100.0	3	3	100.0	17	16	94.1	25	22	88.0	228	217	95.2
21 - 64	1,713	1,621	94.6	1	0	0.0	13	10	76.9	61	58	95.1	102	95	93.1	1,536	1,458	94.9
65 +	194	187	96.4	0	0	0.0	0	0	0.0	7	7	100.0	12	11	91.7	175	169	96.6
Other/Unknown	58	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	7	0	0.0
<b>TOTAL</b>	<b>2,256</b>	<b>2,082</b>	<b>92.3</b>	<b>3</b>	<b>2</b>	<b>66.7</b>	<b>17</b>	<b>14</b>	<b>82.4</b>	<b>89</b>	<b>85</b>	<b>95.5</b>	<b>149</b>	<b>136</b>	<b>91.3</b>	<b>1,947</b>	<b>1,845</b>	<b>94.8</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Alganssee Twp.	2	4	2	2	0	0	0	0	2
Batavia Twp.	1	2	1	1	0	0	0	0	1
Bethel Twp.	0	2	0	0	0	0	0	0	0
Bronson	3	2	2	2	1	0	1	0	0
Bronson Twp	1	1	1	1	0	0	0	1	0
Butler Twp.	0	1	0	0	0	0	0	0	0
California Twp.	1	1	1	1	0	0	0	0	1
Coldwater	14	11	9	9	0	0	2	2	5
Coldwater Twp.	6	4	4	5	0	0	0	3	2
Gilead Twp.	0	0	0	0	0	0	0	0	0
Girard Twp.	1	2	0	1	0	0	0	0	1
Kinderhook Twp.	3	3	3	3	0	0	2	0	1
Matteson Twp.	2	0	0	1	0	0	0	0	1
Noble Twp.	0	0	0	0	0	0	0	0	0
Ovid Twp.	8	9	5	5	0	0	3	1	1
Quincy	0	0	0	0	0	0	0	0	0
Quincy Twp.	5	8	5	5	0	3	0	1	1
Sherwood	0	0	0	0	0	0	0	0	0
Sherwood Twp.	6	6	4	6	0	0	2	1	3
Union City	1	1	1	1	0	0	0	0	1
Union Twp.	5	4	4	5	1	1	1	1	1
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Branch County TOTAL</b>	<b>59</b>	<b>61</b>	<b>42</b>	<b>48</b>	<b>2</b>	<b>4</b>	<b>11</b>	<b>10</b>	<b>21</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Algansee Twp.	74	0	0	16	2	0	0	1	10	0	0	3
Batavia Twp.	76	0	0	14	1	0	0	1	5	0	0	3
Bethel Twp.	78	1	2	4	0	0	0	0	6	0	0	1
Bronson	32	0	0	11	2	0	0	1	1	0	0	0
Bronson Twp	77	0	0	2	1	0	0	0	2	0	0	1
Butler Twp.	33	1	1	4	0	0	0	0	7	0	0	0
California Twp.	33	1	1	7	1	1	1	0	1	0	0	0
Coldwater	349	0	0	67	10	0	0	5	18	0	0	1
Coldwater Twp.	146	0	0	22	5	0	0	1	15	0	0	4
Gilead Twp.	28	0	0	3	0	0	0	0	0	0	0	0
Girard Twp.	145	0	0	20	1	0	0	1	15	0	0	8
Kinderhook Twp.	54	0	0	6	3	0	0	2	11	0	0	3
Matteson Twp.	96	0	0	10	2	0	0	1	2	0	0	2
Noble Twp.	24	0	0	3	0	0	0	0	2	0	0	1
Ovid Twp.	153	0	0	24	5	0	0	3	12	0	0	3
Quincy	30	0	0	11	0	0	0	0	2	0	0	0
Quincy Twp.	158	0	0	26	5	0	0	6	19	0	0	9
Sherwood	1	0	0	0	0	0	0	0	0	0	0	0
Sherwood Twp.	70	0	0	7	6	0	0	3	7	0	0	2
Union City	20	0	0	5	1	0	0	1	1	0	0	0
Union Twp.	88	0	0	13	5	0	0	4	7	0	0	2
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Branch County TOTAL</b>	<b>1,765</b>	<b>3</b>	<b>4</b>	<b>275</b>	<b>50</b>	<b>1</b>	<b>1</b>	<b>30</b>	<b>143</b>	<b>0</b>	<b>0</b>	<b>43</b>

Restraint use among reported vehicle occupants by municipality																		
Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Algansee Twp.	86	79	91.9	0	0	0.0	2	2	100.0	5	4	80.0	9	9	100.0	70	64	91.4
Batavia Twp.	83	76	91.6	0	0	0.0	1	0	0.0	6	6	100.0	7	7	100.0	67	63	94.0
Bethel Twp.	86	81	94.2	2	2	100.0	2	2	100.0	0	0	0.0	2	2	100.0	80	75	93.8
Bronson	59	50	84.7	0	0	0.0	0	0	0.0	6	6	100.0	5	5	100.0	41	39	95.1
Bronson Twp	81	77	95.1	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0	79	75	94.9
Butler Twp.	37	31	83.8	0	0	0.0	0	0	0.0	1	1	100.0	2	2	100.0	33	28	84.8
California Twp.	39	35	89.7	1	0	0.0	0	0	0.0	1	1	100.0	6	6	100.0	31	28	90.3
Coldwater	627	579	92.3	0	0	0.0	1	1	100.0	23	22	95.7	34	31	91.2	543	525	96.7
Coldwater Twp.	167	158	94.6	0	0	0.0	2	2	100.0	8	8	100.0	11	9	81.8	144	139	96.5
Gilead Twp.	28	23	82.1	0	0	0.0	0	0	0.0	2	2	100.0	1	0	0.0	25	21	84.0
Girard Twp.	159	149	93.7	0	0	0.0	1	1	100.0	5	4	80.0	14	12	85.7	138	132	95.7
Kinderhook Twp.	64	55	85.9	0	0	0.0	2	1	50.0	3	2	66.7	1	1	100.0	56	51	91.1
Matteson Twp.	101	96	95.0	0	0	0.0	1	1	100.0	3	3	100.0	5	5	100.0	92	87	94.6
Noble Twp.	24	20	83.3	0	0	0.0	0	0	0.0	2	2	100.0	1	1	100.0	21	17	81.0
Ovid Twp.	179	168	93.9	0	0	0.0	0	0	0.0	7	7	100.0	17	17	100.0	152	144	94.7
Quincy	52	49	94.2	0	0	0.0	0	0	0.0	1	1	100.0	6	6	100.0	43	42	97.7
Quincy Twp.	183	174	95.1	0	0	0.0	3	2	66.7	6	6	100.0	13	12	92.3	160	154	96.3
Sherwood	1	1	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0
Sherwood Twp.	74	68	91.9	0	0	0.0	1	1	100.0	2	2	100.0	4	3	75.0	66	62	93.9
Union City	34	26	76.5	0	0	0.0	0	0	0.0	2	2	100.0	3	1	33.3	26	23	88.5
Union Twp.	92	87	94.6	0	0	0.0	1	1	100.0	6	6	100.0	6	5	83.3	79	75	94.9
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Branch County TOTAL</b>	<b>2,256</b>	<b>2,082</b>	<b>92.3</b>	<b>3</b>	<b>2</b>	<b>66.7</b>	<b>17</b>	<b>14</b>	<b>82.4</b>	<b>89</b>	<b>85</b>	<b>95.5</b>	<b>149</b>	<b>136</b>	<b>91.3</b>	<b>1,947</b>	<b>1,845</b>	<b>94.8</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	502	2	69	431	2	93
February	488	0	54	434	0	73
March	328	2	46	280	2	65
April	293	2	54	237	3	74
May	322	1	63	258	1	83
June	353	0	65	288	0	84
July	318	0	59	259	0	74
August	289	1	58	230	1	81
September	343	2	56	285	2	79
October	406	1	56	349	1	69
November	621	1	72	548	1	95
December	476	0	56	420	0	72
<b>TOTAL</b>	<b>4,739</b>	<b>12</b>	<b>708</b>	<b>4,019</b>	<b>13</b>	<b>942</b>

In Calhoun County in 2011 there were:  
**4,739** crashes

Involving:

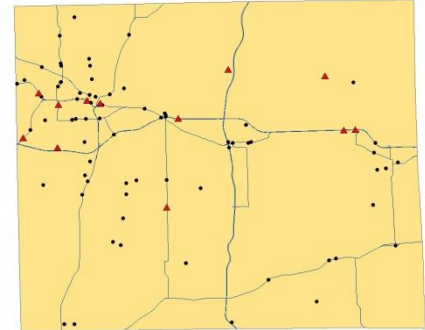
**8,350** people

**8,300** motor vehicle drivers and passengers

**28** bicyclists

**20** pedestrians

**2** train engineers



Crashes by most severe injury (mapped/actual)

▲ Fatal (12/12)

● Incapacitating (A) (72/73)

## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	28,955	607	8	2.8	131.8
16 - 20	10,197	6,291	812	796.3	1290.7
21 - 64	76,885	69,939	5,115	665.3	731.4
65 +	20,109	17,549	632	314.3	360.1
Other/Unknown	--	--	518	--	--
<b>TOTAL</b>	<b>136,146</b>	<b>94,386</b>	<b>7,085</b>	<b>520.4</b>	<b>750.6</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	4,947	69.8	12	63.2	821	4,114
Van, motorhome	406	5.7	1	5.3	61	344
Pickup truck	998	14.1	3	15.8	146	849
Small truck under 10,000 lbs. GVWR	260	3.7	0	0.0	54	206
Cycle	49	0.7	0	0.0	35	14
Moped	14	0.2	0	0.0	10	4
Go 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)	1	0.0	0	0.0	0	1
Other	31	0.4	0	0.0	7	24
Truck/bus over 10,000 lbs.	263	3.7	3	15.8	61	199
Unknown	116	1.6	0	0.0	10	106
<b>TOTAL</b>	<b>7,085</b>	<b>100.0</b>	<b>19</b>	<b>100.0</b>	<b>1,205</b>	<b>5,861</b>

## Calhoun County Experience

Calhoun County experienced the highest number of fatal crashes (2) in January, March, April, and September, and the highest number of persons killed (3) in April.

Calhoun County driver statistics indicate 6.7 percent of licensed drivers were age 16-20, and 11.5 percent of drivers in that age group were involved in crashes. In Calhoun County, trucks/buses over 10,000 lbs. accounted for only 3.7 percent of the total vehicles in crashes, but were involved in 15.8 percent of the total fatal crashes.



## Crash Type

	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	2,498	52.7	7	58.3	34	107	128	2,222
Head On	57	1.2	2	16.7	5	5	10	35
Head On - Left Turn	91	1.9	0	0.0	5	8	25	53
Angle	643	13.6	1	8.3	14	44	105	479
Rear End	748	15.8	2	16.7	7	25	105	609
Rear End - Left Turn	48	1.0	0	0.0	3	2	10	33
Rear End - Right Turn	53	1.1	0	0.0	0	1	4	48
Sideswipe - Same Direction	303	6.4	0	0.0	1	8	22	272
Sideswipe - Opposite Direct	66	1.4	0	0.0	1	2	3	60
Other/Unknown	232	4.9	0	0.0	3	7	14	208
<b>Total</b>	<b>4,739</b>	<b>100.0</b>	<b>12</b>	<b>100.0</b>	<b>73</b>	<b>209</b>	<b>426</b>	<b>4,019</b>

## Relationship to Roadway

Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	3,872	81.7	7	58.3	51	142	326	3,346
Median	29	0.6	0	0.0	0	0	6	23
Shoulder	271	5.7	0	0.0	6	20	26	219
Outside of Shoulder/Curb	456	9.6	5	41.7	15	37	53	346
Gore	6	0.1	0	0.0	0	1	0	5
Other/Unknown	105	2.2	0	0.0	1	9	15	80
<b>Total</b>	<b>4,739</b>	<b>100.0</b>	<b>12</b>	<b>100.0</b>	<b>73</b>	<b>209</b>	<b>426</b>	<b>4,019</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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	22	19	12	15	1	1	4	2	7
21 - 64	219	173	138	169	0	8	28	22	111
65 +	7	6	2	2	0	0	1	0	1
Other/Unknown	16	1	0	1	0	0	0	0	1
<b>TOTAL</b>	<b>264</b>	<b>199</b>	<b>152</b>	<b>187</b>	<b>1</b>	<b>9</b>	<b>33</b>	<b>24</b>	<b>120</b>

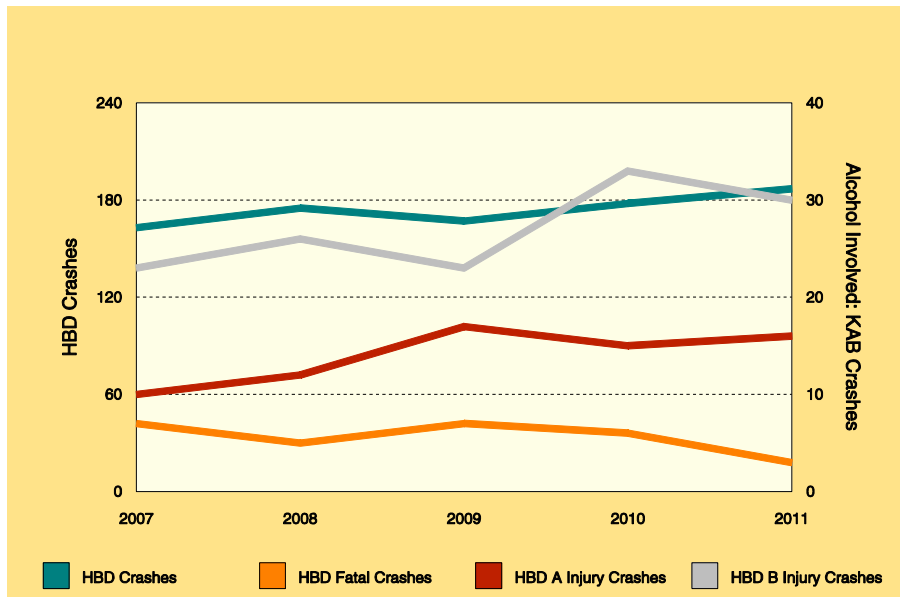
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

CALHOUN	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	5,552	163	2.9	18	7	38.9	68	10	14.7	219	23	10.5
2008	5,579	175	3.1	18	5	27.8	79	12	15.2	206	26	12.6
2009	5,026	167	3.3	17	7	41.2	91	17	18.7	208	23	11.1
2010	4,886	178	3.6	14	6	42.9	73	15	20.6	197	33	16.8
2011	4,739*	187**	3.9	12*	3*	25.0	73	16	21.9	209	30	14.4

\* Lowest number reported in the 5-year period. \*\* Highest number reported in the 5-year period.

**Restraint use among reported vehicle occupants by vehicle type**

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	5,138	4,597	89.5	8	3	37.5	55	36	65.5	182	151	83.0	425	388	91.3	4,208	4,004	95.2
Van, motorhome	428	386	90.2	2	2	100.0	4	4	100.0	10	9	90.0	37	37	100.0	355	333	93.8
Pickup truck	1,015	895	88.2	1	1	100.0	9	6	66.7	26	24	92.3	44	43	97.7	866	818	94.5
Small truck under 10,000 lbs. GVWR	269	231	85.9	0	0	0.0	0	0	0.0	5	5	100.0	25	25	100.0	222	198	89.2
Cycle	56	47	83.9	0	0	0.0	11	11	100.0	15	8	53.3	15	15	100.0	14	13	92.9
Moped	14	7	50.0	0	0	0.0	0	0	0.0	7	3	42.9	2	2	100.0	4	2	50.0
Go 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)	1	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0
Other	33	10	30.3	0	0	0.0	2	0	0.0	3	0	0.0	1	1	100.0	20	9	45.0
Truck/bus over 10,000 lbs.	270	244	90.4	1	0	0.0	0	0	0.0	8	7	87.5	14	7	50.0	240	230	95.8
Uncoded & errors	116	5	4.3	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	6	3	50.0
<b>TOTAL</b>	<b>7,340</b>	<b>6,422</b>	<b>87.5</b>	<b>12</b>	<b>6</b>	<b>50.0</b>	<b>81</b>	<b>57</b>	<b>70.4</b>	<b>256</b>	<b>207</b>	<b>80.9</b>	<b>564</b>	<b>519</b>	<b>92.0</b>	<b>5,936</b>	<b>5,610</b>	<b>94.5</b>

**Restraint use among reported vehicle occupants by age**

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	65	52	80.0	1	1	100.0	3	2	66.7	15	12	80.0	39	32	82.1	7	5	71.4
16 - 20	855	792	92.6	2	0	0.0	13	9	69.2	47	39	83.0	67	63	94.0	722	678	93.9
21 - 64	5,247	4,950	94.3	8	4	50.0	57	40	70.2	170	136	80.0	384	354	92.2	4,608	4,401	95.5
65 +	652	620	95.1	1	1	100.0	8	6	75.0	23	20	87.0	72	68	94.4	545	522	95.8
Other/Unknown	521	8	1.5	0	0	0.0	0	0	0.0	1	0	0.0	2	2	100.0	54	4	7.4
<b>TOTAL</b>	<b>7,340</b>	<b>6,422</b>	<b>87.5</b>	<b>12</b>	<b>6</b>	<b>50.0</b>	<b>81</b>	<b>57</b>	<b>70.4</b>	<b>256</b>	<b>207</b>	<b>80.9</b>	<b>564</b>	<b>519</b>	<b>92.0</b>	<b>5,936</b>	<b>5,610</b>	<b>94.5</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Albion	16	6	6	10	0	1	1	2	6
Albion Twp.	2	1	1	2	0	0	1	0	1
Athens	1	1	0	1	0	0	0	0	1
Athens Twp.	5	5	4	4	0	0	0	2	2
Battle Creek	94	65	48	57	0	1	9	1	46
Bedford Twp.	8	6	6	6	0	0	0	0	6
Burlington	0	0	0	0	0	0	0	0	0
Burlington Twp.	6	3	3	4	0	0	1	0	3
Clarence Twp.	2	0	0	2	0	0	0	0	2
Clarendon Twp.	3	2	2	3	0	0	1	0	2
Convis Twp.	2	3	2	2	0	0	0	1	1
Eckford Twp.	5	4	4	4	1	0	1	2	0
Emmet Twp.	36	26	19	22	0	3	2	5	12
Fredonia Twp.	4	5	3	4	0	0	1	0	3
Homer	0	1	0	0	0	0	0	0	0
Homer Twp.	1	2	1	1	0	0	0	0	1
Lee Twp	3	4	2	3	0	0	1	0	2
Leroy Twp.	10	7	7	9	0	0	2	3	4
Marengo Twp.	7	7	6	6	0	0	2	1	3
Marshall	6	6	4	4	0	0	0	1	3
Marshall Twp.	12	10	9	12	0	1	2	2	7
Newton Twp.	8	8	5	8	0	0	3	1	4
Pennfield Twp.	9	8	7	8	0	1	1	2	4
Sheridan Twp.	4	6	1	3	0	0	0	0	3
Springfield	15	7	7	7	0	1	4	1	1
Tekonsha	0	0	0	0	0	0	0	0	0
Tekonsha Twp.	5	6	5	5	0	1	1	0	3
Union City	0	0	0	0	0	0	0	0	0
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Calhoun County TOTAL</b>	<b>264</b>	<b>199</b>	<b>152</b>	<b>187</b>	<b>1</b>	<b>9</b>	<b>33</b>	<b>24</b>	<b>120</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Albion	123	0	0	20	10	0	0	9	0	0	0	0
Albion Twp.	68	0	0	8	2	0	0	1	0	0	0	0
Athens	16	0	0	2	1	0	0	1	0	0	0	0
Athens Twp.	69	0	0	11	4	0	0	2	0	0	0	0
Battle Creek	1,730	4	4	452	57	1	1	25	0	0	0	0
Bedford Twp.	128	0	0	42	6	0	0	10	0	0	0	0
Burlington	5	0	0	0	0	0	0	0	0	0	0	0
Burlington Twp.	79	0	0	16	4	0	0	1	0	0	0	0
Clarence Twp.	61	0	0	6	2	0	0	2	0	0	0	0
Clarendon Twp.	65	0	0	10	3	0	0	3	0	0	0	0
Convis Twp.	116	1	2	20	2	0	0	0	0	0	0	0
Eckford Twp.	74	0	0	3	4	0	0	0	0	0	0	0
Emmet Twp.	517	1	1	92	21	0	0	10	0	0	0	0
Fredonia Twp.	90	0	0	12	4	0	0	0	0	0	0	0
Homer	20	0	0	1	0	0	0	0	0	0	0	0
Homer Twp.	64	0	0	9	1	0	0	0	0	0	0	0
Lee Twp	63	1	1	6	3	0	0	1	0	0	0	0
Leroy Twp.	133	0	0	23	9	0	0	4	0	0	0	0
Marengo Twp.	165	0	0	17	6	0	0	4	0	0	0	0
Marshall	170	0	0	40	5	0	0	4	0	0	0	0
Marshall Twp.	300	0	0	35	12	0	0	4	0	0	0	0
Newton Twp.	121	1	1	20	8	0	0	1	0	0	0	0
Pennfield Twp.	182	0	0	21	8	0	0	1	0	0	0	0
Sheridan Twp.	143	2	2	26	3	0	0	7	0	0	0	0
Springfield	114	2	2	33	7	2	2	8	0	0	0	0
Tekonsha	7	0	0	1	0	0	0	0	0	0	0	0
Tekonsha Twp.	116	0	0	16	5	0	0	3	0	0	0	0
Union City	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Calhoun County TOTAL</b>	<b>4,739</b>	<b>12</b>	<b>13</b>	<b>942</b>	<b>187</b>	<b>3</b>	<b>3</b>	<b>101</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Restraint use among reported vehicle occupants by municipality

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Albion	218	156	71.6	0	0	0.0	4	2	50.0	3	3	100.0	9	7	77.8	179	144	80.4
Albion Twp.	74	72	97.3	0	0	0.0	1	0	0.0	6	6	100.0	1	1	100.0	65	65	100.0
Athens	28	27	96.4	0	0	0.0	1	1	100.0	0	0	0.0	1	1	100.0	25	25	100.0
Athens Twp.	77	74	96.1	0	0	0.0	2	1	50.0	6	5	83.3	3	3	100.0	65	65	100.0
Battle Creek	3,214	2,759	85.8	3	1	33.3	22	16	72.7	103	85	82.5	300	285	95.0	2,449	2,353	96.1
Bedford Twp.	197	176	89.3	0	0	0.0	7	6	85.7	10	7	70.0	23	22	95.7	143	139	97.2
Burlington	7	4	57.1	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	5	4	80.0
Burlington Twp.	91	87	95.6	0	0	0.0	0	0	0.0	4	4	100.0	12	12	100.0	75	71	94.7
Clarence Twp.	65	61	93.8	0	0	0.0	0	0	0.0	5	3	60.0	1	1	100.0	58	57	98.3
Clarendon Twp.	77	72	93.5	0	0	0.0	4	2	50.0	5	3	60.0	1	1	100.0	67	66	98.5
Convis Twp.	137	131	95.6	2	2	100.0	1	1	100.0	5	5	100.0	14	12	85.7	115	111	96.5
Eckford Twp.	80	77	96.3	0	0	0.0	0	0	0.0	0	0	0.0	3	3	100.0	76	74	97.4
Emmet Twp.	817	741	90.7	1	0	0.0	10	7	70.0	24	16	66.7	55	50	90.9	706	667	94.5
Fredonia Twp.	102	96	94.1	0	0	0.0	1	0	0.0	4	4	100.0	7	5	71.4	88	87	98.9
Homer	28	23	82.1	0	0	0.0	0	0	0.0	1	0	0.0	0	0	0.0	26	23	88.5
Homer Twp.	74	70	94.6	0	0	0.0	1	1	100.0	6	6	100.0	2	2	100.0	64	61	95.3
Lee Twp	68	62	91.2	1	1	100.0	0	0	0.0	3	2	66.7	3	2	66.7	61	57	93.4
Leroy Twp.	156	149	95.5	0	0	0.0	4	3	75.0	8	8	100.0	11	9	81.8	131	129	98.5
Marengo Twp.	202	189	93.6	0	0	0.0	0	0	0.0	9	7	77.8	8	8	100.0	179	174	97.2
Marshall	294	167	56.8	0	0	0.0	2	2	100.0	8	6	75.0	26	19	73.1	221	140	63.3
Marshall Twp.	375	357	95.2	0	0	0.0	2	1	50.0	13	11	84.6	20	19	95.0	332	325	97.9
Newton Twp.	144	132	91.7	1	1	100.0	9	7	77.8	5	4	80.0	6	5	83.3	120	115	95.8
Pennfield Twp.	247	220	89.1	0	0	0.0	1	1	100.0	5	4	80.0	15	11	73.3	222	204	91.9
Sheridan Twp.	193	181	93.8	2	1	50.0	4	3	75.0	11	10	90.9	11	11	100.0	158	156	98.7
Springfield	226	202	89.4	2	0	0.0	3	2	66.7	6	4	66.7	23	22	95.7	178	174	97.8
Tekonsha	13	10	76.9	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	9	9	100.0
Tekonsha Twp.	136	127	93.4	0	0	0.0	2	1	50.0	6	4	66.7	8	7	87.5	119	115	96.6
Union City	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Calhoun County TOTAL</b>	<b>7,340</b>	<b>6,422</b>	<b>87.5</b>	<b>12</b>	<b>6</b>	<b>50.0</b>	<b>81</b>	<b>57</b>	<b>70.4</b>	<b>256</b>	<b>207</b>	<b>80.9</b>	<b>564</b>	<b>519</b>	<b>92.0</b>	<b>5,936</b>	<b>5,610</b>	<b>94.5</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	179	0	21	158	0	29
February	133	1	16	116	1	21
March	95	0	15	80	0	21
April	80	0	15	65	0	22
May	83	0	17	66	0	26
June	96	0	20	76	0	27
July	73	0	16	57	0	27
August	61	0	19	42	0	26
September	73	2	5	66	2	6
October	114	1	11	102	4	19
November	149	0	20	129	0	23
December	119	0	10	109	0	13
<b>TOTAL</b>	<b>1,255</b>	<b>4</b>	<b>185</b>	<b>1,066</b>	<b>7</b>	<b>260</b>

In Cass County in 2011 there were:

1,255 crashes

Involving:

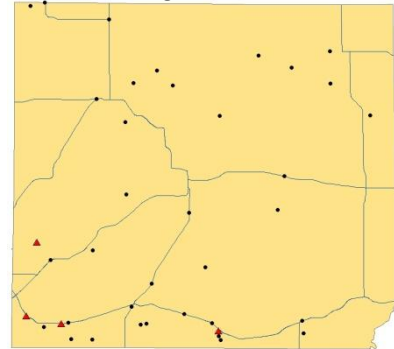
2,076 people

2,069 motor vehicle drivers and passengers

1 bicyclist

5 pedestrians

1 train engineer



Crashes by most severe injury (mapped/actual)

▲ Fatal (4/4)

● Incapacitating (A) (36/36)

## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	10,762	260	5	4.6	192.3
16 - 20	3,453	2,611	239	692.2	915.4
21 - 64	29,723	27,999	1,179	396.7	421.1
65 +	8,355	7,949	163	195.1	205.1
Other/Unknown	--	--	62	--	--
<b>TOTAL</b>	<b>52,293</b>	<b>38,819</b>	<b>1,648</b>	<b>315.1</b>	<b>424.5</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	1,093	66.3	2	28.6	167	924
Van, motorhome	87	5.3	0	0.0	19	68
Pickup truck	342	20.8	2	28.6	57	283
Small truck under 10,000 lbs. GVWR	30	1.8	0	0.0	5	25
Cycle	25	1.5	1	14.3	20	4
Moped	0	0.0	0	0.0	0	0
Go Cart	0	0.0	0	0.0	0	0
Snowmobile	1	0.1	0	0.0	0	1
Off-Road Vehicle (ORV) / All-Terrain Vehicle (ATV)	2	0.1	0	0.0	2	0
Other	5	0.3	0	0.0	1	4
Truck/bus over 10,000 lbs.	41	2.5	2	28.6	6	33
Unknown	22	1.3	0	0.0	5	17
<b>TOTAL</b>	<b>1,648</b>	<b>100.0</b>	<b>7</b>	<b>100.0</b>	<b>282</b>	<b>1,359</b>

## Cass County Experience

Cass County experienced the highest number of fatal crashes (2) in September and the highest number of persons killed (4) in October.

Cass County driver statistics indicate 6.7 percent of licensed drivers were age 16-20, and 14.5 percent of drivers in that age group were involved in crashes.

In Cass County, trucks/buses over 10,000 lbs. accounted for only 2.5 percent of the total vehicles in crashes, but were involved in 28.6 percent of the total fatal crashes.



## Crash Type

	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	871	69.4	1	25.0	20	32	46	772
Head On	15	1.2	2	50.0	2	0	1	10
Head On - Left Turn	13	1.0	0	0.0	1	0	2	10
Angle	116	9.2	0	0.0	3	14	15	84
Rear End	90	7.2	0	0.0	2	4	17	67
Rear End - Left Turn	13	1.0	0	0.0	0	1	1	11
Rear End - Right Turn	13	1.0	0	0.0	0	0	3	10
Sideswipe - Same Direction	47	3.7	0	0.0	2	4	1	40
Sideswipe - Opposite Direct	29	2.3	1	25.0	6	1	2	19
Other/Unknown	48	3.8	0	0.0	0	1	4	43
<b>Total</b>	<b>1,255</b>	<b>100.0</b>	<b>4</b>	<b>100.0</b>	<b>36</b>	<b>57</b>	<b>92</b>	<b>1,066</b>

## Relationship to Roadway

Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	915	72.9	3	75.0	21	34	55	802
Median	5	0.4	0	0.0	0	1	0	4
Shoulder	123	9.8	0	0.0	6	5	14	98
Outside of Shoulder/Curb	197	15.7	1	25.0	9	16	19	152
Gore	6	0.5	0	0.0	0	1	1	4
Other/Unknown	9	0.7	0	0.0	0	0	3	6
<b>Total</b>	<b>1,255</b>	<b>100.0</b>	<b>4</b>	<b>100.0</b>	<b>36</b>	<b>57</b>	<b>92</b>	<b>1,066</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				Total drivers coded drinking	BAC = 0.00	BAC 0.01 g/dL to 0.07 g/dL	BAC 0.08 g/dL to 0.16 g/dL	BAC 0.17 g/dL and above	BAC not reported
0 - 15	0	0	0	0	0	0	0	0	0
16 - 20	2	9	2	2	0	0	0	0	2
21 - 64	67	55	41	54	1	4	7	20	22
65 +	1	2	0	0	0	0	0	0	0
Other/Unknown	5	1	1	2	0	0	0	0	2
<b>TOTAL</b>	<b>75</b>	<b>67</b>	<b>44</b>	<b>58</b>	<b>1</b>	<b>4</b>	<b>7</b>	<b>20</b>	<b>26</b>

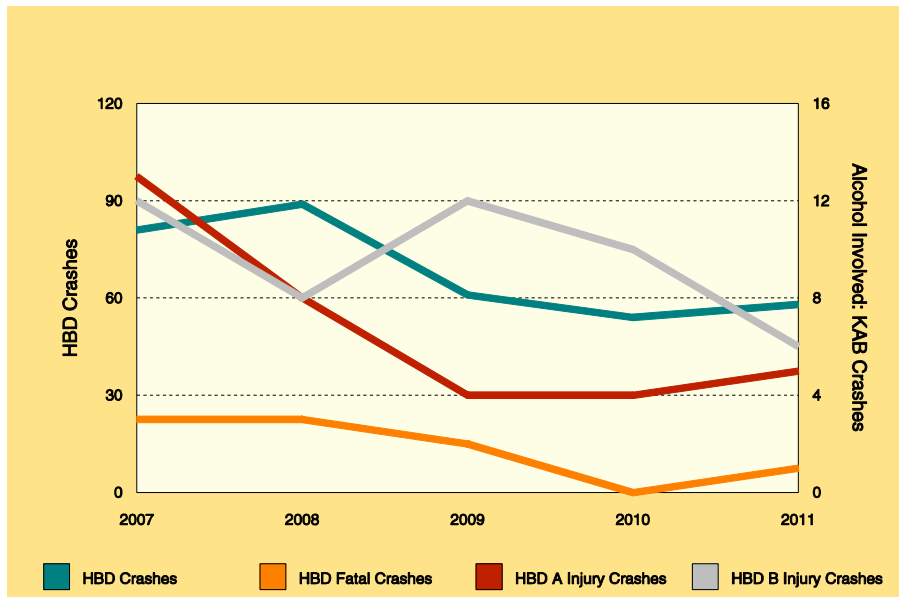
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

CASS	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	1,892	81	4.3	8	3	37.5	55	13	23.6	84	12	14.3
2008	1,895	89	4.7	12	3	25.0	46	8	17.4	67	8	11.9
2009	1,571	61	3.9	7	2	28.6	32	4	12.5	73	12	16.4
2010	1,508	54	3.6	5	0	0.0	39	4	10.3	83	10	12.1
2011	1,255*	58	4.6	4*	1	25.0	36	5	13.9	57*	6*	10.5

\* Lowest number reported in the 5-year period.

**Restraint use among reported vehicle occupants by vehicle type**

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	1,153	1,051	91.2	5	2	40.0	26	20	76.9	45	40	88.9	97	86	88.7	957	903	94.4
Van, motorhome	89	86	96.6	0	0	0.0	1	1	100.0	2	2	100.0	9	9	100.0	76	74	97.4
Pickup truck	349	314	90.0	1	0	0.0	2	0	0.0	17	15	88.2	20	17	85.0	298	282	94.6
Small truck under 10,000 lbs. GVWR	31	27	87.1	0	0	0.0	0	0	0.0	0	0	100.0	6	6	100.0	25	21	84.0
Cycle	29	27	93.1	1	1	100.0	9	8	88.9	12	11	91.7	3	3	100.0	4	4	100.0
Moped	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	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	1	1	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0
Off-Road Vehicle (ORV) /All-Terrain Vehicle (ATV)	2	0	0.0	0	0	0.0	1	0	0.0	0	0	0.0	1	0	0.0	0	0	0.0
Other	5	4	80.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	4	4	100.0
Truck/bus over 10,000 lbs.	42	38	90.5	0	0	0.0	2	0	0.0	0	0	0.0	1	1	100.0	38	37	97.4
Uncoded & errors	22	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>TOTAL</b>	<b>1,723</b>	<b>1,548</b>	<b>89.8</b>	<b>7</b>	<b>3</b>	<b>42.9</b>	<b>41</b>	<b>29</b>	<b>70.7</b>	<b>76</b>	<b>68</b>	<b>89.5</b>	<b>137</b>	<b>122</b>	<b>89.1</b>	<b>1,403</b>	<b>1,326</b>	<b>94.5</b>

**Restraint use among reported vehicle occupants by age**

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	22	19	86.4	1	1	100.0	2	1	50.0	5	5	100.0	10	8	80.0	4	4	100.0
16 - 20	249	232	93.2	0	0	0.0	3	2	66.7	15	15	100.0	35	31	88.6	196	184	93.9
21 - 64	1,221	1,139	93.3	6	2	33.3	32	22	68.8	46	39	84.8	81	73	90.1	1,055	1,003	95.1
65 +	169	158	93.5	0	0	0.0	4	4	100.0	10	9	90.0	11	10	90.9	144	135	93.8
Other/Unknown	62	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	4	0	0.0
<b>TOTAL</b>	<b>1,723</b>	<b>1,548</b>	<b>89.8</b>	<b>7</b>	<b>3</b>	<b>42.9</b>	<b>41</b>	<b>29</b>	<b>70.7</b>	<b>76</b>	<b>68</b>	<b>89.5</b>	<b>137</b>	<b>122</b>	<b>89.1</b>	<b>1,403</b>	<b>1,326</b>	<b>94.5</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers  
in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol- involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Calvin Twp.	2	2	2	2	0	0	0	1	1
Cassopolis	1	1	1	1	0	0	0	1	0
Dowagiac	9	6	5	6	0	1	1	3	1
Edwardsburg	1	2	1	1	0	0	0	1	0
Howard Twp.	10	10	7	8	0	0	0	5	3
Jefferson Twp.	2	2	1	2	0	0	1	0	1
LaGrange Twp.	0	1	0	0	0	0	0	0	0
Marcellus	0	0	0	0	0	0	0	0	0
Marcellus Twp.	1	0	0	1	0	0	0	0	1
Mason Twp.	7	3	3	6	0	0	0	0	6
Milton Twp.	5	7	3	4	0	1	0	2	1
Newberg Twp.	1	1	1	1	0	0	0	1	0
Niles	0	0	0	0	0	0	0	0	0
Ontwa Twp.	18	15	7	9	0	1	3	2	3
Penn Twp.	1	1	1	1	0	0	0	1	0
Pokagon Twp.	4	4	4	4	0	0	0	0	4
Porter Twp.	11	9	6	10	0	1	1	3	5
Silver Creek Twp.	1	2	1	1	1	0	0	0	0
Vandalia	0	0	0	0	0	0	0	0	0
Volinia Twp.	0	0	0	0	0	0	0	0	0
Wayne Twp.	1	1	1	1	0	0	1	0	0
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Cass County TOTAL</b>	<b>75</b>	<b>67</b>	<b>44</b>	<b>58</b>	<b>1</b>	<b>4</b>	<b>7</b>	<b>20</b>	<b>26</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Calvin Twp.	47	0	0	10	2	0	0	1	7	0	0	1
Cassopolis	20	0	0	6	1	0	0	0	2	0	0	1
Dowagiac	113	0	0	16	6	0	0	2	4	0	0	2
Edwardsburg	29	0	0	7	1	0	0	0	2	0	0	1
Howard Twp.	104	1	1	12	8	0	0	2	22	0	0	4
Jefferson Twp.	91	0	0	11	2	0	0	2	11	0	0	3
LaGrange Twp.	78	0	0	13	0	0	0	0	10	0	0	2
Marcellus	6	0	0	1	0	0	0	0	0	0	0	0
Marcellus Twp.	41	0	0	5	1	0	0	0	7	0	0	0
Mason Twp.	37	1	1	16	6	1	1	4	9	0	0	4
Milton Twp.	101	2	5	28	4	0	0	1	20	0	0	0
Newberg Twp.	71	0	0	13	1	0	0	0	8	0	0	1
Niles	0	0	0	0	0	0	0	0	0	0	0	0
Ontwa Twp.	116	0	0	47	9	0	0	4	17	0	0	4
Penn Twp.	56	0	0	5	1	0	0	0	5	0	0	0
Pokagon Twp.	75	0	0	14	4	0	0	3	15	0	0	3
Porter Twp.	107	0	0	24	10	0	0	7	16	0	0	5
Silver Creek Twp.	51	0	0	9	1	0	0	0	4	0	0	1
Vandalia	0	0	0	0	0	0	0	0	0	0	0	0
Volinia Twp.	42	0	0	6	0	0	0	0	6	0	0	3
Wayne Twp.	70	0	0	17	1	0	0	0	12	0	0	4
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Cass County TOTAL</b>	<b>1,255</b>	<b>4</b>	<b>7</b>	<b>260</b>	<b>58</b>	<b>1</b>	<b>1</b>	<b>26</b>	<b>177</b>	<b>0</b>	<b>0</b>	<b>39</b>

Restraint use among reported vehicle occupants by municipality

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Calvin Twp.	60	57	95.0	0	0	0.0	2	2	100.0	1	1	100.0	7	6	85.7	48	48	100.0
Cassopolis	36	31	86.1	0	0	0.0	0	0	0.0	2	1	50.0	4	4	100.0	29	26	89.7
Dowagiac	205	179	87.3	0	0	0.0	2	1	50.0	2	2	100.0	12	10	83.3	176	166	94.3
Edwardsburg	58	38	65.5	0	0	0.0	2	2	100.0	1	1	100.0	4	4	100.0	49	31	63.3
Howard Twp.	145	132	91.0	1	1	100.0	2	2	100.0	2	2	100.0	8	7	87.5	124	120	96.8
Jefferson Twp.	106	104	98.1	0	0	0.0	1	1	100.0	1	1	100.0	8	8	100.0	94	94	100.0
LaGrange Twp.	98	91	92.9	0	0	0.0	2	0	0.0	4	4	100.0	7	7	100.0	82	80	97.6
Marcellus	9	8	88.9	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0	8	8	100.0
Marcellus Twp.	45	45	100.0	0	0	0.0	2	2	100.0	1	1	100.0	1	1	100.0	41	41	100.0
Mason Twp.	55	43	78.2	1	0	0.0	4	0	0.0	3	3	100.0	9	8	88.9	36	32	88.9
Milton Twp.	148	139	93.9	5	2	40.0	7	7	100.0	9	8	88.9	11	10	90.9	114	112	98.2
Newberg Twp.	90	88	97.8	0	0	0.0	1	1	100.0	6	6	100.0	6	6	100.0	75	75	100.0
Niles	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Ontwa Twp.	187	150	80.2	0	0	0.0	3	2	66.7	10	8	80.0	33	29	87.9	133	111	83.5
Penn Twp.	65	62	95.4	0	0	0.0	2	2	100.0	2	2	100.0	1	1	100.0	58	57	98.3
Pokagon Twp.	86	82	95.3	0	0	0.0	0	0	0.0	8	8	100.0	6	5	83.3	71	69	97.2
Porter Twp.	135	117	86.7	0	0	0.0	3	2	66.7	13	11	84.6	7	4	57.1	106	100	94.3
Silver Creek Twp.	61	56	91.8	0	0	0.0	1	0	0.0	1	0	0.0	6	6	100.0	51	50	98.0
Vandalia	0	0	55.6	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Volinia Twp.	52	49	94.2	0	0	0.0	3	2	66.7	1	1	100.0	2	2	100.0	44	44	100.0
Wayne Twp.	82	77	93.9	0	0	0.0	4	3	75.0	9	8	88.9	4	4	100.0	64	62	96.9
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Cass County TOTAL</b>	<b>1,723</b>	<b>1,548</b>	<b>89.8</b>	<b>7</b>	<b>3</b>	<b>42.9</b>	<b>41</b>	<b>29</b>	<b>70.7</b>	<b>76</b>	<b>68</b>	<b>89.5</b>	<b>137</b>	<b>122</b>	<b>89.1</b>	<b>1,403</b>	<b>1,326</b>	<b>94.5</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	110	0	16	94	0	26
February	57	1	6	50	1	9
March	72	0	10	62	0	13
April	46	0	6	40	0	8
May	55	1	11	43	1	12
June	76	0	9	67	0	9
July	84	0	18	66	0	28
August	76	0	22	54	0	31
September	91	0	13	78	0	19
October	96	0	11	85	0	14
November	130	0	11	119	0	13
December	108	0	17	91	0	26
<b>TOTAL</b>	<b>1,001</b>	<b>2</b>	<b>150</b>	<b>849</b>	<b>2</b>	<b>208</b>

In Charlevoix County in 2011 there were:  
1,001 crashes

Involving:

1,559 people

1,553 motor vehicle drivers and passengers

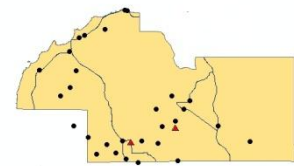
4 bicyclists

2 pedestrians



Crashes by most severe injury (mapped/actual)

- ▲ Fatal (2/2)
- Incapacitating (A) (28/28)



## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	5,013	188	4	8.0	212.8
16 - 20	1,456	1,334	153	1050.8	1146.9
21 - 64	14,647	14,502	944	644.5	650.9
65 +	4,833	4,841	109	225.5	225.2
Other/Unknown	--	--	34	--	--
<b>TOTAL</b>	<b>25,949</b>	<b>20,865</b>	<b>1,244</b>	<b>479.4</b>	<b>596.2</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	903	72.6	1	33.3	144	758
Van, motorhome	58	4.7	0	0.0	15	43
Pickup truck	194	15.6	0	0.0	26	168
Small truck under 10,000 lbs. GVWR	20	1.6	1	33.3	5	14
Cycle	20	1.6	0	0.0	17	3
Moped	1	0.1	0	0.0	1	0
Go Cart	0	0.0	0	0.0	0	0
Snowmobile	5	0.4	0	0.0	5	0
Off-Road Vehicle (ORV) / All-Terrain Vehicle (ATV)	3	0.2	0	0.0	3	0
Other	5	0.4	0	0.0	1	4
Truck/bus over 10,000 lbs.	26	2.1	1	33.3	5	20
Unknown	9	0.7	0	0.0	0	9
<b>TOTAL</b>	<b>1,244</b>	<b>100.0</b>	<b>3</b>	<b>100.0</b>	<b>222</b>	<b>1,019</b>

## Charlevoix County Experience

Charlevoix County experienced the highest number of fatal crashes (1) and the highest number of persons killed (1) in February and May.

Charlevoix County driver statistics indicate 6.4 percent of licensed drivers were age 16-20, and 12.3 percent of drivers in that age group were involved in crashes.

In Charlevoix County, motorcycles accounted for only 1.6 percent of the total vehicles in crashes, but were involved in 7.7 percent of the total injury crashes.



## Crash Type

	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	760	75.9	1	50.0	21	35	25	678
Head On	18	1.8	0	0.0	4	4	3	7
Head On - Left Turn	13	1.3	0	0.0	1	2	5	5
Angle	73	7.3	0	0.0	1	8	15	49
Rear End	55	5.5	0	0.0	0	2	10	43
Rear End - Left Turn	13	1.3	0	0.0	0	3	3	7
Rear End - Right Turn	1	0.1	0	0.0	0	0	0	1
Sideswipe - Same Direction	27	2.7	0	0.0	0	3	0	24
Sideswipe - Opposite Direct	10	1.0	1	50.0	0	0	1	8
Other/Unknown	31	3.1	0	0.0	1	1	2	27
<b>Total</b>	<b>1,001</b>	<b>100.0</b>	<b>2</b>	<b>100.0</b>	<b>28</b>	<b>58</b>	<b>64</b>	<b>849</b>

## Relationship to Roadway

Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	798	79.7	2	100.0	13	32	45	706
Median	1	0.1	0	0.0	0	0	0	1
Shoulder	44	4.4	0	0.0	3	7	2	32
Outside of Shoulder/Curb	133	13.3	0	0.0	8	19	17	89
Gore	10	1.0	0	0.0	3	0	0	7
Other/Unknown	15	1.5	0	0.0	1	0	0	14
<b>Total</b>	<b>1,001</b>	<b>100.0</b>	<b>2</b>	<b>100.0</b>	<b>28</b>	<b>58</b>	<b>64</b>	<b>849</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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	1	0	0	0	0	1
16 - 20	0	2	0	0	0	0	0	0	0
21 - 64	26	32	16	22	0	0	3	2	17
65 +	1	1	1	1	0	0	1	0	0
Other/Unknown	1	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>29</b>	<b>35</b>	<b>17</b>	<b>24</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>2</b>	<b>18</b>

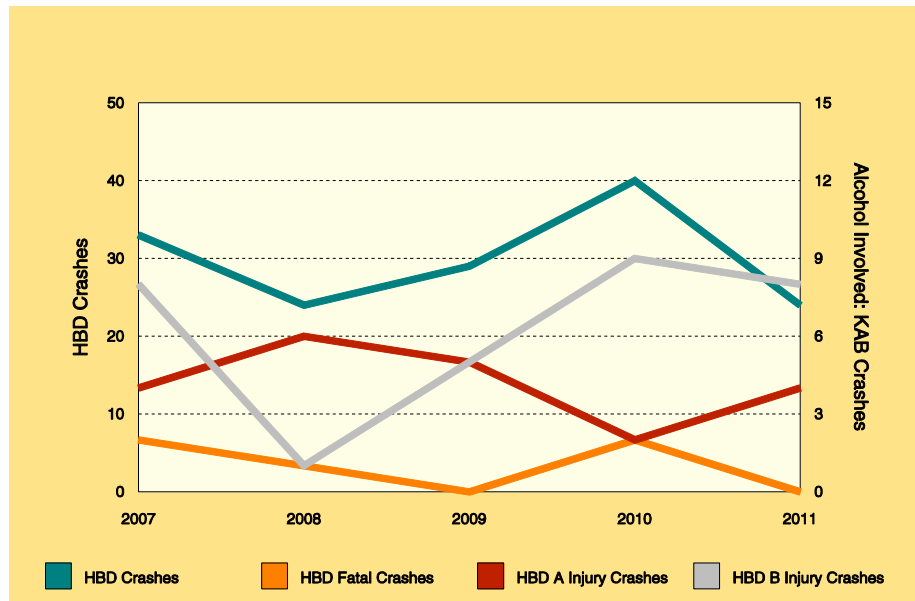
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

CHARLEVOIX	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	1,198	33	2.8	3	2	66.7	15	4	26.7	47	8	17.0
2008	1,044	24	2.3	5	1	20.0	14	6	42.9	45	1	2.2
2009	1,052	29	2.8	1	0	0.0	14	5	35.7	31	5	16.1
2010	1,015	40	3.9	2	2	100.0	14	2	14.3	45	9	20.0
2011	1,001*	24	2.4	2	0	0.0	28**	4	14.3	58**	8	13.8

\* Lowest number reported in the 5-year period. \*\* Highest number reported in the 5-year period.

## Restraint use among reported vehicle occupants by vehicle type

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	954	904	94.8	0	0	0.0	19	16	84.2	55	47	85.5	72	71	98.6	791	769	97.2
Van, motorhome	62	58	93.5	0	0	0.0	1	1	100.0	6	5	83.3	5	5	100.0	47	46	97.9
Pickup truck	200	180	90.0	0	0	0.0	6	3	50.0	4	2	50.0	7	6	85.7	178	169	94.9
Small truck under 10,000 lbs. GVWR	21	19	90.5	1	0	0.0	1	1	100.0	1	0	0.0	2	2	100.0	16	16	100.0
Cycle	20	18	90.0	0	0	0.0	6	6	100.0	10	10	100.0	1	0	0.0	3	2	66.7
Moped	1	1	100.0	0	0	0.0	0	0	0.0	1	1	100.0	0	0	0.0	0	0	0.0
Go 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	5	5	100.0	0	0	0.0	1	1	100.0	1	1	100.0	2	2	100.0	1	1	100.0
Off-Road Vehicle (ORV) /All-Terrain Vehicle (ATV)	4	1	25.0	0	0	0.0	1	1	100.0	2	0	0.0	0	0	0.0	1	0	0.0
Other	5	3	60.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	5	3	60.0
Truck/bus over 10,000 lbs.	26	24	92.3	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	26	24	92.3
Uncoded & errors	9	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>TOTAL</b>	<b>1,307</b>	<b>1,213</b>	<b>92.8</b>	<b>1</b>	<b>0</b>	<b>0.0</b>	<b>35</b>	<b>29</b>	<b>82.9</b>	<b>80</b>	<b>66</b>	<b>82.5</b>	<b>89</b>	<b>86</b>	<b>96.6</b>	<b>1,068</b>	<b>1,030</b>	<b>96.4</b>

## Restraint use among reported vehicle occupants by age

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	25	19	76.0	0	0	0.0	5	2	40.0	14	13	92.9	3	3	100.0	3	1	33.3
16 - 20	162	157	96.9	0	0	0.0	5	5	100.0	14	12	85.7	19	19	100.0	123	120	97.6
21 - 64	972	925	95.2	1	0	0.0	24	21	87.5	44	33	75.0	60	57	95.0	841	813	96.7
65 +	114	112	98.2	0	0	0.0	1	1	100.0	8	8	100.0	7	7	100.0	98	96	98.0
Other/Unknown	34	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	3	0	0.0
<b>TOTAL</b>	<b>1,307</b>	<b>1,213</b>	<b>92.8</b>	<b>1</b>	<b>0</b>	<b>0.0</b>	<b>35</b>	<b>29</b>	<b>82.9</b>	<b>80</b>	<b>66</b>	<b>82.5</b>	<b>89</b>	<b>86</b>	<b>96.6</b>	<b>1,068</b>	<b>1,030</b>	<b>96.4</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Bay Twp.	0	0	0	0	0	0	0	0	0
Boyer City	4	3	2	4	0	0	0	0	4
Boyer Falls	0	1	0	0	0	0	0	0	0
Boyer Valley Twp.	0	1	0	0	0	0	0	0	0
Chandler Twp.	0	0	0	0	0	0	0	0	0
Charlevoix	4	4	2	3	0	0	1	0	2
Charlevoix Twp.	1	3	1	1	0	0	0	1	0
East Jordan	6	4	3	3	0	0	0	0	3
Evangeline Twp.	0	0	0	0	0	0	0	0	0
Eveline Twp.	0	0	0	0	0	0	0	0	0
Hayes Twp.	2	6	2	2	0	0	0	0	2
Hudson Twp.	1	1	0	1	0	0	0	0	1
Marion Twp.	0	0	0	0	0	0	0	0	0
Melrose Twp.	2	2	1	2	0	0	1	0	1
Norwood Twp.	0	0	0	0	0	0	0	0	0
Peaine Twp.	2	0	0	2	0	0	0	0	2
St. James Twp.	0	0	0	0	0	0	0	0	0
South Arm Twp.	3	3	3	3	0	0	0	1	2
Wilson Twp.	4	7	3	3	0	0	2	0	1
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Charlevoix County TOTAL</b>	<b>29</b>	<b>35</b>	<b>17</b>	<b>24</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>2</b>	<b>18</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Bay Twp.	38	0	0	6	0	0	0	0	6	0	0	2
Boyne City	71	0	0	14	4	0	0	1	10	0	0	1
Boyne Falls	10	0	0	5	0	0	0	0	0	0	0	0
Boyne Valley Twp.	71	0	0	11	0	0	0	0	4	0	0	1
Chandler Twp.	8	0	0	1	0	0	0	0	0	0	0	0
Charlevoix	110	0	0	37	3	0	0	1	6	0	0	1
Charlevoix Twp.	31	0	0	8	1	0	0	1	2	0	0	0
East Jordan	32	1	1	7	3	0	0	1	1	0	0	0
Evangeline Twp.	30	0	0	6	0	0	0	0	8	0	0	2
Eveline Twp.	61	0	0	3	0	0	0	0	6	0	0	0
Hayes Twp.	104	0	0	19	2	0	0	2	18	0	0	4
Hudson Twp.	34	0	0	5	1	0	0	0	11	0	0	3
Marion Twp.	78	0	0	9	0	0	0	0	9	0	0	1
Melrose Twp.	77	0	0	17	2	0	0	1	20	0	0	7
Norwood Twp.	74	0	0	8	0	0	0	0	7	0	0	2
Peaine Twp.	5	0	0	2	2	0	0	2	2	0	0	1
St. James Twp.	4	0	0	1	0	0	0	0	1	0	0	1
South Arm Twp.	85	0	0	23	3	0	0	4	12	0	0	6
Wilson Twp.	78	1	1	26	3	0	0	5	25	1	0	15
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Charlevoix County TOTAL</b>	<b>1,001</b>	<b>2</b>	<b>2</b>	<b>208</b>	<b>24</b>	<b>0</b>	<b>0</b>	<b>18</b>	<b>148</b>	<b>1</b>	<b>0</b>	<b>47</b>

**Restraint use among reported vehicle occupants by municipality**

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Bay Twp.	43	41	95.3	0	0	0.0	0	0	0.0	3	3	100.0	3	3	100.0	36	35	97.2
Boyer City	111	83	74.8	0	0	0.0	2	1	50.0	1	0	0.0	10	9	90.0	88	72	81.8
Boyer Falls	19	17	89.5	0	0	0.0	1	1	100.0	0	0	0.0	4	4	100.0	13	12	92.3
Boyer Valley Twp.	89	87	97.8	0	0	0.0	0	0	0.0	7	6	85.7	4	4	100.0	78	77	98.7
Chandler Twp.	8	7	87.5	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	7	6	85.7
Charlevoix	209	188	90.0	0	0	0.0	2	2	100.0	14	13	92.9	21	21	100.0	156	152	97.4
Charlevoix Twp.	44	43	97.7	0	0	0.0	1	1	100.0	2	2	100.0	4	4	100.0	37	36	97.3
East Jordan	53	44	83.0	0	0	0.0	1	0	0.0	2	1	50.0	4	4	100.0	41	38	92.7
Evangeline Twp.	35	35	100.0	0	0	0.0	1	1	100.0	2	2	100.0	3	3	100.0	29	29	100.0
Eveline Twp.	66	66	100.0	0	0	0.0	0	0	0.0	0	0	0.0	3	3	100.0	63	63	100.0
Hayes Twp.	115	108	93.9	0	0	0.0	5	5	100.0	10	7	70.0	3	2	66.7	97	94	96.9
Hudson Twp.	37	36	97.3	0	0	0.0	1	1	100.0	3	3	100.0	1	1	100.0	32	31	96.9
Marion Twp.	85	82	96.5	0	0	0.0	4	2	50.0	3	3	100.0	2	2	100.0	76	75	98.7
Melrose Twp.	102	98	96.1	0	0	0.0	0	0	0.0	6	3	50.0	11	11	100.0	85	84	98.8
Norwood Twp.	81	81	100.0	0	0	0.0	1	1	100.0	2	2	100.0	5	5	100.0	73	73	100.0
Peaine Twp.	7	4	57.1	0	0	0.0	0	0	0.0	1	0	0.0	1	0	0.0	5	4	80.0
St. James Twp.	6	3	50.0	0	0	0.0	1	1	100.0	0	0	0.0	0	0	0.0	4	2	50.0
South Arm Twp.	100	97	97.0	0	0	0.0	4	3	75.0	11	10	90.9	7	7	100.0	78	77	98.7
Wilson Twp.	97	93	95.9	1	0	0.0	11	10	90.9	13	11	84.6	2	2	100.0	70	70	100.0
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Charlevoix County TOTAL</b>	<b>1,307</b>	<b>1,213</b>	<b>92.8</b>	<b>1</b>	<b>0</b>	<b>0.0</b>	<b>35</b>	<b>29</b>	<b>82.9</b>	<b>80</b>	<b>66</b>	<b>82.5</b>	<b>89</b>	<b>86</b>	<b>96.6</b>	<b>1,068</b>	<b>1,030</b>	<b>96.4</b>

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## Crash and Injuries by Month

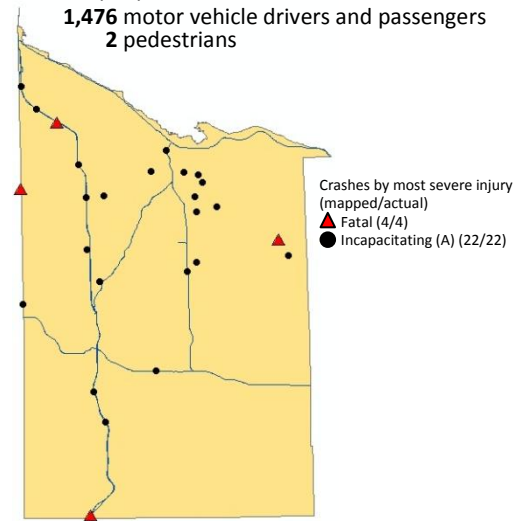
Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	97	0	11	86	0	12
February	65	0	6	59	0	6
March	69	0	9	60	0	13
April	59	0	9	50	0	12
May	58	0	8	50	0	12
June	96	0	10	86	0	11
July	77	1	14	62	1	22
August	57	0	12	45	0	20
September	57	0	13	44	0	14
October	90	0	10	80	0	13
November	138	1	13	124	1	14
December	124	2	15	107	2	26
<b>TOTAL</b>	<b>987</b>	<b>4</b>	<b>130</b>	<b>853</b>	<b>4</b>	<b>175</b>

In Cheboygan County in 2011 there were:  
987 crashes

Involving:

1,478 people

1,476 motor vehicle drivers and passengers  
2 pedestrians



## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	4,601	133	4	8.7	300.8
16 - 20	1,493	1,264	128	857.3	1,012.7
21 - 64	14,437	13,790	872	604.0	632.3
65 +	5,621	5,509	150	266.9	272.3
Other/Unknown	--	--	22	--	--
<b>TOTAL</b>	<b>26,152</b>	<b>20,696</b>	<b>1,176</b>	<b>449.7</b>	<b>568.2</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Cheboygan County Experience

Cheboygan County experienced the highest number of fatal crashes (2) and the highest number of persons killed (2) in December.

Cheboygan County driver statistics indicate 6.1 percent of licensed drivers were age 16-20, and 10.9 percent of drivers in that age group were involved in crashes.



## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	816	69.4	2	40.0	112	702
Van, motorhome	41	3.5	1	20.0	2	38
Pickup truck	254	21.6	0	0.0	36	218
Small truck under 10,000 lbs. GVWR	11	0.9	0	0.0	1	10
Cycle	14	1.2	0	0.0	8	6
Moped	0	0.0	0	0.0	0	0
Go Cart	0	0.0	0	0.0	0	0
Snowmobile	1	0.1	0	0.0	1	0
Off-Road Vehicle (ORV) / All-Terrain Vehicle (ATV)	7	0.6	0	0.0	6	1
Other	4	0.3	0	0.0	0	4
Truck/bus over 10,000 lbs.	20	1.7	2	40.0	6	12
Unknown	8	0.7	0	0.0	0	8
<b>TOTAL</b>	<b>1,176</b>	<b>100.0</b>	<b>5</b>	<b>100.0</b>	<b>172</b>	<b>999</b>

## Crash Type

	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	805	81.6	3	75.0	17	32	44	709
Head On	10	1.0	0	0.0	0	2	1	7
Head On - Left Turn	2	0.2	0	0.0	0	2	0	0
Angle	55	5.6	0	0.0	4	2	8	41
Rear End	55	5.6	1	25.0	0	3	7	44
Rear End - Left Turn	6	0.6	0	0.0	0	1	0	5
Rear End - Right Turn	3	0.3	0	0.0	0	0	0	3
Sideswipe - Same Direction	18	1.8	0	0.0	1	3	0	14
Sideswipe - Opposite Direct	16	1.6	0	0.0	0	2	0	14
Other/Unknown	17	1.7	0	0.0	0	0	1	16
<b>Total</b>	<b>987</b>	<b>100.0</b>	<b>4</b>	<b>100.0</b>	<b>22</b>	<b>47</b>	<b>61</b>	<b>853</b>

## Relationship to Roadway

Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	745	75.5	0	0.0	8	25	26	686
Median	3	0.3	0	0.0	0	0	0	3
Shoulder	47	4.8	1	25.0	3	2	3	38
Outside of Shoulder/Curb	173	17.5	3	75.0	7	19	29	115
Gore	0	0.0	0	0.0	0	0	0	0
Other/Unknown	19	1.9	0	0.0	4	1	3	11
<b>Total</b>	<b>987</b>	<b>100.0</b>	<b>4</b>	<b>100.0</b>	<b>22</b>	<b>47</b>	<b>61</b>	<b>853</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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	5	4	2	2	0	0	0	0	2
21 - 64	33	39	27	33	0	5	4	7	17
65 +	5	5	4	4	0	0	1	0	3
Other/Unknown	2	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>45</b>	<b>48</b>	<b>33</b>	<b>39</b>	<b>0</b>	<b>5</b>	<b>5</b>	<b>7</b>	<b>22</b>

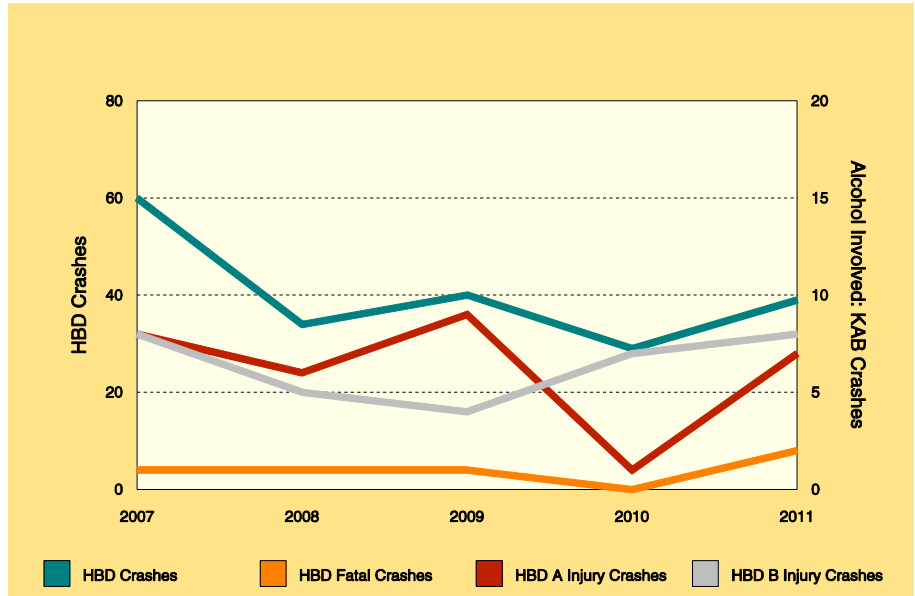
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

CHEBOYGAN	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	1,078	60	5.6	3	1	33.3	31	8	25.8	57	8	14.0
2008	1,020	34	3.3	6	1	16.7	31	6	19.4	49	5	10.2
2009	998	29	2.9	2	0	0.0	18	1	5.6	68	7	10.3
2010	921	31	3.4	6	2	33.3	32	6	18.8	45	7	15.6
2011	987	39	4.0	4	2	50.0	22	7	31.8	47	8	17.0

## Restraint use among reported vehicle occupants by vehicle type

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	861	835	97.0	2	2	100.0	19	16	84.2	41	37	90.2	65	62	95.4	728	718	98.6
Van, motorhome	42	38	90.5	1	0	0.0	1	1	100.0	1	0	0.0	0	0	0.0	39	37	94.9
Pickup truck	263	248	94.3	0	0	0.0	2	2	100.0	8	6	75.0	18	18	100.0	230	222	96.5
Small truck under 10,000 lbs. GVWR	11	11	100.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	10	10	100.0
Cycle	14	14	100.0	0	0	0.0	1	1	100.0	5	5	100.0	1	1	100.0	7	7	100.0
Moped	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	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	1	1	100.0	0	0	0.0	1	1	100.0	0	0	0.0	0	0	0.0	0	0	0.0
Off-Road Vehicle (ORV) /All-Terrain Vehicle (ATV)	8	6	75.0	0	0	0.0	3	1	33.3	0	0	0.0	4	4	100.0	1	1	100.0
Other	4	4	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	4	4	100.0
Truck/bus over 10,000 lbs.	20	19	95.0	1	1	100.0	0	0	0.0	2	2	100.0	2	2	100.0	14	14	100.0
Uncoded & errors	8	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>TOTAL</b>	<b>1,232</b>	<b>1,176</b>	<b>95.5</b>	<b>4</b>	<b>3</b>	<b>75.0</b>	<b>27</b>	<b>22</b>	<b>81.5</b>	<b>57</b>	<b>50</b>	<b>87.7</b>	<b>91</b>	<b>88</b>	<b>96.7</b>	<b>1,033</b>	<b>1,013</b>	<b>98.1</b>

## Restraint use among reported vehicle occupants by age

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	12	11	91.7	0	0	0.0	1	1	100.0	4	3	75.0	5	5	100.0	2	2	100.0
16 - 20	138	134	97.1	0	0	0.0	3	3	100.0	10	9	90.0	14	13	92.9	111	109	98.2
21 - 64	903	878	97.2	4	3	75.0	20	15	75.0	35	32	91.4	59	58	98.3	785	770	98.1
65 +	157	153	97.5	0	0	0.0	3	3	100.0	8	6	75.0	13	12	92.3	133	132	99.2
Other/Unknown	22	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	2	0	0.0
<b>TOTAL</b>	<b>1,232</b>	<b>1,176</b>	<b>95.5</b>	<b>4</b>	<b>3</b>	<b>75.0</b>	<b>27</b>	<b>22</b>	<b>81.5</b>	<b>57</b>	<b>50</b>	<b>87.7</b>	<b>91</b>	<b>88</b>	<b>96.7</b>	<b>1,033</b>	<b>1,013</b>	<b>98.1</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Aloha Twp.	0	2	0	0	0	0	0	0	1
Beaugrand Twp.	1	2	1	1	0	0	0	0	1
Benton Twp.	9	10	9	9	0	0	1	0	2
Burt Twp.	1	0	0	1	0	0	0	0	0
Cheboygan	4	3	3	3	0	0	0	0	2
Ellis Twp.	1	2	1	1	0	0	0	0	1
Forest Twp.	0	1	0	0	0	0	0	0	1
Grant Twp.	2	3	2	2	0	0	0	0	4
Hebron Twp.	0	2	0	0	0	0	0	0	0
Inverness Twp.	6	5	4	4	0	0	0	0	3
Koehler Twp.	4	3	3	3	0	0	1	0	2
Mackinaw City	1	1	1	1	0	0	0	0	0
Mackinaw Twp.	1	1	1	1	0	0	0	0	0
Mentor Twp.	1	1	1	1	0	0	0	0	1
Mullet Twp.	1	1	1	1	0	0	0	0	3
Munro Twp.	3	1	0	3	0	0	0	0	1
Nunda Twp.	1	2	1	1	0	0	0	0	1
Tuscarora Twp.	8	5	4	6	1	0	1	1	2
Walker Twp.	0	0	0	0	0	0	0	0	0
Waverly Twp.	0	0	0	0	0	0	0	0	0
Wilmot Twp.	0	2	0	0	0	0	0	0	2
Wolverine	1	1	1	1	0	0	0	0	0
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Cheboygan County TOTAL</b>	<b>45</b>	<b>48</b>	<b>33</b>	<b>39</b>	<b>1</b>	<b>0</b>	<b>3</b>	<b>1</b>	<b>27</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Aloha Twp.	37	0	0	5	0	0	0	0	8	0	0	0
Beaugrand Twp.	47	0	0	13	1	0	0	1	6	0	0	0
Benton Twp.	72	0	0	18	9	0	0	8	19	0	0	0
Burt Twp.	45	0	0	5	1	0	0	0	7	0	0	0
Cheboygan	93	0	0	10	3	0	0	3	8	0	0	0
Ellis Twp.	36	0	0	9	1	0	0	1	12	0	0	0
Forest Twp.	37	0	0	3	0	0	0	0	5	0	0	0
Grant Twp.	34	1	1	5	2	1	1	1	6	1	0	0
Hebron Twp.	36	1	1	18	0	0	0	0	12	0	0	0
Inverness Twp.	86	0	0	18	4	0	0	3	16	0	0	0
Koehler Twp.	40	0	0	11	3	0	0	3	7	0	0	0
Mackinaw City	17	0	0	4	1	0	0	0	0	0	0	0
Mackinaw Twp.	31	0	0	3	1	0	0	0	8	0	0	0
Mentor Twp.	44	0	0	8	1	0	0	0	13	0	0	0
Mullet Twp.	34	0	0	4	1	0	0	0	4	0	0	0
Munro Twp.	64	1	1	8	3	1	1	0	15	1	0	0
Nunda Twp.	38	0	0	5	1	0	0	0	10	0	0	0
Tuscarora Twp.	127	0	0	19	6	0	0	1	25	0	0	0
Walker Twp.	19	0	0	0	0	0	0	0	1	0	0	0
Waverly Twp.	20	0	0	1	0	0	0	0	2	0	0	0
Wilmot Twp.	26	1	1	5	0	0	0	0	9	1	0	0
Wolverine	4	0	0	3	1	0	0	0	1	0	0	0
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Cheboygan County TOTAL</b>	<b>987</b>	<b>4</b>	<b>4</b>	<b>175</b>	<b>39</b>	<b>2</b>	<b>2</b>	<b>21</b>	<b>194</b>	<b>3</b>	<b>0</b>	<b>0</b>

Restraint use among reported vehicle occupants by municipality

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Aloha Twp.	39	38	97.4	0	0	0.0	2	2	100.0	0	0	0.0	3	3	100.0	34	33	97.1
Beaugrand Twp.	59	58	98.3	0	0	0.0	0	0	0.0	2	2	100.0	11	11	100.0	46	45	97.8
Benton Twp.	81	78	96.3	0	0	0.0	7	4	57.1	7	7	100.0	4	4	100.0	63	63	100.0
Burt Twp.	51	48	94.1	0	0	0.0	1	1	100.0	1	0	0.0	3	3	100.0	45	44	97.8
Cheboygan	159	151	95.0	0	0	0.0	1	1	100.0	4	4	100.0	5	4	80.0	146	142	97.3
Ellis Twp.	41	41	100.0	0	0	0.0	1	1	100.0	6	6	100.0	2	2	100.0	32	32	100.0
Forest Twp.	39	38	97.4	0	0	0.0	0	0	0.0	2	1	50.0	1	1	100.0	36	36	100.0
Grant Twp.	38	34	89.5	1	0	0.0	1	0	0.0	1	1	100.0	3	3	100.0	30	30	100.0
Hebron Twp.	47	47	100.0	1	1	100.0	2	2	100.0	9	9	100.0	7	7	100.0	28	28	100.0
Inverness Twp.	110	106	96.4	0	0	0.0	4	4	100.0	4	4	100.0	10	10	100.0	88	88	100.0
Koehler Twp.	50	43	86.0	0	0	0.0	1	1	100.0	3	0	0.0	7	6	85.7	38	36	94.7
Mackinaw City	34	34	100.0	0	0	0.0	0	0	0.0	1	1	100.0	3	3	100.0	30	30	100.0
Mackinaw Twp.	35	35	100.0	0	0	0.0	0	0	0.0	3	3	100.0	0	0	0.0	32	32	100.0
Mentor Twp.	49	45	91.8	0	0	0.0	1	1	100.0	0	0	0.0	7	7	100.0	39	37	94.9
Mullet Twp.	35	34	97.1	0	0	0.0	1	1	100.0	2	1	50.0	1	1	100.0	31	31	100.0
Munro Twp.	69	68	98.6	1	1	100.0	3	3	100.0	2	1	50.0	3	3	100.0	60	60	100.0
Nunda Twp.	43	39	90.7	0	0	0.0	0	0	0.0	0	0	0.0	5	4	80.0	37	35	94.6
Tuscarora Twp.	176	166	94.3	0	0	0.0	0	0	0.0	7	7	100.0	12	12	100.0	153	147	96.1
Walker Twp.	19	19	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	19	19	100.0
Waverly Twp.	20	20	100.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	19	19	100.0
Wilmot Twp.	32	30	93.8	1	1	100.0	2	1	50.0	1	1	100.0	2	2	100.0	26	25	96.2
Wolverine	6	4	66.7	0	0	0.0	0	0	0.0	2	2	100.0	1	1	100.0	1	1	100.0
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Cheboygan County TOTAL</b>	<b>1,232</b>	<b>1,176</b>	<b>95.5</b>	<b>4</b>	<b>3</b>	<b>75.0</b>	<b>27</b>	<b>22</b>	<b>81.5</b>	<b>57</b>	<b>50</b>	<b>87.7</b>	<b>91</b>	<b>88</b>	<b>96.7</b>	<b>1,033</b>	<b>1,013</b>	<b>98.1</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	136	1	18	117	1	24
February	82	1	11	70	1	14
March	52	0	12	40	0	18
April	68	0	11	57	0	14
May	60	0	13	47	0	23
June	83	1	11	71	1	12
July	85	0	11	74	0	13
August	80	0	18	62	0	22
September	69	0	9	60	0	12
October	87	1	11	75	1	14
November	126	0	17	109	0	20
December	118	0	18	100	0	24
<b>TOTAL</b>	<b>1,046</b>	<b>4</b>	<b>160</b>	<b>882</b>	<b>4</b>	<b>210</b>

In Chippewa County in 2011 there were:

**1,046** crashes

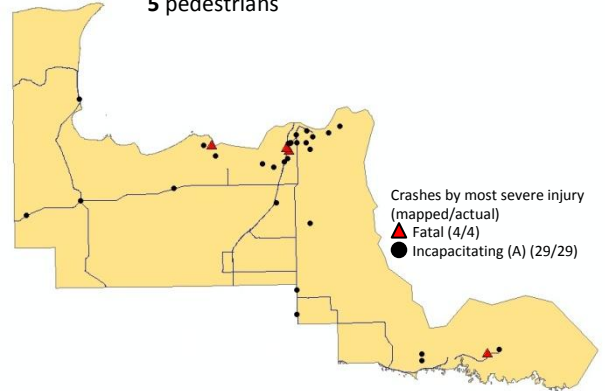
**Involving:**

**1,724** people

**1,715** motor vehicle drivers and passengers

**4** bicyclists

**5** pedestrians



## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	6,862	127	7	10.2	551.2
16 - 20	2,668	1,702	158	592.2	928.3
21 - 64	23,363	17,836	999	427.6	560.1
65 +	5,627	5,129	173	307.4	337.3
Other/Unknown	--	--	101	--	--
<b>TOTAL</b>	<b>38,520</b>	<b>24,794</b>	<b>1,438</b>	<b>373.3</b>	<b>580.0</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Chippewa County Experience

Chippewa County experienced the highest number of fatal crashes (1), and the highest number of persons killed (1) in January, February, June, and October.

Chippewa County driver statistics indicate 6.9 percent of licensed drivers were age 16-20, and 11.0 percent of drivers in that age group were involved in crashes.



## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	944	65.6	3	60.0	148	793
Van, motorhome	87	6.1	0	0.0	12	75
Pickup truck	265	18.4	1	20.0	36	228
Small truck under 10,000 lbs. GVWR	61	4.2	0	0.0	9	52
Cycle	17	1.2	0	0.0	11	6
Moped	0	0.0	0	0.0	0	0
Go Cart	0	0.0	0	0.0	0	0
Snowmobile	5	0.3	0	0.0	2	3
Off-Road Vehicle (ORV) / All-Terrain Vehicle (ATV)	8	0.6	1	20.0	7	0
Other	3	0.2	0	0.0	1	2
Truck/bus over 10,000 lbs.	20	1.4	0	0.0	2	18
Unknown	28	1.9	0	0.0	0	28
<b>TOTAL</b>	<b>1,438</b>	<b>100.0</b>	<b>5</b>	<b>100.0</b>	<b>228</b>	<b>1,205</b>

## Crash Type

	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	656	62.7	3	75.0	18	26	48	561
Head On	13	1.2	1	25.0	1	2	1	8
Head On - Left Turn	10	1.0	0	0.0	1	1	0	8
Angle	116	11.1	0	0.0	4	7	12	93
Rear End	119	11.4	0	0.0	1	2	25	91
Rear End - Left Turn	2	0.2	0	0.0	0	0	0	2
Rear End - Right Turn	1	0.1	0	0.0	0	0	0	1
Sideswipe - Same Direction	44	4.2	0	0.0	1	1	0	42
Sideswipe - Opposite Direct	14	1.3	0	0.0	1	0	1	12
Other/Unknown	71	6.8	0	0.0	2	2	3	64
<b>Total</b>	<b>1,046</b>	<b>100.0</b>	<b>4</b>	<b>100.0</b>	<b>29</b>	<b>41</b>	<b>90</b>	<b>882</b>

## Relationship to Roadway

Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	786	75.1	2	50.0	14	20	54	696
Median	5	0.5	0	0.0	0	0	2	3
Shoulder	63	6.0	0	0.0	5	7	10	41
Outside of Shoulder/Curb	158	15.1	2	50.0	7	11	21	117
Gore	20	1.9	0	0.0	2	3	2	13
Other/Unknown	14	1.3	0	0.0	1	0	1	12
<b>Total</b>	<b>1,046</b>	<b>100.0</b>	<b>4</b>	<b>100.0</b>	<b>29</b>	<b>41</b>	<b>90</b>	<b>882</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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	10	6	7	0	1	4	0	2
21 - 64	48	48	31	42	0	2	7	7	26
65 +	4	7	4	4	0	1	1	1	1
Other/Unknown	5	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>66</b>	<b>65</b>	<b>41</b>	<b>53</b>	<b>0</b>	<b>4</b>	<b>12</b>	<b>8</b>	<b>29</b>

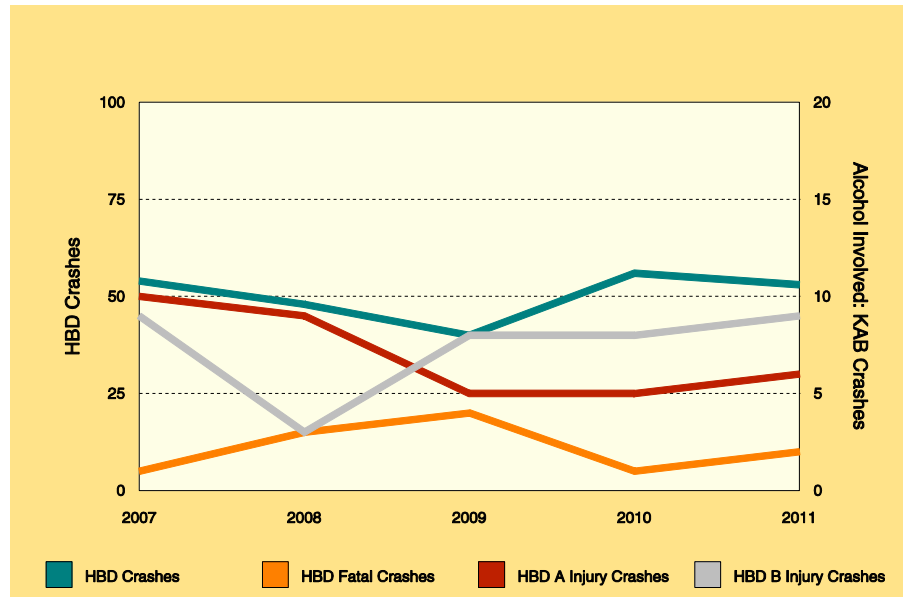
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

CHIPPEWA	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	1,256	54	4.3	4	1	25.0	33	10	30.3	68	9	13.2
2008	1,197	48	4.0	6	3	50.0	23	9	39.1	46	3	6.5
2009	1,071	40	3.7	5	4	80.0	29	5	17.2	42	8	19.1
2010	1,026	56	5.5	7	1	14.3	17	5	29.4	48	8	16.7
2011	1,046	53	5.1	4	2	50.0	29	6	20.7	41*	9	22.0

\* Lowest number reported in the 5-year period.

**Restraint use among reported vehicle occupants by vehicle type**

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	980	837	85.4	2	1	50.0	21	14	66.7	28	23	82.1	79	73	92.4	802	726	90.5
Van, motorhome	90	81	90.0	0	0	0.0	1	1	100.0	5	4	80.0	3	3	100.0	80	73	91.3
Pickup truck	276	251	90.9	1	0	0.0	10	10	100.0	7	4	57.1	14	14	100.0	234	223	95.3
Small truck under 10,000 lbs. GVWR	63	48	76.2	0	0	0.0	1	1	100.0	0	0	0.0	5	4	80.0	54	43	79.6
Cycle	19	15	78.9	0	0	0.0	3	2	66.7	4	4	100.0	5	4	80.0	7	5	71.4
Moped	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	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	6	6	100.0	0	0	0.0	0	0	0.0	1	1	100.0	2	2	100.0	3	3	100.0
Off-Road Vehicle (ORV) /All-Terrain Vehicle (ATV)	10	7	70.0	1	1	100.0	1	1	100.0	4	2	50.0	3	2	66.7	1	1	100.0
Other	5	2	40.0	0	0	0.0	0	0	0.0	0	0	0.0	3	1	33.3	2	1	50.0
Truck/bus over 10,000 lbs.	20	20	100.0	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0	18	18	100.0
Uncoded & errors	28	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0
<b>TOTAL</b>	<b>1,497</b>	<b>1,267</b>	<b>84.6</b>	<b>4</b>	<b>2</b>	<b>50.0</b>	<b>37</b>	<b>29</b>	<b>78.4</b>	<b>49</b>	<b>38</b>	<b>77.6</b>	<b>116</b>	<b>105</b>	<b>90.5</b>	<b>1,202</b>	<b>1,093</b>	<b>90.9</b>

**Restraint use among reported vehicle occupants by age**

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	20	18	90.0	0	0	0.0	2	2	100.0	4	3	75.0	9	9	100.0	5	4	80.0
16 - 20	168	149	88.7	1	0	0.0	1	0	0.0	14	9	64.3	17	13	76.5	135	127	94.1
21 - 64	1,030	931	90.4	2	1	50.0	31	24	77.4	25	20	80.0	73	68	93.2	898	818	91.1
65 +	178	168	94.4	1	1	100.0	3	3	100.0	6	6	100.0	17	15	88.2	151	143	94.7
Other/Unknown	101	1	1.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	13	1	7.7
<b>TOTAL</b>	<b>1,497</b>	<b>1,267</b>	<b>84.6</b>	<b>4</b>	<b>2</b>	<b>50.0</b>	<b>37</b>	<b>29</b>	<b>78.4</b>	<b>49</b>	<b>38</b>	<b>77.6</b>	<b>116</b>	<b>105</b>	<b>90.5</b>	<b>1,202</b>	<b>1,093</b>	<b>90.9</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Bay Mills Twp.	3	5	3	3	0	0	2	0	1
Bruce Twp.	3	3	2	3	0	0	1	1	1
Chippewa Twp.	2	1	1	1	0	0	0	1	0
Dafter Twp.	3	5	2	3	0	0	0	1	2
Detour	0	0	0	0	0	0	0	0	0
Detour Twp.	2	1	1	2	0	0	0	0	2
Drummond Twp.	3	5	2	2	0	0	0	1	1
Hulbert Twp.	0	1	0	0	0	0	0	0	0
Kinross Twp.	1	1	1	1	0	0	0	1	0
Pickford Twp.	2	4	1	1	0	0	0	0	1
Raber Twp.	0	1	0	0	0	0	0	0	0
Rudyard Twp.	2	3	2	2	0	1	0	0	1
Sault Ste. Marie	34	24	18	24	0	2	5	2	15
Soo Twp.	3	4	2	3	0	0	2	0	1
Sugar Island Twp.	4	3	3	4	0	1	1	1	1
Superior Twp.	4	4	3	4	0	0	1	0	3
Trout Lake Twp.	0	0	0	0	0	0	0	0	0
Whitefish Twp.	0	0	0	0	0	0	0	0	0
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Chippewa County TOTAL</b>	<b>66</b>	<b>65</b>	<b>41</b>	<b>53</b>	<b>0</b>	<b>4</b>	<b>12</b>	<b>8</b>	<b>29</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Bay Mills Twp.	17	1	1	9	3	1	1	3	5	1	1	3
Bruce Twp.	76	0	0	9	3	0	0	0	11	0	0	3
Chippewa Twp.	23	0	0	10	1	0	0	0	8	0	0	5
Dafer Twp.	60	0	0	9	3	0	0	1	9	0	0	6
Detour	3	0	0	1	0	0	0	0	1	0	0	0
Detour Twp.	13	0	0	3	2	0	0	2	1	0	0	0
Drummond Twp.	51	1	1	8	2	1	1	1	11	1	1	5
Hulbert Twp.	14	0	0	7	0	0	0	0	2	0	0	3
Kinross Twp.	68	0	0	8	1	0	0	0	14	0	0	4
Pickford Twp.	91	0	0	9	1	0	0	3	4	0	0	3
Raber Twp.	28	0	0	0	0	0	0	0	2	0	0	0
Rudyard Twp.	41	0	0	4	2	0	0	0	2	0	0	1
Sault Ste. Marie	384	0	0	83	24	0	0	11	46	0	0	0
Soo Twp.	67	2	2	18	3	0	0	1	13	2	1	9
Sugar Island Twp.	20	0	0	5	4	0	0	3	8	0	0	3
Superior Twp.	58	0	0	16	4	0	0	2	7	0	0	2
Trout Lake Twp.	13	0	0	5	0	0	0	0	3	0	0	1
Whitefish Twp.	19	0	0	6	0	0	0	0	5	0	0	2
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Chippewa County TOTAL</b>	<b>1,046</b>	<b>4</b>	<b>4</b>	<b>210</b>	<b>53</b>	<b>2</b>	<b>2</b>	<b>27</b>	<b>152</b>	<b>4</b>	<b>3</b>	<b>50</b>

Restraint use among reported vehicle occupants by municipality

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Bay Mills Twp.	25	22	88.0	1	0	0.0	2	2	100.0	4	4	100.0	3	2	66.7	15	14	93.3
Bruce Twp.	89	77	86.5	0	0	0.0	1	1	100.0	4	4	100.0	4	4	100.0	78	68	87.2
Chippewa Twp.	32	30	93.8	0	0	0.0	2	2	100.0	4	4	100.0	4	4	100.0	22	20	90.9
Dafer Twp.	75	65	86.7	0	0	0.0	2	1	50.0	2	1	50.0	5	4	80.0	63	59	93.7
Detour	3	3	100.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	2	2	100.0
Detour Twp.	14	9	64.3	0	0	0.0	2	1	50.0	1	0	0.0	0	0	0.0	11	8	72.7
Drummond Twp.	60	48	80.0	1	1	100.0	1	1	100.0	4	3	75.0	3	3	100.0	51	40	78.4
Hulbert Twp.	19	14	73.7	0	0	0.0	1	0	0.0	4	2	50.0	2	2	100.0	11	10	90.9
Kinross Twp.	80	71	88.8	0	0	0.0	0	0	0.0	4	4	100.0	4	4	100.0	69	63	91.3
Pickford Twp.	102	86	84.3	0	0	0.0	3	3	100.0	2	2	100.0	4	3	75.0	91	78	85.7
Raber Twp.	28	23	82.1	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	28	23	82.1
Rudyard Twp.	46	41	89.1	0	0	0.0	0	0	0.0	1	1	100.0	3	2	66.7	42	38	90.5
Sault Ste. Marie	711	595	83.7	0	0	0.0	11	8	72.7	9	7	77.8	56	51	91.1	561	529	94.3
Soo Twp.	82	68	82.9	2	1	50.0	7	6	85.7	3	2	66.7	8	7	87.5	61	52	85.2
Sugar Island Twp.	21	18	85.7	0	0	0.0	3	3	100.0	0	0	0.0	2	1	50.0	16	14	87.5
Superior Twp.	73	62	84.9	0	0	0.0	1	0	0.0	4	1	25.0	10	10	100.0	55	51	92.7
Trout Lake Twp.	15	15	100.0	0	0	0.0	0	0	0.0	1	1	100.0	4	4	100.0	10	10	100.0
Whitefish Twp.	22	20	90.9	0	0	0.0	1	1	100.0	2	2	100.0	3	3	100.0	16	14	87.5
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Chippewa County TOTAL</b>	<b>1,497</b>	<b>1,267</b>	<b>84.6</b>	<b>4</b>	<b>2</b>	<b>50.0</b>	<b>37</b>	<b>29</b>	<b>78.4</b>	<b>49</b>	<b>38</b>	<b>77.6</b>	<b>116</b>	<b>105</b>	<b>90.5</b>	<b>1,202</b>	<b>1,093</b>	<b>90.9</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	109	0	14	95	0	19
February	86	0	8	78	0	10
March	98	0	12	86	0	14
April	83	0	11	72	0	15
May	90	2	12	76	3	16
June	93	0	6	87	0	8
July	57	0	14	43	0	26
August	53	1	6	46	1	10
September	81	0	6	75	0	7
October	133	1	10	122	1	18
November	135	0	11	124	0	12
December	144	1	23	120	1	37
<b>TOTAL</b>	<b>1,162</b>	<b>5</b>	<b>133</b>	<b>1,024</b>	<b>6</b>	<b>192</b>

In Clare County in 2011 there were:

**1,162** crashes

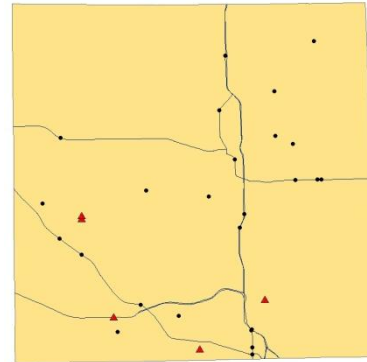
Involving:

**1,737** people

**1,729** motor vehicle drivers and passengers

**1** bicyclist

**7** pedestrians



Crashes by most severe injury (mapped/actual)

▲ Fatal (5/5)

● Incapacitating (A) (26/26)

## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	5,633	126	2	3.6	158.7
16 - 20	1,943	1,335	145	746.3	1086.1
21 - 64	17,183	15,939	1,043	607.0	654.4
65 +	6,167	5,932	183	296.7	308.5
Other/Unknown	--	--	21	--	--
<b>TOTAL</b>	<b>30,926</b>	<b>23,332</b>	<b>1,394</b>	<b>450.8</b>	<b>597.5</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	965	69.2	3	50.0	116	846
Van, motorhome	67	4.8	0	0.0	12	55
Pickup truck	298	21.4	1	16.7	38	259
Small truck under 10,000 lbs. GVWR	18	1.3	0	0.0	3	15
Cycle	12	0.9	2	33.3	7	3
Moped	0	0.0	0	0.0	0	0
Go Cart	0	0.0	0	0.0	0	0
Snowmobile	3	0.2	0	0.0	2	1
Off-Road Vehicle (ORV) / All-Terrain Vehicle (ATV)	4	0.3	0	0.0	4	0
Other	5	0.4	0	0.0	0	5
Truck/bus over 10,000 lbs.	21	1.5	0	0.0	3	18
Unknown	1	0.1	0	0.0	1	0
<b>TOTAL</b>	<b>1,394</b>	<b>100.0</b>	<b>6</b>	<b>100.0</b>	<b>186</b>	<b>1,202</b>

## Clare County Experience

Clare County experienced the highest number of fatal crashes (2) and the highest number of persons killed (3) in May.

Clare County driver statistics indicate 5.7 percent of licensed drivers were age 16-20, and 10.4 percent of drivers in that age group were involved in crashes.

In Clare County, motorcycles accounted for only 0.9 percent of the total vehicles in crashes, but were involved in 33.3 percent of the total fatal crashes.



## Crash Type

	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	931	80.1	4	80.0	11	22	50	844
Head On	9	0.8	1	20.0	1	2	0	5
Head On - Left Turn	13	1.1	0	0.0	1	3	1	8
Angle	60	5.2	0	0.0	6	2	8	44
Rear End	57	4.9	0	0.0	2	1	4	50
Rear End - Left Turn	5	0.4	0	0.0	0	1	1	3
Rear End - Right Turn	10	0.9	0	0.0	1	0	1	8
Sideswipe - Same Direction	44	3.8	0	0.0	1	2	3	38
Sideswipe - Opposite Direct	16	1.4	0	0.0	2	0	1	13
Other/Unknown	17	1.5	0	0.0	1	2	3	11
<b>Total</b>	<b>1,162</b>	<b>100.0</b>	<b>5</b>	<b>100.0</b>	<b>26</b>	<b>35</b>	<b>72</b>	<b>1,024</b>

## Relationship to Roadway

Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	897	77.2	1	20.0	17	23	40	816
Median	2	0.2	0	0.0	0	0	1	1
Shoulder	65	5.6	0	0.0	3	3	5	54
Outside of Shoulder/Curb	169	14.5	3	60.0	6	8	24	128
Gore	4	0.3	0	0.0	0	0	1	3
Other/Unknown	25	2.2	1	20.0	0	1	1	22
<b>Total</b>	<b>1,162</b>	<b>100.0</b>	<b>5</b>	<b>100.0</b>	<b>26</b>	<b>35</b>	<b>72</b>	<b>1,024</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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	1	1	1	1	0	0	0	1	0
21 - 64	22	17	12	18	0	1	4	6	7
65 +	2	0	0	1	0	0	0	0	1
Other/Unknown	2	0	0	1	0	0	0	0	1
<b>TOTAL</b>	<b>27</b>	<b>18</b>	<b>13</b>	<b>21</b>	<b>0</b>	<b>1</b>	<b>4</b>	<b>7</b>	<b>9</b>

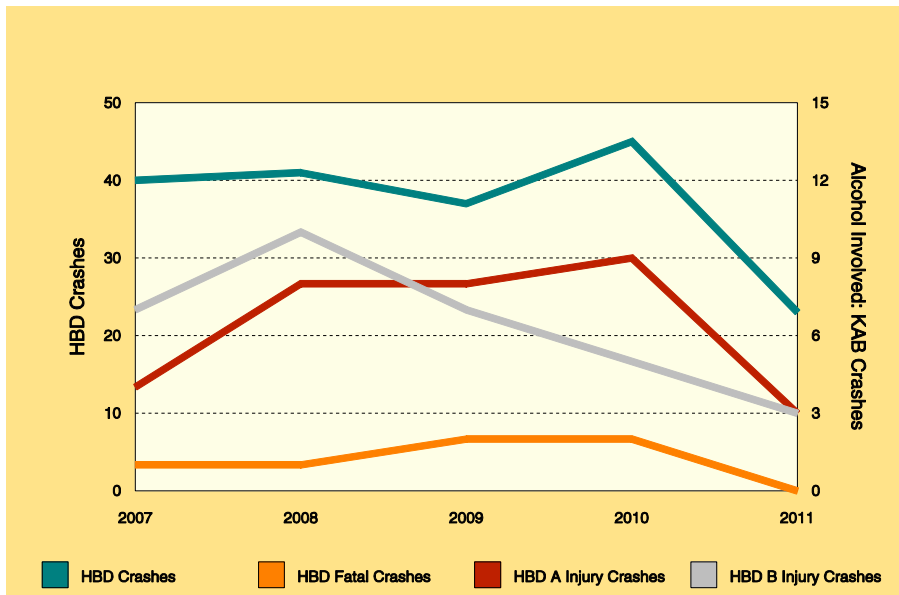
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

CLARE	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	1,308	40	3.1	8	1	12.5	35	4	11.4	56	7	12.5
2008	1,262	41	3.2	5	1	20.0	32	8	25.0	51	10	19.6
2009	1,235	37	3.0	6	2	33.3	31	8	25.8	45	7	15.6
2010	1,058	45	4.3	3	2	66.7	27	9	33.3	36	5	13.9
2011	1,162	23*	2.0	5	0*	0.0	26*	3*	11.5	35*	3*	8.6

\* Lowest number reported in the 5-year period.

**Restraint use among reported vehicle occupants by vehicle type**

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	1,012	967	95.6	3	2	66.7	21	21	100.0	25	23	92.0	75	72	96.0	877	849	96.8
Van, motorhome	73	72	98.6	0	0	0.0	1	1	100.0	2	2	100.0	7	7	100.0	63	62	98.4
Pickup truck	311	287	92.3	1	0	0.0	12	10	83.3	11	9	81.8	15	13	86.7	268	255	95.1
Small truck under 10,000 lbs. GVWR	19	18	94.7	0	0	0.0	0	0	0.0	1	1	100.0	2	2	100.0	16	15	93.8
Cycle	14	13	92.9	2	2	100.0	0	0	0.0	8	7	87.5	1	1	100.0	3	3	100.0
Moped	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	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	3	3	100.0	0	0	0.0	1	1	100.0	0	0	0.0	1	1	100.0	1	1	100.0
Off-Road Vehicle (ORV) /All-Terrain Vehicle (ATV)	4	3	75.0	0	0	0.0	1	0	0.0	1	1	100.0	1	1	100.0	1	1	100.0
Other	5	4	80.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	5	4	80.0
Truck/bus over 10,000 lbs.	21	19	90.5	0	0	0.0	0	0	0.0	1	1	100.0	0	0	0.0	20	18	90.0
Uncoded & errors	1	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>TOTAL</b>	<b>1,463</b>	<b>1,386</b>	<b>94.7</b>	<b>6</b>	<b>4</b>	<b>66.7</b>	<b>36</b>	<b>33</b>	<b>91.7</b>	<b>49</b>	<b>44</b>	<b>89.8</b>	<b>102</b>	<b>97</b>	<b>95.1</b>	<b>1,254</b>	<b>1,208</b>	<b>96.3</b>

**Restraint use among reported vehicle occupants by age**

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	17	16	94.1	0	0	0.0	1	1	100.0	6	6	100.0	9	8	88.9	1	1	100.0
16 - 20	157	149	94.9	0	0	0.0	2	1	50.0	7	6	85.7	15	14	93.3	133	128	96.2
21 - 64	1,071	1,032	96.4	4	2	50.0	19	17	89.5	31	27	87.1	65	63	96.9	952	923	97.0
65 +	197	188	95.4	2	2	100.0	14	14	100.0	5	5	100.0	13	12	92.3	163	155	95.1
Other/Unknown	21	1	4.8	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	5	1	20.0
<b>TOTAL</b>	<b>1,463</b>	<b>1,386</b>	<b>94.7</b>	<b>6</b>	<b>4</b>	<b>66.7</b>	<b>36</b>	<b>33</b>	<b>91.7</b>	<b>49</b>	<b>44</b>	<b>89.8</b>	<b>102</b>	<b>97</b>	<b>95.1</b>	<b>1,254</b>	<b>1,208</b>	<b>96.3</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Arthur Twp.	0	0	0	0	0	0	0	0	0
Clare	0	0	0	0	0	0	0	0	0
Farwell	0	0	0	0	0	0	0	0	0
Franklin Twp.	0	1	0	0	0	0	0	0	0
Freeman Twp.	0	0	0	0	0	0	0	0	0
Frost Twp.	1	1	1	1	0	0	0	0	1
Garfield Twp.	1	1	1	1	0	0	0	1	0
Grant Twp.	5	4	4	5	0	1	2	1	1
Greenwood Twp.	0	0	0	0	0	0	0	0	0
Hamilton Twp.	3	0	0	1	0	0	0	0	1
Harrison	2	0	0	1	0	0	0	0	1
Hatton Twp.	2	5	2	2	0	0	0	2	0
Hayes Twp.	2	0	0	1	0	0	0	0	1
Lincoln Twp.	2	2	2	2	0	0	1	1	0
Redding Twp.	1	0	0	1	0	0	0	0	1
Sheridan Twp.	0	0	0	0	0	0	0	0	0
Summerfield Twp.	0	0	0	0	0	0	0	0	0
Surrey Twp.	4	3	2	3	0	0	0	2	1
Winterfield Twp.	4	1	1	3	0	0	1	0	2
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Clare County TOTAL</b>	<b>27</b>	<b>18</b>	<b>13</b>	<b>21</b>	<b>0</b>	<b>1</b>	<b>4</b>	<b>7</b>	<b>9</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Arthur Twp.	18	0	0	0	0	0	0	0	1	0	0	0
Clare	64	0	0	16	0	0	0	0	3	0	0	3
Farwell	24	0	0	1	0	0	0	0	2	0	0	0
Franklin Twp.	6	0	0	8	0	0	0	0	2	0	0	4
Freeman Twp.	39	2	2	12	0	0	0	0	8	0	0	3
Frost Twp.	45	0	0	5	1	0	0	1	7	0	0	1
Garfield Twp.	64	0	0	12	1	0	0	0	10	0	0	3
Grant Twp.	248	2	2	27	5	0	0	1	40	0	0	4
Greenwood Twp.	25	0	0	3	0	0	0	0	2	0	0	0
Hamilton Twp.	63	0	0	10	2	0	0	1	6	0	0	3
Harrison	44	0	0	6	1	0	0	0	8	0	0	1
Hatton Twp.	125	0	0	13	2	0	0	0	27	0	0	5
Hayes Twp.	111	0	0	30	2	0	0	2	34	0	0	7
Lincoln Twp.	32	0	0	5	2	0	0	4	4	0	0	3
Redding Twp.	11	0	0	2	1	0	0	1	1	0	0	1
Sheridan Twp.	60	0	0	4	0	0	0	0	7	0	0	1
Summerfield Twp.	15	0	0	3	0	0	0	0	5	0	0	1
Surrey Twp.	155	1	2	33	3	0	0	0	31	0	0	6
Winterfield Twp.	13	0	0	2	3	0	0	1	1	0	0	0
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Clare County TOTAL</b>	<b>1,162</b>	<b>5</b>	<b>6</b>	<b>192</b>	<b>23</b>	<b>0</b>	<b>0</b>	<b>11</b>	<b>199</b>	<b>0</b>	<b>0</b>	<b>46</b>

Restraint use among reported vehicle occupants by municipality

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Arthur Twp.	18	18	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	18	18	100.0
Clare	112	102	91.1	0	0	0.0	3	3	100.0	2	2	100.0	10	10	100.0	91	87	95.6
Farwell	36	34	94.4	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	35	33	94.3
Franklin Twp.	12	11	91.7	0	0	0.0	4	3	75.0	0	0	0.0	4	4	100.0	4	4	100.0
Freeman Twp.	48	46	95.8	2	2	100.0	4	4	100.0	1	1	100.0	7	7	100.0	32	32	100.0
Frost Twp.	49	49	100.0	0	0	0.0	1	1	100.0	2	2	100.0	2	2	100.0	44	44	100.0
Garfield Twp.	76	75	98.7	0	0	0.0	0	0	0.0	7	7	100.0	5	5	100.0	64	63	98.4
Grant Twp.	302	283	93.7	2	1	50.0	2	2	100.0	4	3	75.0	20	18	90.0	271	259	95.6
Greenwood Twp.	27	27	100.0	0	0	0.0	0	0	0.0	3	3	100.0	0	0	0.0	24	24	100.0
Hamilton Twp.	77	74	96.1	0	0	0.0	4	4	100.0	2	1	50.0	3	3	100.0	67	66	98.5
Harrison	69	63	91.3	0	0	0.0	1	1	100.0	0	0	0.0	4	4	100.0	63	58	92.1
Hatton Twp.	140	133	95.0	0	0	0.0	4	3	75.0	5	5	100.0	4	4	100.0	127	121	95.3
Hayes Twp.	148	140	94.6	0	0	0.0	5	5	100.0	7	6	85.7	17	15	88.2	118	114	96.6
Lincoln Twp.	38	32	84.2	0	0	0.0	2	1	50.0	3	1	33.3	0	0	0.0	32	30	93.8
Redding Twp.	12	11	91.7	0	0	0.0	1	1	100.0	0	0	0.0	1	1	100.0	10	9	90.0
Sheridan Twp.	66	63	95.5	0	0	0.0	0	0	0.0	0	0	0.0	4	4	100.0	62	59	95.2
Summerfield Twp.	16	15	93.8	0	0	0.0	0	0	0.0	1	1	100.0	2	2	100.0	12	12	100.0
Surrey Twp.	201	195	97.0	2	1	50.0	5	5	100.0	11	11	100.0	17	16	94.1	166	162	97.6
Winterfield Twp.	16	15	93.8	0	0	0.0	0	0	0.0	1	1	100.0	1	1	100.0	14	13	92.9
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Clare County TOTAL</b>	<b>1,463</b>	<b>1,386</b>	<b>94.7</b>	<b>6</b>	<b>4</b>	<b>66.7</b>	<b>36</b>	<b>33</b>	<b>91.7</b>	<b>49</b>	<b>44</b>	<b>89.8</b>	<b>102</b>	<b>97</b>	<b>95.1</b>	<b>1,254</b>	<b>1,208</b>	<b>96.3</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	227	1	22	204	1	28
February	206	1	24	181	1	31
March	162	0	18	144	0	31
April	129	0	21	108	0	26
May	172	0	29	143	0	46
June	191	1	20	170	1	32
July	125	0	21	104	0	30
August	129	0	20	109	0	26
September	146	1	18	127	1	29
October	203	0	18	185	0	25
November	404	1	37	366	1	49
December	251	0	19	232	0	25
<b>TOTAL</b>	<b>2,345</b>	<b>5</b>	<b>267</b>	<b>2,073</b>	<b>5</b>	<b>378</b>

In Clinton County in 2011 there were:  
2,345 crashes

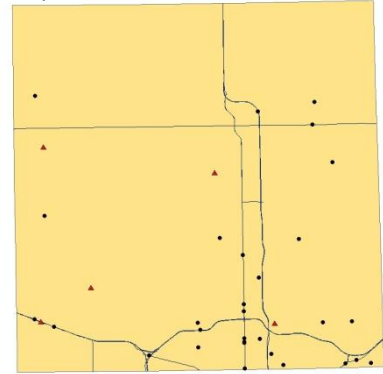
Involving:

3,511 people

3,505 motor vehicle drivers and passengers

5 bicyclists

1 pedestrian



Crashes by most severe injury (mapped/actual)

▲ Fatal (6/5)

● Incapacitating (A) (30/30)

## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	29,800	624	2	0.7	32.1
16 - 20	10,826	4,771	391	361.2	819.5
21 - 64	76,262	42,292	2,289	300.1	541.2
65 +	13,989	9,373	245	175.1	261.4
Other/Unknown	--	--	108	--	--
<b>TOTAL</b>	<b>130,877</b>	<b>57,060</b>	<b>3,035</b>	<b>231.9</b>	<b>531.9</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	2,207	72.7	4	50.0	308	1,895
Van, motorhome	152	5.0	1	12.5	20	131
Pickup truck	481	15.8	0	0.0	50	431
Small truck under 10,000 lbs. GVWR	63	2.1	0	0.0	13	50
Cycle	20	0.7	2	25.0	14	4
Moped	2	0.1	0	0.0	1	1
Go Cart	0	0.0	0	0.0	0	0
Snowmobile	1	0.0	0	0.0	1	0
Off-Road Vehicle (ORV) / All-Terrain Vehicle (ATV)	0	0.0	0	0.0	0	0
Other	12	0.4	0	0.0	5	7
Truck/bus over 10,000 lbs.	66	2.2	1	12.5	10	55
Unknown	31	1.0	0	0.0	0	31
<b>TOTAL</b>	<b>3,035</b>	<b>100.0</b>	<b>8</b>	<b>100.0</b>	<b>422</b>	<b>2,605</b>

## Clinton County Experience

Clinton County experienced the highest number of fatal crashes (1), and the highest number of persons killed (1) in January, February, June, September, and November.

Clinton County driver statistics indicate 8.4 percent of licensed drivers were age 16-20, and 12.9 percent of drivers in that age group were involved in crashes.

In Clinton County, motorcycles accounted for only 0.7 percent of the total vehicles in crashes, but were involved in 25.0 percent of the total fatal crashes.



## Crash Type

	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	1,682	71.7	2	40.0	11	44	72	1,553
Head On	15	0.6	1	20.0	5	2	1	6
Head On - Left Turn	21	0.9	1	20.0	5	5	3	7
Angle	219	9.3	0	0.0	7	22	32	158
Rear End	201	8.6	1	20.0	1	13	25	161
Rear End - Left Turn	17	0.7	0	0.0	0	0	3	14
Rear End - Right Turn	18	0.8	0	0.0	0	0	1	17
Sideswipe - Same Direction	87	3.7	0	0.0	1	0	6	80
Sideswipe - Opposite Direct	26	1.1	0	0.0	0	1	1	24
Other/Unknown	59	2.5	0	0.0	0	3	3	53
<b>Total</b>	<b>2,345</b>	<b>100.0</b>	<b>5</b>	<b>100.0</b>	<b>30</b>	<b>90</b>	<b>147</b>	<b>2,073</b>

## Relationship to Roadway

Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	1,935	82.5	3	60.0	20	54	96	1,762
Median	18	0.8	0	0.0	1	2	1	14
Shoulder	87	3.7	0	0.0	3	6	15	63
Outside of Shoulder/Curb	239	10.2	2	40.0	4	23	29	181
Gore	10	0.4	0	0.0	0	0	2	8
Other/Unknown	56	2.4	0	0.0	2	5	4	45
<b>Total</b>	<b>2,345</b>	<b>100.0</b>	<b>5</b>	<b>100.0</b>	<b>30</b>	<b>90</b>	<b>147</b>	<b>2,073</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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	11	10	9	9	0	2	2	1	4
21 - 64	85	81	65	74	1	5	7	13	48
65 +	0	1	0	0	0	0	0	0	0
Other/Unknown	4	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>100</b>	<b>92</b>	<b>74</b>	<b>83</b>	<b>1</b>	<b>7</b>	<b>9</b>	<b>14</b>	<b>52</b>

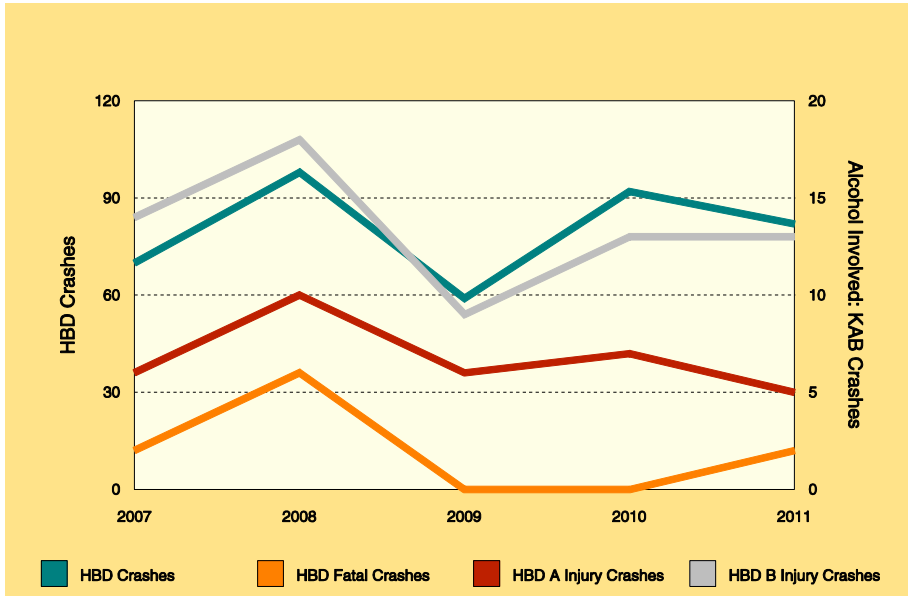
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

CLINTON	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	2,752	70	2.5	8	2	25.0	62	6	9.7	104	14	13.5
2008	2,814	98	3.5	9	6	66.7	43	10	23.3	116	18	15.5
2009	2,641	59	2.2	6	0	0.0	47	6	12.8	106	9	8.5
2010	2,510	92	3.7	0	0	0.0	43	7	16.3	90	13	14.4
2011	2,345*	82	3.5	5	2	40.0	30*	5*	16.7	90	13	14.4

\* Lowest number reported in the 5-year period.

## Restraint use among reported vehicle occupants by vehicle type

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	2,271	2,179	95.9	3	1	33.3	27	25	92.6	76	69	90.8	160	148	92.5	1,957	1,932	98.7
Van, motorhome	168	161	95.8	0	0	0.0	1	1	100.0	6	6	100.0	23	22	95.7	136	132	97.1
Pickup truck	493	453	91.9	0	0	0.0	9	7	77.8	13	12	92.3	25	24	96.0	425	409	96.2
Small truck under 10,000 lbs. GVWR	66	63	95.5	0	0	0.0	0	0	0.0	1	1	100.0	10	10	100.0	51	50	98.0
Cycle	22	18	81.8	2	2	100.0	4	3	75.0	9	7	77.8	3	2	66.7	3	3	100.0
Moped	2	2	100.0	0	0	0.0	1	1	100.0	0	0	0.0	0	0	0.0	1	1	100.0
Go 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	1	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0	0	0	0.0	0	0	0.0
Off-Road Vehicle (ORV) /All-Terrain Vehicle (ATV)	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Other	12	5	41.7	0	0	0.0	0	0	0.0	1	1	100.0	1	0	0.0	9	4	44.4
Truck/bus over 10,000 lbs.	66	59	89.4	0	0	0.0	0	0	0.0	1	1	100.0	0	0	0.0	61	58	95.1
Uncoded & errors	31	2	6.5	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0
<b>TOTAL</b>	<b>3,132</b>	<b>2,942</b>	<b>93.9</b>	<b>5</b>	<b>3</b>	<b>60.0</b>	<b>42</b>	<b>37</b>	<b>88.1</b>	<b>108</b>	<b>97</b>	<b>89.8</b>	<b>222</b>	<b>206</b>	<b>92.8</b>	<b>2,645</b>	<b>2,591</b>	<b>98.0</b>

## Restraint use among reported vehicle occupants by age

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	25	23	92.0	0	0	0.0	1	0	0.0	6	5	83.3	17	17	100.0	1	1	100.0
16 - 20	412	398	96.6	2	1	50.0	10	10	100.0	23	18	78.3	41	39	95.1	336	330	98.2
21 - 64	2,332	2,273	97.5	2	1	50.0	24	20	83.3	70	66	94.3	142	130	91.5	2,086	2,049	98.2
65 +	253	245	96.8	1	1	100.0	7	7	100.0	8	7	87.5	20	19	95.0	216	210	97.2
Other/Unknown	110	3	2.7	0	0	0.0	0	0	0.0	1	1	100.0	2	1	50.0	6	1	16.7
<b>TOTAL</b>	<b>3,132</b>	<b>2,942</b>	<b>93.9</b>	<b>5</b>	<b>3</b>	<b>60.0</b>	<b>42</b>	<b>37</b>	<b>88.1</b>	<b>108</b>	<b>97</b>	<b>89.8</b>	<b>222</b>	<b>206</b>	<b>92.8</b>	<b>2,645</b>	<b>2,591</b>	<b>98.0</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Bath Twp.	13	12	11	11	0	0	0	0	11
Bengal Twp.	0	0	0	0	0	0	0	0	0
Bingham Twp.	4	5	4	4	0	0	1	2	1
Dallas Twp.	2	2	2	2	0	1	0	0	1
DeWitt	4	3	3	3	0	0	0	0	3
DeWitt Twp.	17	15	10	11	1	0	3	6	1
Duplain Twp.	4	1	1	3	0	0	0	0	3
Eagle	1	1	1	1	0	0	1	0	0
Eagle Twp.	9	12	7	8	0	0	0	2	6
East Lansing	1	1	1	1	0	0	1	0	0
Elsie	0	0	0	0	0	0	0	0	0
Essex Twp.	1	1	1	1	0	0	0	0	1
Fowler	2	1	1	1	0	0	0	0	1
Grand Ledge	0	0	0	0	0	0	0	0	0
Greenbush Twp.	4	4	3	4	0	1	0	0	3
Hubbardston	0	0	0	0	0	0	0	0	0
Lebanon Twp.	3	3	3	3	0	0	1	1	1
Maple Rapids	0	0	0	0	0	0	0	0	0
Olive Twp.	4	4	4	4	0	1	1	0	2
Ovid	2	1	1	2	0	0	0	0	2
Ovid Twp.	3	5	3	3	0	0	0	1	2
Riley Twp.	0	1	0	0	0	0	0	0	0
St. Johns	5	3	3	3	0	0	0	0	3
Victor Twp.	5	4	4	5	0	1	0	0	4
Watertown Twp.	14	11	9	11	0	2	1	2	6
Westphalia	0	0	0	0	0	0	0	0	0
Westphalia Twp.	2	2	2	2	0	1	0	0	1
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Clinton County TOTAL</b>	<b>100</b>	<b>92</b>	<b>74</b>	<b>83</b>	<b>1</b>	<b>7</b>	<b>9</b>	<b>14</b>	<b>52</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Bath Twp.	196	0	0	42	11	0	0	6	0	0	0	8
Bengal Twp.	29	0	0	0	0	0	0	0	0	0	0	0
Bingham Twp.	168	1	1	14	4	0	0	1	0	0	0	4
Dallas Twp.	57	1	1	5	2	1	1	1	0	0	0	1
DeWitt	49	0	0	9	3	0	0	2	0	0	0	2
DeWitt Twp.	382	1	1	72	11	0	0	4	0	0	0	14
Duplain Twp.	74	0	0	14	3	0	0	1	0	0	0	7
Eagle	5	0	0	0	1	0	0	0	0	0	0	0
Eagle Twp.	169	2	2	28	8	1	1	1	0	0	0	7
East Lansing	37	0	0	9	1	0	0	0	0	0	0	0
Elsie	4	0	0	0	0	0	0	0	0	0	0	0
Essex Twp.	56	0	0	5	1	0	0	1	0	0	0	2
Fowler	9	0	0	2	1	0	0	1	0	0	0	0
Grand Ledge	0	0	0	0	0	0	0	0	0	0	0	0
Greenbush Twp.	145	0	0	12	4	0	0	1	0	0	0	2
Hubbardston	1	0	0	0	0	0	0	0	0	0	0	0
Lebanon Twp.	40	0	0	8	3	0	0	3	0	0	0	1
Maple Rapids	8	0	0	0	0	0	0	0	0	0	0	0
Olive Twp.	204	0	0	37	4	0	0	2	0	0	0	2
Ovid	12	0	0	8	2	0	0	0	0	0	0	0
Ovid Twp.	95	0	0	22	2	0	0	1	0	0	0	2
Riley Twp.	59	0	0	3	0	0	0	0	0	0	0	1
St. Johns	118	0	0	20	3	0	0	1	0	0	0	0
Victor Twp.	129	0	0	13	5	0	0	1	0	0	0	3
Watertown Twp.	259	0	0	49	11	0	0	10	0	0	0	7
Westphalia	4	0	0	0	0	0	0	0	0	0	0	0
Westphalia Twp.	36	0	0	6	2	0	0	0	0	0	0	1
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Clinton County TOTAL</b>	<b>2,345</b>	<b>5</b>	<b>5</b>	<b>378</b>	<b>82</b>	<b>2</b>	<b>2</b>	<b>37</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>64</b>

Restraint use among reported vehicle occupants by municipality

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Bath Twp.	277	260	93.9	0	0	0.0	6	6	100.0	16	16	100.0	20	19	95.0	223	217	97.3
Bengal Twp.	32	31	96.9	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	31	31	100.0
Bingham Twp.	198	192	97.0	1	1	100.0	1	1	100.0	1	0	0.0	12	12	100.0	181	178	98.3
Dallas Twp.	68	65	95.6	1	0	0.0	0	0	0.0	1	0	0.0	4	4	100.0	60	60	100.0
DeWitt	81	71	87.7	0	0	0.0	0	0	0.0	2	2	100.0	5	3	60.0	68	66	97.1
DeWitt Twp.	554	517	93.3	1	1	100.0	12	11	91.7	20	17	85.0	38	36	94.7	466	452	97.0
Duplain Twp.	93	88	94.6	0	0	0.0	0	0	0.0	5	5	100.0	9	8	88.9	77	74	96.1
Eagle	9	9	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	9	9	100.0
Eagle Twp.	217	206	94.9	2	1	50.0	4	4	100.0	6	5	83.3	18	17	94.4	182	179	98.4
East Lansing	56	54	96.4	0	0	0.0	1	1	100.0	3	3	100.0	5	5	100.0	47	45	95.7
Elsie	6	5	83.3	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	5	5	100.0
Essex Twp.	59	58	98.3	0	0	0.0	0	0	0.0	3	3	100.0	2	2	100.0	53	53	100.0
Fowler	14	12	85.7	0	0	0.0	0	0	0.0	1	1	100.0	1	1	100.0	11	10	90.9
Grand Ledge	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Greenbush Twp.	169	165	97.6	0	0	0.0	0	0	0.0	2	2	100.0	10	9	90.0	157	154	98.1
Hubbardston	1	1	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0
Lebanon Twp.	48	47	97.9	0	0	0.0	3	3	100.0	1	1	100.0	4	4	100.0	40	39	97.5
Maple Rapids	11	8	72.7	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	8	8	100.0
Olive Twp.	246	238	96.7	0	0	0.0	4	3	75.0	15	15	100.0	18	18	100.0	205	202	98.5
Ovid	24	21	87.5	0	0	0.0	0	0	0.0	1	0	0.0	7	6	85.7	15	15	100.0
Ovid Twp.	125	118	94.4	0	0	0.0	6	4	66.7	4	4	100.0	12	12	100.0	99	98	99.0
Riley Twp.	65	61	93.8	0	0	0.0	0	0	0.0	2	1	50.0	1	1	100.0	60	59	98.3
St. Johns	236	198	83.9	0	0	0.0	0	0	0.0	7	7	100.0	11	11	100.0	184	179	97.3
Victor Twp.	143	135	94.4	0	0	0.0	1	0	0.0	6	5	83.3	6	6	100.0	128	124	96.9
Watertown Twp.	350	334	95.4	0	0	0.0	3	3	100.0	12	10	83.3	34	28	82.4	291	290	99.7
Westphalia	7	7	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	7	7	100.0
Westphalia Twp.	43	41	95.3	0	0	0.0	1	1	100.0	0	0	100.0	5	4	80.0	37	36	97.3
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Clinton County TOTAL</b>	<b>3,132</b>	<b>2,942</b>	<b>93.9</b>	<b>5</b>	<b>3</b>	<b>60.0</b>	<b>42</b>	<b>37</b>	<b>88.1</b>	<b>108</b>	<b>97</b>	<b>89.8</b>	<b>222</b>	<b>206</b>	<b>92.8</b>	<b>2,645</b>	<b>2,591</b>	<b>98.0</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	51	0	5	46	0	5
February	34	0	8	26	0	10
March	45	0	7	38	0	8
April	42	0	10	32	0	12
May	33	0	6	27	0	8
June	52	0	12	40	0	15
July	50	1	6	43	1	15
August	25	0	7	18	0	9
September	39	0	3	36	0	6
October	48	0	6	42	0	7
November	58	1	11	46	1	15
December	49	0	9	40	0	10
<b>TOTAL</b>	<b>526</b>	<b>2</b>	<b>90</b>	<b>434</b>	<b>2</b>	<b>120</b>

In Crawford County in 2011 there were:

**526** crashes

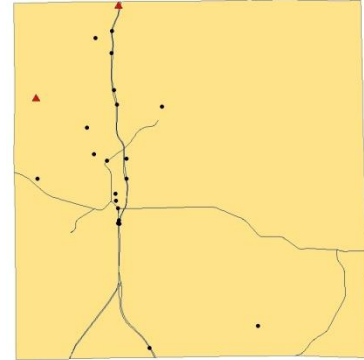
Involving:

**787** people

**784** motor vehicle drivers and passengers

**2** bicyclists

**1** train engineer



Crashes by most severe injury (mapped/actual)

▲ Fatal (2/2)

● Incapacitating (A) (20/20)

## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	2,417	80	0	0.0	0.0
16 - 20	838	648	63	751.8	972.2
21 - 64	7,891	7,337	466	590.5	635.1
65 +	2,928	2,660	95	324.5	357.1
Other/Unknown	--	--	17	--	--
<b>TOTAL</b>	<b>14,074</b>	<b>10,725</b>	<b>641</b>	<b>455.4</b>	<b>597.7</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	432	67.4	1	50.0	77	354
Van, motorhome	35	5.5	0	0.0	2	33
Pickup truck	122	19.0	1	50.0	21	100
Small truck under 10,000 lbs. GVWR	22	3.4	0	0.0	6	16
Cycle	9	1.4	0	0.0	9	0
Moped	0	0.0	0	0.0	0	0
Go Cart	0	0.0	0	0.0	0	0
Snowmobile	1	0.2	0	0.0	1	0
Off-Road Vehicle (ORV) / All-Terrain Vehicle (ATV)	2	0.3	0	0.0	2	0
Other	2	0.3	0	0.0	0	2
Truck/bus over 10,000 lbs.	9	1.4	0	0.0	1	8
Unknown	7	1.1	0	0.0	1	6
<b>TOTAL</b>	<b>641</b>	<b>100.0</b>	<b>2</b>	<b>100.0</b>	<b>120</b>	<b>519</b>

## Crawford County Experience

Crawford County experienced the highest number of fatal crashes (1) and the highest number of persons killed (1) in July and November.

Crawford County driver statistics indicate 6.0 percent of licensed drivers were age 16-20, and 9.8 percent of drivers in that age group were involved in crashes.



## Crash Type

	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	413	78.5	2	100.0	14	25	25	347
Head On	5	1.0	0	0.0	0	0	0	5
Head On - Left Turn	3	0.6	0	0.0	0	2	0	1
Angle	29	5.5	0	0.0	2	3	2	22
Rear End	22	4.2	0	0.0	1	1	6	14
Rear End - Left Turn	4	0.8	0	0.0	0	1	1	2
Rear End - Right Turn	1	0.2	0	0.0	0	0	0	1
Sideswipe - Same Direction	20	3.8	0	0.0	2	0	2	16
Sideswipe - Opposite Direct	10	1.9	0	0.0	1	0	1	8
Other/Unknown	19	3.6	0	0.0	0	1	0	18
<b>Total</b>	<b>526</b>	<b>100.0</b>	<b>2</b>	<b>100.0</b>	<b>20</b>	<b>33</b>	<b>37</b>	<b>434</b>

## Relationship to Roadway

Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	384	73.0	0	0.0	9	15	15	345
Median	12	2.3	0	0.0	2	2	2	6
Shoulder	43	8.2	0	0.0	3	6	8	26
Outside of Shoulder/Curb	73	13.9	2	100.0	5	8	10	48
Gore	1	0.2	0	0.0	1	0	0	0
Other/Unknown	13	2.5	0	0.0	0	2	2	9
<b>Total</b>	<b>526</b>	<b>100.0</b>	<b>2</b>	<b>100.0</b>	<b>20</b>	<b>33</b>	<b>37</b>	<b>434</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				Total drivers coded drinking	BAC = 0.00	BAC 0.01 g/dL to 0.07 g/dL	BAC 0.08 g/dL to 0.16 g/dL	BAC 0.17 g/dL and above	BAC not reported
0 - 15	0	0	0	0	0	0	0	0	0
16 - 20	2	4	2	2	0	0	0	0	2
21 - 64	16	15	9	14	1	1	0	0	12
65 +	0	2	0	0	0	0	0	0	0
Other/Unknown	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>18</b>	<b>21</b>	<b>11</b>	<b>16</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>14</b>

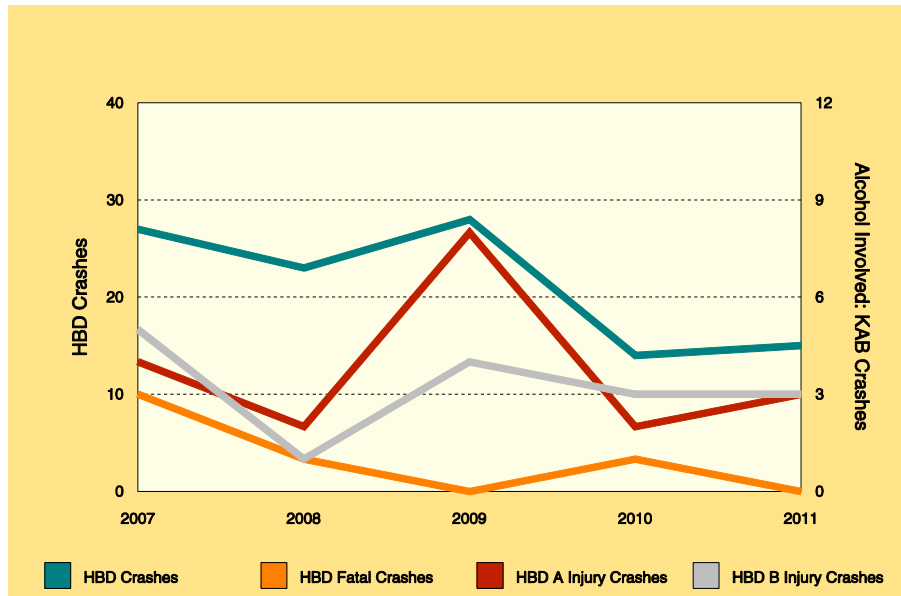
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

CRAWFORD	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	700	27	3.9	6	3	50.0	21	4	19.1	28	5	17.9
2008	607	23	3.8	2	1	50.0	16	2	12.5	18	1	5.6
2009	603	28	4.6	1	0	0.0	27	8	29.6	24	4	16.7
2010	499	14	2.8	4	1	25.0	14	2	14.3	27	3	11.1
2011	526	15	2.9	2	0	0.0	20	3	15.0	33*	3	9.1

\* Highest number reported in the 5-year period.

**Restraint use among reported vehicle occupants by vehicle type**

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	452	432	95.6	1	0	0.0	11	9	81.8	25	20	80.0	46	43	93.5	364	357	98.1
Van, motorhome	35	34	97.1	0	0	0.0	0	0	0.0	2	2	100.0	0	0	0.0	32	31	96.9
Pickup truck	125	113	90.4	1	0	0.0	4	2	50.0	4	3	75.0	6	6	100.0	105	102	97.1
Small truck under 10,000 lbs. GVWR	26	24	92.3	0	0	0.0	7	6	85.7	2	2	100.0	0	0	0.0	16	16	100.0
Cycle	9	8	88.9	0	0	0.0	3	2	66.7	4	4	100.0	2	2	100.0	0	0	0.0
Moped	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	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	1	1	100.0	0	0	0.0	0	0	0.0	1	1	100.0	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	1	1	100.0	0	0	0.0	0	0	0.0
Other	2	1	50.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0
Truck/bus over 10,000 lbs.	9	9	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	9	9	100.0
Uncoded & errors	7	2	28.6	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0
<b>TOTAL</b>	<b>668</b>	<b>626</b>	<b>93.7</b>	<b>2</b>	<b>0</b>	<b>0.0</b>	<b>26</b>	<b>20</b>	<b>76.9</b>	<b>39</b>	<b>33</b>	<b>84.6</b>	<b>54</b>	<b>51</b>	<b>94.4</b>	<b>529</b>	<b>518</b>	<b>97.9</b>

**Restraint use among reported vehicle occupants by age**

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	6	4	66.7	0	0	0.0	1	0	0.0	1	0	0.0	4	4	100.0	0	0	0.0
16 - 20	70	67	95.7	0	0	0.0	6	5	83.3	6	5	83.3	9	9	100.0	48	47	97.9
21 - 64	475	459	96.6	2	0	0.0	16	13	81.3	24	21	87.5	29	27	93.1	402	396	98.5
65 +	97	95	97.9	0	0	0.0	2	2	100.0	6	6	100.0	12	11	91.7	76	75	98.7
Other/Unknown	20	1	5.0	0	0	0.0	1	0	0.0	2	1	50.0	0	0	0.0	3	0	0.0
<b>TOTAL</b>	<b>668</b>	<b>626</b>	<b>93.7</b>	<b>2</b>	<b>0</b>	<b>0.0</b>	<b>26</b>	<b>20</b>	<b>76.9</b>	<b>39</b>	<b>33</b>	<b>84.6</b>	<b>54</b>	<b>51</b>	<b>94.4</b>	<b>529</b>	<b>518</b>	<b>97.9</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved Crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Beaver Creek Twp.	4	4	3	3	0	1	0	0	2
Frederic Twp.	1	1	0	1	0	0	0	0	1
Grayling	2	4	2	2	0	0	0	0	2
Grayling Twp.	7	7	5	6	1	0	0	0	5
Lovells Twp.	1	1	0	1	0	0	0	0	1
Maple Forest Twp.	1	2	1	1	0	0	0	0	1
South Branch Twp.	2	2	0	2	0	0	0	0	2
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Crawford County TOTAL</b>	<b>18</b>	<b>21</b>	<b>11</b>	<b>16</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>14</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Beaver Creek Twp.	85	0	0	8	3	0	0	1	20	0	0	3
Frederic Twp.	39	1	1	15	1	0	0	1	12	0	0	7
Grayling	62	0	0	25	2	0	0	1	2	0	0	0
Grayling Twp.	230	0	0	45	5	0	0	1	37	0	0	12
Lovells Twp.	27	0	0	4	1	0	0	0	6	0	0	2
Maple Forest Twp.	39	1	1	14	1	0	0	1	18	0	0	9
South Branch Twp.	44	0	0	9	2	0	0	1	9	0	0	3
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Crawford County TOTAL</b>	<b>526</b>	<b>2</b>	<b>2</b>	<b>120</b>	<b>15</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>104</b>	<b>0</b>	<b>0</b>	<b>36</b>

Restraint use among reported vehicle occupants by municipality

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Beaver Creek Twp.	95	94	98.9	0	0	0.0	1	1	100.0	3	3	100.0	4	4	100.0	85	85	100.0
Frederic Twp.	49	43	87.8	1	0	0.0	5	4	80.0	4	1	25.0	6	5	83.3	33	33	100.0
Grayling	120	106	88.3	0	0	0.0	3	2	66.7	4	4	100.0	17	17	100.0	85	82	96.5
Grayling Twp.	274	265	96.7	0	0	0.0	10	8	80.0	16	16	100.0	19	18	94.7	225	222	98.7
Lovells Twp.	30	29	96.7	0	0	0.0	0	0	0.0	3	3	100.0	1	1	100.0	26	25	96.2
Maple Forest Twp.	47	41	87.2	1	0	0.0	6	4	66.7	5	2	40.0	3	3	100.0	31	31	100.0
South Branch Twp.	53	48	90.6	0	0	0.0	1	1	100.0	4	4	100.0	4	3	75.0	44	40	90.9
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Crawford County TOTAL</b>	<b>668</b>	<b>626</b>	<b>93.7</b>	<b>2</b>	<b>0</b>	<b>0.0</b>	<b>26</b>	<b>20</b>	<b>76.9</b>	<b>39</b>	<b>33</b>	<b>84.6</b>	<b>54</b>	<b>51</b>	<b>94.4</b>	<b>529</b>	<b>518</b>	<b>97.9</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	148	0	19	129	0	23
February	87	0	5	82	0	6
March	106	0	11	95	0	11
April	81	0	6	75	0	6
May	72	1	15	56	1	28
June	132	2	18	112	2	25
July	109	0	16	93	0	19
August	106	1	18	87	1	22
September	152	0	16	136	0	22
October	166	0	16	150	0	19
November	125	1	17	107	2	21
December	146	1	12	133	1	20
<b>TOTAL</b>	<b>1,430</b>	<b>6</b>	<b>169</b>	<b>1,255</b>	<b>7</b>	<b>222</b>

In Delta County in 2011 there were:

**1,430** crashes

Involving:

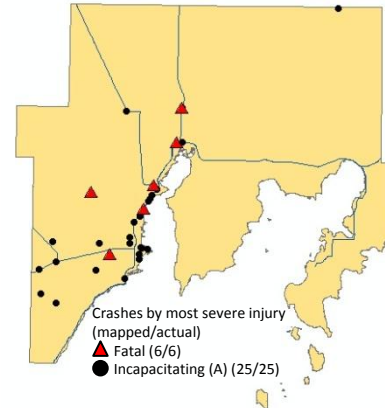
**2,192** people

**2,178** motor vehicle drivers and passengers

**8** bicyclists

**4** pedestrians

**2** train engineers



## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	6,796	231	3	4.4	129.9
16 - 20	2,286	1,832	197	861.8	1075.3
21 - 64	20,889	20,454	1,351	646.8	660.5
65 +	7,098	6,405	247	348.0	385.6
Other/Unknown	--	--	114	--	--
<b>TOTAL</b>	<b>37,069</b>	<b>28,922</b>	<b>1,912</b>	<b>515.8</b>	<b>661.1</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	1,235	64.6	7	58.3	150	1,078
Van, motorhome	108	5.6	1	8.3	15	92
Pickup truck	434	22.7	3	25.0	61	370
Small truck under 10,000 lbs. GVWR	56	2.9	0	0.0	7	49
Cycle	13	0.7	1	8.3	8	4
Moped	4	0.2	0	0.0	3	1
Go 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)	5	0.3	0	0.0	5	0
Other	2	0.1	0	0.0	2	0
Truck/bus over 10,000 lbs.	37	1.9	0	0.0	6	31
Unknown	18	0.9	0	0.0	1	17
<b>TOTAL</b>	<b>1,912</b>	<b>100.0</b>	<b>12</b>	<b>100.0</b>	<b>258</b>	<b>1,642</b>

## Delta County Experience

Delta County experienced the highest number of fatal crashes (2) in June and the highest number of persons killed (2) in June and November.

Delta County driver statistics indicate 6.3 percent of licensed drivers were age 16-20, and 10.3 percent of drivers in that age group were involved in crashes.



Crash Type								
	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	956	66.9	1	16.7	13	26	43	873
Head On	22	1.5	2	33.3	2	3	3	12
Head On - Left Turn	10	0.7	0	0.0	0	0	6	4
Angle	159	11.1	2	33.3	3	8	17	129
Rear End	139	9.7	0	0.0	3	4	23	109
Rear End - Left Turn	7	0.5	0	0.0	0	1	0	6
Rear End - Right Turn	11	0.8	0	0.0	0	0	1	10
Sideswipe - Same Direction	63	4.4	0	0.0	2	3	0	58
Sideswipe - Opposite Direct	23	1.6	1	16.7	0	0	2	20
Other/Unknown	40	2.8	0	0.0	2	0	4	34
<b>Total</b>	<b>1,430</b>	<b>100.0</b>	<b>6</b>	<b>100.0</b>	<b>25</b>	<b>45</b>	<b>99</b>	<b>1,255</b>

Relationship to Roadway								
Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	1,245	87.1	5	83.3	12	27	69	1,132
Median	7	0.5	0	0.0	1	1	1	4
Shoulder	48	3.4	0	0.0	4	3	5	36
Outside of Shoulder/Curb	106	7.4	1	16.7	5	13	19	68
Gore	1	0.1	0	0.0	1	0	0	0
Other/Unknown	23	1.6	0	0.0	2	1	5	15
<b>Total</b>	<b>1,430</b>	<b>100.0</b>	<b>6</b>	<b>100.0</b>	<b>25</b>	<b>45</b>	<b>99</b>	<b>1,255</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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	3	4	2	2	0	1	0	0	1
21 - 64	38	37	27	34	0	2	2	5	25
65 +	2	2	2	2	0	0	0	1	1
Other/Unknown	5	0	0	1	0	0	0	0	1
<b>TOTAL</b>	<b>48</b>	<b>43</b>	<b>31</b>	<b>39</b>	<b>0</b>	<b>3</b>	<b>2</b>	<b>6</b>	<b>28</b>

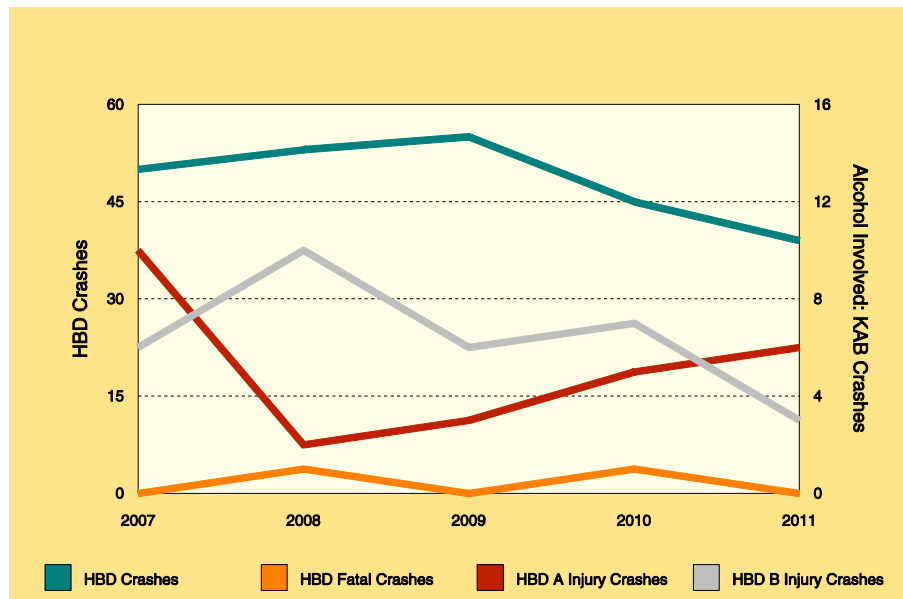
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

DELTA	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	1,778	50	2.8	1	0	0.0	42	10	23.8	65	6	9.2
2008	1,694	53	3.1	4	1	25.0	14	2	14.3	68	10	14.7
2009	1,632	55	3.4	1	0	0.0	28	3	10.7	62	6	9.7
2010	1,449	45	3.1	6	1	16.7	30	5	16.7	67	7	10.5
2011	1,430*	39*	2.7	6	0	0.0	25	6	24.0	45*	3*	6.7

\* Lowest number reported in the 5-year period.

## Restraint use among reported vehicle occupants by vehicle type

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	1,262	1,141	90.4	5	4	80.0	15	9	60.0	30	28	93.3	78	71	91.0	1,088	1,028	94.5
Van, motorhome	116	102	87.9	1	0	0.0	3	1	33.3	2	2	100.0	8	6	75.0	97	93	95.9
Pickup truck	448	416	92.9	0	0	0.0	6	4	66.7	9	9	100.0	32	29	90.6	387	374	96.6
Small truck under 10,000 lbs. GVWR	57	54	94.7	0	0	0.0	0	0	0.0	1	1	100.0	5	5	100.0	50	48	96.0
Cycle	14	14	100.0	1	1	100.0	1	1	100.0	4	4	100.0	4	4	100.0	4	4	100.0
Moped	5	5	100.0	0	0	0.0	0	0	0.0	3	3	100.0	1	1	100.0	1	1	100.0
Go 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)	5	4	80.0	0	0	0.0	2	2	100.0	1	1	100.0	2	1	50.0	0	0	0.0
Other	2	1	50.0	0	0	0.0	1	0	0.0	0	0	0.0	1	1	100.0	0	0	0.0
Truck/bus over 10,000 lbs.	38	35	92.1	0	0	0.0	1	1	100.0	0	0	0.0	1	1	100.0	35	33	94.3
Uncoded & errors	18	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	6	0	0.0
<b>TOTAL</b>	<b>1,965</b>	<b>1,772</b>	<b>90.2</b>	<b>7</b>	<b>5</b>	<b>71.4</b>	<b>29</b>	<b>18</b>	<b>62.1</b>	<b>50</b>	<b>48</b>	<b>96.0</b>	<b>132</b>	<b>119</b>	<b>90.2</b>	<b>1,668</b>	<b>1,581</b>	<b>94.8</b>

## Restraint use among reported vehicle occupants by age

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	16	13	81.3	0	0	0.0	1	1	100.0	5	5	100.0	10	7	70.0	0	0	0.0
16 - 20	207	193	93.2	1	0	0.0	9	5	55.6	10	9	90.0	15	11	73.3	172	168	97.7
21 - 64	1,375	1,322	96.1	4	3	75.0	17	10	58.8	25	25	100.0	86	83	96.5	1,242	1,200	96.6
65 +	252	243	96.4	2	2	100.0	2	2	100.0	10	9	90.0	20	18	90.0	217	212	97.7
Other/Unknown	115	1	0.9	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0	37	1	2.7
<b>TOTAL</b>	<b>1,965</b>	<b>1,772</b>	<b>90.2</b>	<b>7</b>	<b>5</b>	<b>71.4</b>	<b>29</b>	<b>18</b>	<b>62.1</b>	<b>50</b>	<b>48</b>	<b>96.0</b>	<b>132</b>	<b>119</b>	<b>90.2</b>	<b>1,668</b>	<b>1,581</b>	<b>94.8</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers  
in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol- involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Baldwin Twp.	1	0	0	1	0	0	0	0	1
Bark River Twp.	4	3	3	3	0	0	1	0	2
Bay De Noc Twp.	0	0	0	0	0	0	0	0	0
Brampton Twp.	0	0	0	0	0	0	0	0	0
Cornell Twp.	2	2	2	2	0	1	0	1	0
Ensign Twp.	1	1	1	1	0	0	1	0	0
Escanaba	19	12	11	14	0	0	0	0	14
Escanaba Twp.	2	5	2	2	0	0	0	0	2
Fairbanks Twp.	0	0	0	0	0	0	0	0	0
Ford River Twp.	4	4	4	4	0	1	0	1	2
Garden	0	0	0	0	0	0	0	0	0
Garden Twp.	1	1	1	1	0	0	0	1	0
Gladstone	4	5	2	2	0	0	0	0	2
Maple Ridge Twp.	1	1	1	1	0	1	0	0	0
Masonville Twp.	3	2	1	3	0	0	0	2	1
Nahma Twp.	0	0	0	0	0	0	0	0	0
Wells Twp.	6	7	3	5	0	0	0	1	4
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Delta County TOTAL</b>	<b>48</b>	<b>43</b>	<b>31</b>	<b>39</b>	<b>0</b>	<b>3</b>	<b>2</b>	<b>6</b>	<b>28</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Baldwin Twp.	39	0	0	4	1	0	0	0	1	0	0	0
Bark River Twp.	82	0	0	15	3	0	0	3	6	0	0	6
Bay De Noc Twp.	19	0	0	0	0	0	0	0	1	0	0	0
Brampton Twp.	47	0	0	4	0	0	0	0	3	0	0	2
Cornell Twp.	50	0	0	3	2	0	0	3	4	0	0	0
Ensign Twp.	51	0	0	5	1	0	0	0	2	0	0	2
Escanaba	380	0	0	79	14	0	0	3	18	0	0	1
Escanaba Twp.	95	2	2	9	2	0	0	1	6	0	0	1
Fairbanks Twp.	10	0	0	1	0	0	0	0	0	0	0	0
Ford River Twp.	95	0	0	13	4	0	0	1	7	0	0	3
Garden	2	0	0	0	0	0	0	0	0	0	0	0
Garden Twp.	35	0	0	6	1	0	0	1	4	0	0	3
Gladstone	122	1	1	23	2	0	0	0	6	1	1	0
Maple Ridge Twp.	68	0	0	5	1	0	0	1	8	0	0	3
Masonville Twp.	134	2	3	18	3	0	0	2	5	0	0	2
Nahma Twp.	32	0	0	1	0	0	0	0	2	0	0	0
Wells Twp.	169	1	1	36	5	0	0	4	11	1	1	3
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Delta County TOTAL</b>	<b>1,430</b>	<b>6</b>	<b>7</b>	<b>222</b>	<b>39</b>	<b>0</b>	<b>0</b>	<b>19</b>	<b>84</b>	<b>2</b>	<b>2</b>	<b>26</b>

## Restraint use among reported vehicle occupants by municipality

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Baldwin Twp.	42	39	92.9	0	0	0.0	1	1	100.0	1	1	100.0	2	2	100.0	38	35	92.1
Bark River Twp.	96	89	92.7	0	0	0.0	7	3	42.9	3	3	100.0	4	4	100.0	80	79	98.8
Bay De Noc Twp.	19	19	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	19	19	100.0
Brampton Twp.	52	51	98.1	0	0	0.0	0	0	0.0	0	0	0.0	4	4	100.0	47	47	100.0
Cornell Twp.	52	48	92.3	0	0	0.0	0	0	0.0	0	0	0.0	3	3	100.0	49	45	91.8
Ensign Twp.	55	55	100.0	0	0	0.0	0	0	0.0	1	1	100.0	4	4	100.0	50	50	100.0
Escanaba	706	607	86.0	0	0	0.0	7	4	57.1	15	15	100.0	50	41	82.0	592	546	92.2
Escanaba Twp.	109	104	95.4	2	2	100.0	1	1	100.0	4	4	100.0	4	4	100.0	95	93	97.9
Fairbanks Twp.	10	9	90.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	9	8	88.9
Ford River Twp.	106	101	95.3	0	0	0.0	3	2	66.7	4	3	75.0	6	5	83.3	92	91	98.9
Garden	2	2	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0
Garden Twp.	39	36	92.3	0	0	0.0	1	0	0.0	2	1	50.0	3	3	100.0	33	32	97.0
Gladstone	204	168	82.4	1	0	0.0	2	2	100.0	6	6	100.0	13	12	92.3	162	148	91.4
Maple Ridge Twp.	70	69	98.6	0	0	0.0	0	0	0.0	2	2	100.0	3	2	66.7	65	65	100.0
Masonville Twp.	155	143	92.3	3	3	100.0	2	2	100.0	7	7	100.0	9	8	88.9	130	123	94.6
Nahma Twp.	34	33	97.1	0	0	0.0	0	0	0.0	1	1	100.0	0	0	0.0	33	32	97.0
Wells Twp.	214	199	93.0	1	0	0.0	5	3	60.0	4	4	100.0	26	26	100.0	172	166	96.5
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Delta County TOTAL</b>	<b>1,965</b>	<b>1,772</b>	<b>90.2</b>	<b>7</b>	<b>5</b>	<b>71.4</b>	<b>29</b>	<b>18</b>	<b>62.1</b>	<b>50</b>	<b>48</b>	<b>96.0</b>	<b>132</b>	<b>119</b>	<b>90.2</b>	<b>1,668</b>	<b>1,581</b>	<b>94.8</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	78	0	8	70	0	11
February	58	0	5	53	0	5
March	79	0	9	70	0	10
April	55	0	7	48	0	10
May	57	0	8	49	0	12
June	90	1	14	75	1	25
July	67	0	10	57	0	16
August	80	0	10	70	0	14
September	103	0	9	94	0	12
October	99	2	4	93	2	7
November	120	0	12	108	0	13
December	107	0	12	95	0	15
<b>TOTAL</b>	<b>993</b>	<b>3</b>	<b>108</b>	<b>882</b>	<b>3</b>	<b>150</b>

In Dickinson County in 2011 there were:  
993 crashes

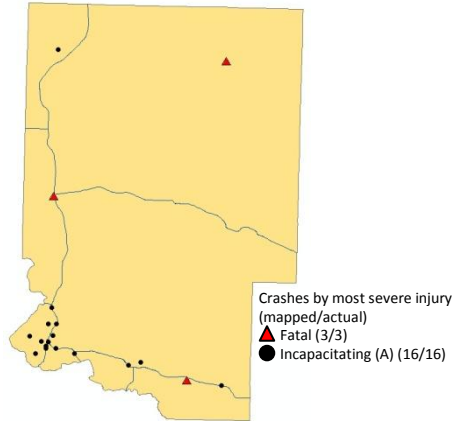
Involving:

1,486 people

1,478 motor vehicle drivers and passengers

4 bicyclists

4 pedestrians



## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	4,790	195	8	16.7	410.3
16 - 20	1,625	1,688	141	867.7	835.3
21 - 64	14,786	14,563	912	616.8	626.2
65 +	4,967	4,339	180	362.4	414.8
Other/Unknown	--	--	49	--	--
<b>TOTAL</b>	<b>26,168</b>	<b>20,785</b>	<b>1,290</b>	<b>493.0</b>	<b>620.6</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Dickinson County Experience

Dickinson County experienced the highest number of fatal crashes (2) and the highest number of persons killed (2) in October.

Dickinson County driver statistics indicate 8.1 percent of licensed drivers were age 16-20, and 10.9 percent of drivers in that age group were involved in crashes.



## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	840	65.1	1	33.3	122	717
Van, motorhome	58	4.5	0	0.0	8	50
Pickup truck	278	21.6	1	33.3	29	248
Small truck under 10,000 lbs. GVWR	52	4.0	0	0.0	7	45
Cycle	10	0.8	1	33.3	8	1
Moped	1	0.1	0	0.0	1	0
Go 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)	1	0.1	0	0.0	1	0
Other	4	0.3	0	0.0	0	4
Truck/bus over 10,000 lbs.	31	2.4	0	0.0	9	22
Unknown	15	1.2	0	0.0	2	13
<b>TOTAL</b>	<b>1,290</b>	<b>100.0</b>	<b>3</b>	<b>100.0</b>	<b>187</b>	<b>1,100</b>

Crash Type								
	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	714	71.9	3	100.0	8	7	24	672
Head On	10	1.0	0	0.0	1	0	3	6
Head On - Left Turn	17	1.7	0	0.0	1	1	3	12
Angle	91	9.2	0	0.0	4	6	16	65
Rear End	88	8.9	0	0.0	1	2	18	67
Rear End - Left Turn	5	0.5	0	0.0	0	0	3	2
Rear End - Right Turn	4	0.4	0	0.0	0	0	0	4
Sideswipe - Same Direction	32	3.2	0	0.0	0	1	2	29
Sideswipe - Opposite Direct	11	1.1	0	0.0	1	0	2	8
Other/Unknown	21	2.1	0	0.0	0	0	4	17
<b>Total</b>	<b>993</b>	<b>100.0</b>	<b>3</b>	<b>100.0</b>	<b>16</b>	<b>17</b>	<b>75</b>	<b>882</b>

Relationship to Roadway								
Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	842	84.8	0	0.0	10	11	58	763
Median	0	0.0	0	0.0	0	0	0	0
Shoulder	41	4.1	1	33.3	4	1	4	31
Outside of Shoulder/Curb	98	9.9	2	66.7	2	3	12	79
Gore	0	0.0	0	0.0	0	0	0	0
Other/Unknown	12	1.2	0	0.0	0	2	1	9
<b>Total</b>	<b>993</b>	<b>100.0</b>	<b>3</b>	<b>100.0</b>	<b>16</b>	<b>17</b>	<b>75</b>	<b>882</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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	4	5	4	4	0	0	0	0	4
21 - 64	27	32	20	24	0	0	1	1	22
65 +	4	2	2	4	0	0	0	1	3
Other/Unknown	3	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>38</b>	<b>39</b>	<b>26</b>	<b>32</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>29</b>

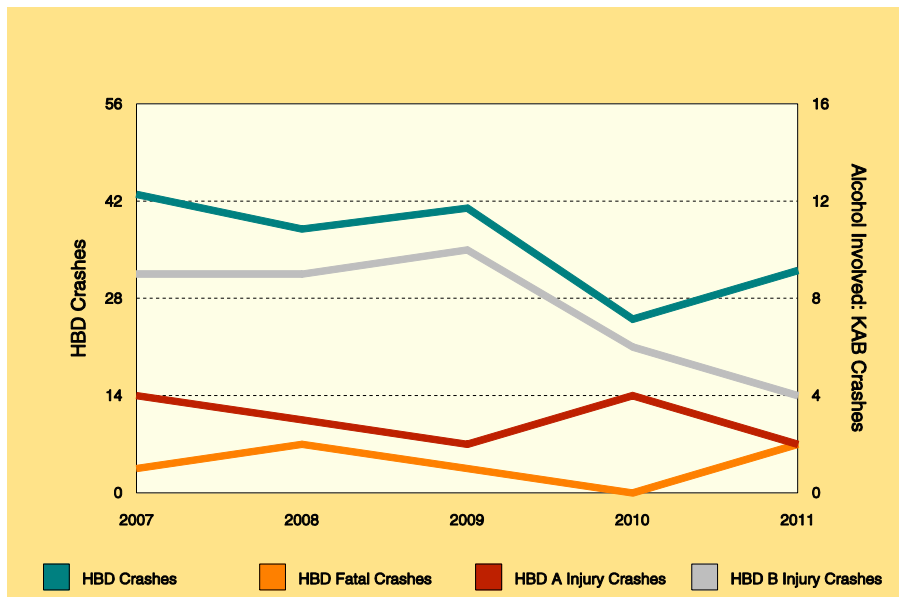
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

DICKINSON	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	1,077	43	4.0	2	1	50.0	18	4	22.2	33	9	27.3
2008	1,097	38	3.5	2	2	100.0	22	3	13.6	38	9	23.7
2009	1,031	41	4.0	3	1	33.3	8	2	25.0	30	10	33.3
2010	946	25	2.6	0	0	0.0	17	4	23.5	38	6	15.8
2011	993	32	3.2	3	2	66.7	16	2	12.5	17*	4*	23.5

\* Lowest number reported in the 5-year period.

## Restraint use among reported vehicle occupants by vehicle type

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	870	831	95.5	1	0	0.0	9	6	66.7	12	12	100.0	79	74	93.7	756	739	97.8
Van, motorhome	60	57	95.0	0	0	0.0	0	0	0.0	1	1	100.0	5	5	100.0	53	51	96.2
Pickup truck	283	253	89.4	1	0	0.0	1	1	100.0	4	2	50.0	14	12	85.7	248	238	96.0
Small truck under 10,000 lbs. GVWR	54	54	100.0	0	0	0.0	0	0	0.0	1	1	100.0	4	4	100.0	49	49	100.0
Cycle	11	9	81.8	1	1	100.0	5	3	60.0	2	2	100.0	2	2	100.0	0	0	0.0
Moped	1	1	100.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	0	0	0.0
Go 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)	1	1	100.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	0	0	0.0
Other	4	3	75.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	4	3	75.0
Truck/bus over 10,000 lbs.	31	29	93.5	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	30	28	93.3
Uncoded & errors	15	1	6.7	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0
<b>TOTAL</b>	<b>1,330</b>	<b>1,239</b>	<b>93.2</b>	<b>3</b>	<b>1</b>	<b>33.3</b>	<b>15</b>	<b>10</b>	<b>66.7</b>	<b>20</b>	<b>18</b>	<b>90.0</b>	<b>107</b>	<b>100</b>	<b>93.5</b>	<b>1,141</b>	<b>1,109</b>	<b>97.2</b>

## Restraint use among reported vehicle occupants by age

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	17	16	94.1	0	0	0.0	0	0	0.0	1	1	100.0	9	9	100.0	7	6	85.7
16 - 20	146	138	94.5	0	0	0.0	4	3	75.0	3	3	100.0	11	10	90.9	128	122	95.3
21 - 64	925	897	97.0	2	1	50.0	9	6	66.7	11	9	81.8	64	59	92.2	839	822	98.0
65 +	192	187	97.4	1	0	0.0	2	1	50.0	5	5	100.0	22	22	100.0	162	159	98.1
Other/Unknown	50	1	2.0	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0	5	0	0.0
<b>TOTAL</b>	<b>1,330</b>	<b>1,239</b>	<b>93.2</b>	<b>3</b>	<b>1</b>	<b>33.3</b>	<b>15</b>	<b>10</b>	<b>66.7</b>	<b>20</b>	<b>18</b>	<b>90.0</b>	<b>107</b>	<b>100</b>	<b>93.5</b>	<b>1,141</b>	<b>1,109</b>	<b>97.2</b>



Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality									
Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Breen Twp.	2	2	2	2	0	0	0	0	2
Breitung Twp.	6	6	4	6	0	0	0	0	6
Felch Twp.	3	3	1	2	0	0	0	0	2
Iron Mountain	9	10	7	7	0	0	0	0	7
Kingsford	4	3	2	2	0	0	0	1	1
Norway	6	4	3	5	0	0	0	0	5
Norway Twp.	2	2	2	2	0	0	0	0	2
Sagola Twp.	4	7	3	4	0	0	1	0	3
Waucedah Twp.	1	1	1	1	0	0	0	0	1
West Branch Twp.	1	1	1	1	0	0	0	1	0
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Dickinson County TOTAL</b>	<b>38</b>	<b>39</b>	<b>26</b>	<b>32</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>29</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Breen Twp.	23	0	0	1	2	0	0	0	3	0	0	0
Breitung Twp.	281	0	0	29	6	0	0	1	37	0	0	5
Felch Twp.	61	0	0	3	2	0	0	1	6	0	0	2
Iron Mountain	173	0	0	68	7	0	0	5	7	0	0	4
Kingsford	71	0	0	14	2	0	0	1	2	0	0	0
Norway	99	0	0	20	5	0	0	3	11	0	0	5
Norway Twp.	81	0	0	5	2	0	0	0	15	0	0	0
Sagola Twp.	131	1	1	5	4	1	1	1	14	0	0	1
Waucedah Twp.	66	1	1	3	1	0	0	0	7	1	1	0
West Branch Twp.	7	1	1	2	1	1	1	1	1	0	0	1
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Dickinson County TOTAL</b>	<b>993</b>	<b>3</b>	<b>3</b>	<b>150</b>	<b>32</b>	<b>2</b>	<b>2</b>	<b>13</b>	<b>103</b>	<b>1</b>	<b>1</b>	<b>18</b>

**Restraint use among reported vehicle occupants by municipality**

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Breen Twp.	25	25	100.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	24	24	100.0
Breitung Twp.	331	316	95.5	0	0	0.0	3	2	66.7	4	4	100.0	22	22	100.0	300	288	96.0
Felch Twp.	66	59	89.4	0	0	0.0	0	0	0.0	2	1	50.0	1	1	100.0	60	57	95.0
Iron Mountain	329	307	93.3	0	0	0.0	7	6	85.7	8	8	100.0	48	46	95.8	249	246	98.8
Kingsford	126	108	85.7	0	0	0.0	0	0	0.0	1	1	100.0	10	8	80.0	104	99	95.2
Norway	143	132	92.3	0	0	0.0	3	1	33.3	2	2	100.0	15	14	93.3	115	115	100.0
Norway Twp.	94	90	95.7	0	0	0.0	0	0	0.0	1	1	100.0	4	4	100.0	88	85	96.6
Sagola Twp.	140	130	92.9	1	1	100.0	1	0	0.0	2	1	50.0	2	2	100.0	132	126	95.5
Waucedah Twp.	67	66	98.5	1	0	0.0	1	1	100.0	0	0	0.0	2	2	100.0	63	63	100.0
West Branch Twp.	9	6	66.7	1	0	0.0	0	0	0.0	0	0	0.0	2	0	0.0	6	6	100.0
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Dickinson County TOTAL</b>	<b>1,330</b>	<b>1,239</b>	<b>93.2</b>	<b>3</b>	<b>1</b>	<b>33.3</b>	<b>15</b>	<b>10</b>	<b>66.7</b>	<b>20</b>	<b>18</b>	<b>90.0</b>	<b>107</b>	<b>100</b>	<b>93.5</b>	<b>1,141</b>	<b>1,109</b>	<b>97.2</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	362	2	46	314	2	57
February	309	0	44	265	0	68
March	246	0	39	207	0	54
April	213	1	38	174	1	60
May	232	2	39	191	2	58
June	277	2	52	223	2	73
July	203	0	41	162	0	63
August	219	0	46	173	0	58
September	167	0	43	124	0	56
October	334	0	42	292	0	69
November	427	1	38	388	1	50
December	313	1	29	283	1	36
<b>TOTAL</b>	<b>3,302</b>	<b>9</b>	<b>497</b>	<b>2,796</b>	<b>9</b>	<b>702</b>

In Eaton County in 2011 there were:  
3,302 crashes

Involving:

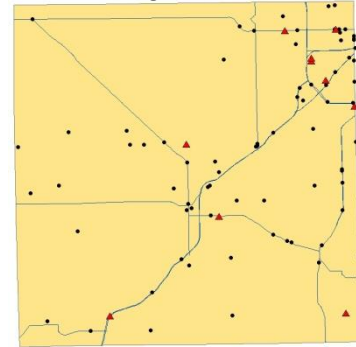
5,738 people

5,707 motor vehicle drivers and passengers

15 bicyclists

15 pedestrians

1 train engineer



Crashes by most severe injury (mapped/actual)  
 ▲ Fatal (9/9)  
 ● Incapacitating (A) (73/73)

## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	21,875	631	7	3.2	110.9
16 - 20	7,693	5,879	593	770.8	1008.7
21 - 64	63,083	60,390	3,649	578.4	604.2
65 +	15,108	14,155	435	287.9	307.3
Other/Unknown	--	--	210	--	--
<b>TOTAL</b>	<b>107,759</b>	<b>81,055</b>	<b>4,894</b>	<b>454.2</b>	<b>603.8</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	3,621	74.0	7	53.8	632	2,982
Van, motorhome	269	5.5	0	0.0	40	229
Pickup truck	691	14.1	2	15.4	118	571
Small truck under 10,000 lbs. GVWR	94	1.9	0	0.0	15	79
Cycle	29	0.6	3	23.1	20	6
Moped	3	0.1	0	0.0	2	1
Go 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)	0	0.0	0	0.0	0	0
Other	17	0.3	0	0.0	7	10
Truck/bus over 10,000 lbs.	115	2.3	1	7.7	20	94
Unknown	55	1.1	0	0.0	3	52
<b>TOTAL</b>	<b>4,894</b>	<b>100.0</b>	<b>13</b>	<b>100.0</b>	<b>857</b>	<b>4,024</b>

## Eaton County Experience

Eaton County experienced the highest number of fatal crashes (2) and the highest number of persons killed (2) in January, May, and June.

Eaton County driver statistics indicate 7.3 percent of licensed drivers were age 16-20, and 12.1 percent of drivers in that age group were involved in crashes.

In Eaton County, motorcycles accounted for only 0.6 percent of the total vehicles in crashes, but were involved in 23.1 percent of the total fatal crashes.



Crash Type								
	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	1,819	55.1	5	55.6	32	61	81	1,640
Head On	30	0.9	1	11.1	4	8	7	10
Head On - Left Turn	37	1.1	1	11.1	4	4	10	18
Angle	517	15.7	2	22.2	24	39	91	361
Rear End	503	15.2	0	0.0	7	7	77	412
Rear End - Left Turn	24	0.7	0	0.0	0	3	2	19
Rear End - Right Turn	25	0.8	0	0.0	1	0	3	21
Sideswipe - Same Direction	219	6.6	0	0.0	0	6	12	201
Sideswipe - Opposite Direct	51	1.5	0	0.0	0	1	4	46
Other/Unknown	77	2.3	0	0.0	1	2	6	68
<b>Total</b>	<b>3,302</b>	<b>100.0</b>	<b>9</b>	<b>100.0</b>	<b>73</b>	<b>131</b>	<b>293</b>	<b>2,796</b>

Relationship to Roadway								
Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	2,764	83.7	4	44.4	45	89	232	2,394
Median	16	0.5	0	0.0	1	3	1	11
Shoulder	136	4.1	2	22.2	6	9	12	107
Outside of Shoulder/Curb	314	9.5	3	33.3	21	25	41	224
Gore	6	0.2	0	0.0	0	1	1	4
Other/Unknown	66	2.0	0	0.0	0	4	6	56
<b>Total</b>	<b>3,302</b>	<b>100.0</b>	<b>9</b>	<b>100.0</b>	<b>73</b>	<b>131</b>	<b>293</b>	<b>2,796</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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	11	8	6	7	0	0	0	0	7
21 - 64	128	94	78	97	0	6	3	7	81
65 +	6	1	1	3	0	0	0	0	3
Other/Unknown	6	0	0	1	0	0	0	0	1
<b>TOTAL</b>	<b>151</b>	<b>103</b>	<b>85</b>	<b>108</b>	<b>0</b>	<b>6</b>	<b>3</b>	<b>7</b>	<b>92</b>

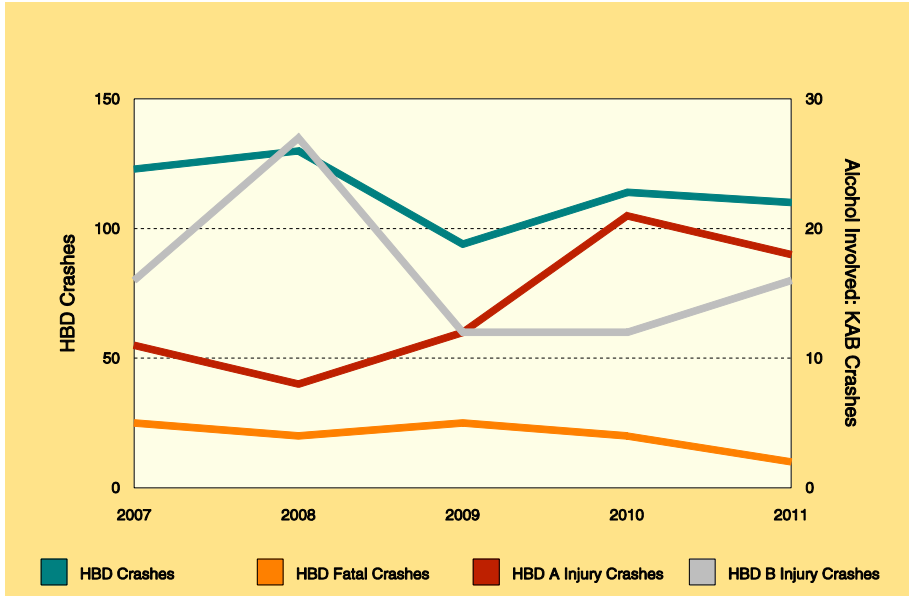
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

EATON	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	4,071	123	3.0	14	5	35.7	61	11	18.0	185	16	8.7
2008	4,016	130	3.2	12	4	33.3	75	8	10.7	164	27	16.5
2009	3,585	94	2.6	18	5	27.8	59	12	20.3	143	12	8.4
2010	3,609	114	3.2	8	4	50.0	98	21	21.4	142	12	8.5
2011	3,302*	110	3.3	9	2*	22.2	73	18	24.7	131*	16	12.2

\* Lowest number reported in the 5-year period.

## Restraint use among reported vehicle occupants by vehicle type

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	3,755	3,561	94.8	5	2	40.0	63	50	79.4	115	108	93.9	326	309	94.8	3,142	3,083	98.1
Van, motorhome	283	270	95.4	0	0	0.0	5	5	100.0	6	6	100.0	26	23	88.5	237	235	99.2
Pickup truck	715	665	93.0	1	0	0.0	8	2	25.0	29	24	82.8	51	49	96.1	600	588	98.0
Small truck under 10,000 lbs. GVWR	97	89	91.8	0	0	0.0	3	1	33.3	0	0	0.0	10	10	100.0	79	78	98.7
Cycle	31	30	96.8	3	3	100.0	6	6	100.0	10	10	100.0	6	6	100.0	6	5	83.3
Moped	3	0	0.0	0	0	0.0	2	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Go 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)	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Other	17	7	41.2	0	0	0.0	0	0	0.0	1	0	0.0	1	0	0.0	13	7	53.8
Truck/bus over 10,000 lbs.	116	111	95.7	0	0	0.0	1	0	0.0	2	2	100.0	7	6	85.7	105	102	97.1
Uncoded & errors	55	1	1.8	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	3	1	33.3
<b>TOTAL</b>	<b>5,072</b>	<b>4,734</b>	<b>93.3</b>	<b>9</b>	<b>5</b>	<b>55.6</b>	<b>88</b>	<b>64</b>	<b>72.7</b>	<b>163</b>	<b>150</b>	<b>92.0</b>	<b>427</b>	<b>403</b>	<b>94.4</b>	<b>4,185</b>	<b>4,099</b>	<b>97.9</b>

## Restraint use among reported vehicle occupants by age

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	51	48	94.1	0	0	0.0	4	2	50.0	10	10	100.0	32	31	96.9	5	5	100.0
16 - 20	625	613	98.1	0	0	0.0	15	11	73.3	22	20	90.9	52	50	96.2	534	530	99.3
21 - 64	3,729	3,627	97.3	8	4	50.0	62	47	75.8	110	101	91.8	290	275	94.8	3,246	3,189	98.2
65 +	452	444	98.2	1	1	100.0	5	4	80.0	21	19	90.5	49	47	95.9	376	373	99.2
Other/Unknown	215	2	0.9	0	0	0.0	2	0	0.0	0	0	0.0	4	0	0.0	24	2	8.3
<b>TOTAL</b>	<b>5,072</b>	<b>4,734</b>	<b>93.3</b>	<b>9</b>	<b>5</b>	<b>55.6</b>	<b>88</b>	<b>64</b>	<b>72.7</b>	<b>163</b>	<b>150</b>	<b>92.0</b>	<b>427</b>	<b>403</b>	<b>94.4</b>	<b>4,185</b>	<b>4,099</b>	<b>97.9</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Bellevue	0	0	0	0	0	0	0	0	0
Bellevue Twp.	4	3	3	4	0	0	0	1	3
Benton Twp.	6	5	3	4	0	0	0	0	4
Brookfield Twp.	0	0	0	0	0	0	0	0	0
Carmel Twp.	1	1	1	1	0	0	0	0	1
Charlotte	8	4	4	4	0	0	0	0	4
Chester Twp.	0	0	0	0	0	0	0	0	0
Delta Twp.	61	39	33	41	0	1	1	2	37
Dimondale	1	0	0	1	0	0	0	0	1
Eaton Rapids	0	0	0	0	0	0	0	0	0
Eaton Rapids Twp.	5	3	2	4	0	1	0	0	3
Eaton Twp.	1	2	1	1	0	0	0	1	0
Grand Ledge	7	4	4	4	0	1	1	0	2
Hamlin Twp.	12	8	7	9	0	1	0	1	7
Kalamo Twp.	1	1	0	1	0	0	0	0	1
Lansing	2	4	2	2	0	0	0	0	2
Mulliken	1	1	1	1	0	0	0	0	1
Olivet	2	1	1	2	0	0	0	0	2
Oneida Twp	6	3	3	4	0	0	0	0	4
Pottersville	3	4	2	2	0	0	0	0	2
Roxand Twp.	1	1	1	1	0	0	0	0	1
Sunfield	0	0	0	0	0	0	0	0	0
Sunfield Twp.	1	1	1	1	0	0	0	0	1
Vermontville	0	0	0	0	0	0	0	0	0
Vermontville Twp.	3	2	2	3	0	0	0	0	3
Walton Twp.	1	2	1	1	0	0	0	1	0
Windsor Twp.	24	14	13	17	0	2	1	1	13
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Eaton County TOTAL</b>	<b>151</b>	<b>103</b>	<b>85</b>	<b>108</b>	<b>0</b>	<b>6</b>	<b>3</b>	<b>7</b>	<b>92</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Bellevue	1	0	0	0	0	0	0	0	0	0	0	0
Bellevue Twp.	102	0	0	13	4	0	0	5	16	0	0	3
Benton Twp.	106	1	1	14	4	0	0	3	13	0	0	1
Brookfield Twp.	44	0	0	9	0	0	0	0	5	0	0	1
Carmel Twp.	74	0	0	10	1	0	0	2	8	0	0	1
Charlotte	221	0	0	56	5	0	0	3	11	0	0	2
Chester Twp.	90	0	0	20	0	0	0	0	7	0	0	3
Delta Twp.	1,139	4	4	260	41	1	1	19	177	1	1	25
Dimondale	10	0	0	1	1	0	0	0	1	0	0	0
Eaton Rapids	72	0	0	17	0	0	0	0	0	0	0	0
Eaton Rapids Twp.	167	0	0	33	4	0	0	2	11	0	0	5
Eaton Twp.	172	1	1	25	1	1	1	0	21	0	0	7
Grand Ledge	121	0	0	34	4	0	0	5	10	0	0	0
Hamlin Twp.	109	1	1	30	9	0	0	8	13	1	1	6
Kalamo Twp.	69	0	0	13	1	0	0	1	9	0	0	4
Lansing	24	1	1	5	2	0	0	0	2	0	0	1
Mulliken	6	0	0	0	1	0	0	0	1	0	0	0
Olivet	17	0	0	3	2	0	0	1	4	0	0	1
Oneida Twp	84	0	0	26	5	0	0	4	20	0	0	4
Potterville	49	0	0	19	2	0	0	1	4	0	0	1
Roxand Twp.	52	0	0	6	1	0	0	0	5	0	0	2
Sunfield	2	0	0	1	0	0	0	0	1	0	0	1
Sunfield Twp.	58	0	0	10	1	0	0	0	5	0	0	0
Vermontville	4	0	0	0	0	0	0	0	0	0	0	0
Vermontville Twp.	54	0	0	12	3	0	0	3	9	0	0	7
Walton Twp.	166	1	1	26	1	0	0	0	22	0	0	13
Windsor Twp.	289	0	0	59	17	0	0	13	53	0	0	10
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Eaton County TOTAL</b>	<b>3,302</b>	<b>9</b>	<b>9</b>	<b>702</b>	<b>110</b>	<b>2</b>	<b>2</b>	<b>70</b>	<b>428</b>	<b>2</b>	<b>2</b>	<b>98</b>

Restraint use among reported vehicle occupants by municipality

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Bellevue	2	2	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0
Bellevue Twp.	113	101	89.4	0	0	0.0	5	0	0.0	4	2	50.0	4	3	75.0	97	96	99.0
Benton Twp.	142	136	95.8	1	1	100.0	2	1	50.0	5	5	100.0	7	7	100.0	124	122	98.4
Brookfield Twp.	52	51	98.1	0	0	0.0	2	2	100.0	2	2	100.0	5	5	100.0	43	42	97.7
Carmel Twp.	85	82	96.5	0	0	0.0	1	1	100.0	4	4	100.0	5	4	80.0	73	73	100.0
Charlotte	407	372	91.4	0	0	0.0	5	5	100.0	9	9	100.0	33	31	93.9	331	327	98.8
Chester Twp.	108	106	98.1	0	0	0.0	5	4	80.0	6	6	100.0	9	9	100.0	86	86	100.0
Delta Twp.	2,079	1,949	93.7	4	1	25.0	23	15	65.2	49	46	93.9	180	175	97.2	1,738	1,705	98.1
Dimondale	18	13	72.2	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	13	12	92.3
Eaton Rapids	132	122	92.4	0	0	0.0	1	0	0.0	4	4	100.0	10	10	100.0	109	108	99.1
Eaton Rapids Twp.	203	194	95.6	0	0	0.0	7	6	85.7	2	2	100.0	23	22	95.7	165	163	98.8
Eaton Twp.	220	212	96.4	1	1	100.0	5	5	100.0	8	8	100.0	12	12	100.0	191	186	97.4
Grand Ledge	234	205	87.6	0	0	0.0	1	1	100.0	5	5	100.0	27	23	85.2	183	176	96.2
Hamlin Twp.	131	119	90.8	1	0	0.0	3	2	66.7	8	6	75.0	19	17	89.5	95	92	96.8
Kalamo Twp.	79	76	96.2	0	0	0.0	3	3	100.0	4	4	100.0	4	4	100.0	67	65	97.0
Lansing	39	30	76.9	1	1	100.0	0	0	0.0	2	2	100.0	3	3	100.0	25	24	96.0
Mulliken	9	9	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	9	9	100.0
Olivet	27	23	85.2	0	0	0.0	0	0	0.0	1	1	100.0	2	1	50.0	22	21	95.5
Oneida Twp	118	109	92.4	0	0	0.0	1	1	100.0	11	8	72.7	13	13	100.0	91	87	95.6
Pottersville	82	77	93.9	0	0	0.0	7	6	85.7	2	2	100.0	10	10	100.0	62	59	95.2
Roxand Twp.	63	59	93.7	0	0	0.0	0	0	0.0	1	1	100.0	5	3	60.0	56	55	98.2
Sunfield	2	2	100.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	1	1	100.0
Sunfield Twp.	77	75	97.4	0	0	0.0	1	1	100.0	6	5	83.3	3	3	100.0	67	66	98.5
Vermontville	7	5	71.4	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	5	5	100.0
Vermontville Twp.	60	57	95.0	0	0	0.0	2	1	50.0	6	6	100.0	4	3	75.0	48	47	97.9
Walton Twp.	198	190	96.0	1	1	100.0	5	5	100.0	9	9	100.0	12	12	100.0	165	162	98.2
Windsor Twp.	385	358	93.0	0	0	0.0	9	5	55.6	15	13	86.7	35	31	88.6	317	308	97.2
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Eaton County TOTAL</b>	<b>5,072</b>	<b>4,734</b>	<b>93.3</b>	<b>9</b>	<b>5</b>	<b>55.6</b>	<b>88</b>	<b>64</b>	<b>72.7</b>	<b>163</b>	<b>150</b>	<b>92.0</b>	<b>427</b>	<b>403</b>	<b>94.4</b>	<b>4,185</b>	<b>4,099</b>	<b>97.9</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	130	1	17	112	1	24
February	68	0	6	62	0	9
March	101	1	9	91	1	16
April	65	0	15	50	0	18
May	74	0	14	60	0	20
June	121	1	23	97	1	30
July	104	0	18	86	0	24
August	116	0	35	81	0	44
September	96	1	21	74	1	28
October	116	0	17	99	0	24
November	129	0	12	117	0	18
December	155	0	17	138	0	23
<b>TOTAL</b>	<b>1,275</b>	<b>4</b>	<b>204</b>	<b>1,067</b>	<b>4</b>	<b>278</b>

In Emmet County in 2011 there were:

**1,275** crashes

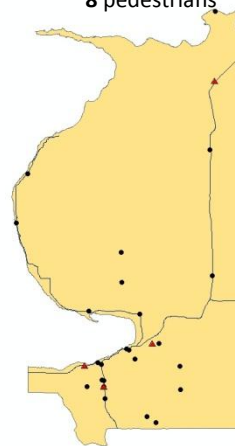
**Involving:**

**2,022** people

**2,009** motor vehicle drivers and passengers

**5** bicyclists

**8** pedestrians



Crashes by most severe injury (mapped/actual)  
 ▲ Fatal (4/4)  
 ● Incapacitating (A) (26/26)

## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	6,452	220	4	6.2	181.8
16 - 20	2,022	1,922	249	1231.5	1295.5
21 - 64	18,783	19,014	1,268	675.1	666.9
65 +	5,437	5,395	211	388.1	391.1
Other/Unknown	--	--	47	--	--
<b>TOTAL</b>	<b>32,694</b>	<b>26,551</b>	<b>1,779</b>	<b>544.1</b>	<b>670.0</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	1,309	73.6	6	75.0	220	1,083
Van, motorhome	80	4.5	0	0.0	13	67
Pickup truck	283	15.9	1	12.5	49	233
Small truck under 10,000 lbs. GVWR	26	1.5	0	0.0	2	24
Cycle	27	1.5	0	0.0	22	5
Moped	2	0.1	0	0.0	2	0
Go Cart	0	0.0	0	0.0	0	0
Snowmobile	3	0.2	0	0.0	2	1
Off-Road Vehicle (ORV) / All-Terrain Vehicle (ATV)	3	0.2	0	0.0	3	0
Other	14	0.8	0	0.0	2	12
Truck/bus over 10,000 lbs.	26	1.5	1	12.5	5	20
Unknown	6	0.3	0	0.0	0	6
<b>TOTAL</b>	<b>1,779</b>	<b>100.0</b>	<b>8</b>	<b>100.0</b>	<b>320</b>	<b>1,451</b>

## Emmet County Experience

Emmet County experienced the highest number of fatal crashes (1) and the highest number of persons killed (1) in January, March, June, and September.

Emmet County driver statistics indicate 7.2 percent of licensed drivers were age 16-20, and 14.0 percent of drivers in that age group were involved in crashes.



## Crash Type

	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	810	63.5	0	0.0	13	40	48	709
Head On	20	1.6	2	50.0	2	5	3	8
Head On - Left Turn	27	2.1	0	0.0	3	4	10	10
Angle	86	6.7	1	25.0	4	5	14	62
Rear End	196	15.4	0	0.0	1	7	24	164
Rear End - Left Turn	18	1.4	0	0.0	2	3	1	12
Rear End - Right Turn	8	0.6	0	0.0	0	0	0	8
Sideswipe - Same Direction	71	5.6	1	25.0	1	3	5	61
Sideswipe - Opposite Direct	17	1.3	0	0.0	0	1	1	15
Other/Unknown	22	1.7	0	0.0	0	4	0	18
<b>Total</b>	<b>1,275</b>	<b>100.0</b>	<b>4</b>	<b>100.0</b>	<b>26</b>	<b>72</b>	<b>106</b>	<b>1,067</b>

## Relationship to Roadway

Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	984	77.2	4	100.0	14	39	73	854
Median	3	0.2	0	0.0	0	1	0	2
Shoulder	72	5.6	0	0.0	2	11	5	54
Outside of Shoulder/Curb	177	13.9	0	0.0	6	15	23	133
Gore	15	1.2	0	0.0	2	3	1	9
Other/Unknown	24	1.9	0	0.0	2	3	4	15
<b>Total</b>	<b>1,275</b>	<b>100.0</b>	<b>4</b>	<b>100.0</b>	<b>26</b>	<b>72</b>	<b>106</b>	<b>1,067</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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	6	5	4	5	0	1	2	1	1
21 - 64	49	55	40	46	2	8	8	10	18
65 +	0	2	0	0	0	0	0	0	0
Other/Unknown	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>55</b>	<b>62</b>	<b>44</b>	<b>51</b>	<b>2</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>19</b>

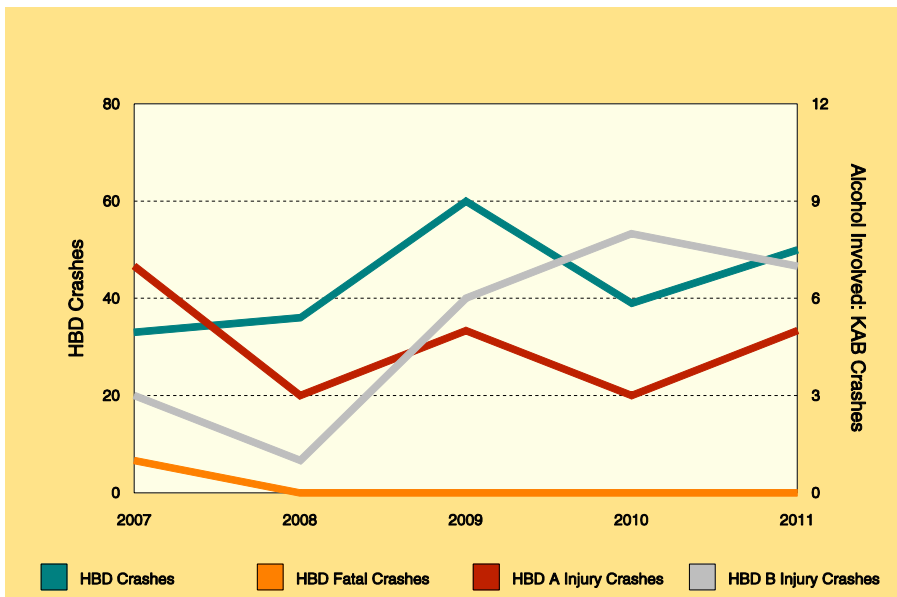
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

EMMET	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	1,462	33	2.3	3	1	33.3	30	7	23.3	61	3	4.9
2008	1,483	36	2.4	3	0	0.0	24	3	12.5	57	1	1.8
2009	1,353	60	4.4	3	0	0.0	30	5	16.7	59	6	10.2
2010	1,262	39	3.1	9	0	0.0	21	3	14.3	51	8	15.7
2011	1,275	50	3.9	4	0	0.0	26	5	19.2	72*	7	9.7

\* Highest number reported in the 5-year period.

**Restraint use among reported vehicle occupants by vehicle type**

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	1,361	1,293	95.0	3	3	100.0	16	12	75.0	57	56	98.2	113	108	95.6	1,143	1,114	97.5
Van, motorhome	84	83	98.8	0	0	0.0	1	1	100.0	3	3	100.0	7	7	100.0	73	72	98.6
Pickup truck	294	284	96.6	0	0	0.0	5	5	100.0	12	10	83.3	16	16	100.0	256	253	98.8
Small truck under 10,000 lbs. GVWR	26	24	92.3	0	0	0.0	0	0	0.0	1	1	100.0	0	0	0.0	25	23	92.0
Cycle	34	33	97.1	0	0	0.0	5	5	100.0	14	14	100.0	7	7	100.0	7	7	100.0
Moped	2	1	50.0	0	0	0.0	0	0	0.0	1	0	0.0	1	1	100.0	0	0	0.0
Go 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	3	3	100.0	0	0	0.0	1	1	100.0	0	0	0.0	1	1	100.0	1	1	100.0
Off-Road Vehicle (ORV) /All-Terrain Vehicle (ATV)	3	3	100.0	0	0	0.0	0	0	0.0	2	2	100.0	1	1	100.0	0	0	0.0
Other	14	10	71.4	0	0	0.0	0	0	0.0	1	0	0.0	1	1	100.0	12	9	75.0
Truck/bus over 10,000 lbs.	26	22	84.6	0	0	0.0	0	0	0.0	1	1	100.0	0	0	0.0	23	21	91.3
Uncoded & errors	6	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>TOTAL</b>	<b>1,853</b>	<b>1,756</b>	<b>94.8</b>	<b>3</b>	<b>3</b>	<b>100.0</b>	<b>28</b>	<b>24</b>	<b>85.7</b>	<b>92</b>	<b>87</b>	<b>94.6</b>	<b>147</b>	<b>142</b>	<b>96.6</b>	<b>1,540</b>	<b>1,500</b>	<b>97.4</b>

**Restraint use among reported vehicle occupants by age**

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	15	14	93.3	0	0	0.0	0	0	0.0	5	5	100.0	7	7	100.0	3	2	66.7
16 - 20	262	256	97.7	0	0	0.0	3	3	100.0	17	16	94.1	20	20	100.0	222	217	97.7
21 - 64	1,311	1,281	97.7	2	2	100.0	22	19	86.4	57	54	94.7	103	98	95.1	1,127	1,108	98.3
65 +	218	205	94.0	1	1	100.0	3	2	66.7	13	12	92.3	17	17	100.0	184	173	94.0
Other/Unknown	47	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	4	0	0.0
<b>TOTAL</b>	<b>1,853</b>	<b>1,756</b>	<b>94.8</b>	<b>3</b>	<b>3</b>	<b>100.0</b>	<b>28</b>	<b>24</b>	<b>85.7</b>	<b>92</b>	<b>87</b>	<b>94.6</b>	<b>147</b>	<b>142</b>	<b>96.6</b>	<b>1,540</b>	<b>1,500</b>	<b>97.4</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Alanson	2	2	1	1	0	0	1	0	0
Bear Creek Twp.	17	19	13	15	1	2	4	4	4
Bliss Twp.	0	1	0	0	0	0	0	0	0
Carp Lake Twp.	1	3	1	1	0	0	0	0	1
Center Twp.	2	1	1	2	0	1	0	0	1
Cross Village Twp	0	0	0	0	0	0	0	0	0
Friendship Twp.	3	2	2	3	0	0	1	0	2
Harbor Springs	1	1	1	1	0	0	0	0	1
Little Traverse Twp.	2	2	2	2	0	0	0	1	1
Littlefield Twp.	6	5	5	6	0	1	0	3	2
Mackinaw City	1	1	1	1	0	0	0	0	1
Maple River Twp.	2	2	2	2	0	1	1	0	0
McKinley Twp.	1	1	1	1	0	0	0	0	1
Pellston	0	0	0	0	0	0	0	0	0
Petoskey	4	8	4	4	0	0	3	1	0
Pleasant View Twp.	4	4	3	4	0	2	0	0	2
Readmond Twp.	1	1	1	1	0	0	0	1	0
Resort Twp.	5	6	4	4	0	1	0	1	2
Springvale Twp.	2	2	1	2	1	0	0	0	1
Wawatam Twp.	1	1	1	1	0	1	0	0	0
West Traverse Twp.	0	0	0	0	0	0	0	0	0
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Emmet County TOTAL</b>	<b>55</b>	<b>62</b>	<b>44</b>	<b>51</b>	<b>2</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>19</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Alanson	17	0	0	4	1	0	0	4	2	0	0	0
Bear Creek Twp.	342	2	2	92	15	0	0	11	68	0	0	14
Bliss Twp.	8	0	0	7	0	0	0	0	5	0	0	6
Carp Lake Twp.	18	1	1	6	1	0	0	2	3	0	0	2
Center Twp.	34	0	0	3	2	0	0	1	5	0	0	1
Cross Village Twp	6	0	0	0	0	0	0	0	0	0	0	0
Friendship Twp.	47	0	0	9	3	0	0	2	12	0	0	5
Harbor Springs	29	0	0	4	1	0	0	0	3	0	0	0
Little Traverse Twp.	107	0	0	30	2	0	0	0	12	0	0	7
Littlefield Twp.	62	0	0	15	6	0	0	1	15	0	0	3
Mackinaw City	17	0	0	3	1	0	0	1	3	0	0	0
Maple River Twp.	62	0	0	10	2	0	0	0	11	0	0	3
McKinley Twp.	42	0	0	5	1	0	0	0	8	0	0	3
Pellston	5	0	0	1	0	0	0	0	0	0	0	0
Petoskey	219	1	1	46	3	0	0	0	8	1	1	0
Pleasant View Twp.	51	0	0	8	4	0	0	2	17	0	0	4
Readmond Twp.	28	0	0	9	1	0	0	1	5	0	0	2
Resort Twp.	59	0	0	8	4	0	0	0	8	0	0	1
Springvale Twp.	70	0	0	13	2	0	0	1	21	0	0	8
Wawatam Twp.	4	0	0	0	1	0	0	0	0	0	0	0
West Traverse Twp.	48	0	0	5	0	0	0	0	12	0	0	1
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Emmet County TOTAL</b>	<b>1,275</b>	<b>4</b>	<b>4</b>	<b>278</b>	<b>50</b>	<b>0</b>	<b>0</b>	<b>26</b>	<b>218</b>	<b>1</b>	<b>1</b>	<b>60</b>

Restraint use among reported vehicle occupants by municipality

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Alanson	32	32	100.0	0	0	0.0	0	0	0.0	1	1	100.0	3	3	100.0	28	28	100.0
Bear Creek Twp.	527	508	96.4	1	1	100.0	11	10	90.9	27	26	96.3	47	46	97.9	435	425	97.7
Bliss Twp.	10	10	100.0	0	0	0.0	0	0	0.0	2	2	100.0	4	4	100.0	4	4	100.0
Carp Lake Twp.	23	20	87.0	1	1	100.0	0	0	0.0	5	3	60.0	1	1	100.0	16	15	93.8
Center Twp.	35	34	97.1	0	0	0.0	0	0	0.0	0	0	0.0	3	2	66.7	32	32	100.0
Cross Village Twp.	7	6	85.7	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	6	6	100.0
Friendship Twp.	53	52	98.1	0	0	0.0	1	1	100.0	3	3	100.0	5	5	100.0	44	43	97.7
Harbor Springs	46	35	76.1	0	0	0.0	2	2	100.0	0	0	0.0	1	1	100.0	35	32	91.4
Little Traverse Twp.	154	148	96.1	0	0	0.0	1	1	100.0	8	8	100.0	21	21	100.0	119	118	99.2
Littlefield Twp.	81	78	96.3	0	0	0.0	1	1	100.0	5	5	100.0	9	9	100.0	66	63	95.5
Mackinaw City	20	18	90.0	0	0	0.0	1	0	0.0	1	0	0.0	1	1	100.0	17	17	100.0
Maple River Twp.	71	69	97.2	0	0	0.0	1	1	100.0	3	3	100.0	6	6	100.0	61	59	96.7
McKinley Twp.	44	39	88.6	0	0	0.0	1	1	100.0	3	2	66.7	1	0	0.0	38	36	94.7
Pellston	6	6	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	6	6	100.0
Petoskey	439	413	94.1	1	1	100.0	3	3	100.0	16	16	100.0	26	25	96.2	374	368	98.4
Pleasant View Twp.	63	59	93.7	0	0	0.0	2	2	100.0	2	2	100.0	4	4	100.0	54	51	94.4
Readmond Twp.	31	29	93.5	0	0	0.0	1	1	100.0	5	5	100.0	3	3	100.0	22	20	90.9
Resort Twp.	71	65	91.5	0	0	0.0	1	0	0.0	4	4	100.0	3	2	66.7	63	59	93.7
Springvale Twp.	79	77	97.5	0	0	0.0	2	1	50.0	4	4	100.0	7	7	100.0	65	65	100.0
Wawatam Twp.	5	4	80.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	4	4	100.0
West Traverse Twp.	56	54	96.4	0	0	0.0	0	0	0.0	3	3	100.0	2	2	100.0	51	49	96.1
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Emmet County TOTAL</b>	<b>1,853</b>	<b>1,756</b>	<b>94.8</b>	<b>3</b>	<b>3</b>	<b>100.0</b>	<b>28</b>	<b>24</b>	<b>85.7</b>	<b>92</b>	<b>87</b>	<b>94.6</b>	<b>147</b>	<b>142</b>	<b>96.6</b>	<b>1,540</b>	<b>1,500</b>	<b>97.4</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	1,073	3	193	877	3	262
February	1,083	0	204	879	0	268
March	903	5	204	694	5	283
April	673	2	152	519	2	215
May	733	3	206	524	3	291
June	810	4	192	614	4	274
July	702	4	173	525	4	234
August	737	3	207	527	3	289
September	763	5	192	566	5	268
October	949	5	233	711	5	324
November	1,060	3	226	831	3	301
December	1,064	6	231	827	6	347
<b>TOTAL</b>	<b>10,550</b>	<b>43</b>	<b>2,413</b>	<b>8,094</b>	<b>43</b>	<b>3,356</b>

In Genesee County in 2011 there were:  
**10,550** crashes

Involving:

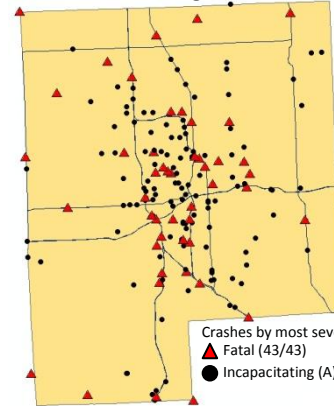
**22,070** people

**21,907** motor vehicle drivers and passengers

**46** bicyclists

**116** pedestrians

**1** train engineer



## Driver Statistics

Age Group	2010*			Drivers in Crashes	
	Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	93,265	1,821	30	3.2	164.7
16 - 20	31,436	20,405	2,275	723.7	1114.9
21 - 64	242,900	219,110	12,393	510.2	565.6
65 +	58,189	51,742	1,577	271.0	304.8
Other/Unknown	--	--	1,531	--	--
<b>TOTAL</b>	<b>425,790</b>	<b>293,078</b>	<b>17,806</b>	<b>418.2</b>	<b>607.6</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	13,349	75.0	48	69.6	3,211	10,090
Van, motorhome	901	5.1	3	4.3	217	681
Pickup truck	2,301	12.9	7	10.1	525	1,769
Small truck under 10,000 lbs. GVWR	475	2.7	2	2.9	123	350
Cycle	113	0.6	2	2.9	87	24
Moped	10	0.1	2	2.9	6	2
Go Cart	3	0.0	0	0.0	2	1
Snowmobile	1	0.0	0	0.0	1	0
Off-Road Vehicle (ORV) / All-Terrain Vehicle (ATV)	7	0.0	0	0.0	6	1
Other	40	0.2	0	0.0	11	29
Truck/bus over 10,000 lbs.	385	2.2	1	1.4	78	306
Unknown	221	1.2	4	5.8	24	193
<b>TOTAL</b>	<b>17,806</b>	<b>100.0</b>	<b>69</b>	<b>100.0</b>	<b>4,291</b>	<b>13,446</b>

## Genesee County Experience

Genesee County experienced the highest number of fatal crashes (6) and the highest number of persons killed (6) in December.

Genesee County driver statistics indicate 7.0 percent of licensed drivers were age 16-20, and 12.8 percent of drivers in that age group were involved in crashes.

In Genesee County, mopeds accounted for only 0.1 percent of the total vehicles in crashes, but were involved in 2.9 percent of the total fatal crashes.



Crash Type								
	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	3,712	35.2	23	53.5	64	224	440	2,961
Head On	204	1.9	3	7.0	9	23	55	114
Head On - Left Turn	381	3.6	3	7.0	9	32	107	230
Angle	2,093	19.8	4	9.3	25	122	499	1,443
Rear End	2,357	22.3	5	11.6	13	65	471	1,803
Rear End - Left Turn	165	1.6	1	2.3	2	13	40	109
Rear End - Right Turn	113	1.1	0	0.0	0	3	20	90
Sideswipe - Same Direction	911	8.6	1	2.3	2	19	77	812
Sideswipe - Opposite Direct	205	1.9	0	0.0	0	5	14	186
Other/Unknown	409	3.9	3	7.0	2	17	41	346
<b>Total</b>	<b>10,550</b>	<b>100.0</b>	<b>43</b>	<b>100.0</b>	<b>126</b>	<b>523</b>	<b>1,764</b>	<b>8,094</b>

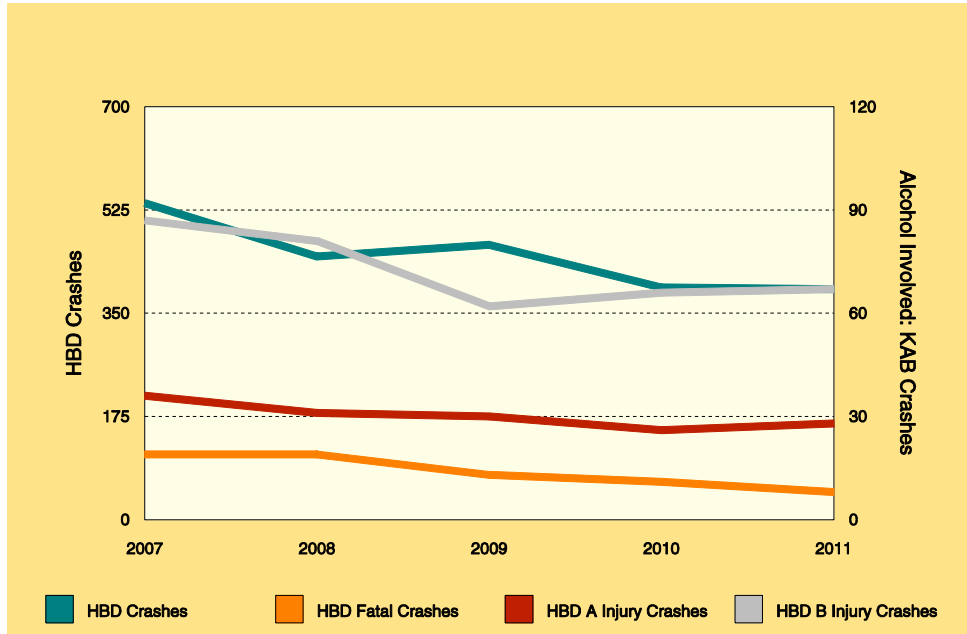
Relationship to Roadway								
Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	8,391	79.5	31	72.1	91	377	1,441	6,451
Median	230	2.2	1	2.3	2	14	48	165
Shoulder	536	5.1	1	2.3	13	34	72	416
Outside of Shoulder/Curb	1,079	10.2	7	16.3	15	75	156	826
Gore	44	0.4	1	2.3	1	4	4	34
Other/Unknown	270	2.6	2	4.7	4	19	43	202
<b>Total</b>	<b>10,550</b>	<b>100.0</b>	<b>43</b>	<b>100.0</b>	<b>126</b>	<b>523</b>	<b>1,764</b>	<b>8,094</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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	1	0	0	0	0	0	0	0
16 - 20	53	46	29	32	0	4	5	4	19
21 - 64	478	353	263	334	1	7	17	38	271
65 +	24	22	12	13	0	1	0	1	11
Other/Unknown	36	1	0	3	0	0	0	0	3
<b>TOTAL</b>	<b>591</b>	<b>423</b>	<b>304</b>	<b>382</b>	<b>1</b>	<b>12</b>	<b>22</b>	<b>43</b>	<b>304</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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

GENESEE	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	11,988	537	4.5	55	19	34.6	144	36	25.0	708	87	12.3
2008	11,443	446	3.9	37	19	51.4	130	31	23.9	615	81	13.2
2009	10,865	466	4.3	33	13	39.4	128	30	23.4	579	62	10.7
2010	10,540	394	3.7	41	11	26.8	121	26	21.5	540	66	12.2
2011	10,550	391*	3.7	43	*8	18.6	126	28	22.2	523*	67	12.8

\* Lowest number reported in the 5-year period.

**Restraint use among reported vehicle occupants by vehicle type**

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	14,061	12,393	88.1	19	7	36.8	75	53	70.7	450	383	85.1	1,965	1,805	91.9	10,672	10,099	94.6
Van, motorhome	961	842	87.6	2	2	100.0	8	5	62.5	31	27	87.1	131	119	90.8	733	684	93.3
Pickup truck	2,381	2,060	86.5	2	1	50.0	8	6	75.0	63	49	77.8	226	208	92.0	1,901	1,793	94.3
Small truck under 10,000 lbs. GVWR	511	433	84.7	0	0	0.0	2	2	100.0	19	14	73.7	76	68	89.5	380	347	91.3
Cycle	130	95	73.1	2	2	100.0	25	17	68.0	32	27	84.4	43	30	69.8	24	19	79.2
Moped	11	6	54.5	2	1	50.0	2	1	50.0	3	1	33.3	1	0	0.0	3	3	100.0
Go Cart	3	0	0.0	0	0	0.0	1	0	0.0	1	0	0.0	0	0	0.0	1	0	0.0
Snowmobile	1	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0	0	0	0.0
Off-Road Vehicle (ORV) /All-Terrain Vehicle (ATV)	9	1	11.1	0	0	0.0	0	0	0.0	7	0	0.0	1	1	100.0	0	0	0.0
Other	45	20	44.4	0	0	0.0	2	1	50.0	4	0	0.0	5	2	40.0	29	17	58.6
Truck/bus over 10,000 lbs.	403	354	87.8	1	0	0.0	3	1	33.3	2	1	50.0	29	14	48.3	353	336	95.2
Uncoded & errors	222	12	5.4	0	0	0.0	0	0	0.0	1	0	0.0	3	1	33.3	20	10	50.0
<b>TOTAL</b>	<b>18,738</b>	<b>16,216</b>	<b>86.5</b>	<b>28</b>	<b>13</b>	<b>46.4</b>	<b>126</b>	<b>86</b>	<b>68.3</b>	<b>613</b>	<b>502</b>	<b>81.9</b>	<b>2,481</b>	<b>2,248</b>	<b>90.6</b>	<b>14,116</b>	<b>13,308</b>	<b>94.3</b>

**Restraint use among reported vehicle occupants by age**

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	246	218	88.6	1	0	0.0	11	9	81.8	53	41	77.4	156	144	92.3	25	24	96.0
16 - 20	2,443	2,295	93.9	4	2	50.0	13	9	69.2	101	87	86.1	365	324	88.8	1,951	1,867	95.7
21 - 64	12,848	12,070	93.9	19	8	42.1	95	65	68.4	392	319	81.4	1,704	1,536	90.1	10,570	10,098	95.5
65 +	1,646	1,596	97.0	4	3	75.0	7	3	42.9	58	55	94.8	238	233	97.9	1,335	1,300	97.4
Other/Unknown	1,555	37	2.4	0	0	0.0	0	0	0.0	9	0	0.0	18	11	61.1	235	19	8.1
<b>TOTAL</b>	<b>18,738</b>	<b>16,216</b>	<b>86.5</b>	<b>28</b>	<b>13</b>	<b>46.4</b>	<b>126</b>	<b>86</b>	<b>68.3</b>	<b>613</b>	<b>502</b>	<b>81.9</b>	<b>2,481</b>	<b>2,248</b>	<b>90.6</b>	<b>14,116</b>	<b>13,308</b>	<b>94.3</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Argentine Twp.	4	6	4	4	0	0	0	0	4
Atlas Twp.	12	7	5	10	0	0	0	3	7
Burton	67	37	31	38	0	0	1	2	35
Clayton Twp.	2	6	2	2	0	0	0	0	2
Clio	2	1	1	1	0	0	0	0	1
Davison	0	2	0	0	0	0	0	0	0
Davison Twp.	31	21	15	18	0	4	2	6	6
Fenton	22	15	12	16	1	1	5	4	5
Fenton Twp.	19	15	14	14	0	1	3	5	5
Flint	175	99	73	102	0	1	0	7	94
Flint Twp.	58	43	33	39	0	0	1	1	37
Flushing	7	9	6	7	0	0	1	2	4
Flushing Twp.	2	7	1	2	0	0	0	0	2
Forest Twp.	5	7	5	5	0	1	0	0	4
Gaines	0	0	0	0	0	0	0	0	0
Gaines Twp.	5	3	3	4	0	0	1	0	3
Genesee Twp.	24	17	12	16	0	1	2	1	12
Goodrich	2	1	1	1	0	0	1	0	0
Grand Blanc	16	10	7	10	0	1	0	2	7
Grand Blanc Twp.	40	37	27	27	0	0	0	0	27
Lennon	0	0	0	0	0	0	0	0	0
Linden	2	3	1	1	0	0	0	0	1
Montrose	5	4	3	3	0	1	1	1	0
Montrose Twp.	3	5	3	3	0	0	0	1	2
Mt. Morris	3	5	3	3	0	0	0	0	3
Mt. Morris Twp.	24	10	5	13	0	0	0	0	13
Mundy Twp.	21	18	13	15	0	0	1	0	14
Otisville	0	0	0	0	0	0	0	0	0
Otter Lake	0	0	0	0	0	0	0	0	0
Richfield Twp.	10	6	5	8	0	1	0	0	7
Swartz Creek	4	7	3	3	0	0	0	0	3
Theftord Twp.	9	9	5	6	0	0	0	2	4
Vienna Twp.	17	13	11	11	0	0	3	6	2
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Genesee County TOTAL</b>	<b>591</b>	<b>423</b>	<b>304</b>	<b>382</b>	<b>1</b>	<b>12</b>	<b>22</b>	<b>43</b>	<b>304</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Argentine Twp.	108	1	1	22	4	0	0	3	13	0	0	4
Atlas Twp.	153	0	0	20	9	0	0	2	20	0	0	2
Burton	670	4	4	240	39	0	0	32	45	2	2	12
Clayton Twp.	149	1	1	21	2	0	0	2	30	0	0	1
Clio	33	0	0	12	1	0	0	0	0	0	0	0
Davison	102	0	0	13	0	0	0	0	1	0	0	0
Davison Twp.	458	1	1	135	18	0	0	10	66	0	0	16
Fenton	434	1	1	78	16	0	0	1	59	1	1	6
Fenton Twp.	279	0	0	71	13	0	0	5	50	0	0	6
Flint	3,005	14	14	1,220	109	5	5	109	424	3	2	121
Flint Twp.	1,292	3	3	403	40	1	1	27	223	1	1	65
Flushing	96	0	0	18	7	0	0	1	2	0	0	0
Flushing Twp.	141	1	1	32	2	0	0	2	16	0	0	6
Forest Twp.	96	1	1	31	5	0	0	3	18	0	0	8
Gaines	2	0	0	1	0	0	0	0	0	0	0	0
Gaines Twp.	83	0	0	26	4	0	0	4	18	0	0	11
Genesee Twp.	342	3	3	90	16	0	0	10	29	1	1	5
Goodrich	28	0	0	2	1	0	0	0	3	0	0	1
Grand Blanc	159	0	0	54	10	0	0	6	6	0	0	0
Grand Blanc Twp.	703	4	4	208	26	1	1	20	123	0	0	15
Lennon	3	0	0	0	0	0	0	0	0	0	0	0
Linden	39	0	0	5	1	0	0	1	4	0	0	0
Montrose	16	0	0	2	3	0	0	1	1	0	0	0
Montrose Twp.	124	0	0	32	3	0	0	2	19	0	0	6
Mt. Morris	48	1	1	25	3	0	0	1	3	0	0	2
Mt. Morris Twp.	573	1	1	197	16	0	0	12	93	0	0	24
Mundy Twp.	535	3	3	174	15	0	0	7	78	0	0	14
Otisville	7	0	0	3	0	0	0	0	0	0	0	0
Otter Lake	2	0	0	1	0	0	0	0	1	0	0	1
Richfield Twp.	167	0	0	45	8	0	0	5	16	0	0	4
Swartz Creek	139	0	0	33	3	0	0	2	16	0	0	1
Theftord Twp.	131	1	1	38	6	0	0	3	19	0	0	6
Vienna Twp.	433	3	3	104	11	1	1	3	101	1	1	20
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Genesee County TOTAL</b>	<b>10,550</b>	<b>43</b>	<b>43</b>	<b>3,356</b>	<b>391</b>	<b>8</b>	<b>8</b>	<b>274</b>	<b>1,497</b>	<b>9</b>	<b>8</b>	<b>357</b>

Restraint use among reported vehicle occupants by municipality

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Argentine Twp.	148	131	88.5	0	0	0.0	0	0	0.0	10	8	80.0	12	8	66.7	115	112	97.4
Atlas Twp.	190	184	96.8	0	0	0.0	1	1	100.0	1	1	100.0	17	16	94.1	170	166	97.6
Burton	1,251	1,089	87.1	3	1	33.3	8	5	62.5	45	29	64.4	174	158	90.8	917	885	96.5
Clayton Twp.	197	185	93.9	0	0	0.0	0	0	0.0	7	7	100.0	14	12	85.7	171	164	95.9
Clio	68	61	89.7	0	0	0.0	0	0	0.0	1	1	100.0	10	10	100.0	54	50	92.6
Davison	213	190	89.2	0	0	0.0	0	0	0.0	3	3	100.0	8	8	100.0	188	179	95.2
Davison Twp.	798	743	93.1	1	0	0.0	5	4	80.0	27	24	88.9	100	96	96.0	638	619	97.0
Fenton	780	721	92.4	1	1	100.0	3	2	66.7	16	14	87.5	55	55	100.0	661	649	98.2
Fenton Twp.	445	420	94.4	0	0	0.0	0	0	0.0	17	13	76.5	52	49	94.2	363	358	98.6
Flint	5,793	4,354	75.2	9	3	33.3	23	13	56.5	168	119	70.8	975	844	86.6	3,846	3,350	87.1
Flint Twp.	2,435	2,258	92.7	1	1	100.0	22	13	59.1	76	73	96.1	297	284	95.6	1,932	1,883	97.5
Flushing	166	149	89.8	0	0	0.0	1	1	100.0	6	5	83.3	9	8	88.9	143	135	94.4
Flushing Twp.	185	174	94.1	1	1	100.0	3	1	33.3	6	5	83.3	21	20	95.2	147	145	98.6
Forest Twp.	124	114	91.9	1	0	0.0	3	3	100.0	8	6	75.0	20	19	95.0	88	85	96.6
Gaines	2	2	100.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	1	1	100.0
Gaines Twp.	112	104	92.9	0	0	0.0	1	1	100.0	9	6	66.7	16	14	87.5	84	83	98.8
Genesee Twp.	570	506	88.8	2	1	50.0	11	8	72.7	16	13	81.3	55	51	92.7	456	433	95.0
Goodrich	48	44	91.7	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0	43	42	97.7
Grand Blanc	313	292	93.3	0	0	0.0	2	1	50.0	11	11	100.0	39	38	97.4	249	242	97.2
Grand Blanc Twp.	1,210	1,116	92.2	3	2	66.7	15	11	73.3	54	47	87.0	135	129	95.6	947	923	97.5
Lennon	4	4	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	4	4	100.0
Linden	62	56	90.3	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	55	55	100.0
Montrose	31	24	77.4	0	0	0.0	0	0	0.0	1	0	0.0	1	0	0.0	25	24	96.0
Montrose Twp.	193	172	89.1	0	0	0.0	2	1	50.0	4	2	50.0	26	19	73.1	159	150	94.3
Mt. Morris	92	84	91.3	0	0	0.0	0	0	0.0	4	3	75.0	18	17	94.4	67	63	94.0
Mt. Morris Twp.	1,011	907	89.7	0	0	0.0	11	9	81.8	39	33	84.6	132	120	90.9	763	739	96.9
Mundy Twp.	895	833	93.1	2	1	50.0	4	2	50.0	42	41	97.6	125	118	94.4	692	671	97.0
Otisville	14	14	100.0	0	0	0.0	0	0	0.0	0	0	0.0	3	3	100.0	11	11	100.0
Otter Lake	3	3	100.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	2	2	100.0
Richfield Twp.	237	219	92.4	0	0	0.0	2	2	100.0	18	17	94.4	25	22	88.0	184	178	96.7
Swartz Creek	241	223	92.5	0	0	0.0	1	1	100.0	4	3	75.0	27	26	96.3	195	193	99.0
Thetford Twp.	203	186	91.6	1	0	0.0	5	5	100.0	6	6	100.0	26	24	92.3	160	151	94.4
Vienna Twp.	704	654	92.9	3	2	66.7	3	2	66.7	14	12	85.7	84	75	89.3	586	563	96.1
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Genesee County TOTAL</b>	<b>18,738</b>	<b>16,216</b>	<b>86.5</b>	<b>28</b>	<b>13</b>	<b>46.4</b>	<b>126</b>	<b>86</b>	<b>68.3</b>	<b>613</b>	<b>502</b>	<b>81.9</b>	<b>2,481</b>	<b>2,248</b>	<b>90.6</b>	<b>14,116</b>	<b>13,308</b>	<b>94.3</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	72	0	6	66	0	7
February	51	0	4	47	0	6
March	54	0	11	43	0	15
April	48	0	5	43	0	7
May	41	0	8	33	0	9
June	62	0	10	52	0	12
July	58	0	7	51	0	8
August	39	0	9	30	0	13
September	62	0	6	56	0	10
October	84	1	10	73	1	14
November	89	1	8	80	1	12
December	87	0	14	73	0	19
<b>TOTAL</b>	<b>747</b>	<b>2</b>	<b>98</b>	<b>647</b>	<b>2</b>	<b>132</b>

In Gladwin County in 2011 there were:  
747 crashes

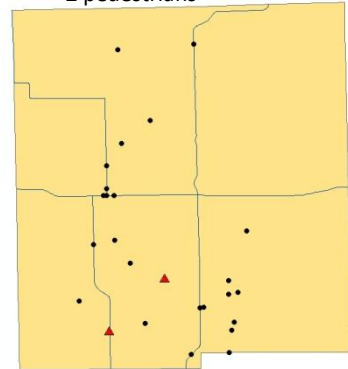
Involving:

1,029 people

1,025 motor vehicle drivers and passengers

2 bicyclists

2 pedestrians



Crashes by most severe injury (mapped/actual)

▲ Fatal (2/2)

● Incapacitating (A) (23/23)

## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	4,490	112	2	4.5	178.6
16 - 20	1,545	1,135	86	556.6	757.7
21 - 64	13,804	13,081	640	463.6	489.3
65 +	5,853	5,650	123	210.1	217.7
Other/Unknown	--	--	12	--	--
<b>TOTAL</b>	<b>25,692</b>	<b>19,978</b>	<b>863</b>	<b>335.9</b>	<b>432.0</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	513	59.4	1	33.3	77	435
Van, motorhome	53	6.1	0	0.0	11	42
Pickup truck	215	24.9	0	0.0	33	182
Small truck under 10,000 lbs. GVWR	47	5.4	0	0.0	4	43
Cycle	11	1.3	0	0.0	8	3
Moped	0	0.0	0	0.0	0	0
Go 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)	5	0.6	1	33.3	4	0
Other	5	0.6	1	33.3	2	2
Truck/bus over 10,000 lbs.	12	1.4	0	0.0	0	12
Unknown	2	0.2	0	0.0	0	2
<b>TOTAL</b>	<b>863</b>	<b>100.0</b>	<b>3</b>	<b>100.0</b>	<b>139</b>	<b>721</b>

## Gladwin County Experience

Gladwin County experienced the highest number of fatal crashes (1) and the highest number of persons killed (1) in October and November.

Gladwin County driver statistics indicate 5.7 percent of licensed drivers were age 16-20, and 10.0 percent of drivers in that age group were involved in crashes.



Crash Type								
	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	634	84.9	1	50.0	15	21	22	575
Head On	5	0.7	0	0.0	1	1	1	2
Head On - Left Turn	6	0.8	0	0.0	2	2	1	1
Angle	22	2.9	0	0.0	3	3	6	10
Rear End	30	4.0	0	0.0	1	3	6	20
Rear End - Left Turn	5	0.7	0	0.0	0	0	3	2
Rear End - Right Turn	4	0.5	1	50.0	0	0	0	3
Sideswipe - Same Direction	14	1.9	0	0.0	0	0	1	13
Sideswipe - Opposite Direct	9	1.2	0	0.0	0	1	1	7
Other/Unknown	18	2.4	0	0.0	1	2	1	14
<b>Total</b>	<b>747</b>	<b>100.0</b>	<b>2</b>	<b>100.0</b>	<b>23</b>	<b>33</b>	<b>42</b>	<b>647</b>

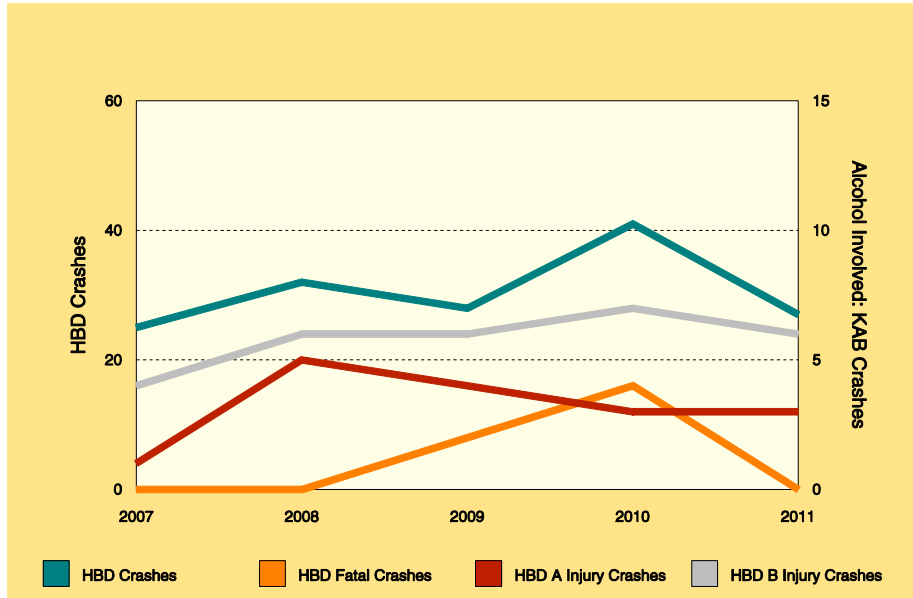
Relationship to Roadway								
Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	580	77.6	1	50.0	13	18	26	522
Median	0	0.0	0	0.0	0	0	0	0
Shoulder	16	2.1	0	0.0	0	2	0	14
Outside of Shoulder/Curb	139	18.6	1	50.0	8	13	15	102
Gore	1	0.1	0	0.0	0	0	0	1
Other/Unknown	11	1.5	0	0.0	2	0	1	8
<b>Total</b>	<b>747</b>	<b>100.0</b>	<b>2</b>	<b>100.0</b>	<b>23</b>	<b>33</b>	<b>42</b>	<b>647</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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	1	2	0	1	0	0	0	0	1
21 - 64	25	25	18	22	0	0	1	2	19
65 +	4	5	4	4	0	0	0	0	4
Other/Unknown	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>30</b>	<b>32</b>	<b>22</b>	<b>27</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>24</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.

**Crashes Involving Alcohol**



GLADWIN	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	865	25	2.9	2	0	0.0	22	1	4.6	29	4	13.8
2008	945	32	3.4	2	0	0.0	19	5	26.3	39	6	15.4
2009	860	28	3.3	3	2	66.7	19	4	21.1	37	6	16.2
2010	823	41	5.0	5	4	80.0	18	3	16.7	39	7	18.0
2011	747*	27	3.6	2	0	0.0	23**	3	13.0	33	6	18.2

\* Lowest number reported in the 5-year period. \*\* Highest number reported in the 5-year period.

**Restraint use among reported vehicle occupants by vehicle type**

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	535	514	96.1	1	1	100.0	15	12	80.0	19	17	89.5	34	33	97.1	460	450	97.8
Van, motorhome	61	56	91.8	0	0	0.0	1	0	0.0	4	3	75.0	11	11	100.0	44	42	95.5
Pickup truck	223	206	92.4	0	0	0.0	3	1	33.3	11	8	72.7	10	10	100.0	196	186	94.9
Small truck under 10,000 lbs. GVWR	48	48	100.0	0	0	0.0	1	1	100.0	0	0	0.0	3	3	100.0	44	44	100.0
Cycle	14	13	92.9	0	0	0.0	4	4	100.0	4	3	75.0	3	3	100.0	3	3	100.0
Moped	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	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)	8	1	12.5	1	1	100.0	3	0	0.0	2	0	0.0	1	0	0.0	1	0	0.0
Other	5	2	40.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	5	2	40.0
Truck/bus over 10,000 lbs.	12	12	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	12	12	100.0
Uncoded & errors	2	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>TOTAL</b>	<b>908</b>	<b>852</b>	<b>93.8</b>	<b>2</b>	<b>2</b>	<b>100.0</b>	<b>27</b>	<b>18</b>	<b>66.7</b>	<b>40</b>	<b>31</b>	<b>77.5</b>	<b>62</b>	<b>60</b>	<b>96.8</b>	<b>765</b>	<b>739</b>	<b>96.6</b>

**Restraint use among reported vehicle occupants by age**

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	18	13	72.2	0	0	0.0	5	3	60.0	4	2	50.0	9	8	88.9	0	0	0.0
16 - 20	97	89	91.8	0	0	0.0	2	0	0.0	9	6	66.7	12	12	100.0	73	70	95.9
21 - 64	653	626	95.9	2	2	100.0	19	14	73.7	20	16	80.0	34	33	97.1	577	560	97.1
65 +	128	124	96.9	0	0	0.0	1	1	100.0	7	7	100.0	7	7	100.0	113	109	96.5
Other/Unknown	12	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	2	0	0.0
<b>TOTAL</b>	<b>908</b>	<b>852</b>	<b>93.8</b>	<b>2</b>	<b>2</b>	<b>100.0</b>	<b>27</b>	<b>18</b>	<b>66.7</b>	<b>40</b>	<b>31</b>	<b>77.5</b>	<b>62</b>	<b>60</b>	<b>96.8</b>	<b>765</b>	<b>739</b>	<b>96.6</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	Total drivers coded drinking	BAC Result Range for 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
Beaverton	0	1	0	0	0	0	0	0	0
Beaverton Twp.	2	3	2	2	0	0	0	0	2
Bentley Twp.	0	0	0	0	0	0	0	0	0
Billings Twp.	2	4	2	2	0	0	0	1	1
Bourret Twp.	1	1	1	1	0	0	0	0	1
Buckeye Twp.	3	3	3	3	0	0	1	0	2
Butman Twp	1	1	1	1	0	0	0	0	1
Clement Twp.	1	2	1	1	0	0	0	0	1
Gladwin	1	1	1	1	0	0	0	0	1
Gladwin Twp.	0	1	0	0	0	0	0	0	0
Grim Twp.	0	0	0	0	0	0	0	0	0
GROUT Twp.	2	1	1	1	0	0	0	0	1
Hay Twp.	6	3	3	5	0	0	0	1	4
Sage Twp.	1	2	1	1	0	0	0	0	1
Secord Twp.	1	1	1	1	0	0	0	0	1
Sherman Twp.	1	0	0	1	0	0	0	0	1
Tobacco Twp.	8	8	5	7	0	0	0	0	7
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Gladwin County TOTAL</b>	<b>30</b>	<b>32</b>	<b>22</b>	<b>27</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>24</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Beaverton	14	0	0	2	0	0	0	0	3	0	0	2
Beaverton Twp.	66	0	0	5	2	0	0	0	9	0	0	2
Bentley Twp.	31	0	0	4	0	0	0	0	5	0	0	1
Billings Twp.	26	0	0	14	2	0	0	3	7	0	0	2
Bourret Twp.	10	0	0	2	1	0	0	0	2	0	0	1
Buckeye Twp.	70	0	0	9	3	0	0	2	9	0	0	0
Butman Twp	37	0	0	6	1	0	0	0	4	0	0	1
Clement Twp.	20	0	0	5	1	0	0	2	3	0	0	1
Gladwin	44	0	0	14	1	0	0	0	4	0	0	0
Gladwin Twp.	43	0	0	13	0	0	0	0	8	0	0	7
Grim Twp.	12	0	0	0	0	0	0	0	1	0	0	0
Grout Twp.	81	0	0	14	1	0	0	2	12	0	0	2
Hay Twp.	36	0	0	7	5	0	0	2	3	0	0	2
Sage Twp.	69	0	0	8	1	0	0	1	14	0	0	2
Secord Twp.	27	0	0	3	1	0	0	1	3	0	0	0
Sherman Twp.	43	0	0	3	1	0	0	0	4	0	0	0
Tobacco Twp.	118	2	2	23	7	0	0	3	18	0	0	5
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Gladwin County TOTAL</b>	<b>747</b>	<b>2</b>	<b>2</b>	<b>132</b>	<b>27</b>	<b>0</b>	<b>0</b>	<b>16</b>	<b>109</b>	<b>0</b>	<b>0</b>	<b>28</b>

**Restraint use among reported vehicle occupants by municipality**

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Beaverton	25	22	88.0	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0	21	19	90.5
Beaverton Twp.	69	64	92.8	0	0	0.0	1	0	0.0	3	2	66.7	1	1	100.0	64	61	95.3
Bentley Twp.	35	34	97.1	0	0	0.0	0	0	0.0	1	1	100.0	3	3	100.0	31	30	96.8
Billings Twp.	34	25	73.5	0	0	0.0	8	3	37.5	3	0	0.0	3	2	66.7	20	20	100.0
Bourret Twp.	10	9	90.0	0	0	0.0	0	0	0.0	1	1	100.0	1	1	100.0	8	7	87.5
Buckeye Twp.	79	77	97.5	0	0	0.0	2	2	100.0	4	4	100.0	3	3	100.0	70	68	97.1
Butman Twp	44	43	97.7	0	0	0.0	1	0	0.0	1	1	100.0	4	4	100.0	38	38	100.0
Clement Twp.	24	24	100.0	0	0	0.0	1	1	100.0	3	3	100.0	1	1	100.0	19	19	100.0
Gladwin	83	78	94.0	0	0	0.0	2	2	100.0	0	0	0.0	10	10	100.0	65	65	100.0
Gladwin Twp.	53	51	96.2	0	0	0.0	2	1	50.0	3	3	100.0	8	8	100.0	40	39	97.5
Grim Twp.	12	10	83.3	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	11	10	90.9
Grout Twp.	97	93	95.9	0	0	0.0	2	2	100.0	7	6	85.7	4	4	100.0	83	81	97.6
Hay Twp.	44	39	88.6	0	0	0.0	1	0	0.0	4	3	75.0	2	2	100.0	36	34	94.4
Sage Twp.	76	74	97.4	0	0	0.0	2	2	100.0	2	2	100.0	4	3	75.0	68	67	98.5
Secord Twp.	28	27	96.4	0	0	0.0	0	0	0.0	1	1	100.0	2	2	100.0	25	24	96.0
Sherman Twp.	47	43	91.5	0	0	0.0	0	0	0.0	1	0	0.0	2	2	100.0	44	41	93.2
Tobacco Twp.	148	139	93.9	2	2	100.0	5	5	100.0	6	4	66.7	12	12	100.0	122	116	95.1
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Gladwin County TOTAL</b>	<b>908</b>	<b>852</b>	<b>93.8</b>	<b>2</b>	<b>2</b>	<b>100.0</b>	<b>27</b>	<b>18</b>	<b>66.7</b>	<b>40</b>	<b>31</b>	<b>77.5</b>	<b>62</b>	<b>60</b>	<b>96.8</b>	<b>765</b>	<b>739</b>	<b>96.6</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	41	0	7	34	0	8
February	20	0	2	18	0	2
March	21	0	3	18	0	5
April	21	0	4	17	0	6
May	14	0	7	7	0	9
June	22	0	5	17	0	7
July	20	0	3	17	0	3
August	23	0	4	19	0	5
September	17	0	3	14	0	5
October	31	0	11	20	0	15
November	38	0	6	32	0	13
December	37	0	7	30	0	11
<b>TOTAL</b>	<b>305</b>	<b>0</b>	<b>62</b>	<b>243</b>	<b>0</b>	<b>89</b>

In Gogebic County in 2011 there were:

305 crashes

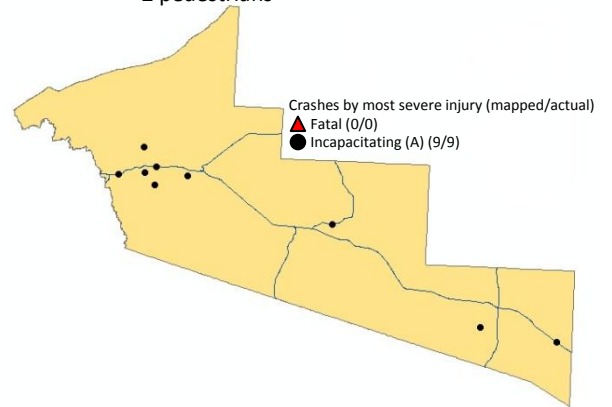
Involving:

539 people

535 motor vehicle drivers and passengers

2 bicyclists

2 pedestrians



## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	2,426	36	1	4.1	277.8
16 - 20	1,008	628	57	565.5	907.6
21 - 64	9,479	7,635	272	287.0	356.3
65 +	3,514	3,002	74	210.6	246.5
Other/Unknown	--	--	16	--	--
<b>TOTAL</b>	<b>16,427</b>	<b>11,301</b>	<b>420</b>	<b>255.7</b>	<b>371.6</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	280	66.7	0	0.0	54	226
Van, motorhome	10	2.4	0	0.0	0	10
Pickup truck	103	24.5	0	0.0	33	70
Small truck under 10,000 lbs. GVWR	9	2.1	0	0.0	1	8
Cycle	1	0.2	0	0.0	1	0
Moped	0	0.0	0	0.0	0	0
Go Cart	0	0.0	0	0.0	0	0
Snowmobile	2	0.5	0	0.0	2	0
Off-Road Vehicle (ORV) / All-Terrain Vehicle (ATV)	0	0.0	0	0.0	0	0
Other	4	1.0	0	0.0	0	4
Truck/bus over 10,000 lbs.	10	2.4	0	0.0	1	9
Unknown	1	0.2	0	0.0	1	0
<b>TOTAL</b>	<b>420</b>	<b>100.0</b>	<b>0</b>	<b>0.0</b>	<b>93</b>	<b>327</b>

## Gogebic County Experience

Gogebic County did not experience a fatal crash.

Gogebic County driver statistics indicate 5.6 percent of licensed drivers were age 16-20, and 13.6 percent of drivers in that age group were involved in crashes.

In Gogebic County, pickup trucks accounted for 24.5 percent of the total vehicles in crashes, and were involved in 35.5 percent of the total injury crashes.



## Crash Type

	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	192	63.0	0	0.0	7	8	17	160
Head On	4	1.3	0	0.0	0	1	2	1
Head On - Left Turn	6	2.0	0	0.0	0	1	0	5
Angle	48	15.7	0	0.0	1	1	11	35
Rear End	22	7.2	0	0.0	1	0	6	15
Rear End - Left Turn	5	1.6	0	0.0	0	0	0	5
Rear End - Right Turn	1	0.3	0	0.0	0	0	0	1
Sideswipe - Same Direction	9	3.0	0	0.0	0	0	1	8
Sideswipe - Opposite Direct	6	2.0	0	0.0	0	1	2	3
Other/Unknown	12	3.9	0	0.0	0	1	1	10
<b>Total</b>	<b>305</b>	<b>100.0</b>	<b>0</b>	<b>0.0</b>	<b>9</b>	<b>13</b>	<b>40</b>	<b>243</b>

## Relationship to Roadway

Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	204	66.9	0	0.0	5	7	21	171
Median	0	0.0	0	0.0	0	0	0	0
Shoulder	30	9.8	0	0.0	2	3	2	23
Outside of Shoulder/Curb	51	16.7	0	0.0	1	3	12	35
Gore	4	1.3	0	0.0	0	0	0	4
Other/Unknown	16	5.2	0	0.0	1	0	5	10
<b>Total</b>	<b>305</b>	<b>100.0</b>	<b>0</b>	<b>0.0</b>	<b>9</b>	<b>13</b>	<b>40</b>	<b>243</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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	7	7	4	7	0	2	1	0	4
21 - 64	9	13	6	7	0	0	0	2	5
65 +	5	7	4	4	0	2	1	0	1
Other/Unknown	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>21</b>	<b>27</b>	<b>14</b>	<b>18</b>	<b>0</b>	<b>4</b>	<b>2</b>	<b>2</b>	<b>10</b>

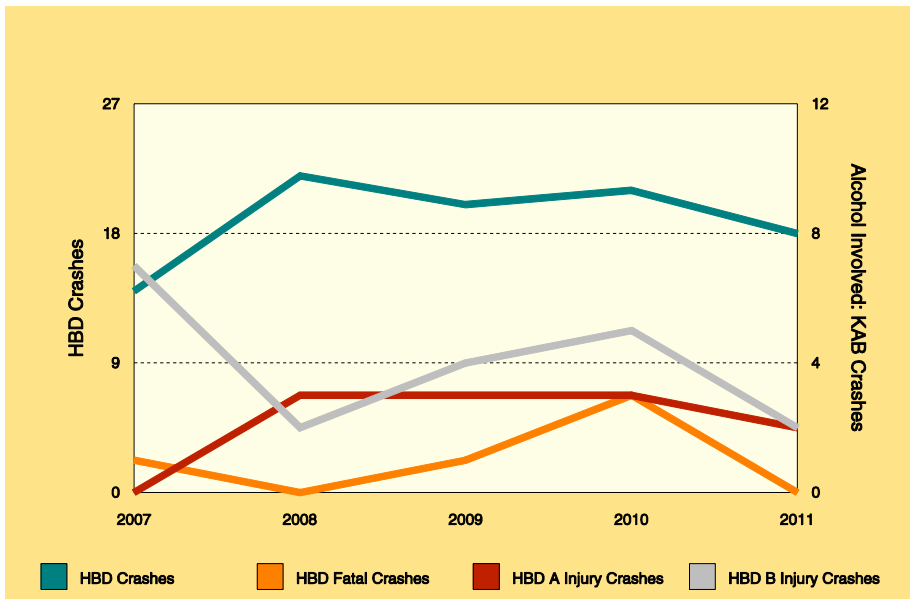
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

GOGEBIC	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	333	14	4.2	2	1	50.0	7	0	0.0	30	7	23.3
2008	325	22	6.8	1	0	0.0	12	3	25.0	17	2	11.8
2009	280	20	7.1	1	1	100.0	15	3	20.0	11	4	36.4
2010	307	21	6.8	3	3	100.0	11	3	27.3	17	5	29.4
2011	305	18	5.9	0*	0	0.0	9	2	22.2	13	2	15.4

\* Lowest number reported in the 5-year period.

**Restraint use among reported vehicle occupants by vehicle type**

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	298	273	91.6	0	0	0.0	3	1	33.3	9	9	100.0	42	39	92.9	234	222	94.9
Van, motorhome	10	8	80.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	9	8	88.9
Pickup truck	109	89	81.7	0	0	0.0	2	1	50.0	6	4	66.7	16	13	81.3	81	71	87.7
Small truck under 10,000 lbs. GVWR	9	7	77.8	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0	7	7	100.0
Cycle	2	2	100.0	0	0	0.0	2	2	100.0	0	0	0.0	0	0	0.0	0	0	0.0
Moped	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	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	3	1	33.3	0	0	0.0	3	1	33.3	0	0	0.0	0	0	0.0	0	0	0.0
Off-Road Vehicle (ORV) /All-Terrain Vehicle (ATV)	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Other	4	4	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	4	4	100.0
Truck/bus over 10,000 lbs.	10	9	90.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	10	9	90.0
Uncoded & errors	1	1	100.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	0	0	0.0
<b>TOTAL</b>	<b>446</b>	<b>394</b>	<b>88.3</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>10</b>	<b>5</b>	<b>50.0</b>	<b>15</b>	<b>13</b>	<b>86.7</b>	<b>60</b>	<b>53</b>	<b>88.3</b>	<b>345</b>	<b>321</b>	<b>93.0</b>

**Restraint use among reported vehicle occupants by age**

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	7	7	100.0	0	0	0.0	0	0	0.0	1	1	100.0	5	5	100.0	1	1	100.0
16 - 20	65	55	84.6	0	0	0.0	3	1	33.3	3	3	100.0	13	8	61.5	46	43	93.5
21 - 64	278	258	92.8	0	0	0.0	7	4	57.1	6	6	100.0	31	29	93.5	232	217	93.5
65 +	79	72	91.1	0	0	0.0	0	0	0.0	5	3	60.0	10	10	100.0	64	59	92.2
Other/Unknown	17	2	11.8	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	2	1	50.0
<b>TOTAL</b>	<b>446</b>	<b>394</b>	<b>88.3</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>10</b>	<b>5</b>	<b>50.0</b>	<b>15</b>	<b>13</b>	<b>86.7</b>	<b>60</b>	<b>53</b>	<b>88.3</b>	<b>345</b>	<b>321</b>	<b>93.0</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Bessemer	1	3	1	1	0	0	0	0	1
Bessemer Twp.	2	2	1	2	0	0	0	0	2
Erwin Twp.	0	0	0	0	0	0	0	0	0
Ironwood	5	6	3	4	0	0	0	1	3
Ironwood Twp.	2	4	2	2	0	1	1	0	0
Marenisco Twp.	4	5	2	3	0	0	1	0	2
Wakefield	2	1	1	1	0	1	0	0	0
Wakefield Twp.	1	1	1	1	0	1	0	0	0
Watersmeet Twp.	4	5	3	4	0	1	0	1	2
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Gogebic County TOTAL</b>	<b>21</b>	<b>27</b>	<b>14</b>	<b>18</b>	<b>0</b>	<b>4</b>	<b>2</b>	<b>2</b>	<b>10</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Bessemer	25	0	0	10	1	0	0	1	1	0	0	0
Bessemer Twp.	35	0	0	6	2	0	0	1	10	0	0	1
Erwin Twp.	3	0	0	2	0	0	0	0	1	0	0	0
Ironwood	74	0	0	26	4	0	0	0	7	0	0	2
Ironwood Twp.	39	0	0	18	2	0	0	0	8	0	0	4
Marenisco Twp.	23	0	0	4	3	0	0	2	4	0	0	1
Wakefield	27	0	0	6	1	0	0	0	9	0	0	1
Wakefield Twp.	19	0	0	5	1	0	0	0	3	0	0	1
Watersmeet Twp.	60	0	0	12	4	0	0	4	5	0	0	2
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Gogebic County TOTAL</b>	<b>305</b>	<b>0</b>	<b>0</b>	<b>89</b>	<b>18</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>48</b>	<b>0</b>	<b>0</b>	<b>12</b>

**Restraint use among reported vehicle occupants by municipality**

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Bessemer	37	33	89.2	0	0	0.0	0	0	0.0	5	4	80.0	4	3	75.0	28	26	92.9
Bessemer Twp.	43	40	93.0	0	0	0.0	2	1	50.0	0	0	0.0	4	4	100.0	37	35	94.6
Erwin Twp.	4	4	100.0	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0	2	2	100.0
Ironwood	147	124	84.4	0	0	0.0	1	1	100.0	0	0	0.0	23	19	82.6	111	103	92.8
Ironwood Twp.	56	53	94.6	0	0	0.0	2	2	100.0	4	4	100.0	11	11	100.0	38	36	94.7
Marenisco Twp.	26	23	88.5	0	0	0.0	1	1	100.0	0	0	0.0	3	2	66.7	20	19	95.0
Wakefield	40	34	85.0	0	0	0.0	1	0	0.0	1	0	0.0	4	3	75.0	33	31	93.9
Wakefield Twp.	21	20	95.2	0	0	0.0	0	0	0.0	3	3	100.0	2	2	100.0	16	15	93.8
Watersmeet Twp.	72	63	87.5	0	0	0.0	3	0	0.0	2	2	100.0	7	7	100.0	60	54	90.0
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Gogebic County TOTAL</b>	<b>446</b>	<b>394</b>	<b>88.3</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>10</b>	<b>5</b>	<b>50.0</b>	<b>15</b>	<b>13</b>	<b>86.7</b>	<b>60</b>	<b>53</b>	<b>88.3</b>	<b>345</b>	<b>321</b>	<b>93.0</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	385	2	44	339	2	61
February	273	3	33	237	3	49
March	218	0	31	187	0	38
April	190	0	28	162	0	38
May	191	1	29	161	1	46
June	270	3	68	199	3	101
July	266	1	52	213	1	68
August	233	0	56	177	0	79
September	257	0	51	206	0	72
October	257	0	39	218	0	51
November	301	0	36	265	0	51
December	355	3	54	298	3	78
<b>TOTAL</b>	<b>3,196</b>	<b>13</b>	<b>521</b>	<b>2,662</b>	<b>13</b>	<b>732</b>

In Grand Traverse County in 2011 there were:  
3,196 crashes

Involving:

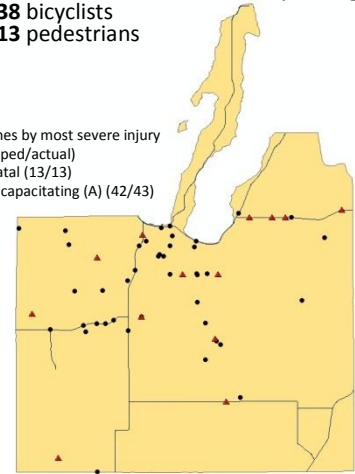
5,829 people

5,778 motor vehicle drivers and passengers

38 bicyclists

13 pedestrians

Crashes by most severe injury  
(mapped/actual)  
▲ Fatal (13/13)  
● Incapacitating (A) (42/43)



## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	16,871	514	10	5.9	194.6
16 - 20	5,496	4,700	737	1341.0	1568.1
21 - 64	51,591	50,366	3,728	722.6	740.2
65 +	13,028	12,323	604	463.6	490.1
Other/Unknown	--	--	193	--	--
<b>TOTAL</b>	<b>86,986</b>	<b>67,903</b>	<b>5,272</b>	<b>606.1</b>	<b>776.4</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Grand Traverse County Experience

Grand Traverse County experienced the highest number of fatal crashes (3) and the highest number of persons killed (3) in February, June, and December.

Grand Traverse County driver statistics indicate 6.9 percent of licensed drivers were age 16-20, and 14.0 percent of drivers in that age group were involved in crashes.

In Grand Traverse County, vans/motorhomes accounted for 6.0 percent of the total vehicles in crashes, and were involved in 14.3 percent of the total fatal crashes.



## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	3,854	73.1	12	57.1	700	3,142
Van, motorhome	318	6.0	3	14.3	63	252
Pickup truck	735	13.9	4	19.0	115	616
Small truck under 10,000 lbs. GVWR	151	2.9	1	4.8	21	129
Cycle	43	0.8	0	0.0	34	9
Moped	3	0.1	0	0.0	3	0
Go Cart	0	0.0	0	0.0	0	0
Snowmobile	7	0.1	0	0.0	4	3
Off-Road Vehicle (ORV) / All-Terrain Vehicle (ATV)	0	0.0	0	0.0	0	0
Other	14	0.3	0	0.0	4	10
Truck/bus over 10,000 lbs.	97	1.8	1	4.8	14	82
Unknown	50	0.9	0	0.0	1	49
<b>TOTAL</b>	<b>5,272</b>	<b>100.0</b>	<b>21</b>	<b>100.0</b>	<b>959</b>	<b>4,292</b>

Crash Type								
	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	1,256	39.3	6	46.2	15	45	83	1,107
Head On	47	1.5	4	30.8	3	3	9	28
Head On - Left Turn	77	2.4	0	0.0	2	10	23	42
Angle	522	16.3	2	15.4	15	30	89	386
Rear End	764	23.9	0	0.0	2	9	117	636
Rear End - Left Turn	54	1.7	0	0.0	0	4	15	35
Rear End - Right Turn	45	1.4	1	7.7	1	1	2	40
Sideswipe - Same Direction	251	7.9	0	0.0	2	4	6	239
Sideswipe - Opposite Direct	73	2.3	0	0.0	0	3	8	62
Other/Unknown	107	3.3	0	0.0	3	6	11	87
<b>Total</b>	<b>3,196</b>	<b>100.0</b>	<b>13</b>	<b>100.0</b>	<b>43</b>	<b>115</b>	<b>363</b>	<b>2,662</b>

Relationship to Roadway								
Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	2,566	80.3	9	69.2	33	85	299	2,140
Median	0	0.0	0	0.0	0	0	0	0
Shoulder	190	5.9	0	0.0	0	8	17	165
Outside of Shoulder/Curb	367	11.5	3	23.1	10	17	44	293
Gore	6	0.2	0	0.0	0	0	0	6
Other/Unknown	67	2.1	1	7.7	0	5	3	58
<b>Total</b>	<b>3,196</b>	<b>100.0</b>	<b>13</b>	<b>100.0</b>	<b>43</b>	<b>115</b>	<b>363</b>	<b>2,662</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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	19	22	14	16	0	0	1	0	15
21 - 64	125	107	83	95	2	2	2	2	87
65 +	4	3	2	3	0	0	0	0	3
Other/Unknown	9	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>158</b>	<b>132</b>	<b>99</b>	<b>114</b>	<b>2</b>	<b>2</b>	<b>3</b>	<b>2</b>	<b>105</b>

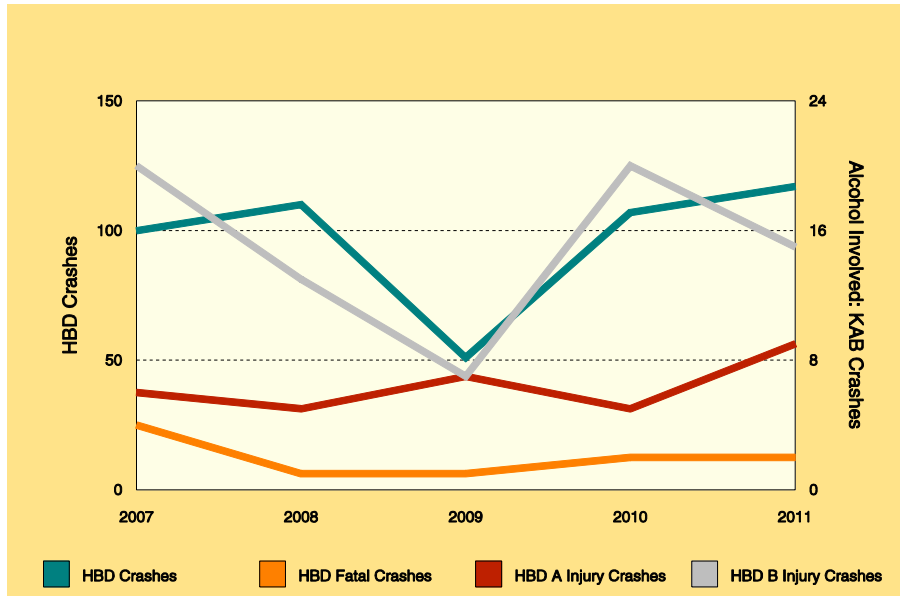
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

GRAND TRAVERSE	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	3,417	100	2.9	11	4	36.4	54	6	11.1	160	20	12.5
2008	3,528	110	3.1	7	1	14.3	47	5	10.6	158	13	8.2
2009	3,298	108	3.3	5	1	20.0	41	7	17.1	127	13	10.2
2010	3,078	107	3.5	11	2	18.2	39	5	12.8	124	20	16.1
2011	3,196	117*	3.7	13*	2	15.4	43	9*	20.9	115**	15	13.0

\* Highest number reported in the 5-year period. \*\* Lowest number reported in the 5-year period.

## Restraint use among reported vehicle occupants by vehicle type

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	4,004	3,790	94.7	8	3	37.5	29	24	82.8	104	88	84.6	390	373	95.6	3,354	3,289	98.1
Van, motorhome	329	318	96.7	0	0	0.0	6	6	100.0	3	3	100.0	38	36	94.7	275	273	99.3
Pickup truck	753	713	94.7	3	1	33.3	4	2	50.0	13	11	84.6	38	38	100.0	674	660	97.9
Small truck under 10,000 lbs. GVWR	156	151	96.8	0	0	0.0	0	0	0.0	4	4	100.0	14	14	100.0	135	133	98.5
Cycle	49	45	91.8	0	0	0.0	8	7	87.5	17	14	82.4	14	14	100.0	10	10	100.0
Moped	3	0	0.0	0	0	0.0	1	0	0.0	2	0	0.0	0	0	0.0	0	0	0.0
Go 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	8	6	75.0	0	0	0.0	1	1	100.0	3	1	33.3	1	1	100.0	3	3	100.0
Off-Road Vehicle (ORV) /All-Terrain Vehicle (ATV)	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Other	14	12	85.7	0	0	0.0	0	0	0.0	2	1	50.0	0	0	0.0	12	11	91.7
Truck/bus over 10,000 lbs.	98	92	93.9	0	0	0.0	0	0	0.0	1	1	100.0	2	2	100.0	94	89	94.7
Uncoded & errors	50	5	10.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	5	4	80.0
<b>TOTAL</b>	<b>5,464</b>	<b>5,132</b>	<b>93.9</b>	<b>11</b>	<b>4</b>	<b>36.4</b>	<b>49</b>	<b>40</b>	<b>81.6</b>	<b>149</b>	<b>123</b>	<b>82.6</b>	<b>497</b>	<b>478</b>	<b>96.2</b>	<b>4,562</b>	<b>4,472</b>	<b>98.0</b>

## Restraint use among reported vehicle occupants by age

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	58	56	96.6	0	0	0.0	1	1	100.0	8	8	100.0	40	39	97.5	9	8	88.9
16 - 20	762	736	96.6	2	0	0.0	6	4	66.7	20	15	75.0	58	55	94.8	673	659	97.9
21 - 64	3,819	3,717	97.3	8	3	37.5	38	32	84.2	99	78	78.8	334	322	96.4	3,327	3,270	98.3
65 +	625	615	98.4	1	1	100.0	4	3	75.0	22	22	100.0	58	56	96.6	539	533	98.9
Other/Unknown	200	8	4.0	0	0	0.0	0	0	0.0	0	0	0.0	7	6	85.7	14	2	14.3
<b>TOTAL</b>	<b>5,464</b>	<b>5,132</b>	<b>93.9</b>	<b>11</b>	<b>4</b>	<b>36.4</b>	<b>49</b>	<b>40</b>	<b>81.6</b>	<b>149</b>	<b>123</b>	<b>82.6</b>	<b>497</b>	<b>478</b>	<b>96.2</b>	<b>4,562</b>	<b>4,472</b>	<b>98.0</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers  
in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol- involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Acme Twp.	14	14	9	9	1	1	1	0	6
Blair Twp.	17	16	10	12	1	0	0	0	11
East Bay Twp.	22	20	13	16	0	0	0	0	16
Fife Lake	0	0	0	0	0	0	0	0	0
Fife Lake Twp.	1	1	1	1	0	0	0	1	0
Garfield Twp.	23	17	15	17	0	0	0	0	17
Grant Twp.	2	2	0	2	0	0	0	0	2
Green Lake Twp.	8	6	6	6	0	0	1	0	5
Kingsley	4	3	2	2	0	0	0	0	2
Long Lake Twp	11	11	9	10	0	0	0	1	9
Mayfield Twp.	4	5	3	4	0	1	0	0	3
Paradise Twp.	3	5	3	3	0	0	0	0	3
Peninsula Twp.	5	4	4	4	0	0	1	0	3
Traverse City	40	22	21	25	0	0	0	0	25
Union Twp.	0	0	0	0	0	0	0	0	0
White Water Twp.	4	6	3	3	0	0	0	0	3
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Grand Traverse County TOTAL</b>	<b>158</b>	<b>132</b>	<b>99</b>	<b>114</b>	<b>2</b>	<b>2</b>	<b>3</b>	<b>2</b>	<b>105</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-related				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Acme Twp.	182	3	3	39	9	0	0	6	25	1	1	7
Blair Twp.	211	1	1	66	12	0	0	4	37	1	1	4
East Bay Twp.	346	2	2	77	17	0	0	13	93	1	1	16
Fife Lake	3	0	0	0	0	0	0	0	0	0	0	0
Fife Lake Twp.	61	0	0	9	1	0	0	1	10	0	0	3
Garfield Twp.	724	1	1	173	17	0	0	12	108	0	0	8
Grant Twp.	44	1	1	10	2	0	0	1	13	0	0	3
Green Lake Twp.	132	1	1	28	6	1	1	3	25	0	0	7
Kingsley	17	1	1	8	3	0	0	2	0	0	0	0
Long Lake Twp	167	1	1	41	10	1	1	4	67	0	0	9
Mayfield Twp.	86	0	0	11	4	0	0	0	20	0	0	4
Paradise Twp.	119	0	0	20	3	0	0	1	31	0	0	8
Peninsula Twp.	69	0	0	19	4	0	0	2	22	0	0	5
Traverse City	929	1	1	202	26	0	0	12	30	0	0	5
Union Twp.	27	0	0	4	0	0	0	0	12	0	0	3
White Water Twp.	79	1	1	25	3	0	0	1	27	0	0	12
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Grand Traverse County TOTAL</b>	<b>3,196</b>	<b>13</b>	<b>13</b>	<b>732</b>	<b>117</b>	<b>2</b>	<b>2</b>	<b>62</b>	<b>520</b>	<b>3</b>	<b>3</b>	<b>94</b>

Restraint use among reported vehicle occupants by municipality

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Acme Twp.	290	270	93.1	3	0	0.0	4	3	75.0	11	10	90.9	24	24	100.0	239	233	97.5
Blair Twp.	379	363	95.8	1	0	0.0	5	4	80.0	15	13	86.7	46	45	97.8	305	301	98.7
East Bay Twp.	550	521	94.7	2	2	100.0	9	8	88.9	23	22	95.7	43	40	93.0	460	449	97.6
Fife Lake	4	3	75.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	4	3	75.0
Fife Lake Twp.	83	80	96.4	0	0	0.0	0	0	0.0	2	2	100.0	7	7	100.0	74	71	95.9
Garfield Twp.	1,337	1,269	94.9	0	0	0.0	10	7	70.0	28	23	82.1	132	125	94.7	1,127	1,110	98.5
Grant Twp.	50	46	92.0	1	0	0.0	1	0	0.0	2	2	100.0	6	5	83.3	40	39	97.5
Green Lake Twp.	179	173	96.6	1	0	0.0	4	4	100.0	7	5	71.4	17	17	100.0	149	147	98.7
Kingsley	33	29	87.9	1	1	100.0	0	0	0.0	3	2	66.7	4	4	100.0	22	22	100.0
Long Lake Twp	232	219	94.4	1	1	100.0	5	4	80.0	6	2	33.3	30	30	100.0	184	181	98.4
Mayfield Twp.	104	101	97.1	0	0	0.0	0	0	0.0	1	1	100.0	10	10	100.0	92	90	97.8
Paradise Twp.	142	136	95.8	0	0	0.0	3	2	66.7	5	4	80.0	10	9	90.0	121	120	99.2
Peninsula Twp.	92	85	92.4	0	0	0.0	0	0	0.0	3	2	66.7	14	14	100.0	73	69	94.5
Traverse City	1,851	1,710	92.4	0	0	0.0	3	3	100.0	32	29	90.6	141	137	97.2	1,567	1,533	97.8
Union Twp.	32	28	87.5	0	0	0.0	0	0	0.0	3	0	0.0	1	1	100.0	27	26	96.3
White Water Twp.	106	99	93.4	1	0	0.0	5	5	100.0	8	6	75.0	12	10	83.3	78	78	100.0
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Grand Traverse County TOTAL</b>	<b>5,464</b>	<b>5,132</b>	<b>93.9</b>	<b>11</b>	<b>4</b>	<b>36.4</b>	<b>49</b>	<b>40</b>	<b>81.6</b>	<b>149</b>	<b>123</b>	<b>82.6</b>	<b>497</b>	<b>478</b>	<b>96.2</b>	<b>4,562</b>	<b>4,472</b>	<b>98.0</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	156	1	12	143	1	20
February	151	1	19	131	1	30
March	109	0	12	97	0	15
April	94	2	13	79	2	21
May	121	0	14	107	0	18
June	156	0	24	132	0	33
July	126	1	24	101	1	28
August	81	0	15	66	0	18
September	108	0	19	89	0	23
October	200	1	21	178	1	25
November	277	0	12	265	0	23
December	140	2	15	123	2	21
<b>TOTAL</b>	<b>1,719</b>	<b>8</b>	<b>200</b>	<b>1,511</b>	<b>8</b>	<b>275</b>

In Gratiot County in 2011 there were:

1,719 crashes

Involving:

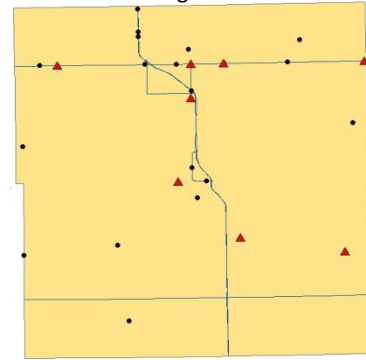
2,671 people

2,660 motor vehicle drivers and passengers

5 bicyclists

5 pedestrians

1 train engineer



Crashes by most severe injury (mapped/actual)

▲ Fatal (8/8)

● Incapacitating (A) (18/18)

## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	7,987	259	4	5.0	154.4
16 - 20	3,509	2,108	270	769.4	1280.8
21 - 64	24,709	20,019	1,594	645.1	796.2
65 +	6,271	5,391	203	323.7	376.6
Other/Unknown	--	--	62	--	--
<b>TOTAL</b>	<b>42,476</b>	<b>27,777</b>	<b>2,133</b>	<b>502.2</b>	<b>767.9</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	1,535	72.0	9	81.8	201	1,325
Van, motorhome	79	3.7	0	0.0	11	68
Pickup truck	390	18.3	0	0.0	62	328
Small truck under 10,000 lbs. GVWR	46	2.2	0	0.0	2	44
Cycle	13	0.6	0	0.0	12	1
Moped	1	0.0	0	0.0	1	0
Go Cart	0	0.0	0	0.0	0	0
Snowmobile	1	0.0	0	0.0	1	0
Off-Road Vehicle (ORV) / All-Terrain Vehicle (ATV)	1	0.0	0	0.0	0	1
Other	11	0.5	1	9.1	2	8
Truck/bus over 10,000 lbs.	42	2.0	1	9.1	7	34
Unknown	14	0.7	0	0.0	1	13
<b>TOTAL</b>	<b>2,133</b>	<b>100.0</b>	<b>11</b>	<b>100.0</b>	<b>300</b>	<b>1,822</b>

## Gratiot County Experience

Gratiot County experienced the highest number of fatal crashes (2) and the highest number of persons killed (2) in April and December.

Gratiot County driver statistics indicate 7.6 percent of licensed drivers were age 16-20, and 12.7 percent of drivers in that age group were involved in crashes.



## Crash Type

	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	1,318	76.7	5	62.5	9	43	50	1,211
Head On	9	0.5	1	12.5	3	1	1	3
Head On - Left Turn	12	0.7	0	0.0	0	1	5	6
Angle	109	6.3	1	12.5	4	6	20	78
Rear End	133	7.7	1	12.5	1	5	23	103
Rear End - Left Turn	14	0.8	0	0.0	1	3	4	6
Rear End - Right Turn	4	0.2	0	0.0	0	0	2	2
Sideswipe - Same Direction	55	3.2	0	0.0	0	3	4	48
Sideswipe - Opposite Direct	15	0.9	0	0.0	0	0	2	13
Other/Unknown	50	2.9	0	0.0	0	4	5	41
<b>Total</b>	<b>1,719</b>	<b>100.0</b>	<b>8</b>	<b>100.0</b>	<b>18</b>	<b>66</b>	<b>116</b>	<b>1,511</b>

## Relationship to Roadway

Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	1,442	83.9	6	75.0	13	37	80	1,306
Median	6	0.3	0	0.0	0	0	0	6
Shoulder	64	3.7	1	12.5	1	10	10	42
Outside of Shoulder/Curb	166	9.7	1	12.5	4	13	21	127
Gore	4	0.2	0	0.0	0	2	1	1
Other/Unknown	37	2.2	0	0.0	0	4	4	29
<b>Total</b>	<b>1,719</b>	<b>100.0</b>	<b>8</b>	<b>100.0</b>	<b>18</b>	<b>66</b>	<b>116</b>	<b>1,511</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				Total drivers coded drinking	BAC = 0.00	BAC 0.01 g/dL to 0.07 g/dL	BAC 0.08 g/dL to 0.16 g/dL	BAC 0.17 g/dL and above	BAC not reported
0 - 15	0	0	0	0	0	0	0	0	0
16 - 20	2	1	1	2	0	0	0	0	2
21 - 64	35	38	24	30	0	0	0	2	28
65 +	4	4	4	4	0	0	0	0	4
Other/Unknown	5	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>46</b>	<b>43</b>	<b>29</b>	<b>36</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>34</b>

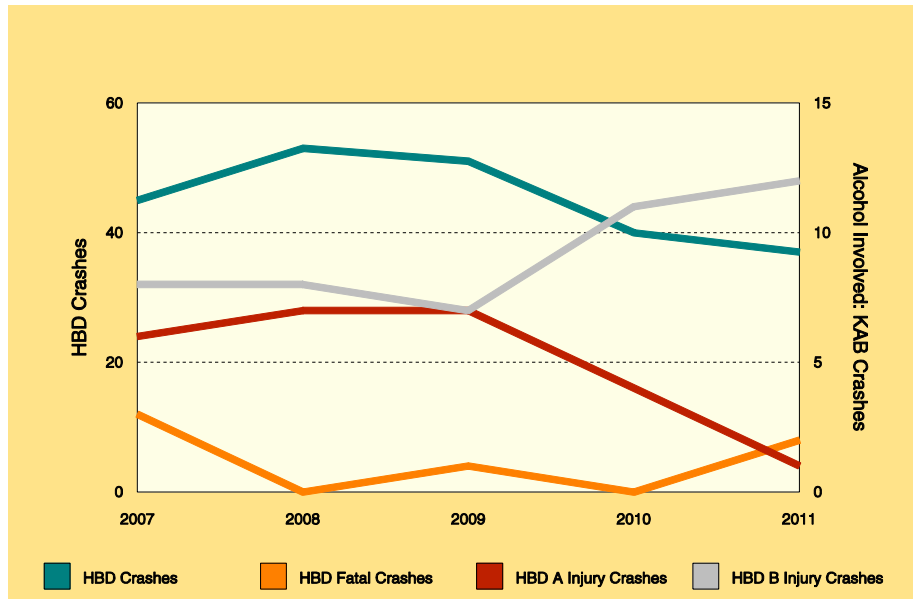
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

GRATIOT	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	1,833	45	2.5	4	3	75.0	43	6	14.0	70	8	11.4
2008	1,819	53	2.9	6	0	0.0	23	7	30.4	60	8	13.3
2009	1,933	51	2.6	6	1	16.7	31	7	22.6	63	7	11.1
2010	1,737	40	2.3	6	0	0.0	26	4	15.4	44	11	25.0
2011	1,719*	37*	2.2	8**	2	25.0	18*	1*	5.6	66	12**	18.2

\* Lowest number reported in the 5-year period. \*\* Highest number reported in the 5-year period.

**Restraint use among reported vehicle occupants by vehicle type**

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	1,600	1,533	95.8	4	2	50.0	18	16	88.9	53	46	86.8	128	126	98.4	1,355	1,331	98.2
Van, motorhome	82	77	93.9	0	0	0.0	1	0	0.0	1	1	100.0	4	3	75.0	75	73	97.3
Pickup truck	400	374	93.5	0	0	0.0	2	1	50.0	19	16	84.2	23	22	95.7	341	333	97.7
Small truck under 10,000 lbs. GVWR	46	46	100.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	45	45	100.0
Cycle	14	12	85.7	0	0	0.0	1	1	100.0	6	6	100.0	5	3	60.0	2	2	100.0
Moped	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	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	3	2	66.7	0	0	0.0	2	2	100.0	0	0	0.0	1	0	0.0	0	0	0.0
Off-Road Vehicle (ORV) /All-Terrain Vehicle (ATV)	1	1	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0
Other	11	6	54.5	0	0	0.0	1	0	0.0	0	0	0.0	0	0	0.0	8	6	75.0
Truck/bus over 10,000 lbs.	42	34	81.0	1	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	36	33	91.7
Uncoded & errors	14	1	7.1	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0
<b>TOTAL</b>	<b>2,214</b>	<b>2,086</b>	<b>94.2</b>	<b>5</b>	<b>2</b>	<b>40.0</b>	<b>25</b>	<b>20</b>	<b>80.0</b>	<b>80</b>	<b>69</b>	<b>86.3</b>	<b>163</b>	<b>156</b>	<b>95.7</b>	<b>1,864</b>	<b>1,825</b>	<b>97.9</b>

**Restraint use among reported vehicle occupants by age**

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	29	27	93.1	0	0	0.0	3	3	100.0	6	6	100.0	17	15	88.2	3	3	100.0
16 - 20	288	280	97.2	1	0	0.0	3	2	66.7	17	15	88.2	27	27	100.0	237	234	98.7
21 - 64	1,621	1,569	96.8	3	1	33.3	18	14	77.8	47	41	87.2	100	96	96.0	1,439	1,406	97.7
65 +	211	209	99.1	1	1	100.0	1	1	100.0	7	6	85.7	19	18	94.7	182	182	100.0
Other/Unknown	65	1	1.5	0	0	0.0	0	0	0.0	3	1	33.3	0	0	0.0	3	0	0.0
<b>TOTAL</b>	<b>2,214</b>	<b>2,086</b>	<b>94.2</b>	<b>5</b>	<b>2</b>	<b>40.0</b>	<b>25</b>	<b>20</b>	<b>80.0</b>	<b>80</b>	<b>69</b>	<b>86.3</b>	<b>163</b>	<b>156</b>	<b>95.7</b>	<b>1,864</b>	<b>1,825</b>	<b>97.9</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Alma	6	3	3	3	0	0	0	0	3
Arcadia Twp.	0	2	0	0	0	0	0	0	0
Ashley	0	0	0	0	0	0	0	0	0
Bethany Twp.	5	5	4	4	0	0	0	0	4
Breckenridge	1	1	1	1	0	0	0	0	1
Elba Twp.	0	0	0	0	0	0	0	0	0
Emerson Twp.	5	6	3	4	0	0	0	0	4
Fulton Twp.	2	3	2	2	0	0	0	0	2
Hamilton Twp.	1	1	1	1	0	0	0	0	1
Ithaca	1	0	0	1	0	0	0	0	1
Lafayette Twp.	0	0	0	0	0	0	0	0	0
New Haven Twp.	1	0	0	1	0	0	0	0	1
Newark Twp.	0	1	0	0	0	0	0	0	0
North Shade Twp.	3	3	3	3	0	0	0	0	3
North Star Twp.	0	0	0	0	0	0	0	0	0
Perrinton	1	1	1	1	0	0	0	0	1
Pine River Twp.	6	7	4	4	0	0	0	0	4
St. Louis	0	1	0	0	0	0	0	0	0
Seville Twp.	6	3	3	4	0	0	0	1	3
Sumner Twp.	5	3	3	5	0	0	0	0	5
Washington Twp.	0	0	0	0	0	0	0	0	0
Wheeler Twp.	3	3	1	2	0	0	0	1	1
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Gratiot County TOTAL</b>	<b>46</b>	<b>43</b>	<b>29</b>	<b>36</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>34</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Alma	145	0	0	24	3	0	0	0	7	0	0	0
Arcadia Twp.	98	0	0	8	0	0	0	0	10	0	0	1
Ashley	4	0	0	1	0	0	0	0	0	0	0	0
Bethany Twp.	47	1	1	15	4	0	0	2	7	1	1	2
Breckenridge	16	0	0	2	1	0	0	0	2	0	0	0
Elba Twp.	63	0	0	1	0	0	0	0	5	0	0	0
Emerson Twp.	163	1	1	18	4	0	0	5	16	0	0	2
Fulton Twp.	68	0	0	12	2	0	0	1	7	0	0	4
Hamilton Twp.	30	1	1	3	1	0	0	0	3	0	0	1
Ithaca	53	1	1	13	1	1	1	0	4	0	0	2
Lafayette Twp.	42	0	0	6	0	0	0	0	6	0	0	2
New Haven Twp.	34	0	0	2	1	0	0	1	4	0	0	0
Newark Twp.	82	0	0	11	0	0	0	0	12	0	0	6
North Shade Twp.	33	0	0	7	3	0	0	2	0	0	0	0
North Star Twp.	114	1	1	16	0	0	0	0	19	0	0	6
Perrinton	6	0	0	3	1	0	0	0	1	0	0	2
Pine River Twp.	252	0	0	70	5	0	0	4	31	0	0	8
St. Louis	58	1	1	14	0	0	0	0	4	0	0	0
Seville Twp.	124	1	1	23	4	0	0	4	15	0	0	9
Sumner Twp.	106	0	0	17	5	0	0	4	5	0	0	2
Washington Twp.	111	0	0	4	0	0	0	0	15	0	0	0
Wheeler Twp.	70	1	1	5	2	1	1	1	7	0	0	0
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Gratiot County TOTAL</b>	<b>1,719</b>	<b>8</b>	<b>8</b>	<b>275</b>	<b>37</b>	<b>2</b>	<b>2</b>	<b>24</b>	<b>180</b>	<b>1</b>	<b>1</b>	<b>47</b>

Restraint use among reported vehicle occupants by municipality

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Alma	262	232	88.5	0	0	0.0	0	0	0.0	4	4	100.0	19	18	94.7	214	207	96.7
Arcadia Twp.	105	102	97.1	0	0	0.0	0	0	0.0	3	3	100.0	5	5	100.0	97	94	96.9
Ashley	7	5	71.4	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	4	4	100.0
Bethany Twp.	65	57	87.7	1	1	100.0	3	2	66.7	5	4	80.0	7	5	71.4	46	45	97.8
Breckenridge	27	24	88.9	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	24	23	95.8
Elba Twp.	68	64	94.1	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	66	62	93.9
Emerson Twp.	179	176	98.3	0	0	0.0	0	0	0.0	6	5	83.3	12	12	100.0	159	158	99.4
Fulton Twp.	77	72	93.5	0	0	0.0	1	1	100.0	5	4	80.0	5	5	100.0	64	61	95.3
Hamilton Twp.	31	30	96.8	1	0	0.0	0	0	0.0	2	2	100.0	1	1	100.0	27	27	100.0
Ithaca	92	88	95.7	0	0	0.0	4	4	100.0	1	1	100.0	8	8	100.0	76	75	98.7
Lafayette Twp.	47	45	95.7	0	0	0.0	1	0	0.0	2	1	50.0	3	3	100.0	41	41	100.0
New Haven Twp.	37	36	97.3	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0	34	34	100.0
Newark Twp.	92	90	97.8	0	0	0.0	2	2	100.0	5	5	100.0	4	4	100.0	80	79	98.8
North Shade Twp.	38	37	97.4	0	0	0.0	0	0	0.0	3	2	66.7	4	4	100.0	31	31	100.0
North Star Twp.	135	129	95.6	1	0	0.0	0	0	0.0	6	6	100.0	9	9	100.0	115	114	99.1
Perrinton	9	8	88.9	0	0	0.0	0	0	0.0	2	2	100.0	1	1	100.0	6	5	83.3
Pine River Twp.	367	346	94.3	0	0	0.0	8	7	87.5	16	11	68.8	45	42	93.3	290	286	98.6
St. Louis	104	93	89.4	0	0	0.0	0	0	0.0	0	0	0.0	13	12	92.3	82	80	97.6
Seville Twp.	146	142	97.3	1	1	100.0	4	3	75.0	8	7	87.5	11	11	100.0	118	118	100.0
Sumner Twp.	119	112	94.1	0	0	0.0	1	1	100.0	9	9	100.0	6	6	100.0	99	95	96.0
Washington Twp.	125	123	98.4	0	0	0.0	0	0	0.0	1	1	100.0	3	3	100.0	118	116	98.3
Wheeler Twp.	82	75	91.5	1	0	0.0	1	0	0.0	2	2	100.0	2	2	100.0	73	70	95.9
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Gratiot County TOTAL</b>	<b>2,214</b>	<b>2,086</b>	<b>94.2</b>	<b>5</b>	<b>2</b>	<b>40.0</b>	<b>25</b>	<b>20</b>	<b>80.0</b>	<b>80</b>	<b>69</b>	<b>86.3</b>	<b>163</b>	<b>156</b>	<b>95.7</b>	<b>1,864</b>	<b>1,825</b>	<b>97.9</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	211	0	24	187	0	31
February	146	0	17	129	0	23
March	105	0	8	97	0	9
April	112	0	14	98	0	22
May	90	0	9	81	0	14
June	128	0	19	109	0	23
July	80	0	12	68	0	16
August	89	0	13	76	0	16
September	118	0	23	95	0	29
October	169	1	16	152	1	24
November	235	1	20	214	1	29
December	185	1	15	169	1	21
<b>TOTAL</b>	<b>1,668</b>	<b>3</b>	<b>190</b>	<b>1,475</b>	<b>3</b>	<b>257</b>

In Hillsdale County in 2010 there were:

1,668 crashes

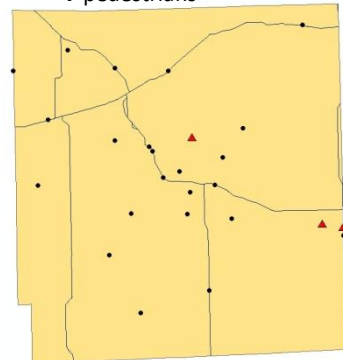
Involving:

2,361 people

2,351 motor vehicle drivers and passengers

3 bicyclists

7 pedestrians



Crashes by most severe injury (mapped/actual)

▲ Fatal (3/3)  
● Incapacitating (A) (24/24)

## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	9,681	295	2	2.1	67.8
16 - 20	3,718	2,300	221	594.4	960.9
21 - 64	25,945	24,258	1,555	599.3	641.0
65 +	7,344	6,837	219	298.2	320.3
Other/Unknown	--	--	78	--	--
<b>TOTAL</b>	<b>46,688</b>	<b>33,690</b>	<b>2,075</b>	<b>444.4</b>	<b>615.9</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	1,337	64.4	1	33.3	169	1,167
Van, motorhome	141	6.8	0	0.0	27	114
Pickup truck	446	21.5	1	33.3	53	392
Small truck under 10,000 lbs. GVWR	76	3.7	1	33.3	12	63
Cycle	12	0.6	0	0.0	10	2
Moped	2	0.1	0	0.0	2	0
Go 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)	0	0.0	0	0.0	0	0
Other	8	0.4	0	0.0	2	6
Truck/bus over 10,000 lbs.	35	1.7	0	0.0	6	29
Unknown	18	0.9	0	0.0	0	18
<b>TOTAL</b>	<b>2,075</b>	<b>100.0</b>	<b>3</b>	<b>100.0</b>	<b>281</b>	<b>1,791</b>

## Hillsdale County Experience

Hillsdale County experienced the highest number of fatal crashes (1) and the highest number of persons killed (1) in October, November, and December.

Hillsdale County driver statistics indicate 6.8 percent of licensed drivers were age 16-20, and 10.7 percent of drivers in that age group were involved in crashes.



Crash Type								
	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	1,269	76.1	3	100.0	16	21	68	1,161
Head On	21	1.3	0	0.0	5	0	4	12
Head On - Left Turn	14	0.8	0	0.0	0	1	7	6
Angle	117	7.0	0	0.0	1	6	23	87
Rear End	102	6.1	0	0.0	1	3	17	81
Rear End - Left Turn	8	0.5	0	0.0	0	0	2	6
Rear End - Right Turn	4	0.2	0	0.0	0	0	2	2
Sideswipe - Same Direction	54	3.2	0	0.0	1	0	4	49
Sideswipe - Opposite Direct	21	1.3	0	0.0	0	1	1	19
Other/Unknown	58	3.5	0	0.0	0	2	4	52
<b>Total</b>	<b>1,668</b>	<b>100.0</b>	<b>3</b>	<b>100.0</b>	<b>24</b>	<b>34</b>	<b>132</b>	<b>1,475</b>

Relationship to Roadway								
Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	1,373	82.3	0	0.0	14	19	87	1,253
Median	0	0.0	0	0.0	0	0	0	0
Shoulder	69	4.1	0	0.0	0	1	10	58
Outside of Shoulder/Curb	199	11.9	3	100.0	10	12	33	141
Gore	9	0.5	0	0.0	0	1	0	8
Other/Unknown	18	1.1	0	0.0	0	1	2	15
<b>Total</b>	<b>1,668</b>	<b>100.0</b>	<b>3</b>	<b>100.0</b>	<b>24</b>	<b>34</b>	<b>132</b>	<b>1,475</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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	3	4	3	3	0	1	2	0	0
21 - 64	43	40	35	40	1	3	10	16	10
65 +	0	1	0	0	0	0	0	0	0
Other/Unknown	3	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>49</b>	<b>45</b>	<b>38</b>	<b>43</b>	<b>1</b>	<b>4</b>	<b>12</b>	<b>16</b>	<b>10</b>

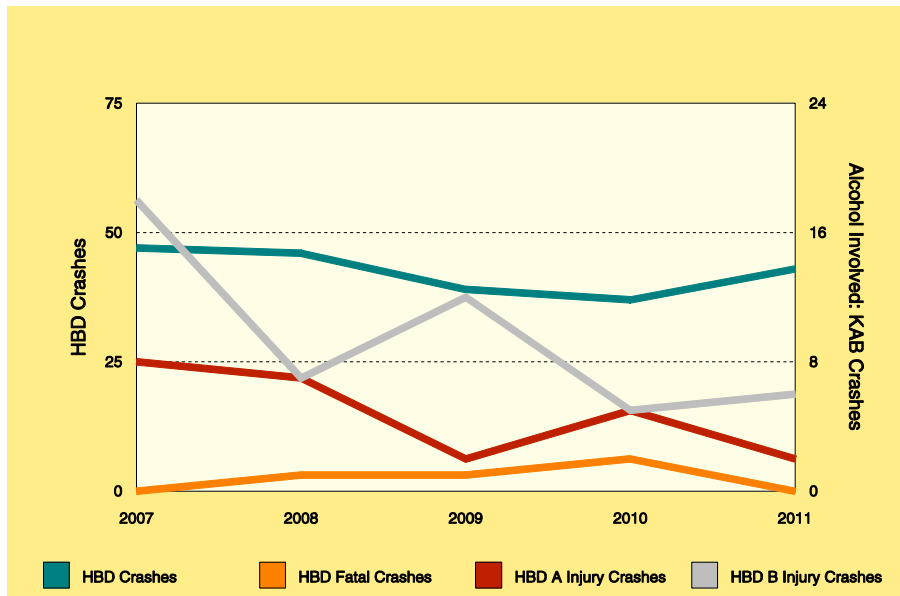
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

HILLSDALE	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	1,913	47	2.5	4	0	0.0	37	8	21.6	88	18	20.5
2008	1,994	46	2.0	8	1	12.5	40	7	17.5	69	7	10.1
2009	1,828	39	2.1	5	1	20.0	35	2	5.7	71	12	16.9
2010	1,740	37	2.1	8	2	25.0	25	5	20.0	36	5	13.9
2011	1,668*	43	2.6	3*	0	0.0	24*	2	8.3	34*	6	17.6

\* Lowest number reported in the 5-year period.

## Restraint use among reported vehicle occupants by vehicle type

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	1,382	1,297	93.8	1	0	0.0	14	12	85.7	24	19	79.2	122	116	95.1	1,189	1,149	96.6
Van, motorhome	144	131	91.0	0	0	0.0	1	0	0.0	3	2	66.7	13	12	92.3	122	117	95.9
Pickup truck	460	418	90.9	1	0	0.0	6	2	33.3	10	7	70.0	31	27	87.1	400	382	95.5
Small truck under 10,000 lbs. GVWR	80	79	98.8	1	1	100.0	1	1	100.0	1	1	100.0	9	9	100.0	68	67	98.5
Cycle	12	12	100.0	0	0	0.0	1	1	100.0	0	0	0.0	9	9	100.0	2	2	100.0
Moped	2	1	50.0	0	0	0.0	0	0	0.0	1	1	100.0	1	0	0.0	0	0	0.0
Go 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)	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Other	8	4	50.0	0	0	0.0	1	0	0.0	0	0	0.0	0	0	0.0	6	4	66.7
Truck/bus over 10,000 lbs.	35	32	91.4	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0	32	30	93.8
Uncoded & errors	18	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>TOTAL</b>	<b>2,141</b>	<b>1,974</b>	<b>92.2</b>	<b>3</b>	<b>1</b>	<b>33.3</b>	<b>24</b>	<b>16</b>	<b>66.7</b>	<b>39</b>	<b>30</b>	<b>76.9</b>	<b>187</b>	<b>175</b>	<b>93.6</b>	<b>1,819</b>	<b>1,751</b>	<b>96.3</b>

## Restraint use among reported vehicle occupants by age

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	16	13	81.3	0	0	0.0	1	0	0.0	7	5	71.4	7	7	100.0	1	1	100.0
16 - 20	238	227	95.4	1	1	100.0	7	6	85.7	5	4	80.0	40	38	95.0	185	178	96.2
21 - 64	1,584	1,523	96.1	0	0	0.0	13	10	76.9	22	19	86.4	126	117	92.9	1,423	1,377	96.8
65 +	225	209	92.9	2	0	0.0	3	0	0.0	5	2	40.0	14	13	92.9	201	194	96.5
Other/Unknown	78	2	2.6	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	9	1	11.1
<b>TOTAL</b>	<b>2,141</b>	<b>1,974</b>	<b>92.2</b>	<b>3</b>	<b>1</b>	<b>33.3</b>	<b>24</b>	<b>16</b>	<b>66.7</b>	<b>39</b>	<b>30</b>	<b>76.9</b>	<b>187</b>	<b>175</b>	<b>93.6</b>	<b>1,819</b>	<b>1,751</b>	<b>96.3</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Adams Twp.	2	3	2	2	0	0	0	0	0
Allen	0	0	0	0	0	0	0	0	0
Allen Twp.	3	3	3	3	0	0	0	0	0
Amboy Twp.	0	0	0	0	0	0	0	0	0
Cambria Twp.	1	1	1	1	0	0	0	0	0
Camden	0	0	0	0	0	0	0	0	0
Camden Twp.	0	0	0	0	0	0	0	0	0
Fayette Twp.	5	5	5	5	0	0	0	0	0
Hillsdale	11	7	7	7	0	0	0	0	0
Hillsdale Twp.	3	3	3	3	0	0	0	0	0
Jefferson Twp.	2	3	1	2	0	0	0	0	0
Jonesville	2	2	1	1	0	0	0	0	0
Litchfield	0	0	0	0	0	0	0	0	0
Litchfield Twp.	1	1	1	1	0	0	0	0	0
Montgomery	0	0	0	0	0	0	0	0	0
Moscow Twp.	4	2	2	4	0	0	0	0	0
North Adams	0	0	0	0	0	0	0	0	0
Pittsford Twp.	4	4	3	4	0	0	0	0	0
Ransom Twp.	0	1	0	0	0	0	0	0	0
Reading	0	0	0	0	0	0	0	0	0
Reading Twp.	2	2	2	2	0	0	0	0	0
Scipio Twp.	3	4	3	3	0	0	0	0	0
Somerset Twp.	3	2	2	2	0	0	0	0	0
Waldron	0	0	0	0	0	0	0	0	0
Wheatland Twp.	2	2	2	2	0	0	0	0	0
Woodbridge Twp.	1	0	0	1	0	0	0	0	0
Wright Twp.	0	0	0	0	0	0	0	0	0
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Hillsdale County TOTAL</b>	<b>49</b>	<b>45</b>	<b>38</b>	<b>43</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Adams Twp.	98	1	1	16	2	0	0	3	8	0	0	4
Allen	2	0	0	1	0	0	0	0	2	0	0	0
Allen Twp.	70	0	0	9	3	0	0	2	9	0	0	2
Amboy Twp.	39	0	0	2	0	0	0	0	1	0	0	0
Cambria Twp.	91	0	0	11	1	0	0	0	12	0	0	3
Camden	2	0	0	1	0	0	0	0	0	0	0	0
Camden Twp.	42	0	0	4	0	0	0	0	5	0	0	2
Fayette Twp.	101	0	0	14	5	0	0	1	14	0	0	2
Hillsdale	240	0	0	53	7	0	0	1	10	0	0	0
Hillsdale Twp.	119	0	0	17	3	0	0	3	12	0	0	3
Jefferson Twp.	89	0	0	19	2	0	0	1	11	0	0	6
Jonesville	84	0	0	16	1	0	0	1	5	0	0	1
Litchfield	25	0	0	2	0	0	0	0	0	0	0	0
Litchfield Twp.	64	0	0	9	1	0	0	0	8	0	0	3
Montgomery	1	0	0	0	0	0	0	0	1	0	0	0
Moscow Twp.	74	0	0	6	4	0	0	0	8	0	0	1
North Adams	2	0	0	1	0	0	0	0	0	0	0	0
Pittsford Twp.	70	2	2	14	4	0	0	4	5	2	2	5
Ransom Twp.	38	0	0	5	0	0	0	0	2	0	0	0
Reading	12	0	0	3	0	0	0	0	1	0	0	1
Reading Twp.	72	0	0	9	2	0	0	1	6	0	0	0
Scipio Twp.	106	0	0	13	3	0	0	2	13	0	0	5
Somerset Twp.	91	0	0	16	2	0	0	1	12	0	0	1
Waldron	2	0	0	0	0	0	0	0	0	0	0	0
Wheatland Twp.	64	0	0	7	2	0	0	0	7	0	0	2
Woodbridge Twp.	46	0	0	3	1	0	0	0	3	0	0	0
Wright Twp.	24	0	0	6	0	0	0	0	4	0	0	3
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Hillsdale County TOTAL</b>	<b>1,668</b>	<b>3</b>	<b>3</b>	<b>257</b>	<b>43</b>	<b>0</b>	<b>0</b>	<b>20</b>	<b>159</b>	<b>2</b>	<b>2</b>	<b>44</b>

## Restraint use among reported vehicle occupants by municipality

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Adams Twp.	114	106	93.0	1	0	0.0	2	1	50.0	3	2	66.7	11	9	81.8	96	94	97.9
Allen	3	3	100.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	2	2	100.0
Allen Twp.	81	77	95.1	0	0	0.0	1	1	100.0	2	2	100.0	6	5	83.3	70	69	98.6
Amboy Twp.	43	42	97.7	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0	41	40	97.6
Cambria Twp.	106	99	93.4	0	0	0.0	2	1	50.0	5	4	80.0	4	3	75.0	93	91	97.8
Camden	3	3	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	3	3	100.0
Camden Twp.	45	43	95.6	0	0	0.0	0	0	0.0	1	1	100.0	3	3	100.0	41	39	95.1
Fayette Twp.	120	111	92.5	0	0	0.0	0	0	0.0	2	1	50.0	12	10	83.3	105	100	95.2
Hillsdale	422	362	85.8	0	0	0.0	1	1	100.0	6	6	100.0	42	40	95.2	332	315	94.9
Hillsdale Twp.	143	136	95.1	0	0	0.0	2	1	50.0	2	0	0.0	13	12	92.3	126	123	97.6
Jefferson Twp.	104	99	95.2	0	0	0.0	4	3	75.0	4	4	100.0	11	10	90.9	84	82	97.6
Jonesville	142	123	86.6	0	0	0.0	0	0	0.0	2	0	0.0	13	13	100.0	117	110	94.0
Litchfield	35	31	88.6	0	0	0.0	1	1	100.0	0	0	0.0	1	1	100.0	33	29	87.9
Litchfield Twp.	72	68	94.4	0	0	0.0	2	0	0.0	1	1	100.0	6	6	100.0	62	60	96.8
Montgomery	1	1	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0
Moscow Twp.	87	83	95.4	0	0	0.0	0	0	0.0	0	0	0.0	6	6	100.0	80	77	96.3
North Adams	3	3	100.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	2	2	100.0
Pittsford Twp.	83	78	94.0	2	1	50.0	1	0	0.0	3	2	66.7	10	9	90.0	66	66	100.0
Ransom Twp.	40	40	100.0	0	0	0.0	0	0	0.0	2	2	100.0	2	2	100.0	36	36	100.0
Reading	21	19	90.5	0	0	0.0	0	0	0.0	0	0	0.0	3	3	100.0	16	16	100.0
Reading Twp.	81	76	93.8	0	0	0.0	1	0	0.0	1	1	100.0	7	7	100.0	72	68	94.4
Scipio Twp.	120	115	95.8	0	0	0.0	3	3	100.0	0	0	0.0	10	9	90.0	104	103	99.0
Somerset Twp.	119	108	90.8	0	0	0.0	1	1	100.0	1	0	0.0	14	14	100.0	101	93	92.1
Waldron	2	2	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0
Wheatland Twp.	72	70	97.2	0	0	0.0	0	0	0.0	2	2	100.0	5	5	100.0	65	63	96.9
Woodbridge Twp.	50	47	94.0	0	0	0.0	3	3	100.0	0	0	0.0	0	0	0.0	46	44	95.7
Wright Twp.	29	29	100.0	0	0	0.0	0	0	0.0	2	2	100.0	4	4	100.0	23	23	100.0
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Hillsdale County TOTAL</b>	<b>2,141</b>	<b>1,974</b>	<b>92.2</b>	<b>3</b>	<b>1</b>	<b>33.3</b>	<b>24</b>	<b>16</b>	<b>66.7</b>	<b>39</b>	<b>30</b>	<b>76.9</b>	<b>187</b>	<b>175</b>	<b>93.6</b>	<b>1,819</b>	<b>1,751</b>	<b>96.3</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	159	0	19	140	0	21
February	83	0	12	71	0	15
March	49	0	9	40	0	11
April	56	0	10	46	0	11
May	60	1	9	50	1	13
June	66	0	15	51	0	15
July	67	1	14	52	1	21
August	62	1	15	46	1	19
September	77	0	10	67	0	12
October	90	0	11	79	0	11
November	145	0	14	131	0	19
December	128	0	13	115	0	17
<b>TOTAL</b>	<b>1,042</b>	<b>3</b>	<b>151</b>	<b>888</b>	<b>3</b>	<b>185</b>

In Houghton County in 2010 there were:  
1,042 crashes

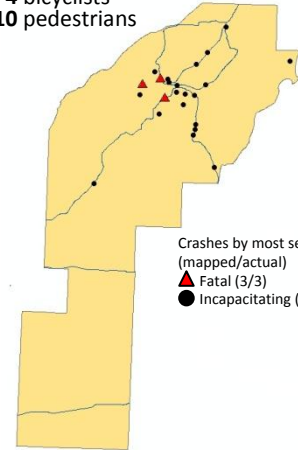
Involving:

1,810 people

1,796 motor vehicle drivers and passengers

4 bicyclists

10 pedestrians



## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	6,754	193	3	4.4	155.4
16 - 20	4,469	1,817	262	586.3	1441.9
21 - 64	19,929	17,278	1,024	513.8	592.7
65 +	5,476	4,690	173	315.9	368.9
Other/Unknown	--	--	108	--	--
<b>TOTAL</b>	<b>36,628</b>	<b>23,978</b>	<b>1,570</b>	<b>428.6</b>	<b>654.8</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Houghton County Experience

Houghton County experienced the highest number of fatal crashes (1) and the highest number of persons killed (1) in May, July, and August.

Houghton County driver statistics indicate 7.6 percent of licensed drivers were age 16-20, and 16.7 percent of drivers in that age group were involved in crashes



## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	1,104	70.3	1	25.0	187	916
Van, motorhome	77	4.9	0	0.0	16	61
Pickup truck	257	16.4	1	25.0	29	227
Small truck under 10,000 lbs. GVWR	45	2.9	0	0.0	2	43
Cycle	12	0.8	1	25.0	10	1
Moped	1	0.1	0	0.0	1	0
Go Cart	0	0.0	0	0.0	0	0
Snowmobile	1	0.1	0	0.0	0	1
Off-Road Vehicle (ORV) / All-Terrain Vehicle (ATV)	2	0.1	0	0.0	1	1
Other	9	0.6	0	0.0	2	7
Truck/bus over 10,000 lbs.	35	2.2	1	25.0	4	30
Unknown	27	1.7	0	0.0	0	27
<b>TOTAL</b>	<b>1,570</b>	<b>100.0</b>	<b>4</b>	<b>100.0</b>	<b>252</b>	<b>1,314</b>

## Crash Type

	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	534	51.2	2	66.7	12	15	33	472
Head On	10	1.0	0	0.0	0	2	0	8
Head On - Left Turn	15	1.4	0	0.0	0	2	2	11
Angle	174	16.7	0	0.0	1	7	24	142
Rear End	144	13.8	1	33.3	3	7	17	116
Rear End - Left Turn	8	0.8	0	0.0	0	1	2	5
Rear End - Right Turn	3	0.3	0	0.0	0	0	0	3
Sideswipe - Same Direction	72	6.9	0	0.0	1	3	3	65
Sideswipe - Opposite Direct	32	3.1	0	0.0	2	2	2	26
Other/Unknown	50	4.8	0	0.0	1	6	3	40
<b>Total</b>	<b>1,042</b>	<b>100.0</b>	<b>3</b>	<b>100.0</b>	<b>20</b>	<b>45</b>	<b>86</b>	<b>888</b>

## Relationship to Roadway

Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	785	75.3	1	33.3	11	34	63	676
Median	3	0.3	0	0.0	0	0	0	3
Shoulder	83	8.0	0	0.0	2	6	2	73
Outside of Shoulder/Curb	136	13.1	2	66.7	6	5	18	105
Gore	5	0.5	0	0.0	0	0	1	4
Other/Unknown	30	2.9	0	0.0	1	0	2	27
<b>Total</b>	<b>1,042</b>	<b>100.0</b>	<b>3</b>	<b>100.0</b>	<b>20</b>	<b>45</b>	<b>86</b>	<b>888</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				Total drivers coded drinking	BAC = 0.00	BAC 0.01 g/dL to 0.07 g/dL	BAC 0.08 g/dL to 0.16 g/dL	BAC 0.17 g/dL and above	BAC not reported
0 - 15	0	0	0	0	0	0	0	0	0
16 - 20	2	2	1	1	0	0	0	0	1
21 - 64	49	47	38	42	0	2	1	9	30
65 +	4	4	4	4	0	1	0	0	3
Other/Unknown	6	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>61</b>	<b>53</b>	<b>43</b>	<b>47</b>	<b>0</b>	<b>3</b>	<b>1</b>	<b>9</b>	<b>34</b>

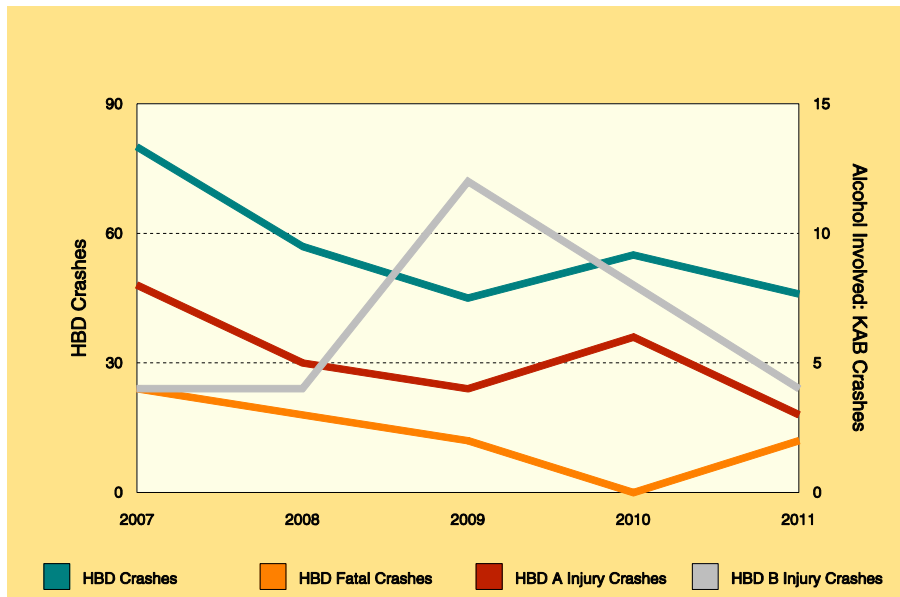
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

HOUGHTON	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	1,218	80	6.6	7	4	57.1	35	8	22.9	39	4	10.3
2008	1,130	57	5.0	5	3	60.0	48	5	10.4	32	4	12.5
2009	1,069	45	4.2	3	2	66.7	31	4	12.9	40	12	30.0
2010	927	55	5.9	3	0	0.0	25	6	24.0	37	8	21.6
2011	1,042	46	4.4	3	2	66.7	20*	3*	15.0	45**	4	8.9

\* Lowest number reported in the 5-year period. \*\* Highest number reported in the 5-year period.

## Restraint use among reported vehicle occupants by vehicle type

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	1,137	1,032	90.8	1	0	0.0	12	6	50.0	27	22	81.5	83	79	95.2	955	922	96.5
Van, motorhome	82	74	90.2	0	0	0.0	2	2	100.0	4	2	50.0	9	8	88.9	63	62	98.4
Pickup truck	262	236	90.1	1	1	100.0	1	1	100.0	4	3	75.0	13	10	76.9	225	219	97.3
Small truck under 10,000 lbs. GVWR	45	42	93.3	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0	42	40	95.2
Cycle	13	12	92.3	1	1	100.0	3	2	66.7	5	5	100.0	3	3	100.0	1	1	100.0
Moped	1	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0	0	0	0.0
Go 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	1	1	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0
Off-Road Vehicle (ORV) /All-Terrain Vehicle (ATV)	3	2	66.7	0	0	0.0	2	2	100.0	0	0	0.0	0	0	0.0	0	0	0.0
Other	9	4	44.4	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	8	4	50.0
Truck/bus over 10,000 lbs.	35	33	94.3	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	35	33	94.3
Uncoded & errors	27	1	3.7	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0
<b>TOTAL</b>	<b>1,615</b>	<b>1,437</b>	<b>89.0</b>	<b>3</b>	<b>2</b>	<b>66.7</b>	<b>20</b>	<b>13</b>	<b>65.0</b>	<b>40</b>	<b>32</b>	<b>80.0</b>	<b>111</b>	<b>102</b>	<b>91.9</b>	<b>1,331</b>	<b>1,283</b>	<b>96.4</b>

## Restraint use among reported vehicle occupants by age

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	16	13	81.3	0	0	0.0	2	2	100.0	8	5	62.5	4	4	100.0	2	2	100.0
16 - 20	272	250	91.9	0	0	0.0	7	3	42.9	6	5	83.3	20	15	75.0	237	227	95.8
21 - 64	1,040	1,001	96.3	3	2	66.7	9	6	66.7	19	18	94.7	74	70	94.6	930	900	96.8
65 +	176	171	97.2	0	0	0.0	2	2	100.0	5	4	80.0	12	12	100.0	157	153	97.5
Other/Unknown	111	2	1.8	0	0	0.0	0	0	0.0	2	0	0.0	1	1	100.0	5	1	20.0
<b>TOTAL</b>	<b>1,615</b>	<b>1,437</b>	<b>89.0</b>	<b>3</b>	<b>2</b>	<b>66.7</b>	<b>20</b>	<b>13</b>	<b>65.0</b>	<b>40</b>	<b>32</b>	<b>80.0</b>	<b>111</b>	<b>102</b>	<b>91.9</b>	<b>1,331</b>	<b>1,283</b>	<b>96.4</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Adams Twp.	3	3	3	3	0	0	0	0	3
Calumet	7	4	4	4	0	0	0	4	0
Calumet Twp.	8	5	3	4	0	0	0	0	4
Chassell Twp.	5	4	3	3	0	0	1	0	2
Copper City	0	0	0	0	0	0	0	0	0
Duncan Twp.	0	0	0	0	0	0	0	0	0
Elm River Twp.	0	0	0	0	0	0	0	0	0
Franklin Twp.	3	3	3	3	0	0	0	0	3
Hancock	6	5	5	5	0	0	0	2	3
Hancock Twp.	0	0	0	0	0	0	0	0	0
Houghton	5	5	5	5	0	0	0	1	4
Laird Twp.	0	1	0	0	0	0	0	0	0
Lake Linden	0	0	0	0	0	0	0	0	0
Laurium	1	2	1	1	0	0	0	0	1
Osceola Twp.	9	7	5	5	0	2	0	0	3
Portage Twp.	5	6	4	5	0	0	0	0	5
Quincy Twp.	0	0	0	0	0	0	0	0	0
Schoolcraft Twp.	2	1	1	2	0	0	0	0	2
South Range	0	0	0	0	0	0	0	0	0
Stanton Twp.	5	5	4	5	0	1	0	1	3
Torch Lake Twp.	2	2	2	2	0	0	0	1	1
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Houghton County TOTAL</b>	<b>61</b>	<b>53</b>	<b>43</b>	<b>47</b>	<b>0</b>	<b>3</b>	<b>1</b>	<b>9</b>	<b>34</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Adams Twp.	44	0	0	9	3	0	0	2	9	0	0	2
Calumet	13	0	0	2	4	0	0	1	1	0	0	0
Calumet Twp.	65	0	0	12	4	0	0	0	10	0	0	1
Chassell Twp.	60	0	0	10	3	0	0	0	8	0	0	3
Copper City	0	0	0	0	0	0	0	0	0	0	0	0
Duncan Twp.	18	0	0	0	0	0	0	0	1	0	0	0
Elm River Twp.	14	0	0	5	0	0	0	0	3	0	0	1
Franklin Twp.	84	0	0	13	3	0	0	1	22	0	0	3
Hancock	120	1	1	17	5	1	1	1	13	1	1	3
Hancock Twp.	17	0	0	0	0	0	0	0	4	0	0	0
Houghton	249	0	0	55	4	0	0	1	26	0	0	2
Laird Twp.	38	0	0	2	0	0	0	0	4	0	0	2
Lake Linden	20	0	0	5	0	0	0	0	0	0	0	0
Laurium	16	0	0	2	1	0	0	0	1	0	0	0
Osceola Twp.	70	0	0	14	5	0	0	4	17	0	0	1
Portage Twp.	117	1	1	20	5	0	0	2	30	0	0	4
Quincy Twp.	10	0	0	0	0	0	0	0	1	0	0	0
Schoolcraft Twp.	20	0	0	6	2	0	0	0	6	0	0	4
South Range	7	0	0	1	0	0	0	0	4	0	0	1
Stanton Twp.	29	1	1	8	5	1	1	0	12	1	1	3
Torch Lake Twp.	31	0	0	4	2	0	0	1	10	0	0	2
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Houghton County TOTAL</b>	<b>1,042</b>	<b>3</b>	<b>3</b>	<b>185</b>	<b>46</b>	<b>2</b>	<b>2</b>	<b>13</b>	<b>182</b>	<b>2</b>	<b>2</b>	<b>32</b>

## Restraint use among reported vehicle occupants by municipality

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Adams Twp.	59	52	88.1	0	0	0.0	1	0	0.0	4	2	50.0	4	3	75.0	49	47	95.9
Calumet	24	16	66.7	0	0	0.0	0	0	0.0	0	0	0.0	2	1	50.0	17	15	88.2
Calumet Twp.	104	93	89.4	0	0	0.0	0	0	0.0	3	3	100.0	7	5	71.4	89	85	95.5
Chassell Twp.	78	76	97.4	0	0	0.0	4	3	75.0	1	1	100.0	3	3	100.0	70	69	98.6
Copper City	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Duncan Twp.	19	19	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	19	19	100.0
Elm River Twp.	19	19	100.0	0	0	0.0	2	2	100.0	0	0	0.0	3	3	100.0	14	14	100.0
Franklin Twp.	108	103	95.4	0	0	0.0	2	0	0.0	6	6	100.0	5	4	80.0	95	93	97.9
Hancock	213	174	81.7	1	1	100.0	2	2	100.0	1	1	100.0	12	12	100.0	160	155	96.9
Hancock Twp.	17	17	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	17	17	100.0
Houghton	492	444	90.2	0	0	0.0	2	2	100.0	13	10	76.9	34	34	100.0	411	398	96.8
Laird Twp.	39	38	97.4	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0	37	36	97.3
Lake Linden	41	30	73.2	0	0	0.0	0	0	0.0	2	2	100.0	1	1	100.0	32	27	84.4
Laurium	29	16	55.2	0	0	0.0	1	1	100.0	0	0	0.0	1	1	100.0	14	14	100.0
Osceola Twp.	98	87	88.8	0	0	0.0	2	2	100.0	6	4	66.7	6	6	100.0	79	74	93.7
Portage Twp.	157	147	93.6	1	1	100.0	1	0	0.0	2	2	100.0	17	16	94.1	133	128	96.2
Quincy Twp.	13	13	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	12	12	100.0
Schoolcraft Twp.	26	25	96.2	0	0	0.0	1	0	0.0	1	1	100.0	4	4	100.0	20	20	100.0
South Range	11	9	81.8	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0	9	9	100.0
Stanton Twp.	34	29	85.3	1	0	0.0	2	1	50.0	0	0	0.0	6	5	83.3	25	23	92.0
Torch Lake Twp.	34	30	88.2	0	0	0.0	0	0	0.0	1	0	0.0	3	2	66.7	29	28	96.6
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Houghton County TOTAL</b>	<b>1,615</b>	<b>1,437</b>	<b>89.0</b>	<b>3</b>	<b>2</b>	<b>66.7</b>	<b>20</b>	<b>13</b>	<b>65.0</b>	<b>40</b>	<b>32</b>	<b>80.0</b>	<b>111</b>	<b>102</b>	<b>91.9</b>	<b>1,331</b>	<b>1,283</b>	<b>96.4</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	150	0	17	133	0	22
February	114	0	14	100	0	18
March	102	0	11	91	0	14
April	91	0	9	82	0	10
May	92	0	7	85	0	7
June	130	1	12	117	2	14
July	127	1	17	109	1	26
August	105	0	18	87	0	25
September	137	0	13	124	0	21
October	189	1	13	175	1	16
November	249	0	15	234	0	18
December	142	1	12	129	1	22
<b>TOTAL</b>	<b>1,628</b>	<b>4</b>	<b>158</b>	<b>1,466</b>	<b>5</b>	<b>213</b>

In Huron County in 2011 there were:

1,628 crashes

Involving:

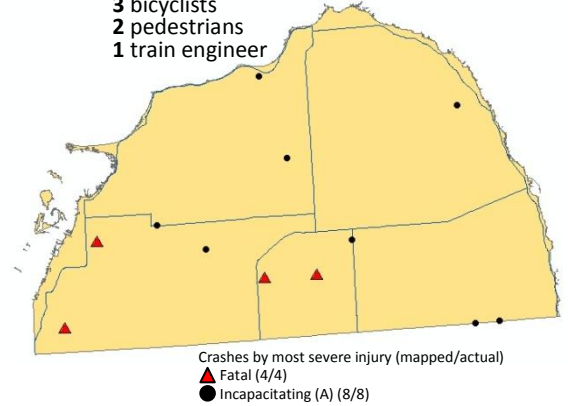
2,087 people

2,081 motor vehicle drivers and passengers

3 bicyclists

2 pedestrians

1 train engineer



## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	5,944	259	5	8.4	193.1
16 - 20	1,863	1,781	234	1256.0	1313.9
21 - 64	18,113	17,752	1,377	760.2	775.7
65 +	7,198	6,629	204	283.4	307.7
Other/Unknown	--	--	54	--	--
<b>TOTAL</b>	<b>33,118</b>	<b>26,421</b>	<b>1,874</b>	<b>565.9</b>	<b>709.3</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	1,221	65.2	5	62.5	135	1,081
Van, motorhome	99	5.3	1	12.5	7	91
Pickup truck	454	24.2	2	25.0	48	404
Small truck under 10,000 lbs. GVWR	24	1.3	0	0.0	7	17
Cycle	16	0.9	0	0.0	11	5
Moped	1	0.1	0	0.0	1	0
Go Cart	0	0.0	0	0.0	0	0
Snowmobile	5	0.3	0	0.0	3	2
Off-Road Vehicle (ORV) / All-Terrain Vehicle (ATV)	2	0.1	0	0.0	2	0
Other	9	0.5	0	0.0	0	9
Truck/bus over 10,000 lbs.	34	1.8	0	0.0	9	25
Unknown	9	0.5	0	0.0	1	8
<b>TOTAL</b>	<b>1,874</b>	<b>100.0</b>	<b>8</b>	<b>100.0</b>	<b>224</b>	<b>1,642</b>

## Huron County Experience

Huron County experienced the highest number of fatal crashes (1) June, July, October, and December, and the highest number of persons killed (2) in June.

Huron County driver statistics indicate 6.7 percent of licensed drivers were age 16-20, and 12.5 percent of drivers in that age group were involved in crashes.



Crash Type								
	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	1,378	84.6	0	0.0	6	30	56	1,286
Head On	9	0.6	1	25.0	0	1	4	3
Head On - Left Turn	4	0.2	0	0.0	0	0	2	2
Angle	90	5.5	3	75.0	2	6	27	52
Rear End	57	3.5	0	0.0	0	3	9	45
Rear End - Left Turn	7	0.4	0	0.0	0	1	0	6
Rear End - Right Turn	3	0.2	0	0.0	0	0	0	3
Sideswipe - Same Direction	30	1.8	0	0.0	0	0	1	29
Sideswipe - Opposite Direct	14	0.9	0	0.0	0	1	4	9
Other/Unknown	36	2.2	0	0.0	0	1	4	31
<b>Total</b>	<b>1,628</b>	<b>100.0</b>	<b>4</b>	<b>100.0</b>	<b>8</b>	<b>43</b>	<b>107</b>	<b>1,466</b>

Relationship to Roadway								
Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	1,424	87.5	4	100.0	5	23	68	1,324
Median	0	0.0	0	0.0	0	0	0	0
Shoulder	53	3.3	0	0.0	1	3	6	43
Outside of Shoulder/Curb	115	7.1	0	0.0	1	15	24	75
Gore	6	0.4	0	0.0	0	1	1	4
Other/Unknown	30	1.8	0	0.0	1	1	8	20
<b>Total</b>	<b>1,628</b>	<b>100.0</b>	<b>4</b>	<b>100.0</b>	<b>8</b>	<b>43</b>	<b>107</b>	<b>1,466</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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	1	0	0	0	0	1
16 - 20	3	3	2	2	0	0	2	0	0
21 - 64	36	39	27	34	0	6	8	12	8
65 +	3	6	2	2	0	1	1	0	0
Other/Unknown	2	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>45</b>	<b>48</b>	<b>31</b>	<b>39</b>	<b>0</b>	<b>7</b>	<b>11</b>	<b>12</b>	<b>9</b>

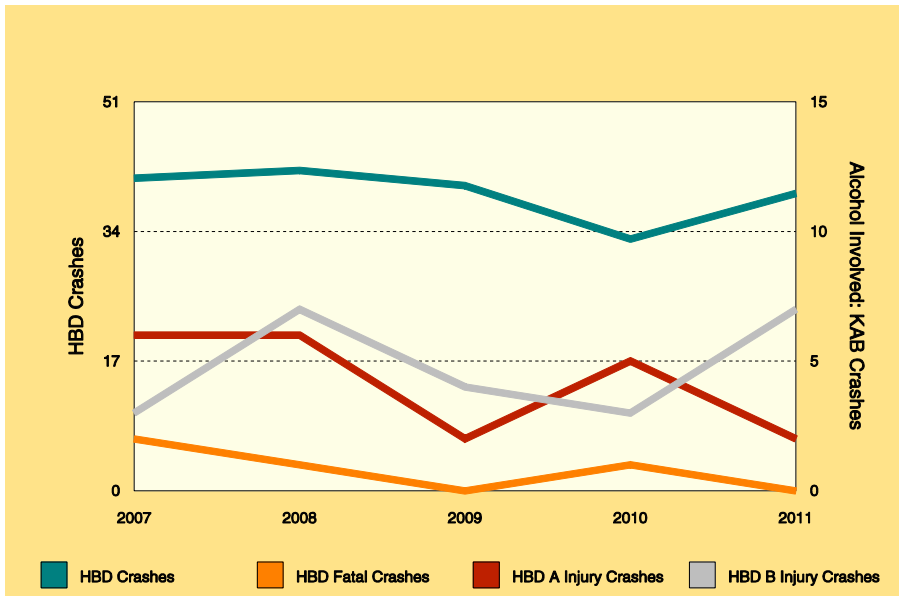
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

HURON	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	1,804	41	2.3	3	2	66.7	19	6	31.6	47	3	6.4
2008	1,795	42	2.3	2	1	50.0	20	6	30.0	62	7	11.3
2009	1,863	40	2.2	2	0	0.0	20	2	10.0	60	4	6.7
2010	1,712	33	1.9	4	1	25.0	22	5	22.7	53	3	5.7
2011	1,628*	39	2.4	4	0	0.0	8*	2	25.0	43*	7	16.3

\* Lowest number reported in the 5-year period.

**Restraint use among reported vehicle occupants by vehicle type**

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	1,266	1,213	95.8	4	4	100.0	8	3	37.5	31	30	96.8	91	84	92.3	1,107	1,091	98.6
Van, motorhome	104	96	92.3	1	1	100.0	3	1	33.3	4	2	50.0	4	4	100.0	91	88	96.7
Pickup truck	466	446	95.7	0	0	0.0	2	2	100.0	11	10	90.9	27	26	96.3	417	408	97.8
Small truck under 10,000 lbs. GVWR	26	26	100.0	0	0	0.0	0	0	0.0	0	0	0.0	5	5	100.0	21	21	100.0
Cycle	19	16	84.2	0	0	0.0	0	0	0.0	5	4	80.0	8	8	100.0	4	4	100.0
Moped	1	1	100.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	0	0	0.0
Go 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	6	4	66.7	0	0	0.0	0	0	0.0	1	0	0.0	3	2	66.7	2	2	100.0
Off-Road Vehicle (ORV) /All-Terrain Vehicle (ATV)	3	0	0.0	0	0	0.0	1	0	0.0	1	0	0.0	0	0	0.0	1	0	0.0
Other	9	3	33.3	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	8	3	37.5
Truck/bus over 10,000 lbs.	34	32	94.1	0	0	0.0	0	0	0.0	2	2	100.0	2	1	50.0	30	29	96.7
Uncoded & errors	9	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>TOTAL</b>	<b>1,943</b>	<b>1,837</b>	<b>94.5</b>	<b>5</b>	<b>5</b>	<b>100.0</b>	<b>14</b>	<b>6</b>	<b>42.9</b>	<b>55</b>	<b>48</b>	<b>87.3</b>	<b>141</b>	<b>131</b>	<b>92.9</b>	<b>1,681</b>	<b>1,646</b>	<b>97.9</b>

**Restraint use among reported vehicle occupants by age**

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	21	13	61.9	0	0	0.0	4	0	0.0	2	1	50.0	13	11	84.6	2	1	50.0
16 - 20	254	246	96.9	0	0	0.0	3	1	33.3	16	16	100.0	30	27	90.0	205	202	98.5
21 - 64	1,406	1,372	97.6	2	2	100.0	7	5	71.4	29	24	82.8	89	84	94.4	1,279	1,257	98.3
65 +	208	205	98.6	3	3	100.0	0	0	0.0	8	7	87.5	9	9	100.0	188	186	98.9
Other/Unknown	54	1	1.9	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	7	0	0.0
<b>TOTAL</b>	<b>1,943</b>	<b>1,837</b>	<b>94.5</b>	<b>5</b>	<b>5</b>	<b>100.0</b>	<b>14</b>	<b>6</b>	<b>42.9</b>	<b>55</b>	<b>48</b>	<b>87.3</b>	<b>141</b>	<b>131</b>	<b>92.9</b>	<b>1,681</b>	<b>1,646</b>	<b>97.9</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Bad Axe	2	0	0	2	0	0	0	0	2
Bingham Twp.	0	1	0	0	0	0	0	0	0
Bloomfield Twp.	2	2	2	2	0	0	2	0	0
Brookfield Twp.	0	0	0	0	0	0	0	0	0
Caseville	2	2	1	1	0	0	0	1	0
Caseville Twp.	2	3	2	2	0	1	1	0	0
Chandler Twp.	1	0	0	1	0	0	0	0	1
Colfax Twp.	0	2	0	0	0	0	0	0	0
Dwight Twp.	0	0	0	0	0	0	0	0	0
Elkton	0	0	0	0	0	0	0	0	0
Fair Haven Twp.	1	2	1	1	0	0	0	1	0
Gore Twp.	0	0	0	0	0	0	0	0	0
Grant Twp.	1	0	0	1	0	0	0	0	1
Harbor Beach	2	1	1	1	0	0	1	0	0
Hume Twp.	3	3	2	3	0	0	1	1	1
Huron Twp.	0	0	0	0	0	0	0	0	0
Kinde	1	1	1	1	0	1	0	0	0
Lake Twp.	0	0	0	0	0	0	0	0	0
Lincoln Twp.	2	1	1	1	0	0	0	0	1
McKinley Twp.	0	0	0	0	0	0	0	0	0
Meade Twp.	2	2	2	2	0	0	1	1	0
Oliver Twp.	1	1	1	1	0	1	0	0	0
Owendale	0	0	0	0	0	0	0	0	0
Paris Twp.	0	0	0	0	0	0	0	0	0
Pigeon	0	1	0	0	0	0	0	0	0
Pte. Aux Barques Twp.	0	0	0	0	0	0	0	0	0
Port Austin	0	0	0	0	0	0	0	0	0
Port Austin Twp.	2	2	2	2	0	1	1	0	0
Port Hope	0	0	0	0	0	0	0	0	0
Rubicon Twp.	0	0	0	0	0	0	0	0	0
Sand Beach Twp.	1	1	1	1	0	1	0	0	0
Sebewaing	0	1	0	0	0	0	0	0	0
Sebewaing Twp.	4	5	3	3	0	0	2	1	0
Sheridan Twp.	3	6	3	3	0	0	2	1	0
Sherman Twp.	3	3	2	3	0	1	0	1	1
Sigel Twp.	2	1	1	1	0	0	0	1	0
Ubly	2	2	2	2	0	0	0	2	0
Verona Twp.	5	3	2	4	0	0	0	2	2
Windsor Twp.	1	2	1	1	0	1	0	0	0
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Huron County TOTAL</b>	<b>45</b>	<b>48</b>	<b>31</b>	<b>39</b>	<b>0</b>	<b>7</b>	<b>11</b>	<b>12</b>	<b>9</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Bad Axe	108	0	0	24	2	0	0	0	4	0	0	1
Bingham Twp.	68	0	0	6	0	0	0	0	7	0	0	3
Bloomfield Twp.	21	0	0	3	2	0	0	0	2	0	0	0
Brookfield Twp.	14	0	0	2	0	0	0	0	2	0	0	0
Caseville	18	0	0	5	1	0	0	0	1	0	0	0
Caseville Twp.	58	0	0	4	2	0	0	2	5	0	0	1
Chandler Twp.	17	0	0	6	1	0	0	0	2	0	0	1
Colfax Twp.	75	0	0	12	0	0	0	0	11	0	0	5
Dwight Twp.	29	0	0	0	0	0	0	0	1	0	0	0
Elkton	10	0	0	1	0	0	0	0	0	0	0	0
Fair Haven Twp.	52	0	0	1	1	0	0	0	2	0	0	0
Gore Twp.	19	0	0	1	0	0	0	0	0	0	0	0
Grant Twp.	77	0	0	9	1	0	0	1	3	0	0	1
Harbor Beach	29	0	0	5	1	0	0	1	0	0	0	0
Hume Twp.	33	0	0	7	3	0	0	4	5	0	0	2
Huron Twp.	46	0	0	2	0	0	0	0	1	0	0	1
Kinde	5	0	0	0	1	0	0	0	0	0	0	0
Lake Twp.	32	0	0	1	0	0	0	0	3	0	0	0
Lincoln Twp.	23	0	0	7	1	0	0	2	3	0	0	2
McKinley Twp.	37	0	0	6	0	0	0	0	2	0	0	1
Meade Twp.	79	0	0	3	2	0	0	1	3	0	0	0
Oliver Twp.	47	0	0	8	1	0	0	1	8	0	0	1
Owendale	1	0	0	2	0	0	0	0	0	0	0	0
Paris Twp.	49	0	0	4	0	0	0	0	2	0	0	0
Pigeon	16	0	0	1	0	0	0	0	1	0	0	0
Pte. Aux Barques Twp.	0	0	0	0	0	0	0	0	0	0	0	0
Port Austin	6	0	0	0	0	0	0	0	1	0	0	0
Port Austin Twp.	48	0	0	5	2	0	0	1	2	0	0	1
Port Hope	13	0	0	0	0	0	0	0	0	0	0	0
Rubicon Twp.	45	0	0	1	0	0	0	0	1	0	0	1
Sand Beach Twp.	63	0	0	5	1	0	0	1	4	0	0	1
Sebewaing	24	0	0	8	0	0	0	0	4	0	0	0
Sebewaing Twp.	42	1	2	11	3	0	0	1	11	0	0	6
Sheridan Twp.	101	2	2	16	3	0	0	2	7	0	0	2
Sherman Twp.	60	0	0	16	3	0	0	1	5	0	0	0
Sigel Twp.	49	0	0	4	1	0	0	0	3	0	0	2
Uby	10	0	0	2	2	0	0	2	0	0	0	0
Verona Twp.	158	0	0	15	4	0	0	4	11	0	0	6
Windsor Twp.	46	1	1	10	1	0	0	0	10	0	0	3
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Huron County TOTAL</b>	<b>1,628</b>	<b>4</b>	<b>5</b>	<b>213</b>	<b>39</b>	<b>0</b>	<b>0</b>	<b>24</b>	<b>127</b>	<b>0</b>	<b>0</b>	<b>41</b>

Restraint use among reported vehicle occupants by municipality

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Bad Axe	192	176	91.7	0	0	0.0	0	0	0.0	4	4	100.0	17	16	94.1	160	155	96.9
Bingham Twp.	74	74	100.0	0	0	0.0	0	0	0.0	0	0	0.0	6	6	100.0	68	68	100.0
Bloomfield Twp.	21	20	95.2	0	0	0.0	0	0	0.0	1	1	100.0	2	1	50.0	18	18	100.0
Brookfield Twp.	17	17	100.0	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0	15	15	100.0
Caseville	33	28	84.8	0	0	0.0	0	0	0.0	1	1	100.0	4	4	100.0	23	23	100.0
Caseville Twp.	62	59	95.2	0	0	0.0	0	0	0.0	1	1	100.0	3	3	100.0	56	55	98.2
Chandler Twp.	20	18	90.0	0	0	0.0	0	0	0.0	3	2	66.7	3	2	66.7	14	14	100.0
Colfax Twp.	91	87	95.6	0	0	0.0	0	0	0.0	0	0	0.0	12	11	91.7	76	76	100.0
Dwight Twp.	29	28	96.6	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	29	28	96.6
Elkton	19	12	63.2	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	14	11	78.6
Fair Haven Twp.	54	52	96.3	0	0	0.0	0	0	0.0	1	1	100.0	0	0	0.0	53	51	96.2
Gore Twp.	19	19	100.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	18	18	100.0
Grant Twp.	85	84	98.8	0	0	0.0	0	0	0.0	4	4	100.0	5	4	80.0	76	76	100.0
Harbor Beach	48	34	70.8	0	0	0.0	0	0	0.0	2	1	50.0	3	3	100.0	34	30	88.2
Hume Twp.	39	36	92.3	0	0	0.0	2	0	0.0	2	2	100.0	3	3	100.0	31	31	100.0
Huron Twp.	46	46	100.0	0	0	0.0	0	0	0.0	1	1	100.0	1	1	100.0	44	44	100.0
Kinde	6	5	83.3	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	5	5	100.0
Lake Twp.	34	31	91.2	0	0	0.0	0	0	0.0	1	1	100.0	0	0	0.0	31	30	96.8
Lincoln Twp.	28	28	100.0	0	0	0.0	0	0	0.0	3	3	100.0	4	4	100.0	21	21	100.0
McKinley Twp.	43	40	93.0	0	0	0.0	0	0	0.0	2	2	100.0	4	3	75.0	37	35	94.6
Meade Twp.	80	76	95.0	0	0	0.0	1	0	0.0	1	0	0.0	1	1	100.0	77	75	97.4
Oliver Twp.	53	51	96.2	0	0	0.0	1	1	100.0	5	5	100.0	2	2	100.0	45	43	95.6
Owendale	4	4	100.0	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0	2	2	100.0
Paris Twp.	52	50	96.2	0	0	0.0	0	0	0.0	1	1	100.0	3	3	100.0	46	46	100.0
Pigeon	27	25	92.6	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	26	24	92.3
Pte. Aux Barques Twp.	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Port Austin	9	7	77.8	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	9	7	77.8
Port Austin Twp.	51	51	100.0	0	0	0.0	0	0	0.0	1	1	100.0	4	4	100.0	46	46	100.0
Port Hope	16	15	93.8	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	16	15	93.8
Rubicon Twp.	45	45	100.0	0	0	0.0	1	1	100.0	0	0	0.0	0	0	0.0	44	44	100.0
Sand Beach Twp.	67	65	97.0	0	0	0.0	0	0	0.0	1	0	0.0	4	4	100.0	62	61	98.4
Sebewaing	46	41	89.1	0	0	0.0	0	0	0.0	1	1	100.0	7	7	100.0	34	33	97.1
Sebewaing Twp.	54	53	98.1	2	2	100.0	0	0	0.0	1	1	100.0	10	9	90.0	41	41	100.0
Sheridan Twp.	115	113	98.3	2	2	100.0	1	0	0.0	8	8	100.0	7	7	100.0	97	96	99.0
Sherman Twp.	68	61	89.7	0	0	0.0	3	0	0.0	6	4	66.7	7	6	85.7	52	51	98.1
Sigel Twp.	55	54	98.2	0	0	0.0	0	0	0.0	0	0	0.0	4	4	100.0	50	50	100.0
Ubley	13	10	76.9	0	0	0.0	0	0	0.0	1	0	0.0	1	0	0.0	10	10	100.0
Verona Twp.	172	167	97.1	0	0	0.0	1	0	0.0	2	2	100.0	12	11	91.7	156	154	98.7
Windsor Twp.	56	55	98.2	1	1	100.0	4	4	100.0	1	1	100.0	5	5	100.0	45	44	97.8
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Huron County TOTAL</b>	<b>1,943</b>	<b>1,837</b>	<b>94.5</b>	<b>5</b>	<b>5</b>	<b>100.0</b>	<b>14</b>	<b>6</b>	<b>42.9</b>	<b>55</b>	<b>48</b>	<b>87.3</b>	<b>141</b>	<b>131</b>	<b>92.9</b>	<b>1,681</b>	<b>1,646</b>	<b>97.9</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	865	4	150	711	6	194
February	823	2	118	703	2	149
March	622	1	125	496	1	158
April	557	2	116	439	2	149
May	573	1	112	460	1	132
June	692	2	151	539	2	196
July	574	3	136	435	3	169
August	574	2	132	440	2	173
September	684	0	150	534	0	205
October	788	1	131	656	1	171
November	906	2	128	776	2	161
December	769	4	132	633	4	177
<b>TOTAL</b>	<b>8,427</b>	<b>24</b>	<b>1,581</b>	<b>6,822</b>	<b>26</b>	<b>2,034</b>

In Ingham County in 2011 there were:  
**8,427** crashes

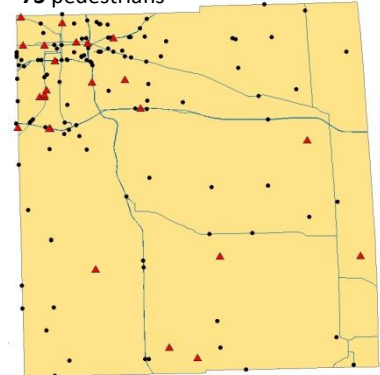
Involving:

**18,300** people

**18,117** motor vehicle drivers and passengers

**110** bicyclists

**73** pedestrians



Crashes by most severe injury (mapped/actual)  
 ▲ Fatal (24/24)  
 ● Incapacitating (A) (110/110)

## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	51,780	1,079	24	4.6	222.4
16 - 20	33,205	15,202	1,815	546.6	1193.9
21 - 64	166,497	145,184	10,629	638.4	732.1
65 +	29,413	25,994	1,063	361.4	408.9
Other/Unknown	--	--	1,246	--	--
<b>TOTAL</b>	<b>280,895</b>	<b>187,459</b>	<b>14,777</b>	<b>526.1</b>	<b>788.3</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	11,393	77.1	25	75.8	2,155	9,213
Van, motorhome	802	5.4	1	3.0	177	624
Pickup truck	1,454	9.8	3	9.1	254	1,197
Small truck under 10,000 lbs. GVWR	471	3.2	0	0.0	87	384
Cycle	97	0.7	2	6.1	76	19
Moped	23	0.2	1	3.0	14	8
Go Cart	1	0.0	0	0.0	0	1
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	46	0.3	0	0.0	9	37
Truck/bus over 10,000 lbs.	281	1.9	1	3.0	46	234
Unknown	207	1.4	0	0.0	12	195
<b>TOTAL</b>	<b>14,777</b>	<b>100.0</b>	<b>33</b>	<b>100.0</b>	<b>2,831</b>	<b>11,913</b>

## Ingham County Experience

Ingham County experienced the highest number of fatal crashes (4) in January, and December, and the highest number of persons killed (6) in January.

Ingham County driver statistics indicate 8.1 percent of licensed drivers were age 16-20, and 12.3 percent of drivers in that age group were involved in crashes.

In Ingham County, motorcycles and mopeds accounted for only 0.9 percent of the total vehicles in crashes, but were involved in 9.1 percent of the total fatal crashes.



Crash Type								
	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	2,469	29.3	16	66.7	49	154	259	1,991
Head On	62	0.7	0	0.0	5	9	10	38
Head On - Left Turn	159	1.9	1	4.2	2	15	41	100
Angle	1,740	20.6	6	25.0	29	87	306	1,312
Rear End	2,198	26.1	0	0.0	10	37	380	1,771
Rear End - Left Turn	82	1.0	0	0.0	1	3	12	66
Rear End - Right Turn	74	0.9	0	0.0	0	0	5	69
Sideswipe - Same Direction	1,019	12.1	1	4.2	3	7	66	942
Sideswipe - Opposite Direct	110	1.3	0	0.0	0	3	11	96
Other/Unknown	514	6.1	0	0.0	11	22	44	437
<b>Total</b>	<b>8,427</b>	<b>100.0</b>	<b>24</b>	<b>100.0</b>	<b>110</b>	<b>337</b>	<b>1,134</b>	<b>6,822</b>

Relationship to Roadway								
Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	7,324	86.9	13	54.2	82	247	980	6,002
Median	58	0.7	3	12.5	2	4	8	41
Shoulder	307	3.6	2	8.3	7	23	33	242
Outside of Shoulder/Curb	525	6.2	5	20.8	18	46	87	369
Gore	35	0.4	0	0.0	0	5	4	26
Other/Unknown	178	2.1	1	4.2	1	12	22	142
<b>Total</b>	<b>8,427</b>	<b>100.0</b>	<b>24</b>	<b>100.0</b>	<b>110</b>	<b>337</b>	<b>1,134</b>	<b>6,822</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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	31	34	20	25	0	1	7	2	15
21 - 64	289	219	159	191	0	12	31	36	112
65 +	11	9	4	6	0	2	0	0	4
Other/Unknown	22	3	0	2	0	0	0	0	2
<b>TOTAL</b>	<b>354</b>	<b>265</b>	<b>183</b>	<b>224</b>	<b>0</b>	<b>15</b>	<b>38</b>	<b>38</b>	<b>133</b>

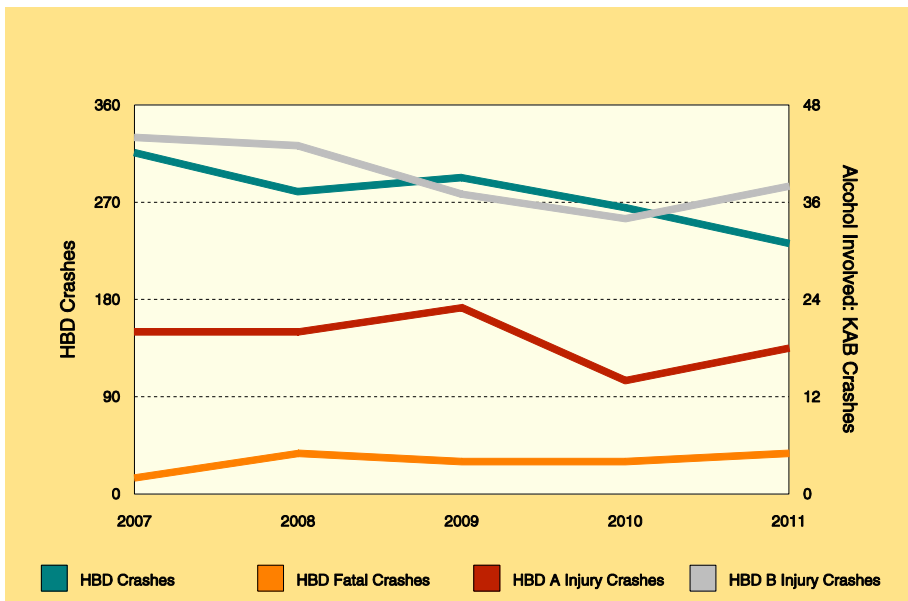
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

INGHAM	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	10,159	316	3.1	16	2	12.5	154	20	13.0	379	44	11.6
2008	9,778	280	2.9	19	5	26.3	147	20	13.6	375	43	11.5
2009	8,493	293	3.5	12	4	33.3	120	23	19.2	319	37	11.6
2010	8,395	265	3.2	12	4	33.3	114	14	12.3	327	34	10.4
2011	8,427	232*	2.8	24**	5	20.8	110*	18	16.4	337	38	11.3

\* Lowest number reported in the 5-year period. \*\* Highest number reported in the 5-year period.

**Restraint use among reported vehicle occupants by vehicle type**

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	11,773	10,657	90.5	16	7	43.8	91	78	85.7	249	216	86.7	1,120	1,077	96.2	9,595	9,264	96.6
Van, motorhome	849	766	90.2	1	1	100.0	3	3	100.0	12	12	100.0	107	104	97.2	670	646	96.4
Pickup truck	1,478	1,309	88.6	3	2	66.7	9	7	77.8	33	25	75.8	88	87	98.9	1,243	1,185	95.3
Small truck under 10,000 lbs. GVWR	483	422	87.4	0	0	0.0	3	2	66.7	10	6	60.0	40	38	95.0	400	375	93.8
Cycle	102	92	90.2	2	2	100.0	10	10	100.0	42	40	95.2	27	24	88.9	17	16	94.1
Moped	24	1	4.2	1	0	0.0	3	0	0.0	8	1	12.5	4	0	0.0	7	0	0.0
Go Cart	1	1	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0
Snowmobile	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Off-Road Vehicle (ORV) /All-Terrain Vehicle (ATV)	2	0	0.0	0	0	0.0	1	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0
Other	49	32	65.3	0	0	0.0	0	0	0.0	1	0	0.0	6	2	33.3	35	30	85.7
Truck/bus over 10,000 lbs.	289	268	92.7	0	0	0.0	2	1	50.0	1	1	100.0	12	5	41.7	271	261	96.3
Uncoded & errors	207	4	1.9	0	0	0.0	0	0	0.0	1	1	100.0	0	0	0.0	10	3	30.0
<b>TOTAL</b>	<b>15,257</b>	<b>13,552</b>	<b>88.8</b>	<b>23</b>	<b>12</b>	<b>52.2</b>	<b>122</b>	<b>101</b>	<b>82.8</b>	<b>357</b>	<b>302</b>	<b>84.6</b>	<b>1,404</b>	<b>1,337</b>	<b>95.2</b>	<b>12,250</b>	<b>11,781</b>	<b>96.2</b>

**Restraint use among reported vehicle occupants by age**

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	148	138	93.2	1	0	0.0	7	7	100.0	31	28	90.3	86	83	96.5	23	20	87.0
16 - 20	1,896	1,817	95.8	6	1	16.7	24	13	54.2	54	41	75.9	195	180	92.3	1,615	1,580	97.8
21 - 64	10,857	10,509	96.8	11	7	63.6	75	67	89.3	240	204	85.0	996	948	95.2	9,510	9,270	97.5
65 +	1,107	1,077	97.3	5	4	80.0	15	14	93.3	30	28	93.3	126	126	100.0	925	903	97.6
Other/Unknown	1,249	11	0.9	0	0	0.0	1	0	0.0	2	1	50.0	1	0	0.0	177	8	4.5
<b>TOTAL</b>	<b>15,257</b>	<b>13,552</b>	<b>88.8</b>	<b>23</b>	<b>12</b>	<b>52.2</b>	<b>122</b>	<b>101</b>	<b>82.8</b>	<b>357</b>	<b>302</b>	<b>84.6</b>	<b>1,404</b>	<b>1,337</b>	<b>95.2</b>	<b>12,250</b>	<b>11,781</b>	<b>96.2</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Alaiedon Twp.	8	7	6	6	0	0	1	4	1
Aurelius Twp.	4	4	3	4	0	0	2	0	2
Bunker Hill Twp.	2	3	2	2	0	0	0	1	1
Dansville	0	1	0	0	0	0	0	0	0
Delhi Twp.	15	13	6	10	0	3	0	1	6
East Lansing	41	23	21	25	0	0	5	9	11
Ingham Twp.	2	4	1	1	0	0	1	0	0
Lansing	175	121	87	106	0	11	26	18	51
Lansing Twp.	36	29	18	20	0	1	0	0	19
Leroy Twp.	6	5	3	3	0	0	0	2	1
Leslie	1	1	1	1	0	0	0	0	1
Leslie Twp.	3	4	2	3	0	0	0	1	2
Locke Twp.	1	1	1	1	0	0	0	0	1
Mason	7	7	4	5	0	0	0	0	5
Meridian Twp.	31	16	13	18	0	0	1	1	16
Onondaga Twp.	5	5	3	4	0	0	0	0	4
Stockbridge	0	0	0	0	0	0	0	0	0
Stockbridge Twp.	2	3	2	2	0	0	0	1	1
Vevay Twp.	2	3	1	2	0	0	1	0	1
Webberville	0	0	0	0	0	0	0	0	0
Wheatfield Twp.	4	6	2	2	0	0	0	0	2
White Oak Twp.	2	2	2	2	0	0	1	0	1
Williamston	1	1	1	1	0	0	0	0	1
Williamston Twp.	6	6	4	6	0	0	0	0	6
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Ingham County TOTAL</b>	<b>354</b>	<b>265</b>	<b>183</b>	<b>224</b>	<b>0</b>	<b>15</b>	<b>38</b>	<b>38</b>	<b>133</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Alaiedon Twp.	253	1	1	55	6	0	0	6	34	0	0	7
Aurelius Twp.	97	1	1	23	4	1	1	3	12	1	1	4
Bunker Hill Twp.	48	0	0	18	2	0	0	1	5	0	0	4
Dansville	3	0	0	1	0	0	0	0	1	0	0	1
Delhi Twp.	483	1	1	120	10	0	0	6	69	0	0	18
East Lansing	1,115	1	1	254	29	0	0	14	66	0	0	20
Ingham Twp.	61	1	1	18	1	0	0	0	13	1	1	4
Lansing	3,741	12	12	968	110	1	1	70	266	1	1	51
Lansing Twp.	666	2	2	151	20	0	0	12	81	0	0	14
Leroy Twp.	110	1	1	31	3	0	0	6	22	0	0	9
Leslie	11	0	0	4	1	0	0	0	1	0	0	0
Leslie Twp.	99	2	2	19	3	1	1	2	20	0	0	4
Locke Twp.	45	0	0	6	1	0	0	1	4	0	0	0
Mason	141	0	0	28	5	0	0	1	13	0	0	2
Meridian Twp.	863	1	3	202	18	1	3	12	86	0	0	11
Onondaga Twp.	73	0	0	25	4	0	0	5	8	0	0	1
Stockbridge	22	0	0	1	0	0	0	0	1	0	0	0
Stockbridge Twp.	65	0	0	19	2	0	0	3	10	0	0	7
Vevay Twp.	152	0	0	36	2	0	0	1	27	0	0	9
Webberville	14	0	0	0	0	0	0	0	0	0	0	0
Wheatfield Twp.	118	0	0	20	2	0	0	2	18	0	0	5
White Oak Twp.	67	1	1	6	2	1	1	1	6	0	0	3
Williamston	36	0	0	8	1	0	0	0	1	0	0	0
Williamston Twp.	144	0	0	21	6	0	0	4	20	0	0	6
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Ingham County TOTAL</b>	<b>8,427</b>	<b>24</b>	<b>26</b>	<b>2,034</b>	<b>232</b>	<b>5</b>	<b>7</b>	<b>150</b>	<b>784</b>	<b>3</b>	<b>3</b>	<b>180</b>

Restraint use among reported vehicle occupants by municipality

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Alaiedon Twp.	379	357	94.2	1	0	0.0	5	4	80.0	15	10	66.7	35	35	100.0	319	307	96.2
Aurelius Twp.	122	116	95.1	1	0	0.0	2	1	50.0	7	7	100.0	13	13	100.0	98	95	96.9
Bunker Hill Twp.	58	55	94.8	0	0	0.0	3	3	100.0	6	6	100.0	9	8	88.9	40	38	95.0
Dansville	3	3	100.0	0	0	0.0	1	1	100.0	0	0	0.0	0	0	0.0	2	2	100.0
Delhi Twp.	777	742	95.5	1	1	100.0	2	2	100.0	32	26	81.3	81	79	97.5	655	634	96.8
East Lansing	2,143	2,038	95.1	1	1	100.0	11	10	90.9	46	40	87.0	138	131	94.9	1,939	1,856	95.7
Ingham Twp.	78	75	96.2	1	1	100.0	4	4	100.0	6	5	83.3	8	8	100.0	59	57	96.6
Lansing	7,354	6,119	83.2	9	5	55.6	36	30	83.3	138	116	84.1	725	680	93.8	5,536	5,285	95.5
Lansing Twp.	1,273	1,178	92.5	2	1	50.0	13	12	92.3	14	14	100.0	121	118	97.5	1,059	1,030	97.3
Leroy Twp.	163	153	93.9	1	1	100.0	3	3	100.0	10	7	70.0	18	18	100.0	125	123	98.4
Leslie	22	12	54.5	0	0	0.0	0	0	0.0	0	0	0.0	4	4	100.0	15	7	46.7
Leslie Twp.	128	123	96.1	2	1	50.0	3	1	33.3	8	8	100.0	8	8	100.0	107	105	98.1
Locke Twp.	56	52	92.9	0	0	0.0	2	2	100.0	0	0	0.0	3	3	100.0	50	47	94.0
Mason	245	224	91.4	0	0	0.0	0	0	0.0	6	4	66.7	22	22	100.0	204	196	96.1
Meridian Twp.	1,546	1,458	94.3	3	0	0.0	15	15	100.0	23	22	95.7	153	145	94.8	1,291	1,270	98.4
Onondaga Twp.	89	79	88.8	0	0	0.0	3	1	33.3	10	8	80.0	11	11	100.0	63	59	93.7
Stockbridge	39	35	89.7	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	36	34	94.4
Stockbridge Twp.	77	68	88.3	0	0	0.0	3	1	33.3	8	6	75.0	8	7	87.5	58	54	93.1
Vevay Twp.	213	206	96.7	0	0	0.0	3	3	100.0	15	13	86.7	18	18	100.0	176	172	97.7
Webberville	21	20	95.2	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	21	20	95.2
Wheatfield Twp.	152	146	96.1	0	0	0.0	4	3	75.0	5	5	100.0	11	11	100.0	131	127	96.9
White Oak Twp.	71	65	91.5	1	1	100.0	2	0	0.0	1	0	0.0	3	3	100.0	63	61	96.8
Williamston	62	56	90.3	0	0	0.0	2	1	50.0	3	3	100.0	2	2	100.0	49	49	100.0
Williamston Twp.	186	172	92.5	0	0	0.0	5	4	80.0	4	2	50.0	12	12	100.0	154	153	99.4
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Ingham County TOTAL</b>	<b>15,257</b>	<b>13,552</b>	<b>88.8</b>	<b>23</b>	<b>12</b>	<b>52.2</b>	<b>122</b>	<b>101</b>	<b>82.8</b>	<b>357</b>	<b>302</b>	<b>84.6</b>	<b>1,404</b>	<b>1,337</b>	<b>95.2</b>	<b>12,250</b>	<b>11,781</b>	<b>96.2</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	200	2	24	174	2	32
February	175	0	20	155	0	28
March	115	0	13	102	0	15
April	125	0	11	114	0	18
May	155	0	16	139	0	21
June	141	0	28	113	0	33
July	158	1	28	129	1	35
August	122	3	28	91	3	43
September	121	1	18	102	1	28
October	179	1	14	164	1	16
November	238	0	11	227	0	17
December	183	0	25	158	0	32
<b>TOTAL</b>	<b>1,912</b>	<b>8</b>	<b>236</b>	<b>1,668</b>	<b>8</b>	<b>318</b>

In Ionia County in 2011 there were:

1,912 crashes

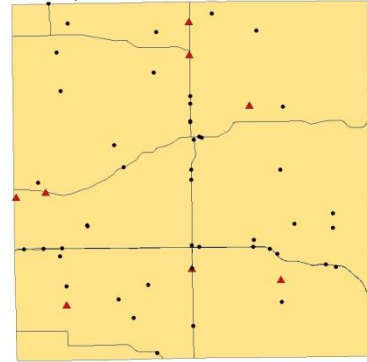
Involving:

2,976 people

2,959 motor vehicle drivers and passengers

8 bicyclists

9 pedestrians



Crashes by most severe injury (mapped/actual)

▲ Fatal (8/8)

● Incapacitating (A) (49/49)

## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	13,741	400	5	3.6	125.0
16 - 20	4,475	3,362	328	733.0	975.6
21 - 64	38,436	32,410	1,862	484.4	574.5
65 +	7,253	6,697	173	238.5	258.3
Other/Unknown	--	--	89	--	--
<b>TOTAL</b>	<b>63,905</b>	<b>42,869</b>	<b>2,457</b>	<b>384.5</b>	<b>573.1</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	1,737	70.7	5	38.5	232	1,500
Van, motorhome	70	2.8	1	7.7	14	55
Pickup truck	468	19.0	4	30.8	60	404
Small truck under 10,000 lbs. GVWR	62	2.5	0	0.0	6	56
Cycle	27	1.1	3	23.1	19	5
Moped	0	0.0	0	0.0	0	0
Go Cart	1	0.0	0	0.0	0	1
Snowmobile	1	0.0	0	0.0	1	0
Off-Road Vehicle (ORV) / All-Terrain Vehicle (ATV)	2	0.1	0	0.0	2	0
Other	8	0.3	0	0.0	2	6
Truck/bus over 10,000 lbs.	58	2.4	0	0.0	9	49
Unknown	23	0.9	0	0.0	1	22
<b>TOTAL</b>	<b>2,457</b>	<b>100.0</b>	<b>13</b>	<b>100.0</b>	<b>346</b>	<b>2,098</b>

## Ionia County Experience

Ionia County experienced the highest number of fatal crashes (3) and the highest number of persons killed (3) in August.

Ionia County driver statistics indicate 7.8 percent of licensed drivers were age 16-20, and 13.3 percent of drivers in that age group were involved in crashes.

In Ionia County, motorcycles accounted for only 1.1 percent of the total vehicles in crashes, but were involved in 23.1 percent of the total fatal crashes.



Crash Type								
	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	1,378	72.1	5	62.5	25	44	60	1,244
Head On	18	0.9	1	12.5	7	2	0	8
Head On - Left Turn	15	0.8	0	0.0	4	2	4	5
Angle	129	6.7	1	12.5	2	12	17	97
Rear End	171	8.9	0	0.0	6	7	18	140
Rear End - Left Turn	15	0.8	0	0.0	0	0	4	11
Rear End - Right Turn	13	0.7	0	0.0	0	0	1	12
Sideswipe - Same Direction	76	4.0	0	0.0	3	3	7	63
Sideswipe - Opposite Direct	24	1.3	0	0.0	1	0	1	22
Other/Unknown	73	3.8	1	12.5	1	3	2	66
<b>Total</b>	<b>1,912</b>	<b>100.0</b>	<b>8</b>	<b>100.0</b>	<b>49</b>	<b>73</b>	<b>114</b>	<b>1,668</b>

Relationship to Roadway								
Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	1,491	78.0	6	75.0	31	39	61	1,354
Median	16	0.8	0	0.0	3	0	3	10
Shoulder	112	5.9	0	0.0	5	5	11	91
Outside of Shoulder/Curb	262	13.7	2	25.0	9	26	33	192
Gore	12	0.6	0	0.0	0	1	3	8
Other/Unknown	19	1.0	0	0.0	1	2	3	13
<b>Total</b>	<b>1,912</b>	<b>100.0</b>	<b>8</b>	<b>100.0</b>	<b>49</b>	<b>73</b>	<b>114</b>	<b>1,668</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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	4	3	3	3	0	1	1	0	1
21 - 64	59	59	47	49	1	5	12	11	20
65 +	1	4	0	0	0	0	0	0	0
Other/Unknown	3	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>68</b>	<b>66</b>	<b>50</b>	<b>52</b>	<b>1</b>	<b>6</b>	<b>13</b>	<b>11</b>	<b>21</b>

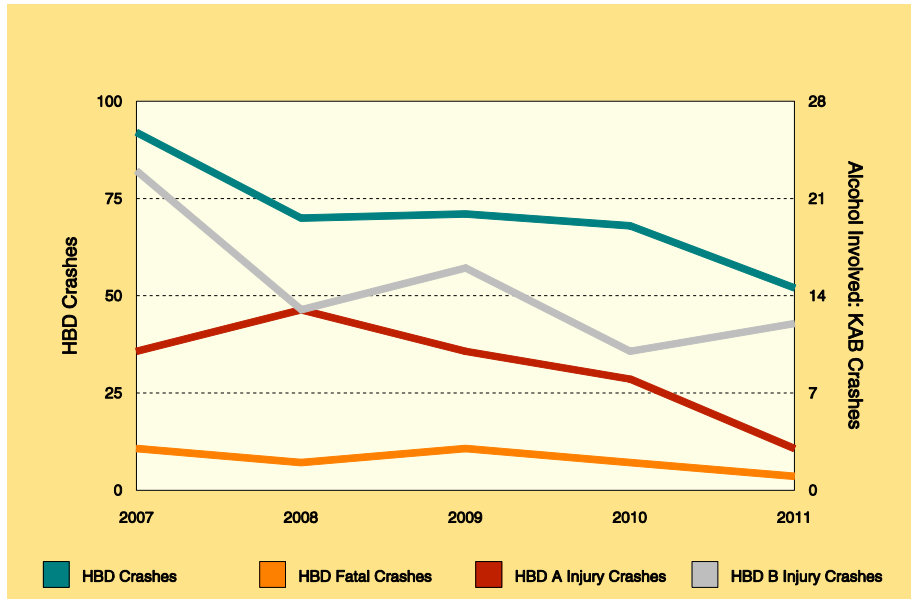
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

IONIA	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	2,575	92	3.6	6	3	50.0	49	10	20.4	114	23	20.2
2008	2,491	70	2.8	9	2	22.2	60	13	21.7	88	13	14.8
2009	2,294	71	3.1	10	3	30.0	39	10	25.6	85	16	18.8
2010	2,161	68	3.2	12	2	16.7	53	8	15.1	90	10	11.1
2011	1,912*	52*	2.7	8	1*	12.5	49	3*	6.1	73*	12	16.4

\* Lowest number reported in the 5-year period.

**Restraint use among reported vehicle occupants by vehicle type**

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	1,812	1,675	92.4	2	2	100.0	42	33	78.6	69	60	87.0	109	98	89.9	1,542	1,480	96.0
Van, motorhome	71	67	94.4	0	0	0.0	1	1	100.0	1	1	100.0	7	6	85.7	61	59	96.7
Pickup truck	480	434	90.4	1	0	0.0	5	3	60.0	16	12	75.0	23	21	91.3	421	398	94.5
Small truck under 10,000 lbs. GVWR	62	60	96.8	0	0	0.0	1	1	100.0	0	0	100.0	4	4	100.0	56	55	98.2
Cycle	31	30	96.8	2	2	100.0	9	9	100.0	6	6	100.0	6	6	100.0	8	7	87.5
Moped	0	0	33.3	0	0	0.0	0	0	0.0	0	0	0.0	0	0	100.0	0	0	0.0
Go Cart	1	1	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0
Snowmobile	1	1	100.0	0	0	0.0	1	1	100.0	0	0	0.0	0	0	0.0	0	0	0.0
Off-Road Vehicle (ORV) /All-Terrain Vehicle (ATV)	2	0	0.0	0	0	0.0	0	0	0.0	2	0	0.0	0	0	0.0	0	0	0.0
Other	8	2	25.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	5	1	20.0
Truck/bus over 10,000 lbs.	58	54	93.1	0	0	0.0	0	0	100.0	0	0	100.0	1	1	100.0	56	53	94.6
Uncoded & errors	23	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0
<b>TOTAL</b>	<b>2,549</b>	<b>2,324</b>	<b>91.2</b>	<b>5</b>	<b>4</b>	<b>80.0</b>	<b>59</b>	<b>48</b>	<b>81.4</b>	<b>94</b>	<b>79</b>	<b>84.0</b>	<b>151</b>	<b>137</b>	<b>90.7</b>	<b>2,151</b>	<b>2,054</b>	<b>95.5</b>

**Restraint use among reported vehicle occupants by age**

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	28	24	85.7	0	0	0.0	4	4	100.0	8	6	75.0	12	10	83.3	4	4	100.0
16 - 20	347	335	96.5	0	0	100.0	11	9	81.8	18	15	83.3	26	25	96.2	291	285	97.9
21 - 64	1,902	1,788	94.0	3	3	100.0	40	31	77.5	56	47	83.9	96	85	88.5	1,706	1,621	95.0
65 +	181	176	97.2	2	1	50.0	4	4	100.0	11	11	100.0	16	16	100.0	148	144	97.3
Other/Unknown	91	1	1.1	0	0	0.0	0	0	0.0	1	0	0.0	1	1	100.0	2	0	0.0
<b>TOTAL</b>	<b>2,549</b>	<b>2,324</b>	<b>91.2</b>	<b>5</b>	<b>4</b>	<b>80.0</b>	<b>59</b>	<b>48</b>	<b>81.4</b>	<b>94</b>	<b>79</b>	<b>84.0</b>	<b>151</b>	<b>137</b>	<b>90.7</b>	<b>2,151</b>	<b>2,054</b>	<b>95.5</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Belding	4	2	2	2	0	0	0	0	2
Berlin Twp.	3	2	2	2	0	1	0	0	1
Boston Twp.	5	7	5	5	0	1	2	0	2
Campbell Twp.	2	4	2	2	0	1	0	1	0
Clarksville	0	0	0	0	0	0	0	0	0
Danby Twp.	5	4	4	4	0	1	2	0	1
Easton Twp.	2	4	2	2	0	0	0	2	0
Hubbardston	1	1	1	1	0	0	1	0	0
Ionia	8	4	4	5	0	0	0	0	5
Ionia Twp.	7	8	5	5	0	0	2	3	0
Keene Twp.	3	2	2	2	0	1	1	0	0
Lake Odessa	2	1	1	1	0	0	0	0	1
Lyons	0	0	0	0	0	0	0	0	0
Lyons Twp.	0	0	0	0	0	0	0	0	0
Muir	0	0	0	0	0	0	0	0	0
North Plains Twp.	1	1	1	1	0	0	1	0	0
Odessa Twp.	4	3	3	4	0	0	2	0	2
Orange Twp.	8	5	5	5	0	1	1	2	1
Orleans Twp.	1	1	1	1	0	0	0	0	1
Otisco Twp.	3	2	2	2	0	0	1	1	0
Pewamo	0	0	0	0	0	0	0	0	0
Portland	1	2	1	1	0	0	0	1	0
Portland Twp.	2	2	2	2	0	0	0	0	2
Ronald Twp.	2	7	2	2	0	0	0	0	2
Saranac	0	0	0	0	0	0	0	0	0
Sebewa Twp.	4	4	3	3	1	0	0	1	1
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Ionia County TOTAL</b>	<b>68</b>	<b>66</b>	<b>50</b>	<b>52</b>	<b>1</b>	<b>6</b>	<b>13</b>	<b>11</b>	<b>21</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Belding	60	0	0	11	2	0	0	0	2	0	0	0
Berlin Twp.	125	0	0	14	2	0	0	1	26	0	0	4
Boston Twp.	164	2	2	40	5	0	0	4	41	0	0	23
Campbell Twp.	44	1	1	5	2	0	0	3	14	1	1	1
Clarksville	2	0	0	2	0	0	0	0	1	0	0	2
Danby Twp.	81	0	0	15	4	0	0	0	32	0	0	7
Easton Twp.	102	0	0	13	2	0	0	1	17	0	0	2
Hubbardston	2	0	0	1	1	0	0	1	1	0	0	1
Ionia	151	0	0	23	5	0	0	1	7	0	0	1
Ionia Twp.	230	1	1	49	5	0	0	0	43	0	0	11
Keene Twp.	47	0	0	7	2	0	0	3	9	0	0	1
Lake Odessa	17	0	0	0	1	0	0	0	0	0	0	0
Lyons	1	0	0	0	0	0	0	0	0	0	0	0
Lyons Twp.	72	0	0	5	0	0	0	0	13	0	0	3
Muir	9	0	0	0	0	0	0	0	4	0	0	0
North Plains Twp.	67	0	0	4	1	0	0	0	6	0	0	3
Odessa Twp.	45	0	0	18	4	0	0	2	9	0	0	3
Orange Twp.	176	1	1	34	5	0	0	3	35	0	0	4
Orleans Twp.	81	0	0	13	1	0	0	0	13	0	0	9
Otisco Twp.	76	0	0	20	2	0	0	1	13	0	0	6
Pewamo	5	0	0	0	0	0	0	0	0	0	0	0
Portland	64	0	0	7	1	0	0	0	11	0	0	0
Portland Twp.	116	0	0	14	2	0	0	2	33	0	0	10
Ronald Twp.	108	2	2	15	2	0	0	1	12	0	0	4
Saranac	9	0	0	0	0	0	0	0	1	0	0	0
Sebewa Twp.	58	1	1	8	3	1	1	2	6	0	0	3
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Ionia County TOTAL</b>	<b>1,912</b>	<b>8</b>	<b>8</b>	<b>318</b>	<b>52</b>	<b>1</b>	<b>1</b>	<b>25</b>	<b>349</b>	<b>1</b>	<b>1</b>	<b>98</b>

Restraint use among reported vehicle occupants by municipality

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Belding	102	85	83.3	0	0	0.0	1	0	0.0	4	0	0.0	4	4	100.0	83	81	97.6
Berlin Twp.	166	160	96.4	0	0	0.0	0	0	0.0	2	2	100.0	12	12	100.0	150	146	97.3
Boston Twp.	205	194	94.6	1	1	100.0	5	5	100.0	16	14	87.5	18	17	94.4	163	157	96.3
Campbell Twp.	50	50	100.0	1	1	100.0	0	0	0.0	2	2	100.0	3	3	100.0	44	44	100.0
Clarksville	4	3	75.0	0	0	0.0	1	1	100.0	0	0	0.0	1	1	100.0	2	1	50.0
Danby Twp.	96	96	100.0	0	0	0.0	3	3	100.0	4	4	100.0	7	7	100.0	82	82	100.0
Easton Twp.	109	100	91.7	0	0	0.0	2	1	50.0	5	5	100.0	6	5	83.3	94	89	94.7
Hubbardston	3	2	66.7	0	0	0.0	0	0	0.0	1	0	0.0	0	0	0.0	2	2	100.0
Ionia	276	227	82.2	0	0	0.0	2	2	100.0	4	2	50.0	14	14	100.0	219	208	95.0
Ionia Twp.	337	314	93.2	0	0	0.0	7	6	85.7	14	12	85.7	26	22	84.6	284	274	96.5
Keene Twp.	55	50	90.9	0	0	0.0	1	1	100.0	1	0	0.0	5	3	60.0	47	46	97.9
Lake Odessa	32	27	84.4	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	30	27	90.0
Lyons	2	2	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0
Lyons Twp.	77	71	92.2	0	0	0.0	3	2	66.7	2	1	50.0	0	0	0.0	72	68	94.4
Muir	12	10	83.3	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	11	10	90.9
North Plains Twp.	69	60	87.0	0	0	0.0	0	0	0.0	1	1	100.0	3	3	100.0	64	56	87.5
Odessa Twp.	65	55	84.6	0	0	0.0	6	4	66.7	4	4	100.0	8	6	75.0	45	41	91.1
Orange Twp.	238	229	96.2	0	0	0.0	11	10	90.9	11	11	100.0	11	11	100.0	203	197	97.0
Orleans Twp.	96	86	89.6	0	0	0.0	2	1	50.0	2	2	100.0	9	9	100.0	80	74	92.5
Otisco Twp.	103	91	88.3	0	0	0.0	3	1	33.3	7	5	71.4	10	8	80.0	81	77	95.1
Pewamo	6	6	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	6	6	100.0
Portland	102	93	91.2	0	0	0.0	2	2	100.0	2	2	100.0	2	1	50.0	90	88	97.8
Portland Twp.	136	124	91.2	0	0	0.0	3	2	66.7	4	4	100.0	7	6	85.7	120	111	92.5
Ronald Twp.	128	118	92.2	2	1	50.0	4	4	100.0	6	6	100.0	2	2	100.0	111	105	94.6
Saranac	15	9	60.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	10	9	90.0
Sebewa Twp.	65	62	95.4	1	1	100.0	3	3	100.0	2	2	100.0	3	3	100.0	56	53	94.6
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Ionia County TOTAL</b>	<b>2,549</b>	<b>2,324</b>	<b>91.2</b>	<b>5</b>	<b>4</b>	<b>80.0</b>	<b>59</b>	<b>48</b>	<b>81.4</b>	<b>94</b>	<b>79</b>	<b>84.0</b>	<b>151</b>	<b>137</b>	<b>90.7</b>	<b>2,151</b>	<b>2,054</b>	<b>95.5</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	80	0	12	68	0	15
February	50	0	10	40	0	15
March	52	0	7	45	0	8
April	54	0	10	44	0	10
May	51	0	7	44	0	10
June	70	0	11	59	0	15
July	56	0	15	41	0	19
August	35	3	10	22	3	10
September	43	0	9	34	0	13
October	43	0	9	34	0	14
November	64	0	12	52	0	15
December	64	0	13	51	0	19
<b>TOTAL</b>	<b>662</b>	<b>3</b>	<b>125</b>	<b>534</b>	<b>3</b>	<b>163</b>

In Iosco County in 2011 there were:

662 crashes

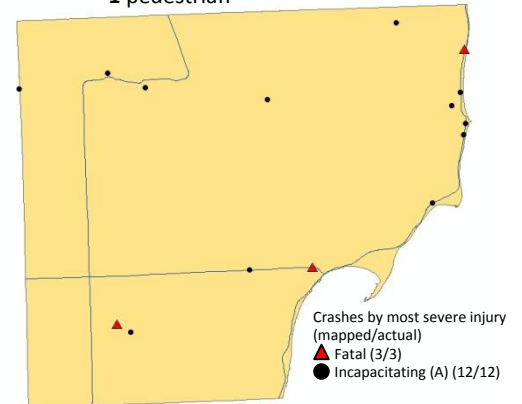
Involving:

984 people

978 motor vehicle drivers and passengers

5 bicyclists

1 pedestrian



## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	3,926	116	5	12.7	431.0
16 - 20	1,348	1,047	98	727.0	936.0
21 - 64	13,858	13,033	610	440.2	468.0
65 +	6,755	6,429	131	193.9	203.8
Other/Unknown	--	--	29	--	--
<b>TOTAL</b>	<b>25,887</b>	<b>20,625</b>	<b>873</b>	<b>337.2</b>	<b>423.3</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Iosco County Experience

Iosco County experienced the highest number of fatal crashes (3) and the highest number of persons killed (3) in August.

Iosco County driver statistics indicate 5.1 percent of licensed drivers were age 16-20, and 11.2 percent of drivers in that age group were involved in crashes.

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	607	69.5	2	66.7	120	485
Van, motorhome	32	3.7	0	0.0	5	27
Pickup truck	188	21.5	1	33.3	34	153
Small truck under 10,000 lbs. GVWR	3	0.3	0	0.0	1	2
Cycle	7	0.8	0	0.0	5	2
Moped	1	0.1	0	0.0	1	0
Go Cart	0	0.0	0	0.0	0	0
Snowmobile	4	0.5	0	0.0	2	2
Off-Road Vehicle (ORV) / All-Terrain Vehicle (ATV)	3	0.3	0	0.0	3	0
Other	2	0.2	0	0.0	0	2
Truck/bus over 10,000 lbs.	23	2.6	0	0.0	7	16
Unknown	3	0.3	0	0.0	0	3
<b>TOTAL</b>	<b>873</b>	<b>100.0</b>	<b>3</b>	<b>100.0</b>	<b>178</b>	<b>692</b>



## Crash Type

	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	457	69.0	3	100.0	9	26	40	379
Head On	6	0.9	0	0.0	0	0	0	6
Head On - Left Turn	11	1.7	0	0.0	1	3	2	5
Angle	73	11.0	0	0.0	2	7	12	52
Rear End	53	8.0	0	0.0	0	4	12	37
Rear End - Left Turn	10	1.5	0	0.0	0	1	3	6
Rear End - Right Turn	3	0.5	0	0.0	0	1	2	0
Sideswipe - Same Direction	25	3.8	0	0.0	0	0	0	25
Sideswipe - Opposite Direct	7	1.1	0	0.0	0	0	0	7
Other/Unknown	17	2.6	0	0.0	0	0	0	17
<b>Total</b>	<b>662</b>	<b>100.0</b>	<b>3</b>	<b>100.0</b>	<b>12</b>	<b>42</b>	<b>71</b>	<b>534</b>

## Relationship to Roadway

Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	485	73.3	2	66.7	4	28	40	411
Median	2	0.3	0	0.0	0	1	0	1
Shoulder	35	5.3	0	0.0	2	3	4	26
Outside of Shoulder/Curb	124	18.7	1	33.3	6	10	26	81
Gore	4	0.6	0	0.0	0	0	1	3
Other/Unknown	12	1.8	0	0.0	0	0	0	12
<b>Total</b>	<b>662</b>	<b>100.0</b>	<b>3</b>	<b>100.0</b>	<b>12</b>	<b>42</b>	<b>71</b>	<b>534</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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	3	4	2	2	0	0	0	1	1
21 - 64	21	25	16	19	0	0	7	3	9
65 +	1	1	1	1	0	1	0	0	0
Other/Unknown	1	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>26</b>	<b>30</b>	<b>19</b>	<b>22</b>	<b>0</b>	<b>1</b>	<b>7</b>	<b>4</b>	<b>10</b>

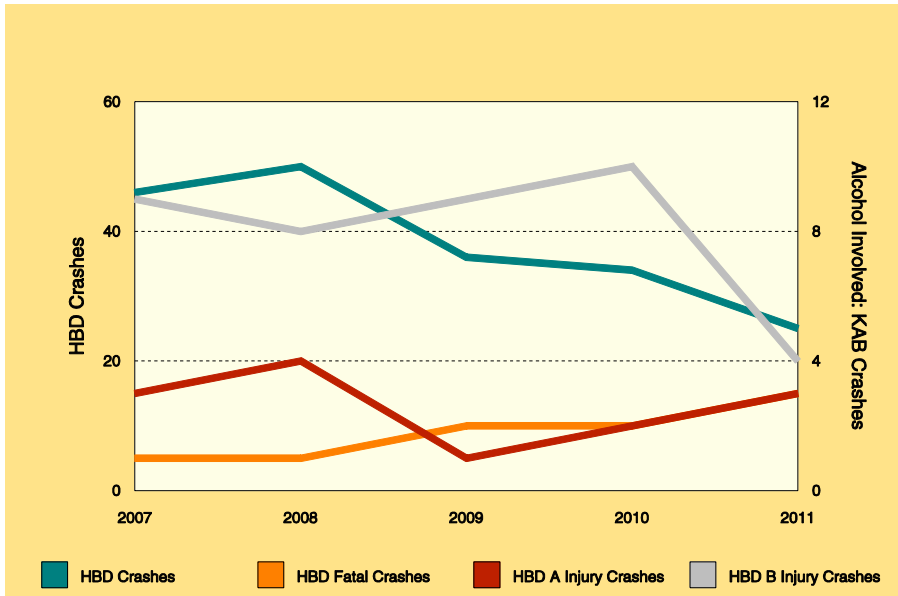
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

IOSCO	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	911	46	5.1	1	1	100.0	12	3	25.0	40	9	22.5
2008	836	50	6.0	1	1	100.0	32	4	12.5	27	8	29.6
2009	774	36	4.7	3	2	66.7	11	1	9.1	43	9	20.9
2010	641	34	5.3	4	2	50.0	17	2	11.8	35	10	28.6
2011	662	25*	3.8	3	3**	100.0	12	3	25.0	42	4*	9.5

\* Lowest number reported in the 5-year period. \*\* Highest number reported in the 5-year period.

**Restraint use among reported vehicle occupants by vehicle type**

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	637	587	92.2	1	1	100.0	8	6	75.0	28	25	89.3	72	65	90.3	513	489	95.3
Van, motorhome	34	29	85.3	0	0	0.0	0	0	0.0	3	1	33.3	3	2	66.7	28	26	92.9
Pickup truck	197	184	93.4	0	0	0.0	2	1	50.0	9	6	66.7	18	16	88.9	163	161	98.8
Small truck under 10,000 lbs. GVWR	3	3	100.0	0	0	0.0	0	0	0.0	1	1	100.0	0	0	0.0	2	2	100.0
Cycle	7	7	100.0	0	0	0.0	1	1	100.0	2	2	100.0	2	2	100.0	2	2	100.0
Moped	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	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	4	3	75.0	0	0	0.0	1	1	100.0	1	1	100.0	0	0	0.0	2	1	50.0
Off-Road Vehicle (ORV) /All-Terrain Vehicle (ATV)	3	1	33.3	0	0	0.0	1	0	0.0	0	0	0.0	2	1	50.0	0	0	0.0
Other	2	2	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0
Truck/bus over 10,000 lbs.	24	22	91.7	0	0	0.0	0	0	0.0	2	1	50.0	2	1	50.0	20	20	100.0
Uncoded & errors	3	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>TOTAL</b>	<b>915</b>	<b>838</b>	<b>91.6</b>	<b>1</b>	<b>1</b>	<b>100.0</b>	<b>13</b>	<b>9</b>	<b>69.2</b>	<b>47</b>	<b>37</b>	<b>78.7</b>	<b>99</b>	<b>87</b>	<b>87.9</b>	<b>732</b>	<b>703</b>	<b>96.0</b>

**Restraint use among reported vehicle occupants by age**

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	17	13	76.5	0	0	0.0	0	0	0.0	4	1	25.0	11	10	90.9	2	2	100.0
16 - 20	106	100	94.3	0	0	0.0	2	2	100.0	8	7	87.5	13	12	92.3	83	79	95.2
21 - 64	630	598	94.9	1	1	100.0	10	7	70.0	27	21	77.8	68	59	86.8	523	509	97.3
65 +	133	127	95.5	0	0	0.0	1	0	0.0	8	8	100.0	7	6	85.7	117	113	96.6
Other/Unknown	29	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	7	0	0.0
<b>TOTAL</b>	<b>915</b>	<b>838</b>	<b>91.6</b>	<b>1</b>	<b>1</b>	<b>100.0</b>	<b>13</b>	<b>9</b>	<b>69.2</b>	<b>47</b>	<b>37</b>	<b>78.7</b>	<b>99</b>	<b>87</b>	<b>87.9</b>	<b>732</b>	<b>703</b>	<b>96.0</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Alabaster Twp.	1	1	1	1	0	0	0	1	0
Au Sable Twp.	3	2	2	2	0	0	0	0	2
Baldwin Twp.	0	1	0	0	0	0	0	0	0
Burleigh Twp.	1	1	1	1	0	0	0	1	0
East Tawas	0	0	0	0	0	0	0	0	0
Grant Twp.	1	1	1	1	0	0	0	1	0
Oscoda Twp.	8	8	6	7	0	0	2	0	5
Plainfield Twp.	3	4	2	3	0	0	1	1	1
Reno Twp.	1	2	1	1	0	0	1	0	0
Sherman Twp.	1	0	0	1	0	0	0	0	1
Tawas City	1	4	0	0	0	0	0	0	0
Tawas Twp.	2	2	2	2	0	1	0	0	1
Whittemore	0	1	0	0	0	0	0	0	0
Wilber Twp.	4	3	3	3	0	0	3	0	0
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Iosco County TOTAL</b>	<b>26</b>	<b>30</b>	<b>19</b>	<b>22</b>	<b>0</b>	<b>1</b>	<b>7</b>	<b>4</b>	<b>10</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Alabaster Twp.	36	0	0	3	1	0	0	0	3	0	0	0
Au Sable Twp.	45	0	0	14	3	0	0	2	12	0	0	1
Baldwin Twp.	52	0	0	13	0	0	0	0	12	0	0	6
Burleigh Twp.	20	1	1	3	1	1	1	0	1	0	0	0
East Tawas	30	0	0	8	0	0	0	0	5	0	0	1
Grant Twp.	43	0	0	10	1	0	0	0	3	0	0	2
Oscoda Twp.	190	1	1	50	8	1	1	5	28	0	0	9
Plainfield Twp.	57	0	0	16	3	0	0	3	11	0	0	6
Reno Twp.	39	0	0	7	1	0	0	0	6	0	0	1
Sherman Twp.	18	0	0	8	1	0	0	0	4	0	0	0
Tawas City	44	1	1	14	1	1	1	0	1	0	0	0
Tawas Twp.	66	0	0	12	2	0	0	2	12	0	0	4
Whittemore	2	0	0	2	0	0	0	0	0	0	0	0
Wilber Twp.	20	0	0	3	3	0	0	1	4	0	0	2
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Iosco County TOTAL</b>	<b>662</b>	<b>3</b>	<b>3</b>	<b>163</b>	<b>25</b>	<b>3</b>	<b>3</b>	<b>13</b>	<b>102</b>	<b>0</b>	<b>0</b>	<b>32</b>

**Restraint use among reported vehicle occupants by municipality**

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Alabaster Twp.	38	37	97.4	0	0	0.0	0	0	0.0	1	1	100.0	2	2	100.0	35	34	97.1
Au Sable Twp.	64	58	90.6	0	0	0.0	3	1	33.3	2	2	100.0	8	8	100.0	48	47	97.9
Baldwin Twp.	68	66	97.1	0	0	0.0	1	1	100.0	5	5	100.0	7	7	100.0	55	53	96.4
Burleigh Twp.	24	23	95.8	1	1	100.0	0	0	0.0	2	2	100.0	1	1	100.0	20	19	95.0
East Tawas	55	53	96.4	0	0	0.0	0	0	0.0	2	2	100.0	6	6	100.0	47	45	95.7
Grant Twp.	49	46	93.9	0	0	0.0	0	0	0.0	4	2	50.0	6	6	100.0	39	38	97.4
Oscoda Twp.	290	250	86.2	0	0	0.0	4	4	100.0	16	11	68.8	28	22	78.6	224	213	95.1
Plainfield Twp.	70	59	84.3	0	0	0.0	2	1	50.0	2	0	0.0	12	9	75.0	54	49	90.7
Reno Twp.	45	44	97.8	0	0	0.0	0	0	0.0	4	3	75.0	3	3	100.0	38	38	100.0
Sherman Twp.	23	21	91.3	0	0	0.0	2	2	100.0	2	2	100.0	4	4	100.0	15	13	86.7
Tawas City	80	76	95.0	0	0	0.0	0	0	0.0	3	3	100.0	10	9	90.0	65	63	96.9
Tawas Twp.	84	82	97.6	0	0	0.0	1	0	0.0	3	3	100.0	8	7	87.5	72	72	100.0
Whittemore	3	2	66.7	0	0	0.0	0	0	0.0	0	0	0.0	2	1	50.0	1	1	100.0
Wilber Twp.	22	21	95.5	0	0	0.0	0	0	0.0	1	1	100.0	2	2	100.0	19	18	94.7
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Iosco County TOTAL</b>	<b>915</b>	<b>838</b>	<b>91.6</b>	<b>1</b>	<b>1</b>	<b>100.0</b>	<b>13</b>	<b>9</b>	<b>69.2</b>	<b>47</b>	<b>37</b>	<b>78.7</b>	<b>99</b>	<b>87</b>	<b>87.9</b>	<b>732</b>	<b>703</b>	<b>96.0</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	51	0	4	47	0	7
February	25	0	1	24	0	1
March	48	0	9	39	0	9
April	30	0	5	25	0	5
May	36	0	7	29	0	7
June	49	0	3	46	0	3
July	47	0	4	43	0	7
August	39	2	4	33	2	13
September	63	1	3	59	1	4
October	68	0	2	66	0	2
November	75	0	2	73	0	2
December	68	0	9	59	0	10
<b>TOTAL</b>	<b>599</b>	<b>3</b>	<b>53</b>	<b>543</b>	<b>3</b>	<b>70</b>

In Iron County in 2011 there were:

599 crashes

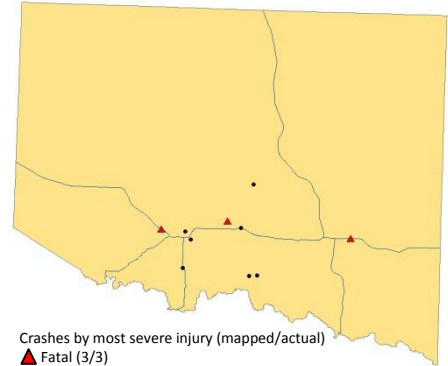
Involving:

759 people

755 motor vehicle drivers and passengers

1 bicyclist

3 pedestrians



Crashes by most severe injury (mapped/actual)

▲ Fatal (3/3)  
● Incapacitating (A) (7/7)

## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	1,750	44	1	5.7	227.3
16 - 20	569	510	61	1072.1	1196.1
21 - 64	6,390	6,117	468	732.4	765.1
65 +	3,108	2,604	122	392.5	468.5
Other/Unknown	--	--	35	--	--
<b>TOTAL</b>	<b>11,817</b>	<b>9,275</b>	<b>687</b>	<b>581.4</b>	<b>740.7</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	445	64.8	3	60.0	034.0	408
Van, motorhome	35	5.1	1	20.0	5	29
Pickup truck	159	23.1	0	0.0	19	140
Small truck under 10,000 lbs. GVWR	17	2.5	0	0.0	1	16
Cycle	7	1.0	1	20.0	3	3
Moped	1	0.1	0	0.0	1	0
Go Cart	0	0.0	0	0.0	0	0
Snowmobile	1	0.1	0	0.0	1	0
Off-Road Vehicle (ORV) / All-Terrain Vehicle (ATV)	2	0.3	0	0.0	1	1
Other	2	0.3	0	0.0	0	2
Truck/bus over 10,000 lbs.	6	0.9	0	0.0	2	4
Unknown	12	1.7	0	0.0	0	12
<b>TOTAL</b>	<b>687</b>	<b>100.0</b>	<b>5</b>	<b>100.0</b>	<b>67</b>	<b>615</b>

## Iron County Experience

Iron County experienced the highest number of fatal crashes (2) and the highest number of persons killed (2) in August.

Iron County driver statistics indicate 5.5 percent of licensed drivers were age 16-20, and 8.9 percent of drivers in that age group were involved in crashes.



## Crash Type

	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	505	84.3	1	33.3	5	15	18	466
Head On	4	0.7	0	0.0	0	0	2	2
Head On - Left Turn	2	0.3	1	33.3	0	0	0	1
Angle	19	3.2	1	33.3	0	1	2	15
Rear End	21	3.5	0	0.0	0	2	3	16
Rear End - Left Turn	3	0.5	0	0.0	0	0	1	2
Rear End - Right Turn	0	0.0	0	0.0	0	0	0	0
Sideswipe - Same Direction	10	1.7	0	0.0	0	0	0	10
Sideswipe - Opposite Direct	8	1.3	0	0.0	2	0	0	6
Other/Unknown	27	4.5	0	0.0	0	0	2	25
<b>Total</b>	<b>599</b>	<b>100.0</b>	<b>3</b>	<b>100.0</b>	<b>7</b>	<b>18</b>	<b>28</b>	<b>543</b>

## Relationship to Roadway

Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	483	80.6	2	66.7	3	9	14	455
Median	0	0.0	0	0.0	0	0	0	0
Shoulder	30	5.0	0	0.0	0	1	7	22
Outside of Shoulder/Curb	68	11.4	1	33.3	4	8	5	50
Gore	2	0.3	0	0.0	0	0	0	2
Other/Unknown	16	2.7	0	0.0	0	0	2	14
<b>Total</b>	<b>599</b>	<b>100.0</b>	<b>3</b>	<b>100.0</b>	<b>7</b>	<b>18</b>	<b>28</b>	<b>543</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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	6	1	1	6	0	0	0	0	6
21 - 64	11	12	8	10	0	0	2	0	8
65 +	2	1	0	1	0	0	0	0	1
Other/Unknown	1	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>20</b>	<b>14</b>	<b>9</b>	<b>17</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>15</b>

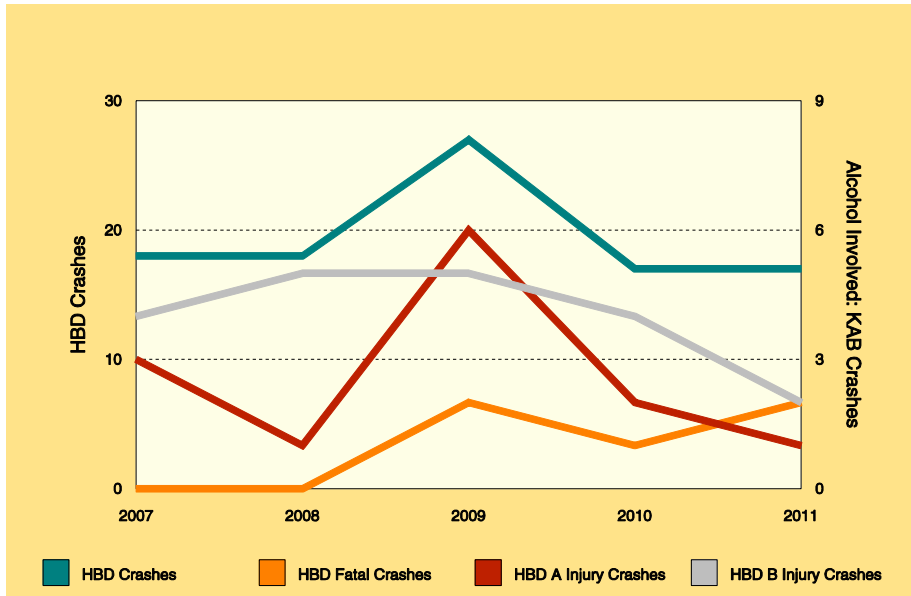
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

IRON	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	629	18	2.9	2	0	0.0	8	3	37.5	28	4	14.3
2008	648	18	2.8	0	0	0.0	9	1	11.1	16	5	31.3
2009	569	27	4.8	4	2	50.0	13	6	46.2	26	5	19.2
2010	621	17	2.7	2	1	50.0	9	2	22.2	25	4	16.0
2011	599	17	2.8	3	2	66.7	7*	1	14.3	18	2*	11.1

\* Lowest number reported in the 5-year period.

**Restraint use among reported vehicle occupants by vehicle type**

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	458	405	88.4	2	1	50.0	4	3	75.0	11	6	54.5	23	18	78.3	401	375	93.5
Van, motorhome	39	35	89.7	0	0	0.0	0	0	0.0	4	3	75.0	6	6	100.0	27	26	96.3
Pickup truck	162	140	86.4	0	0	0.0	3	1	33.3	2	2	100.0	6	6	100.0	146	130	89.0
Small truck under 10,000 lbs. GVWR	17	15	88.2	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	16	15	93.8
Cycle	8	7	87.5	1	1	100.0	1	1	100.0	3	3	100.0	0	0	0.0	3	2	66.7
Moped	2	2	100.0	0	0	0.0	0	0	0.0	1	1	100.0	1	1	100.0	0	0	0.0
Go 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	1	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0	0	0	0.0	0	0	0.0
Off-Road Vehicle (ORV) /All-Terrain Vehicle (ATV)	2	1	50.0	0	0	0.0	0	0	0.0	1	1	100.0	0	0	0.0	0	0	0.0
Other	2	1	50.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0
Truck/bus over 10,000 lbs.	6	4	66.7	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	6	4	66.7
Uncoded & errors	12	1	8.3	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0
<b>TOTAL</b>	<b>709</b>	<b>611</b>	<b>86.2</b>	<b>3</b>	<b>2</b>	<b>66.7</b>	<b>8</b>	<b>5</b>	<b>62.5</b>	<b>23</b>	<b>16</b>	<b>69.6</b>	<b>36</b>	<b>31</b>	<b>86.1</b>	<b>601</b>	<b>554</b>	<b>92.2</b>

**Restraint use among reported vehicle occupants by age**

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	5	3	60.0	0	0	0.0	1	1	100.0	1	1	100.0	2	1	50.0	1	0	0.0
16 - 20	62	55	88.7	0	0	0.0	0	0	0.0	2	1	50.0	3	3	100.0	56	50	89.3
21 - 64	481	436	90.6	2	2	100.0	7	4	57.1	17	11	64.7	23	19	82.6	428	398	93.0
65 +	125	116	92.8	1	0	0.0	0	0	0.0	2	2	100.0	8	8	100.0	114	106	93.0
Other/Unknown	36	1	2.8	0	0	0.0	0	0	0.0	1	1	100.0	0	0	0.0	2	0	0.0
<b>TOTAL</b>	<b>709</b>	<b>611</b>	<b>86.2</b>	<b>3</b>	<b>2</b>	<b>66.7</b>	<b>8</b>	<b>5</b>	<b>62.5</b>	<b>23</b>	<b>16</b>	<b>69.6</b>	<b>36</b>	<b>31</b>	<b>86.1</b>	<b>601</b>	<b>554</b>	<b>92.2</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Alpha	1	0	0	1	0	0	0	0	1
Bates Twp.	3	2	2	3	0	0	1	0	2
Caspian	0	0	0	0	0	0	0	0	0
Crystal Falls	2	1	1	1	0	0	0	0	1
Crystal Falls Twp.	8	5	4	7	0	0	1	0	6
Gaastra	0	0	0	0	0	0	0	0	0
Hematite Twp.	2	0	0	1	0	0	0	0	1
Iron River	1	2	0	1	0	0	0	0	1
Iron River Twp.	0	0	0	0	0	0	0	0	0
Mansfield Twp.	0	1	0	0	0	0	0	0	0
Mastodon Twp.	1	0	0	1	0	0	0	0	1
Mineral Hills	0	0	0	0	0	0	0	0	0
Stambaugh	0	0	0	0	0	0	0	0	0
Stambaugh Twp.	2	3	2	2	0	0	0	0	2
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Iron County TOTAL</b>	<b>20</b>	<b>14</b>	<b>9</b>	<b>17</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>15</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Alpha	4	0	0	0	1	0	0	0	0	0	0	0
Bates Twp.	64	1	1	13	3	1	1	3	8	1	1	6
Caspian	5	0	0	2	0	0	0	0	0	0	0	0
Crystal Falls	34	0	0	7	1	0	0	0	2	0	0	0
Crystal Falls Twp.	109	1	1	9	7	1	1	2	6	0	0	2
Gaastra	5	0	0	0	0	0	0	0	0	0	0	0
Hematite Twp.	28	0	0	1	1	0	0	0	3	0	0	1
Iron River	105	0	0	13	1	0	0	0	4	0	0	0
Iron River Twp.	65	1	1	8	0	0	0	0	4	0	0	0
Mansfield Twp.	34	0	0	1	0	0	0	0	2	0	0	0
Mastodon Twp.	69	0	0	6	1	0	0	1	5	0	0	2
Mineral Hills	0	0	0	0	0	0	0	0	0	0	0	0
Stambaugh	0	0	0	0	0	0	0	0	0	0	0	0
Stambaugh Twp.	77	0	0	10	2	0	0	1	11	0	0	3
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Iron County TOTAL</b>	<b>599</b>	<b>3</b>	<b>3</b>	<b>70</b>	<b>17</b>	<b>2</b>	<b>2</b>	<b>7</b>	<b>45</b>	<b>1</b>	<b>1</b>	<b>14</b>

Restraint use among reported vehicle occupants by municipality

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Alpha	5	3	60.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	5	3	60.0
Bates Twp.	76	66	86.8	1	1	100.0	2	2	100.0	5	3	60.0	6	6	100.0	62	54	87.1
Caspian	6	4	66.7	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0	5	4	80.0
Crystal Falls	57	36	63.2	0	0	0.0	0	0	0.0	3	3	100.0	4	2	50.0	33	30	90.9
Crystal Falls Twp.	117	109	93.2	1	1	100.0	1	1	100.0	4	3	75.0	4	4	100.0	106	100	94.3
Gaastra	5	5	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	5	5	100.0
Hematite Twp.	32	31	96.9	0	0	0.0	0	0	0.0	1	1	100.0	0	0	0.0	31	30	96.8
Iron River	148	121	81.8	0	0	0.0	1	1	100.0	1	0	0.0	9	8	88.9	117	110	94.0
Iron River Twp.	74	63	85.1	1	0	0.0	1	0	0.0	4	3	75.0	3	2	66.7	65	58	89.2
Mansfield Twp.	36	36	100.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	35	35	100.0
Mastodon Twp.	72	69	95.8	0	0	0.0	1	0	0.0	1	1	100.0	4	4	100.0	66	64	97.0
Mineral Hills	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Stambaugh	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Stambaugh Twp.	81	68	84.0	0	0	0.0	2	1	50.0	4	2	50.0	4	4	100.0	71	61	85.9
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Iron County TOTAL</b>	<b>709</b>	<b>611</b>	<b>86.2</b>	<b>3</b>	<b>2</b>	<b>66.7</b>	<b>8</b>	<b>5</b>	<b>62.5</b>	<b>23</b>	<b>16</b>	<b>69.6</b>	<b>36</b>	<b>31</b>	<b>86.1</b>	<b>601</b>	<b>554</b>	<b>92.2</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	251	0	34	217	0	45
February	235	1	25	209	1	32
March	186	0	16	170	0	19
April	187	1	33	153	1	41
May	149	1	25	123	1	43
June	180	2	28	150	2	45
July	130	1	25	104	1	42
August	192	0	50	142	0	61
September	228	3	40	185	3	59
October	343	0	47	296	0	65
November	353	0	26	327	0	38
December	257	0	29	228	0	40
<b>TOTAL</b>	<b>2,691</b>	<b>9</b>	<b>378</b>	<b>2,304</b>	<b>9</b>	<b>530</b>

In Isabella County in 2011 there were:  
2,691 crashes

Involving:

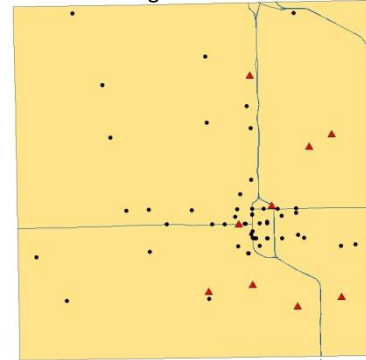
4,364 people

4,330 motor vehicle drivers and passengers

17 bicyclists

16 pedestrians

1 train engineer



Crashes by most severe injury (mapped/actual)

▲ Fatal (9/9)

● Incapacitating (A) (53/53)

## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	11,166	278	10	9.0	359.7
16 - 20	12,817	3,505	630	491.5	1797.4
21 - 64	39,501	30,457	2,784	704.8	914.1
65 +	6,827	6,215	297	435.0	477.9
Other/Unknown	--	--	189	--	--
<b>TOTAL</b>	<b>70,311</b>	<b>40,455</b>	<b>3,910</b>	<b>556.1</b>	<b>966.5</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	2,891	73.9	4	36.4	465	2,422
Van, motorhome	160	4.1	0	0.0	30	130
Pickup truck	611	15.6	3	27.3	86	522
Small truck under 10,000 lbs. GVWR	95	2.4	0	0.0	12	83
Cycle	30	0.8	2	18.2	23	5
Moped	3	0.1	1	9.1	2	0
Go 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)	6	0.2	1	9.1	5	0
Other	5	0.1	0	0.0	3	2
Truck/bus over 10,000 lbs.	57	1.5	0	0.0	7	50
Unknown	52	1.3	0	0.0	3	49
<b>TOTAL</b>	<b>3,910</b>	<b>100.0</b>	<b>11</b>	<b>100.0</b>	<b>636</b>	<b>3,263</b>

## Isabella County Experience

Isabella County experienced the highest number of fatal crashes (3) and the highest number of persons killed (3) in September.

Isabella County driver statistics indicate 8.7 percent of licensed drivers were age 16-20, and 16.1 percent of drivers in that age group were involved in crashes.

In Isabella County, motorcycles, mopeds, and ORV/ATVs accounted for only 1.1 percent of the total vehicles in crashes, but were involved in 36.4 percent of the total fatal crashes.



## Crash Type

	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	1,529	56.8	7	77.8	23	63	58	1,378
Head On	18	0.7	1	11.1	2	2	4	9
Head On - Left Turn	48	1.8	0	0.0	4	3	12	29
Angle	428	15.9	1	11.1	15	31	58	323
Rear End	369	13.7	0	0.0	3	14	49	303
Rear End - Left Turn	27	1.0	0	0.0	1	0	2	24
Rear End - Right Turn	18	0.7	0	0.0	0	0	3	15
Sideswipe - Same Direction	125	4.6	0	0.0	2	6	5	112
Sideswipe - Opposite Direct	53	2.0	0	0.0	0	4	4	45
Other/Unknown	76	2.8	0	0.0	3	4	3	66
<b>Total</b>	<b>2,691</b>	<b>100.0</b>	<b>9</b>	<b>100.0</b>	<b>53</b>	<b>127</b>	<b>198</b>	<b>2,304</b>

## Relationship to Roadway

Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	2,227	82.8	5	55.6	38	81	158	1,945
Median	11	0.4	0	0.0	0	4	2	5
Shoulder	95	3.5	1	11.1	3	4	6	81
Outside of Shoulder/Curb	279	10.4	3	33.3	11	32	26	207
Gore	8	0.3	0	0.0	0	0	2	6
Other/Unknown	71	2.6	0	0.0	1	6	4	60
<b>Total</b>	<b>2,691</b>	<b>100.0</b>	<b>9</b>	<b>100.0</b>	<b>53</b>	<b>127</b>	<b>198</b>	<b>2,304</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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	27	24	19	21	4	8	29	18	28
21 - 64	114	74	56	89	26	62	197	208	344
65 +	5	1	0	1	3	7	8	6	4
Other/Unknown	15	0	0	0	0	0	0	0	3
<b>TOTAL</b>	<b>161</b>	<b>99</b>	<b>75</b>	<b>111</b>	<b>33</b>	<b>77</b>	<b>234</b>	<b>232</b>	<b>379</b>

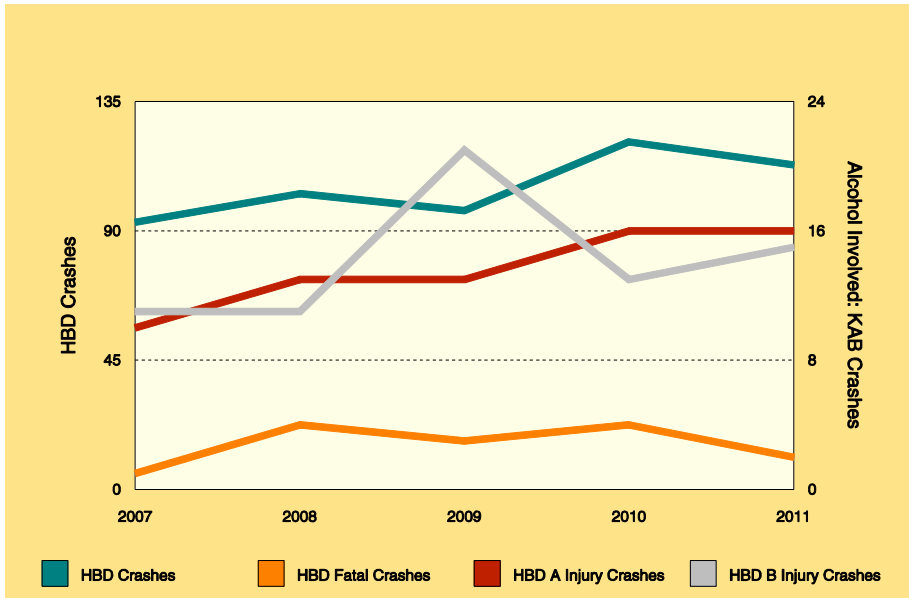
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

ISABELLA	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	2,932	93	3.2	5	1	20.0	52	10	19.2	116	11	9.5
2008	2,973	103	3.5	5	4	80.0	47	13	27.7	114	11	9.7
2009	3,022	97	3.2	9	3	33.3	54	13	24.1	134	21	15.7
2010	2,868	121	4.2	10	4	40.0	64	16	25.0	106	13	12.3
2011	2,691*	113	4.2	9	2	22.2	53	16	30.2	127	15	11.8

\* Lowest number reported in the 5-year period.

**Restraint use among reported vehicle occupants by vehicle type**

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	2,991	2,791	93.3	3	1	33.3	36	26	72.2	105	88	83.8	229	215	93.9	2,502	2,452	98.0
Van, motorhome	168	162	96.4	0	0	0.0	2	1	50.0	2	2	100.0	13	12	92.3	150	147	98.0
Pickup truck	631	581	92.1	1	1	100.0	5	3	60.0	17	13	76.5	43	37	86.0	544	527	96.9
Small truck under 10,000 lbs. GVWR	96	79	82.3	0	0	0.0	0	0	0.0	1	1	100.0	3	2	66.7	84	76	90.5
Cycle	37	33	89.2	2	2	100.0	5	5	100.0	15	13	86.7	10	9	90.0	5	4	80.0
Moped	4	3	75.0	1	0	0.0	1	1	100.0	2	2	100.0	0	0	0.0	0	0	0.0
Go 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	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Off-Road Vehicle (ORV) /All-Terrain Vehicle (ATV)	9	7	77.8	1	1	100.0	1	0	0.0	3	3	100.0	3	3	100.0	1	0	0.0
Other	9	2	22.2	0	0	0.0	1	0	0.0	3	1	33.3	1	0	0.0	3	1	33.3
Truck/bus over 10,000 lbs.	58	55	94.8	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0	57	55	96.5
Uncoded & errors	52	5	9.6	0	0	0.0	0	0	0.0	1	1	100.0	0	0	0.0	4	4	100.0
<b>TOTAL</b>	<b>4,055</b>	<b>3,718</b>	<b>91.7</b>	<b>8</b>	<b>5</b>	<b>62.5</b>	<b>51</b>	<b>36</b>	<b>70.6</b>	<b>149</b>	<b>124</b>	<b>83.2</b>	<b>303</b>	<b>278</b>	<b>91.7</b>	<b>3,350</b>	<b>3,266</b>	<b>97.5</b>

**Restraint use among reported vehicle occupants by age**

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	39	31	79.5	1	1	100.0	5	4	80.0	8	6	75.0	19	16	84.2	6	4	66.7
16 - 20	663	628	94.7	0	0	0.0	10	5	50.0	33	27	81.8	61	52	85.2	558	544	97.5
21 - 64	2,854	2,758	96.6	5	3	60.0	27	18	66.7	90	75	83.3	202	191	94.6	2,520	2,463	97.7
65 +	308	299	97.1	2	1	50.0	9	9	100.0	16	15	93.8	21	19	90.5	259	254	98.1
Other/Unknown	191	2	1.0	0	0	0.0	0	0	0.0	2	1	50.0	0	0	0.0	7	1	14.3
<b>TOTAL</b>	<b>4,055</b>	<b>3,718</b>	<b>91.7</b>	<b>8</b>	<b>5</b>	<b>62.5</b>	<b>51</b>	<b>36</b>	<b>70.6</b>	<b>149</b>	<b>124</b>	<b>83.2</b>	<b>303</b>	<b>278</b>	<b>91.7</b>	<b>3,350</b>	<b>3,266</b>	<b>97.5</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Broomfield Twp.	3	1	1	3	0	0	0	0	3
Chippewa Twp.	17	9	8	13	0	0	0	0	13
Clare	1	1	1	1	0	0	1	0	0
Coe Twp.	4	6	4	4	0	0	1	0	3
Coldwater Twp.	0	2	0	0	0	0	0	0	0
Deerfield Twp.	4	3	3	4	0	0	0	0	4
Denver Twp.	3	1	1	3	0	0	0	1	2
Fremont Twp.	2	1	1	2	0	0	0	0	2
Gilmore Twp.	1	1	1	1	0	0	0	0	1
Isabella Twp.	5	4	3	3	0	0	0	0	3
Lincoln Twp.	5	3	2	4	0	0	0	0	4
Mt. Pleasant	66	34	29	40	0	0	1	2	37
Nottawa Twp.	5	7	4	4	0	0	0	0	4
Rolland Twp.	0	0	0	0	0	0	0	0	0
Rosebush	0	2	0	0	0	0	0	0	0
Shepherd	0	0	0	0	0	0	0	0	0
Sherman Twp.	7	0	0	5	0	0	0	0	5
Union Twp.	33	15	13	19	0	0	1	0	18
Vernon Twp.	3	8	3	3	0	0	0	0	3
Village of Lake Isabella	0	0	0	0	0	0	0	0	0
Wise Twp.	2	1	1	2	0	0	0	0	2
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Isabella County TOTAL</b>	<b>161</b>	<b>99</b>	<b>75</b>	<b>111</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>3</b>	<b>104</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Broomfield Twp.	81	0	0	18	3	0	0	1	7	0	0	1
Chippewa Twp.	186	0	0	47	13	0	0	12	32	0	0	12
Clare	10	0	0	1	1	0	0	0	0	0	0	0
Coe Twp.	100	2	2	15	4	1	1	1	19	0	0	2
Coldwater Twp.	40	0	0	8	0	0	0	0	6	0	0	3
Deerfield Twp.	196	0	0	30	4	0	0	4	19	0	0	11
Denver Twp.	39	2	2	7	3	1	1	2	10	1	1	3
Fremont Twp.	74	0	0	7	2	0	0	2	3	0	0	2
Gilmore Twp.	63	0	0	3	1	0	0	1	8	0	0	1
Isabella Twp.	102	0	0	27	3	0	0	2	19	0	0	5
Lincoln Twp.	93	2	2	10	4	0	0	1	18	0	0	0
Mt. Pleasant	811	1	1	176	41	0	0	21	24	1	0	2
Nottawa Twp.	74	0	0	16	4	0	0	1	14	0	0	4
Rolland Twp.	62	0	0	4	0	0	0	0	9	0	0	1
Rosebush	19	0	0	2	0	0	0	0	4	0	0	1
Shepherd	11	0	0	3	0	0	0	0	2	0	0	2
Sherman Twp.	69	0	0	6	5	0	0	4	8	0	0	4
Union Twp.	446	1	1	121	20	0	0	9	59	0	0	13
Vernon Twp.	119	1	1	14	3	0	0	3	15	0	0	3
Village of Lake Isabella	16	0	0	3	0	0	0	0	3	0	0	2
Wise Twp.	80	0	0	12	2	0	0	1	14	0	0	4
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Isabella County TOTAL</b>	<b>2,691</b>	<b>9</b>	<b>9</b>	<b>530</b>	<b>113</b>	<b>2</b>	<b>2</b>	<b>65</b>	<b>293</b>	<b>2</b>	<b>1</b>	<b>76</b>

Restraint use among reported vehicle occupants by municipality

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Broomfield Twp.	98	95	96.9	0	0	0.0	1	0	0.0	8	8	100.0	9	9	100.0	79	78	98.7
Chippewa Twp.	262	232	88.5	0	0	0.0	7	3	42.9	14	10	71.4	25	17	68.0	214	201	93.9
Clare	10	10	100.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	9	9	100.0
Coe Twp.	126	120	95.2	2	2	100.0	1	1	100.0	10	10	100.0	4	4	100.0	106	102	96.2
Coldwater Twp.	48	46	95.8	0	0	0.0	1	1	100.0	0	0	0.0	7	7	100.0	40	38	95.0
Deerfield Twp.	226	218	96.5	0	0	0.0	6	4	66.7	5	4	80.0	19	19	100.0	195	191	97.9
Denver Twp.	47	43	91.5	2	1	50.0	0	0	0.0	1	1	100.0	6	4	66.7	37	36	97.3
Fremont Twp.	81	75	92.6	0	0	0.0	0	0	0.0	3	0	0.0	4	3	75.0	74	72	97.3
Gilmore Twp.	67	65	97.0	0	0	0.0	1	1	100.0	1	1	100.0	1	1	100.0	63	62	98.4
Isabella Twp.	131	123	93.9	0	0	0.0	3	1	33.3	11	10	90.9	13	12	92.3	102	100	98.0
Lincoln Twp.	108	104	96.3	2	0	0.0	2	2	100.0	0	0	0.0	8	8	100.0	96	94	97.9
Mt. Pleasant	1,604	1,409	87.8	0	0	62.5	14	11	78.6	34	25	73.5	106	98	92.5	1,301	1,271	97.7
Nottawa Twp.	87	80	92.0	0	0	0.0	1	1	100.0	6	5	83.3	8	7	87.5	70	67	95.7
Rolland Twp.	65	61	93.8	0	0	0.0	1	1	100.0	0	0	0.0	2	2	100.0	60	58	96.7
Rosebush	24	24	100.0	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0	22	22	100.0
Shepherd	20	17	85.0	0	0	0.0	0	0	0.0	1	1	100.0	2	1	50.0	15	15	100.0
Sherman Twp.	78	72	92.3	0	0	0.0	0	0	0.0	2	1	50.0	4	3	75.0	71	68	95.8
Union Twp.	722	682	94.5	1	1	100.0	10	9	90.0	39	35	89.7	70	68	97.1	577	567	98.3
Vernon Twp.	137	131	95.6	1	1	100.0	2	0	0.0	5	5	100.0	7	7	100.0	121	118	97.5
Village of Lake Isabella	22	21	95.5	0	0	0.0	0	0	0.0	2	2	100.0	1	1	100.0	19	18	94.7
Wise Twp.	92	90	97.8	0	0	0.0	1	1	100.0	7	6	85.7	4	4	100.0	79	79	100.0
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Isabella County TOTAL</b>	<b>4,055</b>	<b>3,718</b>	<b>91.7</b>	<b>8</b>	<b>5</b>	<b>62.5</b>	<b>51</b>	<b>36</b>	<b>70.6</b>	<b>149</b>	<b>124</b>	<b>83.2</b>	<b>303</b>	<b>278</b>	<b>91.7</b>	<b>3,350</b>	<b>3,266</b>	<b>97.5</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	614	2	91	521	2	123
February	519	1	81	437	1	98
March	384	1	59	324	1	74
April	331	0	66	265	0	78
May	383	0	73	310	0	103
June	339	1	60	278	1	80
July	366	2	90	274	2	119
August	291	2	66	223	3	84
September	331	0	57	274	0	78
October	532	2	66	464	2	91
November	642	0	61	581	0	73
December	530	2	73	455	2	89
<b>TOTAL</b>	<b>5,262</b>	<b>13</b>	<b>843</b>	<b>4,406</b>	<b>14</b>	<b>1,090</b>

In Jackson County in 2011 there were:  
5,262 crashes

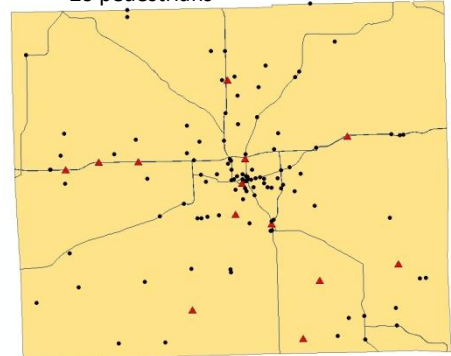
Involving:

9,138 people

9,091 motor vehicle drivers and passengers

27 bicyclists

20 pedestrians



Crashes by most severe injury (mapped/actual)

▲ Fatal (13/13)

● Incapacitating (A) (106/106)

## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	32,694	803	16	4.9	199.3
16 - 20	11,632	8,087	983	845.1	1215.5
21 - 64	93,243	82,661	5,724	613.9	692.5
65 +	22,679	20,526	718	316.6	349.8
Other/Unknown	--	--	430	--	--
<b>TOTAL</b>	<b>160,248</b>	<b>112,077</b>	<b>7,871</b>	<b>491.2</b>	<b>702.3</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	5,874	74.6	10	55.6	1,020	4,844
Van, motorhome	285	3.6	0	0.0	43	242
Pickup truck	1,189	15.1	2	11.1	208	979
Small truck under 10,000 lbs. GVWR	148	1.9	0	0.0	28	120
Cycle	72	0.9	1	5.6	52	19
Moped	8	0.1	1	5.6	6	1
Go Cart	0	0.0	0	0.0	0	0
Snowmobile	1	0.0	0	0.0	0	1
Off-Road Vehicle (ORV) / All-Terrain Vehicle (ATV)	1	0.0	0	0.0	1	0
Other	17	0.2	1	5.6	5	11
Truck/bus over 10,000 lbs.	194	2.5	3	16.7	38	153
Unknown	82	1.0	0	0.0	10	72
<b>TOTAL</b>	<b>7,871</b>	<b>100.0</b>	<b>18</b>	<b>100.0</b>	<b>1,411</b>	<b>6,442</b>

## Jackson County Experience

Jackson County experienced the highest number of fatal crashes (2) in January, July, August, October, and December, and the highest number of persons killed (3) in August.

Jackson County driver statistics indicate 7.2 percent of licensed drivers were age 16-20, and 12.5 percent of drivers in that age group were involved in crashes.

In Jackson County, motorcycles and mopeds accounted for only 1.0 percent of the total vehicles in crashes, but were involved in 11.2 percent of the total fatal crashes.



## Crash Type

	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	2,786	52.9	8	61.5	69	124	164	2,421
Head On	47	0.9	2	15.4	5	7	6	27
Head On - Left Turn	65	1.2	0	0.0	2	8	12	43
Angle	702	13.3	1	7.7	14	47	95	545
Rear End	937	17.8	2	15.4	11	50	138	736
Rear End - Left Turn	53	1.0	0	0.0	0	2	15	36
Rear End - Right Turn	30	0.6	0	0.0	0	1	3	26
Sideswipe - Same Direction	331	6.3	0	0.0	2	9	18	302
Sideswipe - Opposite Direct	107	2.0	0	0.0	3	5	9	90
Other/Unknown	204	3.9	0	0.0	0	6	18	180
<b>Total</b>	<b>5,262</b>	<b>100.0</b>	<b>13</b>	<b>100.0</b>	<b>106</b>	<b>259</b>	<b>478</b>	<b>4,406</b>

## Relationship to Roadway

Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	4,262	81.0	7	53.8	64	175	343	3,673
Median	76	1.4	0	0.0	0	6	11	59
Shoulder	316	6.0	2	15.4	12	21	38	243
Outside of Shoulder/Curb	464	8.8	2	15.4	27	46	70	319
Gore	23	0.4	1	7.7	1	3	3	15
Other/Unknown	121	2.3	1	7.7	2	8	13	97
<b>Total</b>	<b>5,262</b>	<b>100.0</b>	<b>13</b>	<b>100.0</b>	<b>106</b>	<b>259</b>	<b>478</b>	<b>4,406</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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	1	1	1	0	0	1	0	0
16 - 20	26	25	18	19	2	1	3	4	9
21 - 64	181	166	141	150	14	12	38	29	57
65 +	6	10	4	4	1	0	1	1	1
Other/Unknown	12	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>226</b>	<b>202</b>	<b>164</b>	<b>174</b>	<b>17</b>	<b>13</b>	<b>43</b>	<b>34</b>	<b>67</b>

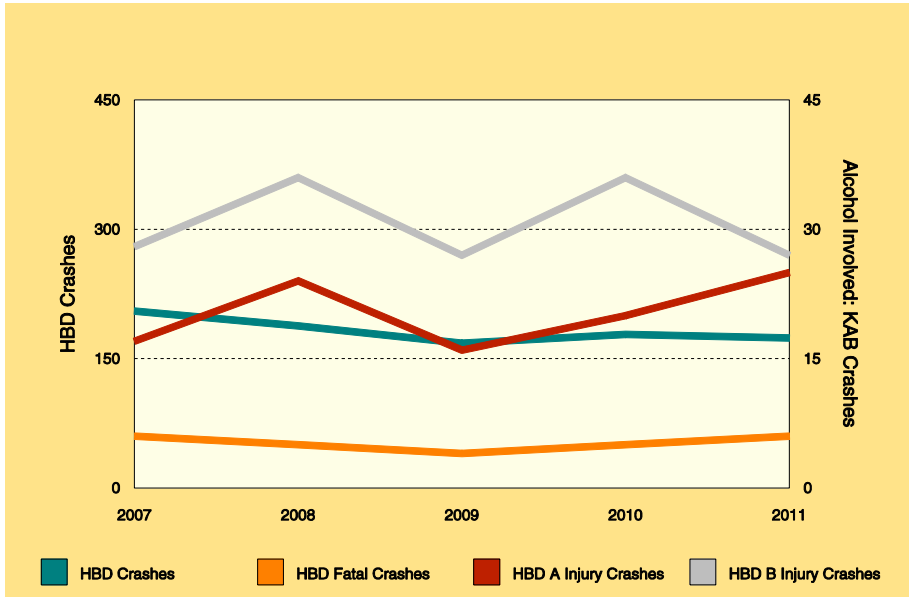
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

JACKSON	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	6,161	205	3.3	23	6	26.1	102	17	16.7	273	28	10.3
2008	6,262	188	3.0	15	5	33.3	104	24	23.1	235	36	15.3
2009	5,583	168	3.0	12	4	33.3	110	16	14.6	202	27	13.4
2010	5,455	178	3.3	20	5	25.0	124	20	16.1	247	36	14.6
2011	5,262*	174	3.3	13	6	46.2	106	25**	23.6	259	27	10.4

\* Lowest number reported in the 5-year period. \*\* Highest number reported in the 5-year period.

## Restraint use among reported vehicle occupants by vehicle type

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	6,081	5,527	90.9	9	7	77.8	68	49	72.1	217	202	93.1	496	464	93.5	4,996	4,780	95.7
Van, motorhome	296	276	93.2	0	0	0.0	1	1	100.0	8	5	62.5	17	16	94.1	262	254	96.9
Pickup truck	1,225	1,099	89.7	1	0	0.0	15	9	60.0	42	35	83.3	75	69	92.0	1,037	984	94.9
Small truck under 10,000 lbs. GVWR	156	145	92.9	0	0	0.0	4	2	50.0	2	2	100.0	18	17	94.4	126	123	97.6
Cycle	83	75	90.4	1	1	100.0	19	19	100.0	30	25	83.3	11	10	90.9	21	20	95.2
Moped	8	3	37.5	1	0	0.0	5	2	40.0	0	0	0.0	1	1	100.0	1	0	0.0
Go 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	1	1	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0
Off-Road Vehicle (ORV) /All-Terrain Vehicle (ATV)	1	0	0.0	0	0	0.0	1	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Other	18	8	44.4	0	0	0.0	0	0	0.0	1	0	0.0	2	2	100.0	13	6	46.2
Truck/bus over 10,000 lbs.	199	180	90.5	1	1	100.0	5	4	80.0	6	4	66.7	7	5	71.4	173	166	96.0
Uncoded & errors	82	7	8.5	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	13	7	53.8
<b>TOTAL</b>	<b>8,150</b>	<b>7,321</b>	<b>89.8</b>	<b>13</b>	<b>9</b>	<b>69.2</b>	<b>118</b>	<b>86</b>	<b>72.9</b>	<b>306</b>	<b>273</b>	<b>89.2</b>	<b>627</b>	<b>584</b>	<b>93.1</b>	<b>6,643</b>	<b>6,341</b>	<b>95.5</b>

## Restraint use among reported vehicle occupants by age

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	83	75	90.4	0	0	0.0	6	4	66.7	21	18	85.7	45	43	95.6	11	10	90.9
16 - 20	1,026	960	93.6	2	2	100.0	11	7	63.6	59	50	84.7	87	78	89.7	860	817	95.0
21 - 64	5,867	5,574	95.0	10	7	70.0	95	70	73.7	198	180	90.9	438	408	93.2	5,108	4,894	95.8
65 +	743	709	95.4	1	0	0.0	6	5	83.3	28	25	89.3	56	54	96.4	647	620	95.8
Other/Unknown	431	3	0.7	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	17	0	0.0
<b>TOTAL</b>	<b>8,150</b>	<b>7,321</b>	<b>89.8</b>	<b>13</b>	<b>9</b>	<b>69.2</b>	<b>118</b>	<b>86</b>	<b>72.9</b>	<b>306</b>	<b>273</b>	<b>89.2</b>	<b>627</b>	<b>584</b>	<b>93.1</b>	<b>6,643</b>	<b>6,341</b>	<b>95.5</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Blackman Twp.	14	17	11	11	0	1	2	3	14
Brooklyn	5	3	2	3	0	0	0	1	0
Cement City	0	0	0	0	0	0	0	0	0
Columbia Twp.	11	13	9	9	2	0	1	1	1
Concord	1	1	1	1	0	0	0	0	0
Concord Twp.	3	3	3	3	0	0	1	0	3
Grass Lake	2	1	1	2	0	0	0	0	0
Grass Lake Twp.	15	12	12	12	0	3	2	1	2
Hanover	0	0	0	0	0	1	1	0	0
Hanover Twp.	5	4	3	4	0	1	0	0	1
Henrietta Twp.	12	10	9	10	0	0	2	1	4
Jackson	43	33	27	28	0	0	0	3	35
Leoni Twp.	23	22	16	17	0	0	2	0	14
Liberty Twp.	7	7	6	7	1	0	2	0	6
Napoleon Twp.	4	5	3	3	0	0	3	0	5
Norvell Twp	6	7	5	5	1	0	1	0	1
Parma	0	0	0	0	0	0	0	0	0
Parma Twp.	7	7	6	6	1	0	1	0	1
Pulaski Twp.	4	4	4	4	0	1	0	0	4
Rives Twp.	11	7	7	8	0	0	3	3	1
Sandstone Twp.	16	12	11	11	1	0	1	0	1
Spring Arbor Twp.	5	6	3	4	1	0	2	2	4
Springport	0	1	0	0	0	0	0	0	0
Springport Twp.	2	3	2	2	0	0	0	1	1
Summit Twp.	23	18	17	18	2	1	0	4	4
Tomkins Twp.	6	5	5	5	1	1	3	1	3
Waterloo Twp.	1	1	1	1	2	1	0	0	2
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Jackson County TOTAL</b>	<b>226</b>	<b>202</b>	<b>164</b>	<b>174</b>	<b>12</b>	<b>10</b>	<b>27</b>	<b>21</b>	<b>107</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Blackman Twp.	781	1	1	177	11	0	0	6	109	0	0	24
Brooklyn	27	0	0	5	3	0	0	0	3	0	0	1
Cement City	1	0	0	0	0	0	0	0	0	0	0	0
Columbia Twp.	174	1	1	38	9	1	1	7	23	1	1	11
Concord	16	0	0	4	1	0	0	3	0	0	0	0
Concord Twp.	102	0	0	18	3	0	0	2	10	0	0	5
Grass Lake	18	0	0	2	2	0	0	0	1	0	0	1
Grass Lake Twp.	200	0	0	39	11	0	0	5	28	0	0	6
Hanover	6	0	0	1	0	0	0	0	1	0	0	1
Hanover Twp.	108	0	0	22	4	0	0	1	14	0	0	5
Henrietta Twp.	102	0	0	18	10	0	0	8	14	0	0	5
Jackson	1,187	2	2	277	28	1	1	15	26	0	0	4
Leoni Twp.	548	1	1	113	18	0	0	3	109	0	0	20
Liberty Twp.	159	1	1	24	7	1	1	2	18	1	1	5
Napoleon Twp.	125	1	1	19	3	1	1	1	11	0	0	2
Norvell Twp	76	1	1	14	5	0	0	0	14	0	0	4
Parma	7	0	0	1	0	0	0	0	0	0	0	0
Parma Twp.	169	2	2	41	6	1	1	5	37	2	2	15
Pulaski Twp.	62	0	0	13	4	0	0	5	6	0	0	3
Rives Twp.	182	1	2	42	8	0	0	8	34	0	0	16
Sandstone Twp.	232	1	1	45	11	0	0	4	59	0	0	13
Spring Arbor Twp.	291	0	0	48	4	0	0	1	12	0	0	3
Springport	7	0	0	1	0	0	0	0	0	0	0	0
Springport Twp.	63	0	0	6	2	0	0	2	2	0	0	2
Summit Twp.	438	1	1	91	18	1	1	11	53	0	0	9
Tomkins Twp.	97	0	0	20	5	0	0	3	17	0	0	7
Waterloo Twp.	84	0	0	11	1	0	0	0	13	0	0	5
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Jackson County TOTAL</b>	<b>5,262</b>	<b>13</b>	<b>14</b>	<b>1,090</b>	<b>174</b>	<b>6</b>	<b>6</b>	<b>92</b>	<b>614</b>	<b>4</b>	<b>4</b>	<b>167</b>

Restraint use among reported vehicle occupants by municipality

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Blackman Twp.	1,285	1,188	92.5	0	0	0.0	10	10	100.0	40	34	85.0	119	112	94.1	1,061	1,019	96.0
Brooklyn	47	41	87.2	0	0	0.0	0	0	0.0	0	0	0.0	3	3	100.0	42	38	90.5
Cement City	1	1	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0
Columbia Twp.	220	205	93.2	1	1	100.0	5	2	40.0	16	15	93.8	17	16	94.1	180	171	95.0
Concord	28	26	92.9	0	0	0.0	1	0	0.0	1	1	100.0	2	2	100.0	24	23	95.8
Concord Twp.	123	116	94.3	0	0	0.0	0	0	0.0	4	2	50.0	14	14	100.0	104	100	96.2
Grass Lake	28	28	100.0	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0	26	26	100.0
Grass Lake Twp.	262	227	86.6	0	0	0.0	4	2	50.0	17	14	82.4	18	17	94.4	216	194	89.8
Hanover	9	8	88.9	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	7	7	100.0
Hanover Twp.	140	136	97.1	0	0	0.0	3	2	66.7	8	7	87.5	11	11	100.0	117	116	99.1
Henrietta Twp.	119	98	82.4	0	0	0.0	4	2	50.0	4	3	75.0	9	6	66.7	98	87	88.8
Jackson	2,381	1,975	82.9	2	1	50.0	30	20	66.7	74	69	93.2	154	138	89.6	1,844	1,744	94.6
Leoni Twp.	835	780	93.4	1	1	100.0	13	9	69.2	23	20	87.0	74	70	94.6	690	668	96.8
Liberty Twp.	192	180	93.8	1	1	100.0	2	1	50.0	10	9	90.0	12	12	100.0	162	157	96.9
Napoleon Twp.	178	168	94.4	1	1	100.0	0	0	100.0	7	6	85.7	12	12	100.0	157	149	94.9
Norvell Twp.	93	85	91.4	1	1	100.0	6	6	100.0	5	4	80.0	3	3	100.0	74	71	95.9
Parma	10	8	80.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	8	7	87.5
Parma Twp.	230	203	88.3	2	0	0.0	11	7	63.6	13	13	100.0	17	15	88.2	176	168	95.5
Pulaski Twp.	72	66	91.7	0	0	0.0	2	2	100.0	6	2	33.3	5	4	80.0	59	58	98.3
Rives Twp.	223	214	96.0	2	1	50.0	6	6	100.0	12	12	100.0	24	24	100.0	176	171	97.2
Sandstone Twp.	303	293	96.7	1	1	100.0	6	6	100.0	11	11	100.0	28	27	96.4	255	248	97.3
Spring Arbor Twp.	411	384	93.4	0	0	0.0	2	2	100.0	13	13	100.0	32	30	93.8	359	339	94.4
Springport	11	8	72.7	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	8	8	100.0
Springport Twp.	66	62	93.9	0	0	0.0	0	0	0.0	5	3	60.0	1	1	100.0	59	58	98.3
Summit Twp.	673	622	92.4	1	1	100.0	12	9	75.0	24	22	91.7	51	48	94.1	565	542	95.9
Tomkins Twp.	114	107	93.9	0	0	0.0	1	0	0.0	8	8	100.0	11	9	81.8	94	90	95.7
Waterloo Twp.	96	92	95.8	0	0	0.0	0	0	0.0	5	5	100.0	6	6	100.0	81	81	100.0
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Jackson County TOTAL</b>	<b>8,150</b>	<b>7,321</b>	<b>89.8</b>	<b>13</b>	<b>9</b>	<b>69.2</b>	<b>118</b>	<b>86</b>	<b>72.9</b>	<b>306</b>	<b>273</b>	<b>89.2</b>	<b>627</b>	<b>584</b>	<b>93.1</b>	<b>6,643</b>	<b>6,341</b>	<b>95.5</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	952	3	141	808	3	180
February	670	0	88	582	0	106
March	513	1	90	422	1	115
April	493	1	82	410	1	111
May	618	4	108	506	4	133
June	574	2	135	437	3	175
July	516	3	115	398	3	152
August	494	1	132	361	1	175
September	677	2	123	552	2	167
October	749	2	127	620	3	172
November	879	2	131	746	2	165
December	665	3	94	568	3	145
<b>TOTAL</b>	<b>7,800</b>	<b>24</b>	<b>1,366</b>	<b>6,410</b>	<b>26</b>	<b>1,796</b>

In Kalamazoo County in 2011 there were:  
**7,800** crashes

Involving:

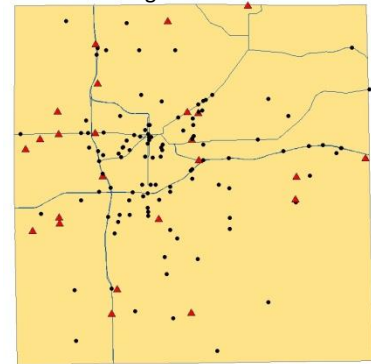
**16,296** people

**16,146** motor vehicle drivers and passengers

**77** bicyclists

**70** pedestrians

**3** train engineers



Crashes by most severe injury (mapped/actual)

▲ Fatal (24/24)

● Incapacitating (A) (112/112)

## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	50,368	1,303	17	3.4	130.5
16 - 20	22,472	12,735	1,873	833.5	1470.7
21 - 64	146,711	134,225	9,588	653.5	714.3
65 +	30,780	27,633	1,066	346.3	385.8
Other/Unknown	--	--	915	--	--
<b>TOTAL</b>	<b>250,331</b>	<b>175,896</b>	<b>13,459</b>	<b>537.6</b>	<b>765.2</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	10,509	78.1	22	59.5	1,900	8,587
Van, motorhome	644	4.8	1	2.7	125	518
Pickup truck	1,400	10.4	8	21.6	229	1,163
Small truck under 10,000 lbs. GVWR	240	1.8	0	0.0	38	202
Cycle	78	0.6	3	8.1	59	16
Moped	16	0.1	0	0.0	12	4
Go Cart	2	0.0	0	0.0	0	2
Snowmobile	0	0.0	0	0.0	0	0
Off-Road Vehicle (ORV) / All-Terrain Vehicle (ATV)	3	0.0	0	0.0	2	1
Other	45	0.3	0	0.0	8	37
Truck/bus over 10,000 lbs.	332	2.5	3	8.1	61	268
Unknown	190	1.4	0	0.0	12	178
<b>TOTAL</b>	<b>13,459</b>	<b>100.0</b>	<b>37</b>	<b>100.0</b>	<b>2,446</b>	<b>10,976</b>

## Kalamazoo County Experience

Kalamazoo County experienced the highest number of fatal crashes (4) and the highest number of persons killed (4) in May.

Kalamazoo County driver statistics indicate 7.2 percent of licensed drivers were age 16-20, and 13.9 percent of drivers in that age group were involved in crashes.

In Kalamazoo County, motorcycles accounted for only 0.6 percent of the total vehicles in crashes, but were involved in 8.1 percent of the total fatal crashes.



## Crash Type

	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	2,524	32.4	11	45.8	45	129	239	2,100
Head On	83	1.1	2	8.3	6	7	23	45
Head On - Left Turn	222	2.8	2	8.3	4	20	43	153
Angle	1,237	15.9	6	25.0	32	61	221	917
Rear End	2,262	29.0	2	8.3	14	40	340	1,866
Rear End - Left Turn	84	1.1	0	0.0	0	2	11	71
Rear End - Right Turn	88	1.1	0	0.0	0	0	6	82
Sideswipe - Same Direction	779	10.0	0	0.0	3	18	25	733
Sideswipe - Opposite Direct	127	1.6	0	0.0	2	4	11	110
Other/Unknown	394	5.1	1	4.2	6	14	40	333
<b>Total</b>	<b>7,800</b>	<b>100.0</b>	<b>24</b>	<b>100.0</b>	<b>112</b>	<b>295</b>	<b>959</b>	<b>6,410</b>

## Relationship to Roadway

Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	6,529	83.7	17	70.8	85	219	805	5,403
Median	67	0.9	0	0.0	0	7	8	52
Shoulder	429	5.5	2	8.3	10	22	40	355
Outside of Shoulder/Curb	607	7.8	4	16.7	16	40	86	461
Gore	49	0.6	0	0.0	0	3	6	40
Other/Unknown	119	1.5	1	4.2	1	4	14	99
<b>Total</b>	<b>7,800</b>	<b>100.0</b>	<b>24</b>	<b>100.0</b>	<b>112</b>	<b>295</b>	<b>959</b>	<b>6,410</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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	50	40	27	33	0	3	11	9	10
21 - 64	356	258	215	257	0	23	61	97	76
65 +	13	12	8	8	0	2	3	3	0
Other/Unknown	15	1	0	1	0	0	0	0	1
<b>TOTAL</b>	<b>434</b>	<b>311</b>	<b>250</b>	<b>299</b>	<b>0</b>	<b>28</b>	<b>75</b>	<b>109</b>	<b>87</b>

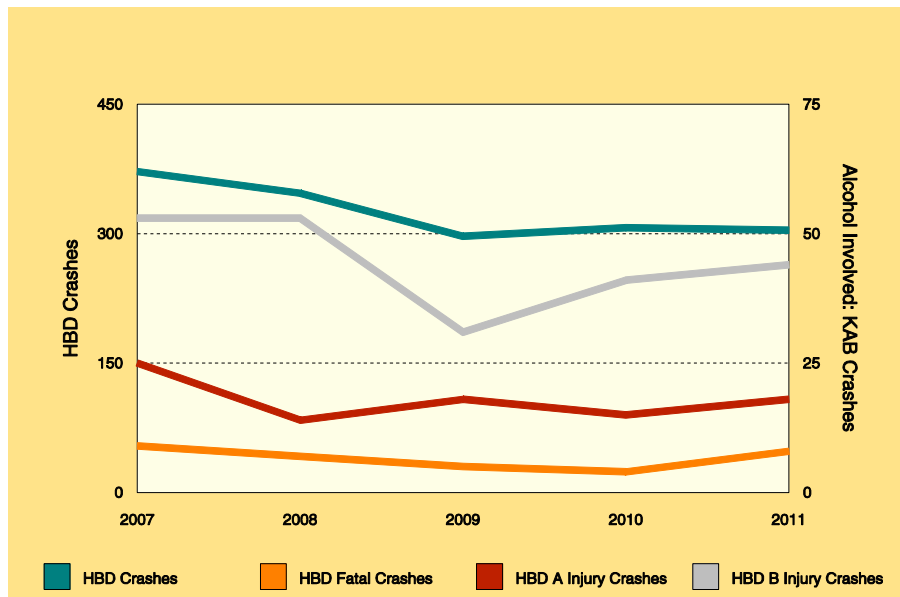
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

KALAMAZOO	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	8,871	372	4.2	24	9	37.5	158	25	15.8	408	53	13.0
2008	9,134	347	3.8	28	7	25.0	120	14	11.7	401	53	13.2
2009	8,191	297	3.6	16	5	31.3	105	18	17.1	297	31	10.4
2010	7,968	307	3.9	20	4	20.0	100	15	15.0	336	41	12.2
2011	7,800*	304	3.9	24	8	33.3	112	18	16.1	295*	44	14.9

\* Lowest number reported in the 5-year period.

**Restraint use among reported vehicle occupants by vehicle type**

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	10,856	9,941	91.6	18	13	72.2	83	62	74.7	234	202	86.3	999	941	94.2	9,046	8,718	96.4
Van, motorhome	681	630	92.5	0	0	0.0	11	9	81.8	21	17	81.0	66	58	87.9	562	545	97.0
Pickup truck	1,438	1,294	90.0	2	2	100.0	8	8	100.0	32	26	81.3	104	90	86.5	1,219	1,167	95.7
Small truck under 10,000 lbs. GVWR	245	220	89.8	0	0	0.0	0	0	0.0	4	3	75.0	13	12	92.3	223	205	91.9
Cycle	80	77	96.3	3	3	100.0	14	14	100.0	24	23	95.8	23	22	95.7	15	15	100.0
Moped	16	8	50.0	0	0	0.0	3	2	66.7	7	2	28.6	2	2	100.0	4	2	50.0
Go Cart	2	2	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0
Snowmobile	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Off-Road Vehicle (ORV) /All-Terrain Vehicle (ATV)	3	1	33.3	0	0	0.0	0	0	0.0	1	1	100.0	1	0	0.0	1	0	0.0
Other	45	22	48.9	0	0	0.0	1	0	0.0	1	0	0.0	2	1	50.0	31	21	67.7
Truck/bus over 10,000 lbs.	342	315	92.1	0	0	0.0	1	1	100.0	2	2	100.0	19	10	52.6	310	301	97.1
Uncoded & errors	190	2	1.1	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0	7	2	28.6
<b>TOTAL</b>	<b>13,898</b>	<b>12,512</b>	<b>90.0</b>	<b>23</b>	<b>18</b>	<b>78.3</b>	<b>121</b>	<b>96</b>	<b>79.3</b>	<b>326</b>	<b>276</b>	<b>84.7</b>	<b>1,230</b>	<b>1,136</b>	<b>92.4</b>	<b>11,420</b>	<b>10,978</b>	<b>96.1</b>

**Restraint use among reported vehicle occupants by age**

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	128	99	77.3	0	0	0.0	8	2	25.0	17	15	88.2	90	72	80.0	13	10	76.9
16 - 20	1,960	1,887	96.3	1	0	0.0	20	13	65.0	63	49	77.8	185	163	88.1	1,691	1,662	98.3
21 - 64	9,805	9,437	96.2	16	13	81.3	89	77	86.5	221	190	86.0	853	806	94.5	8,617	8,350	96.9
65 +	1,090	1,064	97.6	6	5	83.3	4	4	100.0	25	22	88.0	99	95	96.0	955	938	98.2
Other/Unknown	915	25	2.7	0	0	0.0	0	0	0.0	0	0	0.0	3	0	0.0	144	18	12.5
<b>TOTAL</b>	<b>13,898</b>	<b>12,512</b>	<b>90.0</b>	<b>23</b>	<b>18</b>	<b>78.3</b>	<b>121</b>	<b>96</b>	<b>79.3</b>	<b>326</b>	<b>276</b>	<b>84.7</b>	<b>1,230</b>	<b>1,136</b>	<b>92.4</b>	<b>11,420</b>	<b>10,978</b>	<b>96.1</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Alamo Twp.	10	11	6	8	0	0	3	4	1
Augusta	0	0	0	0	0	0	0	0	0
Brady Twp.	6	4	4	4	0	1	0	3	0
Charleston Twp.	14	8	7	9	0	1	2	3	3
Climax	0	0	0	0	0	0	0	0	0
Climax Twp.	2	4	2	2	0	0	1	1	0
Comstock Twp.	37	25	22	25	0	4	8	11	2
Cooper Twp.	5	7	4	5	0	0	2	2	1
Galesburg	4	2	2	2	0	0	1	1	0
Kalamazoo	165	109	89	106	0	9	22	33	42
Kalamazoo Twp.	27	22	16	19	0	2	5	5	7
Oshtemo Twp.	34	22	18	25	0	4	7	8	6
Parchment	2	0	0	1	0	0	0	0	1
Pavilion Twp.	4	2	2	3	0	0	1	0	2
Portage	54	45	35	36	0	0	12	17	7
Prairie Ronde Twp.	6	4	4	4	0	0	0	2	2
Richland	1	1	1	1	0	0	0	1	0
Richland Twp.	15	8	6	11	0	1	2	3	5
Ross Twp.	7	6	5	6	0	2	2	1	1
Schoolcraft	1	2	1	1	0	0	0	1	0
Schoolcraft Twp.	9	7	6	8	0	0	2	3	3
Texas Twp.	19	15	13	16	0	1	2	10	3
Vicksburg	11	6	6	6	0	2	3	0	1
Wakeshma Twp.	1	1	1	1	0	1	0	0	0
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Kalamazoo County TOTAL</b>	<b>434</b>	<b>311</b>	<b>250</b>	<b>299</b>	<b>0</b>	<b>28</b>	<b>75</b>	<b>109</b>	<b>87</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Alamo Twp.	158	2	2	36	8	0	0	7	37	1	1	5
Augusta	7	0	0	3	0	0	0	0	0	0	0	0
Brady Twp.	79	0	0	28	4	0	0	1	10	0	0	3
Charleston Twp.	173	2	2	53	9	0	0	4	44	0	0	11
Climax	2	0	0	0	0	0	0	0	1	0	0	0
Climax Twp.	42	1	1	4	2	0	0	2	6	0	0	1
Comstock Twp.	495	2	2	140	26	0	0	16	98	1	1	11
Cooper Twp.	172	1	1	48	5	0	0	3	42	0	0	16
Galesburg	22	0	0	3	2	0	0	1	1	0	0	0
Kalamazoo	2,908	1	1	612	110	1	1	56	146	1	1	23
Kalamazoo Twp.	427	2	2	94	19	1	1	8	49	1	1	10
Oshtemo Twp.	763	5	6	211	25	4	5	12	138	2	3	24
Parchment	28	0	0	12	1	0	0	1	3	0	0	0
Pavilion Twp.	98	0	0	20	3	0	0	0	25	0	0	9
Portage	1,468	1	1	326	37	0	0	22	150	0	0	28
Prairie Ronde Twp.	55	0	0	19	4	0	0	4	6	0	0	0
Richland	25	0	0	4	1	0	0	0	0	0	0	0
Richland Twp.	208	1	1	49	11	0	0	4	36	1	1	10
Ross Twp.	133	0	0	15	6	0	0	4	21	0	0	4
Schoolcraft	44	1	1	15	1	0	0	0	1	0	0	0
Schoolcraft Twp.	147	1	1	34	8	0	0	4	26	0	0	7
Texas Twp.	273	3	4	60	15	2	3	9	58	0	0	13
Vicksburg	40	1	1	6	6	0	0	2	2	0	0	1
Wakeshma Twp.	33	0	0	4	1	0	0	1	4	0	0	0
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Kalamazoo County TOTAL</b>	<b>7,800</b>	<b>24</b>	<b>26</b>	<b>1,796</b>	<b>304</b>	<b>8</b>	<b>10</b>	<b>161</b>	<b>904</b>	<b>7</b>	<b>8</b>	<b>176</b>

Restraint use among reported vehicle occupants by municipality

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Alamo Twp.	208	187	89.9	2	2	100.0	1	1	100.0	10	7	70.0	23	19	82.6	165	158	95.8
Augusta	11	11	100.0	0	0	0.0	0	0	0.0	1	1	100.0	1	1	100.0	9	9	100.0
Brady Twp.	108	102	94.4	0	0	0.0	3	3	100.0	4	4	100.0	21	21	100.0	78	74	94.9
Charleston Twp.	267	248	92.9	2	2	100.0	11	8	72.7	11	9	81.8	31	30	96.8	204	199	97.5
Climax	2	2	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0
Climax Twp.	45	43	95.6	1	0	0.0	1	1	100.0	3	3	100.0	0	0	0.0	40	39	97.5
Comstock Twp.	851	785	92.2	2	1	50.0	23	19	82.6	35	28	80.0	78	70	89.7	688	667	96.9
Cooper Twp.	231	215	93.1	1	1	100.0	4	4	100.0	12	11	91.7	29	28	96.6	176	171	97.2
Galesburg	41	35	85.4	0	0	0.0	0	0	0.0	0	0	0.0	3	3	100.0	34	32	94.1
Kalamazoo	5,708	4,861	85.2	1	0	0.0	28	17	60.7	96	75	78.1	406	359	88.4	4,676	4,404	94.2
Kalamazoo Twp.	797	722	90.6	2	2	100.0	3	3	100.0	14	13	92.9	71	66	93.0	666	638	95.8
Oshtemo Twp.	1,386	1,312	94.7	6	6	100.0	9	7	77.8	26	22	84.6	173	162	93.6	1,131	1,115	98.6
Parchment	52	46	88.5	0	0	0.0	1	1	100.0	0	0	0.0	10	8	80.0	40	37	92.5
Pavilion Twp.	114	105	92.1	0	0	0.0	5	4	80.0	6	6	100.0	9	9	100.0	90	86	95.6
Portage	2,679	2,536	94.7	1	1	100.0	22	21	95.5	61	57	93.4	227	220	96.9	2,276	2,237	98.3
Prairie Ronde Twp.	75	71	94.7	0	0	0.0	2	2	100.0	3	3	100.0	14	13	92.9	56	53	94.6
Richland	50	49	98.0	0	0	0.0	0	0	0.0	0	0	0.0	4	3	75.0	46	46	100.0
Richland Twp.	283	271	95.8	1	0	0.0	1	0	0.0	12	12	100.0	35	34	97.1	229	225	98.3
Ross Twp.	162	152	93.8	0	0	0.0	1	1	100.0	4	3	75.0	10	8	80.0	144	140	97.2
Schoolcraft	90	83	92.2	0	0	0.0	0	0	0.0	3	2	66.7	12	11	91.7	72	70	97.2
Schoolcraft Twp.	202	189	93.6	1	0	0.0	2	1	50.0	6	5	83.3	26	25	96.2	164	158	96.3
Texas Twp.	430	401	93.3	3	3	100.0	3	2	66.7	15	13	86.7	42	41	97.6	345	340	98.6
Vicksburg	66	50	75.8	0	0	0.0	1	1	100.0	2	1	50.0	3	3	100.0	54	45	83.3
Wakeshma Twp.	40	36	90.0	0	0	0.0	0	0	0.0	2	1	50.0	2	2	100.0	35	33	94.3
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Kalamazoo County TOTAL</b>	<b>13,898</b>	<b>12,512</b>	<b>90.0</b>	<b>23</b>	<b>18</b>	<b>78.3</b>	<b>121</b>	<b>96</b>	<b>79.3</b>	<b>326</b>	<b>276</b>	<b>84.7</b>	<b>1,230</b>	<b>1,136</b>	<b>92.4</b>	<b>11,420</b>	<b>10,978</b>	<b>96.1</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	92	2	12	78	2	18
February	37	0	3	34	0	3
March	32	1	4	27	1	4
April	38	0	7	31	0	8
May	19	1	4	14	1	6
June	48	0	8	40	0	9
July	46	0	12	34	0	19
August	31	0	8	23	0	9
September	43	0	11	32	0	11
October	65	1	5	59	1	9
November	71	0	8	63	0	13
December	80	0	11	69	0	25
<b>TOTAL</b>	<b>602</b>	<b>5</b>	<b>93</b>	<b>504</b>	<b>5</b>	<b>134</b>

In Kalkaska County in 2011 there were:  
602 crashes

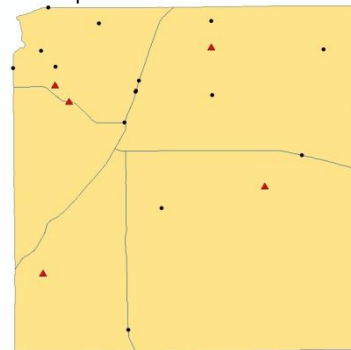
Involving:

1,040 people

1,037 motor vehicle drivers and passengers

2 bicyclists

1 pedestrian



Crashes by most severe injury (mapped/actual)

▲ Fatal (5/5)

● Incapacitating (A) (16/16)

## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	3,431	88	5	14.6	568.2
16 - 20	1,007	821	86	854.0	1047.5
21 - 64	9,878	9,552	593	600.3	620.8
65 +	2,837	2,849	84	296.1	294.8
Other/Unknown	--	--	14	--	--
<b>TOTAL</b>	<b>17,153</b>	<b>13,310</b>	<b>782</b>	<b>455.9</b>	<b>587.5</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	540	69.1	5	62.5	84	451
Van, motorhome	29	3.7	0	0.0	6	23
Pickup truck	153	19.6	1	12.5	26	126
Small truck under 10,000 lbs. GVWR	15	1.9	0	0.0	1	14
Cycle	8	1.0	0	0.0	7	1
Moped	0	0.0	0	0.0	0	0
Go Cart	0	0.0	0	0.0	0	0
Snowmobile	6	0.8	2	25.0	4	0
Off-Road Vehicle (ORV) / All-Terrain Vehicle (ATV)	5	0.6	0	0.0	5	0
Other	2	0.3	0	0.0	0	2
Truck/bus over 10,000 lbs.	19	2.4	0	0.0	3	16
Unknown	5	0.6	0	0.0	0	5
<b>TOTAL</b>	<b>782</b>	<b>100.0</b>	<b>8</b>	<b>100.0</b>	<b>136</b>	<b>638</b>

## Kalkaska County Experience

Kalkaska County experienced the highest number of fatal crashes (2) and the highest number of persons killed (2) in January.

Kalkaska County driver statistics indicate 6.2 percent of licensed drivers were age 16-20, and 11.0 percent of drivers in that age group were involved in crashes.

In Kalkaska County, snowmobiles accounted for only 0.8 percent of the total vehicles in crashes, but were involved in 25.0 percent of the total fatal crashes.



## Crash Type

	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	433	71.9	3	60.0	9	10	37	374
Head On	6	1.0	1	20.0	0	1	0	4
Head On - Left Turn	3	0.5	0	0.0	0	0	0	3
Angle	72	12.0	1	20.0	3	5	10	53
Rear End	34	5.6	0	0.0	2	2	4	26
Rear End - Left Turn	8	1.3	0	0.0	0	1	0	7
Rear End - Right Turn	2	0.3	0	0.0	0	0	0	2
Sideswipe - Same Direction	12	2.0	0	0.0	0	1	1	10
Sideswipe - Opposite Direct	17	2.8	0	0.0	0	1	3	13
Other/Unknown	15	2.5	0	0.0	2	1	0	12
<b>Total</b>	<b>602</b>	<b>100.0</b>	<b>5</b>	<b>100.0</b>	<b>16</b>	<b>22</b>	<b>55</b>	<b>504</b>

## Relationship to Roadway

Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	433	71.9	2	40.0	8	14	26	383
Median	0	0.0	0	0.0	0	0	0	0
Shoulder	50	8.3	0	0.0	3	2	8	37
Outside of Shoulder/Curb	103	17.1	3	60.0	4	6	17	73
Gore	3	0.5	0	0.0	0	0	1	2
Other/Unknown	13	2.2	0	0.0	1	0	3	9
<b>Total</b>	<b>602</b>	<b>100.0</b>	<b>5</b>	<b>100.0</b>	<b>16</b>	<b>22</b>	<b>55</b>	<b>504</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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	3	2	2	3	0	0	0	0	3
21 - 64	29	27	18	20	0	2	2	1	15
65 +	0	1	0	0	0	0	0	0	0
Other/Unknown	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>32</b>	<b>30</b>	<b>20</b>	<b>23</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>18</b>

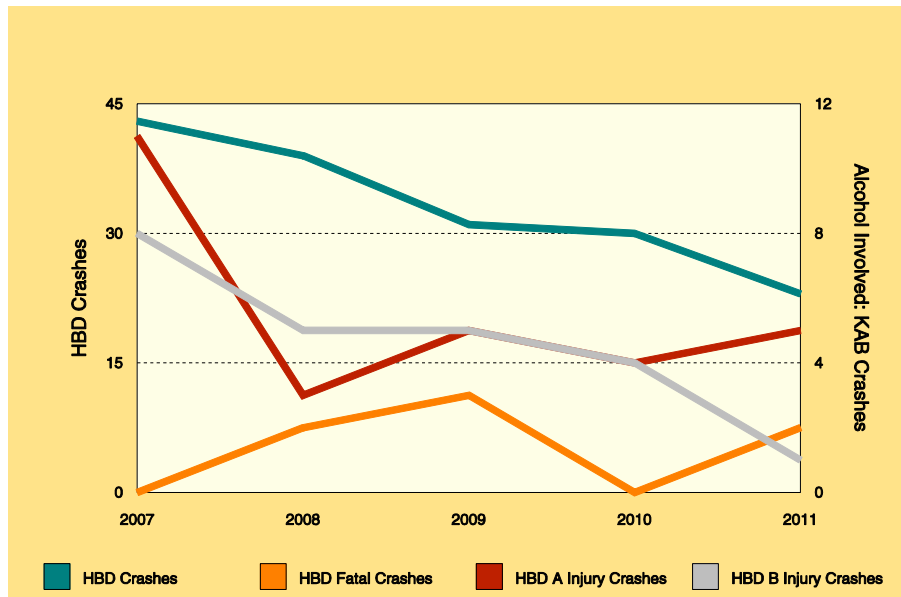
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

KALKASKA	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	721	43	6.0	3	0	0.0	30	11	36.7	38	8	21.1
2008	663	39	5.9	9	2	22.2	18	3	16.7	25	5	20.0
2009	653	31	4.8	5	3	60.0	23	5	21.7	30	5	16.7
2010	512	30	5.9	3	0	0.0	21	4	19.1	28	4	14.3
2011	602	23*	3.8	5	2	40.0	16*	5	31.3	22*	1*	4.5

\* Lowest number reported in the 5-year period.

**Restraint use among reported vehicle occupants by vehicle type**

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	566	535	94.5	3	2	66.7	9	7	77.8	18	18	100.0	54	46	85.2	479	462	96.5
Van, motorhome	29	28	96.6	0	0	0.0	1	1	100.0	0	0	0.0	3	3	100.0	24	24	100.0
Pickup truck	163	152	93.3	0	0	0.0	3	1	33.3	5	1	20.0	20	19	95.0	134	131	97.8
Small truck under 10,000 lbs. GVWR	16	14	87.5	0	0	0.0	1	0	0.0	1	0	0.0	0	0	0.0	14	14	100.0
Cycle	9	9	100.0	0	0	0.0	1	1	100.0	4	4	100.0	2	2	100.0	2	2	100.0
Moped	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	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	6	6	100.0	2	2	100.0	1	1	100.0	1	1	100.0	2	2	100.0	0	0	0.0
Off-Road Vehicle (ORV) /All-Terrain Vehicle (ATV)	5	4	80.0	0	0	0.0	0	0	0.0	3	3	100.0	2	1	50.0	0	0	0.0
Other	2	2	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0
Truck/bus over 10,000 lbs.	20	18	90.0	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0	18	18	100.0
Uncoded & errors	5	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>TOTAL</b>	<b>821</b>	<b>768</b>	<b>93.5</b>	<b>5</b>	<b>4</b>	<b>80.0</b>	<b>16</b>	<b>11</b>	<b>68.8</b>	<b>32</b>	<b>27</b>	<b>84.4</b>	<b>84</b>	<b>73</b>	<b>86.9</b>	<b>673</b>	<b>653</b>	<b>97.0</b>

**Restraint use among reported vehicle occupants by age**

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	9	9	100.0	0	0	0.0	0	0	0.0	1	1	100.0	6	6	100.0	2	2	100.0
16 - 20	100	87	87.0	0	0	0.0	2	2	100.0	13	9	69.2	14	9	64.3	71	67	94.4
21 - 64	613	591	96.4	4	3	75.0	12	7	58.3	17	17	100.0	53	48	90.6	526	516	98.1
65 +	85	81	95.3	1	1	100.0	2	2	100.0	1	0	0.0	10	10	100.0	71	68	95.8
Other/Unknown	14	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0	3	0	0.0
<b>TOTAL</b>	<b>821</b>	<b>768</b>	<b>93.5</b>	<b>5</b>	<b>4</b>	<b>80.0</b>	<b>16</b>	<b>11</b>	<b>68.8</b>	<b>32</b>	<b>27</b>	<b>84.4</b>	<b>84</b>	<b>73</b>	<b>86.9</b>	<b>673</b>	<b>653</b>	<b>97.0</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Bear Lake Twp.	1	2	1	1	0	0	1	0	0
Blue Lake Twp.	0	0	0	0	0	0	0	0	0
Boardman Twp.	2	1	1	1	0	0	0	0	1
Clearwater Twp.	12	6	4	5	0	0	1	0	4
Cold Springs Twp.	1	1	1	1	0	0	0	0	1
Excelsior Twp.	2	3	2	2	0	0	0	0	2
Garfield Twp.	3	3	2	2	0	0	0	0	2
Kalkaska	1	2	1	1	0	0	0	0	1
Kalkaska Twp.	2	4	1	2	0	0	0	0	2
Oliver Twp.	2	2	2	2	0	0	0	1	1
Orange Twp.	2	2	2	2	0	0	0	0	2
Rapid River Twp.	2	2	1	2	0	1	0	0	1
Springfield Twp.	2	2	2	2	0	1	0	0	1
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Kalkaska County TOTAL</b>	<b>32</b>	<b>30</b>	<b>20</b>	<b>23</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>18</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Bear Lake Twp.	29	0	0	8	1	0	0	0	7	0	0	3
Blue Lake Twp.	4	0	0	1	0	0	0	0	2	0	0	0
Boardman Twp.	56	0	0	13	1	0	0	0	9	0	0	0
Clearwater Twp.	98	1	1	28	5	0	0	10	20	0	0	8
Cold Springs Twp.	28	1	1	7	1	0	0	1	9	0	0	4
Excelsior Twp.	42	0	0	5	2	0	0	0	12	0	0	2
Garfield Twp.	32	0	0	6	2	0	0	1	7	0	0	2
Kalkaska	83	0	0	14	1	0	0	1	5	0	0	0
Kalkaska Twp.	100	1	1	18	2	0	0	2	22	0	0	7
Oliver Twp.	4	1	1	0	2	1	1	0	2	0	0	0
Orange Twp.	29	0	0	4	2	0	0	1	3	0	0	0
Rapid River Twp.	57	0	0	20	2	0	0	2	13	0	0	5
Springfield Twp.	40	1	1	10	2	1	1	0	10	1	1	9
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Kalkaska County TOTAL</b>	<b>602</b>	<b>5</b>	<b>5</b>	<b>134</b>	<b>23</b>	<b>2</b>	<b>2</b>	<b>18</b>	<b>121</b>	<b>1</b>	<b>1</b>	<b>40</b>

**Restraint use among reported vehicle occupants by municipality**

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Bear Lake Twp.	40	40	100.0	0	0	0.0	1	1	100.0	3	3	100.0	4	4	100.0	32	32	100.0
Blue Lake Twp.	4	3	75.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	3	3	100.0
Boardman Twp.	73	70	95.9	0	0	0.0	0	0	0.0	4	4	100.0	9	8	88.9	60	58	96.7
Clearwater Twp.	135	129	95.6	1	1	100.0	7	5	71.4	7	7	100.0	14	14	100.0	104	102	98.1
Cold Springs Twp.	32	28	87.5	1	0	0.0	1	1	100.0	0	0	0.0	6	4	66.7	24	23	95.8
Excelsior Twp.	52	47	90.4	0	0	0.0	1	0	0.0	1	0	0.0	3	3	100.0	47	44	93.6
Garfield Twp.	35	32	91.4	0	0	0.0	1	0	0.0	2	2	100.0	3	2	66.7	29	28	96.6
Kalkaska	158	154	97.5	0	0	0.0	1	1	100.0	4	4	100.0	9	9	100.0	141	140	99.3
Kalkaska Twp.	127	118	92.9	1	1	100.0	0	0	0.0	1	1	100.0	17	15	88.2	106	101	95.3
Oliver Twp.	4	4	100.0	1	1	100.0	0	0	0.0	0	0	0.0	0	0	0.0	3	3	100.0
Orange Twp.	33	29	87.9	0	0	0.0	1	1	100.0	2	2	100.0	1	0	0.0	28	26	92.9
Rapid River Twp.	79	72	91.1	0	0	0.0	3	2	66.7	4	4	100.0	12	9	75.0	60	57	95.0
Springfield Twp.	49	42	85.7	1	1	100.0	0	0	0.0	4	0	0.0	6	5	83.3	36	36	100.0
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Kalkaska County TOTAL</b>	<b>821</b>	<b>768</b>	<b>93.5</b>	<b>5</b>	<b>4</b>	<b>80.0</b>	<b>16</b>	<b>11</b>	<b>68.8</b>	<b>32</b>	<b>27</b>	<b>84.4</b>	<b>84</b>	<b>73</b>	<b>86.9</b>	<b>673</b>	<b>653</b>	<b>97.0</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	1,957	1	346	1,610	1	461
February	1,877	1	334	1,542	1	444
March	1,218	4	213	1,001	4	293
April	1,138	1	220	917	2	303
May	1,358	3	337	1,018	3	460
June	1,358	2	308	1,048	3	425
July	1,325	3	344	978	3	479
August	1,247	8	327	912	9	457
September	1,493	4	302	1,187	4	402
October	1,767	3	376	1,388	3	498
November	1,673	7	303	1,363	7	408
December	1,789	0	326	1,463	0	424
<b>TOTAL</b>	<b>18,200</b>	<b>37</b>	<b>3,736</b>	<b>14,427</b>	<b>40</b>	<b>5,054</b>

In Kent County in 2011 there were:

**18,200** crashes

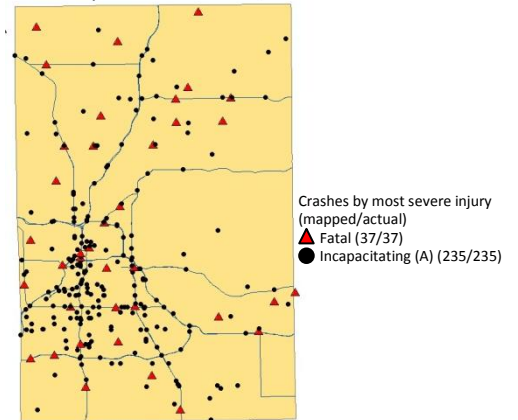
Involving:

**39,123** people

**38,762** motor vehicle drivers and passengers

**195** bicyclists

**166** pedestrians



## Driver Statistics

Age group	2010*			Drivers in Crashes	
	Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	140,106	3,383	53	3.8	156.7
16 - 20	44,735	31,873	4,151	927.9	1302.4
21 - 64	350,677	330,152	23,134	659.7	700.7
65 +	67,104	59,017	2,111	314.6	357.7
Other/Unknown	--	--	3,119	--	--
<b>TOTAL</b>	<b>602,622</b>	<b>424,425</b>	<b>32,568</b>	<b>540.4</b>	<b>767.3</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	25,469	78.2	33	54.1	5,511	19,925
Van, motorhome	1,943	6.0	5	8.2	412	1,526
Pickup truck	3,118	9.6	14	23.0	655	2,449
Small truck under 10,000 lbs. GVWR	481	1.5	0	0.0	101	380
Cycle	201	0.6	4	6.6	144	53
Moped	38	0.1	2	3.3	29	7
Go Cart	3	0.0	0	0.0	1	2
Snowmobile	1	0.0	0	0.0	1	0
Off-Road Vehicle (ORV) / All-Terrain Vehicle (ATV)	2	0.0	0	0.0	2	0
Other	62	0.2	0	0.0	13	49
Truck/bus over 10,000 lbs.	653	2.0	3	4.9	107	543
Unknown	597	1.8	0	0.0	41	556
<b>TOTAL</b>	<b>32,568</b>	<b>100.0</b>	<b>61</b>	<b>100.0</b>	<b>7,017</b>	<b>25,490</b>

## Kent County Experience

Kent County experienced the highest number of fatal crashes (8) and the highest number of persons killed (9) in August.

Kent County driver statistics indicate 7.5 percent of licensed drivers were age 16-20, and 12.7 percent of drivers in that age group were involved in crashes.

In Kent County, motorcycles and mopeds accounted for only 0.7 percent of the total vehicles in crashes, but were involved in 9.9 percent of the total fatal crashes.



## Crash Type

	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	4,982	27.4	17	45.9	76	282	554	4,053
Head On	217	1.2	5	13.5	18	31	49	114
Head On - Left Turn	576	3.2	1	2.7	11	60	150	354
Angle	3,246	17.8	11	29.7	75	191	613	2,356
Rear End	5,073	27.9	2	5.4	34	106	955	3,976
Rear End - Left Turn	212	1.2	0	0.0	0	9	52	151
Rear End - Right Turn	288	1.6	0	0.0	0	6	48	234
Sideswipe - Same Direction	2,071	11.4	0	0.0	7	27	133	1,904
Sideswipe - Opposite Direct	323	1.8	0	0.0	2	14	36	271
Other/Unknown	1,212	6.7	1	2.7	12	49	136	1,014
<b>Total</b>	<b>18,200</b>	<b>100.0</b>	<b>37</b>	<b>100.0</b>	<b>235</b>	<b>775</b>	<b>2,726</b>	<b>14,427</b>

## Relationship to Roadway

Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	15,482	85.1	29	78.4	182	617	2,353	12,301
Median	224	1.2	0	0.0	3	18	32	171
Shoulder	956	5.3	2	5.4	18	50	119	767
Outside of Shoulder/Curb	1,159	6.4	6	16.2	24	74	168	887
Gore	96	0.5	0	0.0	3	4	16	73
Other/Unknown	283	1.6	0	0.0	5	12	38	228
<b>Total</b>	<b>18,200</b>	<b>100.0</b>	<b>37</b>	<b>100.0</b>	<b>235</b>	<b>775</b>	<b>2,726</b>	<b>14,427</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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	1	1	1	0	1	0	0	0
16 - 20	100	78	50	64	0	5	20	9	30
21 - 64	904	710	551	657	1	41	142	179	294
65 +	22	25	14	16	0	2	2	5	7
Other/Unknown	129	5	0	11	0	0	0	0	11
<b>TOTAL</b>	<b>1,156</b>	<b>819</b>	<b>616</b>	<b>749</b>	<b>1</b>	<b>49</b>	<b>164</b>	<b>193</b>	<b>342</b>

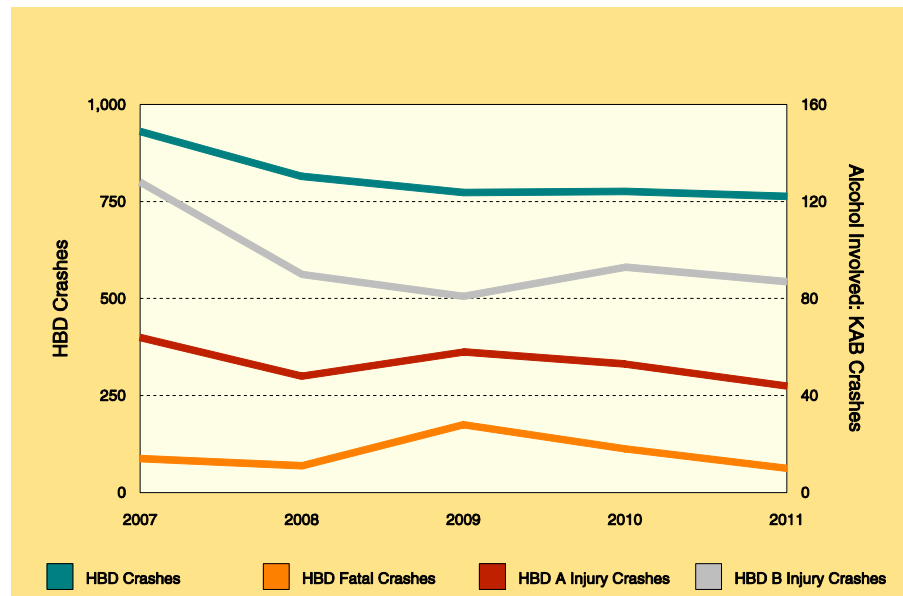
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

KENT	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	20,131	931	4.6	62	14	22.6	321	64	19.9	944	128	13.6
2008	19,780	815	4.1	51	11	21.6	267	48	18.0	798	90	11.3
2009	17,815	773	4.3	55	28	50.9	256	58	22.7	698	81	11.6
2010	17,241	776	4.5	57	18	31.6	220	53	24.1	726	93	12.8
2011	18,200	763*	4.2	37*	10*	27.0	235	44*	18.7	775	87	11.2

\* Lowest number reported in the 5-year period.

## Restraint use among reported vehicle occupants by vehicle type

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	26,508	23,483	88.6	20	16	80.0	187	143	76.5	685	618	90.2	3,002	2,869	95.6	20,793	19,817	95.3
Van, motorhome	2,052	1,835	89.4	3	3	100.0	16	16	100.0	40	31	77.5	232	222	95.7	1,625	1,562	96.1
Pickup truck	3,201	2,796	87.3	3	2	66.7	29	21	72.4	53	39	73.6	232	220	94.8	2,637	2,513	95.3
Small truck under 10,000 lbs. GVWR	496	446	89.9	0	0	0.0	2	1	50.0	5	5	100.0	55	50	90.9	403	390	96.8
Cycle	214	200	93.5	3	2	66.7	27	26	96.3	68	67	98.5	58	55	94.8	52	50	96.2
Moped	39	20	51.3	2	1	50.0	4	1	25.0	13	7	53.8	12	6	50.0	7	5	71.4
Go Cart	3	2	66.7	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	2	1	50.0
Snowmobile	1	1	100.0	0	0	0.0	1	1	100.0	0	0	0.0	0	0	0.0	0	0	0.0
Off-Road Vehicle (ORV) /All-Terrain Vehicle (ATV)	2	0	0.0	0	0	0.0	1	0	0.0	1	0	0.0	0	0	0.0	0	0	0.0
Other	62	34	54.8	0	0	0.0	0	0	0.0	0	0	0.0	5	2	40.0	50	32	64.0
Truck/bus over 10,000 lbs.	670	612	91.3	2	2	100.0	0	0	0.0	6	5	83.3	27	14	51.9	612	591	96.6
Uncoded & errors	597	4	0.7	0	0	0.0	0	0	0.0	1	0	0.0	0	0	0.0	21	4	19.0
<b>TOTAL</b>	<b>33,845</b>	<b>29,433</b>	<b>87.0</b>	<b>33</b>	<b>26</b>	<b>78.8</b>	<b>267</b>	<b>209</b>	<b>78.3</b>	<b>872</b>	<b>772</b>	<b>88.5</b>	<b>3,624</b>	<b>3,439</b>	<b>94.9</b>	<b>26,202</b>	<b>24,965</b>	<b>95.3</b>

## Restraint use among reported vehicle occupants by age

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	362	332	91.7	1	1	100.0	18	16	88.9	73	65	89.0	221	208	94.1	49	42	85.7
16 - 20	4,373	4,186	95.7	3	3	100.0	37	24	64.9	158	140	88.6	452	410	90.7	3,722	3,609	97.0
21 - 64	23,759	22,696	95.5	21	15	71.4	185	144	77.8	553	487	88.1	2,652	2,535	95.6	20,303	19,503	96.1
65 +	2,230	2,172	97.4	8	7	87.5	27	25	92.6	82	78	95.1	297	286	96.3	1,814	1,776	97.9
Other/Unknown	3,121	47	1.5	0	0	0.0	0	0	0.0	6	2	33.3	2	0	0.0	314	35	11.1
<b>TOTAL</b>	<b>33,845</b>	<b>29,433</b>	<b>87.0</b>	<b>33</b>	<b>26</b>	<b>78.8</b>	<b>267</b>	<b>209</b>	<b>78.3</b>	<b>872</b>	<b>772</b>	<b>88.5</b>	<b>3,624</b>	<b>3,439</b>	<b>94.9</b>	<b>26,202</b>	<b>24,965</b>	<b>95.3</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Ada Twp.	19	17	13	16	0	3	1	7	5
Algoma Twp.	14	12	10	12	0	1	4	1	6
Alpine Twp.	27	22	16	21	0	1	6	5	9
Bowne Twp.	1	1	0	1	0	0	0	0	1
Byron Twp.	50	40	29	37	0	1	9	9	18
Caledonia	0	0	0	0	0	0	0	0	0
Caledonia Twp.	13	12	8	10	0	1	3	1	5
Cannon Twp.	14	13	10	12	0	1	4	3	4
Cascade Twp.	31	31	20	25	0	0	9	7	9
Casnovia	0	0	0	0	0	0	0	0	0
Cedar Springs	1	1	1	1	0	0	1	0	0
Courtland Twp.	14	8	7	9	0	0	2	2	5
East Grand Rapids	5	4	3	3	0	0	0	2	1
Gaines Twp.	13	13	7	8	0	1	1	3	3
Grand Rapids	465	309	240	273	0	14	57	94	108
Grand Rapids Twp.	17	22	12	14	0	2	2	3	7
Grandville	30	26	20	20	0	0	0	2	18
Grattan Twp.	4	3	2	3	0	1	2	0	0
Kent City	1	0	0	1	0	0	0	0	1
Kentwood	66	41	30	36	0	0	0	1	35
Lowell	8	5	4	4	0	2	2	0	0
Lowell Twp.	7	6	4	6	0	0	2	0	4
Nelson Twp.	7	3	3	6	0	1	2	0	3
Oakfield Twp.	19	10	9	15	0	1	2	3	9
Plainfield Twp.	74	44	35	47	0	4	10	12	21
Rockford	7	9	5	5	0	0	2	3	0
Sand Lake	0	0	0	0	0	0	0	0	0
Solon Twp.	8	6	5	8	0	0	2	0	6
Sparta	3	3	3	3	0	0	3	0	0
Sparta Twp.	17	9	8	11	0	1	3	3	4
Spencer Twp.	10	9	9	10	0	2	3	1	4
Tyrone Twp.	10	8	7	10	0	0	3	1	6
Vergennes Twp.	8	6	6	6	0	0	3	1	2
Walker	78	49	36	49	1	7	9	12	20
Wyoming	115	77	54	67	0	5	17	17	28
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Kent County TOTAL</b>	<b>1,156</b>	<b>819</b>	<b>616</b>	<b>749</b>	<b>1</b>	<b>49</b>	<b>164</b>	<b>193</b>	<b>342</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Ada Twp.	355	0	0	81	16	0	0	4	42	0	0	5
Algoma Twp.	269	1	1	81	12	0	0	6	50	0	0	15
Alpine Twp.	318	1	1	111	21	0	0	9	48	0	0	13
Bowne Twp.	72	0	0	21	1	0	0	1	6	0	0	2
Byron Twp.	579	3	4	149	37	0	0	14	136	1	1	32
Caledonia	41	0	0	14	0	0	0	0	2	0	0	0
Caledonia Twp.	306	1	1	81	9	0	0	8	35	0	0	5
Cannon Twp.	207	0	0	54	12	0	0	4	37	0	0	8
Cascade Twp.	667	1	1	163	25	0	0	14	115	0	0	28
Casnovia	4	0	0	0	0	0	0	0	0	0	0	0
Cedar Springs	64	0	0	24	1	0	0	0	4	0	0	0
Courtland Twp.	174	3	4	62	9	1	2	6	23	0	0	6
East Grand Rapids	154	0	0	27	3	0	0	0	12	0	0	0
Gaines Twp.	445	1	1	137	8	0	0	3	54	0	0	15
Grand Rapids	6,931	8	8	1,761	286	2	2	130	684	1	0	121
Grand Rapids Twp.	538	1	1	118	14	0	0	6	87	0	0	12
Grandville	674	0	0	208	20	0	0	12	89	0	0	18
Grattan Twp.	101	0	0	10	3	0	0	1	10	0	0	5
Kent City	20	0	0	6	1	0	0	0	2	0	0	0
Kentwood	1,047	1	1	385	38	0	0	22	54	0	0	9
Lowell	77	0	0	26	4	0	0	1	3	0	0	0
Lowell Twp.	198	2	3	63	6	1	1	3	24	0	0	8
Nelson Twp.	98	1	1	16	6	1	1	2	20	0	0	4
Oakfield Twp.	158	2	2	46	15	2	2	14	17	1	1	7
Plainfield Twp.	807	2	2	237	47	0	0	27	119	0	0	27
Rockford	109	1	1	27	5	0	0	4	3	0	0	0
Sand Lake	6	0	0	0	0	0	0	0	0	0	0	0
Solon Twp.	166	1	1	48	7	0	0	1	30	0	0	4
Sparta	63	0	0	8	3	0	0	0	3	0	0	1
Sparta Twp.	157	1	1	69	11	0	0	6	18	0	0	11
Spencer Twp.	78	0	0	20	10	0	0	9	14	0	0	7
Tyrone Twp.	113	2	2	43	10	1	1	3	28	2	2	8
Vergennes Twp.	106	0	0	19	6	0	0	3	14	0	0	5
Walker	1,084	2	2	295	51	2	2	33	107	0	0	26
Wyoming	2,014	2	2	644	66	0	0	22	140	0	0	19
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Kent County TOTAL</b>	<b>18,200</b>	<b>37</b>	<b>40</b>	<b>5,054</b>	<b>763</b>	<b>10</b>	<b>11</b>	<b>368</b>	<b>2,030</b>	<b>5</b>	<b>4</b>	<b>421</b>

Restraint use among reported vehicle occupants by municipality

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Ada Twp.	575	528	91.8	0	0	0.0	3	3	100.0	9	9	100.0	66	64	97.0	485	452	93.2
Algoma Twp.	403	366	90.8	1	0	0.0	9	8	88.9	16	10	62.5	56	56	100.0	312	291	93.3
Alpine Twp.	585	508	86.8	1	1	100.0	5	4	80.0	22	22	100.0	82	76	92.7	452	405	89.6
Bowne Twp.	97	83	85.6	0	0	0.0	1	0	0.0	9	8	88.9	11	10	90.9	72	65	90.3
Byron Twp.	938	878	93.6	3	3	100.0	7	6	85.7	32	31	96.9	101	97	96.0	770	741	96.2
Caledonia	81	69	85.2	0	0	0.0	1	1	100.0	3	3	100.0	10	9	90.0	63	56	88.9
Caledonia Twp.	512	476	93.0	1	1	100.0	11	8	72.7	23	21	91.3	47	43	91.5	422	403	95.5
Cannon Twp.	304	273	89.8	0	0	0.0	2	2	100.0	13	13	100.0	38	34	89.5	246	224	91.1
Cascade Twp.	1,096	986	90.0	1	0	0.0	9	5	55.6	36	32	88.9	110	104	94.5	897	845	94.2
Casnovia	5	3	60.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	3	3	100.0
Cedar Springs	131	114	87.0	0	0	0.0	2	2	100.0	4	3	75.0	17	16	94.1	100	93	93.0
Courtland Twp.	267	232	86.9	4	4	100.0	8	6	75.0	10	10	100.0	41	39	95.1	196	173	88.3
East Grand Rapids	289	224	77.5	0	0	0.0	0	0	0.0	3	2	66.7	16	15	93.8	222	207	93.2
Gaines Twp.	811	735	90.6	1	0	0.0	5	5	100.0	26	25	96.2	101	99	98.0	644	605	93.9
Grand Rapids	13,699	11,200	81.8	5	3	60.0	62	44	71.0	257	215	83.7	1,282	1,197	93.4	10,193	9,734	95.5
Grand Rapids Twp.	964	909	94.3	1	0	0.0	11	8	72.7	17	16	94.1	90	89	98.9	826	796	96.4
Grandville	1,322	1,237	93.6	0	0	0.0	14	11	78.6	33	25	75.8	155	153	98.7	1,057	1,044	98.8
Grattan Twp.	117	98	83.8	0	0	0.0	0	0	0.0	2	2	100.0	8	8	100.0	106	88	83.0
Kent City	41	38	92.7	0	0	0.0	0	0	0.0	1	1	100.0	5	5	100.0	34	32	94.1
Kentwood	2,068	1,869	90.4	1	1	100.0	22	18	81.8	49	46	93.9	290	281	96.9	1,585	1,517	95.7
Lowell	141	131	92.9	0	0	0.0	1	1	100.0	1	0	0.0	22	20	90.9	113	110	97.3
Lowell Twp.	316	284	89.9	3	3	100.0	9	8	88.9	11	10	90.9	43	41	95.3	237	222	93.7
Nelson Twp.	122	103	84.4	1	1	100.0	0	0	0.0	6	3	50.0	10	7	70.0	102	92	90.2
Oakfield Twp.	217	182	83.9	2	2	100.0	7	4	57.1	18	16	88.9	21	20	95.2	165	140	84.8
Plainfield Twp.	1,462	1,330	91.0	1	1	100.0	14	12	85.7	46	41	89.1	171	163	95.3	1,173	1,111	94.7
Rockford	203	188	92.6	1	1	100.0	3	3	100.0	5	5	100.0	18	17	94.4	164	162	98.8
Sand Lake	12	9	75.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	11	9	81.8
Solon Twp.	235	210	89.4	1	1	100.0	6	4	66.7	9	8	88.9	32	30	93.8	180	167	92.8
Sparta	114	95	83.3	0	0	0.0	0	0	0.0	1	1	100.0	5	5	100.0	97	89	91.8
Sparta Twp.	254	233	91.7	0	0	0.0	8	7	87.5	21	21	100.0	39	37	94.9	182	168	92.3
Spencer Twp.	99	80	80.8	0	0	0.0	5	1	20.0	6	1	16.7	9	8	88.9	77	70	90.9
Tyrone Twp.	157	135	86.0	2	1	50.0	2	2	100.0	13	13	100.0	28	28	100.0	104	91	87.5
Vergennes Twp.	137	124	90.5	0	0	0.0	0	0	0.0	6	6	100.0	13	12	92.3	115	106	92.2
Walker	2,076	1,965	94.7	1	1	100.0	16	15	93.8	51	46	90.2	221	210	95.0	1,721	1,693	98.4
Wyoming	3,995	3,538	88.6	2	2	100.0	24	21	87.5	113	107	94.7	466	446	95.7	3,076	2,961	96.3
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Kent County TOTAL</b>	<b>33,845</b>	<b>29,433</b>	<b>87.0</b>	<b>33</b>	<b>26</b>	<b>78.8</b>	<b>267</b>	<b>209</b>	<b>78.3</b>	<b>872</b>	<b>772</b>	<b>88.5</b>	<b>3,624</b>	<b>3,439</b>	<b>94.9</b>	<b>26,202</b>	<b>24,965</b>	<b>95.3</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	11	0	1	10	0	1
February	6	0	2	4	0	3
March	2	1	0	1	1	1
April	6	0	1	5	0	1
May	5	0	0	5	0	0
June	4	0	0	4	0	0
July	9	0	4	5	0	6
August	10	0	3	7	0	3
September	5	0	0	5	0	0
October	9	0	2	7	0	3
November	9	1	0	8	1	1
December	5	0	1	4	0	2
<b>TOTAL</b>	<b>81</b>	<b>2</b>	<b>14</b>	<b>65</b>	<b>2</b>	<b>21</b>

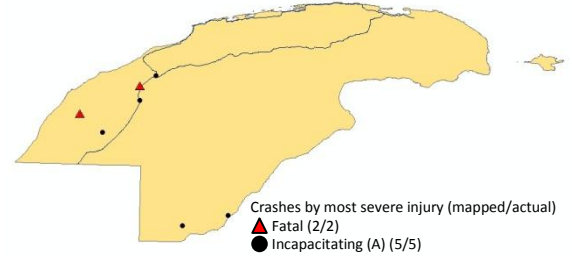
In Keweenaw County in 2011 there were:  
81 crashes

Involving:

137 people

136 motor vehicle drivers and passengers

1 pedestrian



## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	347	12	0	0.0	0.0
16 - 20	103	93	8	776.7	860.2
21 - 64	1,188	1,153	64	538.7	555.1
65 +	518	554	15	289.6	270.8
Other/Unknown	--	--	4	--	--
<b>TOTAL</b>	<b>2,156</b>	<b>1,812</b>	<b>91</b>	<b>422.1</b>	<b>502.2</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Keweenaw County Experience

Keweenaw County experienced the highest number of fatal crashes (1) and the highest number of persons killed (1) in March, and November.

Keweenaw County driver statistics indicate 5.1 percent of licensed drivers were age 16-20, and 8.8 percent of drivers in that age group were involved in crashes

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	61	67.0	2	66.7	5	54
Van, motorhome	2	2.2	0	0.0	0	2
Pickup truck	17	18.7	1	33.3	2	14
Small truck under 10,000 lbs. GVWR	0	0.0	0	0.0	0	0
Cycle	8	8.8	0	0.0	6	2
Moped	0	0.0	0	0.0	0	0
Go Cart	0	0.0	0	0.0	0	0
Snowmobile	3	3.3	0	0.0	3	0
Off-Road Vehicle (ORV) / All-Terrain Vehicle (ATV)	0	0.0	0	0.0	0	0
Other	0	0.0	0	0.0	0	0
Truck/bus over 10,000 lbs.	0	0.0	0	0.0	0	0
Unknown	0	0.0	0	0.0	0	0
<b>TOTAL</b>	<b>91</b>	<b>100.0</b>	<b>3</b>	<b>100.0</b>	<b>16</b>	<b>72</b>



## Crash Type

	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	71	87.7	1	50.0	4	4	4	58
Head On	1	1.2	1	50.0	0	0	0	0
Head On - Left Turn	0	0.0	0	0.0	0	0	0	0
Angle	3	3.7	0	0.0	0	0	1	2
Rear End	2	2.5	0	0.0	1	0	0	1
Rear End - Left Turn	0	0.0	0	0.0	0	0	0	0
Rear End - Right Turn	0	0.0	0	0.0	0	0	0	0
Sideswipe - Same Direction	2	2.5	0	0.0	0	0	0	2
Sideswipe - Opposite Direct	1	1.2	0	0.0	0	0	0	1
Other/Unknown	1	1.2	0	0.0	0	0	0	1
<b>Total</b>	<b>81</b>	<b>100.0</b>	<b>2</b>	<b>100.0</b>	<b>5</b>	<b>4</b>	<b>5</b>	<b>65</b>

## Relationship to Roadway

Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	49	60.5	1	50.0	1	3	2	42
Median	0	0.0	0	0.0	0	0	0	0
Shoulder	10	12.3	0	0.0	2	0	0	8
Outside of Shoulder/Curb	18	22.2	1	50.0	2	0	2	13
Gore	0	0.0	0	0.0	0	0	0	0
Other/Unknown	4	4.9	0	0.0	0	1	1	2
<b>Total</b>	<b>81</b>	<b>100.0</b>	<b>2</b>	<b>100.0</b>	<b>5</b>	<b>4</b>	<b>5</b>	<b>65</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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	0	0	0	0	0	0	0	0	0
21 - 64	1	2	1	1	0	0	1	0	0
65 +	2	1	1	1	0	0	0	0	1
Other/Unknown	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>3</b>	<b>3</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>

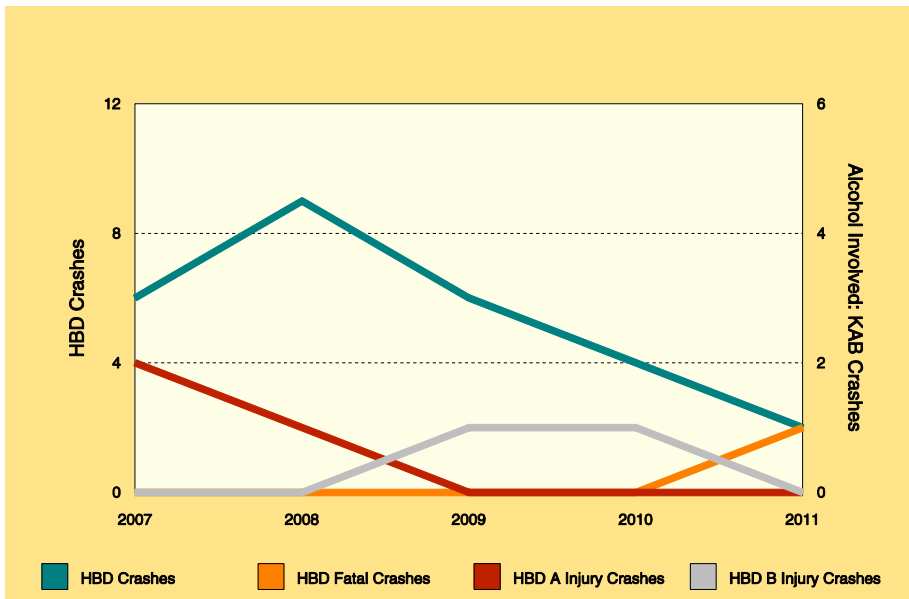
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

KEWEENAW	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	102	6	5.9	4	0	0.0	10	2	20.0	3	0	0.0
2008	83	9	10.8	0	0	0.0	8	1	12.5	3	0	0.0
2009	94	6	6.4	2	0	0.0	3	0	0.0	4	1	25.0
2010	64	4	6.3	1	0	0.0	1	0	0.0	4	1	25.0
2011	81	2*	2.5	2	1**	50.0	5	0	0.0	4	0	0.0

\* Lowest number reported in the 5-year period. \*\* Highest number reported in the 5-year period.

## Restraint use among reported vehicle occupants by vehicle type

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	64	58	90.6	2	2	100.0	1	1	100.0	3	2	66.7	3	3	100.0	51	49	96.1
Van, motorhome	2	2	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0
Pickup truck	18	17	94.4	0	0	0.0	1	1	100.0	1	1	100.0	2	1	50.0	14	14	100.0
Small truck under 10,000 lbs. GVWR	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Cycle	9	6	66.7	0	0	0.0	2	1	50.0	3	2	66.7	2	2	100.0	2	1	50.0
Moped	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	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	3	2	66.7	0	0	0.0	1	1	100.0	0	0	0.0	1	1	100.0	0	0	0.0
Off-Road Vehicle (ORV) /All-Terrain Vehicle (ATV)	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Other	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Truck/bus over 10,000 lbs.	0	0	0.0	0	0	0.0	0	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	0.0	0	0	0.0	0	0	0.0
<b>TOTAL</b>	<b>96</b>	<b>85</b>	<b>88.5</b>	<b>2</b>	<b>2</b>	<b>100.0</b>	<b>5</b>	<b>4</b>	<b>80.0</b>	<b>7</b>	<b>5</b>	<b>71.4</b>	<b>8</b>	<b>7</b>	<b>87.5</b>	<b>69</b>	<b>66</b>	<b>95.7</b>

## Restraint use among reported vehicle occupants by age

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
16 - 20	9	9	100.0	0	0	0.0	1	1	100.0	3	3	100.0	0	0	0.0	5	5	100.0
21 - 64	67	61	91.0	2	2	100.0	4	3	75.0	3	1	33.3	4	4	100.0	53	50	94.3
65 +	16	15	93.8	0	0	0.0	0	0	0.0	1	1	100.0	4	3	75.0	11	11	100.0
Other/Unknown	4	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>TOTAL</b>	<b>96</b>	<b>85</b>	<b>88.5</b>	<b>2</b>	<b>2</b>	<b>100.0</b>	<b>5</b>	<b>4</b>	<b>80.0</b>	<b>7</b>	<b>5</b>	<b>71.4</b>	<b>8</b>	<b>7</b>	<b>87.5</b>	<b>69</b>	<b>66</b>	<b>95.7</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Ahmeek	0	0	0	0	0	0	0	0	0
Allouez Twp.	1	2	1	1	0	0	1	0	0
Eagle Harbor Twp.	0	0	0	0	0	0	0	0	0
Grant Twp.	2	1	1	1	0	0	0	0	1
Houghton Twp.	0	0	0	0	0	0	0	0	0
Sherman Twp.	0	0	0	0	0	0	0	0	0
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Keweenaw County TOTAL</b>	<b>3</b>	<b>3</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Ahmeek	1	0	0	0	0	0	0	0	0	0	0	0
Allouez Twp.	36	2	2	9	1	1	1	1	8	1	1	2
Eagle Harbor Twp.	8	0	0	3	0	0	0	0	2	0	0	0
Grant Twp.	19	0	0	4	1	0	0	2	3	0	0	0
Houghton Twp.	10	0	0	2	0	0	0	0	2	0	0	2
Sherman Twp.	7	0	0	3	0	0	0	0	3	0	0	3
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Keweenaw County TOTAL</b>	<b>81</b>	<b>2</b>	<b>2</b>	<b>21</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>3</b>	<b>18</b>	<b>1</b>	<b>1</b>	<b>7</b>

Restraint use among reported vehicle occupants by municipality

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Ahmeek	1	1	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0
Allouez Twp.	45	39	86.7	2	2	100.0	2	2	100.0	3	2	66.7	4	3	75.0	32	30	93.8
Eagle Harbor Twp.	8	8	100.0	0	0	0.0	0	0	0.0	2	2	100.0	1	1	100.0	4	4	100.0
Grant Twp.	21	19	90.5	0	0	0.0	0	0	0.0	0	0	0.0	3	3	100.0	17	16	94.1
Houghton Twp.	13	12	92.3	0	0	0.0	1	1	100.0	1	1	100.0	0	0	0.0	10	10	100.0
Sherman Twp.	8	6	75.0	0	0	0.0	2	1	50.0	1	0	0.0	0	0	0.0	5	5	100.0
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Keweenaw County TOTAL</b>	<b>96</b>	<b>85</b>	<b>88.5</b>	<b>2</b>	<b>2</b>	<b>100.0</b>	<b>5</b>	<b>4</b>	<b>80.0</b>	<b>7</b>	<b>5</b>	<b>71.4</b>	<b>8</b>	<b>7</b>	<b>87.5</b>	<b>69</b>	<b>66</b>	<b>95.7</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	31	0	10	21	0	17
February	16	0	5	11	0	6
March	17	0	2	15	0	2
April	23	0	2	21	0	5
May	32	0	11	21	0	13
June	36	0	4	32	0	4
July	28	0	7	21	0	10
August	26	0	9	17	0	12
September	25	0	3	22	0	5
October	41	0	4	37	0	7
November	35	0	6	29	0	6
December	51	0	6	45	0	7
<b>TOTAL</b>	<b>361</b>	<b>0</b>	<b>69</b>	<b>292</b>	<b>0</b>	<b>94</b>

In Lake County in 2011 there were:

361 crashes

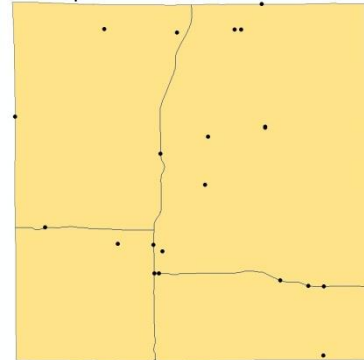
Involving:

521 people

516 motor vehicle drivers and passengers

2 bicyclists

3 pedestrians



Crashes by most severe injury (mapped/actual)

▲ Fatal (0/0)  
● Incapacitating (A) (21/22)

## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	1,817	30	0	0.0	0.0
16 - 20	512	367	27	527.3	735.7
21 - 64	6,474	5,394	323	498.9	598.8
65 +	2,736	2,489	54	197.4	217.0
Other/Unknown	--	--	4	--	--
<b>TOTAL</b>	<b>11,539</b>	<b>8,280</b>	<b>408</b>	<b>353.6</b>	<b>492.8</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	253	62.0	0	0.0	43	210
Van, motorhome	16	3.9	0	0.0	1	15
Pickup truck	64	15.7	0	0.0	14	50
Small truck under 10,000 lbs. GVWR	29	7.1	0	0.0	6	23
Cycle	3	0.7	0	0.0	3	0
Moped	1	0.2	0	0.0	1	0
Go Cart	0	0.0	0	0.0	0	0
Snowmobile	8	2.0	0	0.0	7	1
Off-Road Vehicle (ORV) / All-Terrain Vehicle (ATV)	16	3.9	0	0.0	13	3
Other	7	1.7	0	0.0	2	5
Truck/bus over 10,000 lbs.	9	2.2	0	0.0	1	8
Unknown	2	0.5	0	0.0	1	1
<b>TOTAL</b>	<b>408</b>	<b>100.0</b>	<b>0</b>	<b>0.0</b>	<b>92</b>	<b>316</b>

## Lake County Experience

Lake County did not experience a fatal crash.

Lake County driver statistics indicate 4.4 percent of licensed drivers were age 16-20, and 6.6 percent of drivers in that age group were involved in crashes.

In Lake County, ORV/ATVs accounted for 3.9 percent of the total vehicles in crashes, and were involved in 14.1 percent of the total injury crashes.



Crash Type								
	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	316	87.5	0	0.0	12	19	17	268
Head On	3	0.8	0	0.0	3	0	0	0
Head On - Left Turn	4	1.1	0	0.0	1	0	1	2
Angle	12	3.3	0	0.0	1	0	3	8
Rear End	8	2.2	0	0.0	3	1	1	3
Rear End - Left Turn	2	0.6	0	0.0	1	0	1	0
Rear End - Right Turn	2	0.6	0	0.0	0	0	1	1
Sideswipe - Same Direction	5	1.4	0	0.0	0	0	1	4
Sideswipe - Opposite Direct	3	0.8	0	0.0	0	1	0	2
Other/Unknown	6	1.7	0	0.0	1	0	1	4
<b>Total</b>	<b>361</b>	<b>100.0</b>	<b>0</b>	<b>0.0</b>	<b>22</b>	<b>21</b>	<b>26</b>	<b>292</b>

Relationship to Roadway								
Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	276	76.5	0	0.0	13	8	18	237
Median	0	0.0	0	0.0	0	0	0	0
Shoulder	29	8.0	0	0.0	1	5	1	22
Outside of Shoulder/Curb	30	8.3	0	0.0	0	3	6	21
Gore	10	2.8	0	0.0	1	1	1	7
Other/Unknown	16	4.4	0	0.0	7	4	0	5
<b>Total</b>	<b>361</b>	<b>100.0</b>	<b>0</b>	<b>0.0</b>	<b>22</b>	<b>21</b>	<b>26</b>	<b>292</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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	0	1	0	0	0	0	0	0	0
21 - 64	19	12	10	15	0	2	2	4	7
65 +	3	3	3	3	0	0	2	0	1
Other/Unknown	1	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>23</b>	<b>16</b>	<b>13</b>	<b>18</b>	<b>0</b>	<b>2</b>	<b>4</b>	<b>4</b>	<b>8</b>

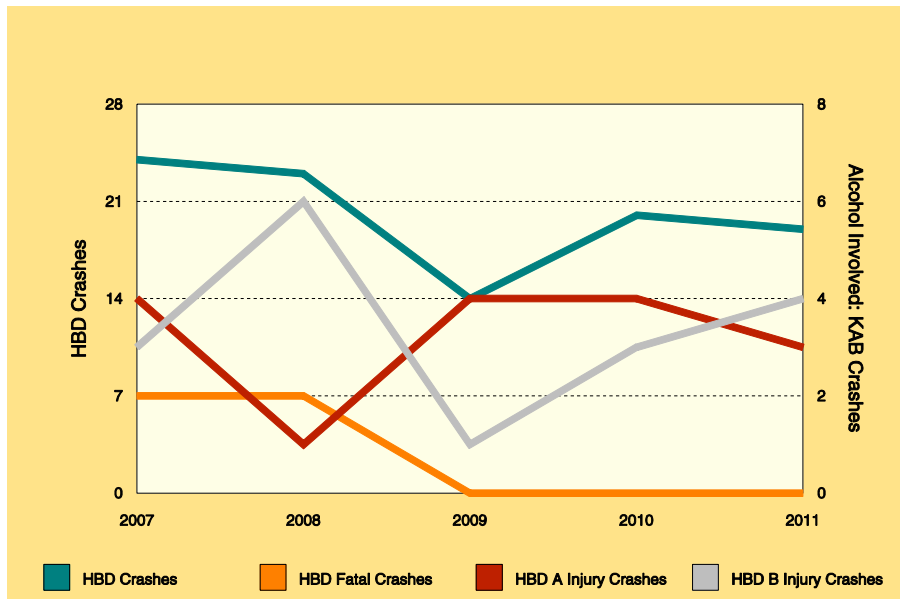
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

LAKE	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	472	24	5.1	4	2	50.0	10	4	40.0	20	3	15.0
2008	491	23	4.7	4	2	50.0	15	1	6.7	21	6	28.6
2009	438	14	3.2	1	0	0.0	15	4	26.7	17	1	5.9
2010	381	20	5.3	2	0	0.0	13	4	30.8	20	3	15.0
2011	361*	19	5.3	0*	0	0.0	22**	3	13.6	21	4	19.0

\* Lowest number reported in the 5-year period. \*\* Highest number reported in the 5-year period.

**Restraint use among reported vehicle occupants by vehicle type**

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	267	260	97.4	0	0	0.0	9	9	100.0	13	11	84.6	26	24	92.3	219	216	98.6
Van, motorhome	16	15	93.8	0	0	0.0	0	0	0.0	0	0	100.0	0	0	0.0	16	15	93.8
Pickup truck	70	67	95.7	0	0	0.0	2	2	100.0	6	5	83.3	7	6	85.7	54	54	100.0
Small truck under 10,000 lbs. GVWR	31	29	93.5	0	0	0.0	1	1	100.0	2	1	50.0	2	1	50.0	26	26	100.0
Cycle	4	4	100.0	0	0	0.0	1	1	100.0	2	2	100.0	1	1	100.0	0	0	0.0
Moped	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	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	9	8	88.9	0	0	0.0	2	2	100.0	1	1	100.0	1	1	100.0	4	4	100.0
Off-Road Vehicle (ORV) /All-Terrain Vehicle (ATV)	16	16	100.0	0	0	0.0	7	7	100.0	5	5	100.0	0	0	0.0	4	4	100.0
Other	7	6	85.7	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0	6	6	100.0
Truck/bus over 10,000 lbs.	9	9	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	9	9	100.0
Uncoded & errors	2	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>TOTAL</b>	<b>432</b>	<b>414</b>	<b>95.8</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>22</b>	<b>22</b>	<b>100.0</b>	<b>30</b>	<b>25</b>	<b>83.3</b>	<b>38</b>	<b>33</b>	<b>86.8</b>	<b>338</b>	<b>334</b>	<b>98.8</b>

**Restraint use among reported vehicle occupants by age**

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	4	3	75.0	0	0	0.0	1	1	100.0	1	1	100.0	2	1	50.0	0	0	0.0
16 - 20	31	29	93.5	0	0	0.0	3	3	100.0	3	3	100.0	3	1	33.3	22	22	100.0
21 - 64	337	327	97.0	0	0	0.0	17	17	100.0	25	20	80.0	31	30	96.8	264	260	98.5
65 +	56	55	98.2	0	0	0.0	1	1	100.0	1	1	100.0	2	1	50.0	52	52	100.0
Other/Unknown	4	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>TOTAL</b>	<b>432</b>	<b>414</b>	<b>95.8</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>22</b>	<b>22</b>	<b>100.0</b>	<b>30</b>	<b>25</b>	<b>83.3</b>	<b>38</b>	<b>33</b>	<b>86.8</b>	<b>338</b>	<b>334</b>	<b>98.8</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Baldwin	4	1	1	2	0	0	0	1	1
Chase Twp.	3	2	2	2	0	0	1	1	0
Cherry Valley Twp.	0	0	0	0	0	0	0	0	0
Dover Twp.	1	1	1	1	0	0	1	0	0
Eden Twp.	1	1	0	0	0	0	0	0	0
Elk Twp.	3	3	3	3	0	2	0	0	1
Ellsworth Twp.	1	0	0	1	0	0	0	0	1
Lake Twp.	1	2	1	1	0	0	0	0	1
Luther	0	0	0	0	0	0	0	0	0
Newkirk Twp.	2	1	1	2	0	0	1	0	1
Peacock Twp.	3	1	1	2	0	0	0	0	2
Pinora Twp.	0	0	0	0	0	0	0	0	0
Pleasant Plains Twp.	0	0	0	0	0	0	0	0	0
Sauble Twp.	0	0	0	0	0	0	0	0	0
Sweetwater Twp.	0	0	0	0	0	0	0	0	0
Webber Twp.	3	3	2	3	0	0	1	1	1
Yates Twp.	1	1	1	1	0	0	0	1	0
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Lake County TOTAL</b>	<b>23</b>	<b>16</b>	<b>13</b>	<b>18</b>	<b>0</b>	<b>2</b>	<b>4</b>	<b>4</b>	<b>8</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Baldwin	20	0	0	15	2	0	0	2	3	0	0	2
Chase Twp.	38	0	0	12	2	0	0	3	9	0	0	3
Cherry Valley Twp.	10	0	0	3	0	0	0	0	2	0	0	0
Dover Twp.	10	0	0	3	1	0	0	2	2	0	0	2
Eden Twp.	17	0	0	5	1	0	0	2	2	0	0	1
Elk Twp.	29	0	0	3	3	0	0	1	4	0	0	0
Ellsworth Twp.	21	0	0	3	1	0	0	1	4	0	0	2
Lake Twp.	22	0	0	5	1	0	0	1	4	0	0	3
Luther	1	0	0	0	0	0	0	0	0	0	0	0
Newkirk Twp.	22	0	0	15	2	0	0	5	4	0	0	2
Peacock Twp.	20	0	0	6	2	0	0	1	4	0	0	5
Pinora Twp.	8	0	0	0	0	0	0	0	2	0	0	0
Pleasant Plains Twp.	37	0	0	4	0	0	0	0	5	0	0	3
Sauble Twp.	13	0	0	1	0	0	0	0	4	0	0	0
Sweetwater Twp.	26	0	0	5	0	0	0	0	4	0	0	2
Webber Twp.	42	0	0	7	3	0	0	2	7	0	0	1
Yates Twp.	25	0	0	7	1	0	0	0	3	0	0	1
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Lake County TOTAL</b>	<b>361</b>	<b>0</b>	<b>0</b>	<b>94</b>	<b>19</b>	<b>0</b>	<b>0</b>	<b>20</b>	<b>63</b>	<b>0</b>	<b>0</b>	<b>27</b>

**Restraint use among reported vehicle occupants by municipality**

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Baldwin	39	37	94.9	0	0	0.0	3	3	100.0	2	2	100.0	9	9	100.0	25	23	92.0
Chase Twp.	49	49	100.0	0	0	0.0	4	4	100.0	3	3	100.0	5	5	100.0	37	37	100.0
Cherry Valley Twp.	11	11	100.0	0	0	0.0	0	0	0.0	1	1	100.0	2	2	100.0	8	8	100.0
Dover Twp.	12	12	100.0	0	0	0.0	0	0	0.0	2	2	100.0	1	1	100.0	9	9	100.0
Eden Twp.	20	17	85.0	0	0	0.0	1	1	100.0	1	1	100.0	1	0	0.0	15	15	100.0
Elk Twp.	32	30	93.8	0	0	0.0	0	0	0.0	1	0	0.0	1	1	100.0	29	29	100.0
Ellsworth Twp.	22	20	90.9	0	0	0.0	0	0	0.0	1	0	0.0	2	1	50.0	19	19	100.0
Lake Twp.	23	22	95.7	0	0	0.0	0	0	0.0	2	2	100.0	3	2	66.7	18	18	100.0
Luther	2	2	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0
Newkirk Twp.	28	26	92.9	0	0	0.0	7	7	100.0	6	5	83.3	2	1	50.0	13	13	100.0
Peacock Twp.	24	23	95.8	0	0	0.0	1	1	100.0	4	3	75.0	1	1	100.0	18	18	100.0
Pinora Twp.	8	7	87.5	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	8	7	87.5
Pleasant Plains Twp.	39	39	100.0	0	0	0.0	0	0	0.0	1	1	100.0	3	3	100.0	35	35	100.0
Sauble Twp.	14	14	100.0	0	0	0.0	1	1	100.0	0	0	0.0	0	0	0.0	13	13	100.0
Sweetwater Twp.	28	28	100.0	0	0	0.0	2	2	100.0	2	2	100.0	1	1	100.0	23	23	100.0
Webber Twp.	51	50	98.0	0	0	0.0	3	3	100.0	2	2	100.0	2	1	50.0	44	44	100.0
Yates Twp.	30	27	90.0	0	0	0.0	0	0	0.0	2	1	50.0	5	5	100.0	22	21	95.5
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Lake County TOTAL</b>	<b>432</b>	<b>414</b>	<b>95.8</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>22</b>	<b>22</b>	<b>100.0</b>	<b>30</b>	<b>25</b>	<b>83.3</b>	<b>38</b>	<b>33</b>	<b>86.8</b>	<b>338</b>	<b>334</b>	<b>98.8</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	340	2	49	289	2	58
February	235	1	39	195	1	52
March	156	1	28	127	1	38
April	139	0	27	112	0	43
May	156	0	27	129	0	36
June	197	1	33	163	1	49
July	159	1	44	114	1	52
August	163	2	39	122	2	64
September	211	1	43	167	1	66
October	306	1	36	269	1	45
November	381	1	27	353	2	38
December	320	1	43	276	1	59
<b>TOTAL</b>	<b>2,763</b>	<b>12</b>	<b>435</b>	<b>2,316</b>	<b>13</b>	<b>600</b>

In Lapeer County in 2011 there were:  
2,763 crashes

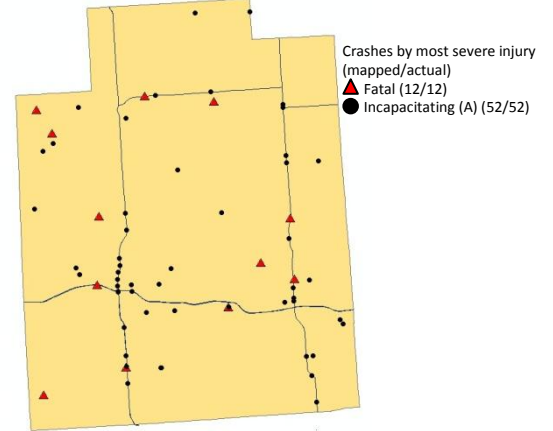
Involving:

4,564 people

4,551 motor vehicle drivers and passengers

7 bicyclists

6 pedestrians



## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	18,413	598	6	3.3	100.3
16 - 20	6,383	5,604	557	872.6	993.9
21 - 64	51,744	50,519	2,734	528.4	541.2
65 +	11,779	11,345	344	292.0	303.2
Other/Unknown	--	--	99	--	--
<b>TOTAL</b>	<b>88,319</b>	<b>68,066</b>	<b>3,740</b>	<b>423.5</b>	<b>549.5</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	2,511	67.1	8	42.1	466	2,037
Van, motorhome	199	5.3	3	15.8	47	149
Pickup truck	833	22.3	6	31.6	150	677
Small truck under 10,000 lbs. GVWR	50	1.3	0	0.0	11	39
Cycle	39	1.0	1	5.3	30	8
Moped	1	0.0	0	0.0	1	0
Go Cart	0	0.0	0	0.0	0	0
Snowmobile	1	0.0	0	0.0	1	0
Off-Road Vehicle (ORV) / All-Terrain Vehicle (ATV)	2	0.1	0	0.0	2	0
Other	9	0.2	0	0.0	3	6
Truck/bus over 10,000 lbs.	75	2.0	1	5.3	9	65
Unknown	20	0.5	0	0.0	0	20
<b>TOTAL</b>	<b>3,740</b>	<b>100.0</b>	<b>19</b>	<b>100.0</b>	<b>720</b>	<b>3,001</b>

## Lapeer County Experience

Lapeer County experienced the highest number of fatal crashes (2) in January and August, and the highest number of persons killed (2) in January, August, and November.

Lapeer County driver statistics indicate 8.2 percent of licensed drivers were age 16-20, and 14.9 percent of drivers in that age group were involved in crashes.

In Lapeer County, motorcycles accounted for 1.0 percent of the total vehicles in crashes, and were involved in 5.3 percent of the total fatal crashes.



Crash Type								
	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	1,827	66.1	5	41.7	16	46	121	1,639
Head On	19	0.7	1	8.3	4	4	4	6
Head On - Left Turn	41	1.5	0	0.0	7	4	10	20
Angle	281	10.2	5	41.7	13	25	58	180
Rear End	327	11.8	0	0.0	4	11	67	245
Rear End - Left Turn	23	0.8	0	0.0	0	2	4	17
Rear End - Right Turn	22	0.8	0	0.0	0	1	3	18
Sideswipe - Same Direction	97	3.5	0	0.0	3	1	6	87
Sideswipe - Opposite Direct	38	1.4	0	0.0	1	3	4	30
Other/Unknown	88	3.2	1	8.3	4	3	6	74
<b>Total</b>	<b>2,763</b>	<b>100.0</b>	<b>12</b>	<b>100.0</b>	<b>52</b>	<b>100</b>	<b>283</b>	<b>2,316</b>

Relationship to Roadway								
Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	2,206	79.8	7	58.3	39	72	187	1,901
Median	8	0.3	0	0.0	1	0	1	6
Shoulder	132	4.8	2	16.7	2	5	18	105
Outside of Shoulder/Curb	385	13.9	3	25.0	9	21	74	278
Gore	10	0.4	0	0.0	0	1	0	9
Other/Unknown	22	0.8	0	0.0	1	1	3	17
<b>Total</b>	<b>2,763</b>	<b>100.0</b>	<b>12</b>	<b>100.0</b>	<b>52</b>	<b>100</b>	<b>283</b>	<b>2,316</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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	1	1	1	0	1	0	0	0
16 - 20	9	9	5	7	0	0	5	0	2
21 - 64	81	84	61	72	0	6	22	17	27
65 +	6	4	2	2	0	0	2	0	0
Other/Unknown	8	0	0	1	0	0	0	0	1
<b>TOTAL</b>	<b>105</b>	<b>98</b>	<b>69</b>	<b>83</b>	<b>0</b>	<b>7</b>	<b>29</b>	<b>17</b>	<b>30</b>

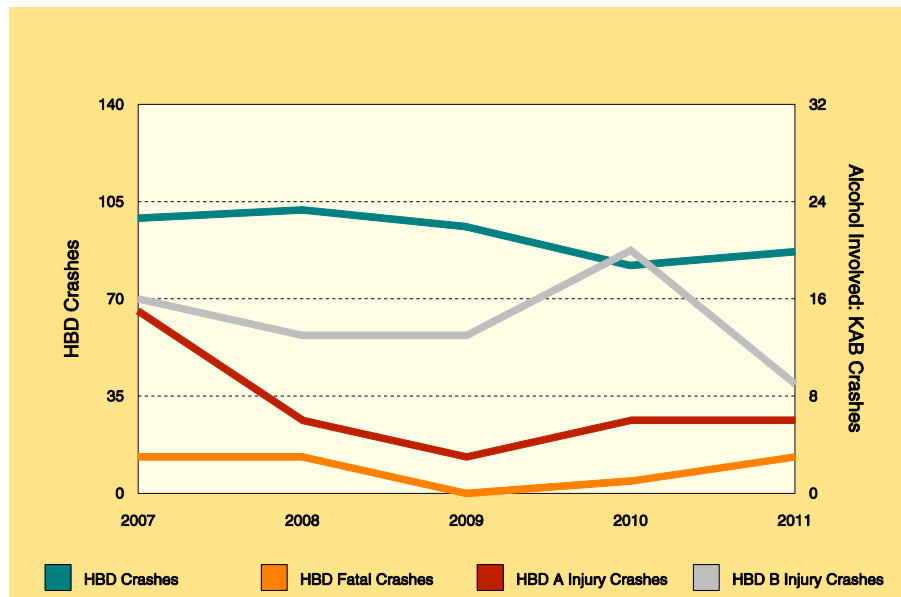
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

LAPEER	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	3,271	99	3.0	11	3	27.3	70	15	21.4	156	16	10.3
2008	3,250	102	3.1	9	3	33.3	68	6	8.8	133	13	9.8
2009	3,056	96	3.1	5	0	0.0	51	3	5.9	106	13	12.3
2010	2,803	82	2.9	7	1	14.3	45	6	13.3	120	20	16.7
2011	2,763*	87	3.1	12**	3	25.0	52	6	11.5	100*	9*	9.0

\* Lowest number reported in the 5-year period. \*\* Highest number reported in the 5-year period.

**Restraint use among reported vehicle occupants by vehicle type**

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	2,622	2,468	94.1	4	3	75.0	42	34	81.0	71	57	80.3	293	273	93.2	2,168	2,100	96.9
Van, motorhome	208	198	95.2	2	2	100.0	6	6	100.0	4	3	75.0	22	21	95.5	169	166	98.2
Pickup truck	861	815	94.7	4	1	25.0	12	9	75.0	29	27	93.1	64	60	93.8	738	718	97.3
Small truck under 10,000 lbs. GVWR	53	50	94.3	0	0	0.0	1	1	100.0	0	0	0.0	8	8	100.0	43	41	95.3
Cycle	41	38	92.7	1	1	100.0	7	7	100.0	16	15	93.8	8	8	100.0	8	7	87.5
Moped	1	1	100.0	0	0	0.0	0	0	0.0	1	1	100.0	0	0	0.0	0	0	0.0
Go 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	2	2	100.0	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0	0	0	0.0
Off-Road Vehicle (ORV) /All-Terrain Vehicle (ATV)	2	1	50.0	0	0	0.0	1	1	100.0	0	0	0.0	1	0	0.0	0	0	0.0
Other	9	4	44.4	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0	8	4	50.0
Truck/bus over 10,000 lbs.	75	72	96.0	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0	71	70	98.6
Uncoded & errors	20	1	5.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>TOTAL</b>	<b>3,894</b>	<b>3,650</b>	<b>93.7</b>	<b>11</b>	<b>7</b>	<b>63.6</b>	<b>69</b>	<b>58</b>	<b>84.1</b>	<b>121</b>	<b>103</b>	<b>85.1</b>	<b>401</b>	<b>374</b>	<b>93.3</b>	<b>3,205</b>	<b>3,106</b>	<b>96.9</b>

**Restraint use among reported vehicle occupants by age**

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	49	48	98.0	0	0	0.0	6	5	83.3	8	8	100.0	32	32	100.0	3	3	100.0
16 - 20	597	570	95.5	4	1	25.0	11	7	63.6	25	21	84.0	80	74	92.5	476	467	98.1
21 - 64	2,784	2,673	96.0	4	4	100.0	40	35	87.5	78	65	83.3	238	218	91.6	2,424	2,351	97.0
65 +	364	356	97.8	3	2	66.7	12	11	91.7	10	9	90.0	50	49	98.0	289	285	98.6
Other/Unknown	100	3	3.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	13	0	0.0
<b>TOTAL</b>	<b>3,894</b>	<b>3,650</b>	<b>93.7</b>	<b>11</b>	<b>7</b>	<b>63.6</b>	<b>69</b>	<b>58</b>	<b>84.1</b>	<b>121</b>	<b>103</b>	<b>85.1</b>	<b>401</b>	<b>374</b>	<b>93.3</b>	<b>3,205</b>	<b>3,106</b>	<b>96.9</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Almont	3	2	2	2	0	0	1	0	1
Almont Twp.	4	5	3	3	0	0	0	0	3
Arcadia Twp.	1	1	1	1	0	0	0	1	0
Attica Twp.	7	6	3	5	0	1	1	1	2
Brown City	0	0	0	0	0	0	0	0	0
Burlington Twp.	0	0	0	0	0	0	0	0	0
Burnside Twp.	0	1	0	0	0	0	0	0	0
Clifford	0	0	0	0	0	0	0	0	0
Columbiaville	1	1	1	1	0	0	0	1	0
Deerfield Twp.	8	10	6	6	0	1	2	0	3
Dryden	1	1	1	1	0	0	1	0	0
Dryden Twp.	6	6	5	6	0	1	2	1	2
Elba Twp.	6	7	6	6	0	2	2	2	0
Goodland Twp.	2	2	1	2	0	0	0	1	1
Hadley Twp	4	3	3	3	0	0	2	1	0
Imlay City	9	6	4	4	0	0	4	0	0
Imlay Twp.	6	3	2	4	0	0	1	1	2
Lapeer	7	9	5	5	0	1	1	3	0
Lapeer Twp.	6	4	3	5	0	0	1	0	4
Marathon Twp.	7	7	5	7	0	0	2	1	4
Mayfield Twp.	9	8	5	7	0	0	1	2	4
Metamora	0	0	0	0	0	0	0	0	0
Metamora Twp.	7	8	5	5	0	0	2	1	2
North Branch	0	0	0	0	0	0	0	0	0
North Branch Twp.	3	2	2	2	0	0	2	0	0
Oregon Twp.	6	4	4	6	0	0	3	1	2
Otter Lake	0	0	0	0	0	0	0	0	0
Rich Twp.	2	2	2	2	0	1	1	0	0
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Lapeer County TOTAL</b>	<b>105</b>	<b>98</b>	<b>69</b>	<b>83</b>	<b>0</b>	<b>7</b>	<b>29</b>	<b>17</b>	<b>30</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Almont	31	0	0	8	2	0	0	2	2	0	0	0
Almont Twp.	138	0	0	32	3	0	0	0	29	0	0	5
Arcadia Twp.	74	0	0	6	1	0	0	0	9	0	0	3
Attica Twp.	154	2	2	16	5	0	0	3	16	0	0	3
Brown City	0	0	0	0	0	0	0	0	0	0	0	0
Burlington Twp.	44	0	0	8	0	0	0	0	5	0	0	4
Burnside Twp.	91	0	0	25	0	0	0	0	12	0	0	6
Clifford	3	0	0	0	0	0	0	0	0	0	0	0
Columbiaville	9	0	0	1	1	0	0	0	3	0	0	1
Deerfield Twp.	150	1	2	29	6	1	2	3	25	0	0	5
Dryden	10	0	0	2	1	0	0	0	1	0	0	1
Dryden Twp.	136	0	0	13	6	0	0	2	20	0	0	6
Elba Twp.	153	1	1	26	6	1	1	4	29	0	0	10
Goodland Twp.	66	1	1	27	2	0	0	1	12	0	0	2
Hadley Twp.	75	1	1	10	3	0	0	0	17	1	1	3
Imlay City	122	1	1	50	7	1	1	5	9	0	0	1
Imlay Twp.	140	0	0	23	4	0	0	0	19	0	0	6
Lapeer	366	0	0	109	5	0	0	1	14	0	0	0
Lapeer Twp.	217	0	0	49	5	0	0	3	32	0	0	8
Marathon Twp.	91	2	2	32	7	0	0	2	20	1	1	9
Mayfield Twp.	208	0	0	41	8	0	0	2	38	0	0	7
Metamora	9	0	0	2	0	0	0	0	1	0	0	0
Metamora Twp.	177	1	1	36	5	0	0	5	27	0	0	9
North Branch	13	0	0	2	0	0	0	0	1	0	0	0
North Branch Twp.	79	1	1	13	2	0	0	3	14	0	0	1
Oregon Twp.	143	1	1	22	6	0	0	3	36	1	0	12
Otter Lake	3	0	0	0	0	0	0	0	0	0	0	0
Rich Twp.	61	0	0	18	2	0	0	1	5	0	0	4
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Lapeer County TOTAL</b>	<b>2,763</b>	<b>12</b>	<b>13</b>	<b>600</b>	<b>87</b>	<b>3</b>	<b>4</b>	<b>40</b>	<b>396</b>	<b>3</b>	<b>2</b>	<b>106</b>

Restraint use among reported vehicle occupants by municipality

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Almont	58	52	89.7	0	0	0.0	1	1	100.0	0	0	0.0	7	6	85.7	47	45	95.7
Almont Twp.	197	183	92.9	0	0	0.0	3	3	100.0	7	6	85.7	22	20	90.9	161	154	95.7
Arcadia Twp.	81	78	96.3	0	0	0.0	1	1	100.0	0	0	0.0	5	5	100.0	74	72	97.3
Attica Twp.	180	170	94.4	2	1	50.0	1	1	100.0	2	1	50.0	12	10	83.3	161	157	97.5
Brown City	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Burlington Twp.	51	46	90.2	0	0	0.0	2	1	50.0	1	0	0.0	5	4	80.0	43	41	95.3
Burnside Twp.	115	105	91.3	0	0	0.0	7	4	57.1	6	3	50.0	12	12	100.0	88	86	97.7
Clifford	4	4	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	4	4	100.0
Columbiaville	13	12	92.3	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	12	11	91.7
Deerfield Twp.	192	183	95.3	2	1	50.0	3	3	100.0	3	2	66.7	23	20	87.0	159	157	98.7
Dryden	14	13	92.9	0	0	0.0	0	0	0.0	1	1	100.0	1	1	100.0	11	11	100.0
Dryden Twp.	147	138	93.9	0	0	0.0	0	0	0.0	3	3	100.0	10	10	100.0	134	125	93.3
Elba Twp.	188	178	94.7	1	1	100.0	2	2	100.0	7	7	100.0	17	16	94.1	157	152	96.8
Goodland Twp.	93	89	95.7	1	1	100.0	5	5	100.0	10	9	90.0	12	11	91.7	63	63	100.0
Hadley Twp	83	79	95.2	1	0	0.0	0	0	0.0	2	2	100.0	8	8	100.0	71	69	97.2
Imlay City	242	231	95.5	0	0	0.0	4	4	100.0	10	10	100.0	34	33	97.1	191	184	96.3
Imlay Twp.	184	167	90.8	0	0	0.0	4	3	75.0	9	9	100.0	10	9	90.0	154	146	94.8
Lapeer	724	672	92.8	0	0	0.0	9	9	100.0	17	15	88.2	80	77	96.3	595	571	96.0
Lapeer Twp.	281	272	96.8	0	0	0.0	8	5	62.5	10	9	90.0	31	31	100.0	230	227	98.7
Marathon Twp.	115	104	90.4	2	1	50.0	8	5	62.5	5	5	100.0	19	17	89.5	80	76	95.0
Mayfield Twp.	293	275	93.9	0	0	0.0	2	2	100.0	7	6	85.7	31	30	96.8	243	237	97.5
Metamora	16	10	62.5	0	0	0.0	0	0	0.0	1	1	100.0	1	1	100.0	12	8	66.7
Metamora Twp.	249	237	95.2	1	1	100.0	5	5	100.0	9	6	66.7	22	22	100.0	205	202	98.5
North Branch	22	17	77.3	0	0	0.0	1	1	100.0	0	0	0.0	1	1	100.0	15	14	93.3
North Branch Twp.	101	99	98.0	1	1	100.0	2	2	100.0	2	2	100.0	9	8	88.9	86	86	100.0
Oregon Twp.	171	162	94.7	0	0	0.0	1	1	100.0	4	2	50.0	15	12	80.0	147	147	100.0
Otter Lake	3	3	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	3	3	100.0
Rich Twp.	77	71	92.2	0	0	0.0	0	0	0.0	5	4	80.0	13	9	69.2	59	58	98.3
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Lapeer County TOTAL</b>	<b>3,894</b>	<b>3,650</b>	<b>93.7</b>	<b>11</b>	<b>7</b>	<b>63.6</b>	<b>69</b>	<b>58</b>	<b>84.1</b>	<b>121</b>	<b>103</b>	<b>85.1</b>	<b>401</b>	<b>374</b>	<b>93.3</b>	<b>3,205</b>	<b>3,106</b>	<b>96.9</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	64	0	8	56	0	8
February	32	0	5	27	0	6
March	38	1	6	31	1	8
April	26	0	5	21	0	6
May	38	0	5	33	0	6
June	35	0	9	26	0	10
July	69	1	17	51	1	27
August	47	0	12	35	0	18
September	42	1	6	35	1	8
October	56	0	5	51	0	5
November	73	0	8	65	0	10
December	70	0	7	63	0	9
<b>TOTAL</b>	<b>590</b>	<b>3</b>	<b>93</b>	<b>494</b>	<b>3</b>	<b>121</b>

In Leelanau County in 2011 there were:  
590 crashes

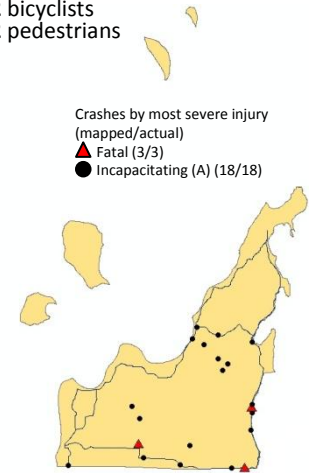
Involving:

865 people

861 motor vehicle drivers and passengers

2 bicyclists

2 pedestrians



## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	3,580	118	1	2.8	84.7
16 - 20	1,285	1,195	88	684.8	736.4
21 - 64	11,761	12,027	500	425.1	415.7
65 +	5,082	5,100	116	228.3	227.5
Other/Unknown	0	0	28	0	0
<b>TOTAL</b>	<b>21,708</b>	<b>18,440</b>	<b>733</b>	<b>337.7</b>	<b>397.5</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Leelanau County Experience

Leelanau County experienced the highest number of fatal crashes (1) and the highest number of persons killed (1) in March, July, and September.

Leelanau County driver statistics indicate 6.5 percent of licensed drivers were age 16-20, and 12.0 percent of drivers in that age group were involved in crashes.



## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	557	76.0	3	75.0	95	459
Van, motorhome	34	4.6	0	0.0	6	28
Pickup truck	109	14.9	1	25.0	19	89
Small truck under 10,000 lbs. GVWR	1	0.1	0	0.0	0	1
Cycle	12	1.6	0	0.0	7	5
Moped	2	0.3	0	0.0	2	0
Go Cart	0	0.0	0	0.0	0	0
Snowmobile	2	0.3	0	0.0	1	1
Off-Road Vehicle (ORV) / All-Terrain Vehicle (ATV)	0	0.0	0	0.0	0	0
Other	0	0.0	0	0.0	0	0
Truck/bus over 10,000 lbs.	11	1.5	0	0.0	3	8
Unknown	5	0.7	0	0.0	1	4
<b>TOTAL</b>	<b>733</b>	<b>100.0</b>	<b>4</b>	<b>100.0</b>	<b>134</b>	<b>595</b>

## Crash Type

	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	456	77.3	2	66.7	12	20	27	395
Head On	4	0.7	1	33.3	1	0	0	2
Head On - Left Turn	14	2.4	0	0.0	0	4	2	8
Angle	43	7.3	0	0.0	3	5	4	31
Rear End	31	5.3	0	0.0	1	1	4	25
Rear End - Left Turn	7	1.2	0	0.0	1	4	1	1
Rear End - Right Turn	0	0.0	0	0.0	0	0	0	0
Sideswipe - Same Direction	15	2.5	0	0.0	0	0	3	12
Sideswipe - Opposite Direct	8	1.4	0	0.0	0	0	0	8
Other/Unknown	12	2.0	0	0.0	0	0	0	12
<b>Total</b>	<b>590</b>	<b>100.0</b>	<b>3</b>	<b>100.0</b>	<b>18</b>	<b>34</b>	<b>41</b>	<b>494</b>

## Relationship to Roadway

Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	398	67.5	1	33.3	8	17	17	355
Median	0	0.0	0	0.0	0	0	0	0
Shoulder	47	8.0	0	0.0	1	2	2	42
Outside of Shoulder/Curb	141	23.9	2	66.7	9	14	21	95
Gore	0	0.0	0	0.0	0	0	0	0
Other/Unknown	4	0.7	0	0.0	0	1	1	2
<b>Total</b>	<b>590</b>	<b>100.0</b>	<b>3</b>	<b>100.0</b>	<b>18</b>	<b>34</b>	<b>41</b>	<b>494</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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	1	0	0	0	0	1
16 - 20	5	8	4	4	0	0	0	0	4
21 - 64	33	39	28	31	0	0	0	0	31
65 +	3	4	2	2	0	0	0	0	2
Other/Unknown	6	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>48</b>	<b>51</b>	<b>34</b>	<b>38</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>38</b>

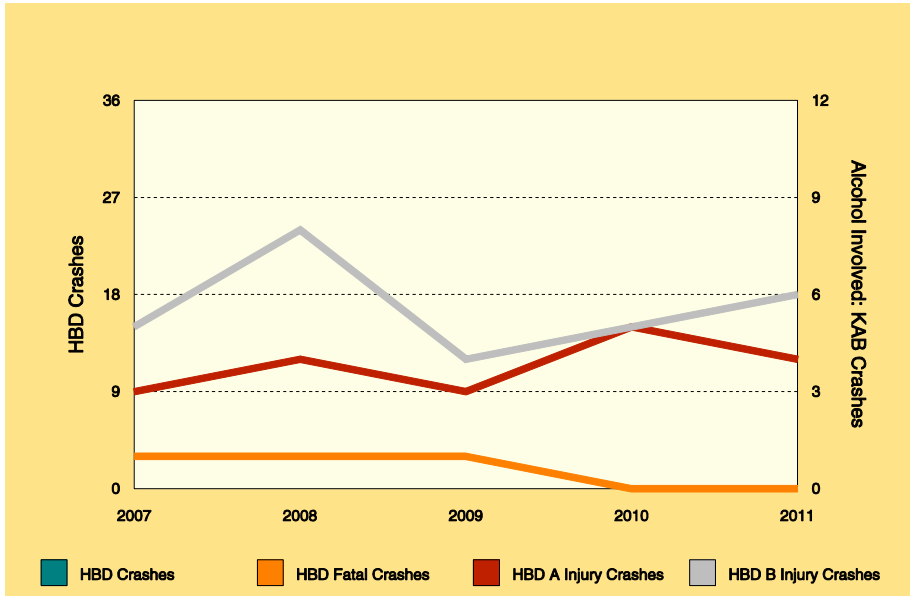
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

LEELANAU	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	652	34	5.2	3	1	33.3	14	3	21.4	33	5	5.0
2008	634	33	5.2	2	1	50.0	15	4	26.7	40	8	20.0
2009	580	28	4.8	1	1	100.0	17	3	17.7	28	4	14.3
2010	580	30	5.2	0	0	0.0	10	5	50.0	20	5	25.0
2011	590	38*	6.4	3	0	0.0	18*	4	22.2	34	6	17.6

\* Highest number reported in the 5-year period.

**Restraint use among reported vehicle occupants by vehicle type**

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	579	529	91.4	2	1	50.0	13	11	84.6	38	34	89.5	39	33	84.6	465	447	96.1
Van, motorhome	34	33	97.1	0	0	0.0	1	1	100.0	0	0	0.0	2	2	100.0	30	30	100.0
Pickup truck	111	104	93.7	1	1	100.0	3	2	66.7	2	2	100.0	8	8	100.0	94	90	95.7
Small truck under 10,000 lbs. GVWR	1	1	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0
Cycle	12	11	91.7	0	0	0.0	3	3	100.0	1	1	100.0	2	2	100.0	6	5	83.3
Moped	2	1	50.0	0	0	0.0	0	0	0.0	1	1	100.0	1	0	0.0	0	0	0.0
Go 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	2	2	100.0	0	0	0.0	1	1	100.0	0	0	0.0	0	0	0.0	1	1	100.0
Off-Road Vehicle (ORV) /All-Terrain Vehicle (ATV)	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Other	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Truck/bus over 10,000 lbs.	11	10	90.9	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0	8	8	100.0
Uncoded & errors	5	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>TOTAL</b>	<b>757</b>	<b>691</b>	<b>91.3</b>	<b>3</b>	<b>2</b>	<b>66.7</b>	<b>21</b>	<b>18</b>	<b>85.7</b>	<b>42</b>	<b>38</b>	<b>90.5</b>	<b>54</b>	<b>47</b>	<b>87.0</b>	<b>605</b>	<b>582</b>	<b>96.2</b>

**Restraint use among reported vehicle occupants by age**

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	3	2	66.7	1	0	0.0	0	0	0.0	1	1	100.0	0	0	0.0	1	1	100.0
16 - 20	93	85	91.4	0	0	0.0	5	3	60.0	11	10	90.9	8	7	87.5	69	65	94.2
21 - 64	511	482	94.3	1	1	100.0	14	13	92.9	22	19	86.4	33	27	81.8	439	420	95.7
65 +	122	122	100.0	1	1	100.0	2	2	100.0	8	8	100.0	13	13	100.0	96	96	100.0
Other/Unknown	28	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>TOTAL</b>	<b>757</b>	<b>691</b>	<b>91.3</b>	<b>3</b>	<b>2</b>	<b>66.7</b>	<b>21</b>	<b>18</b>	<b>85.7</b>	<b>42</b>	<b>38</b>	<b>90.5</b>	<b>54</b>	<b>47</b>	<b>87.0</b>	<b>605</b>	<b>582</b>	<b>96.2</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Bingham Twp.	6	13	5	6	0	0	0	0	6
Centerville Twp.	0	0	0	0	0	0	0	0	0
Cleveland Twp.	5	4	4	5	0	0	0	0	5
Elmwood Twp.	8	9	6	7	0	0	0	0	7
Empire	6	1	1	1	0	0	0	0	1
Empire Twp.	1	1	1	1	0	0	0	0	1
Glen Arbor Twp.	0	0	0	0	0	0	0	0	0
Kasson Twp.	3	2	1	2	0	0	0	0	2
Leelanau Twp	4	7	4	4	0	0	0	0	4
Leland Twp.	7	5	5	5	0	0	0	0	5
Northport	2	2	2	2	0	0	0	0	2
Solon Twp.	4	4	3	3	0	0	0	0	3
Suttons Bay	0	0	0	0	0	0	0	0	0
Suttons Bay Twp.	2	3	2	2	0	0	0	0	2
Traverse City	0	0	0	0	0	0	0	0	0
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Leelanau County TOTAL</b>	<b>48</b>	<b>51</b>	<b>34</b>	<b>38</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>38</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Bingham Twp.	75	1	1	16	6	0	0	2	22	1	1	3
Centerville Twp.	32	0	0	4	0	0	0	0	6	0	0	2
Cleveland Twp.	22	0	0	4	5	0	0	1	7	0	0	2
Elmwood Twp.	86	1	1	33	7	0	0	3	20	0	0	5
Empire	8	0	0	1	1	0	0	1	0	0	0	0
Empire Twp.	43	0	0	4	1	0	0	0	8	0	0	1
Glen Arbor Twp.	22	0	0	4	0	0	0	0	0	0	0	0
Kasson Twp.	56	1	1	6	2	0	0	0	8	0	0	2
Leelanau Twp	39	0	0	4	4	0	0	1	13	0	0	3
Leland Twp.	63	0	0	11	5	0	0	5	9	0	0	2
Northport	13	0	0	4	2	0	0	1	2	0	0	0
Solon Twp.	68	0	0	11	3	0	0	2	14	0	0	6
Suttons Bay	17	0	0	12	0	0	0	0	1	0	0	0
Suttons Bay Twp.	38	0	0	4	2	0	0	1	12	0	0	2
Traverse City	8	0	0	3	0	0	0	0	1	0	0	0
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Leelanau County TOTAL</b>	<b>590</b>	<b>3</b>	<b>3</b>	<b>121</b>	<b>38</b>	<b>0</b>	<b>0</b>	<b>17</b>	<b>123</b>	<b>1</b>	<b>1</b>	<b>28</b>

**Restraint use among reported vehicle occupants by municipality**

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Bingham Twp.	90	77	85.6	1	1	100.0	4	3	75.0	4	4	100.0	8	5	62.5	72	64	88.9
Centerville Twp.	32	30	93.8	0	0	0.0	1	1	100.0	1	1	100.0	2	2	100.0	28	26	92.9
Cleveland Twp.	25	22	88.0	0	0	0.0	2	2	100.0	0	0	0.0	2	1	50.0	21	19	90.5
Elmwood Twp.	122	115	94.3	1	1	100.0	3	3	100.0	16	14	87.5	14	13	92.9	88	84	95.5
Empire	17	10	58.8	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0	11	10	90.9
Empire Twp.	46	45	97.8	0	0	0.0	1	1	100.0	0	0	0.0	3	3	100.0	42	41	97.6
Glen Arbor Twp.	33	27	81.8	0	0	0.0	0	0	0.0	0	0	0.0	4	4	100.0	24	23	95.8
Kasson Twp.	63	61	96.8	1	0	0.0	2	2	100.0	3	2	66.7	1	1	100.0	56	56	100.0
Leelanau Twp.	42	41	97.6	0	0	0.0	0	0	0.0	3	3	100.0	1	1	100.0	36	36	100.0
Leland Twp.	86	72	83.7	0	0	0.0	4	3	75.0	5	4	80.0	1	1	100.0	64	63	98.4
Northport	21	19	90.5	0	0	0.0	0	0	0.0	0	0	0.0	3	2	66.7	17	17	100.0
Solon Twp.	85	81	95.3	0	0	0.0	3	2	66.7	5	5	100.0	2	2	100.0	72	71	98.6
Suttons Bay	34	33	97.1	0	0	0.0	1	1	100.0	3	3	100.0	8	8	100.0	21	21	100.0
Suttons Bay Twp.	44	43	97.7	0	0	0.0	0	0	0.0	1	1	100.0	2	2	100.0	41	40	97.6
Traverse City	17	15	88.2	0	0	0.0	0	0	0.0	1	1	100.0	2	2	100.0	12	11	91.7
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Leelanau County TOTAL</b>	<b>757</b>	<b>691</b>	<b>91.3</b>	<b>3</b>	<b>2</b>	<b>66.7</b>	<b>21</b>	<b>18</b>	<b>85.7</b>	<b>42</b>	<b>38</b>	<b>90.5</b>	<b>54</b>	<b>47</b>	<b>87.0</b>	<b>605</b>	<b>582</b>	<b>96.2</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	270	0	40	230	0	60
February	176	0	29	147	0	36
March	222	1	39	182	1	52
April	130	0	22	108	0	32
May	162	0	44	118	0	61
June	179	0	42	137	0	62
July	161	1	40	120	1	54
August	155	3	53	99	4	75
September	149	1	31	117	1	42
October	219	1	48	170	1	75
November	339	1	37	301	1	53
December	252	0	40	212	0	57
<b>TOTAL</b>	<b>2,414</b>	<b>8</b>	<b>465</b>	<b>1,941</b>	<b>9</b>	<b>659</b>

In Lenawee County in 2011 there were:  
**2,414** crashes

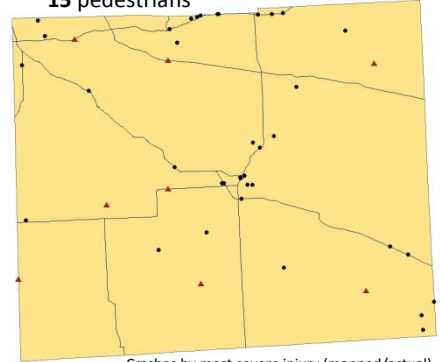
Involving:

**4,469** people

**4,444** motor vehicle drivers and passengers

**10** bicyclists

**15** pedestrians



Crashes by most severe injury (mapped/actual)  
 ▲ Fatal (8/8)  
 ● Incapacitating (A) (38/38)

## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	20,144	545	5	2.5	91.7
16 - 20	7,759	5,294	500	644.4	944.5
21 - 64	57,409	52,918	2,486	433.0	469.8
65 +	14,580	13,676	380	260.6	277.9
Other/Unknown	--	--	203	--	--
<b>TOTAL</b>	<b>99,892</b>	<b>72,433</b>	<b>3,574</b>	<b>357.8</b>	<b>493.4</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	2,464	68.9	10	71.4	533	1,921
Van, motorhome	179	5.0	0	0.0	36	143
Pickup truck	609	17.0	3	21.4	122	484
Small truck under 10,000 lbs. GVWR	108	3.0	0	0.0	13	95
Cycle	48	1.3	1	7.1	40	7
Moped	1	0.0	0	0.0	0	1
Go Cart	0	0.0	0	0.0	0	0
Snowmobile	1	0.0	0	0.0	1	0
Off-Road Vehicle (ORV) / All-Terrain Vehicle (ATV)	6	0.2	0	0.0	5	1
Other	11	0.3	0	0.0	0	11
Truck/bus over 10,000 lbs.	88	2.5	0	0.0	19	69
Unknown	59	1.7	0	0.0	5	54
<b>TOTAL</b>	<b>3,574</b>	<b>100.0</b>	<b>14</b>	<b>100.0</b>	<b>774</b>	<b>2,786</b>

## Lenawee County Experience

Lenawee County experienced the highest number of fatal crashes (3) and the highest number of persons killed (4) in August.

Lenawee County driver statistics indicate 7.3 percent of licensed drivers were age 16-20, and 14.4 percent of drivers in that age group were involved in crashes.

In Lenawee County, motorcycles accounted for only 1.3 percent of the total vehicles in crashes, but were involved in 7.1 percent of the total fatal crashes.



## Crash Type

	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	1,313	54.4	3	37.5	19	62	108	1,121
Head On	42	1.7	1	12.5	3	6	13	19
Head On - Left Turn	52	2.2	0	0.0	3	7	8	34
Angle	354	14.7	3	37.5	7	27	67	250
Rear End	373	15.5	0	0.0	4	11	75	283
Rear End - Left Turn	24	1.0	0	0.0	2	1	6	15
Rear End - Right Turn	12	0.5	0	0.0	0	0	4	8
Sideswipe - Same Direction	112	4.6	0	0.0	0	3	7	102
Sideswipe - Opposite Direct	50	2.1	1	12.5	0	2	5	42
Other/Unknown	82	3.4	0	0.0	0	1	14	67
<b>Total</b>	<b>2,414</b>	<b>100.0</b>	<b>8</b>	<b>100.0</b>	<b>38</b>	<b>120</b>	<b>307</b>	<b>1,941</b>

## Relationship to Roadway

Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	1,840	76.2	7	87.5	26	87	220	1,500
Median	0	0.0	0	0.0	0	0	0	0
Shoulder	87	3.6	0	0.0	3	6	8	70
Outside of Shoulder/Curb	356	14.7	1	12.5	8	20	66	261
Gore	6	0.2	0	0.0	0	0	1	5
Other/Unknown	125	5.2	0	0.0	1	7	12	105
<b>Total</b>	<b>2,414</b>	<b>100.0</b>	<b>8</b>	<b>100.0</b>	<b>38</b>	<b>120</b>	<b>307</b>	<b>1,941</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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	13	19	12	12	0	1	2	0	9
21 - 64	87	94	61	69	1	3	4	4	57
65 +	3	6	1	1	0	0	0	1	0
Other/Unknown	6	0	0	1	0	0	0	0	1
<b>TOTAL</b>	<b>109</b>	<b>119</b>	<b>74</b>	<b>83</b>	<b>1</b>	<b>4</b>	<b>6</b>	<b>5</b>	<b>67</b>

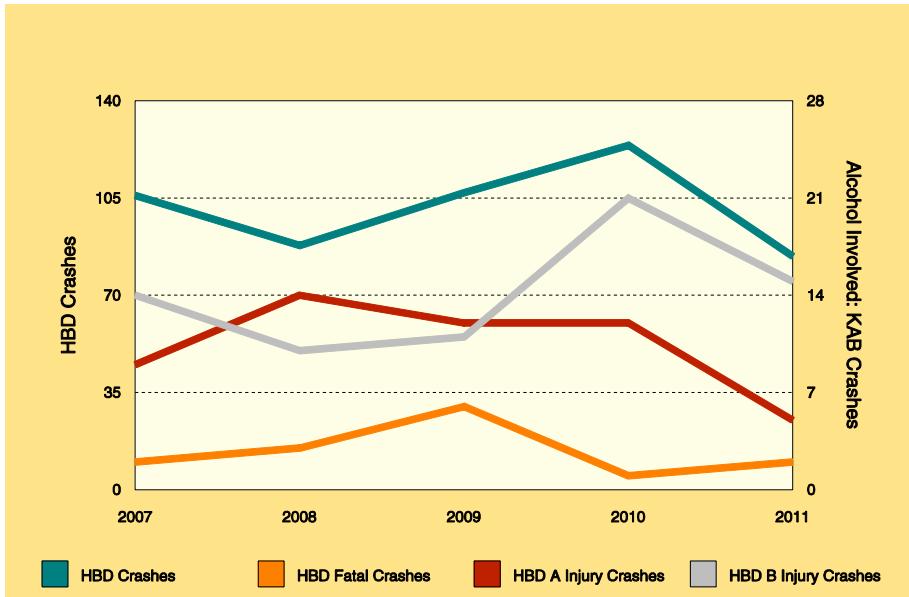
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

LENAWEE	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	2,757	106	3.8	5	2	40.0	60	9	15.0	142	14	9.9
2008	2,676	88	3.3	15	3	20.0	55	14	25.5	126	10	7.9
2009	2,548	107	4.2	10	6	60.0	54	12	22.2	115	11	9.6
2010	2,511	124	4.9	13	1	7.7	50	12	24.0	136	21	15.4
2011	2,414*	84*	3.5	8	2	25.0	38*	5*	13.2	120	15	12.5

\* Lowest number reported in the 5-year period.

## Restraint use among reported vehicle occupants by vehicle type

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	2,597	2,427	93.5	6	5	83.3	26	21	80.8	92	81	88.0	341	319	93.5	2,032	1,991	98.0
Van, motorhome	187	180	96.3	0	0	0.0	0	0	0.0	2	2	100.0	21	20	95.2	160	158	98.8
Pickup truck	636	591	92.9	1	1	100.0	11	9	81.8	17	15	88.2	66	66	100.0	508	498	98.0
Small truck under 10,000 lbs. GVWR	110	103	93.6	0	0	0.0	0	0	0.0	3	2	66.7	5	5	100.0	95	95	100.0
Cycle	54	43	79.6	1	1	100.0	8	7	87.5	24	19	79.2	8	6	75.0	11	9	81.8
Moped	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	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	1	1	100.0	0	0	0.0	1	1	100.0	0	0	0.0	0	0	0.0	0	0	0.0
Off-Road Vehicle (ORV) /All-Terrain Vehicle (ATV)	6	3	50.0	0	0	0.0	1	1	100.0	3	0	0.0	0	0	0.0	1	1	100.0
Other	11	8	72.7	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	11	8	72.7
Truck/bus over 10,000 lbs.	91	80	87.9	0	0	0.0	1	0	0.0	4	4	100.0	4	3	75.0	75	72	96.0
Uncoded & errors	59	1	1.7	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	2	1	50.0
<b>TOTAL</b>	<b>3,753</b>	<b>3,437</b>	<b>91.6</b>	<b>8</b>	<b>7</b>	<b>87.5</b>	<b>48</b>	<b>39</b>	<b>81.3</b>	<b>145</b>	<b>123</b>	<b>84.8</b>	<b>445</b>	<b>419</b>	<b>94.2</b>	<b>2,896</b>	<b>2,833</b>	<b>97.8</b>

## Restraint use among reported vehicle occupants by age

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	47	43	91.5	0	0	0.0	1	0	0.0	13	11	84.6	30	29	96.7	3	3	100.0
16 - 20	531	509	95.9	1	0	0.0	9	7	77.8	29	23	79.3	74	67	90.5	416	410	98.6
21 - 64	2,570	2,493	97.0	4	4	100.0	34	29	85.3	86	73	84.9	294	280	95.2	2,138	2,094	97.9
65 +	397	391	98.5	3	3	100.0	4	3	75.0	16	16	100.0	43	42	97.7	330	326	98.8
Other/Unknown	208	1	0.5	0	0	0.0	0	0	0.0	1	0	0.0	4	1	25.0	9	0	0.0
<b>TOTAL</b>	<b>3,753</b>	<b>3,437</b>	<b>91.6</b>	<b>8</b>	<b>7</b>	<b>87.5</b>	<b>48</b>	<b>39</b>	<b>81.3</b>	<b>145</b>	<b>123</b>	<b>84.8</b>	<b>445</b>	<b>419</b>	<b>94.2</b>	<b>2,896</b>	<b>2,833</b>	<b>97.8</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Addison	0	0	0	0	0	0	0	0	0
Adrian	26	29	15	15	0	0	0	1	14
Adrian Twp.	3	5	2	3	0	0	1	0	2
Blissfield	3	2	2	2	0	0	0	0	2
Blissfield Twp.	0	0	0	0	0	0	0	0	0
Britton	0	0	0	0	0	0	0	0	0
Cambridge Twp.	5	3	3	3	0	0	0	0	3
Cement City	2	2	2	2	0	0	1	0	1
Clayton	0	1	0	0	0	0	0	0	0
Clinton	0	0	0	0	0	0	0	0	0
Clinton Twp.	0	2	0	0	0	0	0	0	0
Deerfield	1	0	0	1	0	0	0	0	1
Deerfield Twp.	4	4	4	4	0	0	1	0	3
Dover Twp.	3	4	1	1	0	0	0	1	0
Fairfield Twp.	3	2	2	2	0	1	0	0	1
Franklin Twp.	2	5	2	2	0	0	0	0	2
Hudson	0	0	0	0	0	0	0	0	0
Hudson Twp.	2	4	2	2	0	1	0	0	1
Macon Twp.	2	5	2	2	0	0	0	0	2
Madison Twp.	10	6	4	7	1	0	0	0	6
Medina Twp.	2	4	1	2	0	0	0	0	2
Morenci	0	0	0	0	0	0	0	0	0
Ogden Twp.	2	1	1	2	0	0	0	0	2
Onsted	0	0	0	0	0	0	0	0	0
Palmyra Twp.	3	6	3	3	0	0	1	0	2
Raisin Twp.	4	4	3	3	0	0	0	1	2
Ridgeway Twp.	1	1	1	1	0	0	1	0	0
Riga Twp.	3	4	3	3	0	1	0	0	2
Rollin Twp.	1	1	1	1	0	0	0	0	1
Rome Twp.	8	6	6	7	0	0	0	0	7
Seneca Twp.	3	3	3	3	0	0	0	1	2
Tecumseh	6	5	3	3	0	0	0	0	3
Tecumseh Twp.	4	3	3	3	0	0	0	0	3
Woodstock Twp.	6	7	5	6	0	1	1	1	3
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Lenawee County TOTAL</b>	<b>109</b>	<b>119</b>	<b>74</b>	<b>83</b>	<b>1</b>	<b>4</b>	<b>6</b>	<b>5</b>	<b>67</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Addison	4	0	0	2	0	0	0	0	1	0	0	0
Adrian	524	0	0	163	17	0	0	9	30	0	0	7
Adrian Twp.	127	0	0	43	3	0	0	1	31	0	0	9
Blissfield	48	0	0	10	2	0	0	3	4	0	0	3
Blissfield Twp.	16	0	0	1	0	0	0	0	7	0	0	1
Britton	2	0	0	1	0	0	0	0	0	0	0	0
Cambridge Twp.	141	1	1	34	4	0	0	2	21	0	0	6
Cement City	3	0	0	1	2	0	0	1	2	0	0	1
Clayton	8	1	1	1	0	0	0	0	1	0	0	0
Clinton	42	0	0	15	0	0	0	0	3	0	0	0
Clinton Twp.	35	0	0	7	0	0	0	0	5	0	0	0
Deerfield	1	0	0	2	1	0	0	2	0	0	0	0
Deerfield Twp.	20	0	0	5	4	0	0	2	6	0	0	1
Dover Twp.	54	1	2	15	1	1	2	3	14	0	0	5
Fairfield Twp.	42	1	1	12	2	1	1	2	3	0	0	1
Franklin Twp.	107	0	0	31	2	0	0	1	21	0	0	5
Hudson	15	0	0	9	0	0	0	0	0	0	0	0
Hudson Twp.	61	0	0	5	2	0	0	0	5	0	0	2
Macon Twp.	38	1	1	13	2	0	0	1	6	0	0	0
Madison Twp.	128	0	0	28	6	0	0	1	8	0	0	3
Medina Twp.	39	1	1	7	2	0	0	0	5	0	0	0
Morenci	3	0	0	0	0	0	0	0	0	0	0	0
Ogden Twp.	21	0	0	10	2	0	0	1	5	0	0	2
Onsted	7	0	0	0	0	0	0	0	1	0	0	0
Palmyra Twp.	83	0	0	19	3	0	0	1	15	0	0	5
Raisin Twp.	186	0	0	60	3	0	0	2	35	0	0	18
Ridgeway Twp.	37	0	0	13	1	0	0	0	9	0	0	4
Riga Twp.	54	1	1	33	3	0	0	2	13	0	0	3
Rollin Twp.	48	0	0	11	1	0	0	0	10	0	0	4
Rome Twp.	103	0	0	23	7	0	0	1	20	0	0	9
Seneca Twp.	41	0	0	5	3	0	0	0	7	0	0	1
Tecumseh	154	0	0	26	3	0	0	1	5	0	0	0
Tecumseh Twp.	63	0	0	17	3	0	0	2	9	0	0	4
Woodstock Twp.	159	1	1	37	5	0	0	9	20	0	0	4
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Lenawee County TOTAL</b>	<b>2,414</b>	<b>8</b>	<b>9</b>	<b>659</b>	<b>84</b>	<b>2</b>	<b>3</b>	<b>47</b>	<b>322</b>	<b>0</b>	<b>0</b>	<b>98</b>

Restraint use among reported vehicle occupants by municipality

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Addison	6	6	100.0	0	0	0.0	0	0	0.0	1	1	100.0	1	1	100.0	4	4	100.0
Adrian	1,043	923	88.5	0	0	0.0	9	7	77.8	29	23	79.3	115	112	97.4	785	774	98.6
Adrian Twp.	187	179	95.7	0	0	0.0	2	2	100.0	16	14	87.5	25	24	96.0	141	139	98.6
Blissfield	87	65	74.7	0	0	0.0	0	0	0.0	2	2	100.0	8	8	100.0	58	54	93.1
Blissfield Twp.	19	18	94.7	0	0	0.0	0	0	0.0	1	1	100.0	0	0	0.0	16	16	100.0
Britton	4	4	100.0	0	0	0.0	0	0	0.0	1	1	100.0	0	0	0.0	3	3	100.0
Cambridge Twp.	175	165	94.3	1	1	100.0	1	0	0.0	15	12	80.0	18	17	94.4	137	133	97.1
Cement City	3	3	100.0	0	0	0.0	1	1	100.0	0	0	0.0	0	0	0.0	2	2	100.0
Clayton	14	11	78.6	1	0	0.0	1	0	0.0	0	0	0.0	0	0	0.0	11	11	100.0
Clinton	82	71	86.6	0	0	0.0	1	1	100.0	0	0	0.0	12	9	75.0	63	61	96.8
Clinton Twp.	51	49	96.1	0	0	0.0	1	1	100.0	3	3	100.0	3	3	100.0	42	41	97.6
Deerfield	2	1	50.0	0	0	0.0	0	0	0.0	2	1	50.0	0	0	0.0	0	0	0.0
Deerfield Twp.	23	19	82.6	0	0	0.0	0	0	0.0	0	0	0.0	5	3	60.0	17	16	94.1
Dover Twp.	71	62	87.3	2	2	100.0	1	0	0.0	2	2	100.0	12	11	91.7	50	47	94.0
Fairfield Twp.	55	53	96.4	1	1	100.0	2	2	100.0	5	5	100.0	5	5	100.0	42	40	95.2
Franklin Twp.	145	134	92.4	0	0	0.0	7	6	85.7	7	7	100.0	17	13	76.5	110	108	98.2
Hudson	27	27	100.0	0	0	0.0	0	0	0.0	2	2	100.0	4	4	100.0	21	21	100.0
Hudson Twp.	67	63	94.0	0	0	0.0	0	0	0.0	0	0	0.0	5	5	100.0	60	58	96.7
Macon Twp.	51	49	96.1	1	1	100.0	3	2	66.7	2	2	100.0	8	8	100.0	36	36	100.0
Madison Twp.	195	178	91.3	0	0	0.0	1	1	100.0	4	4	100.0	23	21	91.3	155	152	98.1
Medina Twp.	45	41	91.1	0	0	0.0	0	0	0.0	2	1	50.0	5	5	100.0	37	35	94.6
Morenci	6	5	83.3	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	5	5	100.0
Ogden Twp.	28	28	100.0	0	0	0.0	1	1	100.0	4	4	100.0	5	5	100.0	18	18	100.0
Onsted	11	10	90.9	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	11	10	90.9
Palmyra Twp.	110	102	92.7	0	0	0.0	0	0	0.0	3	2	66.7	16	15	93.8	86	84	97.7
Raisin Twp.	282	273	96.8	0	0	0.0	1	1	100.0	15	15	100.0	44	42	95.5	216	214	99.1
Ridgeway Twp.	57	51	89.5	0	0	0.0	0	0	0.0	4	4	100.0	9	8	88.9	40	39	97.5
Riga Twp.	82	74	90.2	1	1	100.0	6	5	83.3	5	2	40.0	21	18	85.7	49	48	98.0
Rollin Twp.	61	59	96.7	0	0	0.0	0	0	0.0	2	2	100.0	9	9	100.0	49	48	98.0
Rome Twp.	134	127	94.8	0	0	0.0	1	1	100.0	4	3	75.0	18	17	94.4	109	106	97.2
Seneca Twp.	47	45	95.7	0	0	0.0	0	0	0.0	2	2	100.0	3	3	100.0	41	40	97.6
Tecumseh	276	249	90.2	0	0	0.0	2	2	100.0	5	4	80.0	15	15	100.0	233	226	97.0
Tecumseh Twp.	94	91	96.8	0	0	0.0	0	0	0.0	2	1	50.0	14	14	100.0	77	76	98.7
Woodstock Twp.	213	202	94.8	1	1	100.0	7	6	85.7	5	3	60.0	25	24	96.0	172	168	97.7
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Lenawee County TOTAL</b>	<b>3,753</b>	<b>3,437</b>	<b>91.6</b>	<b>8</b>	<b>7</b>	<b>87.5</b>	<b>48</b>	<b>39</b>	<b>81.3</b>	<b>145</b>	<b>123</b>	<b>84.8</b>	<b>445</b>	<b>419</b>	<b>94.2</b>	<b>2,896</b>	<b>2,833</b>	<b>97.8</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	490	0	81	409	0	104
February	359	1	54	304	1	75
March	323	1	54	268	1	62
April	274	0	48	226	0	55
May	325	3	65	257	3	85
June	350	2	65	283	2	92
July	287	0	59	228	0	91
August	283	0	55	228	0	81
September	328	2	55	271	2	75
October	414	4	64	346	4	83
November	475	3	60	412	3	72
December	407	1	56	350	1	82
<b>TOTAL</b>	<b>4,315</b>	<b>17</b>	<b>716</b>	<b>3,582</b>	<b>17</b>	<b>957</b>

In Livingston County in 2011 there were:  
**4,315** crashes

Involving:

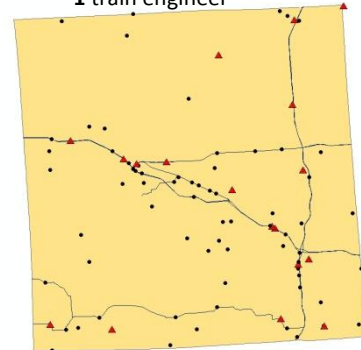
**7,965** people

**7,933** motor vehicle drivers and passengers

**13** bicyclists

**18** pedestrians

**1** train engineer



Crashes by most severe injury (mapped/actual)

▲ Fatal (17/17)

● Incapacitating (A) (69/69)

## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	40,265	1,542	14	3.5	90.8
16 - 20	12,013	12,374	1,166	970.6	942.3
21 - 64	107,045	108,702	5,081	474.7	467.4
65 +	21,644	21,418	522	241.2	243.7
Other/Unknown	--	--	245	--	--
<b>TOTAL</b>	<b>180,967</b>	<b>144,036</b>	<b>7,028</b>	<b>388.4</b>	<b>487.9</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	5,627	80.1	12	54.5	950	4,665
Van, motorhome	184	2.6	0	0.0	35	149
Pickup truck	793	11.3	2	9.1	152	639
Small truck under 10,000 lbs. GVWR	87	1.2	0	0.0	13	74
Cycle	68	1.0	7	31.8	45	16
Moped	2	0.0	0	0.0	2	0
Go Cart	0	0.0	0	0.0	0	0
Snowmobile	1	0.0	0	0.0	1	0
Off-Road Vehicle (ORV) / All-Terrain Vehicle (ATV)	3	0.0	0	0.0	3	0
Other	32	0.5	0	0.0	5	27
Truck/bus over 10,000 lbs.	187	2.7	1	4.5	26	160
Unknown	44	0.6	0	0.0	2	42
<b>TOTAL</b>	<b>7,028</b>	<b>100.0</b>	<b>22</b>	<b>100.0</b>	<b>1,234</b>	<b>5,772</b>

## Livingston County Experience

Livingston County experienced the highest number of fatal crashes (4) and the highest number of persons killed (4) in October.

Livingston County driver statistics indicate 8.6 percent of licensed drivers were age 16-20, and 16.6 percent of drivers in that age group were involved in crashes.

In Livingston County, motorcycles accounted for only 1.0 percent of the total vehicles in crashes, but were involved in 31.8 percent of the total fatal crashes.



Crash Type								
	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	1,875	43.5	12	70.6	34	115	148	1,566
Head On	50	1.2	1	5.9	7	14	7	21
Head On - Left Turn	85	2.0	0	0.0	6	7	18	54
Angle	493	11.4	1	5.9	11	29	58	394
Rear End	1,016	23.5	1	5.9	8	41	139	827
Rear End - Left Turn	73	1.7	0	0.0	0	5	15	53
Rear End - Right Turn	83	1.9	0	0.0	0	1	4	78
Sideswipe - Same Direction	402	9.3	0	0.0	0	5	20	377
Sideswipe - Opposite Direct	102	2.4	0	0.0	1	6	5	90
Other/Unknown	136	3.2	2	11.8	2	4	6	122
<b>Total</b>	<b>4,315</b>	<b>100.0</b>	<b>17</b>	<b>100.0</b>	<b>69</b>	<b>227</b>	<b>420</b>	<b>3,582</b>

Relationship to Roadway								
Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	3,353	77.7	6	35.3	45	154	311	2,837
Median	65	1.5	0	0.0	1	3	4	57
Shoulder	299	6.9	1	5.9	6	18	33	241
Outside of Shoulder/Curb	531	12.3	10	58.8	15	48	68	390
Gore	16	0.4	0	0.0	0	1	0	15
Other/Unknown	51	1.2	0	0.0	2	3	4	42
<b>Total</b>	<b>4,315</b>	<b>100.0</b>	<b>17</b>	<b>100.0</b>	<b>69</b>	<b>227</b>	<b>420</b>	<b>3,582</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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	31	29	21	22	3	4	9	0	6
21 - 64	201	160	121	150	4	14	38	32	62
65 +	7	4	3	3	0	1	1	0	1
Other/Unknown	4	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>244</b>	<b>193</b>	<b>145</b>	<b>175</b>	<b>7</b>	<b>19</b>	<b>48</b>	<b>32</b>	<b>69</b>

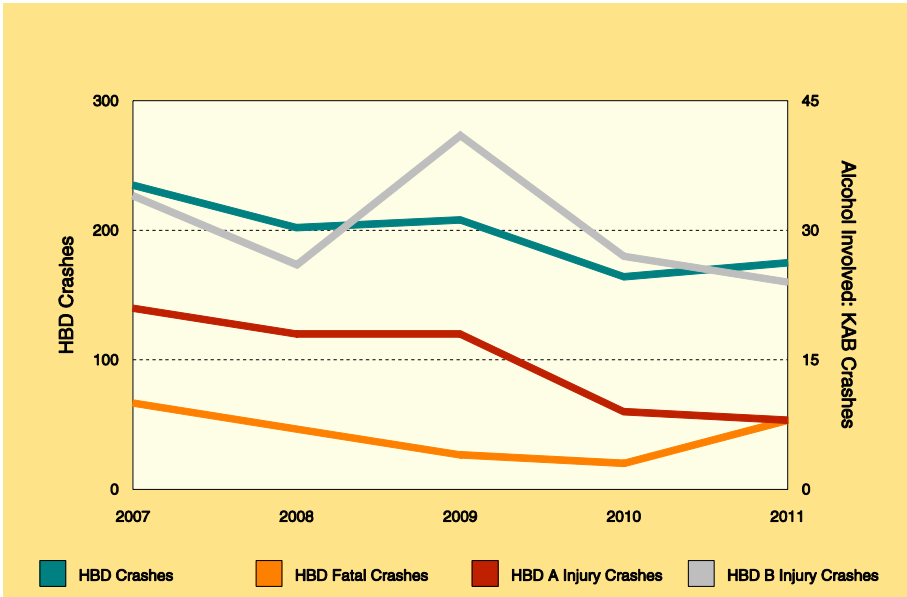
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

LIVINGSTON	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	5,401	235	4.4	19	10	52.6	94	21	22.3	266	34	12.8
2008	5,165	202	3.9	15	7	46.7	85	18	21.2	232	26	11.2
2009	4,906	208	4.2	14	4	28.6	110	18	16.4	259	41	15.8
2010	4,340	164	3.8	14	3	21.4	90	9	10.0	251	27	10.8
2011	4,315*	175	4.1	17	8	47.1	69*	8*	11.6	227*	24*	10.6

\* Lowest number reported in the 5-year period.

**Restraint use among reported vehicle occupants by vehicle type**

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	5,786	5,521	95.4	8	4	50.0	63	47	74.6	218	201	92.2	460	444	96.5	4,914	4,823	98.1
Van, motorhome	185	180	97.3	0	0	0.0	0	0	0.0	4	4	100.0	17	17	100.0	161	159	98.8
Pickup truck	819	759	92.7	0	0	0.0	7	5	71.4	36	34	94.4	57	51	89.5	689	669	97.1
Small truck under 10,000 lbs. GVWR	88	83	94.3	0	0	0.0	0	0	0.0	4	1	25.0	4	4	100.0	78	78	100.0
Cycle	70	69	98.6	7	7	100.0	7	7	100.0	25	25	100.0	14	13	92.9	17	17	100.0
Moped	2	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0	1	0	0.0	0	0	0.0
Go 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	1	1	100.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	0	0	0.0
Off-Road Vehicle (ORV) /All-Terrain Vehicle (ATV)	6	3	50.0	0	0	0.0	0	0	0.0	3	2	66.7	1	1	100.0	2	0	0.0
Other	32	22	68.8	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0	26	20	76.9
Truck/bus over 10,000 lbs.	187	176	94.1	0	0	0.0	0	0	0.0	2	2	100.0	6	6	100.0	170	167	98.2
Uncoded & errors	44	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	2	0	0.0
<b>TOTAL</b>	<b>7,220</b>	<b>6,814</b>	<b>94.4</b>	<b>15</b>	<b>11</b>	<b>73.3</b>	<b>77</b>	<b>59</b>	<b>76.6</b>	<b>293</b>	<b>269</b>	<b>91.8</b>	<b>563</b>	<b>539</b>	<b>95.7</b>	<b>6,059</b>	<b>5,933</b>	<b>97.9</b>

**Restraint use among reported vehicle occupants by age**

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	67	64	95.5	0	0	0.0	2	2	100.0	23	22	95.7	29	29	100.0	13	11	84.6
16 - 20	1,210	1,176	97.2	3	2	66.7	16	11	68.8	67	59	88.1	90	84	93.3	1,034	1,020	98.6
21 - 64	5,160	5,039	97.7	11	8	72.7	48	35	72.9	170	157	92.4	397	383	96.5	4,533	4,455	98.3
65 +	538	530	98.5	1	1	100.0	11	11	100.0	33	31	93.9	46	43	93.5	447	444	99.3
Other/Unknown	245	5	2.0	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0	32	3	9.4
<b>TOTAL</b>	<b>7,220</b>	<b>6,814</b>	<b>94.4</b>	<b>15</b>	<b>11</b>	<b>73.3</b>	<b>77</b>	<b>59</b>	<b>76.6</b>	<b>293</b>	<b>269</b>	<b>91.8</b>	<b>563</b>	<b>539</b>	<b>95.7</b>	<b>6,059</b>	<b>5,933</b>	<b>97.9</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers  
in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol- involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Brighton	12	14	9	9	1	2	1	2	3
Brighton Twp.	31	19	12	20	0	2	5	2	11
Cohoctah Twp.	7	5	5	7	0	2	2	0	3
Conway Twp.	3	3	3	3	0	0	3	0	0
Deerfield Twp.	5	4	3	4	0	1	0	0	3
Fowlerville	1	1	1	1	0	0	1	0	0
Genoa Twp.	31	24	16	19	0	4	6	4	5
Green Oak Twp.	26	29	18	19	1	1	5	6	6
Hamburg Twp.	14	10	10	12	0	3	4	0	5
Handy Twp.	12	5	4	6	0	0	4	0	2
Hartland Twp.	13	14	11	11	3	1	2	3	2
Howell	10	5	4	6	0	0	0	2	4
Howell Twp.	10	9	6	8	0	0	3	1	4
Iosco Twp.	3	2	2	2	0	0	1	0	1
Marion Twp.	20	14	14	15	1	0	4	4	6
Oceola Twp.	17	11	6	9	0	0	2	2	5
Pinckney	1	2	1	1	0	0	0	0	1
Putnam Twp.	5	5	5	5	1	0	2	2	0
Tyrone Twp.	15	12	11	13	0	2	2	4	5
Unadilla Twp.	8	5	4	5	0	1	1	0	3
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Livingston County TOTAL</b>	<b>244</b>	<b>193</b>	<b>145</b>	<b>175</b>	<b>7</b>	<b>19</b>	<b>48</b>	<b>32</b>	<b>69</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Brighton	304	1	1	41	9	0	0	3	28	0	0	3
Brighton Twp.	587	0	0	142	20	0	0	10	119	0	0	30
Cohoctah Twp.	55	0	0	9	6	0	0	3	8	0	0	4
Conway Twp.	57	0	0	15	3	0	0	1	11	0	0	4
Deerfield Twp.	53	1	1	10	4	1	1	1	14	0	0	3
Fowlerville	33	0	0	5	1	0	0	0	1	0	0	0
Genoa Twp.	519	2	2	122	19	0	0	9	94	1	1	14
Green Oak Twp.	506	4	4	112	19	3	3	8	78	1	1	15
Hamburg Twp.	261	0	0	58	12	0	0	5	51	0	0	8
Handy Twp.	164	1	1	39	6	1	1	0	31	0	0	5
Hartland Twp.	364	2	2	60	11	0	0	3	62	0	0	9
Howell	329	1	1	63	6	1	1	4	12	0	0	0
Howell Twp.	220	2	2	55	8	1	1	5	43	0	0	5
Iosco Twp.	52	0	0	11	2	0	0	1	14	0	0	6
Marion Twp.	201	0	0	54	15	0	0	9	66	0	0	17
Oceola Twp.	220	0	0	66	9	0	0	3	34	0	0	10
Pinckney	50	0	0	13	1	0	0	2	3	0	0	0
Putnam Twp.	111	0	0	23	5	0	0	0	31	0	0	8
Tyrone Twp.	158	1	1	31	13	0	0	6	61	1	1	9
Unadilla Twp.	71	2	2	28	6	1	1	5	25	1	1	9
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Livingston County TOTAL</b>	<b>4,315</b>	<b>17</b>	<b>17</b>	<b>957</b>	<b>175</b>	<b>8</b>	<b>8</b>	<b>78</b>	<b>786</b>	<b>4</b>	<b>4</b>	<b>159</b>

## Restraint use among reported vehicle occupants by municipality

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Brighton	583	554	95.0	1	1	100.0	3	2	66.7	9	8	88.9	28	28	100.0	524	515	98.3
Brighton Twp.	967	912	94.3	0	0	0.0	4	3	75.0	36	34	94.4	101	95	94.1	794	780	98.2
Cohoctah Twp.	68	63	92.6	0	0	0.0	0	0	0.0	0	0	0.0	7	6	85.7	59	57	96.6
Conway Twp.	73	70	95.9	0	0	0.0	1	1	100.0	3	3	100.0	11	10	90.9	56	56	100.0
Deerfield Twp.	62	60	96.8	0	0	0.0	0	0	0.0	5	5	100.0	3	3	100.0	54	52	96.3
Fowlerville	62	61	98.4	0	0	0.0	0	0	0.0	3	3	100.0	2	2	100.0	57	56	98.2
Genoa Twp.	917	862	94.0	2	2	100.0	14	11	78.6	31	27	87.1	76	73	96.1	762	749	98.3
Green Oak Twp.	942	893	94.8	3	2	66.7	12	9	75.0	31	28	90.3	63	61	96.8	809	793	98.0
Hamburg Twp.	398	374	94.0	0	0	0.0	3	2	66.7	32	28	87.5	22	19	86.4	336	325	96.7
Handy Twp.	272	250	91.9	1	1	100.0	4	2	50.0	10	9	90.0	24	23	95.8	227	215	94.7
Hartland Twp.	588	569	96.8	2	2	100.0	1	1	100.0	15	14	93.3	42	41	97.6	519	511	98.5
Howell	668	613	91.8	1	0	0.0	2	2	100.0	16	16	100.0	42	41	97.6	558	554	99.3
Howell Twp.	354	336	94.9	2	1	50.0	10	8	80.0	18	18	100.0	27	26	96.3	290	283	97.6
Iosco Twp.	61	59	96.7	0	0	0.0	2	1	50.0	4	4	100.0	4	4	100.0	50	50	100.0
Marion Twp.	279	257	92.1	0	0	0.0	5	4	80.0	15	11	73.3	34	33	97.1	220	209	95.0
Oceola Twp.	369	358	97.0	0	0	0.0	5	4	80.0	22	22	100.0	39	39	100.0	296	291	98.3
Pinckney	91	90	98.9	0	0	0.0	1	1	100.0	3	3	100.0	7	7	100.0	79	79	100.0
Putnam Twp.	161	147	91.3	0	0	0.0	1	1	100.0	15	13	86.7	7	5	71.4	136	128	94.1
Tyrone Twp.	218	205	94.0	1	1	100.0	3	2	66.7	11	11	100.0	17	17	100.0	176	173	98.3
Unadilla Twp.	87	81	93.1	2	1	50.0	6	5	83.3	14	12	85.7	7	6	85.7	57	57	100.0
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Livingston County TOTAL</b>	<b>7,220</b>	<b>6,814</b>	<b>94.4</b>	<b>15</b>	<b>11</b>	<b>73.3</b>	<b>77</b>	<b>59</b>	<b>76.6</b>	<b>293</b>	<b>269</b>	<b>91.8</b>	<b>563</b>	<b>539</b>	<b>95.7</b>	<b>6,059</b>	<b>5,933</b>	<b>97.9</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	18	0	1	17	0	2
February	12	1	3	8	1	11
March	12	1	2	9	1	7
April	16	0	3	13	0	3
May	6	0	0	6	0	0
June	13	0	3	10	0	3
July	19	0	3	16	0	4
August	12	0	3	9	0	5
September	12	0	4	8	0	6
October	19	0	3	16	0	3
November	27	0	3	24	0	3
December	23	0	4	19	0	4
<b>TOTAL</b>	<b>189</b>	<b>2</b>	<b>32</b>	<b>155</b>	<b>2</b>	<b>51</b>

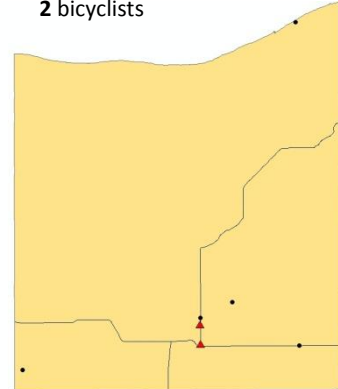
In Luce County in 2011 there were:

**189** crashes

Involving:

**276** people

**274** motor vehicle drivers and passengers  
**2** bicyclists



Crashes by most severe injury (mapped/actual)

- ▲ Fatal (2/2)
- Incapacitating (A) (5/5)

## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	1,033	34	4	38.7	1176.5
16 - 20	331	274	20	604.2	729.9
21 - 64	4,082	2,968	162	396.9	545.8
65 +	1,185	1,078	29	244.7	269.0
Other/Unknown	--	--	15	--	--
<b>TOTAL</b>	<b>6,631</b>	<b>4,354</b>	<b>230</b>	<b>346.9</b>	<b>528.2</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	152	66.1	2	40.0	27	123
Van, motorhome	11	4.8	1	20.0	0	10
Pickup truck	46	20.0	2	40.0	7	37
Small truck under 10,000 lbs. GVWR	5	2.2	0	0.0	1	4
Cycle	3	1.3	0	0.0	3	0
Moped	0	0.0	0	0.0	0	0
Go Cart	0	0.0	0	0.0	0	0
Snowmobile	2	0.9	0	0.0	2	0
Off-Road Vehicle (ORV) / All-Terrain Vehicle (ATV)	2	0.9	0	0.0	1	1
Other	0	0.0	0	0.0	0	0
Truck/bus over 10,000 lbs.	3	1.3	0	0.0	0	3
Unknown	6	2.6	0	0.0	1	5
<b>TOTAL</b>	<b>230</b>	<b>100.0</b>	<b>5</b>	<b>100.0</b>	<b>42</b>	<b>183</b>

## Luce County Experience

Luce County experienced the highest number of fatal crashes (1) and the highest number of persons killed (1) in February and March.

Luce County driver statistics indicate 6.3 percent of licensed drivers were age 16-20, and 8.7 percent of drivers in that age group were involved in crashes.



Crash Type								
	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	143	75.7	0	0.0	3	8	9	123
Head On	3	1.6	1	50.0	0	0	0	2
Head On - Left Turn	1	0.5	0	0.0	0	0	0	1
Angle	7	3.7	1	50.0	1	2	1	2
Rear End	11	5.8	0	0.0	1	1	1	8
Rear End - Left Turn	4	2.1	0	0.0	0	0	1	3
Rear End - Right Turn	0	0.0	0	0.0	0	0	0	0
Sideswipe - Same Direction	3	1.6	0	0.0	0	0	0	3
Sideswipe - Opposite Direct	2	1.1	0	0.0	0	0	1	1
Other/Unknown	15	7.9	0	0.0	0	0	3	12
<b>Total</b>	<b>189</b>	<b>100.0</b>	<b>2</b>	<b>100.0</b>	<b>5</b>	<b>11</b>	<b>16</b>	<b>155</b>

Relationship to Roadway								
Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	137	72.5	2	100.0	3	4	6	122
Median	0	0.0	0	0.0	0	0	0	0
Shoulder	19	10.1	0	0.0	1	2	1	15
Outside of Shoulder/Curb	23	12.2	0	0.0	0	4	8	11
Gore	1	0.5	0	0.0	0	0	0	1
Other/Unknown	9	4.8	0	0.0	1	1	1	6
<b>Total</b>	<b>189</b>	<b>100.0</b>	<b>2</b>	<b>100.0</b>	<b>5</b>	<b>11</b>	<b>16</b>	<b>155</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				Total drivers coded drinking	BAC = 0.00	BAC 0.01 g/dL to 0.07 g/dL	BAC 0.08 g/dL to 0.16 g/dL	BAC 0.17 g/dL and above	BAC not reported
0 - 15	0	0	0	0	0	0	0	0	0
16 - 20	2	2	1	2	0	0	0	1	1
21 - 64	5	4	1	3	0	0	0	1	2
65 +	0	1	0	0	0	0	0	0	0
Other/Unknown	2	0	0	1	0	0	0	0	1
<b>TOTAL</b>	<b>9</b>	<b>7</b>	<b>2</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>4</b>

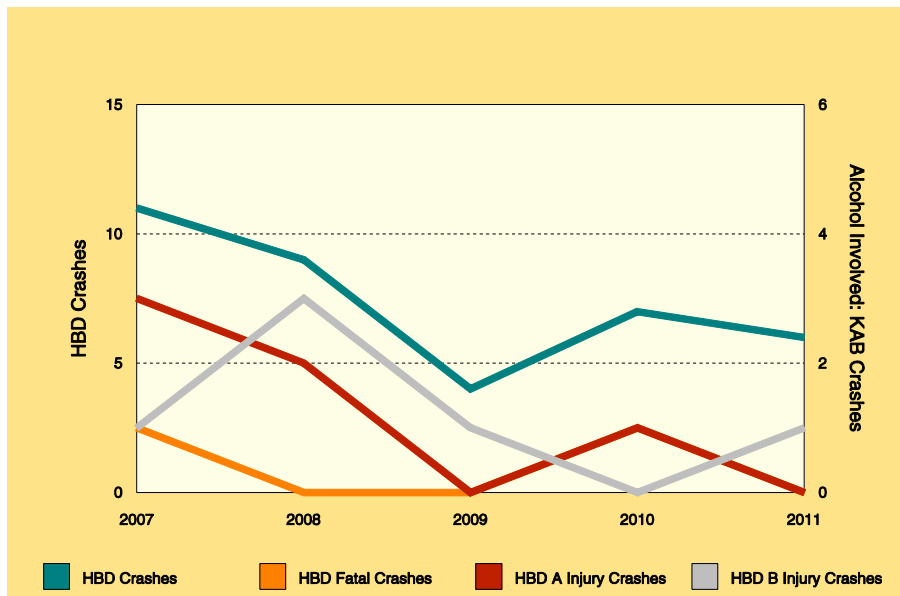
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

LUCE	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	228	11	4.8	2	1	50.0	16	3	18.8	12	1	8.3
2008	249	9	3.6	1	0	0.0	7	2	28.6	10	3	30.0
2009	197	4	2.0	1	0	0.0	2	0	0.0	11	1	9.1
2010	194	7	3.6	2	1	50.0	18	1	5.6	8	0	0.0
2011	189*	6	3.2	2	0	0.0	5	0	0.0	11	1	9.1

\* Lowest number reported in the 5-year period.

**Restraint use among reported vehicle occupants by vehicle type**

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	161	141	87.6	1	1	100.0	3	3	100.0	9	7	77.8	15	13	86.7	126	117	92.9
Van, motorhome	13	10	76.9	1	0	0.0	0	0	0.0	1	1	100.0	1	1	100.0	9	8	88.9
Pickup truck	52	47	90.4	0	0	0.0	0	0	0.0	5	3	60.0	8	8	100.0	39	36	92.3
Small truck under 10,000 lbs. GVWR	6	6	100.0	0	0	0.0	0	0	0.0	1	1	100.0	1	1	100.0	4	4	100.0
Cycle	4	4	100.0	0	0	0.0	2	2	100.0	0	0	0.0	1	1	100.0	1	1	100.0
Moped	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	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	2	2	100.0	0	0	0.0	1	1	100.0	0	0	0.0	1	1	100.0	0	0	0.0
Off-Road Vehicle (ORV) /All-Terrain Vehicle (ATV)	2	1	50.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	1	0	0.0
Other	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Truck/bus over 10,000 lbs.	3	3	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	3	3	100.0
Uncoded & errors	6	1	16.7	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0
<b>TOTAL</b>	<b>249</b>	<b>215</b>	<b>86.3</b>	<b>2</b>	<b>1</b>	<b>50.0</b>	<b>6</b>	<b>6</b>	<b>100.0</b>	<b>16</b>	<b>12</b>	<b>75.0</b>	<b>28</b>	<b>26</b>	<b>92.9</b>	<b>184</b>	<b>170</b>	<b>92.4</b>

**Restraint use among reported vehicle occupants by age**

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	9	7	77.8	0	0	0.0	0	0	0.0	0	0	0.0	6	6	100.0	3	1	33.3
16 - 20	22	20	90.9	0	0	0.0	1	1	100.0	3	3	100.0	5	4	80.0	13	12	92.3
21 - 64	174	160	92.0	1	1	100.0	5	5	100.0	13	9	69.2	15	14	93.3	140	131	93.6
65 +	29	27	93.1	1	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0	26	25	96.2
Other/Unknown	15	1	6.7	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	2	1	50.0
<b>TOTAL</b>	<b>249</b>	<b>215</b>	<b>86.3</b>	<b>2</b>	<b>1</b>	<b>50.0</b>	<b>6</b>	<b>6</b>	<b>100.0</b>	<b>16</b>	<b>12</b>	<b>75.0</b>	<b>28</b>	<b>26</b>	<b>92.9</b>	<b>184</b>	<b>170</b>	<b>92.4</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Columbus Twp.	0	0	0	0	0	0	0	0	0
Lakefield Twp.	0	0	0	0	0	0	0	0	0
McMillan Twp.	3	1	1	2	0	0	0	1	1
Newberry	4	1	1	3	0	0	0	1	2
Pentland Twp.	2	5	0	1	0	0	0	0	1
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Luce County TOTAL</b>	<b>9</b>	<b>7</b>	<b>2</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>4</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Columbus Twp.	23	0	0	9	0	0	0	0	6	0	0	7
Lakefield Twp.	47	0	0	4	0	0	0	0	6	0	0	1
McMillan Twp.	24	0	0	11	2	0	0	2	4	0	0	3
Newberry	21	0	0	4	3	0	0	1	3	0	0	0
Pentland Twp.	74	2	2	23	1	0	0	0	12	0	0	7
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Luce County TOTAL</b>	<b>189</b>	<b>2</b>	<b>2</b>	<b>51</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>31</b>	<b>0</b>	<b>0</b>	<b>18</b>

Restraint use among reported vehicle occupants by municipality																		
Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Columbus Twp.	27	26	96.3	0	0	0.0	0	0	0.0	2	2	100.0	7	7	100.0	18	17	94.4
Lakefield Twp.	50	48	96.0	0	0	0.0	1	1	100.0	2	2	100.0	1	1	100.0	46	44	95.7
McMillan Twp.	37	33	89.2	0	0	0.0	4	4	100.0	4	3	75.0	3	3	100.0	26	23	88.5
Newberry	33	19	57.6	0	0	0.0	0	0	0.0	0	0	0.0	3	3	100.0	20	16	80.0
Pentland Twp.	102	89	87.3	2	1	50.0	1	1	100.0	8	5	62.5	14	12	85.7	74	70	94.6
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Luce County TOTAL</b>	<b>249</b>	<b>215</b>	<b>86.3</b>	<b>2</b>	<b>1</b>	<b>50.0</b>	<b>6</b>	<b>6</b>	<b>100.0</b>	<b>16</b>	<b>12</b>	<b>75.0</b>	<b>28</b>	<b>26</b>	<b>92.9</b>	<b>184</b>	<b>170</b>	<b>92.4</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	70	0	8	62	0	8
February	21	0	2	19	0	2
March	59	0	6	53	0	6
April	30	0	2	28	0	2
May	36	0	6	30	0	6
June	35	0	5	30	0	9
July	43	1	9	33	1	13
August	33	1	7	25	1	10
September	40	0	2	38	0	2
October	39	0	5	34	0	8
November	32	0	3	29	0	3
December	41	0	5	36	0	7
<b>TOTAL</b>	<b>479</b>	<b>2</b>	<b>60</b>	<b>417</b>	<b>2</b>	<b>76</b>

In Mackinac County in 2011 there were:  
479 crashes

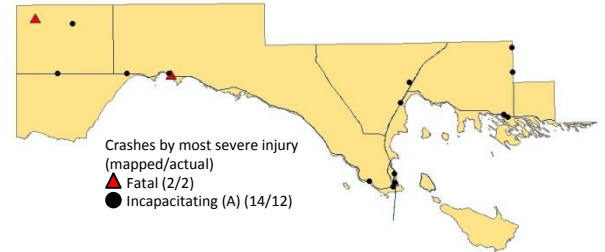
Involving:

692 people

687 motor vehicle drivers and passengers

1 bicyclist

4 pedestrians



## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	1,781	55	1	5.6	181.8
16 - 20	587	548	51	868.8	930.7
21 - 64	6,258	6,214	409	653.6	658.2
65 +	2,487	2,435	86	345.8	353.2
Other/Unknown	--	--	13	--	--
<b>TOTAL</b>	<b>11,113</b>	<b>9,252</b>	<b>560</b>	<b>503.9</b>	<b>605.3</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	349	62.3	0	0.0	52	297
Van, motorhome	27	4.8	0	0.0	2	25
Pickup truck	138	24.6	1	33.3	17	120
Small truck under 10,000 lbs. GVWR	8	1.4	0	0.0	2	6
Cycle	9	1.6	1	33.3	7	1
Moped	1	0.2	0	0.0	1	0
Go 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	0.5	0	0.0	2	1
Other	0	0.0	0	0.0	0	0
Truck/bus over 10,000 lbs.	22	3.9	1	33.3	4	17
Unknown	3	0.5	0	0.0	0	3
<b>TOTAL</b>	<b>560</b>	<b>100.0</b>	<b>3</b>	<b>100.0</b>	<b>87</b>	<b>470</b>

## Mackinac County Experience

Mackinac County experienced the highest number of fatal crashes (1) and the highest number of persons killed (1) in July and August.

Mackinac County driver statistics indicate 5.9 percent of licensed drivers were age 16-20, and 9.1 percent of drivers in that age group were involved in crashes.



Crash Type								
	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	401	83.7	1	50.0	8	16	13	363
Head On	2	0.4	0	0.0	0	0	0	2
Head On - Left Turn	1	0.2	0	0.0	0	0	0	1
Angle	17	3.5	1	50.0	0	3	2	11
Rear End	21	4.4	0	0.0	2	1	6	12
Rear End - Left Turn	4	0.8	0	0.0	2	0	0	2
Rear End - Right Turn	1	0.2	0	0.0	0	0	0	1
Sideswipe - Same Direction	15	3.1	0	0.0	0	0	3	12
Sideswipe - Opposite Direct	5	1.0	0	0.0	0	0	1	4
Other/Unknown	12	2.5	0	0.0	0	1	2	9
<b>Total</b>	<b>479</b>	<b>100.0</b>	<b>2</b>	<b>100.0</b>	<b>12</b>	<b>21</b>	<b>27</b>	<b>417</b>

Relationship to Roadway								
Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	351	73.3	0	0.0	5	8	16	322
Median	3	0.6	0	0.0	0	1	0	2
Shoulder	20	4.2	1	50.0	0	3	3	13
Outside of Shoulder/Curb	96	20.0	1	50.0	6	9	8	72
Gore	5	1.0	0	0.0	0	0	0	5
Other/Unknown	4	0.8	0	0.0	1	0	0	3
<b>Total</b>	<b>479</b>	<b>100.0</b>	<b>2</b>	<b>100.0</b>	<b>12</b>	<b>21</b>	<b>27</b>	<b>417</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				Total drivers coded drinking	BAC = 0.00	BAC 0.01 g/dL to 0.07 g/dL	BAC 0.08 g/dL to 0.16 g/dL	BAC 0.17 g/dL and above	BAC not reported
0 - 15	0	0	0	0	0	0	0	0	0
16 - 20	2	2	2	2	0	0	0	0	2
21 - 64	23	27	17	22	0	3	4	4	11
65 +	2	2	1	1	0	0	0	0	1
Other/Unknown	1	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>28</b>	<b>31</b>	<b>20</b>	<b>25</b>	<b>0</b>	<b>3</b>	<b>4</b>	<b>4</b>	<b>14</b>

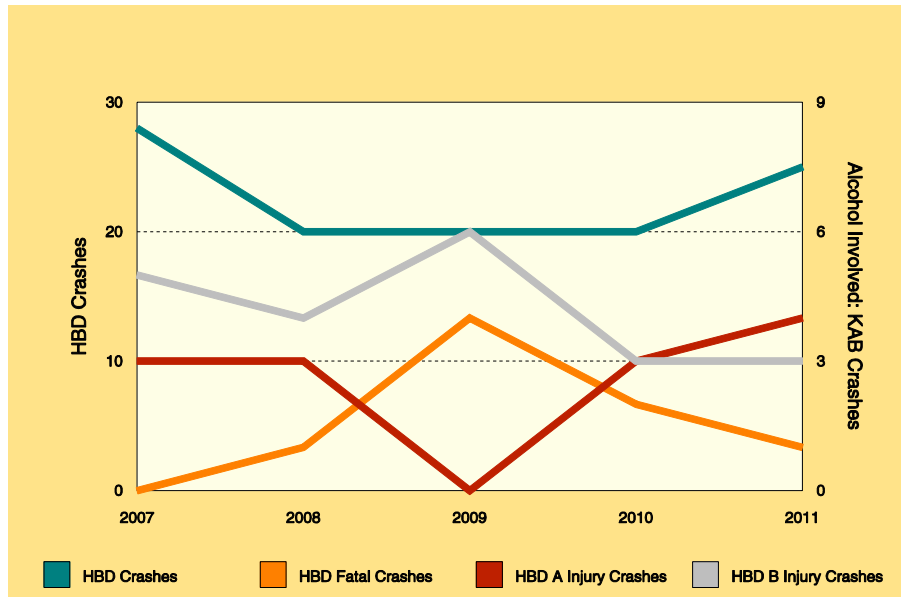
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

MACKINAC	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	609	28	4.6	2	0	0.0	25	3	12.0	34	5	14.7
2008	673	20	3.0	3	1	33.3	22	3	13.6	23	4	17.4
2009	559	20	3.6	6	4	66.7	9	0	0.0	30	6	20.0
2010	475	20	4.2	3	2	66.7	12	3	25.0	21	3	14.3
2011	479	25	5.2	2	1	50.0	12	4*	33.3	21	3	14.3

\* Highest number reported in the 5-year period.

## Restraint use among reported vehicle occupants by vehicle type

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	365	342	93.7	0	0	0.0	8	7	87.5	19	15	78.9	18	18	100.0	315	301	95.6
Van, motorhome	27	25	92.6	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	26	24	92.3
Pickup truck	142	126	88.7	1	1	100.0	2	1	50.0	3	2	66.7	7	7	100.0	124	115	92.7
Small truck under 10,000 lbs. GVWR	9	7	77.8	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	8	6	75.0
Cycle	10	10	100.0	1	1	100.0	2	2	100.0	3	3	100.0	1	1	100.0	3	3	100.0
Moped	1	0	0.0	0	0	0.0	1	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Go 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	3	100.0	0	0	0.0	1	1	100.0	1	1	100.0	0	0	0.0	1	1	100.0
Other	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Truck/bus over 10,000 lbs.	22	20	90.9	0	0	0.0	0	0	0.0	0	0	0.0	3	3	100.0	19	17	89.5
Uncoded & errors	3	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>TOTAL</b>	<b>582</b>	<b>533</b>	<b>91.6</b>	<b>2</b>	<b>2</b>	<b>100.0</b>	<b>14</b>	<b>11</b>	<b>78.6</b>	<b>26</b>	<b>21</b>	<b>80.8</b>	<b>31</b>	<b>31</b>	<b>100.0</b>	<b>496</b>	<b>467</b>	<b>94.2</b>

## Restraint use among reported vehicle occupants by age

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	3	3	100.0	0	0	0.0	1	1	100.0	2	2	100.0	0	0	0.0	0	0	0.0
16 - 20	53	48	90.6	0	0	0.0	1	1	100.0	4	2	50.0	2	2	100.0	46	43	93.5
21 - 64	423	394	93.1	2	2	100.0	10	8	80.0	15	12	80.0	28	28	100.0	367	343	93.5
65 +	88	86	97.7	0	0	0.0	2	1	50.0	3	3	100.0	1	1	100.0	82	81	98.8
Other/Unknown	15	2	13.3	0	0	0.0	0	0	0.0	2	2	100.0	0	0	0.0	1	0	0.0
<b>TOTAL</b>	<b>582</b>	<b>533</b>	<b>91.6</b>	<b>2</b>	<b>2</b>	<b>100.0</b>	<b>14</b>	<b>11</b>	<b>78.6</b>	<b>26</b>	<b>21</b>	<b>80.8</b>	<b>31</b>	<b>31</b>	<b>100.0</b>	<b>496</b>	<b>467</b>	<b>94.2</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Bois Blanc Twp.	0	0	0	0	0	0	0	0	0
Brevort Twp.	1	1	1	1	0	0	0	0	1
Clark Twp.	3	3	3	3	0	1	0	2	0
Garfield Twp.	4	6	4	4	0	0	0	0	4
Hendricks Twp.	0	0	0	0	0	0	0	0	0
Hudson Twp.	0	2	0	0	0	0	0	0	0
Mackinac Island	0	0	0	0	0	0	0	0	0
Marquette Twp.	1	2	1	1	0	0	1	0	0
Moran Twp.	5	4	1	4	0	0	0	0	4
Newton Twp.	1	1	1	1	0	0	0	0	1
Portage Twp.	1	1	1	1	0	0	0	1	0
St. Ignace	3	2	1	2	0	0	0	0	2
St. Ignace Twp.	9	9	7	8	0	2	3	1	2
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Mackinac County TOTAL</b>	<b>28</b>	<b>31</b>	<b>20</b>	<b>25</b>	<b>0</b>	<b>3</b>	<b>4</b>	<b>4</b>	<b>14</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Bois Blanc Twp.	2	0	0	1	0	0	0	0	1	0	0	0
Brevort Twp.	14	0	0	2	1	0	0	0	0	0	0	0
Clark Twp.	66	0	0	9	3	0	0	3	2	0	0	1
Garfield Twp.	63	1	1	7	4	0	0	0	8	0	0	1
Hendricks Twp.	18	0	0	2	0	0	0	0	4	0	0	0
Hudson Twp.	13	0	0	1	0	0	0	0	1	0	0	0
Mackinac Island	0	0	0	0	0	0	0	0	0	0	0	0
Marquette Twp.	43	0	0	3	1	0	0	0	2	0	0	0
Moran Twp.	77	0	0	19	4	0	0	4	18	0	0	6
Newton Twp.	33	0	0	6	1	0	0	2	4	0	0	1
Portage Twp.	36	1	1	7	1	1	1	0	10	0	0	4
St. Ignace	29	0	0	7	2	0	0	1	5	0	0	1
St. Ignace Twp.	85	0	0	12	8	0	0	2	19	0	0	3
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Mackinac County TOTAL</b>	<b>479</b>	<b>2</b>	<b>2</b>	<b>76</b>	<b>25</b>	<b>1</b>	<b>1</b>	<b>12</b>	<b>74</b>	<b>0</b>	<b>0</b>	<b>17</b>

Restraint use among reported vehicle occupants by municipality

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Bois Blanc Twp.	2	2	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0
Brevort Twp.	15	13	86.7	0	0	0.0	0	0	0.0	1	1	100.0	0	0	0.0	13	12	92.3
Clark Twp.	72	66	91.7	0	0	0.0	2	2	100.0	4	4	100.0	3	3	100.0	61	57	93.4
Garfield Twp.	76	70	92.1	1	1	100.0	2	2	100.0	0	0	0.0	5	5	100.0	66	61	92.4
Hendricks Twp.	20	20	100.0	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0	18	18	100.0
Hudson Twp.	14	14	100.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	13	13	100.0
Mackinac Island	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Marquette Twp.	47	43	91.5	0	0	0.0	0	0	0.0	2	2	100.0	1	1	100.0	44	40	90.9
Moran Twp.	111	105	94.6	0	0	0.0	2	2	100.0	7	7	100.0	9	9	100.0	91	87	95.6
Newton Twp.	40	37	92.5	0	0	0.0	3	3	100.0	2	0	0.0	1	1	100.0	34	33	97.1
Portage Twp.	44	38	86.4	1	1	100.0	1	1	100.0	3	2	66.7	3	3	100.0	33	31	93.9
St. Ignace	48	43	89.6	0	0	0.0	2	1	50.0	1	0	0.0	2	2	100.0	42	40	95.2
St. Ignace Twp.	93	82	88.2	0	0	0.0	2	0	0.0	6	5	83.3	4	4	100.0	79	73	92.4
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Mackinac County TOTAL</b>	<b>582</b>	<b>533</b>	<b>91.6</b>	<b>2</b>	<b>2</b>	<b>100.0</b>	<b>14</b>	<b>11</b>	<b>78.6</b>	<b>26</b>	<b>21</b>	<b>80.8</b>	<b>31</b>	<b>31</b>	<b>100.0</b>	<b>496</b>	<b>467</b>	<b>94.2</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	1,895	3	370	1,522	3	503
February	1,932	4	326	1,602	5	455
March	1,791	3	359	1,429	3	506
April	1,594	5	356	1,233	5	518
May	1,768	4	400	1,364	4	559
June	1,894	1	435	1,458	1	621
July	1,591	3	379	1,209	3	524
August	1,734	3	434	1,297	3	605
September	1,961	6	476	1,479	7	697
October	2,136	6	449	1,681	6	615
November	2,062	5	434	1,623	5	593
December	2,052	3	443	1,606	3	602
<b>TOTAL</b>	<b>22,410</b>	<b>46</b>	<b>4,861</b>	<b>17,503</b>	<b>48</b>	<b>6,798</b>

## In Macomb County in 2011 there were:

**22,410** crashes

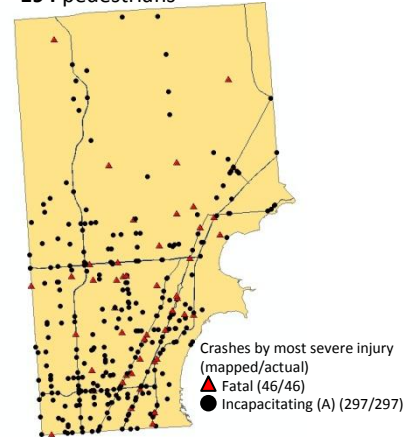
### Involving:

**47,103** people

**46,765** motor vehicle drivers and passengers

**144** bicyclists

**194** pedestrians



## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	169,727	4,502	73	4.3	162.2
16 - 20	55,063	45,228	5,545	1007.0	1226.0
21 - 64	496,008	484,088	30,201	608.9	623.9
65 +	120,180	104,626	3,720	309.5	355.6
Other/Unknown	--	--	4,044	--	--
<b>TOTAL</b>	<b>840,978</b>	<b>638,444</b>	<b>43,583</b>	<b>518.2</b>	<b>682.6</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	34,280	78.7	44	62.0	7,669	26,567
Van, motorhome	2,500	5.7	3	4.2	591	1,906
Pickup truck	4,359	10.0	14	19.7	914	3,431
Small truck under 10,000 lbs. GVWR	549	1.3	0	0.0	122	427
Cycle	190	0.4	6	8.5	136	48
Moped	5	0.0	0	0.0	5	0
Go 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)	5	0.0	0	0.0	3	2
Other	230	0.5	2	2.8	43	185
Truck/bus over 10,000 lbs.	897	2.1	1	1.4	154	742
Unknown	568	1.3	1	1.4	40	527
<b>TOTAL</b>	<b>43,583</b>	<b>100.0</b>	<b>71</b>	<b>100.0</b>	<b>9,677</b>	<b>33,835</b>

## Macomb County Experience

Macomb County experienced the highest number of fatal crashes (6) in September and October, and the highest number of persons killed (7) in September.

Macomb County driver statistics indicate 7.1 percent of licensed drivers were age 16-20, and 12.7 percent of drivers in that age group were involved in crashes. In Macomb County, motorcycles accounted for only 0.4 percent of the total vehicles in crashes, but were involved in 8.5 percent of the total fatal crashes.



Crash Type								
	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	2,993	13.4	25	54.3	79	269	429	2,191
Head On	305	1.4	7	15.2	23	34	57	184
Head On - Left Turn	784	3.5	3	6.5	20	104	203	454
Angle	4,309	19.2	5	10.9	72	291	789	3,152
Rear End	8,136	36.3	4	8.7	58	249	1,490	6,335
Rear End - Left Turn	208	0.9	0	0.0	0	10	37	161
Rear End - Right Turn	302	1.3	0	0.0	3	6	49	244
Sideswipe - Same Direction	3,105	13.9	1	2.2	9	47	177	2,871
Sideswipe - Opposite Direct	490	2.2	0	0.0	6	14	32	438
Other/Unknown	1,778	7.9	1	2.2	27	84	193	1,473
<b>Total</b>	<b>22,410</b>	<b>100.0</b>	<b>46</b>	<b>100.0</b>	<b>297</b>	<b>1,108</b>	<b>3,456</b>	<b>17,503</b>

Relationship to Roadway								
Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	20,387	91.0	34	73.9	261	929	3,139	16,024
Median	192	0.9	1	2.2	3	11	39	138
Shoulder	490	2.2	3	6.5	11	45	60	371
Outside of Shoulder/Curb	958	4.3	5	10.9	17	93	146	697
Gore	43	0.2	1	2.2	0	5	6	31
Other/Unknown	340	1.5	2	4.3	5	25	66	242
<b>Total</b>	<b>22,410</b>	<b>100.0</b>	<b>46</b>	<b>100.0</b>	<b>297</b>	<b>1,108</b>	<b>3,456</b>	<b>17,503</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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	4	2	2	4	0	1	0	0	3
16 - 20	135	79	59	81	1	5	22	10	43
21 - 64	1,038	645	542	685	9	34	109	184	349
65 +	42	21	8	10	0	0	4	2	4
Other/Unknown	144	0	0	2	0	0	0	0	2
<b>TOTAL</b>	<b>1,363</b>	<b>747</b>	<b>611</b>	<b>782</b>	<b>10</b>	<b>40</b>	<b>135</b>	<b>196</b>	<b>401</b>

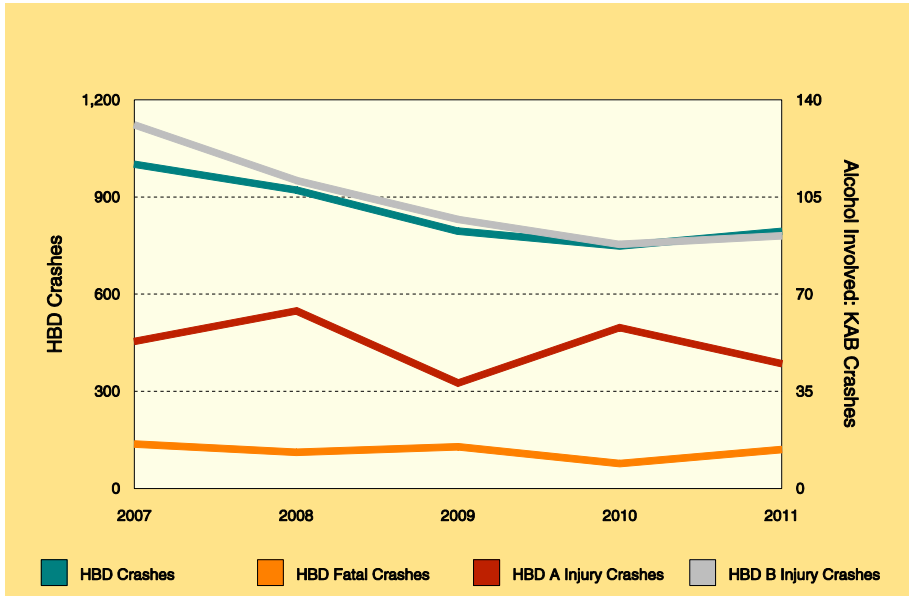
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

MACOMB	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	23,798	1,002	4.2	49	16	32.7	328	53	16.2	1,086	131	12.1
2008	22,525	922	4.1	37	13	35.1	347	64	18.4	988	111	11.2
2009	20,797	795	3.8	37	15	40.5	320	38	11.9	904	97	10.7
2010	21,600	749	3.5	39	9	23.1	301	58	19.3	1,146	88	7.7
2011	22,410	794	3.5	46	14	30.4	297*	45	15.2	1,108	91	8.2

\* Lowest number reported in the 5-year period.

**Restraint use among reported vehicle occupants by vehicle type**

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	35,523	31,913	89.8	20	14	70.0	252	209	82.9	1,058	952	90.0	4,084	3,934	96.3	27,509	26,782	97.4
Van, motorhome	2,602	2,336	89.8	0	0	0.0	10	10	100.0	64	55	85.9	310	292	94.2	2,021	1,975	97.7
Pickup truck	4,437	3,836	86.5	6	2	33.3	20	14	70.0	93	80	86.0	311	292	93.9	3,565	3,446	96.7
Small truck under 10,000 lbs. GVWR	566	500	88.3	0	0	0.0	5	3	60.0	11	11	100.0	58	57	98.3	442	428	96.8
Cycle	207	185	89.4	6	6	100.0	29	28	96.6	67	62	92.5	52	46	88.5	46	43	93.5
Moped	5	3	60.0	0	0	0.0	0	0	0.0	4	2	50.0	1	1	100.0	0	0	0.0
Go 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)	5	2	40.0	0	0	0.0	0	0	0.0	1	1	100.0	2	0	0.0	2	1	50.0
Other	237	162	68.4	1	0	0.0	1	0	0.0	12	11	91.7	7	3	42.9	159	148	93.1
Truck/bus over 10,000 lbs.	933	791	84.8	0	0	0.0	0	0	0.0	8	6	75.0	59	25	42.4	785	760	96.8
Uncoded & errors	569	15	2.6	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	33	14	42.4
<b>TOTAL</b>	<b>45,084</b>	<b>39,743</b>	<b>88.2</b>	<b>33</b>	<b>22</b>	<b>66.7</b>	<b>317</b>	<b>264</b>	<b>83.3</b>	<b>1,318</b>	<b>1,180</b>	<b>89.5</b>	<b>4,885</b>	<b>4,651</b>	<b>95.2</b>	<b>34,562</b>	<b>33,597</b>	<b>97.2</b>

**Restraint use among reported vehicle occupants by age**

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	505	439	86.9	0	0	0.0	12	9	75.0	100	83	83.0	330	291	88.2	63	56	88.9
16 - 20	5,785	5,569	96.3	3	2	66.7	40	26	65.0	204	171	83.8	574	546	95.1	4,951	4,821	97.4
21 - 64	30,885	29,910	96.8	25	16	64.0	236	204	86.4	860	786	91.4	3,459	3,307	95.6	26,248	25,582	97.5
65 +	3,858	3,785	98.1	5	4	80.0	29	25	86.2	151	140	92.7	514	501	97.5	3,154	3,114	98.7
Other/Unknown	4,051	40	1.0	0	0	0.0	0	0	0.0	3	0	0.0	8	6	75.0	146	24	16.4
<b>TOTAL</b>	<b>45,084</b>	<b>39,743</b>	<b>88.2</b>	<b>33</b>	<b>22</b>	<b>66.7</b>	<b>317</b>	<b>264</b>	<b>83.3</b>	<b>1,318</b>	<b>1,180</b>	<b>89.5</b>	<b>4,885</b>	<b>4,651</b>	<b>95.2</b>	<b>34,562</b>	<b>33,597</b>	<b>97.2</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers  
in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol- involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Armada	3	2	2	2	0	0	0	0	2
Armada Twp.	10	9	8	10	0	2	2	4	2
Bruce Twp.	7	3	2	5	0	1	0	0	4
Center Line	21	12	11	13	0	0	5	5	3
Chesterfield Twp.	70	54	35	41	0	1	1	1	38
Clinton Twp.	128	69	56	73	2	2	9	26	34
Eastpointe	52	22	19	27	0	3	4	10	10
Fraser	19	10	9	11	0	0	1	2	8
Grosse Pointe Shores	1	1	1	1	0	0	0	0	1
Harrison Twp.	77	35	29	49	2	1	7	11	28
Lake Twp.	0	0	0	0	0	0	0	0	0
Lenox Twp.	11	9	7	8	0	1	2	1	4
Macomb Twp.	70	40	32	41	0	3	9	11	18
Memphis	0	0	0	0	0	0	0	0	0
Mt. Clemens	59	26	25	34	1	2	7	8	16
New Baltimore	15	11	7	8	0	0	0	1	7
New Haven	7	4	4	4	0	1	0	3	0
Ray Twp.	15	14	9	13	0	1	3	3	6
Richmond	8	5	4	5	0	0	1	0	4
Richmond Twp.	4	3	3	4	0	1	1	1	1
Romeo	2	3	1	1	0	0	0	0	1
Roseville	96	48	45	52	2	2	13	13	22
St. Clair Shores	128	51	46	71	0	2	9	23	37
Shelby Twp.	92	46	41	50	1	4	14	16	15
Sterling Heights	204	130	96	110	0	6	15	14	75
Utica	19	11	10	11	0	1	7	2	1
Warren	231	116	98	127	2	6	24	34	61
Washington Twp.	14	13	11	11	0	0	1	7	3
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Macomb County TOTAL</b>	<b>1,363</b>	<b>747</b>	<b>611</b>	<b>782</b>	<b>10</b>	<b>40</b>	<b>135</b>	<b>196</b>	<b>401</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Armada	17	0	0	3	2	0	0	0	0	0	0	0
Armada Twp.	85	0	0	41	10	0	0	8	21	0	0	14
Bruce Twp.	133	1	1	57	5	1	1	5	17	0	0	6
Center Line	330	0	0	134	12	0	0	11	12	0	0	1
Chesterfield Twp.	1,028	4	4	333	41	2	2	32	97	0	0	22
Clinton Twp.	2,065	9	9	625	75	3	3	44	71	0	0	22
Eastpointe	556	1	1	174	27	0	0	10	4	0	0	1
Fraser	422	2	2	105	11	0	0	4	2	0	0	0
Grosse Pointe Shores	2	0	0	0	1	0	0	0	1	0	0	0
Harrison Twp.	667	1	1	196	51	0	0	18	139	0	0	31
Lake Twp.	0	0	0	0	0	0	0	0	0	0	0	0
Lenox Twp.	150	0	0	46	8	0	0	3	18	0	0	6
Macomb Twp.	1,699	4	5	572	43	1	1	19	82	0	0	17
Memphis	7	0	0	1	0	0	0	0	0	0	0	0
Mt. Clemens	543	2	2	150	35	1	1	16	12	0	0	2
New Baltimore	146	0	0	42	8	0	0	5	4	0	0	2
New Haven	73	1	1	41	5	0	0	7	1	0	0	1
Ray Twp.	217	2	2	64	13	0	0	1	47	1	1	16
Richmond	98	0	0	36	5	0	0	2	3	0	0	0
Richmond Twp.	78	1	1	25	4	0	0	1	10	1	1	0
Romeo	111	0	0	31	1	0	0	2	3	0	0	0
Roseville	1,842	7	7	517	52	1	1	18	129	2	2	33
St. Clair Shores	1,574	2	2	428	71	0	0	36	168	1	1	40
Shelby Twp.	1,650	0	0	471	49	0	0	33	59	0	0	16
Sterling Heights	3,937	6	6	1,185	112	3	3	51	128	1	1	21
Utica	435	0	0	73	12	0	0	2	13	0	0	3
Warren	3,994	3	4	1,287	130	2	3	68	193	0	0	40
Washington Twp.	551	0	0	161	11	0	0	6	68	0	0	22
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Macomb County TOTAL</b>	<b>22,410</b>	<b>46</b>	<b>48</b>	<b>6,798</b>	<b>794</b>	<b>14</b>	<b>15</b>	<b>402</b>	<b>1,302</b>	<b>6</b>	<b>6</b>	<b>316</b>

**Restraint use among reported vehicle occupants by municipality**

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Armada	26	19	73.1	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	18	18	100.0
Armada Twp.	128	118	92.2	0	0	0.0	4	1	25.0	5	5	100.0	31	29	93.5	86	83	96.5
Bruce Twp.	226	208	92.0	1	0	0.0	5	4	80.0	19	18	94.7	33	30	90.9	164	156	95.1
Center Line	703	608	86.5	0	0	0.0	3	2	66.7	22	17	77.3	105	94	89.5	521	495	95.0
Chesterfield Twp.	2,009	1,821	90.6	2	1	50.0	20	17	85.0	53	42	79.2	250	237	94.8	1,551	1,520	98.0
Clinton Twp.	4,211	3,826	90.9	4	4	100.0	44	37	84.1	181	170	93.9	375	358	95.5	3,308	3,257	98.5
Eastpointe	1,157	805	69.6	1	1	100.0	5	3	60.0	38	29	76.3	109	83	76.1	722	688	95.3
Fraser	872	815	93.5	2	2	100.0	5	4	80.0	15	15	100.0	78	75	96.2	728	718	98.6
Grosse Pointe Shores	2	2	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0
Harrison Twp.	1,202	1,088	90.5	1	1	100.0	5	5	100.0	46	42	91.3	134	129	96.3	939	911	97.0
Lake Twp.	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Lenox Twp.	246	231	93.9	0	0	0.0	2	2	100.0	16	15	93.8	26	24	92.3	191	190	99.5
Macomb Twp.	3,533	3,202	90.6	3	1	33.3	19	17	89.5	118	110	93.2	427	418	97.9	2,694	2,656	98.6
Memphis	13	7	53.8	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	9	7	77.8
Mt. Clemens	1,092	904	82.8	0	0	0.0	7	6	85.7	29	27	93.1	105	93	88.6	800	778	97.3
New Baltimore	284	253	89.1	0	0	0.0	4	4	100.0	11	11	100.0	26	24	92.3	219	212	96.8
New Haven	152	140	92.1	1	0	0.0	3	3	100.0	14	13	92.9	21	21	100.0	105	103	98.1
Ray Twp.	313	294	93.9	1	1	100.0	2	2	100.0	24	21	87.5	37	36	97.3	242	234	96.7
Richmond	193	173	89.6	0	0	0.0	0	0	0.0	7	6	85.7	25	24	96.0	146	143	97.9
Richmond Twp.	113	105	92.9	1	1	100.0	0	0	0.0	7	7	100.0	18	17	94.4	82	80	97.6
Romeo	231	208	90.0	0	0	0.0	5	4	80.0	8	6	75.0	18	18	100.0	182	179	98.4
Roseville	3,706	3,055	82.4	6	2	33.3	21	16	76.2	88	73	83.0	374	349	93.3	2,775	2,615	94.2
St. Clair Shores	3,053	2,501	81.9	2	2	100.0	14	8	57.1	99	83	83.8	290	279	96.2	2,199	2,129	96.8
Shelby Twp.	3,352	3,133	93.5	0	0	0.0	22	22	100.0	116	107	92.2	319	307	96.2	2,726	2,697	98.9
Sterling Heights	8,198	7,449	90.9	5	5	100.0	28	25	89.3	178	161	90.4	937	903	96.4	6,496	6,353	97.8
Utica	881	842	95.6	0	0	0.0	3	2	66.7	12	11	91.7	55	54	98.2	779	775	99.5
Warren	8,187	7,007	85.6	3	1	33.3	93	77	82.8	168	151	89.9	978	940	96.1	6,090	5,820	95.6
Washington Twp.	1,001	929	92.8	0	0	0.0	3	3	100.0	44	40	90.9	113	108	95.6	788	778	98.7
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Macomb County TOTAL</b>	<b>45,084</b>	<b>39,743</b>	<b>88.2</b>	<b>33</b>	<b>22</b>	<b>66.7</b>	<b>317</b>	<b>264</b>	<b>83.3</b>	<b>1,318</b>	<b>1,180</b>	<b>89.5</b>	<b>4,885</b>	<b>4,651</b>	<b>95.2</b>	<b>34,562</b>	<b>33,597</b>	<b>97.2</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	94	1	6	87	1	7
February	53	0	7	46	0	8
March	55	0	6	49	0	8
April	45	2	7	36	2	9
May	58	0	5	53	0	6
June	85	0	19	66	0	21
July	65	0	14	51	0	18
August	55	0	13	42	0	17
September	82	0	5	77	0	7
October	116	0	16	100	0	24
November	118	0	11	107	0	15
December	98	0	12	86	0	17
<b>TOTAL</b>	<b>924</b>	<b>3</b>	<b>121</b>	<b>800</b>	<b>3</b>	<b>157</b>

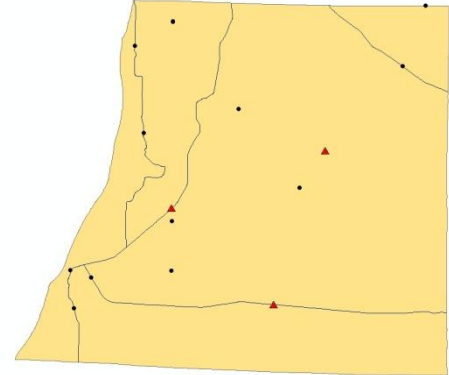
In Manistee County in 2011 there were:  
924 crashes

Involving:

1,402 people

1,397 motor vehicle drivers and passengers

5 bicyclists



Crashes by most severe injury (mapped/actual)

▲ Fatal (3/3)  
● Incapacitating (A) (12/12)

## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	4,126	103	1	2.4	97.1
16 - 20	1,362	1,074	120	881.1	1117.3
21 - 64	14,137	12,699	827	585.0	651.2
65 +	5,108	4,855	180	352.4	370.8
Other/Unknown	--	--	85	--	--
<b>TOTAL</b>	<b>24,733</b>	<b>18,731</b>	<b>1,213</b>	<b>490.4</b>	<b>647.6</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	817	67.4	2	40.0	110	705
Van, motorhome	65	5.4	1	20.0	8	56
Pickup truck	238	19.6	1	20.0	28	209
Small truck under 10,000 lbs. GVWR	27	2.2	0	0.0	9	18
Cycle	18	1.5	0	0.0	18	0
Moped	2	0.2	0	0.0	2	0
Go Cart	0	0.0	0	0.0	0	0
Snowmobile	1	0.1	1	20.0	0	0
Off-Road Vehicle (ORV) / All-Terrain Vehicle (ATV)	0	0.0	0	0.0	0	0
Other	0	0.0	0	0.0	0	0
Truck/bus over 10,000 lbs.	29	2.4	0	0.0	6	23
Unknown	16	1.3	0	0.0	0	16
<b>TOTAL</b>	<b>1,213</b>	<b>100.0</b>	<b>5</b>	<b>100.0</b>	<b>181</b>	<b>1,027</b>

## Manistee County Experience

Manistee County experienced the highest number of fatal crashes (2) and the highest number of persons killed (2) in April.

Manistee County driver statistics indicate 5.7 percent of licensed drivers were age 16-20, and 9.9 percent of drivers in that age group were involved in crashes.

In Manistee County, snowmobiles accounted for 0.1 percent of the total vehicles in crashes, and were involved in 20.0 percent of the total fatal crashes.



Crash Type								
	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	640	69.3	1	33.3	8	14	40	577
Head On	10	1.1	1	33.3	0	1	4	4
Head On - Left Turn	14	1.5	0	0.0	1	1	3	9
Angle	83	9.0	1	33.3	3	4	18	57
Rear End	60	6.5	0	0.0	0	1	10	49
Rear End - Left Turn	9	1.0	0	0.0	0	1	2	6
Rear End - Right Turn	6	0.6	0	0.0	0	0	0	6
Sideswipe - Same Direction	46	5.0	0	0.0	0	0	1	45
Sideswipe - Opposite Direct	16	1.7	0	0.0	0	4	2	10
Other/Unknown	40	4.3	0	0.0	0	1	2	37
<b>Total</b>	<b>924</b>	<b>100.0</b>	<b>3</b>	<b>100.0</b>	<b>12</b>	<b>27</b>	<b>82</b>	<b>800</b>

Relationship to Roadway								
Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	743	80.4	2	66.7	6	19	53	663
Median	0	0.0	0	0.0	0	0	0	0
Shoulder	70	7.6	0	0.0	3	2	9	56
Outside of Shoulder/Curb	97	10.5	1	33.3	3	5	19	69
Gore	1	0.1	0	0.0	0	0	0	1
Other/Unknown	13	1.4	0	0.0	0	1	1	11
<b>Total</b>	<b>924</b>	<b>100.0</b>	<b>3</b>	<b>100.0</b>	<b>12</b>	<b>27</b>	<b>82</b>	<b>800</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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	0	5	0	0	0	0	0	0	0
21 - 64	25	34	22	23	1	4	8	6	4
65 +	0	1	0	0	0	0	0	0	0
Other/Unknown	2	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>27</b>	<b>40</b>	<b>22</b>	<b>23</b>	<b>1</b>	<b>4</b>	<b>8</b>	<b>6</b>	<b>4</b>

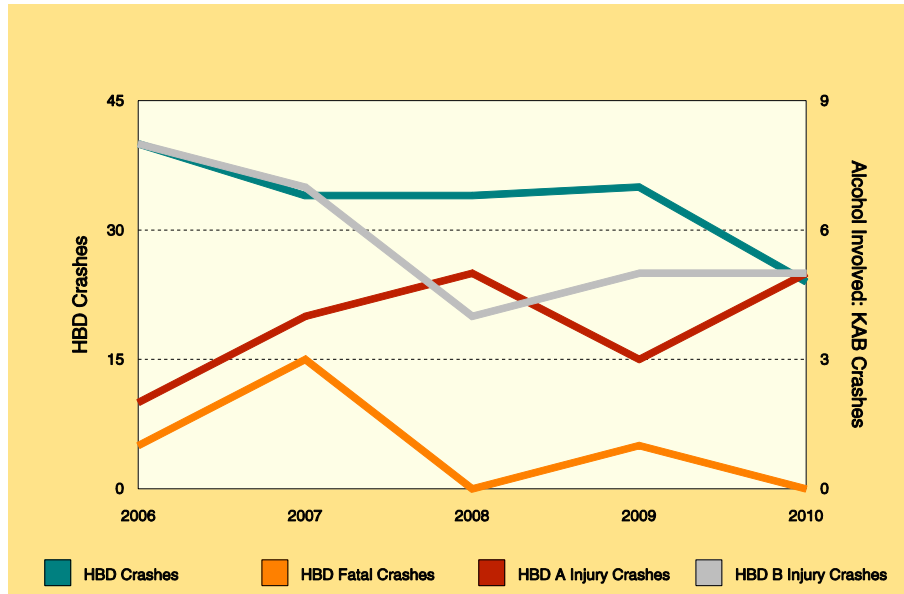
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

MANISTEE	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	940	34	3.6	6	3	50.0	18	4	22.2	35	7	20.0
2008	1,005	34	3.4	2	0	0.0	19	5	26.3	23	4	17.4
2009	932	35	3.8	2	1	50.0	18	3	16.7	35	5	14.3
2010	783	24	3.1	3	0	0.0	16	5	31.3	28	5	17.9
2011	924	24	2.6	3	1	33.3	12*	2*	16.7	27	0*	0.0

\* Lowest number reported in the 5-year period.

## Restraint use among reported vehicle occupants by vehicle type

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	837	769	91.9	2	0	0.0	8	7	87.5	19	18	94.7	63	61	96.8	698	683	97.9
Van, motorhome	67	61	91.0	0	0	0.0	1	1	100.0	1	1	100.0	7	7	100.0	54	52	96.3
Pickup truck	246	223	90.7	0	0	0.0	0	0	0.0	5	5	100.0	19	15	78.9	213	203	95.3
Small truck under 10,000 lbs. GVWR	29	25	86.2	0	0	0.0	0	0	0.0	2	2	100.0	4	4	100.0	19	19	100.0
Cycle	21	20	95.2	0	0	0.0	5	4	80.0	10	10	100.0	5	5	100.0	1	1	100.0
Moped	2	2	100.0	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0	0	0	0.0
Go 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	1	1	100.0	1	1	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Off-Road Vehicle (ORV) /All-Terrain Vehicle (ATV)	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Other	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Truck/bus over 10,000 lbs.	30	28	93.3	0	0	0.0	0	0	0.0	0	0	0.0	2	1	50.0	28	27	96.4
Uncoded & errors	16	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>TOTAL</b>	<b>1,249</b>	<b>1,129</b>	<b>90.4</b>	<b>3</b>	<b>1</b>	<b>33.3</b>	<b>14</b>	<b>12</b>	<b>85.7</b>	<b>37</b>	<b>36</b>	<b>97.3</b>	<b>102</b>	<b>95</b>	<b>93.1</b>	<b>1,013</b>	<b>985</b>	<b>97.2</b>

## Restraint use among reported vehicle occupants by age

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	3	3	100.0	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0	1	1	100.0
16 - 20	125	122	97.6	0	0	0.0	3	3	100.0	2	2	100.0	11	10	90.9	109	107	98.2
21 - 64	850	824	96.9	2	1	50.0	10	8	80.0	28	27	96.4	65	59	90.8	744	729	98.0
65 +	186	180	96.8	1	0	0.0	1	1	100.0	7	7	100.0	24	24	100.0	153	148	96.7
Other/Unknown	85	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	6	0	0.0
<b>TOTAL</b>	<b>1,249</b>	<b>1,129</b>	<b>90.4</b>	<b>3</b>	<b>1</b>	<b>33.3</b>	<b>14</b>	<b>12</b>	<b>85.7</b>	<b>37</b>	<b>36</b>	<b>97.3</b>	<b>102</b>	<b>95</b>	<b>93.1</b>	<b>1,013</b>	<b>985</b>	<b>97.2</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Arcadia Twp.	0	0	0	0	0	0	0	0	0
Bear Lake	0	0	0	0	0	0	0	0	0
Bear Lake Twp.	1	3	1	1	0	0	1	0	0
Brown Twp.	0	1	0	0	0	0	0	0	0
Cleon Twp.	0	0	0	0	0	0	0	0	0
Copemish	0	0	0	0	0	0	0	0	0
Dickson Twp.	2	3	2	2	0	0	1	0	1
East Lake	0	0	0	0	0	0	0	0	0
Filer Twp.	3	4	2	2	0	1	0	1	0
Kaleva	0	0	0	0	0	0	0	0	0
Manistee	9	13	6	6	1	0	4	1	0
Manistee Twp.	5	8	5	5	0	2	0	1	2
Maple Grove Twp	0	2	0	0	0	0	0	0	0
Marilla Twp.	1	1	1	1	0	0	1	0	0
Norman Twp.	2	2	2	2	0	0	1	1	0
Onekama	0	0	0	0	0	0	0	0	0
Onekama Twp.	0	0	0	0	0	0	0	0	0
Pleasanton Twp.	0	0	0	0	0	0	0	0	0
Springdale Twp.	2	2	2	2	0	1	0	1	0
Stronach Twp.	2	1	1	2	0	0	0	1	1
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Manistee County TOTAL</b>	<b>27</b>	<b>40</b>	<b>22</b>	<b>23</b>	<b>1</b>	<b>4</b>	<b>8</b>	<b>6</b>	<b>4</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Arcadia Twp.	31	0	0	8	0	0	0	0	4	0	0	3
Bear Lake	3	0	0	0	0	0	0	0	1	0	0	0
Bear Lake Twp.	58	0	0	10	1	0	0	0	11	0	0	3
Brown Twp.	38	1	1	7	0	0	0	0	4	1	1	0
Cleon Twp.	30	0	0	7	0	0	0	0	6	0	0	4
Copemish	2	0	0	0	0	0	0	0	0	0	0	0
Dickson Twp.	47	0	0	4	2	0	0	1	7	0	0	1
East Lake	5	0	0	0	0	0	0	0	0	0	0	0
Filer Twp.	78	0	0	24	2	0	0	0	7	0	0	0
Kaleva	5	0	0	1	0	0	0	0	0	0	0	0
Manistee	183	0	0	31	7	0	0	1	10	0	0	1
Manistee Twp.	168	0	0	24	5	0	0	6	15	0	0	4
Maple Grove Twp	39	1	1	5	0	0	0	0	6	0	0	2
Marilla Twp.	26	0	0	0	1	0	0	0	3	0	0	0
Norman Twp.	43	1	1	9	2	1	1	1	8	0	0	3
Onekama	3	0	0	1	0	0	0	0	0	0	0	0
Onekama Twp.	36	0	0	9	0	0	0	0	8	0	0	4
Pleasanton Twp.	27	0	0	4	0	0	0	0	2	0	0	2
Springdale Twp.	34	0	0	5	2	0	0	0	5	0	0	1
Stronach Twp.	68	0	0	8	2	0	0	2	11	0	0	3
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Manistee County TOTAL</b>	<b>924</b>	<b>3</b>	<b>3</b>	<b>157</b>	<b>24</b>	<b>1</b>	<b>1</b>	<b>11</b>	<b>108</b>	<b>1</b>	<b>1</b>	<b>31</b>

Restraint use among reported vehicle occupants by municipality

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Arcadia Twp.	35	31	88.6	0	0	0.0	3	3	100.0	4	4	100.0	1	1	100.0	23	23	100.0
Bear Lake	5	4	80.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	4	4	100.0
Bear Lake Twp.	70	69	98.6	0	0	0.0	1	1	100.0	2	2	100.0	7	6	85.7	60	60	100.0
Brown Twp.	45	44	97.8	1	0	0.0	2	2	100.0	2	2	100.0	3	3	100.0	37	37	100.0
Cleon Twp.	35	32	91.4	0	0	0.0	1	1	100.0	1	1	100.0	5	5	100.0	26	25	96.2
Copemish	2	2	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0
Dickson Twp.	51	48	94.1	0	0	0.0	0	0	0.0	0	0	0.0	4	4	100.0	46	44	95.7
East Lake	7	5	71.4	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	6	5	83.3
Filer Twp.	123	118	95.9	0	0	0.0	1	1	100.0	5	5	100.0	18	18	100.0	94	94	100.0
Kaleva	9	9	100.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	8	8	100.0
Manistee	346	267	77.2	0	0	0.0	2	2	100.0	6	6	100.0	19	18	94.7	257	241	93.8
Manistee Twp.	207	198	95.7	0	0	0.0	2	0	0.0	5	5	100.0	17	14	82.4	182	179	98.4
Maple Grove Twp	45	44	97.8	1	1	100.0	1	1	100.0	0	0	0.0	4	4	100.0	38	38	100.0
Marilla Twp.	27	26	96.3	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	27	26	96.3
Norman Twp.	51	45	88.2	1	0	0.0	0	0	0.0	3	2	66.7	6	4	66.7	40	39	97.5
Onekama	4	4	100.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	3	3	100.0
Onekama Twp.	43	42	97.7	0	0	0.0	1	1	100.0	6	6	100.0	2	2	100.0	34	33	97.1
Pleasanton Twp.	31	31	100.0	0	0	0.0	0	0	0.0	2	2	100.0	2	2	100.0	27	27	100.0
Springdale Twp.	40	39	97.5	0	0	0.0	0	0	0.0	1	1	100.0	4	4	100.0	35	34	97.1
Stronach Twp.	73	71	97.3	0	0	0.0	0	0	0.0	0	0	0.0	8	8	100.0	64	63	98.4
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Manistee County TOTAL</b>	<b>1,249</b>	<b>1,129</b>	<b>90.4</b>	<b>3</b>	<b>1</b>	<b>33.3</b>	<b>14</b>	<b>12</b>	<b>85.7</b>	<b>37</b>	<b>36</b>	<b>97.3</b>	<b>102</b>	<b>95</b>	<b>93.1</b>	<b>1,013</b>	<b>985</b>	<b>97.2</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	232	1	46	185	2	61
February	147	0	30	117	0	35
March	159	0	29	130	0	36
April	98	0	11	87	0	15
May	107	0	17	90	0	23
June	125	1	27	97	1	43
July	153	1	34	118	1	56
August	157	1	32	124	1	61
September	170	0	26	144	0	39
October	174	0	17	157	0	20
November	216	0	34	182	0	41
December	228	2	36	190	2	49
<b>TOTAL</b>	<b>1,966</b>	<b>6</b>	<b>339</b>	<b>1,621</b>	<b>7</b>	<b>479</b>

In Marquette County in 2011 there were:

1,966 crashes

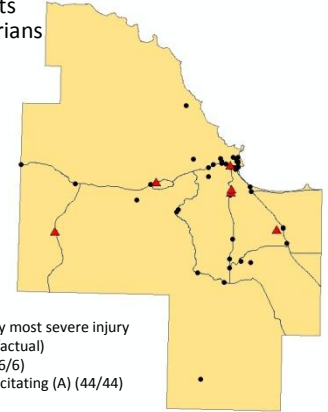
Involving:

3,740 people

3,711 motor vehicle drivers and passengers

17 bicyclists

12 pedestrians



Crashes by most severe injury (mapped/actual)  
 ▲ Fatal (6/6)  
 ● Incapacitating (A) (44/44)

## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	10,986	292	7	6.4	239.7
16 - 20	6,193	3,061	366	591.0	1195.7
21 - 64	40,071	35,732	1,995	497.9	558.3
65 +	9,827	8,759	303	308.3	345.9
Other/Unknown	--	--	307	--	--
<b>TOTAL</b>	<b>67,077</b>	<b>47,844</b>	<b>2,978</b>	<b>444.0</b>	<b>622.4</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	2,072	69.6	5	50.0	392	1,675
Van, motorhome	110	3.7	2	20.0	14	94
Pickup truck	570	19.1	0	0.0	94	476
Small truck under 10,000 lbs. GVWR	40	1.3	0	0.0	7	33
Cycle	28	0.9	1	10.0	19	8
Moped	1	0.0	0	0.0	1	0
Go Cart	0	0.0	0	0.0	0	0
Snowmobile	2	0.1	0	0.0	2	0
Off-Road Vehicle (ORV) / All-Terrain Vehicle (ATV)	7	0.2	1	10.0	5	1
Other	6	0.2	0	0.0	2	4
Truck/bus over 10,000 lbs.	56	1.9	1	10.0	7	48
Unknown	86	2.9	0	0.0	1	85
<b>TOTAL</b>	<b>2,978</b>	<b>100.0</b>	<b>10</b>	<b>100.0</b>	<b>544</b>	<b>2,424</b>

## Marquette County Experience

Marquette County experienced the highest number of fatal crashes (2) in December and the highest number of persons killed (2) in January and December.

Marquette County driver statistics indicate 6.4 percent of licensed drivers were age 16-20, and 12.3 percent of drivers in that age group were involved in crashes.

In Marquette County, motorcycles and ORV/ATVs accounted for only 1.1 percent of the total vehicles in crashes, but were involved in 20.0 percent of the total fatal crashes.



Crash Type								
	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	972	49.4	2	33.3	23	53	78	816
Head On	39	2.0	1	16.7	2	7	3	26
Head On - Left Turn	31	1.6	1	16.7	3	2	9	16
Angle	350	17.8	2	33.3	12	18	40	278
Rear End	281	14.3	0	0.0	1	6	51	223
Rear End - Left Turn	16	0.8	0	0.0	0	1	1	14
Rear End - Right Turn	26	1.3	0	0.0	0	0	8	18
Sideswipe - Same Direction	107	5.4	0	0.0	0	1	4	102
Sideswipe - Opposite Direct	29	1.5	0	0.0	0	0	2	27
Other/Unknown	115	5.8	0	0.0	3	4	7	101
<b>Total</b>	<b>1,966</b>	<b>100.0</b>	<b>6</b>	<b>100.0</b>	<b>44</b>	<b>92</b>	<b>203</b>	<b>1,621</b>

Relationship to Roadway								
Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	1,500	76.3	5	83.3	28	54	142	1,271
Median	7	0.4	0	0.0	0	1	0	6
Shoulder	156	7.9	1	16.7	3	7	19	126
Outside of Shoulder/Curb	229	11.6	0	0.0	10	24	34	161
Gore	4	0.2	0	0.0	0	0	1	3
Other/Unknown	70	3.6	0	0.0	3	6	7	54
<b>Total</b>	<b>1,966</b>	<b>100.0</b>	<b>6</b>	<b>100.0</b>	<b>44</b>	<b>92</b>	<b>203</b>	<b>1,621</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	Total drivers coded drinking	BAC Result Range for 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	1	0	0	0	0	0	0	0
16 - 20	14	10	7	9	0	2	4	0	3
21 - 64	95	77	60	77	0	1	5	7	64
65 +	5	4	3	3	0	0	0	1	2
Other/Unknown	9	0	0	1	0	0	0	0	1
<b>TOTAL</b>	<b>123</b>	<b>92</b>	<b>70</b>	<b>90</b>	<b>0</b>	<b>3</b>	<b>9</b>	<b>8</b>	<b>70</b>

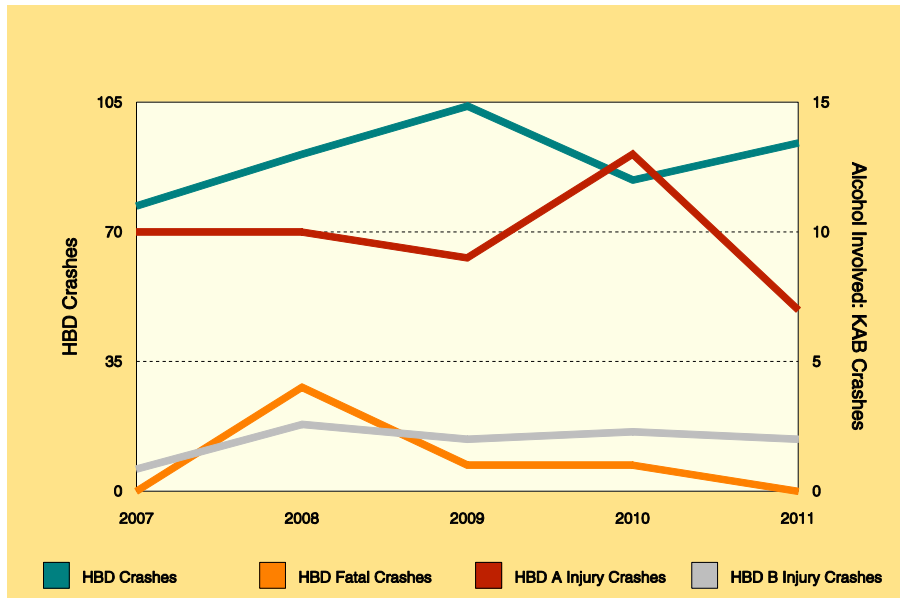
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

MARQUETTE	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	2,113	77	3.6	4	0	0.0	59	10	17.0	94	6	6.4
2008	2,094	91	4.4	8	4	50.0	38	10	26.3	107	18	16.8
2009	2,025	104	5.1	3	1	33.3	50	9	18.0	84	14	16.7
2010	1,945	84	4.3	5	1	20.0	47	13	27.7	91	16	17.6
2011	1,966	94	4.8	6	0	0.0	44	7*	15.9	92	14	15.2

\* Lowest number reported in the 5-year period.

**Restraint use among reported vehicle occupants by vehicle type**

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	2,166	1,872	86.4	2	1	50.0	28	17	60.7	77	62	80.5	224	213	95.1	1,665	1,576	94.7
Van, motorhome	120	111	92.5	2	1	50.0	3	3	100.0	8	7	87.5	9	9	100.0	92	91	98.9
Pickup truck	590	509	86.3	0	0	0.0	8	5	62.5	17	9	52.9	40	34	85.0	482	458	95.0
Small truck under 10,000 lbs. GVWR	42	40	95.2	0	0	0.0	1	1	100.0	0	0	0.0	5	5	100.0	35	34	97.1
Cycle	30	27	90.0	1	1	100.0	3	1	33.3	11	10	90.9	6	6	100.0	9	9	100.0
Moped	1	1	100.0	0	0	0.0	0	0	0.0	1	1	100.0	0	0	0.0	0	0	0.0
Go 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	2	2	100.0	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0	0	0	0.0
Off-Road Vehicle (ORV) /All-Terrain Vehicle (ATV)	10	5	50.0	1	0	0.0	1	0	0.0	3	2	66.7	2	2	100.0	3	1	33.3
Other	7	4	57.1	0	0	0.0	0	0	0.0	2	0	0.0	0	0	0.0	4	4	100.0
Truck/bus over 10,000 lbs.	58	49	84.5	0	0	0.0	0	0	0.0	0	0	0.0	3	1	33.3	52	48	92.3
Uncoded & errors	86	1	1.2	0	0	0.0	1	1	100.0	0	0	0.0	0	0	0.0	2	0	0.0
<b>TOTAL</b>	<b>3,112</b>	<b>2,621</b>	<b>84.2</b>	<b>6</b>	<b>3</b>	<b>50.0</b>	<b>45</b>	<b>28</b>	<b>62.2</b>	<b>119</b>	<b>91</b>	<b>76.5</b>	<b>291</b>	<b>272</b>	<b>93.5</b>	<b>2,344</b>	<b>2,221</b>	<b>94.8</b>

**Restraint use among reported vehicle occupants by age**

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	31	24	77.4	1	0	0.0	2	2	100.0	7	4	57.1	17	14	82.4	4	4	100.0
16 - 20	391	364	93.1	0	0	0.0	6	3	50.0	22	15	68.2	38	36	94.7	324	309	95.4
21 - 64	2,064	1,932	93.6	4	3	75.0	33	21	63.6	78	61	78.2	201	188	93.5	1,736	1,655	95.3
65 +	318	301	94.7	1	0	0.0	3	2	66.7	12	11	91.7	35	34	97.1	266	253	95.1
Other/Unknown	308	0	0.0	0	0	0.0	1	0	0.0	0	0	0.0	0	0	0.0	14	0	0.0
<b>TOTAL</b>	<b>3,112</b>	<b>2,621</b>	<b>84.2</b>	<b>6</b>	<b>3</b>	<b>50.0</b>	<b>45</b>	<b>28</b>	<b>62.2</b>	<b>119</b>	<b>91</b>	<b>76.5</b>	<b>291</b>	<b>272</b>	<b>93.5</b>	<b>2,344</b>	<b>2,221</b>	<b>94.8</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Champion Twp.	0	1	0	0	0	0	0	0	0
Chocolay Twp.	8	6	5	7	0	0	3	1	3
Ely Twp.	5	3	3	5	0	0	1	0	4
Ewing Twp.	0	0	0	0	0	0	0	0	0
Forsyth Twp.	7	7	5	6	0	0	0	0	6
Humboldt Twp.	1	0	0	1	0	0	0	0	1
Ishpeming	15	11	8	8	0	0	0	0	8
Ishpeming Twp.	4	5	4	4	0	2	1	0	1
Marquette	37	22	17	21	0	0	0	1	20
Marquette Twp.	12	9	7	8	0	0	2	1	5
Michigamme Twp.	1	1	1	1	0	0	0	1	0
Negaunee	10	6	6	7	0	0	0	0	7
Negaunee Twp.	7	6	5	7	0	0	1	1	5
Powell Twp.	3	1	1	3	0	0	0	0	3
Republic Twp.	1	2	1	1	0	0	0	0	1
Richmond Twp.	2	1	1	2	0	0	0	1	1
Sands Twp.	1	4	1	1	0	0	0	0	1
Skandia Twp.	2	1	1	2	0	0	1	0	1
Tilden Twp	2	1	1	2	0	0	0	0	2
Turin Twp	0	0	0	0	0	0	0	0	0
Wells Twp.	1	1	1	1	0	0	0	1	0
West Branch Twp.	4	4	2	3	0	1	0	1	1
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Marquette County TOTAL</b>	<b>123</b>	<b>92</b>	<b>70</b>	<b>90</b>	<b>0</b>	<b>3</b>	<b>9</b>	<b>8</b>	<b>70</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Champion Twp.	12	0	0	1	0	0	0	0	4	0	0	1
Chocolay Twp.	111	0	0	35	7	0	0	2	20	0	0	9
Ely Twp.	65	0	0	11	5	0	0	1	14	0	0	2
Ewing Twp.	0	0	0	0	0	0	0	0	0	0	0	0
Forsyth Twp.	127	0	0	29	6	0	0	2	24	0	0	8
Humboldt Twp.	55	0	0	16	1	0	0	1	7	0	0	1
Ishpeming	171	1	1	37	8	0	0	1	10	0	0	6
Ishpeming Twp.	50	0	0	4	4	0	0	0	3	0	0	0
Marquette	618	1	1	151	23	0	0	7	33	0	0	9
Marquette Twp.	186	0	0	57	9	0	0	8	35	0	0	7
Michigamme Twp.	10	0	0	1	1	0	0	1	1	0	0	0
Negaunee	114	0	0	21	7	0	0	6	13	0	0	2
Negaunee Twp.	138	0	0	38	7	0	0	7	38	0	0	16
Powell Twp.	27	0	0	11	3	0	0	5	6	0	0	4
Republic Twp.	40	1	1	15	1	0	0	0	4	0	0	1
Richmond Twp.	28	0	0	3	2	0	0	1	7	0	0	1
Sands Twp.	113	2	3	30	1	0	0	0	25	2	3	6
Skandia Twp.	22	0	0	2	2	0	0	1	8	0	0	0
Tilden Twp	35	0	0	8	2	0	0	1	10	0	0	3
Turin Twp	7	0	0	0	0	0	0	0	1	0	0	0
Wells Twp.	17	0	0	1	1	0	0	1	0	0	0	0
West Branch Twp.	20	1	1	8	4	0	0	5	8	1	1	0
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Marquette County TOTAL</b>	<b>1,966</b>	<b>6</b>	<b>7</b>	<b>479</b>	<b>94</b>	<b>0</b>	<b>0</b>	<b>50</b>	<b>271</b>	<b>3</b>	<b>4</b>	<b>76</b>

Restraint use among reported vehicle occupants by municipality

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Champion Twp.	14	13	92.9	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	13	12	92.3
Chocolate Twp.	153	141	92.2	0	0	0.0	3	2	66.7	9	8	88.9	21	20	95.2	115	111	96.5
Ely Twp.	80	73	91.3	0	0	0.0	0	0	0.0	5	3	60.0	6	6	100.0	66	64	97.0
Ewing Twp.	0	0	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Forsyth Twp.	174	147	84.5	0	0	0.0	6	4	66.7	10	6	60.0	12	10	83.3	134	127	94.8
Humboldt Twp.	69	59	85.5	0	0	0.0	2	2	100.0	4	3	75.0	10	8	80.0	52	46	88.5
Ishpeming	325	241	74.2	1	1	100.0	2	2	100.0	6	6	100.0	28	25	89.3	226	202	89.4
Ishpeming Twp.	63	56	88.9	0	0	0.0	0	0	0.0	1	1	100.0	3	3	100.0	54	52	96.3
Marquette	1,146	913	79.7	1	0	0.0	10	6	60.0	20	16	80.0	105	101	96.2	836	789	94.4
Marquette Twp.	313	287	91.7	0	0	0.0	6	5	83.3	15	12	80.0	35	35	100.0	246	235	95.5
Michigamme Twp.	11	10	90.9	0	0	0.0	1	0	0.0	0	0	0.0	0	0	0.0	10	10	100.0
Negaunee	190	170	89.5	0	0	0.0	0	0	0.0	3	2	66.7	17	17	100.0	154	151	98.1
Negaunee Twp.	189	170	89.9	0	0	0.0	4	2	50.0	14	12	85.7	20	18	90.0	145	138	95.2
Powell Twp.	30	25	83.3	0	0	0.0	1	0	0.0	3	2	66.7	7	5	71.4	19	18	94.7
Republic Twp.	50	43	86.0	0	0	0.0	0	0	0.0	10	5	50.0	5	5	100.0	35	33	94.3
Richmond Twp.	31	27	87.1	0	0	0.0	2	0	0.0	0	0	0.0	1	1	100.0	28	26	92.9
Sands Twp.	156	144	92.3	3	2	66.7	4	3	75.0	11	8	72.7	15	14	93.3	118	117	99.2
Skandia Twp.	23	22	95.7	0	0	0.0	1	0	0.0	1	1	100.0	0	0	0.0	21	21	100.0
Tilden Twp	44	38	86.4	0	0	0.0	1	1	100.0	3	2	66.7	4	2	50.0	34	33	97.1
Turin Twp	8	7	87.5	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	8	7	87.5
Wells Twp.	17	15	88.2	0	0	0.0	1	0	0.0	0	0	0.0	0	0	0.0	16	15	93.8
West Branch Twp.	26	20	76.9	1	0	0.0	1	1	100.0	4	4	100.0	1	1	100.0	14	14	100.0
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Marquette County TOTAL</b>	<b>3,112</b>	<b>2,621</b>	<b>84.2</b>	<b>6</b>	<b>3</b>	<b>50.0</b>	<b>45</b>	<b>28</b>	<b>62.2</b>	<b>119</b>	<b>91</b>	<b>76.5</b>	<b>291</b>	<b>272</b>	<b>93.5</b>	<b>2,344</b>	<b>2,221</b>	<b>94.8</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	104	1	8	95	1	12
February	78	1	10	67	1	15
March	95	1	10	84	1	15
April	74	0	9	65	0	12
May	84	1	8	75	1	11
June	89	0	11	78	0	18
July	101	0	19	82	0	25
August	91	0	16	75	0	25
September	127	1	20	106	1	35
October	125	0	17	108	0	23
November	158	0	11	147	0	19
December	118	2	12	104	2	16
<b>TOTAL</b>	<b>1,244</b>	<b>7</b>	<b>151</b>	<b>1,086</b>	<b>7</b>	<b>226</b>

In Mason County in 2011 there were:

**1,244** crashes

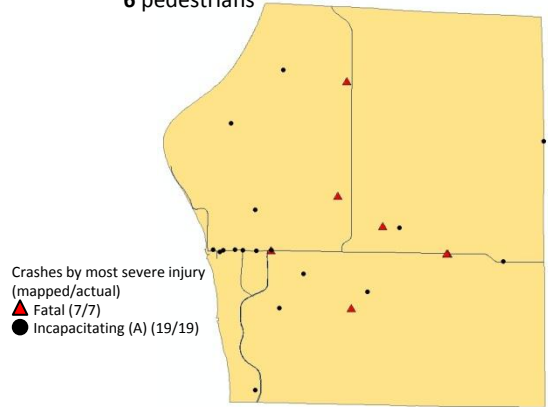
**Involving:**

**1,803** people

**1,791** motor vehicle drivers and passengers

**6** bicyclists

**6** pedestrians



## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	5,410	132	3	5.5	227.3
16 - 20	1,872	1,413	176	940.2	1245.6
21 - 64	15,914	15,318	1,158	727.7	756.0
65 +	5,509	5,178	203	368.5	392.0
Other/Unknown	--	--	68	--	--
<b>TOTAL</b>	<b>28,705</b>	<b>22,041</b>	<b>1,608</b>	<b>560.2</b>	<b>729.5</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	1,122	69.8	9	75.0	169	944
Van, motorhome	75	4.7	0	0.0	14	61
Pickup truck	307	19.1	1	8.3	46	260
Small truck under 10,000 lbs. GVWR	38	2.4	0	0.0	4	34
Cycle	13	0.8	1	8.3	7	5
Moped	1	0.1	0	0.0	1	0
Go 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)	4	0.2	0	0.0	2	2
Other	3	0.2	0	0.0	0	3
Truck/bus over 10,000 lbs.	27	1.7	1	8.3	7	19
Unknown	18	1.1	0	0.0	0	18
<b>TOTAL</b>	<b>1,608</b>	<b>100.0</b>	<b>12</b>	<b>100.0</b>	<b>250</b>	<b>1,346</b>

## Mason County Experience

Mason County experienced the highest number of fatal crashes (2) and the highest number of persons killed (2) in December.

Mason County driver statistics indicate 6.4 percent of licensed drivers were age 16-20, and 10.9 percent of drivers in that age group were involved in crashes.



Crash Type								
	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	887	71.3	2	28.6	8	23	29	825
Head On	7	0.6	0	0.0	1	0	3	3
Head On - Left Turn	16	1.3	0	0.0	5	4	3	4
Angle	113	9.1	2	28.6	3	10	19	79
Rear End	117	9.4	1	14.3	1	4	22	89
Rear End - Left Turn	5	0.4	0	0.0	0	1	2	2
Rear End - Right Turn	6	0.5	0	0.0	0	0	1	5
Sideswipe - Same Direction	45	3.6	1	14.3	0	1	4	39
Sideswipe - Opposite Direct	14	1.1	0	0.0	0	0	2	12
Other/Unknown	34	2.7	1	14.3	1	2	2	28
<b>Total</b>	<b>1,244</b>	<b>100.0</b>	<b>7</b>	<b>100.0</b>	<b>19</b>	<b>45</b>	<b>87</b>	<b>1,086</b>

Relationship to Roadway								
Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	1,032	83.0	6	85.7	14	31	62	919
Median	5	0.4	0	0.0	0	0	1	4
Shoulder	33	2.7	0	0.0	0	0	1	32
Outside of Shoulder/Curb	156	12.5	1	14.3	3	13	20	119
Gore	3	0.2	0	0.0	1	0	1	1
Other/Unknown	15	1.2	0	0.0	1	1	2	11
<b>Total</b>	<b>1,244</b>	<b>100.0</b>	<b>7</b>	<b>100.0</b>	<b>19</b>	<b>45</b>	<b>87</b>	<b>1,086</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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	1	0	0	0	0	0	0	0
16 - 20	5	6	2	4	1	0	0	0	3
21 - 64	26	23	13	21	0	2	4	6	9
65 +	2	6	1	1	0	0	1	0	0
Other/Unknown	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>33</b>	<b>36</b>	<b>16</b>	<b>26</b>	<b>1</b>	<b>2</b>	<b>5</b>	<b>6</b>	<b>12</b>

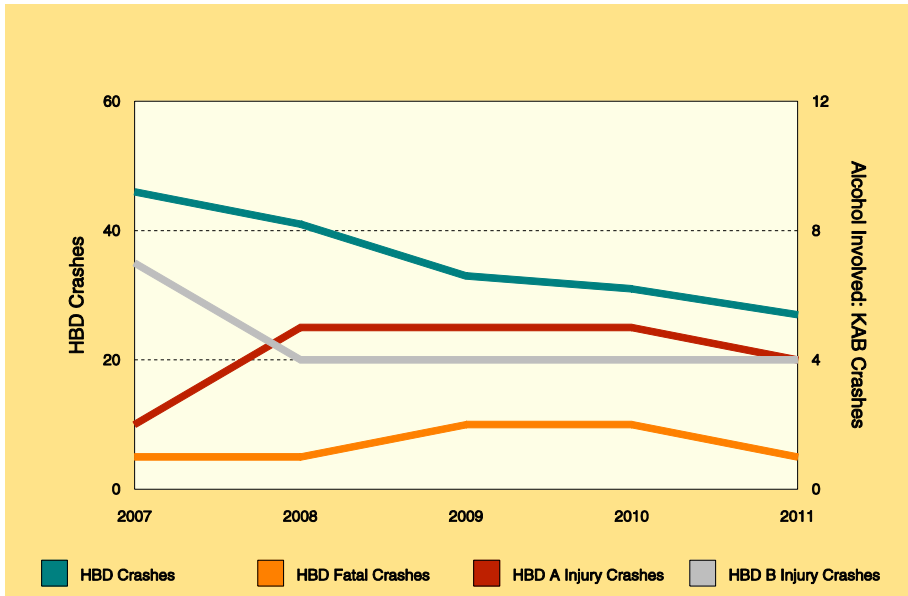
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

MASON	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	1,583	46	2.9	3	1	33.3	21	2	9.5	60	7	11.7
2008	1,576	41	2.6	2	1	50.0	38	5	13.2	56	4	7.1
2009	1,445	33	2.3	4	2	50.0	23	5	21.7	66	4	6.1
2010	1,336	31	2.3	2	2	100.0	19	5	26.3	44	4	9.1
2011	1,244*	27*	2.2	7**	1	14.3	19	4	21.1	45	4	8.9

\* Lowest number reported in the 5-year period. \*\* Highest number reported in the 5-year period.

**Restraint use among reported vehicle occupants by vehicle type**

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	1,175	1,116	95.0	5	5	100.0	13	11	84.6	33	32	97.0	108	103	95.4	990	963	97.3
Van, motorhome	79	73	92.4	0	0	0.0	3	3	100.0	5	3	60.0	4	4	100.0	66	63	95.5
Pickup truck	313	293	93.6	0	0	0.0	1	1	100.0	11	10	90.9	21	19	90.5	270	263	97.4
Small truck under 10,000 lbs. GVWR	39	35	89.7	0	0	0.0	0	0	0.0	0	0	0.0	3	3	100.0	33	32	97.0
Cycle	15	15	100.0	1	1	100.0	2	2	100.0	2	2	100.0	4	4	100.0	6	6	100.0
Moped	1	0	0.0	0	0	0.0	1	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Go 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)	4	1	25.0	0	0	0.0	1	0	0.0	0	0	0.0	0	0	0.0	3	1	33.3
Other	3	1	33.3	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	2	1	50.0
Truck/bus over 10,000 lbs.	28	24	85.7	0	0	0.0	0	0	0.0	1	1	100.0	2	1	50.0	25	22	88.0
Uncoded & errors	18	1	5.6	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>TOTAL</b>	<b>1,675</b>	<b>1,559</b>	<b>93.1</b>	<b>6</b>	<b>6</b>	<b>100.0</b>	<b>21</b>	<b>17</b>	<b>81.0</b>	<b>52</b>	<b>48</b>	<b>92.3</b>	<b>142</b>	<b>134</b>	<b>94.4</b>	<b>1,395</b>	<b>1,351</b>	<b>96.8</b>

**Restraint use among reported vehicle occupants by age**

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	18	17	94.4	1	1	100.0	3	2	66.7	1	1	100.0	11	11	100.0	2	2	100.0
16 - 20	195	189	96.9	1	1	100.0	6	5	83.3	11	11	100.0	29	28	96.6	148	144	97.3
21 - 64	1,187	1,151	97.0	2	2	100.0	9	7	77.8	29	25	86.2	87	80	92.0	1,057	1,036	98.0
65 +	207	199	96.1	2	2	100.0	3	3	100.0	11	11	100.0	15	15	100.0	176	168	95.5
Other/Unknown	68	3	4.4	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	12	1	8.3
<b>TOTAL</b>	<b>1,675</b>	<b>1,559</b>	<b>93.1</b>	<b>6</b>	<b>6</b>	<b>100.0</b>	<b>21</b>	<b>17</b>	<b>81.0</b>	<b>52</b>	<b>48</b>	<b>92.3</b>	<b>142</b>	<b>134</b>	<b>94.4</b>	<b>1,395</b>	<b>1,351</b>	<b>96.8</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Amber Twp.	3	8	2	2	0	0	0	1	1
Branch Twp.	2	3	1	2	0	0	0	1	1
Custer	0	0	0	0	0	0	0	0	0
Custer Twp.	2	6	2	2	1	1	0	0	0
Eden Twp.	0	0	0	0	0	0	0	0	0
Fountain	0	0	0	0	0	0	0	0	0
Freesoil	0	0	0	0	0	0	0	0	0
Freesoil Twp.	1	1	1	1	0	0	0	1	0
Grant Twp.	0	1	0	0	0	0	0	0	0
Hamlin Twp.	4	2	2	3	0	0	1	1	1
Logan Twp.	1	0	0	1	0	0	0	0	1
Ludington	3	2	0	2	0	0	0	0	2
Meade Twp.	0	0	0	0	0	0	0	0	0
Pere Marquette Twp.	9	7	5	6	0	1	3	0	2
Riverton Twp.	2	1	0	1	0	0	0	0	1
Scottville	0	0	0	0	0	0	0	0	0
Sheridan Twp.	2	1	1	2	0	0	1	0	1
Sherman Twp.	1	1	1	1	0	0	0	1	0
Summit Twp.	1	0	0	1	0	0	0	0	1
Victory Twp.	2	3	1	2	0	0	0	1	1
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Mason County TOTAL</b>	<b>33</b>	<b>36</b>	<b>16</b>	<b>26</b>	<b>1</b>	<b>2</b>	<b>5</b>	<b>6</b>	<b>12</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Amber Twp.	160	1	1	49	2	0	0	0	12	0	0	4
Branch Twp.	51	1	1	7	2	0	0	0	4	0	0	4
Custer	5	0	0	0	0	0	0	0	1	0	0	0
Custer Twp.	94	2	2	20	2	1	1	3	12	0	0	3
Eden Twp.	22	0	0	1	0	0	0	0	1	0	0	1
Fountain	4	0	0	0	0	0	0	0	0	0	0	0
Freesoil	3	0	0	1	0	0	0	0	0	0	0	0
Freesoil Twp.	33	0	0	4	1	0	0	0	4	0	0	3
Grant Twp.	68	1	1	17	0	0	0	0	15	0	0	6
Hamlin Twp.	98	0	0	7	3	0	0	1	11	0	0	1
Logan Twp.	14	0	0	4	1	0	0	1	2	0	0	1
Ludington	129	0	0	39	3	0	0	2	5	0	0	2
Meade Twp.	7	0	0	1	0	0	0	0	2	0	0	1
Pere Marquette Twp.	191	0	0	45	6	0	0	1	9	0	0	1
Riverton Twp.	62	1	1	7	1	0	0	1	6	0	0	0
Scottville	16	0	0	4	0	0	0	0	0	0	0	0
Sheridan Twp.	24	0	0	0	2	0	0	0	3	0	0	0
Sherman Twp.	75	0	0	3	1	0	0	1	5	0	0	1
Summit Twp.	63	0	0	7	1	0	0	0	8	0	0	4
Victory Twp.	125	1	1	10	2	0	0	3	7	0	0	3
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Mason County TOTAL</b>	<b>1,244</b>	<b>7</b>	<b>7</b>	<b>226</b>	<b>27</b>	<b>1</b>	<b>1</b>	<b>13</b>	<b>107</b>	<b>0</b>	<b>0</b>	<b>35</b>

Restraint use among reported vehicle occupants by municipality																		
Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Amber Twp.	259	253	97.7	1	1	100.0	5	5	100.0	7	7	100.0	36	36	100.0	204	203	99.5
Branch Twp.	59	58	98.3	1	1	100.0	1	1	100.0	0	0	0.0	6	6	100.0	51	50	98.0
Custer	7	6	85.7	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	6	6	100.0
Custer Twp.	116	111	95.7	2	2	100.0	5	4	80.0	8	5	62.5	7	7	100.0	94	93	98.9
Eden Twp.	22	21	95.5	0	0	0.0	0	0	0.0	1	1	100.0	0	0	0.0	21	20	95.2
Fountain	4	4	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	4	4	100.0
Freesoil	4	3	75.0	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0	3	3	100.0
Freesoil Twp.	36	34	94.4	0	0	0.0	0	0	0.0	0	0	0.0	4	3	75.0	32	31	96.9
Grant Twp.	82	79	96.3	0	0	0.0	1	1	100.0	2	2	100.0	14	13	92.9	65	63	96.9
Hamlin Twp.	116	110	94.8	0	0	0.0	1	1	100.0	2	2	100.0	4	4	100.0	103	103	100.0
Logan Twp.	15	14	93.3	0	0	0.0	0	0	0.0	2	1	50.0	2	2	100.0	11	11	100.0
Ludington	232	155	66.8	0	0	0.0	0	0	0.0	8	8	100.0	21	18	85.7	163	128	78.5
Meade Twp.	7	7	100.0	0	0	0.0	0	0	0.0	1	1	100.0	0	0	0.0	6	6	100.0
Pere Marquette Twp.	313	308	98.4	0	0	0.0	5	5	100.0	9	9	100.0	31	30	96.8	265	264	99.6
Riverton Twp.	67	65	97.0	1	1	100.0	1	0	0.0	2	2	100.0	4	4	100.0	59	58	98.3
Scottville	30	29	96.7	0	0	0.0	0	0	0.0	1	1	100.0	3	3	100.0	24	24	100.0
Sheridan Twp.	25	25	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	25	25	100.0
Sherman Twp.	79	78	98.7	0	0	0.0	0	0	0.0	1	1	100.0	2	1	50.0	76	76	100.0
Summit Twp.	65	64	98.5	0	0	0.0	1	0	0.0	1	1	100.0	5	5	100.0	58	58	100.0
Victory Twp.	137	135	98.5	1	1	100.0	1	0	0.0	7	7	100.0	2	2	100.0	125	125	100.0
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Mason County TOTAL</b>	<b>1,675</b>	<b>1,559</b>	<b>93.1</b>	<b>6</b>	<b>6</b>	<b>100.0</b>	<b>21</b>	<b>17</b>	<b>81.0</b>	<b>52</b>	<b>48</b>	<b>92.3</b>	<b>142</b>	<b>134</b>	<b>94.4</b>	<b>1,395</b>	<b>1,351</b>	<b>96.8</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	195	1	21	173	2	30
February	202	0	20	182	0	28
March	146	0	21	125	0	30
April	155	1	25	129	1	32
May	131	0	19	112	0	23
June	134	0	14	120	0	21
July	130	2	28	100	2	35
August	116	1	20	95	1	30
September	145	0	19	126	0	21
October	195	0	24	171	0	27
November	219	0	19	200	0	21
December	162	0	21	141	0	26
<b>TOTAL</b>	<b>1,930</b>	<b>5</b>	<b>251</b>	<b>1,674</b>	<b>6</b>	<b>324</b>

In Mecosta County in 2011 there were:

1,930 crashes

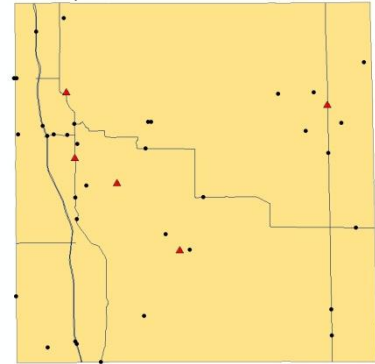
Involving:

3,055 people

3,040 motor vehicle drivers and passengers

8 bicyclists

7 pedestrians



Crashes by most severe injury (mapped/actual)

▲ Fatal (5/5)

● Incapacitating (A) (36/36)

## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	7,494	159	8	10.7	503.1
16 - 20	5,464	1,791	328	600.3	1831.4
21 - 64	23,263	19,353	1,864	801.3	963.2
65 +	6,577	6,245	214	325.4	342.7
Other/Unknown	--	--	109	--	--
<b>TOTAL</b>	<b>42,798</b>	<b>27,548</b>	<b>2,523</b>	<b>589.5</b>	<b>915.9</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	1,832	72.6	5	62.5	260	1,567
Van, motorhome	89	3.5	0	0.0	9	80
Pickup truck	442	17.5	1	12.5	61	380
Small truck under 10,000 lbs. GVWR	45	1.8	0	0.0	10	35
Cycle	17	0.7	1	12.5	12	4
Moped	1	0.0	0	0.0	1	0
Go 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)	5	0.2	0	0.0	5	0
Other	5	0.2	1	12.5	1	3
Truck/bus over 10,000 lbs.	42	1.7	0	0.0	5	37
Unknown	45	1.8	0	0.0	6	39
<b>TOTAL</b>	<b>2,523</b>	<b>100.0</b>	<b>8</b>	<b>100.0</b>	<b>370</b>	<b>2,145</b>

## Mecosta County Experience

Mecosta County experienced the highest number of fatal crashes (2) in July and the highest number of persons killed (2) in January and July.

Mecosta County driver statistics indicate 6.5 percent of licensed drivers were age 16-20, and 13.0 percent of drivers in that age group were involved in crashes.



Crash Type								
	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	1,370	71.0	2	40.0	23	42	77	1,226
Head On	22	1.1	2	40.0	4	1	5	10
Head On - Left Turn	24	1.2	0	0.0	2	6	2	14
Angle	161	8.3	1	20.0	4	6	32	118
Rear End	204	10.6	0	0.0	1	7	24	172
Rear End - Left Turn	13	0.7	0	0.0	0	1	4	8
Rear End - Right Turn	8	0.4	0	0.0	0	0	0	8
Sideswipe - Same Direction	73	3.8	0	0.0	0	1	2	70
Sideswipe - Opposite Direct	21	1.1	0	0.0	0	1	3	17
Other/Unknown	34	1.8	0	0.0	2	1	0	31
<b>Total</b>	<b>1,930</b>	<b>100.0</b>	<b>5</b>	<b>100.0</b>	<b>36</b>	<b>66</b>	<b>149</b>	<b>1,674</b>

Relationship to Roadway								
Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	1,536	79.6	3	60.0	20	37	95	1,381
Median	7	0.4	0	0.0	1	0	1	5
Shoulder	88	4.6	0	0.0	2	3	16	67
Outside of Shoulder/Curb	237	12.3	1	20.0	13	22	32	169
Gore	17	0.9	0	0.0	0	1	2	14
Other/Unknown	45	2.3	1	20.0	0	3	3	38
<b>Total</b>	<b>1,930</b>	<b>100.0</b>	<b>5</b>	<b>100.0</b>	<b>36</b>	<b>66</b>	<b>149</b>	<b>1,674</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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	6	7	3	5	0	1	0	0	4
21 - 64	63	58	49	55	0	1	1	1	52
65 +	3	2	1	2	0	1	0	0	1
Other/Unknown	6	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>78</b>	<b>67</b>	<b>53</b>	<b>62</b>	<b>0</b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>57</b>

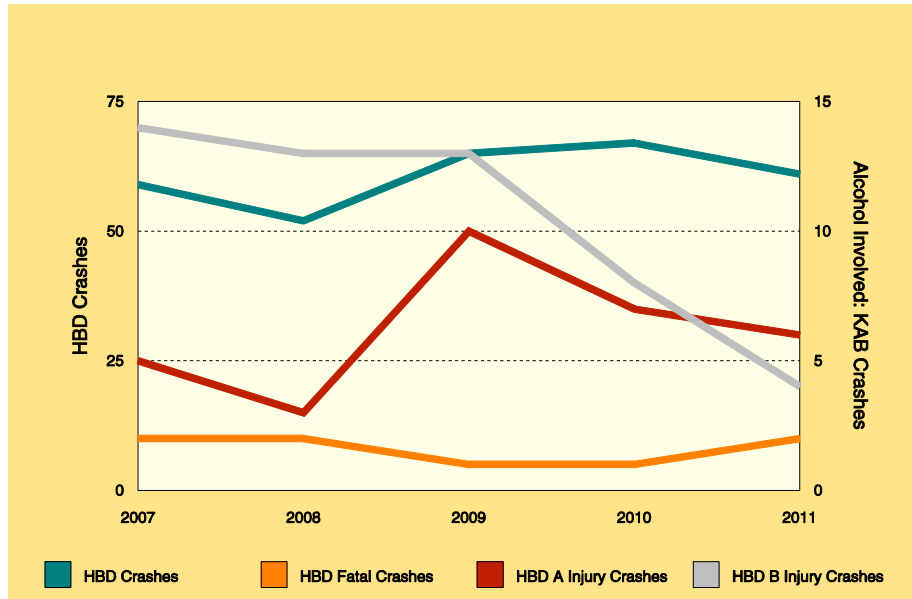
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

MECOSTA	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	2,123	59	2.8	5	2	40.0	32	5	15.6	76	14	18.4
2008	2,111	52	2.5	7	2	28.6	19	3	15.8	90	13	14.4
2009	2,100	65	3.1	6	1	16.7	43	10	23.3	79	13	16.5
2010	1,824	67	3.7	4	1	25.0	34	7	20.6	62	8	12.9
2011	1,930	61	3.2	5	2	40.0	36	6	16.7	66	4*	6.1

\* Lowest number reported in the 5-year period.

## Restraint use among reported vehicle occupants by vehicle type

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	1,916	1,810	94.5	4	2	50.0	23	19	82.6	56	52	92.9	156	144	92.3	1,623	1,589	97.9
Van, motorhome	93	87	93.5	0	0	0.0	0	0	0.0	2	2	100.0	6	6	100.0	80	79	98.8
Pickup truck	450	427	94.9	0	0	0.0	7	5	71.4	10	8	80.0	24	22	91.7	397	388	97.7
Small truck under 10,000 lbs. GVWR	47	45	95.7	0	0	0.0	2	2	100.0	2	2	100.0	3	3	100.0	39	38	97.4
Cycle	17	15	88.2	1	1	100.0	1	1	100.0	8	7	87.5	3	3	100.0	4	3	75.0
Moped	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	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)	6	3	50.0	0	0	0.0	2	1	50.0	1	1	100.0	1	0	0.0	1	1	100.0
Other	5	4	80.0	1	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	4	4	100.0
Truck/bus over 10,000 lbs.	45	41	91.1	0	0	0.0	0	0	0.0	0	0	0.0	3	1	33.3	40	40	100.0
Uncoded & errors	45	4	8.9	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	5	4	80.0
<b>TOTAL</b>	<b>2,625</b>	<b>2,436</b>	<b>92.8</b>	<b>6</b>	<b>3</b>	<b>50.0</b>	<b>35</b>	<b>28</b>	<b>80.0</b>	<b>80</b>	<b>72</b>	<b>90.0</b>	<b>196</b>	<b>179</b>	<b>91.3</b>	<b>2,193</b>	<b>2,146</b>	<b>97.9</b>

## Restraint use among reported vehicle occupants by age

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	38	35	92.1	0	0	0.0	1	1	100.0	11	11	100.0	20	17	85.0	6	6	100.0
16 - 20	344	326	94.8	2	1	50.0	7	6	85.7	14	13	92.9	31	25	80.6	286	277	96.9
21 - 64	1,907	1,856	97.3	1	1	100.0	21	15	71.4	47	41	87.2	125	118	94.4	1,708	1,677	98.2
65 +	225	217	96.4	3	1	33.3	6	6	100.0	8	7	87.5	18	17	94.4	190	186	97.9
Other/Unknown	111	2	1.8	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0	3	0	0.0
<b>TOTAL</b>	<b>2,625</b>	<b>2,436</b>	<b>92.8</b>	<b>6</b>	<b>3</b>	<b>50.0</b>	<b>35</b>	<b>28</b>	<b>80.0</b>	<b>80</b>	<b>72</b>	<b>90.0</b>	<b>196</b>	<b>179</b>	<b>91.3</b>	<b>2,193</b>	<b>2,146</b>	<b>97.9</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Aetna Twp.	6	4	4	6	0	0	0	0	6
Austin Twp	2	3	1	2	0	1	0	0	1
Barryton	2	1	1	1	0	0	0	0	1
Big Rapids	22	14	13	13	0	0	0	0	13
Big Rapids Twp.	8	10	7	8	0	0	0	0	8
Chippewa Twp.	6	4	4	5	0	0	0	0	5
Colfax Twp.	2	1	1	2	0	0	0	0	2
Deerfield Twp.	5	5	5	5	0	1	0	0	4
Fork Twp.	0	1	0	0	0	0	0	0	0
Grant Twp.	1	3	1	1	0	0	0	0	1
Green Twp.	9	8	7	8	0	0	1	1	6
Hinton Twp.	2	1	1	2	0	0	0	0	2
Martiny Twp.	0	0	0	0	0	0	0	0	0
Mecosta	0	0	0	0	0	0	0	0	0
Mecosta Twp.	0	2	0	0	0	0	0	0	0
Millbrook Twp.	1	1	1	1	0	0	0	0	1
Morley	2	1	1	1	0	0	0	0	1
Morton Twp.	4	2	2	3	0	0	0	0	3
Sheridan Twp.	3	4	2	2	0	1	0	0	1
Stanwood	0	0	0	0	0	0	0	0	0
Wheatland Twp.	3	2	2	2	0	0	0	0	2
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Mecosta County TOTAL</b>	<b>78</b>	<b>67</b>	<b>53</b>	<b>62</b>	<b>0</b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>57</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Aetna Twp.	118	0	0	24	5	0	0	1	31	0	0	14
Austin Twp	57	1	1	9	2	0	0	2	18	0	0	2
Barryton	14	0	0	1	1	0	0	0	2	0	0	0
Big Rapids	380	0	0	70	13	0	0	0	20	0	0	6
Big Rapids Twp.	192	1	2	34	8	0	0	2	43	1	1	9
Chippewa Twp.	67	0	0	9	5	0	0	2	15	0	0	8
Colfax Twp.	111	1	1	13	2	0	0	1	18	0	0	3
Deerfield Twp.	81	0	0	18	5	0	0	6	16	0	0	6
Fork Twp.	55	0	0	7	0	0	0	0	7	0	0	0
Grant Twp.	24	0	0	3	1	0	0	1	3	0	0	1
Green Twp.	169	1	1	29	8	1	1	4	35	0	0	12
Hinton Twp.	75	0	0	4	2	0	0	0	10	0	0	4
Martiny Twp.	80	0	0	14	0	0	0	0	16	0	0	6
Mecosta	1	0	0	0	0	0	0	0	0	0	0	0
Mecosta Twp.	147	0	0	38	0	0	0	0	44	0	0	15
Millbrook Twp.	81	0	0	6	1	0	0	0	10	0	0	2
Morley	5	0	0	0	1	0	0	0	0	0	0	0
Morton Twp.	105	0	0	15	3	0	0	1	21	0	0	6
Sheridan Twp.	82	1	1	15	2	1	1	2	7	0	0	3
Stanwood	3	0	0	4	0	0	0	0	0	0	0	0
Wheatland Twp.	83	0	0	11	2	0	0	3	15	0	0	4
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Mecosta County TOTAL</b>	<b>1,930</b>	<b>5</b>	<b>6</b>	<b>324</b>	<b>61</b>	<b>2</b>	<b>2</b>	<b>25</b>	<b>331</b>	<b>1</b>	<b>1</b>	<b>101</b>

Restraint use among reported vehicle occupants by municipality

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Aetna Twp.	174	145	83.3	0	0	0.0	6	5	83.3	2	2	100.0	16	13	81.3	129	125	96.9
Austin Twp	61	60	98.4	1	1	100.0	1	1	100.0	3	3	100.0	4	3	75.0	52	52	100.0
Barryton	17	12	70.6	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	13	12	92.3
Big Rapids	740	661	89.3	0	0	0.0	1	1	100.0	11	9	81.8	47	43	91.5	618	602	97.4
Big Rapids Twp.	270	258	95.6	2	1	50.0	5	4	80.0	9	9	100.0	20	19	95.0	230	225	97.8
Chippewa Twp.	73	69	94.5	0	0	0.0	0	0	0.0	5	5	100.0	4	4	100.0	63	60	95.2
Colfax Twp.	125	117	93.6	1	0	0.0	4	3	75.0	2	2	100.0	7	5	71.4	110	107	97.3
Deerfield Twp.	97	89	91.8	0	0	0.0	1	0	0.0	6	3	50.0	11	10	90.9	78	76	97.4
Fork Twp.	62	59	95.2	0	0	0.0	2	2	100.0	2	2	100.0	3	1	33.3	55	54	98.2
Grant Twp.	24	24	100.0	0	0	0.0	0	0	0.0	1	1	100.0	2	2	100.0	21	21	100.0
Green Twp.	202	189	93.6	1	1	100.0	3	1	33.3	5	5	100.0	21	19	90.5	167	163	97.6
Hinton Twp.	78	76	97.4	0	0	0.0	0	0	0.0	1	1	100.0	3	3	100.0	72	71	98.6
Martiny Twp.	97	96	99.0	0	0	0.0	1	1	100.0	4	4	100.0	9	9	100.0	83	82	98.8
Mecosta	2	2	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0
Mecosta Twp.	185	181	97.8	0	0	0.0	3	3	100.0	15	15	100.0	20	20	100.0	143	143	100.0
Millbrook Twp.	88	86	97.7	0	0	0.0	2	2	100.0	2	2	100.0	2	2	100.0	81	80	98.8
Morley	9	6	66.7	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	6	6	100.0
Morton Twp.	120	116	96.7	0	0	0.0	1	1	100.0	5	4	80.0	9	9	100.0	104	102	98.1
Sheridan Twp.	94	87	92.6	1	0	0.0	4	3	75.0	6	4	66.7	5	5	100.0	75	74	98.7
Stanwood	8	7	87.5	0	0	0.0	0	0	0.0	0	0	0.0	4	4	100.0	4	3	75.0
Wheatland Twp.	99	96	97.0	0	0	0.0	1	1	100.0	1	1	100.0	9	8	88.9	87	86	98.9
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Mecosta County TOTAL</b>	<b>2,625</b>	<b>2,436</b>	<b>92.8</b>	<b>6</b>	<b>3</b>	<b>50.0</b>	<b>35</b>	<b>28</b>	<b>80.0</b>	<b>80</b>	<b>72</b>	<b>90.0</b>	<b>196</b>	<b>179</b>	<b>91.3</b>	<b>2,193</b>	<b>2,146</b>	<b>97.9</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	91	0	11	80	0	13
February	73	0	9	64	0	9
March	59	0	12	47	0	18
April	47	0	12	35	0	21
May	46	0	7	39	0	11
June	70	0	15	55	0	17
July	79	0	14	65	0	19
August	57	1	15	41	1	18
September	96	0	11	85	0	14
October	96	0	15	81	0	23
November	124	0	13	111	0	14
December	92	0	15	77	0	17
<b>TOTAL</b>	<b>930</b>	<b>1</b>	<b>149</b>	<b>780</b>	<b>1</b>	<b>194</b>

In Menominee County in 2011 there were:

**930** crashes

**Involving:**

**1,296** people

**1,287** motor vehicle drivers and passengers

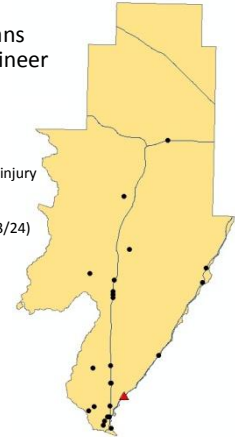
**5** bicyclists

**3** pedestrians

**1** train engineer

Crashes by most severe injury (mapped/actual)

▲ Fatal (1/1)  
● Incapacitating (A) (23/24)



## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	4,427	166	5	11.3	301.2
16 - 20	1,338	1,188	125	934.2	1052.2
21 - 64	13,677	12,537	850	621.5	678.0
65 +	4,587	4,062	128	279.0	315.1
Other/Unknown	--	--	56	--	--
<b>TOTAL</b>	<b>24,029</b>	<b>17,953</b>	<b>1,164</b>	<b>484.4</b>	<b>648.4</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	767	65.9	1	50.0	141	625
Van, motorhome	61	5.2	0	0.0	6	55
Pickup truck	238	20.4	0	0.0	49	189
Small truck under 10,000 lbs. GVWR	31	2.7	0	0.0	0	31
Cycle	19	1.6	1	50.0	13	5
Moped	3	0.3	0	0.0	3	0
Go Cart	0	0.0	0	0.0	0	0
Snowmobile	1	0.1	0	0.0	1	0
Off-Road Vehicle (ORV) / All-Terrain Vehicle (ATV)	5	0.4	0	0.0	4	1
Other	1	0.1	0	0.0	1	0
Truck/bus over 10,000 lbs.	23	2.0	0	0.0	7	16
Unknown	15	1.3	0	0.0	3	12
<b>TOTAL</b>	<b>1,164</b>	<b>100.0</b>	<b>2</b>	<b>100.0</b>	<b>228</b>	<b>934</b>

## Menominee County Experience

Menominee County experienced the highest number of fatal crashes (1) and the highest number of persons killed (1) in August.

Menominee County driver statistics indicate 6.6 percent of licensed drivers were age 16-20, and 10.7 percent of drivers in that age group were involved in crashes.

In Menominee County, motorcycles accounted for only 1.6 percent of the total vehicles in crashes, but were involved in 50.0 percent of the total fatal crashes.



Crash Type								
	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	707	76.0	0	0.0	14	23	45	625
Head On	3	0.3	0	0.0	1	1	1	0
Head On - Left Turn	9	1.0	0	0.0	0	2	3	4
Angle	92	9.9	0	0.0	4	6	17	65
Rear End	65	7.0	0	0.0	2	4	16	43
Rear End - Left Turn	4	0.4	1	100.0	0	1	1	1
Rear End - Right Turn	0	0.0	0	0.0	0	0	0	0
Sideswipe - Same Direction	26	2.8	0	0.0	2	1	1	22
Sideswipe - Opposite Direct	4	0.4	0	0.0	1	0	0	3
Other/Unknown	20	2.2	0	0.0	0	1	2	17
<b>Total</b>	<b>930</b>	<b>100.0</b>	<b>1</b>	<b>100.0</b>	<b>24</b>	<b>39</b>	<b>86</b>	<b>780</b>

Relationship to Roadway								
Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	770	82.8	1	100.0	15	21	52	681
Median	0	0.0	0	0.0	0	0	0	0
Shoulder	40	4.3	0	0.0	2	3	7	28
Outside of Shoulder/Curb	105	11.3	0	0.0	5	14	23	63
Gore	5	0.5	0	0.0	0	0	3	2
Other/Unknown	10	1.1	0	0.0	2	1	1	6
<b>Total</b>	<b>930</b>	<b>100.0</b>	<b>1</b>	<b>100.0</b>	<b>24</b>	<b>39</b>	<b>86</b>	<b>780</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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	1	1	0	0	0	0	0	0	0
21 - 64	36	28	25	30	0	0	2	3	25
65 +	1	1	1	1	0	0	0	0	1
Other/Unknown	2	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>40</b>	<b>30</b>	<b>26</b>	<b>31</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>3</b>	<b>26</b>

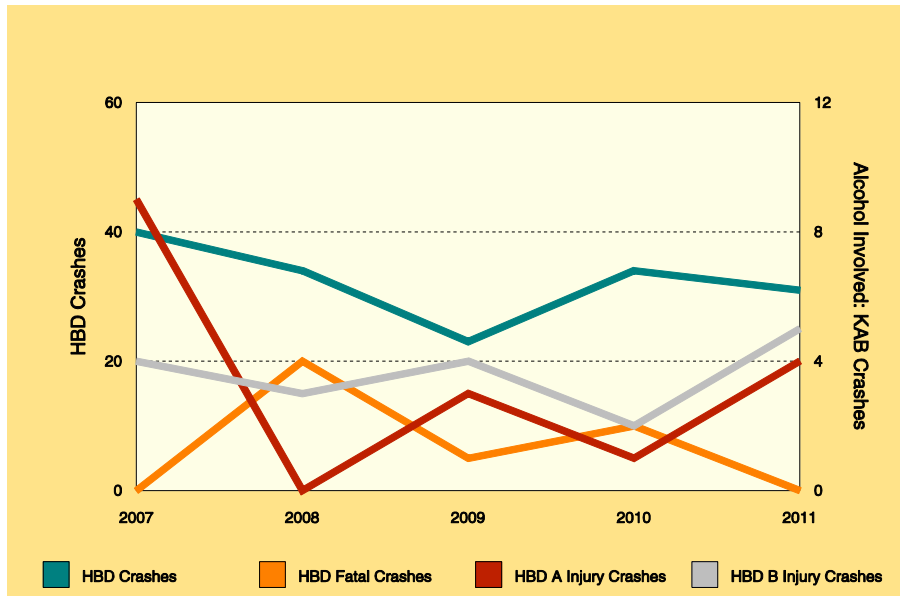
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

MENOMINEE	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	1,276	40	3.1	1	0	0.0	42	9	21.4	42	4	9.5
2008	1,141	34	3.0	5	4	80.0	22	0	0.0	41	3	7.3
2009	1,025	23	2.2	2	1	50.0	18	3	16.7	32	4	12.5
2010	973	34	3.5	4	2	50.0	21	1	4.8	39	2	5.1
2011	930*	31	3.3	1	0	0.0	24	4	16.7	39	5**	12.8

\* Lowest number reported in the 5-year period. \*\* Highest number reported in the 5-year period.

## Restraint use among reported vehicle occupants by vehicle type

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	793	732	92.3	0	0	0.0	20	14	70.0	26	22	84.6	80	76	95.0	645	620	96.1
Van, motorhome	64	60	93.8	0	0	0.0	0	0	0.0	1	0	0.0	7	7	100.0	52	52	100.0
Pickup truck	244	227	93.0	0	0	0.0	2	1	50.0	12	12	100.0	15	14	93.3	208	200	96.2
Small truck under 10,000 lbs. GVWR	31	28	90.3	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	28	28	100.0
Cycle	23	22	95.7	1	1	100.0	3	3	100.0	7	6	85.7	5	5	100.0	7	7	100.0
Moped	3	2	66.7	0	0	0.0	1	1	100.0	1	0	0.0	1	1	100.0	0	0	0.0
Go 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	1	1	100.0	0	0	0.0	1	1	100.0	0	0	0.0	0	0	0.0	0	0	0.0
Off-Road Vehicle (ORV) /All-Terrain Vehicle (ATV)	5	3	60.0	0	0	0.0	0	0	0.0	2	1	50.0	2	1	50.0	1	1	100.0
Other	1	1	100.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	0	0	0.0
Truck/bus over 10,000 lbs.	24	20	83.3	0	0	0.0	0	0	0.0	1	1	100.0	0	0	0.0	22	19	86.4
Uncoded & errors	15	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>TOTAL</b>	<b>1,204</b>	<b>1,096</b>	<b>91.0</b>	<b>1</b>	<b>1</b>	<b>100.0</b>	<b>27</b>	<b>20</b>	<b>74.1</b>	<b>50</b>	<b>42</b>	<b>84.0</b>	<b>111</b>	<b>105</b>	<b>94.6</b>	<b>963</b>	<b>927</b>	<b>96.3</b>

## Restraint use among reported vehicle occupants by age

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	15	13	86.7	0	0	0.0	3	3	100.0	3	2	66.7	7	6	85.7	2	2	100.0
16 - 20	132	126	95.5	0	0	0.0	6	5	83.3	7	7	100.0	15	13	86.7	104	101	97.1
21 - 64	868	830	95.6	1	1	100.0	15	10	66.7	33	28	84.8	75	73	97.3	743	717	96.5
65 +	133	127	95.5	0	0	0.0	3	2	66.7	7	5	71.4	14	13	92.9	109	107	98.2
Other/Unknown	56	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	5	0	0.0
<b>TOTAL</b>	<b>1,204</b>	<b>1,096</b>	<b>91.0</b>	<b>1</b>	<b>1</b>	<b>100.0</b>	<b>27</b>	<b>20</b>	<b>74.1</b>	<b>50</b>	<b>42</b>	<b>84.0</b>	<b>111</b>	<b>105</b>	<b>94.6</b>	<b>963</b>	<b>927</b>	<b>96.3</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Carney	0	0	0	0	0	0	0	0	0
Cedarville Twp.	1	2	1	1	0	0	0	0	1
Daggett	0	0	0	0	0	0	0	0	0
Daggett Twp.	0	0	0	0	0	0	0	0	0
Faithorn Twp.	0	0	0	0	0	0	0	0	0
Gourley Twp.	0	0	0	0	0	0	0	0	0
Harris Twp.	1	2	1	1	0	0	0	0	1
Holmes Twp.	0	0	0	0	0	0	0	0	0
Ingallston Twp.	0	0	0	0	0	0	0	0	0
Lake Twp.	4	3	3	4	0	0	0	1	3
Mellon Twp.	1	1	1	1	0	0	0	0	1
Menominee	17	10	9	10	0	0	0	0	10
Menominee Twp.	10	8	7	8	0	0	2	0	6
Meyer Twp.	1	1	1	1	0	0	0	0	1
Nadeau Twp	1	0	0	1	0	0	0	0	1
Powers	0	0	0	0	0	0	0	0	0
Spalding Twp.	2	1	1	2	0	0	0	0	2
Stephenson	2	2	2	2	0	0	0	2	0
Stephenson Twp.	0	0	0	0	0	0	0	0	0
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Menominee County TOTAL</b>	<b>40</b>	<b>30</b>	<b>26</b>	<b>31</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>3</b>	<b>26</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Carney	4	0	0	0	0	0	0	0	0	0	0	0
Cedarville Twp.	35	0	0	6	1	0	0	0	3	0	0	3
Daggett	8	0	0	0	0	0	0	0	2	0	0	0
Daggett Twp.	24	0	0	4	0	0	0	0	2	0	0	1
Faithorn Twp.	14	0	0	1	0	0	0	0	2	0	0	0
Gourley Twp.	15	0	0	4	0	0	0	0	3	0	0	1
Harris Twp.	72	0	0	7	1	0	0	0	7	0	0	1
Holmes Twp.	21	0	0	6	0	0	0	0	5	0	0	1
Ingallston Twp.	41	1	1	13	0	0	0	0	3	0	0	3
Lake Twp.	32	0	0	4	4	0	0	2	3	0	0	1
Mellon Twp.	73	0	0	18	1	0	0	2	6	0	0	6
Menominee	190	0	0	53	10	0	0	7	3	0	0	0
Menominee Twp.	161	0	0	46	8	0	0	7	12	0	0	3
Meyer Twp.	26	0	0	2	1	0	0	1	2	0	0	0
Nadeau Twp.	76	0	0	8	1	0	0	0	2	0	0	1
Powers	3	0	0	0	0	0	0	0	1	0	0	0
Spalding Twp.	80	0	0	10	2	0	0	0	16	0	0	3
Stephenson	13	0	0	5	2	0	0	0	0	0	0	0
Stephenson Twp.	42	0	0	7	0	0	0	0	5	0	0	3
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Menominee County TOTAL</b>	<b>930</b>	<b>1</b>	<b>1</b>	<b>194</b>	<b>31</b>	<b>0</b>	<b>0</b>	<b>19</b>	<b>77</b>	<b>0</b>	<b>0</b>	<b>27</b>

Restraint use among reported vehicle occupants by municipality

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Carney	5	5	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	5	5	100.0
Cedarville Twp.	38	36	94.7	0	0	0.0	2	2	100.0	0	0	0.0	3	2	66.7	33	32	97.0
Daggett	8	7	87.5	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	7	7	100.0
Daggett Twp.	27	25	92.6	0	0	0.0	0	0	0.0	0	0	0.0	3	2	66.7	23	23	100.0
Faithorn Twp.	16	16	100.0	0	0	0.0	0	0	0.0	1	1	100.0	0	0	0.0	15	15	100.0
Gourley Twp.	20	19	95.0	0	0	0.0	0	0	0.0	1	1	100.0	3	3	100.0	16	15	93.8
Harris Twp.	82	77	93.9	0	0	0.0	0	0	0.0	2	2	100.0	5	5	100.0	75	70	93.3
Holmes Twp.	24	23	95.8	0	0	0.0	0	0	0.0	3	3	100.0	3	3	100.0	18	17	94.4
Ingallston Twp.	50	47	94.0	1	1	100.0	1	1	100.0	6	5	83.3	6	5	83.3	36	35	97.2
Lake Twp.	34	33	97.1	0	0	0.0	1	0	0.0	2	2	100.0	1	1	100.0	30	30	100.0
Mellon Twp.	84	81	96.4	0	0	0.0	5	5	100.0	2	1	50.0	11	11	100.0	65	64	98.5
Menominee	363	301	82.9	0	0	0.0	4	2	50.0	10	6	60.0	36	35	97.2	265	257	97.0
Menominee Twp.	185	174	94.1	0	0	0.0	8	6	75.0	14	13	92.9	23	22	95.7	140	133	95.0
Meyer Twp.	27	26	96.3	0	0	0.0	0	0	0.0	0	0	0.0	2	1	50.0	25	25	100.0
Nadeau Twp.	80	75	93.8	0	0	0.0	1	1	100.0	3	3	100.0	4	4	100.0	72	67	93.1
Powers	3	3	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	3	3	100.0
Spalding Twp.	88	86	97.7	0	0	0.0	1	1	100.0	4	3	75.0	5	5	100.0	78	77	98.7
Stephenson	22	17	77.3	0	0	0.0	2	0	0.0	0	0	0.0	3	3	100.0	16	14	87.5
Stephenson Twp.	48	45	93.8	0	0	0.0	2	2	100.0	2	2	100.0	3	3	100.0	41	38	92.7
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Menominee County TOTAL</b>	<b>1,204</b>	<b>1,096</b>	<b>91.0</b>	<b>1</b>	<b>1</b>	<b>100.0</b>	<b>27</b>	<b>20</b>	<b>74.1</b>	<b>50</b>	<b>42</b>	<b>84.0</b>	<b>111</b>	<b>105</b>	<b>94.6</b>	<b>963</b>	<b>927</b>	<b>96.3</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	307	0	37	270	0	48
February	213	1	35	177	2	53
March	178	0	38	140	0	53
April	170	1	31	138	1	48
May	179	2	36	141	2	63
June	221	1	44	176	1	65
July	188	0	35	153	0	44
August	187	3	46	138	4	69
September	208	0	43	165	0	60
October	261	2	36	223	2	52
November	310	0	35	275	0	41
December	239	0	43	196	0	62
<b>TOTAL</b>	<b>2,661</b>	<b>10</b>	<b>459</b>	<b>2,192</b>	<b>12</b>	<b>658</b>

In Midland County in 2011 there were:  
2,661 crashes

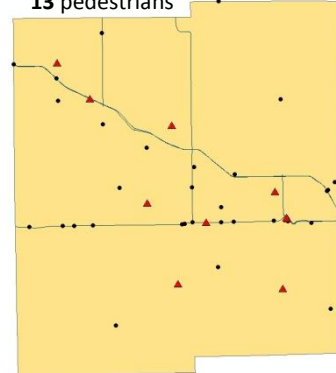
Involving:

4,480 people

4,453 motor vehicle drivers and passengers

14 bicyclists

13 pedestrians



Crashes by most severe injury (mapped/actual)

▲ Fatal (9/10)

● Incapacitating (A) (32/32)

## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	17,254	612	8	4.6	130.7
16 - 20	6,190	5,159	608	982.2	1178.5
21 - 64	47,801	47,838	2,855	597.3	596.8
65 +	12,384	11,213	345	278.6	307.7
Other/Unknown	--	--	169	--	--
<b>TOTAL</b>	<b>83,629</b>	<b>64,822</b>	<b>3,985</b>	<b>476.5</b>	<b>614.8</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	3,019	75.8	13	81.3	579	2,427
Van, motorhome	209	5.2	0	0.0	39	170
Pickup truck	606	15.2	2	12.5	120	484
Small truck under 10,000 lbs. GVWR	19	0.5	0	0.0	5	14
Cycle	30	0.8	1	6.3	20	9
Moped	3	0.1	0	0.0	2	1
Go 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)	2	0.1	0	0.0	2	0
Other	10	0.3	0	0.0	1	9
Truck/bus over 10,000 lbs.	45	1.1	0	0.0	7	38
Unknown	42	1.1	0	0.0	1	41
<b>TOTAL</b>	<b>3,985</b>	<b>100.0</b>	<b>16</b>	<b>100.0</b>	<b>776</b>	<b>3,193</b>

## Midland County Experience

Midland County experienced the highest number of fatal crashes (3) and the highest number of persons killed (4) in August.

Midland County driver statistics indicate 8.0 percent of licensed drivers were age 16-20, and 15.3 percent of drivers in that age group were involved in crashes.



Crash Type								
	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	1,390	52.2	4	40.0	13	66	88	1,219
Head On	35	1.3	2	20.0	7	5	8	13
Head On - Left Turn	29	1.1	0	0.0	2	3	11	13
Angle	417	15.7	2	20.0	5	24	84	302
Rear End	403	15.1	1	10.0	2	4	73	323
Rear End - Left Turn	34	1.3	0	0.0	0	2	9	23
Rear End - Right Turn	36	1.4	0	0.0	0	3	7	26
Sideswipe - Same Direction	158	5.9	0	0.0	0	3	10	145
Sideswipe - Opposite Direct	45	1.7	0	0.0	1	1	9	34
Other/Unknown	114	4.3	1	10.0	2	2	15	94
<b>Total</b>	<b>2,661</b>	<b>100.0</b>	<b>10</b>	<b>100.0</b>	<b>32</b>	<b>113</b>	<b>314</b>	<b>2,192</b>

Relationship to Roadway								
Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	2,203	82.8	9	90.0	19	67	247	1,861
Median	10	0.4	0	0.0	0	0	1	9
Shoulder	86	3.2	0	0.0	1	9	11	65
Outside of Shoulder/Curb	332	12.5	1	10.0	11	35	50	235
Gore	10	0.4	0	0.0	1	2	3	4
Other/Unknown	20	0.8	0	0.0	0	0	2	18
<b>Total</b>	<b>2,661</b>	<b>100.0</b>	<b>10</b>	<b>100.0</b>	<b>32</b>	<b>113</b>	<b>314</b>	<b>2,192</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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	14	14	8	8	0	1	2	4	1
21 - 64	64	63	47	56	0	4	10	17	25
65 +	3	4	1	1	0	1	0	0	0
Other/Unknown	3	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>84</b>	<b>81</b>	<b>56</b>	<b>65</b>	<b>0</b>	<b>6</b>	<b>12</b>	<b>21</b>	<b>26</b>

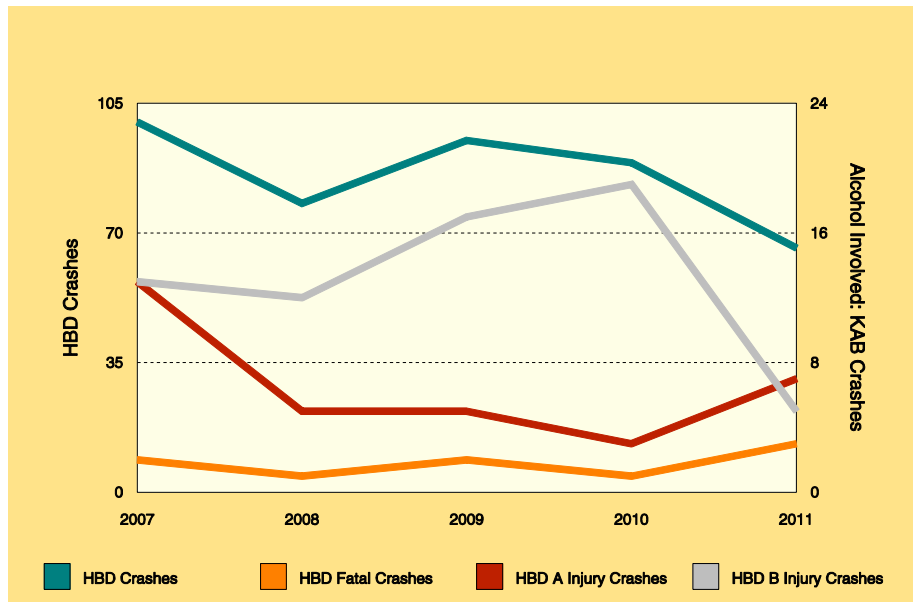
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

MIDLAND	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	2,725	100	3.7	8	2	25.0	44	13	29.6	133	13	9.8
2008	2,665	78	2.9	5	1	20.0	25	5	20.0	117	12	10.3
2009	2,700	95	3.5	9	2	22.2	39	5	12.8	135	17	12.6
2010	2,668	89	3.3	5	1	20.0	27	3	11.1	128	19	14.8
2011	2,661*	66*	2.5	10**	3**	30.0	32	7	21.9	113*	5*	4.4

\* Lowest number reported in the 5-year period. \*\* Highest number reported in the 5-year period.

**Restraint use among reported vehicle occupants by vehicle type**

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	3,164	3,014	95.3	8	7	87.5	37	29	78.4	102	93	91.2	353	345	97.7	2,574	2,540	98.7
Van, motorhome	220	212	96.4	0	0	0.0	1	1	100.0	3	2	66.7	31	31	100.0	182	178	97.8
Pickup truck	628	602	95.9	0	0	0.0	3	1	33.3	26	24	92.3	47	44	93.6	539	533	98.9
Small truck under 10,000 lbs. GVWR	21	18	85.7	0	0	0.0	0	0	0.0	5	4	80.0	0	0	0.0	14	14	100.0
Cycle	33	33	100.0	1	1	100.0	4	4	100.0	11	11	100.0	7	7	100.0	10	10	100.0
Moped	4	1	25.0	0	0	0.0	0	0	0.0	2	0	0.0	1	1	100.0	0	0	0.0
Go 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)	2	0	0.0	0	0	0.0	1	0	0.0	0	0	0.0	1	0	0.0	0	0	0.0
Other	10	3	30.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	7	3	42.9
Truck/bus over 10,000 lbs.	45	44	97.8	0	0	0.0	1	0	0.0	0	0	0.0	1	1	100.0	43	43	100.0
Uncoded & errors	42	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0
<b>TOTAL</b>	<b>4,169</b>	<b>3,927</b>	<b>94.2</b>	<b>9</b>	<b>8</b>	<b>88.9</b>	<b>47</b>	<b>35</b>	<b>74.5</b>	<b>149</b>	<b>134</b>	<b>89.9</b>	<b>441</b>	<b>429</b>	<b>97.3</b>	<b>3,370</b>	<b>3,321</b>	<b>98.5</b>

**Restraint use among reported vehicle occupants by age**

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	57	54	94.7	0	0	0.0	0	0	0.0	20	17	85.0	30	30	100.0	7	7	100.0
16 - 20	645	629	97.5	2	2	100.0	9	4	44.4	29	24	82.8	73	70	95.9	532	529	99.4
21 - 64	2,932	2,883	98.3	3	3	100.0	31	24	77.4	83	78	94.0	290	282	97.2	2,522	2,496	99.0
65 +	366	361	98.6	4	3	75.0	7	7	100.0	15	15	100.0	48	47	97.9	292	289	99.0
Other/Unknown	169	0	0.0	0	0	0.0	0	0	0.0	2	0	0.0	0	0	0.0	17	0	0.0
<b>TOTAL</b>	<b>4,169</b>	<b>3,927</b>	<b>94.2</b>	<b>9</b>	<b>8</b>	<b>88.9</b>	<b>47</b>	<b>35</b>	<b>74.5</b>	<b>149</b>	<b>134</b>	<b>89.9</b>	<b>441</b>	<b>429</b>	<b>97.3</b>	<b>3,370</b>	<b>3,321</b>	<b>98.5</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Coleman	0	1	0	0	0	0	0	0	0
Edenville Twp.	1	0	0	1	0	0	0	0	1
Geneva Twp.	0	0	0	0	0	0	0	0	0
Greendale Twp.	1	2	0	1	0	0	0	0	1
Homer Twp.	0	0	0	0	0	0	0	0	0
Hope Twp.	3	3	2	3	0	0	0	1	2
Ingersoll Twp.	3	3	1	2	0	0	0	0	2
Jasper Twp.	0	0	0	0	0	0	0	0	0
Jerome Twp.	10	10	7	8	0	2	1	1	4
Larkin Twp.	4	4	4	4	0	0	1	3	0
Lee Twp.	8	7	5	6	0	0	0	3	3
Lincoln Twp.	0	0	0	0	0	0	0	0	0
Midland	36	34	25	25	0	3	7	8	7
Midland Twp.	2	1	1	2	0	0	0	0	2
Mills Twp.	4	2	2	3	0	0	0	1	2
Mt. Haley Twp.	3	3	3	3	0	0	2	0	1
Porter Twp.	0	1	0	0	0	0	0	0	0
Sanford	0	0	0	0	0	0	0	0	0
Warren Twp.	5	5	3	4	0	1	1	1	1
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Midland County TOTAL</b>	<b>84</b>	<b>81</b>	<b>56</b>	<b>65</b>	<b>0</b>	<b>6</b>	<b>12</b>	<b>21</b>	<b>26</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Coleman	15	0	0	2	0	0	0	0	1	0	0	1
Edenville Twp.	38	0	0	4	1	0	0	0	4	0	0	0
Geneva Twp.	39	0	0	2	0	0	0	0	4	0	0	0
Greendale Twp.	67	0	0	27	1	0	0	1	12	0	0	6
Homer Twp.	0	0	0	0	0	0	0	0	0	0	0	0
Hope Twp.	40	0	0	14	3	0	0	1	9	0	0	5
Ingersoll Twp.	83	1	1	19	2	0	0	3	12	0	0	7
Jasper Twp.	42	0	0	3	0	0	0	0	3	0	0	0
Jerome Twp.	96	1	1	33	8	0	0	6	23	0	0	7
Larkin Twp.	128	0	0	27	4	0	0	2	13	0	0	7
Lee Twp.	125	1	1	45	6	1	1	10	23	0	0	10
Lincoln Twp.	0	0	0	0	0	0	0	0	0	0	0	0
Midland	1,342	3	3	315	26	1	1	13	96	0	0	21
Midland Twp.	81	0	0	28	2	0	0	1	6	0	0	3
Mills Twp.	67	0	0	16	3	0	0	2	11	0	0	5
Mt. Haley Twp.	59	0	0	16	3	0	0	2	8	0	0	5
Porter Twp.	97	1	1	12	0	0	0	0	18	0	0	6
Sanford	21	0	0	3	0	0	0	0	3	0	0	0
Warren Twp.	135	2	3	29	4	1	2	1	21	0	0	8
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Midland County TOTAL</b>	<b>2,661</b>	<b>10</b>	<b>12</b>	<b>658</b>	<b>66</b>	<b>3</b>	<b>4</b>	<b>43</b>	<b>298</b>	<b>1</b>	<b>2</b>	<b>98</b>

**Restraint use among reported vehicle occupants by municipality**

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Coleman	28	26	92.9	0	0	0.0	0	0	0.0	0	0	0.0	2	1	50.0	26	25	96.2
Edenville Twp.	47	46	97.9	0	0	0.0	0	0	0.0	0	0	0.0	4	4	100.0	43	42	97.7
Geneva Twp.	42	42	100.0	0	0	0.0	0	0	0.0	1	1	100.0	1	1	100.0	40	40	100.0
Greendale Twp.	89	85	95.5	0	0	0.0	5	4	80.0	5	4	80.0	17	16	94.1	61	61	100.0
Homer Twp.	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Hope Twp.	50	47	94.0	0	0	0.0	1	1	100.0	6	5	83.3	7	7	100.0	36	34	94.4
Ingersoll Twp.	102	97	95.1	0	0	0.0	2	2	100.0	9	8	88.9	7	7	100.0	83	80	96.4
Jasper Twp.	43	41	95.3	0	0	0.0	0	0	0.0	1	1	100.0	1	1	100.0	41	39	95.1
Jerome Twp.	121	118	97.5	1	1	100.0	7	5	71.4	8	8	100.0	17	17	100.0	88	87	98.9
Larkin Twp.	160	155	96.9	0	0	0.0	1	1	100.0	4	4	100.0	22	22	100.0	129	128	99.2
Lee Twp.	177	163	92.1	1	1	100.0	7	3	42.9	18	15	83.3	20	18	90.0	129	126	97.7
Lincoln Twp.	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Midland	2,474	2,300	93.0	1	0	0.0	7	5	71.4	51	44	86.3	244	236	96.7	2,041	2,015	98.7
Midland Twp.	115	110	95.7	0	0	0.0	3	2	66.7	6	5	83.3	16	16	100.0	87	87	100.0
Mills Twp.	74	72	97.3	0	0	0.0	0	0	0.0	6	6	100.0	9	9	100.0	59	57	96.6
Mt. Haley Twp.	73	70	95.9	0	0	0.0	1	0	0.0	8	7	87.5	7	7	100.0	57	56	98.2
Porter Twp.	106	103	97.2	1	1	100.0	1	1	100.0	2	2	100.0	9	9	100.0	92	90	97.8
Sanford	32	31	96.9	0	0	0.0	0	0	0.0	1	1	100.0	2	2	100.0	28	28	100.0
Warren Twp.	156	153	98.1	3	3	100.0	6	5	83.3	5	5	100.0	18	18	100.0	123	122	99.2
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Midland County TOTAL</b>	<b>4,169</b>	<b>3,927</b>	<b>94.2</b>	<b>9</b>	<b>8</b>	<b>88.9</b>	<b>47</b>	<b>35</b>	<b>74.5</b>	<b>149</b>	<b>134</b>	<b>89.9</b>	<b>441</b>	<b>429</b>	<b>97.3</b>	<b>3,370</b>	<b>3,321</b>	<b>98.5</b>

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## Crash and Injuries by Month

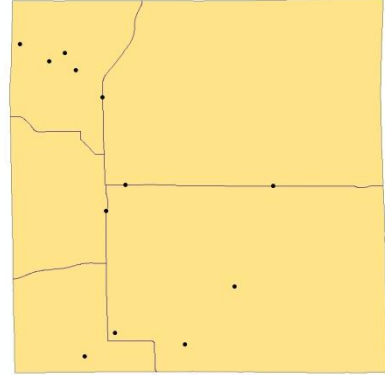
Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	56	0	2	54	0	3
February	45	0	8	37	0	12
March	50	0	1	49	0	3
April	52	0	5	47	0	8
May	37	0	2	35	0	2
June	53	0	3	50	0	4
July	34	0	3	31	0	4
August	37	0	5	32	0	10
September	42	0	7	35	0	9
October	65	0	4	61	0	4
November	69	0	1	68	0	1
December	64	0	5	59	0	8
<b>TOTAL</b>	<b>604</b>	<b>0</b>	<b>46</b>	<b>558</b>	<b>0</b>	<b>68</b>

In Missaukee County in 2011 there were:  
**604** crashes

Involving:

**807** people

**804** motor vehicle drivers and passengers  
**3** pedestrians



Crashes by most severe injury (mapped/actual)

▲ Fatal (0/0)  
● Incapacitating (A) (12/12)

## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	3,125	79	2	6.4	253.2
16 - 20	933	819	79	846.7	964.6
21 - 64	8,210	7,823	528	643.1	674.9
65 +	2,581	2,473	67	259.6	270.9
Other/Unknown	--	--	6	--	--
<b>TOTAL</b>	<b>14,849</b>	<b>11,194</b>	<b>682</b>	<b>459.3</b>	<b>609.3</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	437	64.1	0	0.0	36	401
Van, motorhome	33	4.8	0	0.0	5	28
Pickup truck	171	25.1	0	0.0	17	154
Small truck under 10,000 lbs. GVWR	16	2.3	0	0.0	1	15
Cycle	5	0.7	0	0.0	3	2
Moped	0	0.0	0	0.0	0	0
Go Cart	0	0.0	0	0.0	0	0
Snowmobile	2	0.3	0	0.0	0	2
Off-Road Vehicle (ORV) / All-Terrain Vehicle (ATV)	4	0.6	0	0.0	3	1
Other	3	0.4	0	0.0	0	3
Truck/bus over 10,000 lbs.	9	1.3	0	0.0	2	7
Unknown	2	0.3	0	0.0	0	2
<b>TOTAL</b>	<b>682</b>	<b>100.0</b>	<b>0</b>	<b>0.0</b>	<b>67</b>	<b>615</b>

## Missaukee County Experience

Missaukee County did not experience a fatal crash.

Missaukee County driver statistics indicate 7.3 percent of licensed drivers were age 16-20, and 11.6 percent of drivers in that age group were involved in crashes.

In Missaukee County, motorcycles accounted for only 0.7 percent of the total vehicles in crashes, but were involved in 4.5 percent of the total injury crashes.



Crash Type								
	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	524	86.8	0	0.0	5	9	14	496
Head On	6	1.0	0	0.0	3	2	0	1
Head On - Left Turn	1	0.2	0	0.0	0	0	0	1
Angle	23	3.8	0	0.0	2	1	2	18
Rear End	15	2.5	0	0.0	2	0	2	11
Rear End - Left Turn	7	1.2	0	0.0	0	3	0	4
Rear End - Right Turn	4	0.7	0	0.0	0	0	0	4
Sideswipe - Same Direction	11	1.8	0	0.0	0	1	0	10
Sideswipe - Opposite Direct	5	0.8	0	0.0	0	0	0	5
Other/Unknown	8	1.3	0	0.0	0	0	0	8
<b>Total</b>	<b>604</b>	<b>100.0</b>	<b>0</b>	<b>0.0</b>	<b>12</b>	<b>16</b>	<b>18</b>	<b>558</b>

Relationship to Roadway								
Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	500	82.8	0	0.0	8	8	7	477
Median	0	0.0	0	0.0	0	0	0	0
Shoulder	20	3.3	0	0.0	2	0	2	16
Outside of Shoulder/Curb	68	11.3	0	0.0	1	5	8	54
Gore	0	0.0	0	0.0	0	0	0	0
Other/Unknown	16	2.6	0	0.0	1	3	1	11
<b>Total</b>	<b>604</b>	<b>100.0</b>	<b>0</b>	<b>0.0</b>	<b>12</b>	<b>16</b>	<b>18</b>	<b>558</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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	1	2	0	1	0	0	0	0	1
21 - 64	23	15	14	22	0	0	0	0	22
65 +	0	1	0	0	0	0	0	0	0
Other/Unknown	2	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>26</b>	<b>18</b>	<b>14</b>	<b>23</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>23</b>

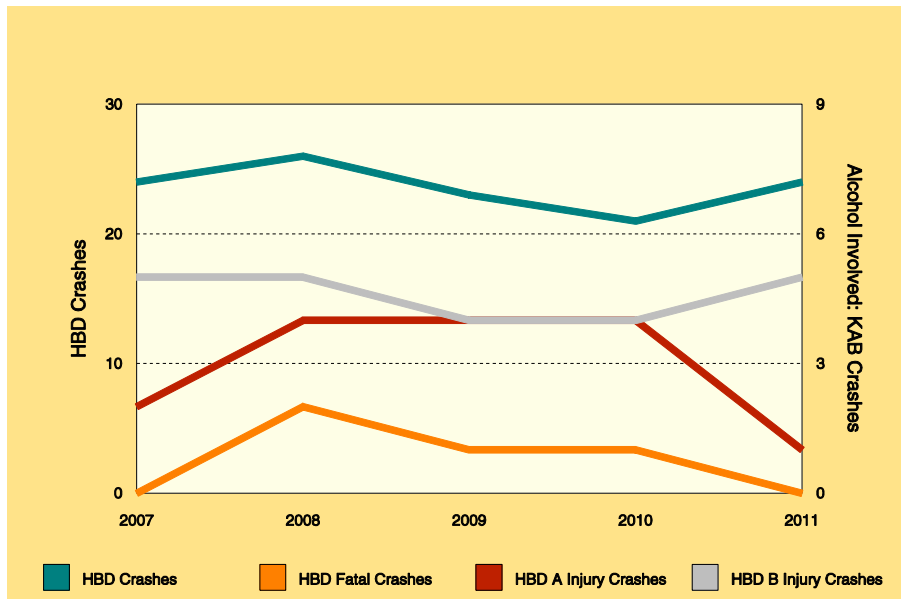
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

MISSAUKEE	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	714	24	3.4	0	0	66.7	19	2	10.5	23	5	21.7
2008	659	26	4.0	7	2	28.6	17	4	23.5	21	5	23.8
2009	596	23	3.9	3	1	33.3	18	4	22.2	22	4	18.2
2010	644	21	3.3	5	1	20.0	13	4	30.8	19	4	21.1
2011	604	24	4.0	0	0	0.0	12*	1*	8.3	16*	5	31.3

\* Lowest number reported in the 5-year period.

**Restraint use among reported vehicle occupants by vehicle type**

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	450	434	96.4	0	0	0.0	4	2	50.0	16	13	81.3	17	16	94.1	413	403	97.6
Van, motorhome	34	32	94.1	0	0	0.0	0	0	0.0	1	1	100.0	4	4	100.0	28	27	96.4
Pickup truck	177	169	95.5	0	0	0.0	4	3	75.0	2	1	50.0	9	9	100.0	159	155	97.5
Small truck under 10,000 lbs. GVWR	17	17	100.0	0	0	0.0	0	0	0.0	1	1	100.0	0	0	0.0	16	16	100.0
Cycle	5	5	100.0	0	0	0.0	2	2	100.0	0	0	0.0	1	1	100.0	1	1	100.0
Moped	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	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	2	2	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0
Off-Road Vehicle (ORV) /All-Terrain Vehicle (ATV)	5	2	40.0	0	0	0.0	2	2	100.0	2	0	0.0	0	0	0.0	1	0	0.0
Other	3	1	33.3	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	3	1	33.3
Truck/bus over 10,000 lbs.	9	7	77.8	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	9	7	77.8
Uncoded & errors	2	1	50.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0
<b>TOTAL</b>	<b>704</b>	<b>670</b>	<b>95.2</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>12</b>	<b>9</b>	<b>75.0</b>	<b>22</b>	<b>16</b>	<b>72.7</b>	<b>31</b>	<b>30</b>	<b>96.8</b>	<b>633</b>	<b>613</b>	<b>96.8</b>

**Restraint use among reported vehicle occupants by age**

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	6	5	83.3	0	0	0.0	1	0	0.0	3	3	100.0	1	1	100.0	1	1	100.0
16 - 20	85	81	95.3	0	0	0.0	2	2	100.0	4	2	50.0	8	7	87.5	71	70	98.6
21 - 64	539	517	95.9	0	0	0.0	9	7	77.8	14	10	71.4	17	17	100.0	499	483	96.8
65 +	68	66	97.1	0	0	0.0	0	0	0.0	1	1	100.0	5	5	100.0	61	59	96.7
Other/Unknown	6	1	16.7	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0
<b>TOTAL</b>	<b>704</b>	<b>670</b>	<b>95.2</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>12</b>	<b>9</b>	<b>75.0</b>	<b>22</b>	<b>16</b>	<b>72.7</b>	<b>31</b>	<b>30</b>	<b>96.8</b>	<b>633</b>	<b>613</b>	<b>96.8</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers  
in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol- involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Aetna Twp.	0	0	0	0	0	0	0	0	0
Bloomfield Twp.	0	0	0	0	0	0	0	0	0
Butterfield Twp.	2	0	0	2	0	0	0	0	2
Caldwell Twp.	1	1	0	1	0	0	0	0	1
Clam Union Twp.	3	1	1	3	0	0	0	0	3
Enterprise Twp.	0	0	0	0	0	0	0	0	0
Forest Twp.	6	3	3	4	0	0	0	0	4
Holland Twp.	1	1	1	1	0	0	0	0	1
Lake City	1	1	0	1	0	0	0	0	1
Lake Twp.	3	4	3	3	0	0	0	0	3
McBain	0	0	0	0	0	0	0	0	0
Norwich Twp.	0	0	0	0	0	0	0	0	0
Pioneer Twp.	2	2	2	2	0	0	0	0	2
Reeder Twp.	4	2	2	3	0	0	0	0	3
Richland Twp.	2	1	1	2	0	0	0	0	2
Riverside Twp.	1	2	1	1	0	0	0	0	1
West Branch Twp	0	0	0	0	0	0	0	0	0
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Missaukee County TOTAL</b>	<b>26</b>	<b>18</b>	<b>14</b>	<b>23</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>23</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Aetna Twp.	14	0	0	0	0	0	0	0	1	0	0	0
Bloomfield Twp.	15	0	0	6	0	0	0	0	2	0	0	2
Butterfield Twp.	13	0	0	0	2	0	0	0	1	0	0	0
Caldwell Twp.	31	0	0	6	1	0	0	0	5	0	0	0
Clam Union Twp.	32	0	0	2	3	0	0	0	4	0	0	1
Enterprise Twp.	13	0	0	1	0	0	0	0	1	0	0	1
Forest Twp.	26	0	0	6	5	0	0	4	3	0	0	0
Holland Twp.	14	0	0	1	1	0	0	1	2	0	0	0
Lake City	18	0	0	2	1	0	0	0	2	0	0	0
Lake Twp.	126	0	0	13	3	0	0	1	10	0	0	2
McBain	8	0	0	0	0	0	0	0	0	0	0	0
Norwich Twp.	11	0	0	1	0	0	0	0	2	0	0	1
Pioneer Twp.	14	0	0	3	2	0	0	2	2	0	0	0
Reeder Twp.	73	0	0	16	3	0	0	1	6	0	0	10
Richland Twp.	44	0	0	2	2	0	0	0	7	0	0	1
Riverside Twp.	107	0	0	7	1	0	0	1	10	0	0	4
West Branch Twp	45	0	0	2	0	0	0	0	5	0	0	0
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Missaukee County TOTAL</b>	<b>604</b>	<b>0</b>	<b>0</b>	<b>68</b>	<b>24</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>63</b>	<b>0</b>	<b>0</b>	<b>22</b>

## Restraint use among reported vehicle occupants by municipality

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Aetna Twp.	16	15	93.8	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	16	15	93.8
Bloomfield Twp.	18	18	100.0	0	0	0.0	4	4	100.0	2	2	100.0	0	0	0.0	12	12	100.0
Butterfield Twp.	15	14	93.3	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	15	14	93.3
Caldwell Twp.	34	32	94.1	0	0	0.0	0	0	0.0	2	2	100.0	4	4	100.0	28	26	92.9
Clam Union Twp.	36	34	94.4	0	0	0.0	1	1	100.0	0	0	0.0	1	1	100.0	34	32	94.1
Enterprise Twp.	14	14	100.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	13	13	100.0
Forest Twp.	31	27	87.1	0	0	0.0	0	0	0.0	3	1	33.3	2	2	100.0	25	24	96.0
Holland Twp.	15	15	100.0	0	0	0.0	0	0	0.0	1	1	100.0	0	0	0.0	14	14	100.0
Lake City	30	29	96.7	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0	27	26	96.3
Lake Twp.	147	141	95.9	0	0	0.0	0	0	0.0	3	2	66.7	9	9	100.0	134	130	97.0
McBain	13	13	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	12	12	100.0
Norwich Twp.	12	11	91.7	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	11	10	90.9
Pioneer Twp.	16	14	87.5	0	0	0.0	0	0	0.0	3	1	33.3	0	0	0.0	13	13	100.0
Reeder Twp.	94	90	95.7	0	0	0.0	3	3	100.0	5	4	80.0	8	8	100.0	77	75	97.4
Richland Twp.	48	45	93.8	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	46	44	95.7
Riverside Twp.	116	110	94.8	0	0	0.0	3	1	33.3	2	2	100.0	2	1	50.0	109	106	97.2
West Branch Twp	49	48	98.0	0	0	0.0	1	0	0.0	1	1	100.0	0	0	0.0	47	47	100.0
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Missaukee County TOTAL</b>	<b>704</b>	<b>670</b>	<b>95.2</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>12</b>	<b>9</b>	<b>75.0</b>	<b>22</b>	<b>16</b>	<b>72.7</b>	<b>31</b>	<b>30</b>	<b>96.8</b>	<b>633</b>	<b>613</b>	<b>96.8</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	394	1	62	331	1	84
February	378	4	60	314	6	97
March	296	3	61	232	4	82
April	242	0	56	186	0	75
May	298	0	63	235	0	90
June	290	1	62	227	1	83
July	288	3	66	219	3	103
August	248	4	62	182	4	90
September	276	3	50	223	3	66
October	352	3	60	289	3	78
November	325	2	46	277	2	62
December	356	0	64	292	0	90
<b>TOTAL</b>	<b>3,743</b>	<b>24</b>	<b>712</b>	<b>3,007</b>	<b>27</b>	<b>1,000</b>

In Monroe County in 2011 there were:  
3,743 crashes

Involving:

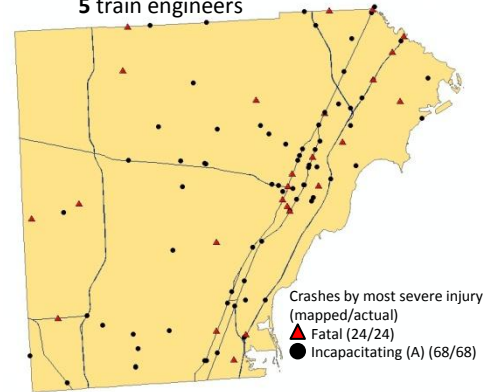
7,755 people

7,680 motor vehicle drivers and passengers

39 bicyclists

31 pedestrians

5 train engineers



## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	31,966	835	18	5.6	215.6
16 - 20	10,744	8,910	908	845.1	1019.1
21 - 64	88,919	87,495	4,164	468.3	475.9
65 +	20,392	18,967	482	236.4	254.1
Other/Unknown	--	--	543	--	--
<b>TOTAL</b>	<b>152,021</b>	<b>116,207</b>	<b>6,115</b>	<b>402.2</b>	<b>526.2</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Monroe County Experience

Monroe County experienced the highest number of fatal crashes (4) in February and August, and the highest number of persons killed (6) in February.

Monroe County driver statistics indicate 7.7 percent of licensed drivers were age 16-20, and 14.9 percent of drivers in that age group were involved in crashes.

In Monroe County, pickup trucks accounted for 14.5 percent of the total vehicles in crashes, and were involved in 23.5 percent of the total injury crashes.



## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	4,240	69.3	19	55.9	864	3,357
Van, motorhome	260	4.3	0	0.0	48	212
Pickup truck	887	14.5	8	23.5	174	705
Small truck under 10,000 lbs. GVWR	235	3.8	0	0.0	48	187
Cycle	52	0.9	2	5.9	35	15
Moped	5	0.1	0	0.0	3	2
Go 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)	5	0.1	0	0.0	4	1
Other	12	0.2	0	0.0	1	11
Truck/bus over 10,000 lbs.	308	5.0	5	14.7	55	248
Unknown	110	1.8	0	0.0	7	103
<b>TOTAL</b>	<b>6,115</b>	<b>100.0</b>	<b>34</b>	<b>100.0</b>	<b>1,240</b>	<b>4,841</b>

Crash Type								
	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	1,522	40.7	15	62.5	28	70	149	1,260
Head On	46	1.2	3	12.5	2	9	9	23
Head On - Left Turn	84	2.2	0	0.0	7	12	15	50
Angle	597	15.9	3	12.5	15	44	113	422
Rear End	816	21.8	2	8.3	7	24	125	658
Rear End - Left Turn	38	1.0	0	0.0	0	1	6	31
Rear End - Right Turn	30	0.8	0	0.0	1	0	7	22
Sideswipe - Same Direction	323	8.6	1	4.2	2	5	20	295
Sideswipe - Opposite Direct	106	2.8	0	0.0	3	4	8	91
Other/Unknown	181	4.8	0	0.0	3	6	17	155
<b>Total</b>	<b>3,743</b>	<b>100.0</b>	<b>24</b>	<b>100.0</b>	<b>68</b>	<b>175</b>	<b>469</b>	<b>3,007</b>

Relationship to Roadway								
Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	2,825	75.5	19	79.2	44	128	346	2,288
Median	48	1.3	0	0.0	1	1	11	35
Shoulder	192	5.1	0	0.0	2	11	34	145
Outside of Shoulder/Curb	569	15.2	5	20.8	18	27	64	455
Gore	25	0.7	0	0.0	1	3	4	17
Other/Unknown	84	2.2	0	0.0	2	5	10	67
<b>Total</b>	<b>3,743</b>	<b>100.0</b>	<b>24</b>	<b>100.0</b>	<b>68</b>	<b>175</b>	<b>469</b>	<b>3,007</b>

Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age									
Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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	33	27	18	24	1	3	8	4	8
21 - 64	205	125	93	148	1	2	13	30	102
65 +	6	6	1	2	0	1	0	0	1
Other/Unknown	19	1	0	2	0	0	0	0	2
<b>TOTAL</b>	<b>263</b>	<b>159</b>	<b>112</b>	<b>176</b>	<b>2</b>	<b>6</b>	<b>21</b>	<b>34</b>	<b>113</b>

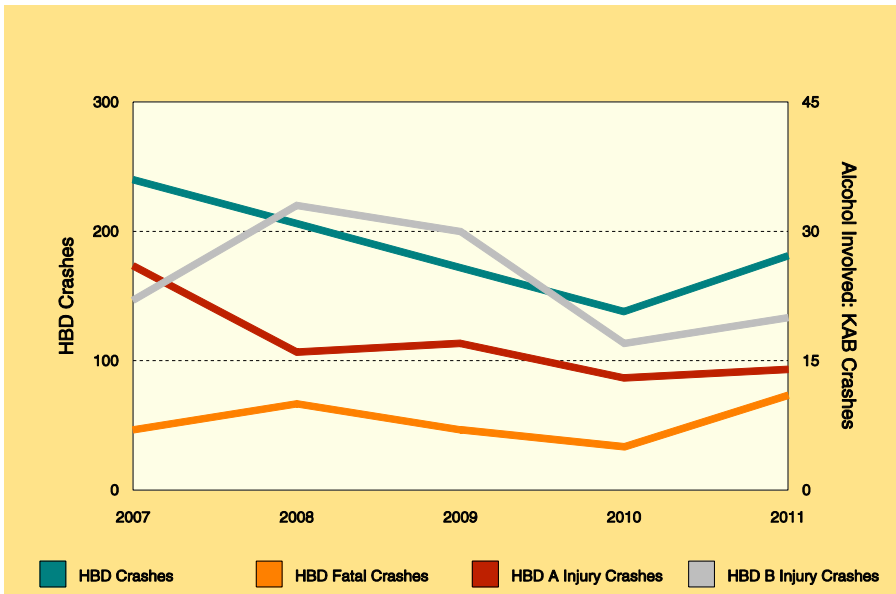
Notes:

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.

Crashes Involving Alcohol



Note: Had-Been-Drinking (HBD)

MONROE	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	4,050	240	5.9	23	7	30.4	146	26	17.8	211	22	10.4
2008	4,134	206	5.0	22	10	45.5	102	16	15.7	200	33	16.5
2009	3,689	172	4.7	14	7	50.0	93	17	18.3	213	30	14.1
2010	3,797	138	3.6	18	5	27.8	96	13	13.5	193	17	8.8
2011	3,743	181	4.8	24*	11*	45.8	68**	14	20.6	175**	20**	11.4

\* Highest number reported in the 5-year period. \*\* Lowest number reported in the 5-year period.

## Restraint use among reported vehicle occupants by vehicle type

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	4,455	3,952	88.7	12	7	58.3	59	49	83.1	150	128	85.3	502	464	92.4	3,465	3,302	95.3
Van, motorhome	265	238	89.8	0	0	0.0	3	3	100.0	7	6	85.7	18	17	94.4	220	212	96.4
Pickup truck	921	783	85.0	6	4	66.7	3	3	100.0	20	15	75.0	84	75	89.3	718	683	95.1
Small truck under 10,000 lbs. GVWR	245	221	90.2	0	0	0.0	2	1	50.0	7	7	100.0	31	30	96.8	191	183	95.8
Cycle	57	49	86.0	2	2	100.0	14	11	78.6	11	10	90.9	14	13	92.9	14	13	92.9
Moped	5	2	40.0	0	0	0.0	1	0	0.0	0	0	0.0	2	1	50.0	2	1	50.0
Go Cart	1	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	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)	5	3	60.0	0	0	0.0	1	0	0.0	2	2	100.0	1	1	100.0	1	0	0.0
Other	12	3	25.0	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0	6	3	50.0
Truck/bus over 10,000 lbs.	312	276	88.5	0	0	0.0	1	1	100.0	1	1	100.0	17	12	70.6	274	262	95.6
Uncoded & errors	110	1	0.9	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	8	1	12.5
<b>TOTAL</b>	<b>6,388</b>	<b>5,528</b>	<b>86.5</b>	<b>20</b>	<b>13</b>	<b>65.0</b>	<b>84</b>	<b>68</b>	<b>81.0</b>	<b>198</b>	<b>169</b>	<b>85.4</b>	<b>670</b>	<b>613</b>	<b>91.5</b>	<b>4,900</b>	<b>4,660</b>	<b>95.1</b>

## Restraint use among reported vehicle occupants by age

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	87	80	92.0	0	0	0.0	3	3	100.0	10	8	80.0	57	52	91.2	17	17	100.0
16 - 20	985	917	93.1	6	4	66.7	19	13	68.4	48	41	85.4	130	117	90.0	780	741	95.0
21 - 64	4,274	4,049	94.7	11	8	72.7	57	47	82.5	125	106	84.8	428	395	92.3	3,648	3,490	95.7
65 +	499	479	96.0	3	1	33.3	5	5	100.0	15	14	93.3	52	49	94.2	424	410	96.7
Other/Unknown	543	3	0.6	0	0	0.0	0	0	0.0	0	0	0.0	3	0	0.0	31	2	6.5
<b>TOTAL</b>	<b>6,388</b>	<b>5,528</b>	<b>86.5</b>	<b>20</b>	<b>13</b>	<b>65.0</b>	<b>84</b>	<b>68</b>	<b>81.0</b>	<b>198</b>	<b>169</b>	<b>85.4</b>	<b>670</b>	<b>613</b>	<b>91.5</b>	<b>4,900</b>	<b>4,660</b>	<b>95.1</b>



Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality									
Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Ash Twp.	16	8	8	14	0	0	4	1	9
Bedford Twp.	42	19	17	26	1	1	3	7	14
Berlin Twp.	21	18	12	16	1	1	1	3	10
Carleton	0	0	0	0	0	0	0	0	0
Dundee	2	2	1	2	0	0	0	1	1
Dundee Twp.	5	2	2	3	0	0	0	0	3
Erie Twp.	14	10	7	11	0	1	1	4	5
Estral Beach	1	0	0	1	0	0	0	0	1
Exeter Twp.	2	2	2	2	0	0	0	2	0
Frenchtown Twp.	45	19	12	27	0	1	3	3	20
Ida Twp.	7	1	1	4	0	0	0	0	4
Lasalle Twp.	10	8	4	7	0	0	0	3	4
London Twp.	5	5	2	4	0	1	0	0	3
Luna Pier	0	0	0	0	0	0	0	0	0
Maybee	0	0	0	0	0	0	0	0	0
Milan	2	1	0	1	0	0	0	0	1
Milan Twp.	3	1	1	3	0	0	0	1	2
Monroe	46	30	21	24	0	0	4	5	15
Monroe Twp.	15	8	5	10	0	1	1	0	8
Petersburg	0	0	0	0	0	0	0	0	0
Raisinville Twp.	4	3	3	3	0	0	0	2	1
South Rockwood	4	5	3	3	0	0	1	0	2
Summerfield Twp.	11	10	7	8	0	0	3	1	4
Whiteford Twp.	8	7	4	7	0	0	0	1	6
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Monroe County TOTAL</b>	<b>263</b>	<b>159</b>	<b>112</b>	<b>176</b>	<b>2</b>	<b>6</b>	<b>21</b>	<b>34</b>	<b>113</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Ash Twp.	175	0	0	55	14	0	0	8	41	0	0	14
Bedford Twp.	502	0	0	141	25	0	0	13	44	0	0	2
Berlin Twp.	149	3	3	57	16	0	0	10	33	0	0	9
Carleton	14	0	0	1	0	0	0	0	1	0	0	0
Dundee	100	0	0	17	2	0	0	1	14	0	0	3
Dundee Twp.	59	0	0	13	3	0	0	1	12	0	0	2
Erie Twp.	184	3	4	52	10	2	2	8	45	2	3	11
Estral Beach	1	0	0	1	1	0	0	1	0	0	0	0
Exeter Twp.	39	1	1	11	2	1	1	0	13	0	0	3
Frenchtown Twp.	683	3	3	194	31	2	2	16	86	0	0	17
Ida Twp.	77	0	0	13	4	0	0	2	17	0	0	2
Lasalle Twp.	106	1	1	39	7	0	0	2	20	0	0	3
London Twp.	46	2	2	8	4	1	1	3	11	1	1	3
Luna Pier	9	0	0	2	0	0	0	0	1	0	0	1
Maybee	5	0	0	0	0	0	0	0	0	0	0	0
Milan	26	0	0	4	1	0	0	0	2	0	0	0
Milan Twp.	73	0	0	25	3	0	0	3	24	0	0	13
Monroe	731	3	3	173	25	2	2	7	25	0	0	4
Monroe Twp.	269	3	3	84	12	1	1	2	29	0	0	4
Petersburg	6	0	0	2	0	0	0	0	1	0	0	0
Raisinville Twp.	146	0	0	35	3	0	0	1	27	0	0	6
South Rockwood	38	2	2	7	3	1	1	3	5	0	0	2
Summerfield Twp.	115	2	2	14	8	1	1	4	29	1	1	4
Whiteford Twp.	190	1	3	52	7	0	0	3	38	1	1	8
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Monroe County TOTAL</b>	<b>3,743</b>	<b>24</b>	<b>27</b>	<b>1,000</b>	<b>181</b>	<b>11</b>	<b>11</b>	<b>88</b>	<b>518</b>	<b>5</b>	<b>6</b>	<b>111</b>

Restraint use among reported vehicle occupants by municipality

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Ash Twp.	263	242	92.0	0	0	0.0	3	3	100.0	13	13	100.0	38	37	97.4	195	189	96.9
Bedford Twp.	891	789	88.6	0	0	0.0	8	6	75.0	29	24	82.8	99	89	89.9	695	670	96.4
Berlin Twp.	238	212	89.1	2	2	100.0	9	7	77.8	11	7	63.6	37	35	94.6	167	161	96.4
Carleton	28	25	89.3	0	0	0.0	0	0	0.0	1	1	100.0	0	0	0.0	25	24	96.0
Dundee	171	144	84.2	0	0	0.0	0	0	0.0	3	2	66.7	13	11	84.6	144	131	91.0
Dundee Twp.	78	68	87.2	0	0	0.0	2	2	100.0	6	5	83.3	3	3	100.0	64	58	90.6
Erie Twp.	303	269	88.8	4	0	0.0	15	12	80.0	13	11	84.6	24	21	87.5	230	224	97.4
Estral Beach	1	1	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0
Exeter Twp.	49	49	100.0	1	1	100.0	0	0	0.0	4	4	100.0	7	7	100.0	37	37	100.0
Frenchtown Twp.	1,241	1,143	92.1	2	2	100.0	18	16	88.9	32	28	87.5	135	130	96.3	991	966	97.5
Ida Twp.	109	97	89.0	0	0	0.0	1	1	100.0	1	1	100.0	11	10	90.9	91	85	93.4
Lasalle Twp.	157	146	93.0	1	1	100.0	4	3	75.0	13	12	92.3	22	22	100.0	111	107	96.4
London Twp.	59	48	81.4	1	1	100.0	2	0	0.0	2	1	50.0	4	3	75.0	47	43	91.5
Luna Pier	13	12	92.3	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0	10	10	100.0
Maybee	9	6	66.7	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	6	6	100.0
Milan	43	38	88.4	0	0	0.0	0	0	0.0	3	3	100.0	0	0	0.0	35	35	100.0
Milan Twp.	104	90	86.5	0	0	0.0	0	0	0.0	6	5	83.3	19	13	68.4	75	72	96.0
Monroe	1,424	1,081	75.9	0	0	0.0	5	4	80.0	23	17	73.9	125	114	91.2	1,032	945	91.6
Monroe Twp.	468	409	87.4	2	1	50.0	4	3	75.0	17	16	94.1	58	53	91.4	356	335	94.1
Petersburg	10	8	80.0	0	0	0.0	1	1	100.0	0	0	0.0	0	0	0.0	7	7	100.0
Raisinville Twp.	207	188	90.8	0	0	0.0	6	4	66.7	11	10	90.9	16	14	87.5	168	160	95.2
South Rockwood	54	49	90.7	2	2	100.0	1	1	100.0	1	1	100.0	5	4	80.0	41	41	100.0
Summerfield Twp.	164	144	87.8	2	1	50.0	1	1	100.0	3	3	100.0	10	8	80.0	139	131	94.2
Whiteford Twp.	304	270	88.8	3	2	66.7	4	4	100.0	6	5	83.3	42	37	88.1	233	222	95.3
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Monroe County TOTAL</b>	<b>6,388</b>	<b>5,528</b>	<b>86.5</b>	<b>20</b>	<b>13</b>	<b>65.0</b>	<b>84</b>	<b>68</b>	<b>81.0</b>	<b>198</b>	<b>169</b>	<b>85.4</b>	<b>670</b>	<b>613</b>	<b>91.5</b>	<b>4,900</b>	<b>4,660</b>	<b>95.1</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	252	0	32	220	0	45
February	193	0	24	169	0	29
March	191	0	32	159	0	48
April	125	0	22	103	0	35
May	162	2	25	135	2	34
June	186	0	36	150	0	53
July	152	3	27	122	3	36
August	126	0	31	95	0	50
September	165	1	17	147	1	23
October	274	0	26	248	0	39
November	345	0	33	312	0	48
December	203	0	32	171	0	46
<b>TOTAL</b>	<b>2,374</b>	<b>6</b>	<b>337</b>	<b>2,031</b>	<b>6</b>	<b>486</b>

In Montcalm County in 2011 there were:  
**2,374** crashes

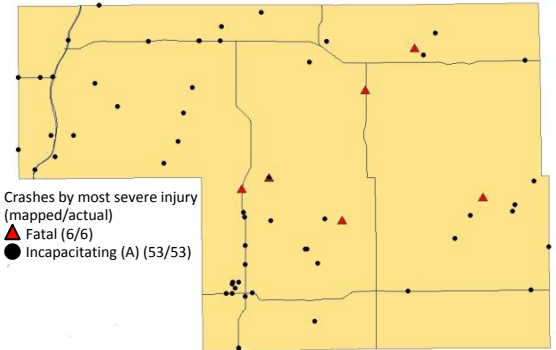
Involving:

**3,623** people

**3,607** motor vehicle drivers and passengers

**10** bicyclists

**6** pedestrians



## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	13,369	331	7	5.2	211.5
16 - 20	4,361	3,140	383	878.2	1219.7
21 - 64	36,670	32,718	2,185	595.9	667.8
65 +	8,942	8,428	244	272.9	289.5
Other/Unknown	--	--	98	--	--
<b>TOTAL</b>	<b>63,342</b>	<b>44,617</b>	<b>2,917</b>	<b>460.5</b>	<b>653.8</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	2,110	72.3	7	87.5	335	1,768
Van, motorhome	91	3.1	0	0.0	18	73
Pickup truck	547	18.8	0	0.0	74	473
Small truck under 10,000 lbs. GVWR	32	1.1	0	0.0	8	24
Cycle	30	1.0	1	12.5	21	8
Moped	5	0.2	0	0.0	5	0
Go Cart	1	0.0	0	0.0	1	0
Snowmobile	1	0.0	0	0.0	1	0
Off-Road Vehicle (ORV) / All-Terrain Vehicle (ATV)	1	0.0	0	0.0	1	0
Other	13	0.4	0	0.0	4	9
Truck/bus over 10,000 lbs.	64	2.2	0	0.0	12	52
Unknown	22	0.8	0	0.0	2	20
<b>TOTAL</b>	<b>2,917</b>	<b>100.0</b>	<b>8</b>	<b>100.0</b>	<b>482</b>	<b>2,427</b>

## Montcalm County Experience

Montcalm County experienced the highest number of fatal crashes (3) and the highest number of persons killed (3) in July.

Montcalm County driver statistics indicate 7.0 percent of licensed drivers were age 16-20, and 13.1 percent of drivers in that age group were involved in crashes.

In Montcalm County, motorcycles accounted for 1.0 percent of the total vehicles in crashes, but were involved in 12.5 percent of the total fatal crashes.



Crash Type								
	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	1,864	78.5	4	66.7	28	86	90	1,656
Head On	16	0.7	1	16.7	4	2	4	5
Head On - Left Turn	36	1.5	0	0.0	2	9	3	22
Angle	156	6.6	0	0.0	11	15	24	106
Rear End	126	5.3	0	0.0	3	6	19	98
Rear End - Left Turn	35	1.5	0	0.0	2	3	8	22
Rear End - Right Turn	16	0.7	0	0.0	0	0	3	13
Sideswipe - Same Direction	54	2.3	0	0.0	1	1	0	52
Sideswipe - Opposite Direct	26	1.1	0	0.0	2	1	2	21
Other/Unknown	45	1.9	1	16.7	0	5	3	36
<b>Total</b>	<b>2,374</b>	<b>100.0</b>	<b>6</b>	<b>100.0</b>	<b>53</b>	<b>128</b>	<b>156</b>	<b>2,031</b>

Relationship to Roadway								
Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	1,914	80.6	2	33.3	28	67	93	1,724
Median	3	0.1	0	0.0	0	0	0	3
Shoulder	69	2.9	0	0.0	3	6	12	48
Outside of Shoulder/Curb	364	15.3	4	66.7	20	50	50	240
Gore	4	0.2	0	0.0	0	1	0	3
Other/Unknown	20	0.8	0	0.0	2	4	1	13
<b>Total</b>	<b>2,374</b>	<b>100.0</b>	<b>6</b>	<b>100.0</b>	<b>53</b>	<b>128</b>	<b>156</b>	<b>2,031</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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	6	5	8	1	0	2	1	4
21 - 64	67	50	44	59	5	1	14	7	32
65 +	3	1	0	3	0	0	0	0	3
Other/Unknown	4	0	0	4	0	0	0	0	4
<b>TOTAL</b>	<b>83</b>	<b>57</b>	<b>49</b>	<b>74</b>	<b>6</b>	<b>1</b>	<b>16</b>	<b>8</b>	<b>43</b>

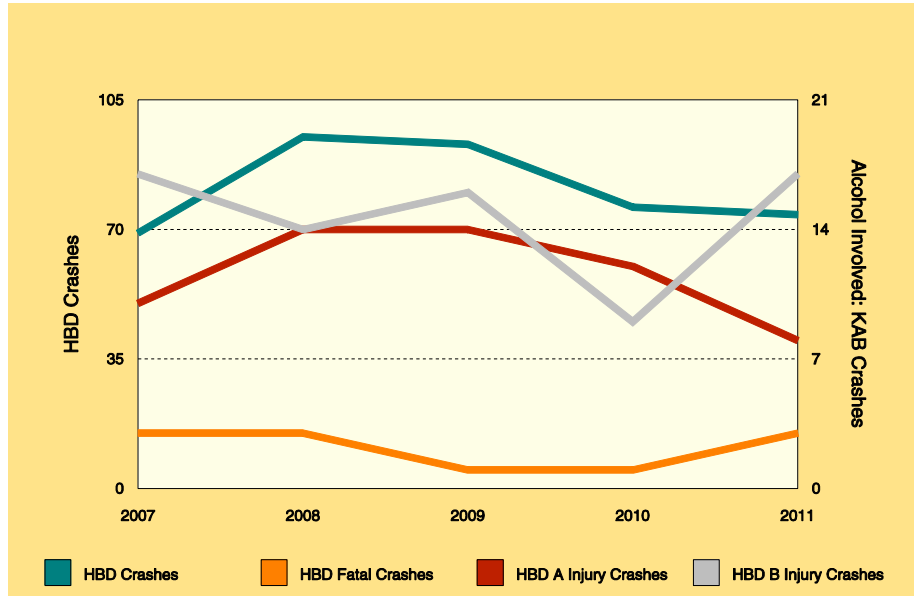
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

MONTCALM	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	2,794	69	2.5	15	3	20.0	58	10	17.2	135	17	12.6
2008	2,831	95	3.4	6	3	50.0	71	14	19.7	118	14	11.9
2009	2,726	93	3.4	3	1	33.3	46	14	30.4	112	16	14.3
2010	2,425	76	3.1	9	1	11.1	62	12	19.4	94	9	9.6
2011	2,374*	74*	3.1	6	3	50.0	53	8*	15.1	128	17	13.3

\* Lowest number reported in the 5-year period.

## Restraint use among reported vehicle occupants by vehicle type

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	2,226	2,090	93.9	5	3	60.0	45	32	71.1	124	114	91.9	183	162	88.5	1,838	1,777	96.7
Van, motorhome	96	91	94.8	0	0	0.0	1	1	100.0	2	2	100.0	8	8	100.0	82	80	97.6
Pickup truck	570	522	91.6	0	0	0.0	9	8	88.9	31	27	87.1	26	22	84.6	488	465	95.3
Small truck under 10,000 lbs. GVWR	32	30	93.8	0	0	0.0	1	1	100.0	3	3	100.0	2	2	100.0	24	24	100.0
Cycle	32	32	100.0	1	1	100.0	4	4	100.0	13	13	100.0	6	6	100.0	8	8	100.0
Moped	5	1	20.0	0	0	0.0	2	0	0.0	1	1	100.0	2	0	0.0	0	0	0.0
Go Cart	2	0	0.0	0	0	0.0	0	0	0.0	2	0	0.0	0	0	0.0	0	0	0.0
Snowmobile	2	1	50.0	0	0	0.0	1	1	100.0	0	0	0.0	1	0	0.0	0	0	0.0
Off-Road Vehicle (ORV) /All-Terrain Vehicle (ATV)	1	1	100.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	0	0	0.0
Other	15	9	60.0	0	0	0.0	1	1	100.0	2	2	100.0	0	0	0.0	10	6	60.0
Truck/bus over 10,000 lbs.	65	56	86.2	0	0	0.0	0	0	0.0	1	0	0.0	2	2	100.0	58	54	93.1
Uncoded & errors	22	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	3	0	0.0
<b>TOTAL</b>	<b>3,068</b>	<b>2,833</b>	<b>92.3</b>	<b>6</b>	<b>4</b>	<b>66.7</b>	<b>64</b>	<b>48</b>	<b>75.0</b>	<b>179</b>	<b>162</b>	<b>90.5</b>	<b>231</b>	<b>203</b>	<b>87.9</b>	<b>2,511</b>	<b>2,414</b>	<b>96.1</b>

## Restraint use among reported vehicle occupants by age

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	37	33	89.2	0	0	0.0	6	5	83.3	13	10	76.9	13	13	100.0	5	5	100.0
16 - 20	429	405	94.4	0	0	0.0	16	8	50.0	49	43	87.8	47	41	87.2	316	312	98.7
21 - 64	2,245	2,149	95.7	4	2	50.0	34	27	79.4	98	92	93.9	155	136	87.7	1,953	1,891	96.8
65 +	258	246	95.3	2	2	100.0	8	8	100.0	18	17	94.4	15	13	86.7	215	206	95.8
Other/Unknown	99	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0	1	0	0.0	22	0	0.0
<b>TOTAL</b>	<b>3,068</b>	<b>2,833</b>	<b>92.3</b>	<b>6</b>	<b>4</b>	<b>66.7</b>	<b>64</b>	<b>48</b>	<b>75.0</b>	<b>179</b>	<b>162</b>	<b>90.5</b>	<b>231</b>	<b>203</b>	<b>87.9</b>	<b>2,511</b>	<b>2,414</b>	<b>96.1</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Belvidere Twp.	1	0	0	1	0	0	0	0	1
Bloomer Twp.	1	1	1	1	0	0	1	0	0
Bushnell Twp.	2	1	1	2	0	0	0	0	2
Carson City	0	0	0	0	0	0	0	0	0
Cato Twp.	6	6	4	6	2	0	1	0	3
Crystal Twp.	3	4	3	3	0	0	1	0	2
Day Twp.	1	0	0	1	0	0	0	0	1
Douglass Twp.	3	2	2	3	0	0	1	0	2
Edmore	2	1	1	1	0	0	0	1	0
Eureka Twp.	2	1	1	2	0	0	0	0	2
Evergreen Twp.	1	1	1	1	0	0	1	0	0
Fairplain Twp.	4	2	2	3	0	0	1	1	1
Ferris Twp.	1	0	0	1	0	0	0	0	1
Greenville	11	7	7	9	1	0	1	2	5
Home Twp.	1	3	0	1	0	0	0	0	1
Howard City	2	2	2	2	0	0	0	1	1
Lakeview	0	0	0	0	0	0	0	0	0
Maple Valley Twp.	3	1	1	3	0	0	0	0	3
McBride	0	0	0	0	0	0	0	0	0
Montcalm Twp.	8	5	5	7	1	0	4	0	2
Pierson	0	0	0	0	0	0	0	0	0
Pierson Twp.	13	9	9	11	1	0	1	1	8
Pine Twp.	4	2	2	4	0	0	1	1	2
Reynolds Twp.	5	2	2	3	1	0	0	0	2
Richland Twp.	1	1	1	1	0	0	0	1	0
Sheridan	0	0	0	0	0	0	0	0	0
Sidney Twp.	6	5	4	6	0	1	3	0	2
Stanton	0	1	0	0	0	0	0	0	0
Winfield Twp.	2	0	0	2	0	0	0	0	2
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Montcalm County TOTAL</b>	<b>83</b>	<b>57</b>	<b>49</b>	<b>74</b>	<b>6</b>	<b>1</b>	<b>16</b>	<b>8</b>	<b>43</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Belvidere Twp.	112	0	0	15	1	0	0	0	14	0	0	2
Bloomer Twp.	71	0	0	12	1	0	0	1	8	0	0	2
Bushnell Twp.	70	0	0	11	2	0	0	2	10	0	0	3
Carson City	13	0	0	4	0	0	0	0	0	0	0	0
Cato Twp.	117	0	0	18	6	0	0	3	15	0	0	4
Crystal Twp.	97	1	1	18	3	1	1	2	10	1	1	6
Day Twp.	52	0	0	6	1	0	0	0	4	0	0	1
Douglass Twp.	91	0	0	16	3	0	0	3	10	0	0	7
Edmore	11	0	0	0	1	0	0	0	0	0	0	0
Eureka Twp.	121	0	0	30	2	0	0	1	14	0	0	4
Evergreen Twp.	126	0	0	13	1	0	0	0	10	0	0	3
Fairplain Twp.	111	0	0	22	3	0	0	0	20	0	0	9
Ferris Twp.	125	0	0	18	1	0	0	0	13	0	0	7
Greenville	199	0	0	73	9	0	0	3	17	0	0	3
Home Twp.	91	2	2	16	1	0	0	1	9	1	1	2
Howard City	19	0	0	2	2	0	0	1	2	0	0	1
Lakeview	19	0	0	3	0	0	0	0	2	0	0	0
Maple Valley Twp.	59	0	0	12	3	0	0	1	7	0	0	4
McBride	3	0	0	0	0	0	0	0	0	0	0	0
Montcalm Twp.	131	1	1	32	7	1	1	5	15	0	0	3
Pierson	4	0	0	0	0	0	0	0	1	0	0	0
Pierson Twp.	125	0	0	38	11	0	0	7	33	0	0	12
Pine Twp.	83	1	1	17	4	1	1	3	16	1	1	12
Reynolds Twp.	137	0	0	39	3	0	0	5	46	0	0	6
Richland Twp.	134	0	0	22	1	0	0	0	14	0	0	5
Sheridan	10	0	0	1	0	0	0	0	0	0	0	0
Sidney Twp.	155	1	1	29	6	0	0	6	23	0	0	11
Stanton	27	0	0	7	0	0	0	0	0	0	0	0
Winfield Twp.	61	0	0	12	2	0	0	1	5	0	0	2
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Montcalm County TOTAL</b>	<b>2,374</b>	<b>6</b>	<b>6</b>	<b>486</b>	<b>74</b>	<b>3</b>	<b>3</b>	<b>45</b>	<b>318</b>	<b>3</b>	<b>3</b>	<b>109</b>

Restraint use among reported vehicle occupants by municipality

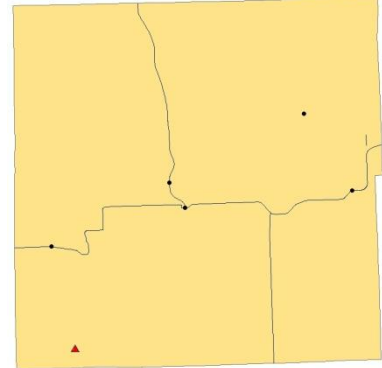
Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Belvidere Twp.	138	136	98.6	0	0	0.0	1	1	100.0	6	6	100.0	7	7	100.0	124	122	98.4
Bloomer Twp.	93	82	88.2	0	0	0.0	2	1	50.0	6	6	100.0	4	2	50.0	79	73	92.4
Bushnell Twp.	76	71	93.4	0	0	0.0	1	1	100.0	5	5	100.0	5	4	80.0	63	61	96.8
Carson City	25	21	84.0	0	0	0.0	0	0	0.0	2	2	100.0	2	2	100.0	17	17	100.0
Cato Twp.	145	137	94.5	0	0	0.0	4	3	75.0	4	3	75.0	10	10	100.0	124	121	97.6
Crystal Twp.	117	105	89.7	1	1	100.0	6	4	66.7	5	5	100.0	7	7	100.0	93	88	94.6
Day Twp.	55	55	100.0	0	0	0.0	0	0	0.0	4	4	100.0	2	2	100.0	49	49	100.0
Douglass Twp.	104	95	91.3	0	0	0.0	0	0	0.0	11	8	72.7	5	5	100.0	86	82	95.3
Edmore	18	17	94.4	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	18	17	94.4
Eureka Twp.	170	160	94.1	0	0	0.0	2	2	100.0	11	10	90.9	17	15	88.2	136	133	97.8
Evergreen Twp.	135	131	97.0	0	0	0.0	1	1	100.0	8	8	100.0	4	4	100.0	122	118	96.7
Fairplain Twp.	133	121	91.0	0	0	0.0	1	1	100.0	15	13	86.7	6	4	66.7	108	103	95.4
Ferris Twp.	141	133	94.3	0	0	0.0	0	0	0.0	10	8	80.0	8	8	100.0	122	117	95.9
Greenville	374	328	87.7	0	0	0.0	8	6	75.0	23	21	91.3	33	29	87.9	291	272	93.5
Home Twp.	105	99	94.3	2	1	50.0	6	3	50.0	5	4	80.0	5	5	100.0	87	86	98.9
Howard City	26	20	76.9	0	0	0.0	1	1	100.0	0	0	0.0	1	1	100.0	22	18	81.8
Lakeview	25	24	96.0	0	0	0.0	1	1	100.0	0	0	0.0	2	2	100.0	22	21	95.5
Maple Valley Twp.	69	64	92.8	0	0	0.0	6	4	66.7	1	1	100.0	5	4	80.0	56	55	98.2
McBride	4	4	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	4	4	100.0
Montcalm Twp.	173	164	94.8	1	1	100.0	6	5	83.3	14	14	100.0	12	12	100.0	138	132	95.7
Pierson	6	6	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	6	6	100.0
Pierson Twp.	155	137	88.4	0	0	0.0	4	3	75.0	10	8	80.0	24	17	70.8	113	109	96.5
Pine Twp.	94	89	94.7	1	0	0.0	1	0	0.0	6	6	100.0	9	9	100.0	75	73	97.3
Reynolds Twp.	193	179	92.7	0	0	0.0	3	3	100.0	15	14	93.3	20	19	95.0	146	142	97.3
Richland Twp.	165	153	92.7	0	0	0.0	3	1	33.3	6	4	66.7	13	11	84.6	141	137	97.2
Sheridan	14	11	78.6	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	12	10	83.3
Sidney Twp.	195	181	92.8	1	1	100.0	5	5	100.0	9	9	100.0	15	12	80.0	162	154	95.1
Stanton	48	44	91.7	0	0	0.0	0	0	0.0	2	2	100.0	5	5	100.0	37	37	100.0
Winfield Twp.	72	66	91.7	0	0	0.0	2	2	100.0	1	1	100.0	9	6	66.7	58	57	98.3
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Montcalm County TOTAL</b>	<b>3,068</b>	<b>2,833</b>	<b>92.3</b>	<b>6</b>	<b>4</b>	<b>66.7</b>	<b>64</b>	<b>48</b>	<b>75.0</b>	<b>179</b>	<b>162</b>	<b>90.5</b>	<b>231</b>	<b>203</b>	<b>87.9</b>	<b>2,511</b>	<b>2,414</b>	<b>96.1</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	30	1	3	26	1	5
February	24	0	4	20	0	8
March	23	0	5	18	0	5
April	15	0	0	15	0	0
May	22	0	2	20	0	4
June	27	0	3	24	0	5
July	22	0	1	21	0	2
August	13	0	1	12	0	1
September	16	0	2	14	0	3
October	33	0	1	32	0	1
November	42	0	2	40	0	2
December	36	0	4	32	0	7
<b>TOTAL</b>	<b>303</b>	<b>1</b>	<b>28</b>	<b>274</b>	<b>1</b>	<b>43</b>

**In Montmorency County in 2011 there were:**  
**303** crashes  
**Involving:**  
**456** people  
**456** motor vehicle drivers and passengers



Crashes by most severe injury (mapped/actual)  
 ▲ Fatal (1/1)  
 ● Incapacitating (A) (6/6)

## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	1,440	55	1	6.9	181.8
16 - 20	439	355	36	820.0	1014.1
21 - 64	5,249	4,841	268	510.6	553.6
65 +	2,637	2,502	43	163.1	171.9
Other/Unknown	--	--	2	--	--
<b>TOTAL</b>	<b>9,765</b>	<b>7,753</b>	<b>350</b>	<b>358.4</b>	<b>451.4</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	222	63.4	0	0.0	25	197
Van, motorhome	9	2.6	0	0.0	1	8
Pickup truck	96	27.4	1	100.0	9	86
Small truck under 10,000 lbs. GVWR	4	1.1	0	0.0	0	4
Cycle	5	1.4	0	0.0	2	3
Moped	0	0.0	0	0.0	0	0
Go Cart	0	0.0	0	0.0	0	0
Snowmobile	2	0.6	0	0.0	2	0
Off-Road Vehicle (ORV) / All-Terrain Vehicle (ATV)	3	0.9	0	0.0	2	1
Other	1	0.3	0	0.0	0	1
Truck/bus over 10,000 lbs.	8	2.3	0	0.0	1	7
Unknown	0	0.0	0	0.0	0	0
<b>TOTAL</b>	<b>350</b>	<b>100.0</b>	<b>1</b>	<b>100.0</b>	<b>42</b>	<b>307</b>

## Montmorency County Experience

Montmorency County experienced the highest number of fatal crashes (1) and the highest number of persons killed (1) in January.

Montmorency County driver statistics indicate 4.6 percent of licensed drivers were age 16-20, and 10.3 percent of drivers in that age group were involved in crashes.



Crash Type								
	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	257	84.8	1	100.0	1	7	7	241
Head On	2	0.7	0	0.0	2	0	0	0
Head On - Left Turn	4	1.3	0	0.0	2	0	0	2
Angle	16	5.3	0	0.0	0	2	2	12
Rear End	7	2.3	0	0.0	0	0	2	5
Rear End - Left Turn	1	0.3	0	0.0	0	0	0	1
Rear End - Right Turn	3	1.0	0	0.0	1	0	0	2
Sideswipe - Same Direction	4	1.3	0	0.0	0	0	0	4
Sideswipe - Opposite Direct	7	2.3	0	0.0	0	1	1	5
Other/Unknown	2	0.7	0	0.0	0	0	0	2
<b>Total</b>	<b>303</b>	<b>100.0</b>	<b>1</b>	<b>100.0</b>	<b>6</b>	<b>10</b>	<b>12</b>	<b>274</b>

Relationship to Roadway								
Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	243	80.2	0	0.0	6	5	5	227
Median	0	0.0	0	0.0	0	0	0	0
Shoulder	15	5.0	0	0.0	0	1	1	13
Outside of Shoulder/Curb	41	13.5	1	100.0	0	3	5	32
Gore	0	0.0	0	0.0	0	0	0	0
Other/Unknown	4	1.3	0	0.0	0	1	1	2
<b>Total</b>	<b>303</b>	<b>100.0</b>	<b>1</b>	<b>100.0</b>	<b>6</b>	<b>10</b>	<b>12</b>	<b>274</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	Total drivers coded drinking	BAC Result Range for 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	0	0	0	0	0	0	0	0	0
21 - 64	7	8	6	7	0	0	0	1	6
65 +	0	0	0	0	0	0	0	0	0
Other/Unknown	1	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>8</b>	<b>8</b>	<b>6</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>6</b>

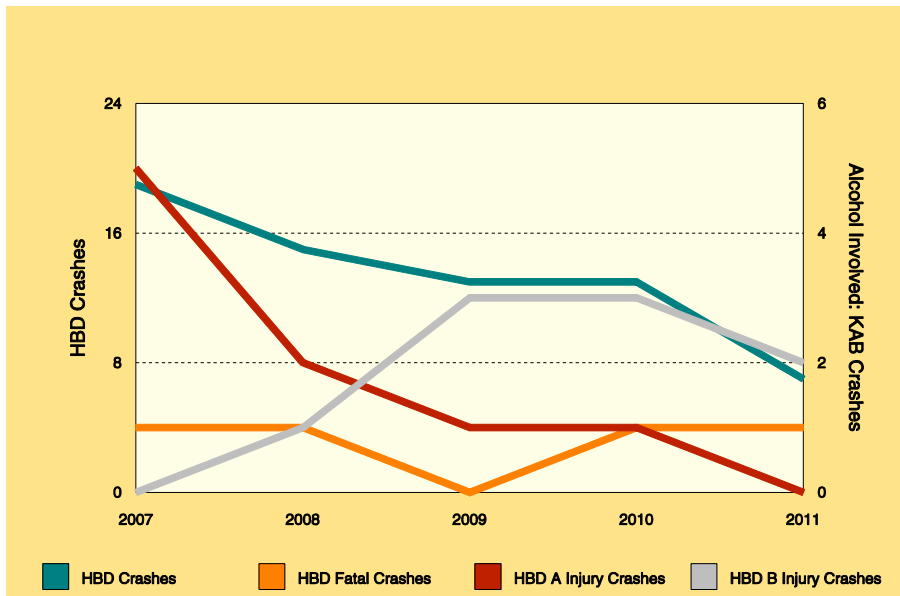
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

MONTMORENCY	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	369	19	5.2	3	1	33.3	11	5	45.5	10	0	0.0
2008	344	15	4.4	3	1	33.3	8	2	25.0	7	1	14.3
2009	343	13	3.8	0	0	0.0	10	1	10.0	19	3	15.8
2010	265	13	4.9	1	1	100.0	5	1	20.0	10	3	30.0
2011	303	7*	2.3	1	1	100.0	6	0*	0.0	10	2	20.0

\* Lowest number reported in the 5-year period.

## Restraint use among reported vehicle occupants by vehicle type

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	230	220	95.7	0	0	0.0	4	3	75.0	9	7	77.8	11	10	90.9	205	200	97.6
Van, motorhome	9	9	100.0	0	0	0.0	0	0	0.0	1	1	100.0	0	0	0.0	8	8	100.0
Pickup truck	101	99	98.0	1	1	100.0	3	2	66.7	2	2	100.0	4	3	75.0	91	91	100.0
Small truck under 10,000 lbs. GVWR	4	4	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	4	4	100.0
Cycle	6	5	83.3	0	0	0.0	1	1	100.0	2	2	100.0	0	0	0.0	3	2	66.7
Moped	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	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	4	4	100.0	0	0	0.0	0	0	0.0	1	1	100.0	2	2	100.0	1	1	100.0
Off-Road Vehicle (ORV) /All-Terrain Vehicle (ATV)	4	3	75.0	0	0	0.0	0	0	0.0	0	0	0.0	3	3	100.0	0	0	0.0
Other	1	1	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0
Truck/bus over 10,000 lbs.	8	8	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	8	8	100.0
Uncoded & errors	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>TOTAL</b>	<b>367</b>	<b>353</b>	<b>96.2</b>	<b>1</b>	<b>1</b>	<b>100.0</b>	<b>8</b>	<b>6</b>	<b>75.0</b>	<b>15</b>	<b>13</b>	<b>86.7</b>	<b>20</b>	<b>18</b>	<b>90.0</b>	<b>321</b>	<b>315</b>	<b>98.1</b>

## Restraint use among reported vehicle occupants by age

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	5	5	100.0	0	0	0.0	0	0	0.0	3	3	100.0	2	2	100.0	0	0	0.0
16 - 20	39	37	94.9	0	0	0.0	1	1	100.0	2	2	100.0	6	5	83.3	30	29	96.7
21 - 64	275	267	97.1	1	1	100.0	4	3	75.0	8	7	87.5	11	10	90.9	251	246	98.0
65 +	46	44	95.7	0	0	0.0	3	2	66.7	2	1	50.0	1	1	100.0	40	40	100.0
Other/Unknown	2	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>TOTAL</b>	<b>367</b>	<b>353</b>	<b>96.2</b>	<b>1</b>	<b>1</b>	<b>100.0</b>	<b>8</b>	<b>6</b>	<b>75.0</b>	<b>15</b>	<b>13</b>	<b>86.7</b>	<b>20</b>	<b>18</b>	<b>90.0</b>	<b>321</b>	<b>315</b>	<b>98.1</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Albert Twp.	2	1	1	2	0	0	0	1	1
Avery Twp.	1	1	1	1	0	0	0	0	1
Briley Twp.	3	2	2	2	0	0	0	0	2
Hillman	0	0	0	0	0	0	0	0	0
Hillman Twp.	1	1	1	1	0	0	0	0	1
Loud Twp.	0	0	0	0	0	0	0	0	0
Montmorency Twp.	0	0	0	0	0	0	0	0	0
Rust Twp.	0	0	0	0	0	0	0	0	0
Vienna Twp.	1	3	1	1	0	0	0	0	1
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Montmorency County TOTAL</b>	<b>8</b>	<b>8</b>	<b>6</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>6</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Albert Twp.	43	1	1	7	2	1	1	1	8	1	1	4
Avery Twp.	26	0	0	0	1	0	0	0	2	0	0	0
Briley Twp.	51	0	0	6	2	0	0	1	6	0	0	1
Hillman	16	0	0	2	0	0	0	0	1	0	0	2
Hillman Twp.	36	0	0	7	1	0	0	0	3	0	0	0
Loud Twp.	28	0	0	2	0	0	0	0	2	0	0	2
Montmorency Twp.	32	0	0	2	0	0	0	0	4	0	0	0
Rust Twp.	26	0	0	5	0	0	0	0	2	0	0	2
Vienna Twp.	45	0	0	12	1	0	0	1	16	0	0	3
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Montmorency County TOTAL</b>	<b>303</b>	<b>1</b>	<b>1</b>	<b>43</b>	<b>7</b>	<b>1</b>	<b>1</b>	<b>3</b>	<b>44</b>	<b>1</b>	<b>1</b>	<b>14</b>

Restraint use among reported vehicle occupants by municipality

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Albert Twp.	62	59	95.2	1	1	100.0	0	0	0.0	2	2	100.0	5	5	100.0	54	51	94.4
Avery Twp.	28	28	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	28	28	100.0
Briley Twp.	60	55	91.7	0	0	0.0	3	1	33.3	1	0	0.0	2	2	100.0	53	52	98.1
Hillman	23	23	100.0	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0	21	21	100.0
Hillman Twp.	43	42	97.7	0	0	0.0	1	1	100.0	1	1	100.0	5	5	100.0	35	35	100.0
Loud Twp.	29	29	100.0	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0	27	27	100.0
Montmorency Twp.	34	33	97.1	0	0	0.0	0	0	0.0	1	1	100.0	1	0	0.0	32	32	100.0
Rust Twp.	32	30	93.8	0	0	0.0	1	1	100.0	3	2	66.7	1	0	0.0	27	27	100.0
Vienna Twp.	56	54	96.4	0	0	0.0	3	3	100.0	7	7	100.0	2	2	100.0	44	42	95.5
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Montmorency County TOTAL</b>	<b>367</b>	<b>353</b>	<b>96.2</b>	<b>1</b>	<b>1</b>	<b>100.0</b>	<b>8</b>	<b>6</b>	<b>75.0</b>	<b>15</b>	<b>13</b>	<b>86.7</b>	<b>20</b>	<b>18</b>	<b>90.0</b>	<b>321</b>	<b>315</b>	<b>98.1</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	617	2	87	528	2	114
February	462	2	66	394	2	92
March	313	4	54	255	4	78
April	244	1	58	185	1	72
May	318	1	59	258	1	79
June	352	1	77	274	1	123
July	363	2	101	260	2	138
August	305	1	76	228	2	114
September	289	1	70	218	1	92
October	381	4	64	313	4	86
November	383	1	61	321	1	78
December	346	2	55	289	2	72
<b>TOTAL</b>	<b>4,373</b>	<b>22</b>	<b>828</b>	<b>3,523</b>	<b>23</b>	<b>1,138</b>

In Muskegon County in 2011 there were:  
**4,373** crashes

**Involving:**

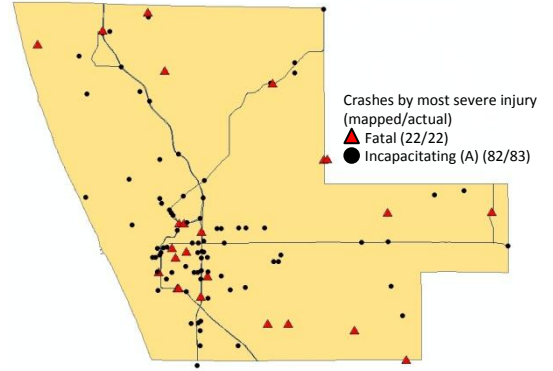
**8,979** people

**8,887** motor vehicle drivers and passengers

**40** bicyclists

**51** pedestrians

**1** train engineer



## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	37,523	717	21	5.6	292.9
16 - 20	12,505	8,341	1,031	824.5	1236.1
21 - 64	98,808	89,169	5,098	516.0	571.7
65 +	23,352	21,140	678	290.3	320.7
Other/Unknown	--	--	519	--	--
<b>TOTAL</b>	<b>172,188</b>	<b>119,367</b>	<b>7,347</b>	<b>426.7</b>	<b>615.5</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	5,803	79.0	25	75.8	1,136	4,642
Van, motorhome	203	2.8	0	0.0	37	166
Pickup truck	742	10.1	2	6.1	135	605
Small truck under 10,000 lbs. GVWR	147	2.0	1	3.0	27	119
Cycle	83	1.1	2	6.1	59	22
Moped	17	0.2	0	0.0	17	0
Go Cart	2	0.0	0	0.0	2	0
Snowmobile	4	0.1	1	3.0	1	2
Off-Road Vehicle (ORV) / All-Terrain Vehicle (ATV)	1	0.0	0	0.0	1	0
Other	125	1.7	0	0.0	20	105
Truck/bus over 10,000 lbs.	123	1.7	2	6.1	19	102
Unknown	97	1.3	0	0.0	10	87
<b>TOTAL</b>	<b>7,347</b>	<b>100.0</b>	<b>33</b>	<b>100.0</b>	<b>1,464</b>	<b>5,850</b>

## Muskegon County Experience

Muskegon County experienced the highest number of fatal crashes (4) and the highest number of persons killed (4) in March and October.

Muskegon County driver statistics indicate 7.0 percent of licensed drivers were age 16-20, and 14.0 percent of drivers in that age group were involved in crashes.

In Muskegon County, motorcycles and snowmobiles accounted for only 1.2 percent of the total vehicles in crashes, but were involved in 9.1 percent of the total fatal crashes.



Crash Type								
	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	1,603	36.7	11	50.0	30	118	134	1,310
Head On	46	1.1	4	18.2	3	6	7	26
Head On - Left Turn	88	2.0	1	4.5	3	13	19	52
Angle	928	21.2	3	13.6	24	79	119	703
Rear End	961	22.0	1	4.5	9	48	122	781
Rear End - Left Turn	64	1.5	0	0.0	3	4	7	50
Rear End - Right Turn	44	1.0	0	0.0	0	1	4	39
Sideswipe - Same Direction	350	8.0	0	0.0	3	10	25	312
Sideswipe - Opposite Direct	88	2.0	0	0.0	4	3	2	79
Other/Unknown	201	4.6	2	9.1	4	8	16	171
<b>Total</b>	<b>4,373</b>	<b>100.0</b>	<b>22</b>	<b>100.0</b>	<b>83</b>	<b>290</b>	<b>455</b>	<b>3,523</b>

Relationship to Roadway								
Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	3,666	83.8	14	63.6	65	228	378	2,981
Median	34	0.8	0	0.0	1	0	6	27
Shoulder	237	5.4	1	4.5	6	19	19	192
Outside of Shoulder/Curb	367	8.4	7	31.8	11	35	45	269
Gore	23	0.5	0	0.0	0	1	3	19
Other/Unknown	46	1.1	0	0.0	0	7	4	35
<b>Total</b>	<b>4,373</b>	<b>100.0</b>	<b>22</b>	<b>100.0</b>	<b>83</b>	<b>290</b>	<b>455</b>	<b>3,523</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	Total drivers coded drinking	BAC Result Range for 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	22	20	14	14	0	2	6	2	4
21 - 64	166	153	110	123	1	16	28	37	41
65 +	6	8	5	6	0	1	1	1	3
Other/Unknown	15	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>209</b>	<b>181</b>	<b>129</b>	<b>143</b>	<b>1</b>	<b>19</b>	<b>35</b>	<b>40</b>	<b>48</b>

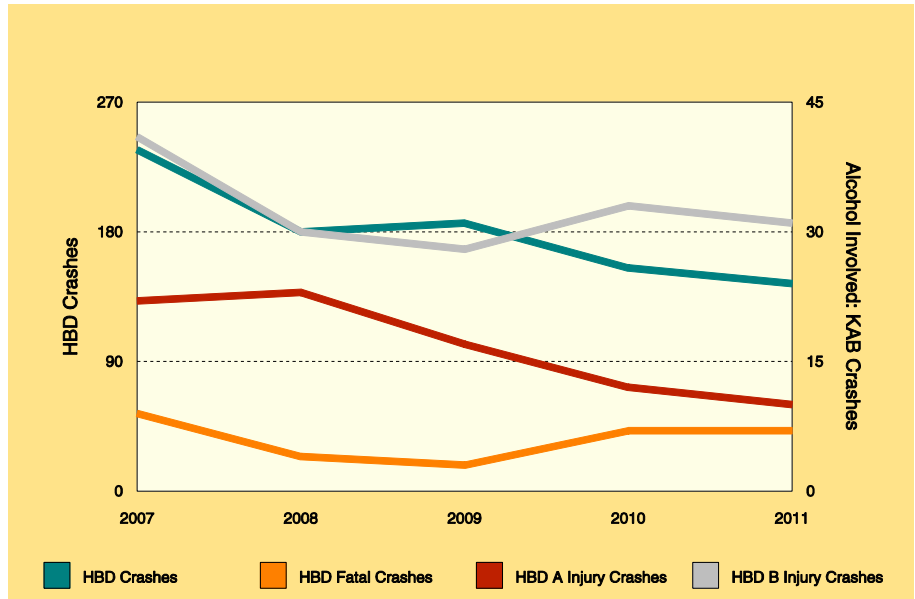
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

MUSKEGON	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	5,116	237	4.6	23	9	39.1	118	22	18.6	329	41	12.5
2008	5,192	180	3.5	16	4	25.0	111	23	20.7	277	30	10.8
2009	4,481	186	4.2	14	3	21.4	102	17	16.7	308	28	9.1
2010	4,309	155	3.6	15	7	46.7	75	12	16.0	282	33	11.7
2011	4,373	144*	3.3	22	7	31.8	83	10*	12.0	290	31	10.7

\* Lowest number reported in the 5-year period.

## Restraint use among reported vehicle occupants by vehicle type

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	6,089	5,516	90.6	14	8	57.1	67	55	82.1	268	226	84.3	530	500	94.3	4,944	4,723	95.5
Van, motorhome	213	197	92.5	0	0	0.0	4	4	100.0	5	5	100.0	18	17	94.4	179	171	95.5
Pickup truck	761	687	90.3	0	0	0.0	9	6	66.7	17	14	82.4	39	34	87.2	662	633	95.6
Small truck under 10,000 lbs. GVWR	149	133	89.3	0	0	0.0	1	1	100.0	5	4	80.0	11	10	90.9	129	118	91.5
Cycle	92	89	96.7	2	2	100.0	12	12	100.0	33	33	100.0	21	20	95.2	23	22	95.7
Moped	18	8	44.4	0	0	0.0	3	0	0.0	10	7	70.0	4	1	25.0	1	0	0.0
Go Cart	3	1	33.3	0	0	0.0	0	0	0.0	3	1	33.3	0	0	0.0	0	0	0.0
Snowmobile	4	3	75.0	1	1	100.0	0	0	0.0	0	0	0.0	1	1	100.0	2	1	50.0
Off-Road Vehicle (ORV) /All-Terrain Vehicle (ATV)	2	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0	1	0	0.0
Other	129	110	85.3	0	0	0.0	2	1	50.0	4	2	50.0	3	3	100.0	115	104	90.4
Truck/bus over 10,000 lbs.	126	109	86.5	0	0	0.0	2	0	0.0	1	0	0.0	2	2	100.0	114	106	93.0
Uncoded & errors	97	6	6.2	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0	14	2	14.3
<b>TOTAL</b>	<b>7,683</b>	<b>6,859</b>	<b>89.3</b>	<b>17</b>	<b>11</b>	<b>64.7</b>	<b>100</b>	<b>79</b>	<b>79.0</b>	<b>346</b>	<b>292</b>	<b>84.4</b>	<b>631</b>	<b>588</b>	<b>93.2</b>	<b>6,184</b>	<b>5,880</b>	<b>95.1</b>

## Restraint use among reported vehicle occupants by age

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	108	88	81.5	2	1	50.0	11	6	54.5	28	21	75.0	52	47	90.4	15	13	86.7
16 - 20	1,097	1,036	94.4	2	2	100.0	10	6	60.0	62	48	77.4	97	87	89.7	925	893	96.5
21 - 64	5,246	5,003	95.4	11	7	63.6	67	57	85.1	224	192	85.7	409	387	94.6	4,535	4,360	96.1
65 +	712	687	96.5	2	1	50.0	12	10	83.3	31	30	96.8	70	66	94.3	597	580	97.2
Other/Unknown	520	45	8.7	0	0	0.0	0	0	0.0	1	1	100.0	3	1	33.3	112	34	30.4
<b>TOTAL</b>	<b>7,683</b>	<b>6,859</b>	<b>89.3</b>	<b>17</b>	<b>11</b>	<b>64.7</b>	<b>100</b>	<b>79</b>	<b>79.0</b>	<b>346</b>	<b>292</b>	<b>84.4</b>	<b>631</b>	<b>588</b>	<b>93.2</b>	<b>6,184</b>	<b>5,880</b>	<b>95.1</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers  
in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol- involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Blue Lake Twp.	4	3	3	3	0	2	1	0	0
Casnovia	3	1	1	2	0	1	0	0	1
Casnovia Twp.	6	6	4	5	0	0	1	0	4
Cedar Creek Twp.	4	4	3	3	0	1	1	1	0
Dalton Twp.	12	12	10	11	0	1	2	3	5
Eggleston Twp.	17	11	10	10	0	2	3	4	1
Fruitland Twp.	5	6	5	5	0	1	1	0	3
Fruitport	2	1	1	1	0	0	0	0	1
Fruitport Twp.	11	16	8	8	1	0	2	2	3
Holton Twp.	3	5	3	3	0	0	2	0	1
Laketon Twp.	7	8	5	6	0	1	2	0	3
Lakewood Club	0	1	0	0	0	0	0	0	0
Montague	4	2	2	2	0	1	1	0	0
Montague Twp.	6	8	3	4	0	0	1	1	2
Moorland Twp.	3	2	2	2	0	0	0	1	1
Muskegon	49	41	28	31	0	2	7	13	9
Muskegon Heights	9	5	4	4	0	0	0	4	0
Muskegon Twp.	18	13	10	11	0	2	2	3	4
North Muskegon	6	2	2	3	0	0	0	0	3
Norton Shores	28	21	15	19	0	4	6	4	5
Ravenna	0	0	0	0	0	0	0	0	0
Ravenna Twp.	4	6	4	4	0	0	1	2	1
Roosevelt Park	1	1	1	1	0	0	0	1	0
Sullivan Twp.	1	1	1	1	0	1	0	0	0
White River Twp	3	3	2	2	0	0	1	0	1
Whitehall	3	2	2	2	0	0	1	1	0
Whitehall Twp.	0	0	0	0	0	0	0	0	0
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Muskegon County TOTAL</b>	<b>209</b>	<b>181</b>	<b>129</b>	<b>143</b>	<b>1</b>	<b>19</b>	<b>35</b>	<b>40</b>	<b>48</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Blue Lake Twp.	33	1	1	4	3	0	0	0	14	1	1	1
Casnovia	9	0	0	3	2	0	0	2	2	0	0	1
Casnovia Twp.	88	1	1	25	5	0	0	7	22	1	1	5
Cedar Creek Twp.	38	0	0	13	3	0	0	6	14	0	0	5
Dalton Twp.	239	0	0	64	11	0	0	6	68	0	0	25
Eggleston Twp.	120	0	0	36	10	0	0	7	22	0	0	6
Fruitland Twp.	103	0	0	33	5	0	0	2	21	0	0	4
Fruitport	27	0	0	5	1	0	0	1	6	0	0	0
Fruitport Twp.	270	2	2	81	8	0	0	10	58	0	0	7
Holton Twp.	67	1	1	20	3	0	0	2	22	1	1	10
Laketon Twp.	92	0	0	39	6	0	0	11	27	0	0	9
Lakewood Club	19	0	0	2	0	0	0	0	4	0	0	0
Montague	47	0	0	5	2	0	0	1	4	0	0	1
Montague Twp.	77	2	2	18	4	1	1	1	21	1	1	10
Moorland Twp.	57	1	1	13	2	1	1	2	7	1	1	1
Muskegon	1,167	7	7	284	32	1	1	19	142	1	1	16
Muskegon Heights	251	1	1	76	4	0	0	3	10	0	0	3
Muskegon Twp.	528	0	0	167	11	0	0	12	110	0	0	15
North Muskegon	78	0	0	8	3	0	0	0	6	0	0	1
Norton Shores	729	2	2	173	19	1	1	10	167	1	1	32
Ravenna	7	0	0	4	0	0	0	0	1	0	0	2
Ravenna Twp.	77	2	2	12	4	1	1	1	9	0	0	2
Roosevelt Park	20	0	0	4	1	0	0	0	1	0	0	0
Sullivan Twp.	68	1	1	14	1	1	1	2	14	1	1	3
White River Twp	29	1	2	10	2	1	2	4	8	0	0	6
Whitehall	55	0	0	9	2	0	0	2	4	0	0	2
Whitehall Twp.	78	0	0	16	0	0	0	0	18	0	0	2
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Muskegon County TOTAL</b>	<b>4,373</b>	<b>22</b>	<b>23</b>	<b>1,138</b>	<b>144</b>	<b>7</b>	<b>8</b>	<b>111</b>	<b>802</b>	<b>8</b>	<b>8</b>	<b>169</b>

## Restraint use among reported vehicle occupants by municipality

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Blue Lake Twp.	38	37	97.4	1	1	100.0	0	0	0.0	2	2	100.0	2	2	100.0	33	32	97.0
Casnovia	13	11	84.6	0	0	0.0	1	1	100.0	1	1	100.0	1	1	100.0	8	8	100.0
Casnovia Twp.	122	113	92.6	1	1	100.0	5	4	80.0	7	4	57.1	13	12	92.3	95	92	96.8
Cedar Creek Twp.	52	49	94.2	0	0	0.0	0	0	0.0	10	9	90.0	3	3	100.0	39	37	94.9
Dalton Twp.	361	342	94.7	0	0	0.0	3	2	66.7	21	17	81.0	40	37	92.5	293	286	97.6
Eggleston Twp.	203	178	87.7	0	0	0.0	4	3	75.0	10	10	100.0	22	20	90.9	153	144	94.1
Fruitland Twp.	140	133	95.0	0	0	0.0	4	4	100.0	5	5	100.0	23	16	69.6	108	108	100.0
Fruitport	51	45	88.2	0	0	0.0	0	0	0.0	0	0	0.0	4	4	100.0	43	41	95.3
Fruitport Twp.	440	395	89.8	2	2	100.0	5	5	100.0	18	12	66.7	55	51	92.7	350	325	92.9
Holton Twp.	91	84	92.3	1	0	0.0	6	5	83.3	7	6	85.7	7	7	100.0	67	66	98.5
Laketon Twp.	148	131	88.5	0	0	0.0	3	2	66.7	11	6	54.5	24	22	91.7	105	101	96.2
Lakewood Club	28	26	92.9	0	0	0.0	1	1	100.0	1	1	100.0	0	0	75.0	26	24	92.3
Montague	74	73	98.6	0	0	0.0	1	1	100.0	0	0	0.0	4	4	100.0	69	68	98.6
Montague Twp.	98	95	96.9	2	2	100.0	3	3	100.0	4	4	100.0	11	10	90.9	77	76	98.7
Moorland Twp.	68	64	94.1	1	0	0.0	3	2	66.7	3	2	66.7	7	7	100.0	54	53	98.1
Muskegon	2,278	1,908	83.8	3	2	66.7	24	19	79.2	91	74	81.3	141	130	92.2	1,811	1,681	92.8
Muskegon Heights	506	395	78.1	0	0	0.0	1	1	100.0	21	18	85.7	47	39	83.0	374	332	88.8
Muskegon Twp.	979	917	93.7	0	0	0.0	14	9	64.3	43	38	88.4	101	99	98.0	796	770	96.7
North Muskegon	149	122	81.9	0	0	0.0	2	2	100.0	2	2	100.0	2	2	100.0	135	116	85.9
Norton Shores	1,343	1,271	94.6	1	1	100.0	11	8	72.7	66	61	92.4	88	88	100.0	1,130	1,113	98.5
Ravenna	10	7	70.0	0	0	0.0	1	1	100.0	1	0	0.0	2	1	50.0	5	5	100.0
Ravenna Twp.	90	83	92.2	2	0	0.0	1	1	100.0	5	4	80.0	6	6	100.0	76	72	94.7
Roosevelt Park	38	33	86.8	0	0	0.0	0	0	0.0	2	2	100.0	1	1	100.0	32	30	93.8
Sullivan Twp.	98	95	96.9	1	1	100.0	3	2	66.7	6	6	100.0	5	5	100.0	82	81	98.8
White River Twp	41	37	90.2	2	1	50.0	3	2	66.7	2	1	50.0	5	5	100.0	29	28	96.6
Whitehall	100	96	96.0	0	0	0.0	0	0	0.0	4	4	100.0	5	5	100.0	87	87	100.0
Whitehall Twp.	124	119	96.0	0	0	0.0	1	1	100.0	3	3	100.0	12	11	91.7	107	104	97.2
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Muskegon County TOTAL</b>	<b>7,683</b>	<b>6,859</b>	<b>89.3</b>	<b>17</b>	<b>11</b>	<b>64.7</b>	<b>100</b>	<b>79</b>	<b>79.0</b>	<b>346</b>	<b>292</b>	<b>84.4</b>	<b>631</b>	<b>588</b>	<b>93.2</b>	<b>6,184</b>	<b>5,880</b>	<b>95.1</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	135	1	23	111	1	30
February	99	0	17	82	0	19
March	103	0	9	94	0	14
April	86	2	9	75	2	14
May	81	1	20	60	1	32
June	94	0	13	81	0	18
July	106	1	20	85	1	33
August	78	2	20	56	2	29
September	110	1	20	89	1	30
October	137	0	14	123	0	18
November	155	1	13	141	1	14
December	112	0	15	97	0	18
<b>TOTAL</b>	<b>1,296</b>	<b>9</b>	<b>193</b>	<b>1,094</b>	<b>9</b>	<b>269</b>

In Newaygo County in 2011 there were:

1,296 crashes

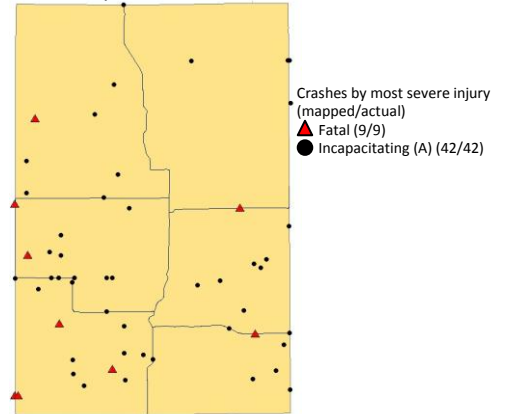
Involving:

2,072 people

2,061 motor vehicle drivers and passengers

4 bicyclists

7 pedestrians



## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	10,510	242	2	1.9	82.6
16 - 20	3,420	2,611	242	707.6	926.8
21 - 64	27,002	25,753	1,223	452.9	474.9
65 +	7,528	7,173	164	217.9	228.6
Other/Unknown	--	--	35	--	--
<b>TOTAL</b>	<b>48,460</b>	<b>35,779</b>	<b>1,666</b>	<b>343.8</b>	<b>465.6</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	1,167	70.0	7	63.6	174	986
Van, motorhome	71	4.3	1	9.1	13	57
Pickup truck	312	18.7	1	9.1	52	259
Small truck under 10,000 lbs. GVWR	29	1.7	0	0.0	3	26
Cycle	22	1.3	2	18.2	15	5
Moped	5	0.3	0	0.0	5	0
Go Cart	0	0.0	0	0.0	0	0
Snowmobile	4	0.2	0	0.0	2	2
Off-Road Vehicle (ORV) / All-Terrain Vehicle (ATV)	4	0.2	0	0.0	4	0
Other	11	0.7	0	0.0	3	8
Truck/bus over 10,000 lbs.	30	1.8	0	0.0	3	27
Unknown	11	0.7	0	0.0	3	8
<b>TOTAL</b>	<b>1,666</b>	<b>100.0</b>	<b>11</b>	<b>100.0</b>	<b>277</b>	<b>1,378</b>

## Newaygo County Experience

Newaygo County experienced the highest number of fatal crashes (2) and the highest number of persons killed (2) in April and August.

Newaygo County driver statistics indicate 7.3 percent of licensed drivers were age 16-20, and 14.5 percent of drivers in that age group were involved in crashes.

In Newaygo County, motorcycles accounted for only 1.3 percent of the total vehicles in crashes, but were involved in 18.2 percent of the total fatal crashes.



Crash Type								
	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	937	72.3	7	77.8	27	29	58	816
Head On	16	1.2	0	0.0	2	2	4	8
Head On - Left Turn	17	1.3	0	0.0	4	1	1	11
Angle	113	8.7	1	11.1	3	4	20	85
Rear End	90	6.9	1	11.1	2	7	8	72
Rear End - Left Turn	17	1.3	0	0.0	0	0	3	14
Rear End - Right Turn	8	0.6	0	0.0	0	1	1	6
Sideswipe - Same Direction	45	3.5	0	0.0	1	1	3	40
Sideswipe - Opposite Direct	23	1.8	0	0.0	1	0	5	17
Other/Unknown	30	2.3	0	0.0	2	1	2	25
<b>Total</b>	<b>1,296</b>	<b>100.0</b>	<b>9</b>	<b>100.0</b>	<b>42</b>	<b>46</b>	<b>105</b>	<b>1,094</b>

Relationship to Roadway								
Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	977	75.4	4	44.4	23	27	57	866
Median	1	0.1	0	0.0	0	0	0	1
Shoulder	103	7.9	0	0.0	6	5	18	74
Outside of Shoulder/Curb	167	12.9	3	33.3	12	12	24	116
Gore	5	0.4	0	0.0	0	0	0	5
Other/Unknown	43	3.3	2	22.2	1	2	6	32
<b>Total</b>	<b>1,296</b>	<b>100.0</b>	<b>9</b>	<b>100.0</b>	<b>42</b>	<b>46</b>	<b>105</b>	<b>1,094</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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	7	8	6	6	0	0	0	0	6
21 - 64	52	58	39	46	0	0	4	2	40
65 +	2	2	0	1	0	0	0	0	1
Other/Unknown	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>61</b>	<b>68</b>	<b>45</b>	<b>53</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>2</b>	<b>47</b>

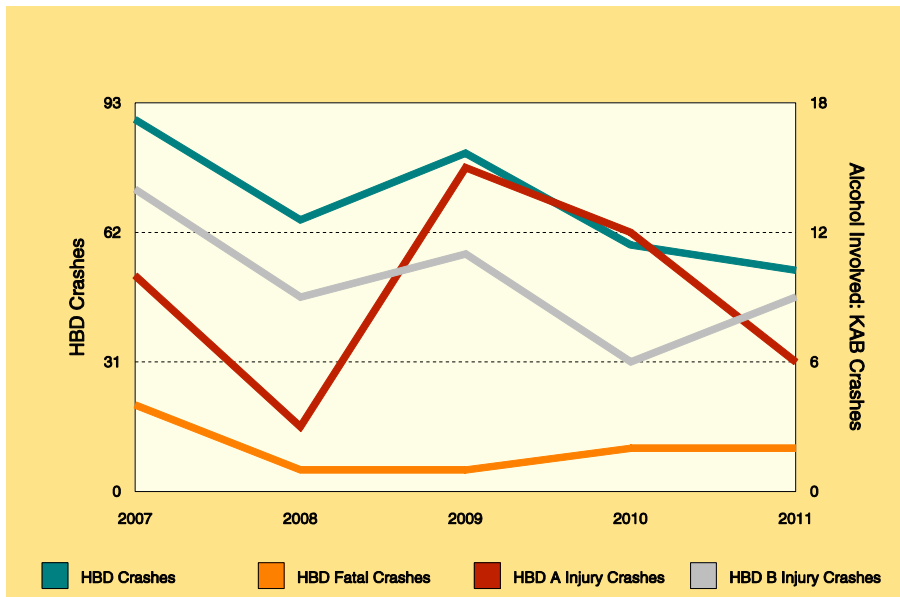
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

NEWAYGO	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	1,753	89	5.1	10	4	40.0	60	10	16.7	96	14	14.6
2008	1,734	65	3.8	8	1	12.5	35	3	8.6	74	9	12.2
2009	1,601	81	5.1	6	1	16.7	54	15	27.8	71	11	15.5
2010	1,444	59	4.1	5	2	40.0	44	12	27.3	58	6	10.3
2011	1,296*	53*	4.1	9	2	22.2	42	6	14.3	46*	9	19.6

\* Lowest number reported in the 5-year period.

**Restraint use among reported vehicle occupants by vehicle type**

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	1,227	1,168	95.2	5	2	40.0	26	20	76.9	40	36	90.0	113	109	96.5	1,019	991	97.3
Van, motorhome	76	71	93.4	0	0	0.0	2	2	100.0	3	3	100.0	7	5	71.4	64	61	95.3
Pickup truck	319	301	94.4	1	1	100.0	5	4	80.0	9	7	77.8	21	20	95.2	277	268	96.8
Small truck under 10,000 lbs. GVWR	30	26	86.7	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	28	25	89.3
Cycle	26	22	84.6	2	1	50.0	4	4	100.0	4	3	75.0	9	8	88.9	7	6	85.7
Moped	5	2	40.0	0	0	0.0	3	2	66.7	1	0	0.0	1	0	0.0	0	0	0.0
Go 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	4	2	50.0	0	0	0.0	2	1	50.0	0	0	0.0	0	0	0.0	1	1	100.0
Off-Road Vehicle (ORV) /All-Terrain Vehicle (ATV)	4	1	25.0	0	0	0.0	0	0	0.0	4	1	25.0	0	0	0.0	0	0	0.0
Other	14	5	35.7	0	0	0.0	0	0	0.0	4	0	0.0	1	0	0.0	9	5	55.6
Truck/bus over 10,000 lbs.	30	29	96.7	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	30	29	96.7
Uncoded & errors	11	1	9.1	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0
<b>TOTAL</b>	<b>1,746</b>	<b>1,628</b>	<b>93.2</b>	<b>8</b>	<b>4</b>	<b>50.0</b>	<b>42</b>	<b>33</b>	<b>78.6</b>	<b>65</b>	<b>50</b>	<b>76.9</b>	<b>153</b>	<b>143</b>	<b>93.5</b>	<b>1,436</b>	<b>1,387</b>	<b>96.6</b>

**Restraint use among reported vehicle occupants by age**

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	19	15	78.9	0	0	0.0	1	1	100.0	5	2	40.0	13	12	92.3	0	0	0.0
16 - 20	263	246	93.5	0	0	0.0	9	6	66.7	15	11	73.3	30	29	96.7	208	199	95.7
21 - 64	1,252	1,198	95.7	5	2	40.0	26	20	76.9	43	36	83.7	89	83	93.3	1,079	1,048	97.1
65 +	174	166	95.4	3	2	66.7	6	6	100.0	2	1	50.0	18	17	94.4	144	139	96.5
Other/Unknown	38	3	7.9	0	0	0.0	0	0	0.0	0	0	0.0	3	2	66.7	5	1	20.0
<b>TOTAL</b>	<b>1,746</b>	<b>1,628</b>	<b>93.2</b>	<b>8</b>	<b>4</b>	<b>50.0</b>	<b>42</b>	<b>33</b>	<b>78.6</b>	<b>65</b>	<b>50</b>	<b>76.9</b>	<b>153</b>	<b>143</b>	<b>93.5</b>	<b>1,436</b>	<b>1,387</b>	<b>96.6</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Ashland Twp.	6	4	4	4	0	0	0	0	4
Barton Twp.	1	1	1	1	0	0	0	0	1
Beaver Twp.	1	1	1	1	0	0	0	1	0
Big Prairie Twp.	0	0	0	0	0	0	0	0	0
Bridgeton Twp.	2	3	2	2	0	0	0	0	2
Brooks Twp.	2	2	2	2	0	0	0	0	2
Croton Twp.	6	7	5	5	0	0	0	0	5
Dayton Twp.	4	3	3	3	0	0	1	0	2
Denver Twp.	3	2	2	2	0	0	1	0	1
Ensley Twp.	5	2	2	4	0	0	0	0	4
Everett Twp.	2	1	1	2	0	0	0	1	1
Fremont	2	12	2	2	0	0	0	0	2
Garfield Twp.	1	1	1	1	0	0	0	0	1
Goodwell Twp.	1	1	0	1	0	0	0	0	1
Grant	2	1	1	1	0	0	0	0	1
Grant Twp.	4	6	4	4	0	0	0	0	4
Hesperia	0	0	0	0	0	0	0	0	0
Home Twp.	1	1	1	1	0	0	1	0	0
Lilley Twp.	3	2	2	3	0	0	0	0	3
Lincoln Twp.	1	1	1	1	0	0	1	0	0
Merrill Twp.	0	0	0	0	0	0	0	0	0
Monroe Twp.	0	0	0	0	0	0	0	0	0
Newaygo	0	1	0	0	0	0	0	0	0
Norwich Twp.	1	0	0	1	0	0	0	0	1
Sheridan Twp.	8	8	5	7	0	0	0	0	7
Sherman Twp.	2	4	2	2	0	0	0	0	2
Troy Twp.	0	0	0	0	0	0	0	0	0
White Cloud	1	1	1	1	0	0	0	0	1
Wilcox Twp.	2	3	2	2	0	0	0	0	2
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Newaygo County TOTAL</b>	<b>61</b>	<b>68</b>	<b>45</b>	<b>53</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>2</b>	<b>47</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Ashland Twp.	96	1	1	23	4	0	0	7	22	0	0	6
Barton Twp.	39	0	0	4	1	0	0	0	3	0	0	0
Beaver Twp.	20	1	1	0	1	1	1	0	0	0	0	0
Big Prairie Twp.	38	0	0	6	0	0	0	0	8	0	0	2
Bridgeton Twp.	49	2	2	14	2	0	0	3	13	0	0	3
Brooks Twp.	55	0	0	10	2	0	0	0	21	0	0	3
Croton Twp.	87	1	1	27	5	0	0	8	13	0	0	9
Dayton Twp.	52	1	1	9	3	1	1	0	9	1	1	3
Denver Twp.	46	0	0	9	2	0	0	2	5	0	0	1
Ensley Twp.	51	0	0	9	4	0	0	1	16	0	0	3
Everett Twp.	65	0	0	15	2	0	0	0	9	0	0	2
Fremont	98	0	0	25	2	0	0	0	7	0	0	0
Garfield Twp.	82	0	0	18	1	0	0	0	15	0	0	3
Goodwell Twp.	33	1	1	2	1	0	0	1	1	0	0	1
Grant	7	0	0	2	1	0	0	0	0	0	0	0
Grant Twp.	74	0	0	16	4	0	0	2	16	0	0	5
Hesperia	3	1	1	0	0	0	0	0	0	0	0	0
Home Twp.	10	0	0	2	1	0	0	0	2	0	0	0
Lilley Twp.	18	0	0	4	3	0	0	2	3	0	0	0
Lincoln Twp.	31	0	0	9	1	0	0	0	3	0	0	4
Merrill Twp.	17	0	0	4	0	0	0	0	2	0	0	1
Monroe Twp.	8	0	0	1	0	0	0	0	2	0	0	1
Newaygo	77	0	0	6	0	0	0	0	5	0	0	0
Norwich Twp.	19	0	0	2	1	0	0	1	3	0	0	2
Sheridan Twp.	92	1	1	28	7	0	0	5	20	0	0	9
Sherman Twp.	77	0	0	19	2	0	0	1	17	0	0	4
Troy Twp.	6	0	0	0	0	0	0	0	0	0	0	0
White Cloud	14	0	0	2	1	0	0	0	2	0	0	0
Wilcox Twp.	32	0	0	3	2	0	0	2	8	0	0	2
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Newaygo County TOTAL</b>	<b>1,296</b>	<b>9</b>	<b>9</b>	<b>269</b>	<b>53</b>	<b>2</b>	<b>2</b>	<b>35</b>	<b>225</b>	<b>1</b>	<b>1</b>	<b>64</b>

Restraint use among reported vehicle occupants by municipality

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Ashland Twp.	134	127	94.8	1	1	100.0	3	2	66.7	6	5	83.3	14	12	85.7	108	107	99.1
Barton Twp.	46	42	91.3	0	0	0.0	1	1	100.0	0	0	0.0	3	3	100.0	41	38	92.7
Beaver Twp.	21	20	95.2	1	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	20	20	100.0
Big Prairie Twp.	50	49	98.0	0	0	0.0	2	2	100.0	2	2	100.0	1	1	100.0	45	44	97.8
Bridgeton Twp.	58	54	93.1	2	1	50.0	3	3	100.0	2	2	100.0	9	9	100.0	40	38	95.0
Brooks Twp.	67	64	95.5	0	0	0.0	1	0	0.0	1	1	100.0	8	7	87.5	57	56	98.2
Croton Twp.	120	113	94.2	1	0	0.0	7	5	71.4	10	7	70.0	10	10	100.0	92	91	98.9
Dayton Twp.	64	61	95.3	1	1	100.0	3	3	100.0	3	3	100.0	3	3	100.0	52	50	96.2
Denver Twp.	56	48	85.7	0	0	0.0	2	0	0.0	1	1	100.0	6	5	83.3	44	42	95.5
Ensley Twp.	66	61	92.4	0	0	0.0	4	3	75.0	3	2	66.7	2	2	100.0	55	53	96.4
Everett Twp.	83	77	92.8	0	0	0.0	0	0	0.0	3	3	100.0	10	9	90.0	67	64	95.5
Fremont	190	171	90.0	0	0	0.0	2	1	50.0	2	1	50.0	18	17	94.4	156	151	96.8
Garfield Twp.	109	106	97.2	0	0	0.0	2	2	100.0	4	3	75.0	12	11	91.7	90	89	98.9
Goodwell Twp.	36	31	86.1	1	1	100.0	0	0	0.0	2	0	0.0	0	0	0.0	32	29	90.6
Grant	15	15	100.0	0	0	0.0	0	0	0.0	1	1	100.0	1	1	100.0	13	13	100.0
Grant Twp.	89	84	94.4	0	0	0.0	1	1	100.0	3	3	100.0	12	12	100.0	71	68	95.8
Hesperia	5	3	60.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	5	3	60.0
Home Twp.	11	11	100.0	0	0	0.0	1	1	100.0	0	0	0.0	1	1	100.0	9	9	100.0
Lilley Twp.	22	20	90.9	0	0	0.0	1	1	100.0	1	0	0.0	2	2	100.0	18	17	94.4
Lincoln Twp.	38	35	92.1	0	0	0.0	3	3	100.0	4	4	100.0	2	1	50.0	28	26	92.9
Merrill Twp.	20	14	70.0	0	0	0.0	1	0	0.0	0	0	0.0	2	1	50.0	16	13	81.3
Monroe Twp.	10	10	100.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	9	9	100.0
Newaygo	125	115	92.0	0	0	0.0	0	0	0.0	0	0	0.0	4	3	75.0	117	112	95.7
Norwich Twp.	23	23	100.0	0	0	0.0	0	0	0.0	1	1	100.0	1	1	100.0	21	21	100.0
Sheridan Twp.	125	120	96.0	1	0	0.0	3	3	100.0	5	5	100.0	20	20	100.0	93	91	97.8
Sherman Twp.	98	93	94.9	0	0	0.0	2	2	100.0	8	4	50.0	9	9	100.0	78	77	98.7
Troy Twp.	6	6	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	5	5	100.0
White Cloud	21	19	90.5	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0	19	17	89.5
Wilcox Twp.	38	36	94.7	0	0	0.0	0	0	0.0	3	2	66.7	0	0	0.0	35	34	97.1
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Newaygo County TOTAL</b>	<b>1,746</b>	<b>1,628</b>	<b>93.2</b>	<b>8</b>	<b>4</b>	<b>50.0</b>	<b>42</b>	<b>33</b>	<b>78.6</b>	<b>65</b>	<b>50</b>	<b>76.9</b>	<b>153</b>	<b>143</b>	<b>93.5</b>	<b>1,436</b>	<b>1,387</b>	<b>96.6</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	3,055	5	539	2,511	5	713
February	3,021	2	538	2,481	2	716
March	2,851	5	532	2,314	5	710
April	2,072	6	455	1,611	6	603
May	2,765	4	637	2,124	4	875
June	3,001	3	637	2,361	3	861
July	2,638	5	585	2,048	5	829
August	2,681	9	619	2,053	9	863
September	3,000	5	671	2,324	6	886
October	3,118	6	596	2,516	11	813
November	3,292	4	650	2,638	4	882
December	3,326	7	622	2,697	7	823
<b>TOTAL</b>	<b>34,820</b>	<b>61</b>	<b>7,081</b>	<b>27,678</b>	<b>67</b>	<b>9,574</b>

In Oakland County in 2011 there were:  
**34,820** crashes

Involving:

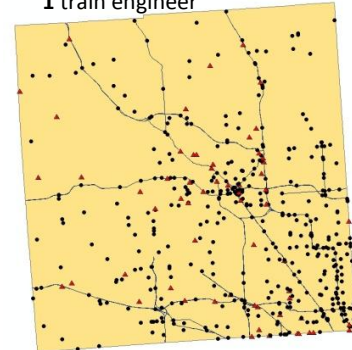
**74,144** people

**73,687** motor vehicle drivers and passengers

**198** bicyclists

**258** pedestrians

**1** train engineer



Crashes by most severe injury (mapped/actual)

▲ Fatal (61/61)  
 ● Incapacitating (A) (422/423)

## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	246,604	7,699	113	4.6	146.8
16 - 20	75,954	68,435	8,143	1072.1	1189.9
21 - 64	720,680	726,374	48,545	673.6	668.3
65 +	159,124	145,239	5,598	351.8	385.4
Other/Unknown	--	--	4,308	--	--
<b>TOTAL</b>	<b>1,202,362</b>	<b>947,747</b>	<b>66,707</b>	<b>554.8</b>	<b>703.8</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	55,030	82.5	65	64.4	11,726	43,239
Van, motorhome	3,214	4.8	2	2.0	684	2,528
Pickup truck	5,270	7.9	13	12.9	1,027	4,230
Small truck under 10,000 lbs. GVWR	918	1.4	3	3.0	211	704
Cycle	264	0.4	9	8.9	199	56
Moped	23	0.0	1	1.0	17	5
Go Cart	2	0.0	0	0.0	2	0
Snowmobile	3	0.0	0	0.0	1	2
Off-Road Vehicle (ORV) / All-Terrain Vehicle (ATV)	10	0.0	0	0.0	6	4
Other	225	0.3	2	2.0	37	186
Truck/bus over 10,000 lbs.	1,144	1.7	5	5.0	189	950
Unknown	604	0.9	1	1.0	46	557
<b>TOTAL</b>	<b>66,707</b>	<b>100.0</b>	<b>101</b>	<b>100.0</b>	<b>14,145</b>	<b>52,461</b>

## Oakland County Experience

Oakland County experienced the highest number of fatal crashes (9) in August and the highest number of persons killed (11) in October.

Oakland County driver statistics indicate 7.2 percent of licensed drivers were age 16-20, and 12.2 percent of drivers in that age group were involved in crashes.

In Oakland County, motorcycles accounted for only 0.4 percent of the total vehicles in crashes, but were involved in 8.9 percent of the total fatal crashes.



Crash Type								
	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	5,678	16.3	30	49.2	132	427	647	4,442
Head On	401	1.2	8	13.1	31	61	86	215
Head On - Left Turn	922	2.6	1	1.6	26	139	213	543
Angle	5,694	16.4	6	9.8	82	393	925	4,288
Rear End	13,657	39.2	6	9.8	75	437	2,348	10,791
Rear End - Left Turn	356	1.0	1	1.6	4	12	65	274
Rear End - Right Turn	531	1.5	0	0.0	1	11	60	459
Sideswipe - Same Direction	4,218	12.1	2	3.3	23	65	251	3,877
Sideswipe - Opposite Direct	676	1.9	3	4.9	5	35	61	572
Other/Unknown	2,687	7.7	4	6.6	44	187	235	2,217
<b>Total</b>	<b>34,820</b>	<b>100.0</b>	<b>61</b>	<b>100.0</b>	<b>423</b>	<b>1,767</b>	<b>4,891</b>	<b>27,678</b>

Relationship to Roadway								
Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	31,469	90.4	46	75.4	334	1,473	4,421	25,195
Median	338	1.0	1	1.6	11	25	54	247
Shoulder	958	2.8	3	4.9	17	78	137	723
Outside of Shoulder/Curb	1,708	4.9	10	16.4	52	159	232	1,255
Gore	67	0.2	0	0.0	2	9	13	43
Other/Unknown	280	0.8	1	1.6	7	23	34	215
<b>Total</b>	<b>34,820</b>	<b>100.0</b>	<b>61</b>	<b>100.0</b>	<b>423</b>	<b>1,767</b>	<b>4,891</b>	<b>27,678</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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	2	2	1	1	0	0	1	0	0
16 - 20	136	98	76	94	2	8	31	15	38
21 - 64	1,355	881	744	917	26	84	206	252	349
65 +	64	38	24	28	1	3	13	5	6
Other/Unknown	170	1	0	12	0	0	0	0	12
<b>TOTAL</b>	<b>1,727</b>	<b>1,020</b>	<b>845</b>	<b>1,052</b>	<b>29</b>	<b>95</b>	<b>251</b>	<b>272</b>	<b>405</b>

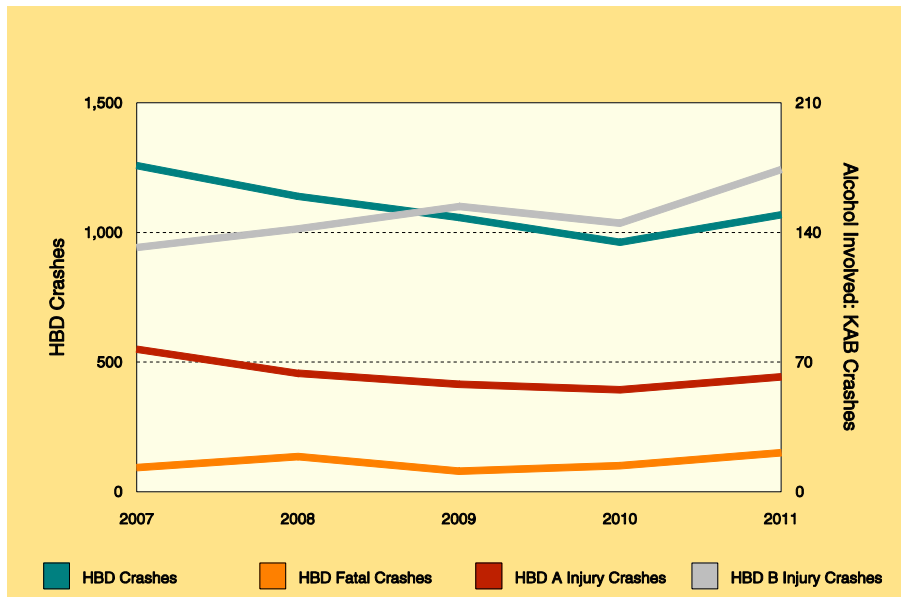
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

OAKLAND	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	37,781	1,258	3.3	48	13	27.1	460	77	16.7	1,517	132	8.7
2008	37,384	1,140	3.1	54	19	35.2	470	64	13.6	1,429	142	9.9
2009	33,255	1,058	3.2	51	11	21.6	436	58	13.3	1,402	154	11.0
2010	33,458	963	2.9	54	14	25.9	373	55	14.8	1,749	145	8.3
2011	34,820	1,069	3.1	61*	21*	34.4	423**	62	14.7	1,767*	174*	9.8

\* Highest number reported in the 5-year period. \*\* Lowest number reported in the 5-year period.

**Restraint use among reported vehicle occupants by vehicle type**

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	56,682	52,494	92.6	32	14	43.8	333	260	78.1	1,666	1,532	92.0	5,833	5,673	97.3	45,939	44,995	97.9
Van, motorhome	3,321	3,034	91.4	0	0	0.0	21	17	81.0	76	66	86.8	314	301	95.9	2,718	2,649	97.5
Pickup truck	5,350	4,800	89.7	4	1	25.0	32	20	62.5	125	108	86.4	340	319	93.8	4,461	4,348	97.5
Small truck under 10,000 lbs. GVWR	947	854	90.2	5	3	60.0	1	1	100.0	23	19	82.6	104	100	96.2	748	729	97.5
Cycle	281	268	95.4	9	9	100.0	42	41	97.6	110	106	96.4	59	58	98.3	54	54	100.0
Moped	23	7	30.4	1	0	0.0	4	1	25.0	10	4	40.0	3	1	33.3	3	1	33.3
Go Cart	3	1	33.3	0	0	0.0	1	0	0.0	1	0	0.0	0	0	0.0	1	1	100.0
Snowmobile	3	2	66.7	0	0	0.0	1	1	100.0	0	0	0.0	0	0	0.0	2	1	50.0
Off-Road Vehicle (ORV) /All-Terrain Vehicle (ATV)	10	2	20.0	0	0	0.0	0	0	0.0	3	2	66.7	3	0	0.0	2	0	0.0
Other	230	139	60.4	0	0	0.0	1	1	100.0	10	4	40.0	11	8	72.7	144	126	87.5
Truck/bus over 10,000 lbs.	1,174	1,029	87.6	0	0	0.0	4	0	0.0	13	7	53.8	39	15	38.5	1,046	1,007	96.3
Uncoded & errors	605	19	3.1	0	0	0.0	0	0	0.0	1	0	0.0	2	2	100.0	38	16	42.1
<b>TOTAL</b>	<b>68,629</b>	<b>62,649</b>	<b>91.3</b>	<b>51</b>	<b>27</b>	<b>52.9</b>	<b>440</b>	<b>342</b>	<b>77.7</b>	<b>2,038</b>	<b>1,848</b>	<b>90.7</b>	<b>6,708</b>	<b>6,477</b>	<b>96.6</b>	<b>55,156</b>	<b>53,927</b>	<b>97.8</b>

**Restraint use among reported vehicle occupants by age**

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	645	572	88.7	0	0	0.0	11	3	27.3	113	97	85.8	424	388	91.5	91	82	90.1
16 - 20	8,497	8,278	97.4	0	0	0.0	64	42	65.6	309	258	83.5	742	704	94.9	7,377	7,273	98.6
21 - 64	49,391	48,130	97.4	41	22	53.7	329	265	80.5	1,388	1,283	92.4	4,866	4,732	97.2	42,696	41,811	97.9
65 +	5,774	5,632	97.5	10	5	50.0	34	32	94.1	224	210	93.8	671	652	97.2	4,832	4,733	98.0
Other/Unknown	4,322	37	0.9	0	0	0.0	2	0	0.0	4	0	0.0	5	1	20.0	160	28	17.5
<b>TOTAL</b>	<b>68,629</b>	<b>62,649</b>	<b>91.3</b>	<b>51</b>	<b>27</b>	<b>52.9</b>	<b>440</b>	<b>342</b>	<b>77.7</b>	<b>2,038</b>	<b>1,848</b>	<b>90.7</b>	<b>6,708</b>	<b>6,477</b>	<b>96.6</b>	<b>55,156</b>	<b>53,927</b>	<b>97.8</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Addison Twp.	7	4	4	5	0	0	1	0	4
Auburn Hills	63	49	41	45	0	5	20	7	13
Berkley	26	14	12	13	1	1	2	6	3
Beverly Hills	12	8	7	8	0	0	4	0	4
Bingham Farms	0	0	0	0	0	0	0	0	0
Birmingham	17	9	6	7	1	1	0	0	5
Bloomfield Hills	7	4	3	4	0	1	1	1	1
Bloomfield Twp.	35	18	16	20	1	4	6	5	4
Brandon Twp.	13	8	8	12	0	1	0	5	6
Clarkston	2	1	1	1	0	0	0	1	0
Clawson	10	6	4	5	0	1	0	3	1
Commerce Twp.	42	21	21	27	0	2	8	8	9
Farmington	4	2	2	2	0	1	0	0	1
Farmington Hills	90	48	40	48	2	4	11	10	21
Ferndale	58	31	30	33	0	3	11	7	12
Franklin	2	1	1	1	0	0	0	0	1
Groveland Twp.	11	8	7	9	0	0	2	2	5
Hazel Park	48	29	23	32	0	3	4	8	17
Highland Twp.	41	22	20	29	1	6	2	8	12
Holly	5	4	2	4	0	0	0	1	3
Holly Twp.	14	11	11	11	0	1	1	2	7
Huntington Woods	6	4	3	4	0	0	1	1	2
Independence Twp.	62	28	27	40	2	3	11	7	17
Keego Harbor	6	4	3	3	1	1	0	1	0
Lake Angelus	0	0	0	0	0	0	0	0	0
Lake Orion	3	3	1	1	0	1	0	0	0
Lathrup Village	3	2	2	2	0	0	1	0	1
Leonard	0	0	0	0	0	0	0	0	0
Lyon Twp.	26	17	11	16	1	0	3	3	9
Madison Heights	63	36	28	36	1	5	5	9	16
Milford	13	10	8	8	0	2	1	4	1
Milford Twp.	20	17	14	18	1	1	4	4	8
Northville	4	2	2	3	0	1	0	1	1
Novi	55	39	31	35	1	4	10	10	10
Novi Twp.	0	0	0	0	0	0	0	0	0
Oak Park	29	20	14	17	1	1	4	5	6
Oakland Twp.	1	1	1	1	0	0	0	1	0
Orchard Lake	5	5	3	3	0	1	1	0	1
Orion Twp.	36	25	21	24	0	5	8	6	5
Ortonville	3	3	2	2	1	0	0	0	1
Oxford	3	3	2	2	0	1	0	1	0
Oxford Twp.	14	14	8	11	0	1	3	2	5
Pleasant Ridge	5	2	2	3	0	0	1	1	1
Pontiac	125	47	43	68	2	3	15	15	33
Rochester	17	7	6	9	1	1	0	4	3
Rochester Hills	81	46	40	42	2	4	15	12	9
Rose Twp.	5	4	4	4	0	0	0	1	3
Royal Oak	117	64	58	63	2	2	17	19	23
Royal Oak Twp.	2	1	1	1	0	0	1	0	0
South Lyon	5	1	1	3	0	0	0	1	2
Southfield	123	78	55	76	0	4	16	22	34
Southfield Twp.	0	0	0	0	0	0	0	0	0
Springfield Twp.	14	10	10	12	0	1	3	2	6
Sylvan Lake	1	0	0	1	0	0	0	0	1
Troy	117	71	63	74	1	9	21	20	23
Walled Lake	12	3	3	7	0	0	1	1	5
Waterford Twp.	127	81	58	70	2	7	15	24	22
West Bloomfield Twp.	43	31	25	28	3	0	9	8	8
White Lake Twp.	57	34	30	41	1	2	11	11	16
Wixom	12	5	3	5	0	0	0	2	3
Wolverine Lake	5	4	3	3	0	1	1	0	1
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Oakland County TOTAL</b>	<b>1,727</b>	<b>1,020</b>	<b>845</b>	<b>1,052</b>	<b>29</b>	<b>95</b>	<b>251</b>	<b>272</b>	<b>405</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Addison Twp.	145	0	0	45	5	0	0	9	21	0	0	15
Auburn Hills	1,592	6	6	431	45	1	1	33	188	1	1	44
Berkley	233	1	1	42	14	0	0	9	2	0	0	0
Beverly Hills	149	0	0	34	8	0	0	1	1	0	0	0
Bingham Farms	20	0	0	4	0	0	0	0	0	0	0	0
Birmingham	766	1	1	159	8	0	0	4	13	0	0	1
Bloomfield Hills	225	1	1	57	4	0	0	5	14	0	0	3
Bloomfield Twp.	1,172	0	0	372	20	0	0	15	80	0	0	23
Brandon Twp.	217	0	0	45	12	0	0	4	32	0	0	7
Clarkston	38	0	0	8	1	0	0	1	0	0	0	0
Clawson	183	0	0	39	5	0	0	2	0	0	0	0
Commerce Twp.	998	1	1	224	28	1	1	18	31	0	0	3
Farmington	154	0	0	32	2	0	0	2	8	0	0	1
Farmington Hills	2,513	3	3	644	49	2	2	32	184	1	1	25
Ferndale	376	0	0	100	33	0	0	12	11	0	0	0
Franklin	102	0	0	24	1	0	0	0	1	0	0	0
Groveland Twp.	162	0	0	43	9	0	0	5	28	0	0	8
Hazel Park	637	2	3	183	32	1	1	14	68	1	2	16
Highland Twp.	369	2	2	104	29	1	1	10	44	1	1	18
Holly	97	0	0	24	4	0	0	0	1	0	0	0
Holly Twp.	206	1	1	65	11	0	0	9	40	0	0	7
Huntington Woods	91	0	0	20	4	0	0	2	9	0	0	0
Independence Twp.	835	1	1	261	40	0	0	24	58	0	0	15
Keego Harbor	91	0	0	12	3	0	0	0	6	0	0	1
Lake Angelus	0	0	0	0	0	0	0	0	0	0	0	0
Lake Orion	111	1	1	31	2	1	1	0	1	0	0	1
Lathrup Village	181	0	0	35	2	0	0	1	8	0	0	3
Leonard	2	0	0	2	0	0	0	0	1	0	0	1
Lyon Twp.	551	1	1	136	16	0	0	9	76	0	0	11
Madison Heights	1,268	0	0	392	35	0	0	15	92	0	0	21
Milford	150	0	0	34	8	0	0	1	1	0	0	0
Milford Twp.	238	1	1	71	18	1	1	11	23	0	0	8
Northville	66	0	0	22	3	0	0	1	4	0	0	0
Novi	1,566	1	1	427	34	0	0	12	92	0	0	20
Novi Twp.	0	0	0	0	0	0	0	0	0	0	0	0
Oak Park	519	3	3	119	18	2	2	14	24	0	0	10
Oakland Twp.	259	0	0	59	1	0	0	0	20	0	0	7
Orchard Lake	112	1	1	31	3	0	0	1	4	0	0	2
Orion Twp.	815	2	2	189	24	1	1	13	40	0	0	13
Ortonville	30	0	0	7	2	0	0	1	1	0	0	0
Oxford	95	0	0	21	2	0	0	0	4	0	0	3
Oxford Twp.	389	2	2	80	11	0	0	2	23	0	0	2
Pleasant Ridge	132	0	0	32	3	0	0	5	5	0	0	3
Pontiac	1,576	5	5	578	72	2	2	49	82	1	1	18
Rochester	277	0	0	48	10	0	0	6	4	0	0	1
Rochester Hills	2,216	0	0	529	42	0	0	29	79	0	0	8
Rose Twp.	99	2	3	23	4	0	0	3	27	1	1	8
Royal Oak	1,689	0	0	588	67	0	0	35	105	0	0	19
Royal Oak Twp.	50	2	2	16	2	1	1	1	1	0	0	0
South Lyon	147	0	0	29	4	0	0	1	2	0	0	0
Southfield	2,909	8	12	867	76	2	6	45	206	0	0	58
Southfield Twp.	0	0	0	0	0	0	0	0	0	0	0	0
Springfield Twp.	326	0	0	85	12	0	0	13	69	0	0	18
Sylvan Lake	55	0	0	17	1	0	0	0	1	0	0	1
Troy	3,079	1	1	795	75	0	0	39	161	0	0	20
Walled Lake	171	0	0	56	7	0	0	5	5	0	0	2
Waterford Twp.	1,688	10	10	566	71	4	4	46	81	1	1	18
West Bloomfield Twp.	1,527	0	0	404	28	0	0	10	77	0	0	7
White Lake Twp.	608	2	2	194	41	1	1	20	52	1	1	10
Wixom	485	0	0	106	5	0	0	2	26	0	0	2
Wolverine Lake	63	0	0	13	3	0	0	2	6	0	0	1
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Oakland County TOTAL</b>	<b>34,820</b>	<b>61</b>	<b>67</b>	<b>9,574</b>	<b>1,069</b>	<b>21</b>	<b>25</b>	<b>603</b>	<b>2,243</b>	<b>8</b>	<b>9</b>	<b>483</b>

## Restraint use among reported vehicle occupants by municipality

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Addison Twp.	192	171	89.1	0	0	0.0	9	6	66.7	14	9	64.3	21	20	95.2	139	136	97.8
Auburn Hills	3,058	2,886	94.4	5	3	60.0	17	11	64.7	91	85	93.4	317	306	96.5	2,502	2,481	99.2
Berkley	465	347	74.6	1	0	0.0	3	1	33.3	9	8	88.9	25	23	92.0	320	314	98.1
Beverly Hills	297	268	90.2	0	0	0.0	0	0	0.0	6	4	66.7	28	27	96.4	247	237	96.0
Bingham Farms	41	39	95.1	0	0	0.0	1	1	100.0	0	0	0.0	3	3	100.0	35	35	100.0
Birmingham	1,604	1,395	87.0	1	0	0.0	3	3	100.0	20	18	90.0	119	114	95.8	1,271	1,260	99.1
Bloomfield Hills	449	425	94.7	1	1	100.0	3	2	66.7	13	13	100.0	40	39	97.5	377	370	98.1
Bloomfield Twp.	2,361	2,254	95.5	0	0	0.0	8	7	87.5	89	79	88.8	268	264	98.5	1,914	1,902	99.4
Brandon Twp.	314	299	95.2	0	0	0.0	2	1	50.0	17	15	88.2	25	22	88.0	270	261	96.7
Clarkston	81	77	95.1	0	0	0.0	1	1	100.0	1	1	100.0	5	5	100.0	70	70	100.0
Clawson	380	308	81.1	0	0	0.0	0	0	0.0	9	7	77.8	29	28	96.6	279	273	97.8
Commerce Twp.	2,024	1,925	95.1	0	0	0.0	10	9	90.0	36	36	100.0	175	168	96.0	1,730	1,712	99.0
Farmington	301	273	90.7	0	0	0.0	2	2	100.0	12	12	100.0	18	18	100.0	247	241	97.6
Farmington Hills	5,067	4,778	94.3	2	1	50.0	20	17	85.0	122	117	95.9	487	479	98.4	4,203	4,161	99.0
Ferndale	740	518	70.0	0	0	0.0	3	1	33.3	27	22	81.5	50	42	84.0	517	453	87.6
Franklin	210	202	96.2	0	0	0.0	1	0	0.0	4	4	100.0	18	18	100.0	181	180	99.4
Groveland Twp.	231	208	90.0	0	0	0.0	4	3	75.0	9	5	55.6	30	28	93.3	183	171	93.4
Hazel Park	1,257	1,055	83.9	2	0	0.0	6	4	66.7	45	37	82.2	119	112	94.1	930	901	96.9
Highland Twp.	641	593	92.5	2	1	50.0	7	4	57.1	34	29	85.3	61	58	95.1	512	501	97.9
Holly	183	161	88.0	0	0	0.0	1	1	100.0	6	4	66.7	16	14	87.5	146	142	97.3
Holly Twp.	304	277	91.1	1	0	0.0	4	1	25.0	11	10	90.9	48	44	91.7	228	220	96.5
Huntington Woods	179	140	78.2	0	0	0.0	1	1	100.0	9	7	77.8	10	10	100.0	131	122	93.1
Independence Twp.	1,548	1,438	92.9	1	0	0.0	13	13	100.0	66	58	87.9	174	155	89.1	1,228	1,211	98.6
Keego Harbor	181	169	93.4	0	0	0.0	0	0	0.0	4	4	100.0	7	7	100.0	164	158	96.3
Lake Angelus	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Lake Orion	237	216	91.1	0	0	0.0	4	4	100.0	9	9	100.0	16	15	93.8	197	187	94.9
Lathrup Village	367	345	94.0	0	0	0.0	2	2	100.0	6	6	100.0	27	26	96.3	314	310	98.7
Leonard	4	4	100.0	0	0	0.0	0	0	0.0	1	1	100.0	1	1	100.0	2	2	100.0
Lyon Twp.	988	907	91.8	1	1	100.0	9	4	44.4	34	31	91.2	89	85	95.5	810	786	97.0
Madison Heights	2,604	2,340	89.9	0	0	0.0	17	12	70.6	68	62	91.2	287	278	96.9	2,026	1,986	98.0
Milford	302	281	93.0	0	0	0.0	0	0	0.0	7	7	100.0	24	23	95.8	252	251	99.6
Milford Twp.	373	351	94.1	1	0	0.0	6	5	83.3	22	16	72.7	42	40	95.2	294	290	98.6
Northville	130	123	94.6	0	0	0.0	0	0	0.0	3	3	100.0	18	18	100.0	103	102	99.0
Novi	3,140	2,917	92.9	1	0	0.0	16	15	93.8	103	101	98.1	301	297	98.7	2,577	2,504	97.2
Novi Twp.	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Oak Park	1,032	781	75.7	2	1	50.0	5	4	80.0	15	14	93.3	83	76	91.6	717	685	95.5
Oakland Twp.	370	347	93.8	0	0	0.0	3	3	100.0	26	23	88.5	30	30	100.0	299	291	97.3
Orchard Lake	209	203	97.1	1	0	0.0	2	2	100.0	6	5	83.3	22	22	100.0	174	174	100.0
Orion Twp.	1,537	1,452	94.5	1	0	0.0	9	6	66.7	47	45	95.7	128	125	97.7	1,294	1,276	98.6
Ortonville	53	48	90.6	0	0	0.0	1	1	100.0	1	1	100.0	4	3	75.0	43	43	100.0
Oxford	193	172	89.1	0	0	0.0	0	0	0.0	1	0	0.0	17	16	94.1	160	156	97.5
Oxford Twp.	634	599	94.5	2	1	50.0	8	8	100.0	13	11	84.6	58	55	94.8	529	524	99.1
Pleasant Ridge	275	251	91.3	0	0	0.0	2	2	100.0	2	2	100.0	28	28	100.0	225	219	97.3
Pontiac	3,175	2,619	82.5	4	1	25.0	46	36	78.3	121	109	90.1	377	362	96.0	2,166	2,109	97.4
Rochester	563	475	84.4	0	0	0.0	2	1	50.0	14	12	85.7	25	23	92.0	462	439	95.0
Rochester Hills	4,397	4,166	94.7	0	0	0.0	27	20	74.1	113	107	94.7	359	351	97.8	3,715	3,686	99.2
Rose Twp.	135	120	88.9	3	2	66.7	2	0	0.0	8	8	100.0	13	11	84.6	107	98	91.6
Royal Oak	3,602	3,411	94.7	0	0	0.0	13	8	61.5	100	90	90.0	438	423	96.6	2,937	2,889	98.4
Royal Oak Twp.	103	81	78.6	1	1	100.0	1	1	100.0	1	0	0.0	12	12	100.0	71	67	94.4
South Lyon	298	268	89.9	0	0	0.0	0	0	0.0	5	5	100.0	19	18	94.7	251	245	97.6
Southfield	5,826	5,018	86.1	10	7	70.0	34	27	79.4	156	143	91.7	636	615	96.7	4,574	4,223	92.3
Southfield Twp.	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Springfield Twp.	492	464	94.3	0	0	0.0	5	3	60.0	20	16	80.0	60	52	86.7	399	393	98.5
Sylvan Lake	120	113	94.2	0	0	0.0	0	0	0.0	9	8	88.9	7	7	100.0	100	98	98.0
Troy	6,299	5,936	94.2	0	0	0.0	59	49	83.1	177	164	92.7	532	520	97.7	5,259	5,202	98.9
Walled Lake	351	314	89.5	0	0	0.0	2	2	100.0	13	11	84.6	40	37	92.5	273	264	96.7
Waterford Twp.	3,403	3,136	92.2	7	6	85.7	27	20	74.1	128	112	87.5	394	387	98.2	2,638	2,611	99.0
West Bloomfield Twp.	3,091	2,927	94.7	0	0	0.0	10	9	90.0	73	70	95.9	315	310	98.4	2,554	2,537	99.3
White Lake Twp.	1,119	1,034	92.4	1	1	100.0	4	4	100.0	59	50	84.7	124	120	96.8	873	859	98.4
Wixom	982	912	92.9	0	0	0.0	3	3	100.0	22	21	95.5	79	77	97.5	838	810	96.7
Wolverine Lake	117	112	95.7	0	0	0.0	2	2	100.0	1	1	100.0	10	10	100.0	99	99	100.0
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Oakland County TOTAL</b>	<b>68,629</b>	<b>62,649</b>	<b>91.3</b>	<b>51</b>	<b>27</b>	<b>52.9</b>	<b>440</b>	<b>342</b>	<b>77.7</b>	<b>2,038</b>	<b>1,848</b>	<b>90.7</b>	<b>6,708</b>	<b>6,477</b>	<b>96.6</b>	<b>55,156</b>	<b>53,927</b>	<b>97.8</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	81	0	15	66	0	22
February	49	0	10	39	0	11
March	54	0	8	46	0	10
April	40	0	5	35	0	5
May	60	0	7	53	0	11
June	70	0	10	60	0	14
July	87	0	28	59	0	42
August	53	0	17	36	0	23
September	77	0	18	59	0	24
October	89	0	11	78	0	16
November	91	0	9	82	0	12
December	67	0	11	56	0	13
<b>TOTAL</b>	<b>818</b>	<b>0</b>	<b>149</b>	<b>669</b>	<b>0</b>	<b>203</b>

In Oceana County in 2011 there were:  
818 crashes

Involving:

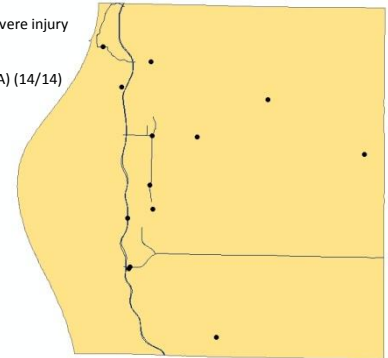
1,212 people

1,208 motor vehicle drivers and passengers

1 bicyclist

3 pedestrians

Crashes by most severe injury (mapped/actual)  
▲ Fatal (0/0)  
● Incapacitating (A) (14/14)



## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	5,787	140	2	3.5	142.9
16 - 20	1,785	1,349	104	582.6	770.9
21 - 64	14,473	13,566	725	500.9	534.4
65 +	4,525	4,419	107	236.5	242.1
Other/Unknown	--	--	21	--	--
<b>TOTAL</b>	<b>26,570</b>	<b>19,474</b>	<b>959</b>	<b>360.9</b>	<b>492.5</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Oceana County Experience

Oceana County did not experience a fatal crash.

Oceana County driver statistics indicate 6.9 percent of licensed drivers were age 16-20, and 10.8 percent of drivers in that age group were involved in crashes.

In Oceana County, motorcycles accounted for only 2.2 percent of the total vehicles in crashes, but were involved in 9.6 percent of the total injury crashes.

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	651	67.9	0	0.0	123	528
Van, motorhome	47	4.9	0	0.0	9	38
Pickup truck	173	18.0	0	0.0	29	144
Small truck under 10,000 lbs. GVWR	30	3.1	0	0.0	2	28
Cycle	21	2.2	0	0.0	19	2
Moped	8	0.8	0	0.0	8	0
Go 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)	0	0.0	0	0.0	0	0
Other	8	0.8	0	0.0	4	4
Truck/bus over 10,000 lbs.	16	1.7	0	0.0	4	12
Unknown	5	0.5	0	0.0	0	5
<b>TOTAL</b>	<b>959</b>	<b>100.0</b>	<b>0</b>	<b>0.0</b>	<b>198</b>	<b>761</b>



## Crash Type

	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	675	82.5	0	0.0	8	44	50	573
Head On	5	0.6	0	0.0	0	2	0	3
Head On - Left Turn	3	0.4	0	0.0	0	0	0	3
Angle	40	4.9	0	0.0	4	5	7	24
Rear End	28	3.4	0	0.0	0	6	6	16
Rear End - Left Turn	7	0.9	0	0.0	1	1	2	3
Rear End - Right Turn	3	0.4	0	0.0	0	1	0	2
Sideswipe - Same Direction	12	1.5	0	0.0	0	0	1	11
Sideswipe - Opposite Direct	14	1.7	0	0.0	0	2	3	9
Other/Unknown	31	3.8	0	0.0	1	2	3	25
<b>Total</b>	<b>818</b>	<b>100.0</b>	<b>0</b>	<b>0.0</b>	<b>14</b>	<b>63</b>	<b>72</b>	<b>669</b>

## Relationship to Roadway

Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	595	72.7	0	0.0	8	28	37	522
Median	2	0.2	0	0.0	1	0	0	1
Shoulder	68	8.3	0	0.0	0	9	8	51
Outside of Shoulder/Curb	142	17.4	0	0.0	5	26	25	86
Gore	2	0.2	0	0.0	0	0	0	2
Other/Unknown	9	1.1	0	0.0	0	0	2	7
<b>Total</b>	<b>818</b>	<b>100.0</b>	<b>0</b>	<b>0.0</b>	<b>14</b>	<b>63</b>	<b>72</b>	<b>669</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	Total drivers coded drinking	BAC Result Range for 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	1	1	0	1	0	0	0	0	1
21 - 64	33	26	24	28	0	2	6	9	11
65 +	1	1	1	1	0	0	1	0	0
Other/Unknown	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>35</b>	<b>28</b>	<b>25</b>	<b>30</b>	<b>0</b>	<b>2</b>	<b>7</b>	<b>9</b>	<b>12</b>

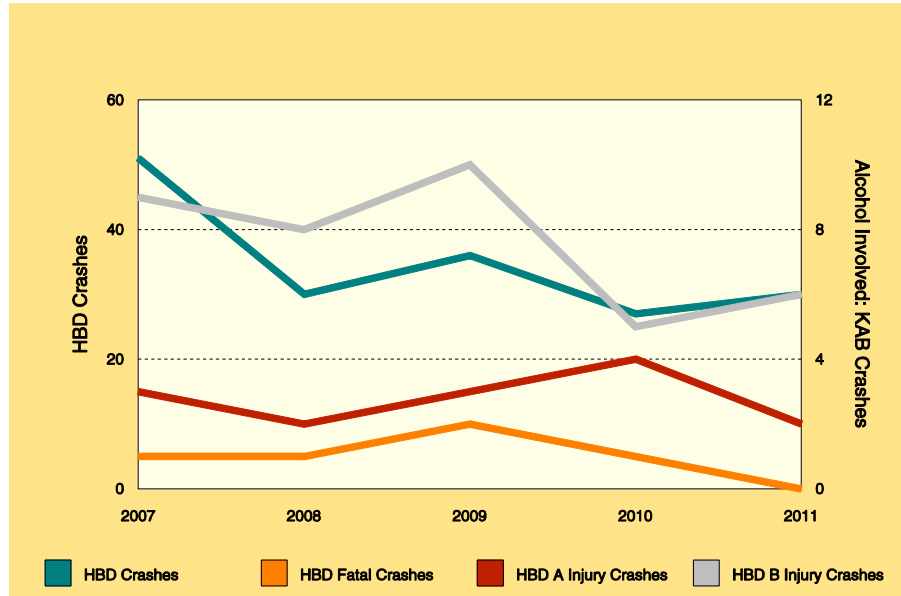
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

OCEANA	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	1,039	51	4.9	2	1	50.0	25	3	12.0	56	9	16.1
2008	1,091	30	2.8	4	1	25.0	14	2	14.3	62	8	12.9
2009	981	36	3.7	4	2	50.0	15	3	20.0	49	10	20.4
2010	882	27	3.1	4	1	25.0	17	4	23.5	55	5	9.1
2011	818*	30	3.7	0*	0*	0.0	14	2	14.3	63**	6	9.5

\* Lowest number reported in the 5-year period. \*\* Highest number reported in the 5-year period.

**Restraint use among reported vehicle occupants by vehicle type**

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	698	658	94.3	0	0	0.0	9	7	77.8	46	40	87.0	72	68	94.4	558	542	97.1
Van, motorhome	55	46	83.6	0	0	0.0	2	2	100.0	3	1	33.3	8	6	75.0	41	37	90.2
Pickup truck	176	168	95.5	0	0	0.0	2	1	50.0	9	7	77.8	13	13	100.0	150	147	98.0
Small truck under 10,000 lbs. GVWR	32	32	100.0	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0	30	30	100.0
Cycle	21	20	95.2	0	0	0.0	2	2	100.0	10	9	90.0	7	7	100.0	2	2	100.0
Moped	8	3	37.5	0	0	0.0	0	0	0.0	8	3	37.5	0	0	0.0	0	0	0.0
Go 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	100.0	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)	0	0	33.3	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Other	10	2	20.0	0	0	0.0	0	0	0.0	3	0	0.0	1	0	0.0	6	2	33.3
Truck/bus over 10,000 lbs.	18	15	83.3	0	0	0.0	0	0	0.0	0	0	0.0	3	0	0.0	15	15	100.0
Uncoded & errors	5	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>TOTAL</b>	<b>1,023</b>	<b>944</b>	<b>92.3</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>15</b>	<b>12</b>	<b>80.0</b>	<b>79</b>	<b>60</b>	<b>75.9</b>	<b>106</b>	<b>96</b>	<b>90.6</b>	<b>802</b>	<b>775</b>	<b>96.6</b>

**Restraint use among reported vehicle occupants by age**

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	16	14	87.5	0	0	0.0	0	0	0.0	4	4	100.0	10	8	80.0	2	2	100.0
16 - 20	123	111	90.2	0	0	0.0	3	3	100.0	16	10	62.5	17	15	88.2	87	83	95.4
21 - 64	751	710	94.5	0	0	0.0	10	8	80.0	53	41	77.4	69	63	91.3	618	598	96.8
65 +	112	109	97.3	0	0	0.0	2	1	50.0	6	5	83.3	10	10	100.0	93	92	98.9
Other/Unknown	21	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	2	0	0.0
<b>TOTAL</b>	<b>1,023</b>	<b>944</b>	<b>92.3</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>15</b>	<b>12</b>	<b>80.0</b>	<b>79</b>	<b>60</b>	<b>75.9</b>	<b>106</b>	<b>96</b>	<b>90.6</b>	<b>802</b>	<b>775</b>	<b>96.6</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Benona Twp.	1	1	1	1	0	0	1	0	0
Clay Banks Twp.	0	0	0	0	0	0	0	0	0
Colfax Twp.	1	1	1	1	0	0	1	0	0
Crystal Twp.	0	0	0	0	0	0	0	0	0
Elbridge Twp.	2	3	2	2	0	0	1	0	1
Ferry Twp.	0	0	0	0	0	0	0	0	0
Golden Twp.	1	0	0	1	0	0	0	0	1
Grant Twp.	3	3	2	2	0	0	0	2	0
Greenwood Twp.	4	3	3	3	0	1	1	0	1
Hart	1	1	1	1	0	0	0	0	1
Hart Twp.	8	7	6	6	0	0	0	4	2
Hesperia	0	0	0	0	0	0	0	0	0
Leavitt Twp.	3	2	2	3	0	0	2	0	1
New Era	0	0	0	0	0	0	0	0	0
Newfield Twp.	3	2	2	3	0	0	0	1	2
Otto Twp.	1	1	1	1	0	0	0	0	1
Pentwater	1	1	1	1	0	1	0	0	0
Pentwater Twp.	0	0	0	0	0	0	0	0	0
Rothbury	0	0	0	0	0	0	0	0	0
Shelby	0	0	0	0	0	0	0	0	0
Shelby Twp.	3	1	1	2	0	0	1	0	1
Walkerville	0	0	0	0	0	0	0	0	0
Weare Twp.	3	2	2	3	0	0	0	2	1
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Oceana County TOTAL</b>	<b>35</b>	<b>28</b>	<b>25</b>	<b>30</b>	<b>0</b>	<b>2</b>	<b>7</b>	<b>9</b>	<b>12</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Benona Twp.	22	0	0	5	1	0	0	1	4	0	0	3
Clay Banks Twp.	16	0	0	1	0	0	0	0	3	0	0	1
Colfax Twp.	19	0	0	4	1	0	0	0	4	0	0	3
Crystal Twp.	34	0	0	2	0	0	0	0	7	0	0	2
Elbridge Twp.	41	0	0	11	2	0	0	0	5	0	0	3
Ferry Twp.	34	0	0	5	0	0	0	0	2	0	0	0
Golden Twp.	34	0	0	6	1	0	0	1	5	0	0	1
Grant Twp.	90	0	0	29	2	0	0	2	16	0	0	11
Greenwood Twp.	29	0	0	12	3	0	0	0	4	0	0	4
Hart	56	0	0	17	1	0	0	0	3	0	0	0
Hart Twp.	96	0	0	24	6	0	0	3	22	0	0	9
Hesperia	5	0	0	1	0	0	0	0	0	0	0	0
Leavitt Twp.	34	0	0	9	3	0	0	3	5	0	0	5
New Era	6	0	0	1	0	0	0	0	0	0	0	0
Newfield Twp.	38	0	0	11	3	0	0	1	5	0	0	3
Otto Twp.	16	0	0	5	1	0	0	1	1	0	0	1
Pentwater	12	0	0	1	1	0	0	1	1	0	0	0
Pentwater Twp.	46	0	0	4	0	0	0	0	6	0	0	3
Rothbury	3	0	0	1	0	0	0	0	0	0	0	0
Shelby	5	0	0	3	0	0	0	0	0	0	0	0
Shelby Twp.	87	0	0	29	2	0	0	2	22	0	0	10
Walkerville	3	0	0	2	0	0	0	0	2	0	0	1
Weare Twp.	92	0	0	20	3	0	0	2	10	0	0	2
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Oceana County TOTAL</b>	<b>818</b>	<b>0</b>	<b>0</b>	<b>203</b>	<b>30</b>	<b>0</b>	<b>0</b>	<b>17</b>	<b>127</b>	<b>0</b>	<b>0</b>	<b>62</b>

Restraint use among reported vehicle occupants by municipality

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Benona Twp.	27	24	88.9	0	0	0.0	0	0	0.0	1	0	0.0	4	4	100.0	22	20	90.9
Clay Banks Twp.	18	18	100.0	0	0	0.0	0	0	0.0	1	1	100.0	0	0	0.0	17	17	100.0
Colfax Twp.	22	19	86.4	0	0	0.0	0	0	0.0	3	3	100.0	1	1	100.0	15	15	100.0
Crystal Twp.	37	34	91.9	0	0	0.0	0	0	0.0	1	0	0.0	1	1	100.0	35	33	94.3
Elbridge Twp.	48	47	97.9	0	0	0.0	2	2	100.0	5	5	100.0	4	4	100.0	37	36	97.3
Ferry Twp.	36	36	100.0	0	0	0.0	0	0	0.0	1	1	100.0	4	4	100.0	31	31	100.0
Golden Twp.	46	43	93.5	0	0	0.0	0	0	0.0	5	3	60.0	1	1	100.0	39	39	100.0
Grant Twp.	111	99	89.2	0	0	0.0	1	0	0.0	15	11	73.3	13	12	92.3	79	76	96.2
Greenwood Twp.	37	32	86.5	0	0	0.0	0	0	0.0	4	4	100.0	8	6	75.0	25	22	88.0
Hart	94	81	86.2	0	0	0.0	3	3	100.0	4	4	100.0	10	10	100.0	68	64	94.1
Hart Twp.	119	112	94.1	0	0	0.0	1	1	100.0	4	3	75.0	19	16	84.2	95	92	96.8
Hesperia	8	8	100.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	6	6	100.0
Leavitt Twp.	37	35	94.6	0	0	0.0	1	1	100.0	2	2	100.0	5	5	100.0	28	27	96.4
New Era	10	9	90.0	0	0	0.0	0	0	0.0	1	1	100.0	0	0	0.0	8	8	100.0
Newfield Twp.	44	42	95.5	0	0	0.0	0	0	0.0	6	5	83.3	5	5	100.0	33	32	97.0
Otto Twp.	19	18	94.7	0	0	0.0	1	1	100.0	2	1	50.0	2	2	100.0	14	14	100.0
Pentwater	18	16	88.9	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	17	16	94.1
Pentwater Twp.	54	50	92.6	0	0	0.0	0	0	0.0	4	1	25.0	0	0	0.0	49	49	100.0
Rothbury	4	4	100.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	3	3	100.0
Shelby	8	7	87.5	0	0	0.0	1	1	100.0	0	0	0.0	1	0	0.0	6	6	100.0
Shelby Twp.	110	101	91.8	0	0	0.0	3	2	66.7	12	10	83.3	14	11	78.6	81	78	96.3
Walkerville	3	2	66.7	0	0	0.0	0	0	0.0	1	0	0.0	1	1	100.0	1	1	100.0
Weare Twp.	113	107	94.7	0	0	0.0	2	1	50.0	7	5	71.4	11	11	100.0	93	90	96.8
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Oceana County TOTAL</b>	<b>1,023</b>	<b>944</b>	<b>92.3</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>15</b>	<b>12</b>	<b>80.0</b>	<b>79</b>	<b>60</b>	<b>75.9</b>	<b>106</b>	<b>96</b>	<b>90.6</b>	<b>802</b>	<b>775</b>	<b>96.6</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	79	0	8	71	0	9
February	55	1	5	49	1	6
March	68	0	7	61	0	7
April	59	0	12	47	0	19
May	52	0	4	48	0	4
June	70	1	9	60	2	10
July	69	0	18	51	0	25
August	58	0	16	42	0	20
September	66	0	12	54	0	18
October	86	0	7	79	0	8
November	96	1	9	86	1	12
December	98	0	18	80	0	25
<b>TOTAL</b>	<b>856</b>	<b>3</b>	<b>125</b>	<b>728</b>	<b>4</b>	<b>163</b>

In Ogemaw County in 2011 there were:  
856 crashes

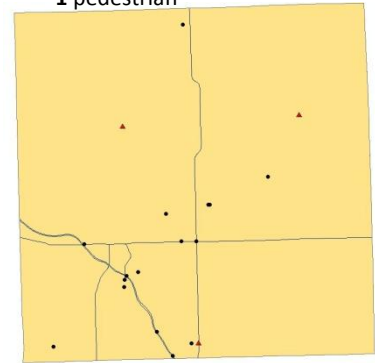
Involving:

1,194 people

1,192 motor vehicle drivers and passengers

1 bicyclist

1 pedestrian



Crashes by most severe injury (mapped/actual)

▲ Fatal (3/3)

● Incapacitating (A) (16/16)

## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	3,797	116	1	2.6	86.2
16 - 20	1,316	1,073	127	965.0	1183.6
21 - 64	11,821	11,207	746	631.1	665.7
65 +	4,765	4,441	130	272.8	292.7
Other/Unknown	--	--	21	--	--
<b>TOTAL</b>	<b>21,699</b>	<b>16,837</b>	<b>1,025</b>	<b>472.4</b>	<b>608.8</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	708	69.1	2	50.0	94	612
Van, motorhome	35	3.4	0	0.0	6	29
Pickup truck	227	22.1	1	25.0	46	180
Small truck under 10,000 lbs. GVWR	15	1.5	0	0.0	4	11
Cycle	13	1.3	0	0.0	11	2
Moped	0	0.0	0	0.0	0	0
Go Cart	0	0.0	0	0.0	0	0
Snowmobile	1	0.1	0	0.0	1	0
Off-Road Vehicle (ORV) / All-Terrain Vehicle (ATV)	2	0.2	0	0.0	1	1
Other	4	0.4	0	0.0	2	2
Truck/bus over 10,000 lbs.	13	1.3	1	25.0	5	7
Unknown	7	0.7	0	0.0	1	6
<b>TOTAL</b>	<b>1,025</b>	<b>100.0</b>	<b>4</b>	<b>100.0</b>	<b>171</b>	<b>850</b>

## Ogemaw County Experience

Ogemaw County experienced the highest number of fatal crashes (1) in February, June, and November, and the highest number of persons killed (2) in June.

Ogemaw County driver statistics indicate 6.4 percent of licensed drivers were age 16-20, and 12.4 percent of drivers in that age group were involved in crashes.



## Crash Type

	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	690	80.6	2	66.7	10	26	44	608
Head On	3	0.4	0	0.0	0	0	1	2
Head On - Left Turn	5	0.6	0	0.0	1	0	0	4
Angle	50	5.8	1	33.3	3	2	10	34
Rear End	47	5.5	0	0.0	0	2	10	35
Rear End - Left Turn	7	0.8	0	0.0	0	0	2	5
Rear End - Right Turn	2	0.2	0	0.0	0	0	0	2
Sideswipe - Same Direction	19	2.2	0	0.0	1	0	3	15
Sideswipe - Opposite Direct	8	0.9	0	0.0	0	1	2	5
Other/Unknown	25	2.9	0	0.0	1	1	5	18
<b>Total</b>	<b>856</b>	<b>100.0</b>	<b>3</b>	<b>100.0</b>	<b>16</b>	<b>32</b>	<b>77</b>	<b>728</b>

## Relationship to Roadway

Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	665	77.7	1	33.3	7	11	42	604
Median	6	0.7	0	0.0	0	2	0	4
Shoulder	47	5.5	0	0.0	0	5	4	38
Outside of Shoulder/Curb	124	14.5	2	66.7	9	12	29	72
Gore	8	0.9	0	0.0	0	2	2	4
Other/Unknown	6	0.7	0	0.0	0	0	0	6
<b>Total</b>	<b>856</b>	<b>100.0</b>	<b>3</b>	<b>100.0</b>	<b>16</b>	<b>32</b>	<b>77</b>	<b>728</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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	4	5	4	4	0	2	2	0	0
21 - 64	21	29	16	17	0	3	5	4	5
65 +	1	3	1	1	0	0	0	1	0
Other/Unknown	1	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>27</b>	<b>37</b>	<b>21</b>	<b>22</b>	<b>0</b>	<b>5</b>	<b>7</b>	<b>5</b>	<b>5</b>

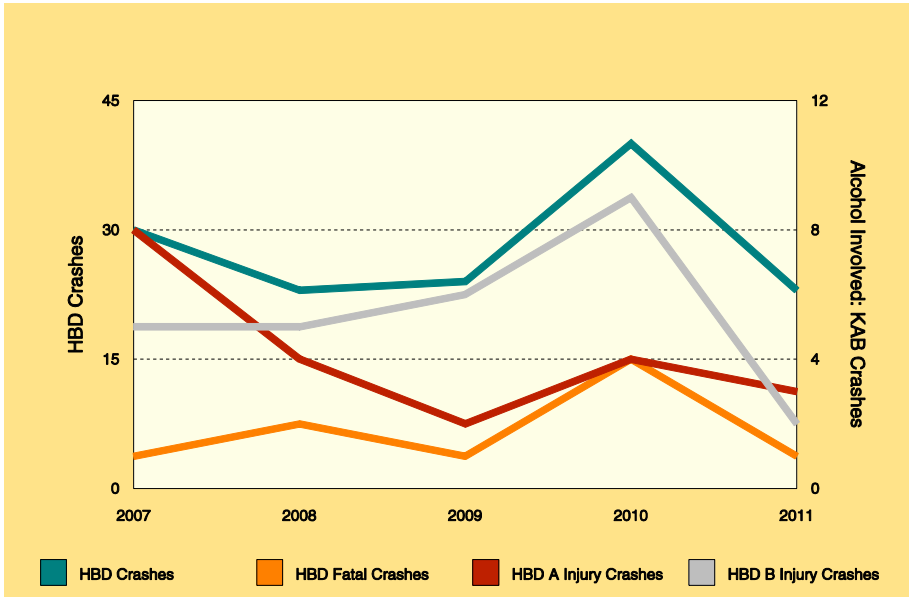
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

OGEMAW	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	1,004	30	3.0	4	1	25.0	30	8	26.7	37	5	13.5
2008	1,092	23	2.1	5	2	40.0	36	4	11.1	31	5	16.1
2009	973	24	2.5	1	1	100.0	26	2	7.7	33	6	18.2
2010	818	40	4.9	6	4	66.7	23	4	17.4	35	9	25.7
2011	856	23	2.7	3	1	33.3	16*	3	18.8	32	2*	6.3

\* Lowest number reported in the 5-year period.

**Restraint use among reported vehicle occupants by vehicle type**

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	739	696	94.2	3	2	66.7	9	5	55.6	20	18	90.0	74	70	94.6	628	601	95.7
Van, motorhome	36	35	97.2	0	0	0.0	0	0	0.0	2	2	100.0	3	2	66.7	31	31	100.0
Pickup truck	233	218	93.6	1	1	100.0	6	4	66.7	7	4	57.1	19	17	89.5	197	192	97.5
Small truck under 10,000 lbs. GVWR	17	17	100.0	0	0	0.0	0	0	0.0	1	1	100.0	3	3	100.0	13	13	100.0
Cycle	14	14	100.0	0	0	0.0	3	3	100.0	5	5	100.0	4	4	100.0	2	2	100.0
Moped	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	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	1	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	4	2	50.0	0	0	0.0	0	0	0.0	1	0	0.0	1	1	100.0	2	1	50.0
Truck/bus over 10,000 lbs.	13	11	84.6	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0	10	9	90.0
Uncoded & errors	7	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>TOTAL</b>	<b>1,066</b>	<b>995</b>	<b>93.3</b>	<b>4</b>	<b>3</b>	<b>75.0</b>	<b>19</b>	<b>13</b>	<b>68.4</b>	<b>36</b>	<b>30</b>	<b>83.3</b>	<b>106</b>	<b>99</b>	<b>93.4</b>	<b>884</b>	<b>850</b>	<b>96.2</b>

**Restraint use among reported vehicle occupants by age**

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	14	14	100.0	0	0	0.0	0	0	0.0	1	1	100.0	13	13	100.0	0	0	0.0
16 - 20	135	125	92.6	0	0	0.0	4	2	50.0	7	5	71.4	23	20	87.0	101	98	97.0
21 - 64	762	728	95.5	2	1	50.0	15	11	73.3	20	17	85.0	58	54	93.1	667	645	96.7
65 +	134	128	95.5	2	2	100.0	0	0	0.0	8	7	87.5	12	12	100.0	111	107	96.4
Other/Unknown	21	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	5	0	0.0
<b>TOTAL</b>	<b>1,066</b>	<b>995</b>	<b>93.3</b>	<b>4</b>	<b>3</b>	<b>75.0</b>	<b>19</b>	<b>13</b>	<b>68.4</b>	<b>36</b>	<b>30</b>	<b>83.3</b>	<b>106</b>	<b>99</b>	<b>93.4</b>	<b>884</b>	<b>850</b>	<b>96.2</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Churchill Twp.	3	4	3	3	0	0	1	1	1
Cummings Twp.	3	3	2	2	0	0	1	0	1
Edwards Twp.	0	0	0	0	0	0	0	0	0
Foster Twp.	1	0	0	0	0	0	0	0	0
Goodar Twp.	1	1	1	1	0	1	0	0	0
Hill Twp.	2	3	2	2	0	0	2	0	0
Horton Twp.	1	2	1	1	0	1	0	0	0
Klacking Twp.	4	4	3	3	0	1	0	2	0
Logan Twp.	0	2	0	0	0	0	0	0	0
Mills Twp.	3	5	2	2	0	1	1	0	0
Ogemaw Twp.	1	2	1	1	0	0	0	1	0
Prescott	0	0	0	0	0	0	0	0	0
Richland Twp.	1	1	1	1	0	1	0	0	0
Rose City	1	1	1	1	0	0	1	0	0
Rose Twp.	2	2	2	2	0	0	0	0	2
West Branch	2	1	0	1	0	0	0	0	1
West Branch Twp.	2	6	2	2	0	0	1	1	0
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Ogemaw County TOTAL</b>	<b>27</b>	<b>37</b>	<b>21</b>	<b>22</b>	<b>0</b>	<b>5</b>	<b>7</b>	<b>5</b>	<b>5</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Churchill Twp.	77	0	0	7	3	0	0	1	11	0	0	1
Cummings Twp.	33	0	0	6	2	0	0	1	3	0	0	1
Edwards Twp.	59	0	0	10	0	0	0	0	11	0	0	4
Foster Twp.	16	0	0	4	1	0	0	1	5	0	0	2
Goodar Twp.	8	0	0	1	1	0	0	1	2	0	0	1
Hill Twp.	26	1	1	3	2	0	0	1	4	0	0	2
Horton Twp.	113	0	0	41	1	0	0	1	34	0	0	17
Klacking Twp.	27	1	1	10	3	1	1	1	11	0	0	7
Logan Twp.	37	0	0	3	0	0	0	0	4	0	0	3
Mills Twp.	61	1	2	10	2	0	0	0	10	0	0	4
Ogemaw Twp.	98	0	0	7	1	0	0	1	20	0	0	4
Prescott	0	0	0	0	0	0	0	0	0	0	0	0
Richland Twp.	42	0	0	7	1	0	0	1	7	0	0	3
Rose City	14	0	0	7	1	0	0	0	1	0	0	0
Rose Twp.	46	0	0	11	2	0	0	2	4	0	0	2
West Branch	51	0	0	14	1	0	0	0	3	0	0	0
West Branch Twp.	148	0	0	22	2	0	0	1	21	0	0	4
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Ogemaw County TOTAL</b>	<b>856</b>	<b>3</b>	<b>4</b>	<b>163</b>	<b>23</b>	<b>1</b>	<b>1</b>	<b>12</b>	<b>151</b>	<b>0</b>	<b>0</b>	<b>55</b>

**Restraint use among reported vehicle occupants by municipality**

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Churchill Twp.	87	83	95.4	0	0	0.0	2	1	50.0	2	2	100.0	3	2	66.7	80	78	97.5
Cummings Twp.	37	37	100.0	0	0	0.0	1	1	100.0	1	1	100.0	4	4	100.0	31	31	100.0
Edwards Twp.	65	61	93.8	0	0	0.0	1	0	0.0	4	3	75.0	5	5	100.0	55	53	96.4
Foster Twp.	18	16	88.9	0	0	0.0	0	0	0.0	1	1	100.0	2	1	50.0	14	14	100.0
Goodar Twp.	8	8	100.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	7	7	100.0
Hill Twp.	27	25	92.6	1	1	100.0	0	0	0.0	1	1	100.0	2	2	100.0	23	21	91.3
Horton Twp.	142	134	94.4	0	0	0.0	7	5	71.4	7	5	71.4	27	27	100.0	99	97	98.0
Klacking Twp.	29	27	93.1	1	0	0.0	0	0	0.0	3	3	100.0	7	7	100.0	18	17	94.4
Logan Twp.	38	38	100.0	0	0	0.0	0	0	100.0	1	1	100.0	2	2	100.0	35	35	100.0
Mills Twp.	85	74	87.1	2	2	100.0	0	0	0.0	3	1	33.3	7	7	100.0	71	64	90.1
Ogemaw Twp.	111	101	91.0	0	0	0.0	1	1	100.0	0	0	0.0	6	4	66.7	101	96	95.0
Prescott	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Richland Twp.	47	46	97.9	0	0	0.0	0	0	0.0	1	1	100.0	6	5	83.3	40	40	100.0
Rose City	24	23	95.8	0	0	0.0	0	0	0.0	2	2	100.0	5	5	100.0	16	16	100.0
Rose Twp.	55	50	90.9	0	0	0.0	1	0	0.0	2	1	50.0	7	7	100.0	44	42	95.5
West Branch	99	88	88.9	0	0	0.0	0	0	0.0	2	2	100.0	12	12	100.0	81	74	91.4
West Branch Twp.	194	184	94.8	0	0	0.0	6	5	83.3	6	6	100.0	10	8	80.0	169	165	97.6
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Ogemaw County TOTAL</b>	<b>1,066</b>	<b>995</b>	<b>93.3</b>	<b>4</b>	<b>3</b>	<b>75.0</b>	<b>19</b>	<b>13</b>	<b>68.4</b>	<b>36</b>	<b>30</b>	<b>83.3</b>	<b>106</b>	<b>99</b>	<b>93.4</b>	<b>884</b>	<b>850</b>	<b>96.2</b>

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## Crash and Injuries by Month

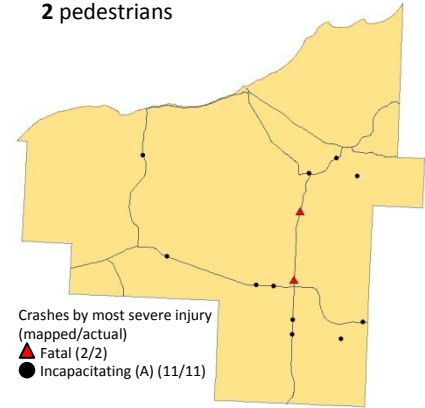
Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	26	0	3	23	0	3
February	17	0	4	13	0	7
March	27	1	3	23	1	3
April	21	0	2	19	0	2
May	28	0	2	26	0	2
June	36	0	4	32	0	5
July	26	0	2	24	0	2
August	29	0	5	24	0	11
September	41	0	2	39	0	3
October	56	0	5	51	0	5
November	63	0	6	57	0	9
December	41	1	2	38	1	3
<b>TOTAL</b>	<b>411</b>	<b>2</b>	<b>40</b>	<b>369</b>	<b>2</b>	<b>55</b>

In Ontonagon County in 2011 there were:  
**411** crashes

Involving:

**547** people

**545** motor vehicle drivers and passengers  
**2** pedestrians



## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	920	24	2	21.7	833.3
16 - 20	279	290	29	1039.4	1000.0
21 - 64	3,794	3,459	334	880.3	965.6
65 +	1,787	1,677	75	419.7	447.2
Other/Unknown	--	--	12	--	--
<b>TOTAL</b>	<b>6,780</b>	<b>5,450</b>	<b>452</b>	<b>666.7</b>	<b>829.4</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	280	61.9	2	66.7	31	247
Van, motorhome	30	6.6	0	0.0	3	27
Pickup truck	99	21.9	0	0.0	4	95
Small truck under 10,000 lbs. GVWR	14	3.1	0	0.0	0	14
Cycle	10	2.2	0	0.0	7	3
Moped	2	0.4	0	0.0	2	0
Go 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)	1	0.2	0	0.0	1	0
Other	5	1.1	0	0.0	0	5
Truck/bus over 10,000 lbs.	8	1.8	1	33.3	0	7
Unknown	3	0.7	0	0.0	0	3
<b>TOTAL</b>	<b>452</b>	<b>100.0</b>	<b>3</b>	<b>100.0</b>	<b>48</b>	<b>401</b>

## Ontonagon County Experience

Ontonagon County experienced the highest number of fatal crashes (1) and the highest number of persons killed (1) in March and December.

Ontonagon County driver statistics indicate 5.3 percent of licensed drivers were age 16-20, and 6.4 percent of drivers in that age group were involved in crashes



Crash Type								
	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	369	89.8	1	50.0	8	7	17	336
Head On	1	0.2	1	50.0	0	0	0	0
Head On - Left Turn	0	0.0	0	0.0	0	0	0	0
Angle	10	2.4	0	0.0	2	0	1	7
Rear End	3	0.7	0	0.0	0	0	1	2
Rear End - Left Turn	0	0.0	0	0.0	0	0	0	0
Rear End - Right Turn	2	0.5	0	0.0	0	0	1	1
Sideswipe - Same Direction	8	1.9	0	0.0	0	0	0	8
Sideswipe - Opposite Direct	0	0.0	0	0.0	0	0	0	0
Other/Unknown	18	4.4	0	0.0	1	1	1	15
<b>Total</b>	<b>411</b>	<b>100.0</b>	<b>2</b>	<b>100.0</b>	<b>11</b>	<b>8</b>	<b>21</b>	<b>369</b>

Relationship to Roadway								
Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	317	77.1	2	100.0	6	4	9	296
Median	0	0.0	0	0.0	0	0	0	0
Shoulder	11	2.7	0	0.0	1	0	2	8
Outside of Shoulder/Curb	35	8.5	0	0.0	4	3	7	21
Gore	1	0.2	0	0.0	0	0	1	0
Other/Unknown	47	11.4	0	0.0	0	1	2	44
<b>Total</b>	<b>411</b>	<b>100.0</b>	<b>2</b>	<b>100.0</b>	<b>11</b>	<b>8</b>	<b>21</b>	<b>369</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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	1	1	1	1	0	1	0	0	0
21 - 64	14	15	10	10	0	2	1	0	7
65 +	0	2	0	0	0	0	0	0	0
Other/Unknown	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>15</b>	<b>18</b>	<b>11</b>	<b>11</b>	<b>0</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>7</b>

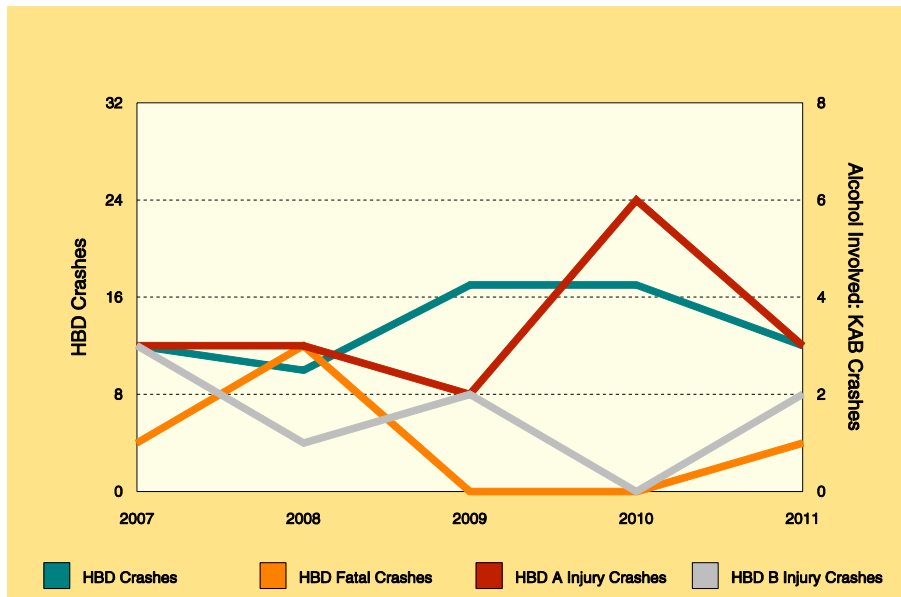
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

ONTONAGON	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	418	12	2.9	2	1	50.0	6	3	50.0	17	3	17.7
2008	352	10	2.8	3	3	100.0	10	3	30.0	8	1	12.5
2009	341	17	5.0	0	0	100.0	9	2	22.2	15	2	13.3
2010	306	17	5.6	0	0	0.0	14	6	42.9	4	0	0.0
2011	411	12	2.9	2	1	50.0	11	3	27.3	8	2	25.0

## Restraint use among reported vehicle occupants by vehicle type

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	290	274	94.5	1	1	100.0	3	2	66.7	6	5	83.3	23	22	95.7	248	242	97.6
Van, motorhome	30	28	93.3	0	0	0.0	1	0	0.0	1	0	0.0	1	1	100.0	27	27	100.0
Pickup truck	101	96	95.0	0	0	0.0	1	1	100.0	0	0	0.0	4	4	100.0	94	91	96.8
Small truck under 10,000 lbs. GVWR	14	14	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	14	14	100.0
Cycle	13	11	84.6	0	0	0.0	7	7	100.0	3	3	100.0	0	0	0.0	2	1	50.0
Moped	2	2	100.0	0	0	0.0	1	1	100.0	1	1	100.0	0	0	0.0	0	0	0.0
Go 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)	1	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0	0	0	0.0	0	0	0.0
Other	5	3	60.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	5	3	60.0
Truck/bus over 10,000 lbs.	8	8	100.0	0	0	0.0	0	0	0.0	1	1	100.0	0	0	0.0	7	7	100.0
Uncoded & errors	3	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>TOTAL</b>	<b>467</b>	<b>436</b>	<b>93.4</b>	<b>1</b>	<b>1</b>	<b>100.0</b>	<b>13</b>	<b>11</b>	<b>84.6</b>	<b>13</b>	<b>10</b>	<b>76.9</b>	<b>28</b>	<b>27</b>	<b>96.4</b>	<b>397</b>	<b>385</b>	<b>97.0</b>

## Restraint use among reported vehicle occupants by age

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	5	4	80.0	0	0	0.0	1	1	100.0	2	1	50.0	1	1	100.0	1	1	100.0
16 - 20	33	31	93.9	0	0	0.0	0	0	0.0	0	0	0.0	7	6	85.7	26	25	96.2
21 - 64	341	328	96.2	1	1	100.0	11	9	81.8	10	8	80.0	16	16	100.0	300	292	97.3
65 +	76	73	96.1	0	0	0.0	1	1	100.0	1	1	100.0	4	4	100.0	70	67	95.7
Other/Unknown	12	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>TOTAL</b>	<b>467</b>	<b>436</b>	<b>93.4</b>	<b>1</b>	<b>1</b>	<b>100.0</b>	<b>13</b>	<b>11</b>	<b>84.6</b>	<b>13</b>	<b>10</b>	<b>76.9</b>	<b>28</b>	<b>27</b>	<b>96.4</b>	<b>397</b>	<b>385</b>	<b>97.0</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Bergland Twp.	0	1	0	0	0	0	0	0	0
Bohemia Twp.	0	0	0	0	0	0	0	0	0
Carp Lake Twp.	0	0	0	0	0	0	0	0	0
Greenland Twp.	4	4	3	3	0	2	1	0	0
Haight Twp.	3	2	2	2	0	0	0	0	2
Interior Twp.	2	1	1	1	0	0	0	0	1
Matchwood Twp.	0	0	0	0	0	0	0	0	0
McMillan Twp.	0	0	0	0	0	0	0	0	0
Ontonagon	0	1	0	0	0	0	0	0	0
Ontonagon Twp.	1	1	1	1	0	0	0	0	1
Rockland Twp.	3	4	3	3	0	1	0	0	2
Stannard Twp.	2	4	1	1	0	0	0	0	1
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Ontonagon County TOTAL</b>	<b>15</b>	<b>18</b>	<b>11</b>	<b>11</b>	<b>0</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>7</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Bergland Twp.	30	0	0	3	0	0	0	0	5	0	0	2
Bohemia Twp.	7	0	0	2	0	0	0	0	3	0	0	2
Carp Lake Twp.	32	0	0	1	0	0	0	0	2	0	0	1
Greenland Twp.	42	0	0	11	3	0	0	2	7	0	0	3
Haight Twp.	38	0	0	12	2	0	0	3	4	0	0	3
Interior Twp.	26	0	0	3	1	0	0	2	1	0	0	0
Matchwood Twp.	23	0	0	2	0	0	0	0	0	0	0	0
McMillan Twp.	34	0	0	6	0	0	0	0	1	0	0	0
Ontonagon	25	0	0	3	0	0	0	0	2	0	0	0
Ontonagon Twp.	52	0	0	1	1	0	0	0	2	0	0	0
Rockland Twp.	17	0	0	3	3	0	0	2	3	0	0	1
Stannard Twp.	85	2	2	8	2	1	1	0	3	1	1	0
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Ontonagon County TOTAL</b>	<b>411</b>	<b>2</b>	<b>2</b>	<b>55</b>	<b>12</b>	<b>1</b>	<b>1</b>	<b>9</b>	<b>33</b>	<b>1</b>	<b>1</b>	<b>12</b>

## Restraint use among reported vehicle occupants by municipality

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Bergland Twp.	35	34	97.1	0	0	0.0	0	0	0.0	0	0	0.0	3	3	100.0	32	31	96.9
Bohemia Twp.	9	9	100.0	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0	7	7	100.0
Carp Lake Twp.	34	32	94.1	0	0	0.0	1	1	100.0	0	0	0.0	0	0	0.0	33	31	93.9
Greenland Twp.	52	50	96.2	0	0	0.0	2	2	100.0	0	0	0.0	9	9	100.0	38	37	97.4
Haight Twp.	41	40	97.6	0	0	0.0	3	3	100.0	3	2	66.7	6	6	100.0	29	29	100.0
Interior Twp.	28	27	96.4	0	0	0.0	2	1	50.0	1	1	100.0	0	0	0.0	25	25	100.0
Matchwood Twp.	25	23	92.0	0	0	0.0	1	1	100.0	0	0	0.0	1	1	100.0	23	21	91.3
McMillan Twp.	39	38	97.4	0	0	0.0	2	2	100.0	2	2	100.0	2	2	100.0	33	32	97.0
Ontonagon	39	27	69.2	0	0	0.0	0	0	0.0	0	0	0.0	2	1	50.0	27	26	96.3
Ontonagon Twp.	55	51	92.7	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	53	50	94.3
Rockland Twp.	19	17	89.5	0	0	0.0	1	0	0.0	1	1	100.0	1	1	100.0	15	15	100.0
Stannard Twp.	91	88	96.7	1	1	100.0	1	1	100.0	6	4	66.7	1	1	100.0	82	81	98.8
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Ontonagon County TOTAL</b>	<b>467</b>	<b>436</b>	<b>93.4</b>	<b>1</b>	<b>1</b>	<b>100.0</b>	<b>13</b>	<b>11</b>	<b>84.6</b>	<b>13</b>	<b>10</b>	<b>76.9</b>	<b>28</b>	<b>27</b>	<b>96.4</b>	<b>397</b>	<b>385</b>	<b>97.0</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	95	0	12	83	0	17
February	86	0	15	71	0	23
March	94	0	11	83	0	11
April	77	0	8	69	0	13
May	70	0	5	65	0	5
June	91	0	7	84	0	12
July	82	2	19	61	2	31
August	72	0	19	53	0	22
September	68	1	7	60	1	8
October	120	0	11	109	0	13
November	148	0	13	135	0	18
December	126	0	12	114	0	16
<b>TOTAL</b>	<b>1,129</b>	<b>3</b>	<b>139</b>	<b>987</b>	<b>3</b>	<b>189</b>

In Osceola County in 2010 there were:

1,129 crashes

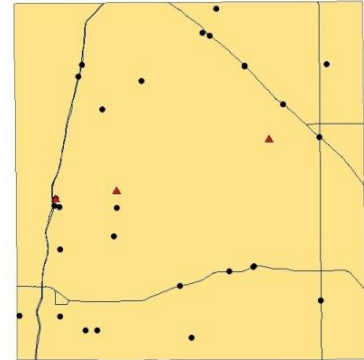
Involving:

1,550 people

1,542 motor vehicle drivers and passengers

3 bicyclists

5 pedestrians



Crashes by most severe injury (mapped/actual)

▲ Fatal (3/3)

● Incapacitating (A) (28/28)

## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	5,050	111	4	7.9	360.4
16 - 20	1,617	1,265	131	810.1	1035.6
21 - 64	12,853	12,021	994	773.4	826.9
65 +	4,008	3,667	136	339.3	370.9
Other/Unknown	--	--	32	--	--
<b>TOTAL</b>	<b>23,528</b>	<b>17,064</b>	<b>1,297</b>	<b>551.3</b>	<b>760.1</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	858	66.2	4	100.0	110	744
Van, motorhome	65	5.0	0	0.0	10	55
Pickup truck	265	20.4	0	0.0	34	231
Small truck under 10,000 lbs. GVWR	44	3.4	0	0.0	6	38
Cycle	14	1.1	0	0.0	10	4
Moped	2	0.2	0	0.0	2	0
Go Cart	0	0.0	0	0.0	0	0
Snowmobile	1	0.1	0	0.0	1	0
Off-Road Vehicle (ORV) / All-Terrain Vehicle (ATV)	8	0.6	0	0.0	6	2
Other	8	0.6	0	0.0	2	6
Truck/bus over 10,000 lbs.	18	1.4	0	0.0	5	13
Unknown	14	1.1	0	0.0	0	14
<b>TOTAL</b>	<b>1,297</b>	<b>100.0</b>	<b>4</b>	<b>100.0</b>	<b>186</b>	<b>1,107</b>

## Osceola County Experience

Osceola County experienced the highest number of fatal crashes (2) and the highest number of persons killed (2) in July.

Osceola County driver statistics indicate 7.4 percent of licensed drivers were age 16-20, and 10.1 percent of drivers in that age group were involved in crashes.



## Crash Type

	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	961	85.1	2	66.7	16	35	41	867
Head On	1	0.1	0	0.0	0	0	1	0
Head On - Left Turn	7	0.6	0	0.0	0	3	2	2
Angle	60	5.3	1	33.3	5	3	10	41
Rear End	33	2.9	0	0.0	1	1	7	24
Rear End - Left Turn	4	0.4	0	0.0	0	2	0	2
Rear End - Right Turn	3	0.3	0	0.0	0	0	0	3
Sideswipe - Same Direction	15	1.3	0	0.0	1	0	1	13
Sideswipe - Opposite Direct	8	0.7	0	0.0	1	1	0	6
Other/Unknown	37	3.3	0	0.0	4	0	4	29
<b>Total</b>	<b>1,129</b>	<b>100.0</b>	<b>3</b>	<b>100.0</b>	<b>28</b>	<b>45</b>	<b>66</b>	<b>987</b>

## Relationship to Roadway

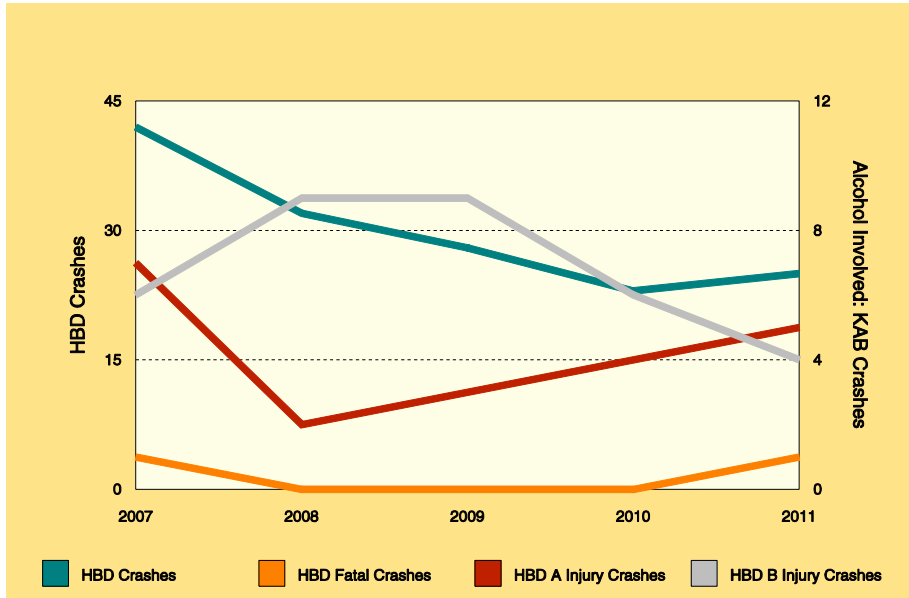
Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	885	78.4	2	66.7	14	20	33	816
Median	7	0.6	0	0.0	1	1	1	4
Shoulder	65	5.8	0	0.0	3	7	7	48
Outside of Shoulder/Curb	144	12.8	1	33.3	10	14	18	101
Gore	7	0.6	0	0.0	0	0	1	6
Other/Unknown	21	1.9	0	0.0	0	3	6	12
<b>Total</b>	<b>1,129</b>	<b>100.0</b>	<b>3</b>	<b>100.0</b>	<b>28</b>	<b>45</b>	<b>66</b>	<b>987</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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	4	3	3	3	1	0	0	1	1
21 - 64	24	26	19	22	0	5	3	1	13
65 +	1	1	1	1	0	0	0	0	1
Other/Unknown	2	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>31</b>	<b>30</b>	<b>23</b>	<b>26</b>	<b>1</b>	<b>5</b>	<b>3</b>	<b>2</b>	<b>15</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.

**Crashes Involving Alcohol**



OSCEOLA	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	1,246	42	3.4	4	1	25.0	34	7	20.6	48	6	12.5
2008	1,227	32	2.0	1	0	0.0	25	2	8.0	42	9	21.4
2009	1,151	28	2.4	3	0	0.0	21	3	14.3	50	9	18.0
2010	1,034	23	2.2	1	0	0.0	26	4	15.4	47	6	12.8
2011	1,129	25	2.2	3	1	33.3	28	5	17.9	45	4*	8.9

\* Lowest number reported in the 5-year period.

**Restraint use among reported vehicle occupants by vehicle type**

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	890	839	94.3	2	0	0.0	24	19	79.2	38	30	78.9	56	50	89.3	764	739	96.7
Van, motorhome	70	67	95.7	0	0	0.0	1	1	100.0	1	1	100.0	6	6	100.0	61	59	96.7
Pickup truck	270	250	92.6	0	0	0.0	1	1	100.0	7	5	71.4	20	20	100.0	236	224	94.9
Small truck under 10,000 lbs. GVWR	45	41	91.1	0	0	0.0	2	1	50.0	2	1	50.0	2	2	100.0	39	37	94.9
Cycle	17	16	94.1	0	0	0.0	7	6	85.7	6	6	100.0	0	0	0.0	4	4	100.0
Moped	2	2	100.0	0	0	0.0	1	1	100.0	1	1	100.0	0	0	0.0	0	0	0.0
Go 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	3	3	100.0	0	0	0.0	2	2	100.0	0	0	0.0	0	0	0.0	1	1	100.0
Off-Road Vehicle (ORV) /All-Terrain Vehicle (ATV)	9	8	88.9	0	0	0.0	0	0	0.0	3	2	66.7	3	3	100.0	3	3	100.0
Other	9	1	11.1	0	0	0.0	0	0	0.0	1	0	0.0	0	0	0.0	5	1	20.0
Truck/bus over 10,000 lbs.	18	16	88.9	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	18	16	88.9
Uncoded & errors	14	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>TOTAL</b>	<b>1,347</b>	<b>1,243</b>	<b>92.3</b>	<b>2</b>	<b>0</b>	<b>0.0</b>	<b>38</b>	<b>31</b>	<b>81.6</b>	<b>59</b>	<b>46</b>	<b>78.0</b>	<b>87</b>	<b>81</b>	<b>93.1</b>	<b>1,131</b>	<b>1,084</b>	<b>95.8</b>

**Restraint use among reported vehicle occupants by age**

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	17	15	88.2	0	0	0.0	2	2	100.0	4	3	75.0	9	8	88.9	2	2	100.0
16 - 20	142	133	93.7	0	0	0.0	8	6	75.0	7	5	71.4	15	14	93.3	112	108	96.4
21 - 64	1,015	959	94.5	2	0	0.0	22	17	77.3	40	30	75.0	51	47	92.2	899	864	96.1
65 +	141	136	96.5	0	0	0.0	6	6	100.0	8	8	100.0	12	12	100.0	115	110	95.7
Other/Unknown	32	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	3	0	0.0
<b>TOTAL</b>	<b>1,347</b>	<b>1,243</b>	<b>92.3</b>	<b>2</b>	<b>0</b>	<b>0.0</b>	<b>38</b>	<b>31</b>	<b>81.6</b>	<b>59</b>	<b>46</b>	<b>78.0</b>	<b>87</b>	<b>81</b>	<b>93.1</b>	<b>1,131</b>	<b>1,084</b>	<b>95.8</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers  
in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol- involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	Total drivers coded drinking	BAC Result Range for 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
Burdell Twp.	1	1	0	1	0	0	0	0	1
Cedar Twp.	1	2	1	1	0	0	0	1	0
Ewart	3	2	2	2	0	0	0	0	2
Ewart Twp.	0	1	0	0	0	0	0	0	0
Hartwick Twp.	1	1	1	1	0	0	0	0	1
Hersey	1	1	1	1	0	0	0	0	1
Hersey Twp.	4	4	4	4	0	1	0	0	3
Highland Twp.	2	2	2	2	0	1	0	0	1
LeRoy	0	0	0	0	0	0	0	0	0
LeRoy Twp.	2	3	2	2	0	0	2	0	0
Lincoln Twp.	1	2	1	1	0	0	0	0	1
Marion	0	0	0	0	0	0	0	0	0
Marion Twp.	2	0	0	1	0	0	0	0	1
Middle Branch Twp.	0	0	0	0	0	0	0	0	0
Orient Twp.	0	0	0	0	0	0	0	0	0
Osceola Twp.	1	1	1	1	0	0	0	0	1
Reed City	1	1	1	1	0	0	0	0	1
Richmond Twp.	2	2	1	1	0	1	0	0	0
Rose Lake Twp.	2	2	2	2	1	1	0	0	0
Sherman Twp.	7	5	4	5	0	1	1	1	2
Sylvan Twp.	0	0	0	0	0	0	0	0	0
Tustin	0	0	0	0	0	0	0	0	0
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Osceola County TOTAL</b>	<b>31</b>	<b>30</b>	<b>23</b>	<b>26</b>	<b>1</b>	<b>5</b>	<b>3</b>	<b>2</b>	<b>15</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Burdell Twp.	82	0	0	9	1	0	0	0	20	0	0	7
Cedar Twp.	13	1	1	4	1	0	0	1	2	0	0	1
Ewart	49	0	0	4	2	0	0	0	0	0	0	0
Ewart Twp.	51	0	0	7	0	0	0	0	8	0	0	2
Hartwick Twp.	50	1	1	1	1	1	1	0	2	1	1	0
Hersey	9	0	0	2	1	0	0	1	1	0	0	0
Hersey Twp.	67	0	0	12	4	0	0	3	8	0	0	5
Highland Twp.	88	0	0	20	2	0	0	1	16	0	0	6
LeRoy	9	0	0	0	0	0	0	0	2	0	0	0
LeRoy Twp.	81	0	0	18	2	0	0	1	17	0	0	9
Lincoln Twp.	75	1	1	16	1	0	0	1	18	0	0	6
Marion	5	0	0	0	0	0	0	0	0	0	0	0
Marion Twp.	47	0	0	4	1	0	0	1	9	0	0	2
Middle Branch Twp.	55	0	0	15	0	0	0	0	8	0	0	2
Orient Twp.	41	0	0	2	0	0	0	0	3	0	0	0
Osceola Twp.	58	0	0	10	1	0	0	0	9	0	0	4
Reed City	38	0	0	10	1	0	0	0	2	0	0	0
Richmond Twp.	164	0	0	29	1	0	0	0	31	0	0	9
Rose Lake Twp.	32	0	0	7	1	0	0	2	3	0	0	1
Sherman Twp.	75	0	0	14	5	0	0	2	14	0	0	4
Sylvan Twp.	36	0	0	4	0	0	0	0	6	0	0	0
Tustin	4	0	0	1	0	0	0	0	0	0	0	0
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Osceola County TOTAL</b>	<b>1,129</b>	<b>3</b>	<b>3</b>	<b>189</b>	<b>25</b>	<b>1</b>	<b>1</b>	<b>13</b>	<b>179</b>	<b>1</b>	<b>1</b>	<b>58</b>

Restraint use among reported vehicle occupants by municipality

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Burdell Twp.	85	81	95.3	0	0	0.0	2	1	50.0	2	1	50.0	5	5	100.0	76	74	97.4
Cedar Twp.	14	13	92.9	0	0	0.0	2	1	50.0	1	1	100.0	1	1	100.0	10	10	100.0
Ewart	82	58	70.7	0	0	0.0	1	1	100.0	2	2	100.0	1	1	100.0	72	54	75.0
Ewart Twp.	57	53	93.0	0	0	0.0	0	0	0.0	2	1	50.0	4	4	100.0	50	48	96.0
Hartwick Twp.	51	49	96.1	1	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	49	48	98.0
Hersey	12	9	75.0	0	0	0.0	0	0	0.0	0	0	0.0	2	1	50.0	10	8	80.0
Hersey Twp.	72	69	95.8	0	0	0.0	2	2	100.0	4	2	50.0	4	4	100.0	62	61	98.4
Highland Twp.	99	96	97.0	0	0	0.0	7	7	100.0	7	5	71.4	6	6	100.0	79	78	98.7
LeRoy	15	13	86.7	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	13	13	100.0
LeRoy Twp.	90	82	91.1	0	0	0.0	0	0	0.0	9	7	77.8	9	8	88.9	72	67	93.1
Lincoln Twp.	85	79	92.9	1	0	0.0	7	4	57.1	5	5	100.0	4	4	100.0	68	66	97.1
Marion	9	8	88.9	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	8	8	100.0
Marion Twp.	55	50	90.9	0	0	0.0	1	0	0.0	3	2	66.7	0	0	0.0	49	48	98.0
Middle Branch Twp.	71	64	90.1	0	0	0.0	2	2	100.0	5	4	80.0	8	7	87.5	54	51	94.4
Orient Twp.	42	42	100.0	0	0	0.0	1	1	100.0	0	0	0.0	1	1	100.0	40	40	100.0
Osceola Twp.	67	66	98.5	0	0	0.0	5	5	100.0	2	2	100.0	3	3	100.0	56	56	100.0
Reed City	62	49	79.0	0	0	0.0	0	0	0.0	2	2	100.0	7	7	100.0	43	40	93.0
Richmond Twp.	203	193	95.1	0	0	0.0	5	4	80.0	7	5	71.4	17	14	82.4	172	170	98.8
Rose Lake Twp.	36	34	94.4	0	0	0.0	1	1	100.0	1	1	100.0	5	5	100.0	27	26	96.3
Sherman Twp.	89	86	96.6	0	0	0.0	2	2	100.0	5	4	80.0	6	6	100.0	75	74	98.7
Sylvan Twp.	42	40	95.2	0	0	0.0	0	0	0.0	2	2	100.0	2	2	100.0	38	36	94.7
Tustin	9	9	100.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	8	8	100.0
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Osceola County TOTAL</b>	<b>1,347</b>	<b>1,243</b>	<b>92.3</b>	<b>2</b>	<b>0</b>	<b>0.0</b>	<b>38</b>	<b>31</b>	<b>81.6</b>	<b>59</b>	<b>46</b>	<b>78.0</b>	<b>87</b>	<b>81</b>	<b>93.1</b>	<b>1,131</b>	<b>1,084</b>	<b>95.8</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	25	0	3	22	0	3
February	19	0	3	16	0	5
March	20	0	3	17	0	4
April	12	0	1	11	0	2
May	25	1	4	20	1	4
June	18	0	3	15	0	5
July	23	1	3	19	1	4
August	25	0	8	17	0	13
September	21	0	1	20	0	2
October	37	0	5	32	0	7
November	47	0	3	44	0	3
December	32	0	3	29	0	4
<b>TOTAL</b>	<b>304</b>	<b>2</b>	<b>40</b>	<b>262</b>	<b>2</b>	<b>56</b>

In Oscoda County in 2011 there were:

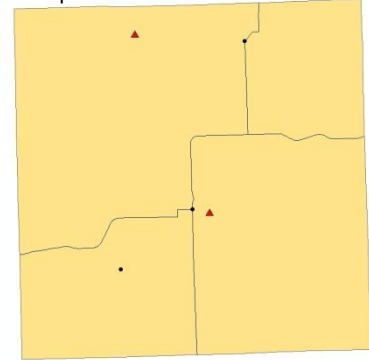
**304** crashes

Involving:

**413** people

**412** motor vehicle drivers and passengers

**1** pedestrian



Crashes by most severe injury (mapped/actual)

▲ Fatal (2/2)  
● Incapacitating (A) (3/3)

## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	1,504	30	0	0.0	0.0
16 - 20	491	373	40	814.7	1072.4
21 - 64	4,611	4,268	270	585.6	632.6
65 +	2,034	2,056	36	177.0	175.1
Other/Unknown	--	--	1	--	--
<b>TOTAL</b>	<b>8,640</b>	<b>6,727</b>	<b>347</b>	<b>401.6</b>	<b>515.8</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	224	64.6	1	33.3	26	197
Van, motorhome	7	2.0	0	0.0	2	5
Pickup truck	89	25.6	1	33.3	14	74
Small truck under 10,000 lbs. GVWR	6	1.7	0	0.0	1	5
Cycle	5	1.4	1	33.3	3	1
Moped	0	0.0	0	0.0	0	0
Go Cart	0	0.0	0	0.0	0	0
Snowmobile	1	0.3	0	0.0	1	0
Off-Road Vehicle (ORV) / All-Terrain Vehicle (ATV)	5	1.4	0	0.0	5	0
Other	2	0.6	0	0.0	0	2
Truck/bus over 10,000 lbs.	7	2.0	0	0.0	3	4
Unknown	1	0.3	0	0.0	1	0
<b>TOTAL</b>	<b>347</b>	<b>100.0</b>	<b>3</b>	<b>100.0</b>	<b>56</b>	<b>288</b>

## Oscoda County Experience

Oscoda County experienced the highest number of fatal crashes (1) and the highest number of persons killed (1) in May and July.

Oscoda County driver statistics indicate 5.5 percent of licensed drivers were age 16-20, and 11.5 percent of drivers in that age group were involved in crashes.



Crash Type								
	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	259	85.2	1	50.0	2	12	10	234
Head On	3	1.0	1	50.0	0	1	0	1
Head On - Left Turn	1	0.3	0	0.0	0	0	1	0
Angle	8	2.6	0	0.0	1	1	1	5
Rear End	8	2.6	0	0.0	0	3	0	5
Rear End - Left Turn	0	0.0	0	0.0	0	0	0	0
Rear End - Right Turn	3	1.0	0	0.0	0	0	3	0
Sideswipe - Same Direction	5	1.6	0	0.0	0	0	0	5
Sideswipe - Opposite Direct	7	2.3	0	0.0	0	1	1	5
Other/Unknown	10	3.3	0	0.0	0	2	1	7
<b>Total</b>	<b>304</b>	<b>100.0</b>	<b>2</b>	<b>100.0</b>	<b>3</b>	<b>20</b>	<b>17</b>	<b>262</b>

Relationship to Roadway								
Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	226	74.3	1	50.0	1	11	8	205
Median	0	0.0	0	0.0	0	0	0	0
Shoulder	35	11.5	1	50.0	0	5	0	29
Outside of Shoulder/Curb	39	12.8	0	0.0	1	2	8	28
Gore	0	0.0	0	0.0	0	0	0	0
Other/Unknown	4	1.3	0	0.0	1	2	1	0
<b>Total</b>	<b>304</b>	<b>100.0</b>	<b>2</b>	<b>100.0</b>	<b>3</b>	<b>20</b>	<b>17</b>	<b>262</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	Total drivers coded drinking	BAC Result Range for Drivers Coded Drinking				
					BAC = 0.00	BAC 0.01 g/dL to 0.07 g/dL	BAC 0.08 g/dL to 0.16 g/dL	BAC 0.17 g/dL and above	BAC not reported
0 - 15	0	0	0	0	0	0	0	0	0
16 - 20	2	4	2	2	0	1	1	0	0
21 - 64	11	14	9	9	0	0	3	5	1
65 +	0	0	0	0	0	0	0	0	0
Other/Unknown	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>13</b>	<b>18</b>	<b>11</b>	<b>11</b>	<b>0</b>	<b>1</b>	<b>4</b>	<b>5</b>	<b>1</b>

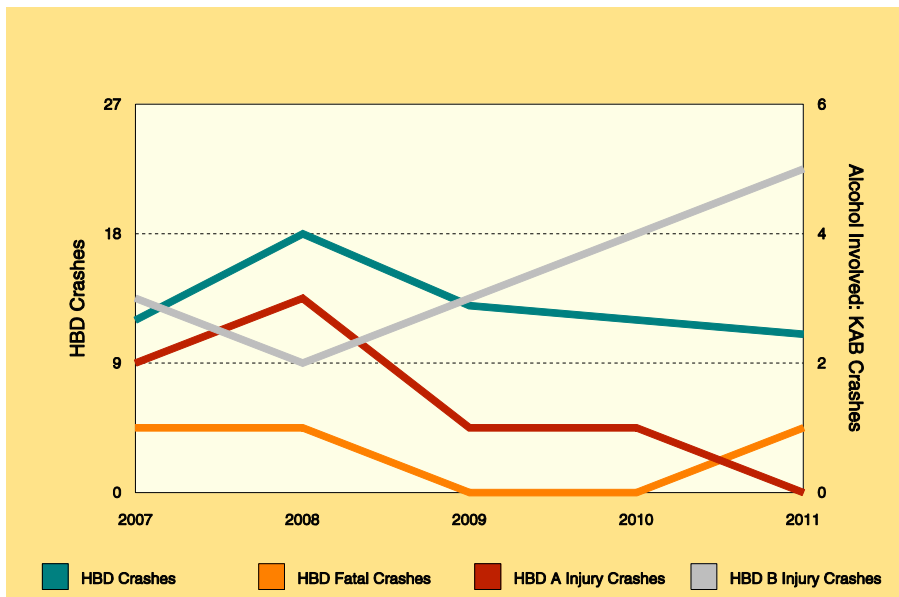
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

OSCODA	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	302	12	4.0	3	1	33.3	6	2	33.3	21	3	14.3
2008	281	18	6.4	3	1	33.3	7	3	42.9	13	2	15.4
2009	302	13	4.3	1	0	0.0	4	1	25.0	15	3	20.0
2010	222	12	5.4	1	0	0.0	5	1	20.0	15	4	26.7
2011	304*	11**	3.6	2	1	50.0	3**	0**	0.0	20	5*	25.0

\* Highest number reported in the 5-year period. \*\* Lowest number reported in the 5-year period.

**Restraint use among reported vehicle occupants by vehicle type**

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	231	224	97.0	1	1	100.0	1	1	100.0	12	11	91.7	15	15	100.0	202	196	97.0
Van, motorhome	8	7	87.5	0	0	0.0	0	0	0.0	1	1	100.0	1	0	0.0	6	6	100.0
Pickup truck	92	89	96.7	0	0	0.0	1	1	100.0	2	1	50.0	8	7	87.5	81	80	98.8
Small truck under 10,000 lbs. GVWR	7	7	100.0	0	0	0.0	1	1	100.0	1	1	100.0	0	0	0.0	5	5	100.0
Cycle	6	6	100.0	1	1	100.0	0	0	0.0	3	3	100.0	1	1	100.0	1	1	100.0
Moped	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	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	1	1	100.0	0	0	0.0	0	0	0.0	1	1	100.0	0	0	0.0	0	0	0.0
Off-Road Vehicle (ORV) /All-Terrain Vehicle (ATV)	5	5	100.0	0	0	0.0	0	0	0.0	3	3	100.0	1	1	100.0	1	1	100.0
Other	2	1	50.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	2	1	50.0
Truck/bus over 10,000 lbs.	7	6	85.7	0	0	0.0	0	0	0.0	3	3	100.0	0	0	0.0	4	3	75.0
Uncoded & errors	1	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>TOTAL</b>	<b>360</b>	<b>346</b>	<b>96.1</b>	<b>2</b>	<b>2</b>	<b>100.0</b>	<b>3</b>	<b>3</b>	<b>100.0</b>	<b>26</b>	<b>24</b>	<b>92.3</b>	<b>26</b>	<b>24</b>	<b>92.3</b>	<b>302</b>	<b>293</b>	<b>97.0</b>

**Restraint use among reported vehicle occupants by age**

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	2	2	100.0	0	0	0.0	0	0	0.0	1	1	100.0	1	1	100.0	0	0	0.0
16 - 20	42	41	97.6	1	1	100.0	0	0	0.0	1	1	100.0	4	4	100.0	36	35	97.2
21 - 64	279	268	96.1	1	1	100.0	3	3	100.0	23	21	91.3	19	17	89.5	233	226	97.0
65 +	36	35	97.2	0	0	0.0	0	0	0.0	1	1	100.0	2	2	100.0	33	32	97.0
Other/Unknown	1	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>TOTAL</b>	<b>360</b>	<b>346</b>	<b>96.1</b>	<b>2</b>	<b>2</b>	<b>100.0</b>	<b>3</b>	<b>3</b>	<b>100.0</b>	<b>26</b>	<b>24</b>	<b>92.3</b>	<b>26</b>	<b>24</b>	<b>92.3</b>	<b>302</b>	<b>293</b>	<b>97.0</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Big Creek Twp.	1	2	1	1	0	0	0	1	0
Clinton Twp.	1	1	1	1	0	0	0	1	0
Comins Twp.	0	1	0	0	0	0	0	0	0
Elmer Twp.	2	5	2	2	0	1	1	0	0
Greenwood Twp.	3	3	3	3	0	0	2	1	0
Mentor Twp.	6	6	4	4	0	0	1	2	1
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Oscoda County TOTAL</b>	<b>13</b>	<b>18</b>	<b>11</b>	<b>11</b>	<b>0</b>	<b>1</b>	<b>4</b>	<b>5</b>	<b>1</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Big Creek Twp.	56	0	0	11	1	0	0	2	9	0	0	1
Clinton Twp.	29	0	0	3	1	0	0	0	5	0	0	3
Comins Twp.	56	0	0	8	0	0	0	0	6	0	0	2
Elmer Twp.	39	1	1	9	2	0	0	0	12	0	0	5
Greenwood Twp.	41	0	0	7	3	0	0	2	11	0	0	2
Mentor Twp.	83	1	1	18	4	1	1	3	12	1	1	2
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Oscoda County TOTAL</b>	<b>304</b>	<b>2</b>	<b>2</b>	<b>56</b>	<b>11</b>	<b>1</b>	<b>1</b>	<b>7</b>	<b>55</b>	<b>1</b>	<b>1</b>	<b>15</b>

**Restraint use among reported vehicle occupants by municipality**

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Big Creek Twp.	67	64	95.5	0	0	0.0	2	2	100.0	7	7	100.0	2	2	100.0	56	53	94.6
Clinton Twp.	32	31	96.9	0	0	0.0	1	1	100.0	1	1	100.0	1	1	100.0	29	28	96.6
Comins Twp.	67	63	94.0	0	0	0.0	0	0	0.0	2	2	100.0	6	5	83.3	59	56	94.9
Elmer Twp.	46	43	93.5	1	1	100.0	0	0	0.0	0	0	0.0	9	8	88.9	35	34	97.1
Greenwood Twp.	45	43	95.6	0	0	0.0	0	0	0.0	5	3	60.0	2	2	100.0	38	38	100.0
Mentor Twp.	103	102	99.0	1	1	100.0	0	0	0.0	11	11	100.0	6	6	100.0	85	84	98.8
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Oscoda County TOTAL</b>	<b>360</b>	<b>346</b>	<b>96.1</b>	<b>2</b>	<b>2</b>	<b>100.0</b>	<b>3</b>	<b>3</b>	<b>100.0</b>	<b>26</b>	<b>24</b>	<b>92.3</b>	<b>26</b>	<b>24</b>	<b>92.3</b>	<b>302</b>	<b>293</b>	<b>97.0</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	106	1	18	87	1	30
February	73	0	14	59	0	28
March	52	1	10	41	1	16
April	42	0	6	36	0	8
May	41	0	11	30	0	17
June	70	1	18	51	1	30
July	59	0	12	47	0	18
August	58	0	12	46	0	14
September	51	0	4	47	0	5
October	88	0	16	72	0	20
November	99	0	10	89	0	21
December	86	0	16	70	0	32
<b>TOTAL</b>	<b>825</b>	<b>3</b>	<b>147</b>	<b>675</b>	<b>3</b>	<b>239</b>

In Otsego County in 2011 there were:  
825 crashes

Involving:

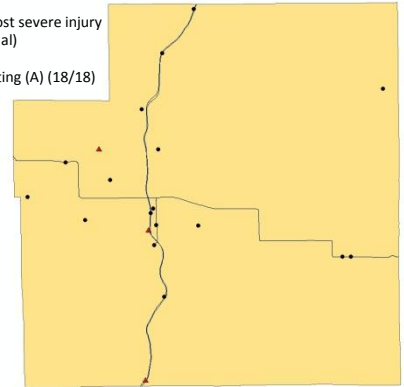
1,399 people

1,390 motor vehicle drivers and passengers

5 bicyclists

4 pedestrians

Crashes by most severe injury (mapped/actual)  
▲ Fatal (3/3)  
● Incapacitating (A) (18/18)



## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	4,818	161	6	12.5	372.7
16 - 20	1,573	1,390	160	1017.2	1151.1
21 - 64	13,659	13,491	848	620.8	628.6
65 +	4,114	3,898	107	260.1	274.5
Other/Unknown	--	--	36	--	--
<b>TOTAL</b>	<b>24,164</b>	<b>18,940</b>	<b>1,157</b>	<b>478.8</b>	<b>610.9</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Otsego County Experience

Otsego County experienced the highest number of fatal crashes (1) and the highest number of persons killed (1) in January, March, and June.

Otsego County driver statistics indicate 7.3 percent of licensed drivers were age 16-20, and 13.8 percent of drivers in that age group were involved in crashes.

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	713	61.6	5	100.0	125	583
Van, motorhome	62	5.4	0	0.0	16	46
Pickup truck	251	21.7	0	0.0	43	208
Small truck under 10,000 lbs. GVWR	62	5.4	0	0.0	11	51
Cycle	10	0.9	0	0.0	8	2
Moped	3	0.3	0	0.0	1	2
Go Cart	0	0.0	0	0.0	0	0
Snowmobile	1	0.1	0	0.0	0	1
Off-Road Vehicle (ORV) / All-Terrain Vehicle (ATV)	8	0.7	0	0.0	5	3
Other	1	0.1	0	0.0	0	1
Truck/bus over 10,000 lbs.	36	3.1	0	0.0	7	29
Unknown	10	0.9	0	0.0	2	8
<b>TOTAL</b>	<b>1,157</b>	<b>100.0</b>	<b>5</b>	<b>100.0</b>	<b>218</b>	<b>934</b>



Crash Type								
	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	511	61.9	1	33.3	12	25	44	429
Head On	10	1.2	1	33.3	1	1	1	6
Head On - Left Turn	22	2.7	0	0.0	0	2	5	15
Angle	99	12.0	0	0.0	2	1	14	82
Rear End	87	10.5	0	0.0	1	7	15	64
Rear End - Left Turn	12	1.5	0	0.0	0	0	4	8
Rear End - Right Turn	5	0.6	0	0.0	0	0	1	4
Sideswipe - Same Direction	37	4.5	1	33.3	0	2	0	34
Sideswipe - Opposite Direct	13	1.6	0	0.0	0	2	1	10
Other/Unknown	29	3.5	0	0.0	2	2	2	23
<b>Total</b>	<b>825</b>	<b>100.0</b>	<b>3</b>	<b>100.0</b>	<b>18</b>	<b>42</b>	<b>87</b>	<b>675</b>

Relationship to Roadway								
Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	565	68.5	2	66.7	7	18	50	488
Median	23	2.8	0	0.0	2	2	2	17
Shoulder	87	10.5	0	0.0	4	8	14	61
Outside of Shoulder/Curb	121	14.7	1	33.3	3	11	15	91
Gore	2	0.2	0	0.0	0	0	0	2
Other/Unknown	27	3.3	0	0.0	2	3	6	16
<b>Total</b>	<b>825</b>	<b>100.0</b>	<b>3</b>	<b>100.0</b>	<b>18</b>	<b>42</b>	<b>87</b>	<b>675</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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	3	2	7	0	1	1	0	5
21 - 64	27	33	24	25	0	0	8	8	9
65 +	2	1	1	1	0	0	0	1	0
Other/Unknown	6	0	0	1	0	0	0	0	1
<b>TOTAL</b>	<b>44</b>	<b>37</b>	<b>27</b>	<b>34</b>	<b>0</b>	<b>1</b>	<b>9</b>	<b>9</b>	<b>15</b>

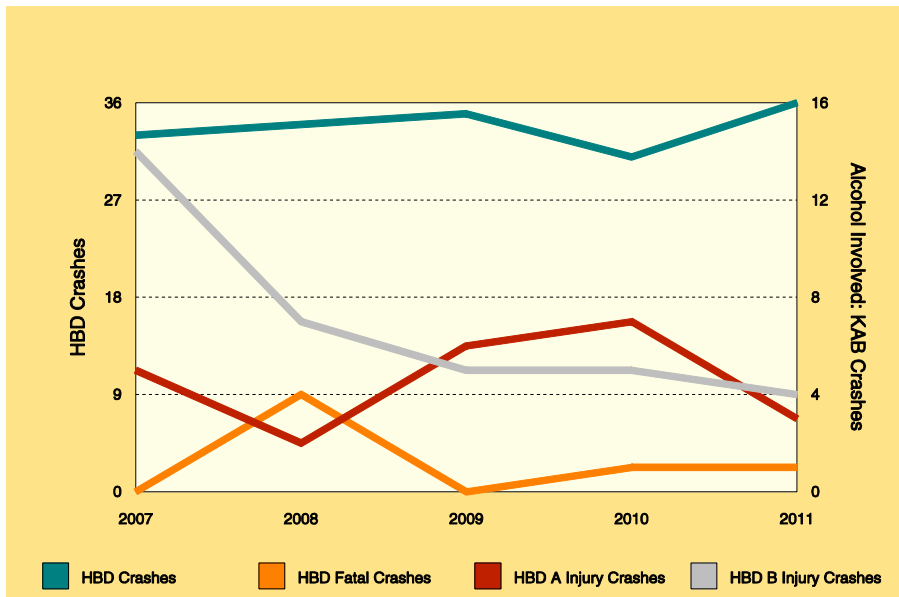
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

OTSEGO	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	868	33	3.8	4	0	0.0	17	5	29.4	66	14	21.2
2008	904	34	3.8	7	4	57.1	27	2	7.4	42	7	16.7
2009	849	35	4.1	4	0	0.0	29	6	20.7	49	5	10.2
2010	700	31	4.4	3	1	33.3	21	7	33.3	41	5	12.2
2011	825	36*	4.4	3	1	33.3	18	3	16.7	42	4**	9.5

\* Highest number reported in the 5-year period. \*\* Lowest number reported in the 5-year period.

**Restraint use among reported vehicle occupants by vehicle type**

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	762	728	95.5	3	2	66.7	10	6	60.0	30	26	86.7	90	87	96.7	612	603	98.5
Van, motorhome	81	68	84.0	0	0	0.0	7	2	28.6	8	4	50.0	14	12	85.7	51	50	98.0
Pickup truck	265	242	91.3	0	0	0.0	1	0	0.0	15	13	86.7	27	21	77.8	217	208	95.9
Small truck under 10,000 lbs. GVWR	65	60	92.3	0	0	0.0	2	2	100.0	0	0	0.0	9	8	88.9	52	50	96.2
Cycle	10	7	70.0	0	0	0.0	1	1	100.0	6	4	66.7	1	1	100.0	1	1	100.0
Moped	3	3	100.0	0	0	0.0	0	0	0.0	1	1	100.0	0	0	0.0	2	2	100.0
Go 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	1	1	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0
Off-Road Vehicle (ORV) /All-Terrain Vehicle (ATV)	8	7	87.5	0	0	0.0	1	1	100.0	1	1	100.0	3	2	66.7	3	3	100.0
Other	1	1	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0
Truck/bus over 10,000 lbs.	36	32	88.9	0	0	0.0	0	0	0.0	0	0	0.0	4	3	75.0	29	28	96.6
Uncoded & errors	10	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0
<b>TOTAL</b>	<b>1,242</b>	<b>1,149</b>	<b>92.5</b>	<b>3</b>	<b>2</b>	<b>66.7</b>	<b>22</b>	<b>12</b>	<b>54.5</b>	<b>61</b>	<b>49</b>	<b>80.3</b>	<b>148</b>	<b>134</b>	<b>90.5</b>	<b>970</b>	<b>947</b>	<b>97.6</b>

**Restraint use among reported vehicle occupants by age**

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	32	29	90.6	0	0	0.0	0	0	0.0	5	4	80.0	22	20	90.9	5	5	100.0
16 - 20	184	176	95.7	0	0	0.0	4	3	75.0	17	15	88.2	26	23	88.5	135	133	98.5
21 - 64	880	839	95.3	3	2	66.7	17	9	52.9	33	25	75.8	86	78	90.7	738	723	98.0
65 +	110	104	94.5	0	0	0.0	1	0	0.0	6	5	83.3	14	13	92.9	89	86	96.6
Other/Unknown	36	1	2.8	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	3	0	0.0
<b>TOTAL</b>	<b>1,242</b>	<b>1,149</b>	<b>92.5</b>	<b>3</b>	<b>2</b>	<b>66.7</b>	<b>22</b>	<b>12</b>	<b>54.5</b>	<b>61</b>	<b>49</b>	<b>80.3</b>	<b>148</b>	<b>134</b>	<b>90.5</b>	<b>970</b>	<b>947</b>	<b>97.6</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Bagley Twp.	7	9	7	7	0	1	2	3	1
Charlton Twp.	1	1	1	1	0	0	1	0	0
Chester Twp.	2	3	2	2	0	0	1	0	1
Corwith Twp	0	0	0	0	0	0	0	0	0
Dover Twp.	2	3	2	2	0	0	1	0	1
Elmira Twp.	2	2	2	2	0	0	0	1	1
Gaylord	12	5	4	4	0	0	1	1	2
Hayes Twp.	4	4	3	3	0	0	1	0	2
Livingston Twp.	5	5	4	5	0	0	1	3	1
Otsego Lake Twp.	7	5	2	7	0	0	1	1	5
Vanderbilt	2	0	0	1	0	0	0	0	1
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Otsego County TOTAL</b>	<b>44</b>	<b>37</b>	<b>27</b>	<b>34</b>	<b>0</b>	<b>1</b>	<b>9</b>	<b>9</b>	<b>15</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Bagley Twp.	115	1	1	36	7	0	0	3	47	0	0	9
Charlton Twp.	52	0	0	17	1	0	0	1	6	0	0	2
Chester Twp.	53	0	0	9	2	0	0	2	11	0	0	4
Corwith Twp	72	0	0	22	0	0	0	0	26	0	0	12
Dover Twp.	35	0	0	1	2	0	0	0	3	0	0	0
Elmira Twp.	35	1	1	17	2	1	1	0	19	1	1	14
Gaylord	219	0	0	54	5	0	0	3	19	0	0	0
Hayes Twp.	50	0	0	34	4	0	0	2	24	0	0	10
Livingston Twp.	107	0	0	28	5	0	0	3	37	0	0	11
Otsego Lake Twp.	77	1	1	21	7	0	0	0	32	0	0	15
Vanderbilt	10	0	0	0	1	0	0	0	4	0	0	0
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Otsego County TOTAL</b>	<b>825</b>	<b>3</b>	<b>3</b>	<b>239</b>	<b>36</b>	<b>1</b>	<b>1</b>	<b>14</b>	<b>228</b>	<b>1</b>	<b>1</b>	<b>77</b>

**Restraint use among reported vehicle occupants by municipality**

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Bagley Twp.	164	147	89.6	1	1	100.0	5	4	80.0	9	8	88.9	22	20	90.9	119	113	95.0
Charlton Twp.	64	57	89.1	0	0	0.0	3	0	0.0	6	3	50.0	8	7	87.5	46	46	100.0
Chester Twp.	58	51	87.9	0	0	0.0	0	0	0.0	2	1	50.0	6	3	50.0	49	47	95.9
Corwith Twp.	86	81	94.2	0	0	0.0	3	2	66.7	6	5	83.3	13	12	92.3	64	62	96.9
Dover Twp.	35	33	94.3	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	34	32	94.1
Elmira Twp.	54	52	96.3	1	0	0.0	1	0	0.0	6	6	100.0	10	10	100.0	36	36	100.0
Gaylord	442	414	93.7	0	0	0.0	2	2	100.0	9	6	66.7	37	33	89.2	374	371	99.2
Hayes Twp.	83	80	96.4	0	0	0.0	3	1	33.3	7	7	100.0	23	22	95.7	50	50	100.0
Livingston Twp.	143	129	90.2	0	0	0.0	3	2	66.7	9	7	77.8	16	15	93.8	108	104	96.3
Otsego Lake Twp.	99	93	93.9	1	1	100.0	2	1	50.0	7	6	85.7	12	11	91.7	77	74	96.1
Vanderbilt	14	12	85.7	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	13	12	92.3
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Otsego County TOTAL</b>	<b>1,242</b>	<b>1,149</b>	<b>92.5</b>	<b>3</b>	<b>2</b>	<b>66.7</b>	<b>22</b>	<b>12</b>	<b>54.5</b>	<b>61</b>	<b>49</b>	<b>80.3</b>	<b>148</b>	<b>134</b>	<b>90.5</b>	<b>970</b>	<b>947</b>	<b>97.6</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	772	1	101	670	1	134
February	635	0	101	534	0	131
March	438	0	75	363	0	114
April	407	1	86	320	1	113
May	518	1	107	410	3	155
June	514	0	118	396	0	164
July	523	1	133	389	1	183
August	503	1	130	372	1	180
September	510	1	116	393	1	158
October	645	1	143	501	1	198
November	702	3	96	603	3	127
December	572	1	80	491	2	102
<b>TOTAL</b>	<b>6,739</b>	<b>11</b>	<b>1,286</b>	<b>5,442</b>	<b>14</b>	<b>1,759</b>

In Ottawa County in 2011 there were:  
6,739 crashes

Involving:

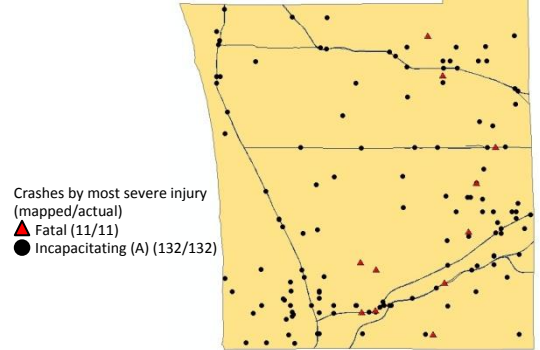
12,468 people

12,327 motor vehicle drivers and passengers

106 bicyclists

32 pedestrians

3 train engineers



## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	60,658	2,122	24	4.0	113.1
16 - 20	25,699	16,127	1,826	710.5	1132.3
21 - 64	146,421	142,169	7,771	530.7	546.6
65 +	31,023	29,605	937	302.0	316.5
Other/Unknown	--	--	633	--	--
<b>TOTAL</b>	<b>263,801</b>	<b>190,023</b>	<b>11,191</b>	<b>424.2</b>	<b>588.9</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	8,290	74.1	13	68.4	1,694	6,583
Van, motorhome	734	6.6	3	15.8	191	540
Pickup truck	1,333	11.9	1	5.3	236	1,096
Small truck under 10,000 lbs. GVWR	244	2.2	0	0.0	49	195
Cycle	91	0.8	1	5.3	72	18
Moped	11	0.1	0	0.0	8	3
Go 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)	2	0.0	0	0.0	2	0
Other	29	0.3	0	0.0	0	29
Truck/bus over 10,000 lbs.	321	2.9	1	5.3	65	255
Unknown	136	1.2	0	0.0	6	130
<b>TOTAL</b>	<b>11,191</b>	<b>100.0</b>	<b>19</b>	<b>100.0</b>	<b>2,323</b>	<b>8,849</b>

## Ottawa County Experience

Ottawa County experienced the highest number of fatal crashes (3) in November and the highest number of persons killed (3) in May and November.

Ottawa County driver statistics indicate 8.5 percent of licensed drivers were age 16-20, and 16.3 percent of drivers in that age group were involved in crashes.

In Ottawa County, motorcycles accounted for only 0.8 percent of the total vehicles in crashes, but were involved in 5.3 percent of the total fatal crashes.



Crash Type								
	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	2,569	38.1	4	36.4	45	138	191	2,191
Head On	73	1.1	1	9.1	9	8	16	39
Head On - Left Turn	127	1.9	0	0.0	4	22	27	74
Angle	1,352	20.1	4	36.4	49	118	245	936
Rear End	1,517	22.5	1	9.1	13	44	232	1,227
Rear End - Left Turn	100	1.5	0	0.0	2	13	15	70
Rear End - Right Turn	146	2.2	0	0.0	0	2	15	129
Sideswipe - Same Direction	513	7.6	0	0.0	5	7	29	472
Sideswipe - Opposite Direct	101	1.5	1	9.1	3	2	8	87
Other/Unknown	241	3.6	0	0.0	2	7	15	217
<b>Total</b>	<b>6,739</b>	<b>100.0</b>	<b>11</b>	<b>100.0</b>	<b>132</b>	<b>361</b>	<b>793</b>	<b>5,442</b>

Relationship to Roadway								
Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	5,575	82.7	8	72.7	102	290	668	4,507
Median	59	0.9	1	9.1	2	4	3	49
Shoulder	337	5.0	0	0.0	8	15	24	290
Outside of Shoulder/Curb	684	10.1	2	18.2	20	41	91	530
Gore	13	0.2	0	0.0	0	2	0	11
Other/Unknown	71	1.1	0	0.0	0	9	7	55
<b>Total</b>	<b>6,739</b>	<b>100.0</b>	<b>11</b>	<b>100.0</b>	<b>132</b>	<b>361</b>	<b>793</b>	<b>5,442</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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	33	35	20	22	0	4	0	1	17
21 - 64	271	249	177	208	1	2	14	11	180
65 +	18	13	7	7	0	0	0	0	7
Other/Unknown	18	0	0	2	0	0	0	0	2
<b>TOTAL</b>	<b>340</b>	<b>297</b>	<b>204</b>	<b>239</b>	<b>1</b>	<b>6</b>	<b>14</b>	<b>12</b>	<b>206</b>

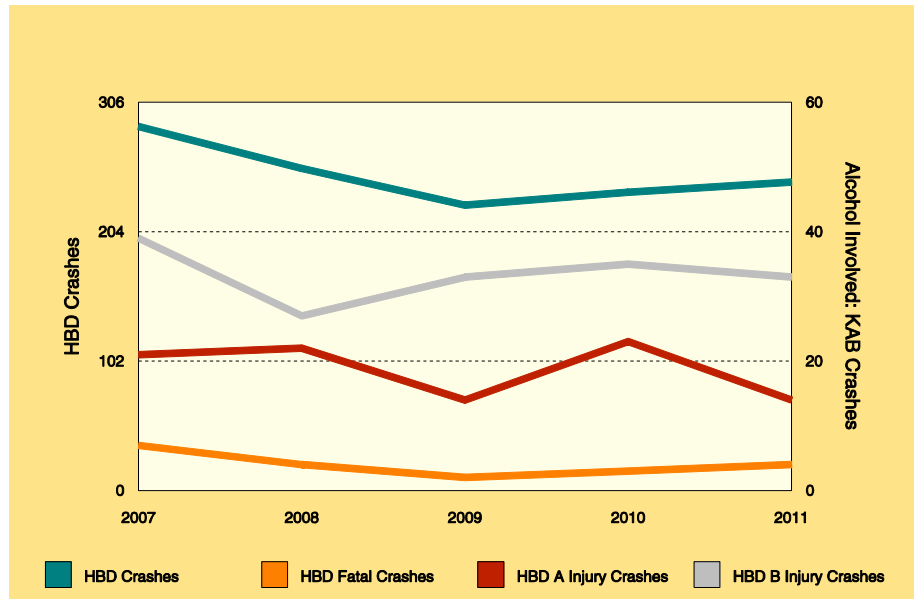
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

OTTAWA	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	7,419	287	3.9	18	7	38.9	162	21	13.0	341	39	11.4
2008	7,334	254	3.5	23	4	17.4	150	22	14.7	298	27	9.1
2009	6,672	225	3.4	16	2	12.5	123	14	11.4	297	33	11.1
2010	6,315	235	3.7	16	3	18.8	122	23	18.9	345	35	10.1
2011	6,739	243	3.6	11*	4	36.4	132	14	10.6	361**	33	9.1

\* Lowest number reported in the 5-year period. \*\* Highest number reported in the 5-year period.

**Restraint use among reported vehicle occupants by vehicle type**

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	8,618	8,110	94.1	11	8	72.7	95	84	88.4	299	283	94.6	843	815	96.7	7,046	6,915	98.1
Van, motorhome	795	753	94.7	1	1	100.0	18	17	94.4	28	27	96.4	103	102	99.0	616	606	98.4
Pickup truck	1,367	1,270	92.9	0	0	0.0	14	10	71.4	34	30	88.2	69	65	94.2	1,189	1,165	98.0
Small truck under 10,000 lbs. GVWR	256	239	93.4	0	0	0.0	3	3	100.0	13	11	84.6	21	21	100.0	208	204	98.1
Cycle	98	90	91.8	1	1	100.0	16	16	100.0	36	34	94.4	24	22	91.7	20	17	85.0
Moped	12	4	33.3	0	0	0.0	1	0	0.0	5	1	20.0	1	1	100.0	4	2	50.0
Go 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)	2	0	0.0	0	0	0.0	2	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Other	29	17	58.6	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	27	17	63.0
Truck/bus over 10,000 lbs.	326	287	88.0	0	0	0.0	0	0	0.0	1	1	100.0	15	11	73.3	286	275	96.2
Uncoded & errors	137	5	3.6	0	0	0.0	1	1	100.0	0	0	0.0	1	1	100.0	7	3	42.9
<b>TOTAL</b>	<b>11,640</b>	<b>10,775</b>	<b>92.6</b>	<b>13</b>	<b>10</b>	<b>76.9</b>	<b>150</b>	<b>131</b>	<b>87.3</b>	<b>416</b>	<b>387</b>	<b>93.0</b>	<b>1,077</b>	<b>1,038</b>	<b>96.4</b>	<b>9,403</b>	<b>9,204</b>	<b>97.9</b>

**Restraint use among reported vehicle occupants by age**

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	161	155	96.3	1	1	100.0	8	8	100.0	28	25	89.3	102	101	99.0	22	20	90.9
16 - 20	1,899	1,847	97.3	6	4	66.7	26	20	76.9	96	89	92.7	166	156	94.0	1,605	1,578	98.3
21 - 64	7,963	7,803	98.0	5	4	80.0	97	85	87.6	242	227	93.8	703	679	96.6	6,911	6,806	98.5
65 +	980	966	98.6	1	1	100.0	19	18	94.7	49	46	93.9	103	102	99.0	806	797	98.9
Other/Unknown	637	4	0.6	0	0	0.0	0	0	0.0	1	0	0.0	3	0	0.0	59	3	5.1
<b>TOTAL</b>	<b>11,640</b>	<b>10,775</b>	<b>92.6</b>	<b>13</b>	<b>10</b>	<b>76.9</b>	<b>150</b>	<b>131</b>	<b>87.3</b>	<b>416</b>	<b>387</b>	<b>93.0</b>	<b>1,077</b>	<b>1,038</b>	<b>96.4</b>	<b>9,403</b>	<b>9,204</b>	<b>97.9</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Allendale Twp.	16	13	10	12	0	0	0	0	12
Blandon Twp.	6	5	3	5	0	0	0	0	5
Chester Twp.	1	2	0	1	0	0	0	0	1
Coopersville	2	2	1	1	0	0	0	0	1
Crockery Twp.	7	8	5	6	0	0	0	0	6
Ferrysburg	5	6	4	4	0	0	0	0	4
Georgetown Twp.	43	38	30	33	0	0	0	2	31
Grand Haven	31	18	14	18	1	4	3	3	7
Grand Haven Twp.	9	10	6	8	0	0	0	0	8
Holland	42	26	22	25	0	1	9	7	8
Holland Twp.	57	48	32	36	0	0	0	0	36
Hudsonville	6	4	3	3	0	0	0	0	3
Jamestown Twp.	7	5	3	5	0	0	0	0	5
Olive Twp.	11	11	8	9	0	0	0	0	9
Park Twp.	24	14	13	14	0	0	0	0	14
Polkton Twp.	9	15	7	8	0	0	0	0	8
Port Sheldon Twp.	5	6	5	5	0	0	0	0	5
Robinson Twp.	11	7	5	8	0	0	0	0	8
Spring Lake	0	0	0	0	0	0	0	0	0
Spring Lake Twp.	10	13	9	9	0	0	0	0	9
Tallmadge Twp.	12	11	6	9	0	0	0	0	9
Wright Twp.	7	11	5	6	0	0	1	0	5
Zeeland	1	1	0	0	0	0	0	0	0
Zeeland Twp.	18	23	13	14	0	1	1	0	12
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Ottawa County TOTAL</b>	<b>340</b>	<b>297</b>	<b>204</b>	<b>239</b>	<b>1</b>	<b>6</b>	<b>14</b>	<b>12</b>	<b>206</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Allendale Twp.	305	0	0	58	12	0	0	7	40	0	0	4
Blandon Twp.	149	0	0	44	5	0	0	1	32	0	0	9
Chester Twp.	41	0	0	10	1	0	0	0	5	0	0	1
Coopersville	77	0	0	11	1	0	0	0	11	0	0	0
Crockery Twp.	154	0	0	33	6	0	0	5	36	0	0	10
Ferrysburg	106	0	0	27	4	0	0	2	26	0	0	6
Georgetown Twp.	748	2	2	221	33	2	2	15	82	1	1	21
Grand Haven	464	0	0	110	18	0	0	6	19	0	0	1
Grand Haven Twp.	278	0	0	67	8	0	0	3	22	0	0	2
Holland	852	0	0	208	26	0	0	11	44	0	0	5
Holland Twp.	1,206	0	0	352	38	0	0	14	82	0	0	8
Hudsonville	187	0	0	36	3	0	0	2	14	0	0	3
Jamestown Twp.	180	0	0	44	5	0	0	2	34	0	0	7
Olive Twp.	183	0	0	45	9	0	0	5	33	0	0	4
Park Twp.	190	0	0	72	14	0	0	7	22	0	0	5
Polkton Twp.	197	1	2	36	8	0	0	4	41	0	0	9
Port Sheldon Twp.	101	0	0	30	5	0	0	2	10	0	0	3
Robinson Twp.	142	0	0	37	9	0	0	5	24	0	0	6
Spring Lake	107	0	0	27	0	0	0	0	2	0	0	0
Spring Lake Twp.	163	0	0	46	9	0	0	4	36	0	0	7
Tallmadge Twp.	223	1	1	41	9	0	0	1	51	0	0	15
Wright Twp.	212	1	1	59	6	0	0	3	50	0	0	12
Zeeland	153	1	1	58	1	1	1	1	6	0	0	1
Zeeland Twp.	321	5	7	87	13	1	3	6	52	1	1	11
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Ottawa County TOTAL</b>	<b>6,739</b>	<b>11</b>	<b>14</b>	<b>1,759</b>	<b>243</b>	<b>4</b>	<b>6</b>	<b>106</b>	<b>774</b>	<b>2</b>	<b>2</b>	<b>150</b>

Restraint use among reported vehicle occupants by municipality

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Allendale Twp.	489	460	94.1	0	0	0.0	1	1	100.0	10	7	70.0	33	30	90.9	434	421	97.0
Blandon Twp.	206	192	93.2	0	0	0.0	3	3	100.0	12	12	100.0	29	26	89.7	153	151	98.7
Chester Twp.	52	47	90.4	0	0	0.0	1	0	0.0	6	5	83.3	3	3	100.0	41	39	95.1
Coopersville	128	119	93.0	0	0	0.0	3	3	100.0	4	4	100.0	4	4	100.0	110	108	98.2
Crockery Twp.	193	187	96.9	0	0	0.0	5	3	60.0	10	10	100.0	18	18	100.0	158	155	98.1
Ferrysburg	171	157	91.8	0	0	0.0	3	3	100.0	4	4	100.0	19	19	100.0	132	131	99.2
Georgetown Twp.	1,348	1,237	91.8	2	1	50.0	24	22	91.7	55	51	92.7	131	125	95.4	1,055	1,038	98.4
Grand Haven	923	820	88.8	0	0	0.0	2	2	100.0	17	14	82.4	78	73	93.6	763	731	95.8
Grand Haven Twp.	451	418	92.7	0	0	0.0	3	2	66.7	17	13	76.5	44	42	95.5	367	361	98.4
Holland	1,692	1,513	89.4	0	0	0.0	4	4	100.0	61	60	98.4	119	114	95.8	1,369	1,334	97.4
Holland Twp.	2,335	2,211	94.7	0	0	0.0	24	24	100.0	56	55	98.2	244	242	99.2	1,912	1,890	98.8
Hudsonville	348	331	95.1	0	0	0.0	1	1	100.0	7	7	100.0	26	25	96.2	302	298	98.7
Jamestown Twp.	263	243	92.4	0	0	0.0	7	6	85.7	13	11	84.6	24	23	95.8	212	203	95.8
Olive Twp.	252	240	95.2	0	0	0.0	10	9	90.0	12	11	91.7	23	23	100.0	199	197	99.0
Park Twp.	320	302	94.4	0	0	0.0	7	7	100.0	23	22	95.7	36	35	97.2	238	237	99.6
Polkton Twp.	246	226	91.9	2	2	100.0	5	3	60.0	17	14	82.4	13	13	100.0	199	194	97.5
Port Sheldon Twp.	149	134	89.9	0	0	0.0	1	1	100.0	8	8	100.0	20	18	90.0	110	107	97.3
Robinson Twp.	187	176	94.1	0	0	0.0	2	1	50.0	8	8	100.0	25	24	96.0	149	143	96.0
Spring Lake	227	215	94.7	0	0	0.0	0	0	0.0	2	2	100.0	23	23	100.0	192	190	99.0
Spring Lake Twp.	254	237	93.3	0	0	0.0	2	1	50.0	8	7	87.5	33	33	100.0	199	196	98.5
Tallmadge Twp.	311	299	96.1	1	0	0.0	11	10	90.9	17	17	100.0	13	13	100.0	262	259	98.9
Wright Twp.	288	272	94.4	1	1	100.0	11	10	90.9	23	21	91.3	25	24	96.0	220	216	98.2
Zeeland	310	275	88.7	0	0	0.0	2	2	100.0	8	7	87.5	43	38	88.4	235	227	96.6
Zeeland Twp.	497	464	93.4	7	6	85.7	18	13	72.2	18	17	94.4	51	50	98.0	392	378	96.4
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Ottawa County TOTAL</b>	<b>11,640</b>	<b>10,775</b>	<b>92.6</b>	<b>13</b>	<b>10</b>	<b>76.9</b>	<b>150</b>	<b>131</b>	<b>87.3</b>	<b>416</b>	<b>387</b>	<b>93.0</b>	<b>1,077</b>	<b>1,038</b>	<b>96.4</b>	<b>9,403</b>	<b>9,204</b>	<b>97.9</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	53	0	5	48	0	8
February	28	0	6	22	0	6
March	34	0	4	30	0	4
April	37	0	5	32	0	8
May	23	0	1	22	0	1
June	53	0	4	49	0	4
July	42	0	5	37	0	8
August	37	0	5	32	0	8
September	42	0	5	37	0	6
October	64	0	4	60	0	4
November	61	0	2	59	0	2
December	70	0	8	62	0	9
<b>TOTAL</b>	<b>544</b>	<b>0</b>	<b>54</b>	<b>490</b>	<b>0</b>	<b>68</b>

In Presque Isle County in 2011 there were:

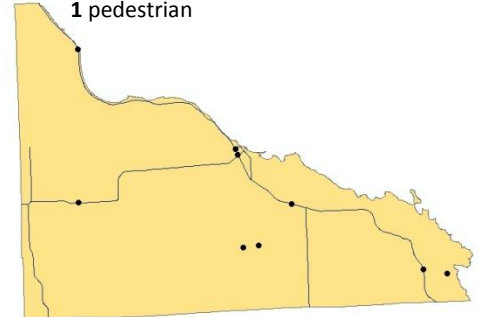
**544** crashes

Involving:

**682** people

**681** motor vehicle drivers and passengers

**1** pedestrian



Crashes by most severe injury (mapped/actual)

▲ Fatal (0/0)

● Incapacitating (A) (9/9)

## Driver Statistics

Age group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	2,038	88	0	0.0	0.0
16 - 20	647	556	35	541.0	629.5
21 - 64	7,193	6,900	455	632.6	659.4
65 +	3,498	3,244	98	280.2	302.1
Other/Unknown	--	--	10	--	--
<b>TOTAL</b>	<b>13,376</b>	<b>10,788</b>	<b>598</b>	<b>447.1</b>	<b>554.3</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	384	64.2	0	0.0	40	344
Van, motorhome	27	4.5	0	0.0	2	25
Pickup truck	162	27.1	0	0.0	15	147
Small truck under 10,000 lbs. GVWR	5	0.8	0	0.0	0	5
Cycle	6	1.0	0	0.0	6	0
Moped	0	0.0	0	0.0	0	0
Go 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)	1	0.2	0	0.0	1	0
Other	2	0.3	0	0.0	0	2
Truck/bus over 10,000 lbs.	7	1.2	0	0.0	4	3
Unknown	4	0.7	0	0.0	0	4
<b>TOTAL</b>	<b>598</b>	<b>100.0</b>	<b>0</b>	<b>0.0</b>	<b>68</b>	<b>530</b>

## Presque Isle County Experience

Presque Isle County did not experience a fatal crash.

Presque Isle County driver statistics indicate 5.2 percent of licensed drivers were age 16-20, and 5.9 percent of drivers in that age group were involved in crashes.

In Presque Isle County, motorcycles accounted for 1.0 percent of the total vehicles in crashes, and were involved in 8.8 percent of the total injury crashes.



Crash Type								
	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	488	89.7	0	0.0	7	19	14	448
Head On	2	0.4	0	0.0	0	1	0	1
Head On - Left Turn	2	0.4	0	0.0	0	1	0	1
Angle	19	3.5	0	0.0	0	0	4	15
Rear End	10	1.8	0	0.0	0	0	1	9
Rear End - Left Turn	1	0.2	0	0.0	0	0	0	1
Rear End - Right Turn	0	0.0	0	0.0	0	0	0	0
Sideswipe - Same Direction	8	1.5	0	0.0	0	2	2	4
Sideswipe - Opposite Direct	3	0.6	0	0.0	0	0	0	3
Other/Unknown	11	2.0	0	0.0	2	1	0	8
<b>Total</b>	<b>544</b>	<b>100.0</b>	<b>0</b>	<b>0.0</b>	<b>9</b>	<b>24</b>	<b>21</b>	<b>490</b>

Relationship to Roadway								
Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	455	83.6	0	0.0	3	9	12	431
Median	0	0.0	0	0.0	0	0	0	0
Shoulder	16	2.9	0	0.0	1	0	0	15
Outside of Shoulder/Curb	55	10.1	0	0.0	4	11	8	32
Gore	1	0.2	0	0.0	0	0	0	1
Other/Unknown	17	3.1	0	0.0	1	4	1	11
<b>Total</b>	<b>544</b>	<b>100.0</b>	<b>0</b>	<b>0.0</b>	<b>9</b>	<b>24</b>	<b>21</b>	<b>490</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	Total drivers coded drinking	BAC Result Range for 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	1	0	0	1	0	0	0	0	1
21 - 64	17	11	11	14	0	0	0	0	14
65 +	2	1	1	2	0	0	0	0	2
Other/Unknown	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>20</b>	<b>12</b>	<b>12</b>	<b>17</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>17</b>

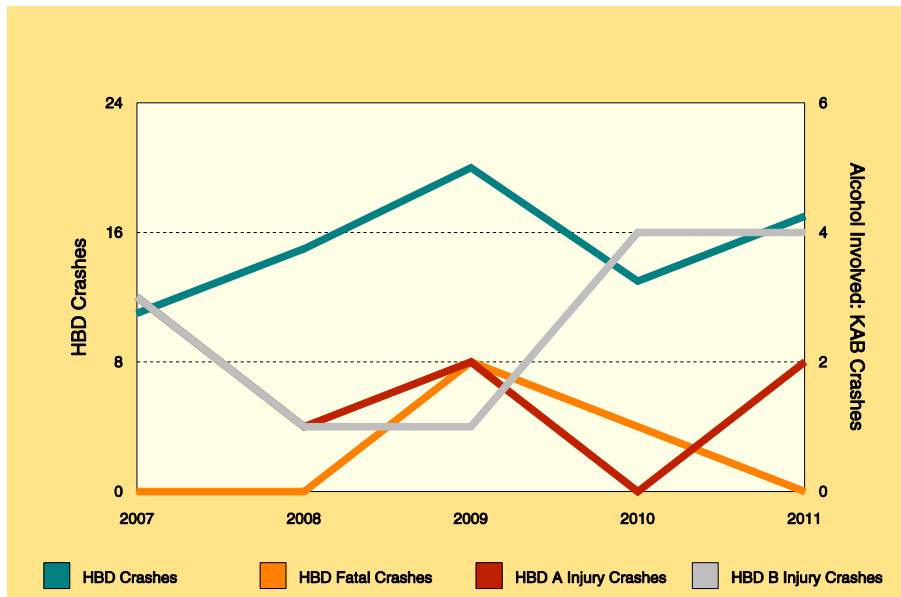
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

PRESQUE ISLE	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	534	11	2.1	0	0	0.0	11	3	27.3	19	3	15.8
2008	557	15	2.7	0	0	0.0	10	1	10.0	16	1	6.3
2009	559	20	3.6	4	2	50.0	6	2	33.3	12	1	8.3
2010	516	13	2.5	2	1	50.0	8	0	0.0	20	4	20.0
2011	544	17	3.1	0	0	0.0	9	2	22.2	24*	4	16.7

\* Highest number reported in the 5-year period.

## Restraint use among reported vehicle occupants by vehicle type

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	395	382	96.7	0	0	0.0	7	7	100.0	14	13	92.9	21	21	100.0	346	340	98.3
Van, motorhome	27	25	92.6	0	0	0.0	1	0	0.0	0	0	0.0	0	0	0.0	25	24	96.0
Pickup truck	165	161	97.6	0	0	0.0	2	1	50.0	6	5	83.3	5	5	100.0	151	149	98.7
Small truck under 10,000 lbs. GVWR	5	5	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	5	5	100.0
Cycle	8	8	100.0	0	0	0.0	1	1	100.0	5	5	100.0	2	2	100.0	0	0	0.0
Moped	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	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)	1	1	100.0	0	0	0.0	0	0	0.0	1	1	100.0	0	0	0.0	0	0	0.0
Other	2	1	50.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	2	1	50.0
Truck/bus over 10,000 lbs.	7	5	71.4	0	0	0.0	1	0	0.0	0	0	0.0	1	1	100.0	4	4	100.0
Uncoded & errors	4	1	25.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0
<b>TOTAL</b>	<b>614</b>	<b>589</b>	<b>95.9</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>12</b>	<b>9</b>	<b>75.0</b>	<b>26</b>	<b>24</b>	<b>92.3</b>	<b>29</b>	<b>29</b>	<b>100.0</b>	<b>534</b>	<b>524</b>	<b>98.1</b>

## Restraint use among reported vehicle occupants by age

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	5	5	100.0	0	0	0.0	1	1	100.0	3	3	100.0	1	1	100.0	0	0	0.0
16 - 20	35	33	94.3	0	0	0.0	0	0	0.0	2	2	100.0	1	1	100.0	32	30	93.8
21 - 64	462	451	97.6	0	0	0.0	7	5	71.4	17	15	88.2	18	18	100.0	419	412	98.3
65 +	102	100	98.0	0	0	0.0	4	3	75.0	4	4	100.0	9	9	100.0	83	82	98.8
Other/Unknown	10	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>TOTAL</b>	<b>614</b>	<b>589</b>	<b>95.9</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>12</b>	<b>9</b>	<b>75.0</b>	<b>26</b>	<b>24</b>	<b>92.3</b>	<b>29</b>	<b>29</b>	<b>100.0</b>	<b>534</b>	<b>524</b>	<b>98.1</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Allis Twp.	1	0	0	1	0	0	0	0	1
Bearinger Twp.	4	4	4	4	0	0	0	0	4
Belknap Twp.	5	3	3	3	0	0	0	0	3
Bismark Twp.	0	0	0	0	0	0	0	0	0
Case Twp.	1	1	1	1	0	0	0	0	1
Krakov Twp.	1	0	0	1	0	0	0	0	1
Metz Twp.	1	1	1	1	0	0	0	0	1
Millersburg	0	0	0	0	0	0	0	0	0
Moltke Twp.	2	1	1	2	0	0	0	0	2
North Allis Twp.	3	2	2	2	0	0	0	0	2
Ocqueoc Twp.	0	0	0	0	0	0	0	0	0
Onaway	0	0	0	0	0	0	0	0	0
Posen	0	0	0	0	0	0	0	0	0
Posen Twp.	0	0	0	0	0	0	0	0	0
Presque Isle Twp.	1	0	0	1	0	0	0	0	1
Pulaski Twp.	0	0	0	0	0	0	0	0	0
Rogers City	0	0	0	0	0	0	0	0	0
Rogers Twp.	1	0	0	1	0	0	0	0	1
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Presque Isle County TOTAL</b>	<b>20</b>	<b>12</b>	<b>12</b>	<b>17</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>17</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Allis Twp.	45	0	0	5	1	0	0	2	0	0	0	0
Bearinger Twp.	16	0	0	2	4	0	0	1	2	0	0	1
Belknap Twp.	64	0	0	5	3	0	0	1	6	0	0	3
Bismark Twp.	10	0	0	0	0	0	0	0	1	0	0	0
Case Twp.	25	0	0	4	1	0	0	0	5	0	0	3
Krakow Twp.	30	0	0	3	1	0	0	0	2	0	0	0
Metz Twp.	37	0	0	6	1	0	0	1	1	0	0	0
Millersburg	2	0	0	0	0	0	0	0	0	0	0	0
Moltke Twp.	16	0	0	3	2	0	0	2	3	0	0	2
North Allis Twp.	31	0	0	3	2	0	0	0	1	0	0	0
Ocqueoc Twp.	50	0	0	1	0	0	0	0	0	0	0	0
Onaway	19	0	0	4	0	0	0	0	1	0	0	0
Posen	1	0	0	0	0	0	0	0	0	0	0	0
Posen Twp.	43	0	0	2	0	0	0	0	0	0	0	0
Presque Isle Twp.	33	0	0	9	1	0	0	1	11	0	0	6
Pulaski Twp.	37	0	0	4	0	0	0	0	4	0	0	1
Rogers City	40	0	0	12	0	0	0	0	2	0	0	1
Rogers Twp.	45	0	0	5	1	0	0	0	10	0	0	3
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Presque Isle County TOTAL</b>	<b>544</b>	<b>0</b>	<b>0</b>	<b>68</b>	<b>17</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>49</b>	<b>0</b>	<b>0</b>	<b>20</b>

Restraint use among reported vehicle occupants by municipality

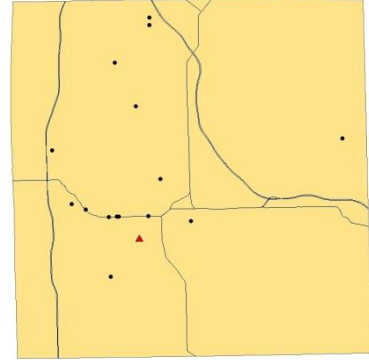
Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Allis Twp.	48	47	97.9	0	0	0.0	1	1	100.0	2	1	50.0	2	2	100.0	43	43	100.0
Bearinger Twp.	16	14	87.5	0	0	0.0	1	1	100.0	1	1	100.0	0	0	0.0	14	12	85.7
Belknap Twp.	69	67	97.1	0	0	0.0	0	0	0.0	3	3	100.0	2	2	100.0	63	61	96.8
Bismark Twp.	10	9	90.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	10	9	90.0
Case Twp.	28	27	96.4	0	0	0.0	0	0	0.0	3	3	100.0	1	1	100.0	22	22	100.0
Krakov Twp.	31	31	100.0	0	0	0.0	0	0	0.0	2	2	100.0	1	1	100.0	28	28	100.0
Metz Twp.	40	39	97.5	0	0	0.0	4	3	75.0	0	0	0.0	2	2	100.0	33	33	100.0
Millersburg	4	3	75.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	3	3	100.0
Moltke Twp.	17	16	94.1	0	0	0.0	0	0	0.0	3	2	66.7	0	0	0.0	14	14	100.0
North Allis Twp.	36	35	97.2	0	0	0.0	0	0	0.0	1	1	100.0	2	2	100.0	33	32	97.0
Ocqueoc Twp.	51	51	100.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	50	50	100.0
Onaway	33	30	90.9	0	0	0.0	0	0	0.0	2	2	100.0	2	2	100.0	28	26	92.9
Posen	2	2	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0
Posen Twp.	45	45	100.0	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0	43	43	100.0
Presque Isle Twp.	37	36	97.3	0	0	0.0	2	1	50.0	4	4	100.0	3	3	100.0	28	28	100.0
Pulaski Twp.	37	36	97.3	0	0	0.0	1	0	0.0	1	1	100.0	2	2	100.0	33	33	100.0
Rogers City	63	55	87.3	0	0	0.0	3	3	100.0	2	2	100.0	6	6	100.0	45	44	97.8
Rogers Twp.	47	46	97.9	0	0	0.0	0	0	100.0	2	2	100.0	3	3	100.0	42	41	97.6
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Presque Isle County TOTAL</b>	<b>614</b>	<b>589</b>	<b>95.9</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>12</b>	<b>9</b>	<b>75.0</b>	<b>26</b>	<b>24</b>	<b>92.3</b>	<b>29</b>	<b>29</b>	<b>100.0</b>	<b>534</b>	<b>524</b>	<b>98.1</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	89	0	13	76	0	17
February	56	0	10	46	0	13
March	63	0	9	54	0	10
April	79	0	12	67	0	18
May	62	0	9	53	0	11
June	62	0	5	57	0	7
July	81	0	21	60	0	35
August	45	0	12	33	0	23
September	65	1	7	57	1	17
October	81	0	10	71	0	13
November	66	0	7	59	0	10
December	54	0	11	43	0	13
<b>TOTAL</b>	<b>803</b>	<b>1</b>	<b>126</b>	<b>676</b>	<b>1</b>	<b>187</b>

**In Roscommon County in 2011 there were:**  
**803** crashes  
**Involving:**  
**1,250** people  
**1,245** motor vehicle drivers and passengers  
**5** pedestrians



Crashes by most severe injury (mapped/actual)  
 ▲ Fatal (1/1)  
 ● Incapacitating (A) (15/15)

## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	3,376	94	8	23.7	851.1
16 - 20	1,182	913	105	888.3	1150.1
21 - 64	13,042	12,142	728	558.2	599.6
65 +	6,849	6,639	133	194.2	200.3
Other/Unknown	--	--	29	--	--
<b>TOTAL</b>	<b>24,449</b>	<b>19,788</b>	<b>1,003</b>	<b>410.2</b>	<b>506.9</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	634	63.2	1	100.0	105	528
Van, motorhome	61	6.1	0	0.0	13	48
Pickup truck	195	19.4	0	0.0	42	153
Small truck under 10,000 lbs. GVWR	55	5.5	0	0.0	5	50
Cycle	15	1.5	0	0.0	11	4
Moped	0	0.0	0	0.0	0	0
Go Cart	0	0.0	0	0.0	0	0
Snowmobile	5	0.5	0	0.0	3	2
Off-Road Vehicle (ORV) / All-Terrain Vehicle (ATV)	6	0.6	0	0.0	6	0
Other	1	0.1	0	0.0	0	1
Truck/bus over 10,000 lbs.	21	2.1	0	0.0	2	19
Unknown	10	1.0	0	0.0	0	10
<b>TOTAL</b>	<b>1,003</b>	<b>100.0</b>	<b>1</b>	<b>100.0</b>	<b>187</b>	<b>815</b>

## Roscommon County Experience

Roscommon County experienced the highest number of fatal crashes (1) and the highest number of persons killed (1) in September.

Roscommon County driver statistics indicate 4.6 percent of licensed drivers were age 16-20, and 10.5 percent of drivers in that age group were involved in crashes.



## Crash Type

	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	602	75.0	1	100.0	7	31	32	531
Head On	5	0.6	0	0.0	0	1	1	3
Head On - Left Turn	16	2.0	0	0.0	1	2	4	9
Angle	54	6.7	0	0.0	4	3	11	36
Rear End	52	6.5	0	0.0	3	3	12	34
Rear End - Left Turn	6	0.7	0	0.0	0	1	0	5
Rear End - Right Turn	3	0.4	0	0.0	0	0	0	3
Sideswipe - Same Direction	29	3.6	0	0.0	0	2	1	26
Sideswipe - Opposite Direct	11	1.4	0	0.0	0	3	0	8
Other/Unknown	25	3.1	0	0.0	0	1	3	21
<b>Total</b>	<b>803</b>	<b>100.0</b>	<b>1</b>	<b>100.0</b>	<b>15</b>	<b>47</b>	<b>64</b>	<b>676</b>

## Relationship to Roadway

Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	596	74.2	0	0.0	11	24	37	524
Median	9	1.1	0	0.0	0	2	2	5
Shoulder	59	7.3	0	0.0	1	3	7	48
Outside of Shoulder/Curb	100	12.5	1	100.0	2	14	14	69
Gore	0	0.0	0	0.0	0	0	0	0
Other/Unknown	39	4.9	0	0.0	1	4	4	30
<b>Total</b>	<b>803</b>	<b>100.0</b>	<b>1</b>	<b>100.0</b>	<b>15</b>	<b>47</b>	<b>64</b>	<b>676</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	Total drivers coded drinking	BAC Result Range for 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	7	3	3	4	0	0	1	0	3
21 - 64	30	20	18	24	0	1	4	0	19
65 +	3	2	2	2	0	0	0	0	2
Other/Unknown	1	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>41</b>	<b>25</b>	<b>23</b>	<b>30</b>	<b>0</b>	<b>1</b>	<b>5</b>	<b>0</b>	<b>24</b>

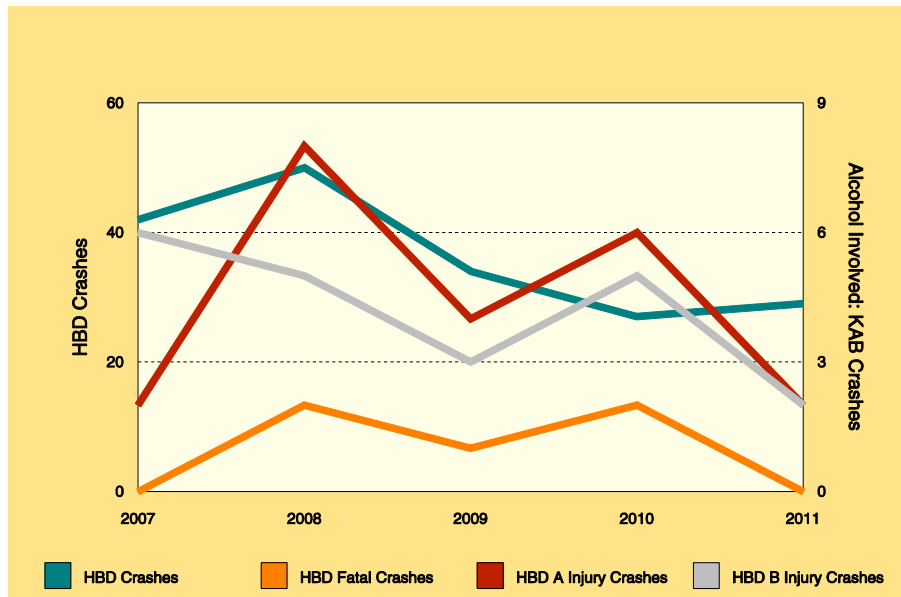
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

ROSCOMMON	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	854	42	4.9	1	0	0.0	23	2	8.7	41	6	14.6
2008	846	50	5.9	4	2	50.0	24	8	33.3	29	5	17.2
2009	859	34	4.0	5	1	20.0	27	4	14.8	36	3	8.3
2010	757	27	3.6	5	2	40.0	18	6	33.3	35	5	14.3
2011	803	29	3.6	1	0	0.0	15*	2	13.3	47**	2*	4.3

\* Lowest number reported in the 5-year period. \*\* Highest number reported in the 5-year period.

## Restraint use among reported vehicle occupants by vehicle type

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	682	648	95.0	1	0	0.0	11	7	63.6	26	22	84.6	77	74	96.1	556	543	97.7
Van, motorhome	67	67	100.0	0	0	0.0	0	0	0.0	8	8	100.0	4	4	100.0	55	55	100.0
Pickup truck	205	186	90.7	0	0	0.0	2	1	50.0	11	9	81.8	16	14	87.5	167	162	97.0
Small truck under 10,000 lbs. GVWR	58	58	100.0	0	0	0.0	1	1	100.0	4	4	100.0	2	2	100.0	50	50	100.0
Cycle	15	14	93.3	0	0	0.0	2	2	100.0	7	7	100.0	2	2	100.0	3	3	100.0
Moped	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	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	6	5	83.3	0	0	0.0	0	0	0.0	1	1	100.0	3	3	100.0	2	1	50.0
Off-Road Vehicle (ORV) /All-Terrain Vehicle (ATV)	8	5	62.5	0	0	0.0	2	1	50.0	1	0	0.0	2	2	100.0	3	2	66.7
Other	1	1	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0
Truck/bus over 10,000 lbs.	21	19	90.5	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	21	19	90.5
Uncoded & errors	10	2	20.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0
<b>TOTAL</b>	<b>1,073</b>	<b>1,005</b>	<b>93.7</b>	<b>1</b>	<b>0</b>	<b>0.0</b>	<b>18</b>	<b>12</b>	<b>66.7</b>	<b>58</b>	<b>51</b>	<b>87.9</b>	<b>106</b>	<b>101</b>	<b>95.3</b>	<b>860</b>	<b>838</b>	<b>97.4</b>

## Restraint use among reported vehicle occupants by age

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	26	22	84.6	1	0	0.0	2	1	50.0	9	7	77.8	9	9	100.0	5	5	100.0
16 - 20	118	111	94.1	0	0	0.0	6	4	66.7	5	4	80.0	19	18	94.7	88	85	96.6
21 - 64	764	741	97.0	0	0	0.0	6	4	66.7	40	36	90.0	67	63	94.0	649	636	98.0
65 +	136	131	96.3	0	0	0.0	4	3	75.0	4	4	100.0	11	11	100.0	116	112	96.6
Other/Unknown	29	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	2	0	0.0
<b>TOTAL</b>	<b>1,073</b>	<b>1,005</b>	<b>93.7</b>	<b>1</b>	<b>0</b>	<b>0.0</b>	<b>18</b>	<b>12</b>	<b>66.7</b>	<b>58</b>	<b>51</b>	<b>87.9</b>	<b>106</b>	<b>101</b>	<b>95.3</b>	<b>860</b>	<b>838</b>	<b>97.4</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Au Sable Twp.	0	0	0	0	0	0	0	0	0
Backus Twp.	0	0	0	0	0	0	0	0	0
Denton Twp.	12	7	7	9	0	1	1	0	7
Gerrish Twp.	4	3	3	4	0	0	0	0	4
Higgins Twp.	3	2	2	2	0	0	0	0	2
Lake Twp.	0	0	0	0	0	0	0	0	0
Lyon Twp.	4	3	3	3	0	0	3	0	0
Markey Twp.	5	3	2	4	0	0	0	0	4
Nester Twp.	0	0	0	0	0	0	0	0	0
Richfield Twp.	1	2	1	1	0	0	0	0	1
Roscommon	0	0	0	0	0	0	0	0	0
Roscommon Twp.	12	5	5	7	0	0	1	0	6
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Roscommon County TOTAL</b>	<b>41</b>	<b>25</b>	<b>23</b>	<b>30</b>	<b>0</b>	<b>1</b>	<b>5</b>	<b>0</b>	<b>24</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Au Sable Twp.	18	0	0	4	0	0	0	0	3	0	0	1
Backus Twp.	33	0	0	7	0	0	0	0	4	0	0	1
Denton Twp.	147	1	1	70	8	0	0	11	6	0	0	1
Gerrish Twp.	103	0	0	15	4	0	0	0	14	0	0	6
Higgins Twp.	71	0	0	6	2	0	0	0	9	0	0	1
Lake Twp.	44	0	0	13	0	0	0	0	6	0	0	5
Lyon Twp.	52	0	0	7	3	0	0	0	11	0	0	5
Markey Twp.	63	0	0	7	4	0	0	0	9	0	0	3
Nester Twp.	13	0	0	3	0	0	0	0	3	0	0	1
Richfield Twp.	81	0	0	10	1	0	0	0	8	0	0	5
Roscommon	18	0	0	0	0	0	0	0	1	0	0	0
Roscommon Twp.	160	0	0	45	7	0	0	1	23	0	0	5
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Roscommon County TOTAL</b>	<b>803</b>	<b>1</b>	<b>1</b>	<b>187</b>	<b>29</b>	<b>0</b>	<b>0</b>	<b>12</b>	<b>97</b>	<b>0</b>	<b>0</b>	<b>34</b>

**Restraint use among reported vehicle occupants by municipality**

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Au Sable Twp.	20	19	95.0	0	0	0.0	0	0	0.0	3	2	66.7	1	1	100.0	16	16	100.0
Backus Twp.	40	39	97.5	0	0	0.0	0	0	0.0	2	2	100.0	5	5	100.0	33	32	97.0
Denton Twp.	265	245	92.5	1	0	0.0	8	5	62.5	11	9	81.8	49	47	95.9	189	183	96.8
Gerrish Twp.	119	108	90.8	0	0	0.0	3	1	33.3	5	4	80.0	7	7	100.0	96	96	100.0
Higgins Twp.	78	75	96.2	0	0	0.0	0	0	0.0	1	1	100.0	5	5	100.0	71	69	97.2
Lake Twp.	62	56	90.3	0	0	0.0	1	1	100.0	3	3	100.0	9	7	77.8	47	45	95.7
Lyon Twp.	57	54	94.7	0	0	0.0	0	0	0.0	3	3	100.0	4	4	100.0	48	47	97.9
Markey Twp.	73	71	97.3	0	0	0.0	2	2	100.0	1	1	100.0	4	4	100.0	66	64	97.0
Nester Twp.	14	13	92.9	0	0	0.0	0	0	0.0	2	1	50.0	1	1	100.0	11	11	100.0
Richfield Twp.	96	94	97.9	0	0	0.0	1	1	100.0	7	7	100.0	2	2	100.0	85	83	97.6
Roscommon	31	27	87.1	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	27	26	96.3
Roscommon Twp.	218	204	93.6	0	0	0.0	3	2	66.7	20	18	90.0	19	18	94.7	171	166	97.1
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Roscommon County TOTAL</b>	<b>1,073</b>	<b>1,005</b>	<b>93.7</b>	<b>1</b>	<b>0</b>	<b>0.0</b>	<b>18</b>	<b>12</b>	<b>66.7</b>	<b>58</b>	<b>51</b>	<b>87.9</b>	<b>106</b>	<b>101</b>	<b>95.3</b>	<b>860</b>	<b>838</b>	<b>97.4</b>

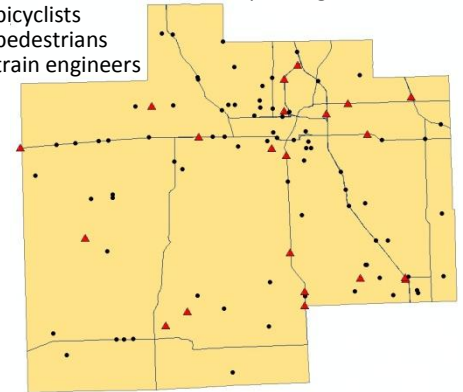
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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	566	2	94	470	2	131
February	518	1	77	440	1	97
March	419	2	55	362	2	72
April	369	1	75	293	1	116
May	406	1	73	332	1	101
June	412	1	81	330	1	109
July	435	5	107	323	6	156
August	364	4	78	282	4	125
September	404	1	84	319	1	132
October	570	2	94	474	2	137
November	603	1	102	500	1	149
December	500	0	105	395	0	147
<b>TOTAL</b>	<b>5,566</b>	<b>21</b>	<b>1,025</b>	<b>4,520</b>	<b>22</b>	<b>1,472</b>

## In Saginaw County in 2011 there were:

- 5,566** crashes
- Involving:**
- 11,222** people
- 11,160** motor vehicle drivers and passengers
- 23** bicyclists
- 37** pedestrians
- 2** train engineers



Crashes by most severe injury (mapped/actual)  
 ▲ Fatal (21/21)  
 ● Incapacitating (A) (80/80)

## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	40,857	944	21	5.1	222.5
16 - 20	16,547	9,951	1,268	766.3	1274.2
21 - 64	112,164	101,379	6,556	584.5	646.7
65 +	30,601	26,740	913	298.4	341.4
Other/Unknown	--	--	426	--	--
<b>TOTAL</b>	<b>200,169</b>	<b>139,014</b>	<b>9,184</b>	<b>458.8</b>	<b>660.7</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	6,860	74.7	23	71.9	1,297	5,540
Van, motorhome	543	5.9	1	3.1	106	436
Pickup truck	1,158	12.6	4	12.5	207	947
Small truck under 10,000 lbs. GVWR	242	2.6	0	0.0	51	191
Cycle	71	0.8	2	6.3	55	14
Moped	10	0.1	0	0.0	9	1
Go Cart	1	0.0	0	0.0	0	1
Snowmobile	0	0.0	0	0.0	0	0
Off-Road Vehicle (ORV) / All-Terrain Vehicle (ATV)	0	0.0	0	0.0	0	0
Other	30	0.3	1	3.1	5	24
Truck/bus over 10,000 lbs.	167	1.8	1	3.1	26	140
Unknown	102	1.1	0	0.0	12	90
<b>TOTAL</b>	<b>9,184</b>	<b>100.0</b>	<b>32</b>	<b>100.0</b>	<b>1,768</b>	<b>7,384</b>

## Saginaw County Experience

Saginaw County experienced the highest number of fatal crashes (5) and the highest number of persons killed (6) in July.

Saginaw County driver statistics indicate 7.2 percent of licensed drivers were age 16-20, and 13.8 percent of drivers in that age group were involved in crashes.

In Saginaw County, motorcycles only accounted for 0.8 percent of the total vehicles in crashes, but were involved in 6.3 percent of the total fatal crashes.



Crash Type								
	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	2,129	38.3	11	52.4	34	108	203	1,773
Head On	67	1.2	3	14.3	10	8	13	33
Head On - Left Turn	140	2.5	1	4.8	2	25	35	77
Angle	1,232	22.1	3	14.3	21	69	208	931
Rear End	989	17.8	2	9.5	7	25	132	823
Rear End - Left Turn	69	1.2	0	0.0	1	7	13	48
Rear End - Right Turn	36	0.6	0	0.0	0	1	3	32
Sideswipe - Same Direction	521	9.4	0	0.0	1	16	28	476
Sideswipe - Opposite Direct	95	1.7	1	4.8	2	3	6	83
Other/Unknown	288	5.2	0	0.0	2	11	31	244
<b>Total</b>	<b>5,566</b>	<b>100.0</b>	<b>21</b>	<b>100.0</b>	<b>80</b>	<b>273</b>	<b>672</b>	<b>4,520</b>

Relationship to Roadway								
Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	4,640	83.4	13	61.9	56	200	528	3,843
Median	64	1.1	0	0.0	1	7	11	45
Shoulder	281	5.0	4	19.0	7	18	40	212
Outside of Shoulder/Curb	488	8.8	3	14.3	15	39	80	351
Gore	29	0.5	1	4.8	1	6	2	19
Other/Unknown	64	1.1	0	0.0	0	3	11	50
<b>Total</b>	<b>5,566</b>	<b>100.0</b>	<b>21</b>	<b>100.0</b>	<b>80</b>	<b>273</b>	<b>672</b>	<b>4,520</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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	31	27	18	21	0	2	5	3	11
21 - 64	244	188	154	181	2	11	35	41	92
65 +	10	9	2	5	0	1	0	0	4
Other/Unknown	14	3	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>299</b>	<b>227</b>	<b>174</b>	<b>207</b>	<b>2</b>	<b>14</b>	<b>40</b>	<b>44</b>	<b>107</b>

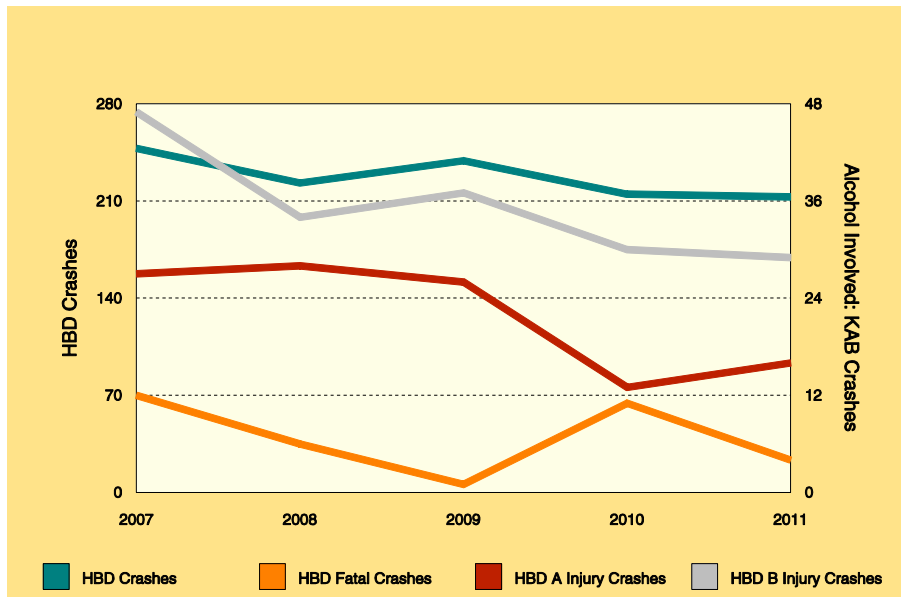
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

SAGINAW	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	6,309	248	3.9	26	12	46.2	145	27	18.6	292	47	16.1
2008	6,206	223	3.6	24	6	25.0	104	28	26.9	268	34	12.7
2009	5,868	239	4.1	8	1	12.5	91	26	28.6	239	37	15.5
2010	5,874	215	3.7	23	11	47.8	73	13	17.8	260	30	11.5
2011	5,566*	213*	3.8	21	4	19.0	80	16	20.0	273	29*	10.6

\* Lowest number reported in the 5-year period.

## Restraint use among reported vehicle occupants by vehicle type

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	7,173	6,625	92.4	13	10	76.9	75	58	77.3	257	232	90.3	747	701	93.8	5,861	5,621	95.9
Van, motorhome	585	531	90.8	0	0	0.0	4	3	75.0	14	12	85.7	74	63	85.1	479	453	94.6
Pickup truck	1,191	1,072	90.0	4	2	50.0	12	8	66.7	42	33	78.6	85	80	94.1	1,004	948	94.4
Small truck under 10,000 lbs. GVWR	254	232	91.3	0	0	0.0	1	1	100.0	10	9	90.0	26	24	92.3	208	198	95.2
Cycle	78	73	93.6	2	2	100.0	9	9	100.0	24	23	95.8	25	23	92.0	17	16	94.1
Moped	10	5	50.0	0	0	0.0	0	0	0.0	6	2	33.3	3	2	66.7	1	1	100.0
Go Cart	1	1	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0
Snowmobile	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Off-Road Vehicle (ORV) /All-Terrain Vehicle (ATV)	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Other	30	18	60.0	0	0	0.0	0	0	0.0	0	0	0.0	2	0	0.0	25	18	72.0
Truck/bus over 10,000 lbs.	168	146	86.9	0	0	0.0	0	0	0.0	1	1	100.0	7	6	85.7	156	139	89.1
Uncoded & errors	102	2	2.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0
<b>TOTAL</b>	<b>9,592</b>	<b>8,705</b>	<b>90.8</b>	<b>19</b>	<b>14</b>	<b>73.7</b>	<b>101</b>	<b>79</b>	<b>78.2</b>	<b>354</b>	<b>312</b>	<b>88.1</b>	<b>969</b>	<b>899</b>	<b>92.8</b>	<b>7,754</b>	<b>7,397</b>	<b>95.4</b>

## Restraint use among reported vehicle occupants by age

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	116	101	87.1	1	0	0.0	6	4	66.7	20	18	90.0	70	65	92.9	19	14	73.7
16 - 20	1,345	1,270	94.4	1	1	100.0	22	19	86.4	74	58	78.4	144	133	92.4	1,102	1,059	96.1
21 - 64	6,745	6,403	94.9	11	7	63.6	62	45	72.6	224	200	89.3	632	584	92.4	5,800	5,564	95.9
65 +	960	927	96.6	6	6	100.0	11	11	100.0	36	36	100.0	122	117	95.9	783	757	96.7
Other/Unknown	426	4	0.9	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0	50	3	6.0
<b>TOTAL</b>	<b>9,592</b>	<b>8,705</b>	<b>90.8</b>	<b>19</b>	<b>14</b>	<b>73.7</b>	<b>101</b>	<b>79</b>	<b>78.2</b>	<b>354</b>	<b>312</b>	<b>88.1</b>	<b>969</b>	<b>899</b>	<b>92.8</b>	<b>7,754</b>	<b>7,397</b>	<b>95.4</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Albee Twp.	3	1	1	3	0	0	0	0	3
Birch Run	1	2	1	1	0	0	0	0	1
Birch Run Twp.	19	11	9	12	1	1	2	4	4
Blumfield Twp.	0	1	0	0	0	0	0	0	0
Brady Twp.	2	3	2	2	0	0	0	1	1
Brant Twp.	7	6	6	7	0	0	1	0	6
Bridgeport Twp.	16	12	11	12	0	0	1	5	6
Buena Vista Twp.	7	10	5	6	1	0	4	0	1
Carrollton Twp.	8	6	5	6	0	0	0	3	3
Chapin Twp.	1	1	1	1	0	0	0	0	1
Chesaning	3	2	2	2	0	1	1	0	0
Chesaning Twp.	3	2	1	2	0	0	0	1	1
Frankenmuth	4	4	3	3	0	0	1	2	0
Frankenmuth Twp.	5	5	4	4	0	1	1	2	0
Fremont Twp.	1	2	1	1	0	0	1	0	0
James Twp.	4	3	3	4	0	0	0	1	3
Jonesfield Twp.	1	1	0	1	0	0	0	0	1
Kochville Twp.	14	12	8	10	0	2	3	1	4
Lakefield Twp.	1	1	1	1	0	1	0	0	0
Maple Grove Twp.	1	1	1	1	0	0	1	0	0
Marion Twp.	0	0	0	0	0	0	0	0	0
Merrill	0	0	0	0	0	0	0	0	0
Oakley	0	1	0	0	0	0	0	0	0
Richland Twp.	7	3	3	4	0	0	0	1	3
Saginaw	75	42	32	42	0	1	7	11	23
Saginaw Twp.	44	31	26	26	0	1	3	4	18
St. Charles	0	0	0	0	0	0	0	0	0
St. Charles Twp.	4	5	4	4	0	0	1	1	2
Spaulding Twp.	8	3	3	5	0	0	0	1	4
Swan Creek Twp.	6	4	4	6	0	0	1	1	4
Taymouth Twp.	12	13	9	10	0	1	4	0	5
Thomas Twp.	22	22	14	15	0	3	3	3	6
Tittabawassee Twp.	16	13	10	12	0	2	4	1	5
Zilwaukee	2	2	2	2	0	0	0	0	2
Zilwaukee Twp.	2	2	2	2	0	0	1	1	0
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Saginaw County TOTAL</b>	<b>299</b>	<b>227</b>	<b>174</b>	<b>207</b>	<b>2</b>	<b>14</b>	<b>40</b>	<b>44</b>	<b>107</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Albee Twp.	29	1	1	17	3	0	0	2	12	1	1	9
Birch Run	90	1	1	15	1	0	0	1	9	0	0	0
Birch Run Twp.	227	1	1	77	12	0	0	4	62	1	1	17
Blumfield Twp.	60	1	1	22	0	0	0	0	10	1	1	2
Brady Twp.	52	0	0	13	2	0	0	2	7	0	0	3
Brant Twp.	43	0	0	7	7	0	0	5	4	0	0	1
Bridgeport Twp.	248	0	0	85	13	0	0	11	60	0	0	20
Buena Vista Twp.	334	3	3	86	6	2	2	3	96	2	2	25
Carrollton Twp.	52	0	0	11	6	0	0	2	6	0	0	5
Chapin Twp.	27	0	0	3	1	0	0	0	4	0	0	2
Chesaning	49	0	0	5	2	0	0	0	1	0	0	0
Chesaning Twp.	80	2	2	19	2	0	0	0	12	1	1	8
Frankenmuth	82	0	0	28	3	0	0	1	5	0	0	1
Frankenmuth Twp.	80	0	0	24	4	0	0	3	25	0	0	5
Fremont Twp.	81	1	1	17	1	0	0	1	13	1	1	2
James Twp.	36	0	0	9	4	0	0	2	5	0	0	1
Jonesfield Twp.	39	0	0	11	1	0	0	1	7	0	0	1
Kochville Twp.	223	1	1	54	10	0	0	4	31	0	0	9
Lakefield Twp.	31	0	0	7	1	0	0	0	3	0	0	1
Maple Grove Twp.	71	0	0	12	1	0	0	0	12	0	0	4
Marion Twp.	20	0	0	1	0	0	0	0	2	0	0	0
Merrill	11	0	0	1	0	0	0	0	0	0	0	0
Oakley	6	0	0	0	0	0	0	0	0	0	0	0
Richland Twp.	120	0	0	25	4	0	0	8	6	0	0	1
Saginaw	1,458	3	3	371	47	0	0	29	76	1	1	9
Saginaw Twp.	1,054	0	0	279	26	0	0	17	58	0	0	10
St. Charles	20	0	0	2	0	0	0	0	0	0	0	0
St. Charles Twp.	77	0	0	15	4	0	0	2	10	0	0	2
Spaulding Twp.	46	0	0	16	5	0	0	7	6	0	0	7
Swan Creek Twp.	76	0	0	16	6	0	0	3	12	0	0	4
Taymouth Twp.	109	3	3	45	11	1	1	9	34	0	0	18
Thomas Twp.	312	3	4	91	15	0	0	8	44	0	0	13
Tittabawassee Twp.	236	0	0	73	11	0	0	11	32	0	0	13
Zilwaukee	52	0	0	8	2	0	0	2	12	0	0	3
Zilwaukee Twp.	35	1	1	7	2	1	1	0	11	0	0	3
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Saginaw County TOTAL</b>	<b>5,566</b>	<b>21</b>	<b>22</b>	<b>1,472</b>	<b>213</b>	<b>4</b>	<b>4</b>	<b>138</b>	<b>687</b>	<b>8</b>	<b>8</b>	<b>199</b>

Restraint use among reported vehicle occupants by municipality

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Albee Twp.	39	33	84.6	1	1	100.0	1	0	0.0	2	2	100.0	14	11	78.6	20	19	95.0
Birch Run	171	160	93.6	1	1	100.0	2	2	100.0	0	0	100.0	13	12	92.3	151	145	96.0
Birch Run Twp.	377	347	92.0	1	1	100.0	10	6	60.0	21	20	95.2	46	43	93.5	288	277	96.2
Blumfield Twp.	90	86	95.6	1	1	100.0	3	3	100.0	6	6	100.0	13	13	100.0	65	63	96.9
Brady Twp.	64	61	95.3	0	0	0.0	6	5	83.3	4	4	100.0	3	3	100.0	49	49	100.0
Brant Twp.	51	45	88.2	0	0	0.0	1	1	100.0	3	1	33.3	3	3	100.0	43	40	93.0
Bridgeport Twp.	373	339	90.9	0	0	0.0	5	4	80.0	23	17	73.9	56	52	92.9	274	266	97.1
Buena Vista Twp.	525	416	79.2	3	2	66.7	3	3	100.0	25	20	80.0	54	46	85.2	425	345	81.2
Carrollton Twp.	90	57	63.3	0	0	0.0	0	0	0.0	3	1	33.3	8	5	62.5	71	51	71.8
Chapin Twp.	28	28	100.0	0	0	0.0	2	2	100.0	1	1	100.0	0	0	0.0	25	25	100.0
Chesaning	84	65	77.4	0	0	0.0	0	0	0.0	1	1	100.0	3	3	100.0	73	61	83.6
Chesaning Twp.	110	106	96.4	2	1	50.0	0	0	0.0	6	6	100.0	13	12	92.3	89	87	97.8
Frankenmuth	169	161	95.3	0	0	0.0	0	0	0.0	5	4	80.0	21	21	100.0	138	136	98.6
Frankenmuth Twp.	103	97	94.2	0	0	0.0	1	0	0.0	6	4	66.7	17	15	88.2	79	78	98.7
Fremont Twp.	93	93	100.0	1	1	100.0	3	3	100.0	7	7	100.0	7	7	100.0	75	75	100.0
James Twp.	50	48	96.0	0	0	0.0	0	0	0.0	1	1	100.0	7	7	100.0	41	39	95.1
Jonesfield Twp.	55	53	96.4	0	0	0.0	3	3	100.0	2	2	100.0	6	5	83.3	43	43	100.0
Kochville Twp.	388	365	94.1	0	0	0.0	3	3	100.0	12	12	100.0	39	38	97.4	324	311	96.0
Lakefield Twp.	39	39	100.0	0	0	0.0	1	1	100.0	0	0	0.0	6	6	100.0	32	32	100.0
Maple Grove Twp.	85	84	98.8	0	0	0.0	2	2	100.0	3	3	100.0	7	6	85.7	73	73	100.0
Marion Twp.	24	22	91.7	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	23	21	91.3
Merrill	21	18	85.7	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	19	17	89.5
Oakley	9	7	77.8	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	9	7	77.8
Richland Twp.	158	153	96.8	0	0	0.0	5	5	100.0	7	7	100.0	12	11	91.7	130	129	99.2
Saginaw	2,867	2,522	88.0	1	0	0.0	11	6	54.5	65	60	92.3	265	246	92.8	2,335	2,209	94.6
Saginaw Twp.	2,110	2,008	95.2	0	0	0.0	10	8	80.0	72	64	88.9	195	189	96.9	1,766	1,747	98.9
St. Charles	33	30	90.9	0	0	0.0	0	0	0.0	1	1	100.0	0	0	0.0	30	29	96.7
St. Charles Twp.	90	84	93.3	0	0	0.0	2	2	100.0	5	3	60.0	8	6	75.0	74	73	98.6
Spaulding Twp.	71	56	78.9	0	0	0.0	2	1	50.0	3	2	66.7	11	9	81.8	48	44	91.7
Swan Creek Twp.	93	87	93.5	0	0	0.0	3	2	66.7	4	3	75.0	9	9	100.0	75	73	97.3
Taymouth Twp.	150	132	88.0	3	1	33.3	9	6	66.7	16	14	87.5	19	17	89.5	98	94	95.9
Thomas Twp.	490	459	93.7	4	4	100.0	5	5	100.0	21	19	90.5	63	57	90.5	382	374	97.9
Tittabawassee Twp.	375	336	89.6	0	0	0.0	8	6	75.0	27	25	92.6	36	32	88.9	291	273	93.8
Zilwaukee	72	64	88.9	0	0	0.0	0	0	0.0	1	1	100.0	7	7	100.0	59	56	94.9
Zilwaukee Twp.	45	44	97.8	1	1	100.0	0	0	0.0	1	1	100.0	6	6	100.0	37	36	97.3
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Saginaw County TOTAL</b>	<b>9,592</b>	<b>8,705</b>	<b>90.8</b>	<b>19</b>	<b>14</b>	<b>73.7</b>	<b>101</b>	<b>79</b>	<b>78.2</b>	<b>354</b>	<b>312</b>	<b>88.1</b>	<b>969</b>	<b>899</b>	<b>92.8</b>	<b>7,754</b>	<b>7,397</b>	<b>95.4</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	376	0	64	312	0	91
February	369	1	60	308	1	79
March	365	0	72	293	0	96
April	245	3	48	194	3	69
May	292	1	63	228	1	81
June	322	0	77	245	0	109
July	311	3	82	226	3	111
August	265	1	70	194	1	92
September	324	1	81	242	1	110
October	373	4	76	293	4	109
November	397	1	71	325	1	95
December	336	1	60	275	1	85
<b>TOTAL</b>	<b>3,975</b>	<b>16</b>	<b>824</b>	<b>3,135</b>	<b>16</b>	<b>1,127</b>

In St. Clair County in 2011 there were:  
3,975 crashes

Involving:

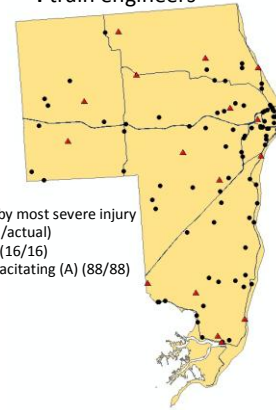
7,839 people

7,783 motor vehicle drivers and passengers

28 bicyclists

24 pedestrians

4 train engineers



## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	33,545	936	11	3.3	117.5
16 - 20	11,275	9,152	880	780.5	961.5
21 - 64	94,549	90,090	4,565	482.8	506.7
65 +	23,671	21,732	575	242.9	264.6
Other/Unknown	--	--	431	--	--
<b>TOTAL</b>	<b>163,040</b>	<b>121,910</b>	<b>6,462</b>	<b>396.3</b>	<b>530.1</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	4,654	72.0	13	59.1	1,038	3,603
Van, motorhome	329	5.1	1	4.5	64	264
Pickup truck	975	15.1	4	18.2	225	746
Small truck under 10,000 lbs. GVWR	174	2.7	0	0.0	39	135
Cycle	52	0.8	3	13.6	39	10
Moped	4	0.1	0	0.0	3	1
Go Cart	0	0.0	0	0.0	0	0
Snowmobile	2	0.0	0	0.0	2	0
Off-Road Vehicle (ORV) / All-Terrain Vehicle (ATV)	4	0.1	0	0.0	2	2
Other	29	0.4	0	0.0	7	22
Truck/bus over 10,000 lbs.	147	2.3	1	4.5	30	116
Unknown	92	1.4	0	0.0	6	86
<b>TOTAL</b>	<b>6,462</b>	<b>100.0</b>	<b>22</b>	<b>100.0</b>	<b>1,455</b>	<b>4,985</b>

## St. Clair County Experience

St. Clair County experienced the highest number of fatal crashes (4) and the highest number of persons killed (4) October.

St. Clair County driver statistics indicate 7.5 percent of licensed drivers were age 16-20, and 13.6 percent of drivers in that age group were involved in crashes.

In St. Clair County, motorcycles accounted for only 0.8 percent of the total vehicles in crashes, but were involved in 13.6 percent of the total fatal crashes.



## Crash Type

	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	1,643	41.3	10	62.5	35	77	154	1,367
Head On	64	1.6	3	18.8	5	5	24	27
Head On - Left Turn	106	2.7	0	0.0	6	7	35	58
Angle	705	17.7	2	12.5	19	38	137	509
Rear End	778	19.6	0	0.0	13	19	158	588
Rear End - Left Turn	63	1.6	0	0.0	2	4	11	46
Rear End - Right Turn	39	1.0	1	6.3	0	1	7	30
Sideswipe - Same Direction	328	8.3	0	0.0	3	4	23	298
Sideswipe - Opposite Direct	86	2.2	0	0.0	0	3	15	68
Other/Unknown	163	4.1	0	0.0	5	3	11	144
<b>Total</b>	<b>3,975</b>	<b>100.0</b>	<b>16</b>	<b>100.0</b>	<b>88</b>	<b>161</b>	<b>575</b>	<b>3,135</b>

## Relationship to Roadway

Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	3,241	81.5	8	50.0	66	102	462	2,603
Median	21	0.5	0	0.0	0	2	0	19
Shoulder	237	6.0	1	6.3	3	12	24	197
Outside of Shoulder/Curb	380	9.6	7	43.8	13	38	71	251
Gore	48	1.2	0	0.0	3	5	8	32
Other/Unknown	48	1.2	0	0.0	3	2	10	33
<b>Total</b>	<b>3,975</b>	<b>100.0</b>	<b>16</b>	<b>100.0</b>	<b>88</b>	<b>161</b>	<b>575</b>	<b>3,135</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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	23	22	14	16	0	3	7	3	3
21 - 64	242	176	131	185	2	18	42	28	95
65 +	7	7	3	5	0	0	0	2	3
Other/Unknown	18	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>290</b>	<b>205</b>	<b>148</b>	<b>206</b>	<b>2</b>	<b>21</b>	<b>49</b>	<b>33</b>	<b>101</b>

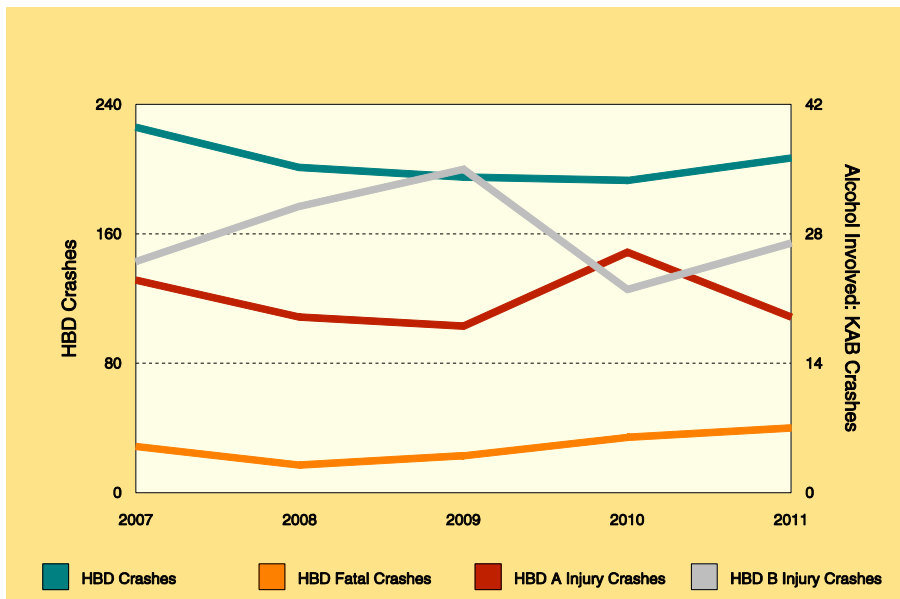
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

ST. CLAIR	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	4,425	226	5.1	17	5	29.4	114	23	20.2	209	25	12.0
2008	4,328	201	4.6	17	3	17.7	82	19	23.2	239	31	13.0
2009	3,812	195	5.1	16	4	25.0	94	18	19.2	209	35	16.8
2010	3,958	193	4.9	23	6	26.1	101	26	25.7	187	22	11.8
2011	3,975	207	5.2	16	7*	43.8	88	19	21.6	161**	27	16.8

\* Highest number reported in the 5-year period. \*\* Lowest number reported in the 5-year period.

**Restraint use among reported vehicle occupants by vehicle type**

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	4,907	4,482	91.3	9	5	55.6	73	59	80.8	132	107	81.1	615	579	94.1	3,857	3,730	96.7
Van, motorhome	345	322	93.3	1	1	100.0	5	4	80.0	7	7	100.0	34	31	91.2	284	279	98.2
Pickup truck	1,001	895	89.4	2	1	50.0	12	5	41.7	33	25	75.8	84	78	92.9	811	786	96.9
Small truck under 10,000 lbs. GVWR	181	176	97.2	0	0	0.0	2	2	100.0	1	1	100.0	24	21	87.5	152	152	100.0
Cycle	57	52	91.2	2	1	50.0	10	7	70.0	16	16	100.0	18	18	100.0	10	10	100.0
Moped	4	1	25.0	0	0	0.0	1	1	100.0	2	0	0.0	0	0	0.0	0	0	0.0
Go 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	2	1	50.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	0	0	0.0
Off-Road Vehicle (ORV) /All-Terrain Vehicle (ATV)	4	1	25.0	0	0	0.0	1	0	0.0	1	0	0.0	0	0	0.0	1	0	0.0
Other	31	11	35.5	0	0	0.0	0	0	0.0	0	0	0.0	5	2	40.0	24	9	37.5
Truck/bus over 10,000 lbs.	155	140	90.3	0	0	0.0	1	1	100.0	2	1	50.0	12	5	41.7	137	133	97.1
Uncoded & errors	92	2	2.2	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	3	1	33.3
<b>TOTAL</b>	<b>6,779</b>	<b>6,083</b>	<b>89.7</b>	<b>14</b>	<b>8</b>	<b>57.1</b>	<b>105</b>	<b>79</b>	<b>75.2</b>	<b>194</b>	<b>157</b>	<b>80.9</b>	<b>793</b>	<b>735</b>	<b>92.7</b>	<b>5,279</b>	<b>5,100</b>	<b>96.6</b>

**Restraint use among reported vehicle occupants by age**

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	96	79	82.3	0	0	0.0	9	6	66.7	17	13	76.5	59	50	84.7	11	10	90.9
16 - 20	935	892	95.4	3	1	33.3	18	12	66.7	33	27	81.8	122	109	89.3	758	742	97.9
21 - 64	4,713	4,517	95.8	9	5	55.6	73	58	79.5	129	105	81.4	536	502	93.7	3,962	3,847	97.1
65 +	603	588	97.5	2	2	100.0	5	3	60.0	15	12	80.0	75	73	97.3	505	498	98.6
Other/Unknown	432	7	1.6	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	43	3	7.0
<b>TOTAL</b>	<b>6,779</b>	<b>6,083</b>	<b>89.7</b>	<b>14</b>	<b>8</b>	<b>57.1</b>	<b>105</b>	<b>79</b>	<b>75.2</b>	<b>194</b>	<b>157</b>	<b>80.9</b>	<b>793</b>	<b>735</b>	<b>92.7</b>	<b>5,279</b>	<b>5,100</b>	<b>96.6</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Algonac	0	0	0	0	0	0	0	0	0
Berlin Twp.	10	5	4	8	0	2	0	1	5
Brockway Twp.	4	3	2	3	0	1	0	1	1
Burtchville Twp.	10	5	5	5	0	0	3	1	1
Capac	0	0	0	0	0	0	0	0	0
Casco Twp.	7	5	4	5	0	2	2	0	1
China Twp.	8	5	3	6	0	2	0	0	4
Clay Twp.	19	17	11	13	0	0	0	2	11
Clyde Twp.	11	8	8	11	0	1	4	1	5
Columbus Twp.	4	5	2	3	0	0	1	0	2
Cottrellville Twp.	5	5	3	4	0	1	0	0	3
East China Twp.	1	0	0	1	0	0	0	0	1
Emmett	0	0	0	0	0	0	0	0	0
Emmett Twp.	5	2	2	5	0	1	1	0	3
Fort Gratiot Twp.	16	7	5	12	0	1	0	2	9
Grant Twp.	1	2	1	1	0	0	0	1	0
Greenwood Twp.	2	1	1	2	1	0	0	0	1
Ira Twp.	10	6	5	7	0	1	2	2	2
Kenockee Twp.	5	4	2	4	0	0	2	0	2
Kimball Twp.	20	12	9	15	0	3	2	2	8
Lynn Twp.	1	1	1	1	0	0	0	0	1
Marine City	1	3	1	1	0	0	1	0	0
Marysville	10	5	5	6	0	0	2	2	2
Memphis	0	0	0	0	0	0	0	0	0
Mussey Twp.	1	4	1	1	0	0	1	0	0
Port Huron	81	53	39	48	0	1	18	9	20
Port Huron Twp.	17	15	9	14	0	3	2	1	8
Richmond	0	0	0	0	0	0	0	0	0
Riley Twp.	9	6	6	8	0	1	1	3	3
St. Clair	12	7	7	8	0	0	3	2	3
St. Clair Twp.	10	9	6	7	0	0	1	3	3
Wales Twp.	6	5	4	5	0	1	2	0	2
Yale	4	5	2	2	1	0	1	0	0
Unknown Community	0	0	0	0	0	0	0	0	0
<b>St. Clair County TOTAL</b>	<b>290</b>	<b>205</b>	<b>148</b>	<b>206</b>	<b>2</b>	<b>21</b>	<b>49</b>	<b>33</b>	<b>101</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Algonac	23	0	0	11	0	0	0	0	0	0	0	0
Berlin Twp.	65	1	1	19	8	1	1	5	18	1	1	13
Brockway Twp.	63	1	1	16	3	0	0	1	10	1	0	5
Burtchville Twp.	65	0	0	22	5	0	0	7	6	0	0	2
Capac	24	0	0	2	0	0	0	0	1	0	0	0
Casco Twp.	119	0	0	24	5	0	0	4	21	0	0	5
China Twp.	86	0	0	16	5	0	0	2	16	0	0	1
Clay Twp.	107	2	2	50	13	2	2	5	7	0	0	7
Clyde Twp.	88	1	1	32	11	1	1	7	25	1	1	11
Columbus Twp.	101	0	0	29	3	0	0	3	19	0	0	3
Cottrellville Twp.	69	1	1	36	4	0	0	2	16	0	0	8
East China Twp.	37	0	0	7	1	0	0	1	2	0	0	0
Emmett	3	0	0	0	0	0	0	0	0	0	0	0
Emmett Twp.	45	1	1	10	4	1	1	2	11	1	1	6
Fort Gratiot Twp.	276	1	1	99	12	0	0	5	17	0	0	5
Grant Twp.	33	1	1	3	1	0	0	0	4	0	0	1
Greenwood Twp.	45	0	0	6	2	0	0	0	5	0	0	2
Ira Twp.	131	2	2	52	7	0	0	6	13	1	1	6
Kenockee Twp.	59	1	1	7	4	0	0	1	8	1	1	1
Kimball Twp.	266	0	0	69	16	0	0	6	25	0	0	5
Lynn Twp.	40	0	0	8	1	0	0	0	9	0	0	1
Marine City	88	0	0	28	1	0	0	0	3	0	0	0
Marysville	201	1	1	79	6	0	0	6	7	0	0	3
Memphis	5	0	0	0	0	0	0	0	0	0	0	0
Mussey Twp.	81	0	0	15	1	0	0	0	19	0	0	5
Port Huron	1,049	0	0	272	51	0	0	28	26	0	0	5
Port Huron Twp.	356	1	1	97	13	1	1	5	63	1	1	18
Richmond	6	0	0	7	0	0	0	0	0	0	0	0
Riley Twp.	83	0	0	25	8	0	0	6	12	0	0	7
St. Clair	105	0	0	21	8	0	0	3	3	0	0	0
St. Clair Twp.	170	1	1	43	7	1	1	3	41	0	0	8
Wales Twp.	60	1	1	16	5	0	0	3	11	1	1	4
Yale	26	0	0	6	2	0	0	0	1	0	0	0
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>St. Clair County TOTAL</b>	<b>3,975</b>	<b>16</b>	<b>16</b>	<b>1,127</b>	<b>207</b>	<b>7</b>	<b>7</b>	<b>111</b>	<b>419</b>	<b>8</b>	<b>7</b>	<b>132</b>

Restraint use among reported vehicle occupants by municipality

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Algonac	42	34	81.0	0	0	0.0	1	1	100.0	2	1	50.0	8	8	100.0	30	24	80.0
Berlin Twp.	85	74	87.1	1	1	100.0	3	2	66.7	4	2	50.0	11	10	90.9	66	59	89.4
Brockway Twp.	86	79	91.9	1	0	0.0	5	3	60.0	2	1	50.0	9	8	88.9	69	67	97.1
Burtchville Twp.	97	92	94.8	0	0	0.0	0	0	0.0	9	8	88.9	13	11	84.6	74	73	98.6
Capac	43	39	90.7	0	0	0.0	1	1	100.0	0	0	0.0	0	0	0.0	38	38	100.0
Casco Twp.	149	136	91.3	0	0	0.0	1	1	100.0	5	5	100.0	18	17	94.4	121	113	93.4
China Twp.	123	114	92.7	0	0	0.0	1	1	100.0	1	0	0.0	14	13	92.9	103	100	97.1
Clay Twp.	173	163	94.2	2	0	0.0	6	6	100.0	12	11	91.7	30	29	96.7	120	117	97.5
Clyde Twp.	127	121	95.3	1	1	100.0	7	5	71.4	5	4	80.0	20	20	100.0	93	91	97.8
Columbus Twp.	135	125	92.6	0	0	0.0	2	1	50.0	9	8	88.9	15	15	100.0	105	101	96.2
Cottrellville Twp.	99	93	93.9	0	0	0.0	4	4	100.0	8	5	62.5	24	23	95.8	62	61	98.4
East China Twp.	53	44	83.0	0	0	0.0	0	0	0.0	2	0	0.0	5	5	100.0	40	39	97.5
Emmett	5	5	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	5	5	100.0
Emmett Twp.	53	49	92.5	1	0	0.0	0	0	0.0	4	2	50.0	6	6	100.0	42	41	97.6
Fort Gratiot Twp.	545	517	94.9	1	1	100.0	6	6	100.0	10	8	80.0	83	75	90.4	435	427	98.2
Grant Twp.	40	37	92.5	1	1	100.0	0	0	0.0	0	0	0.0	3	2	66.7	35	34	97.1
Greenwood Twp.	50	48	96.0	0	0	0.0	0	0	0.0	2	1	50.0	4	4	100.0	44	43	97.7
Ira Twp.	220	200	90.9	1	1	100.0	4	2	50.0	9	8	88.9	38	27	71.1	165	162	98.2
Kenockee Twp.	67	62	92.5	1	1	100.0	0	0	0.0	1	0	0.0	6	6	100.0	58	55	94.8
Kimball Twp.	429	402	93.7	0	0	0.0	8	6	75.0	14	14	100.0	46	44	95.7	345	337	97.7
Lynn Twp.	43	42	97.7	0	0	0.0	0	0	0.0	2	2	100.0	6	6	100.0	35	34	97.1
Marine City	168	129	76.8	0	0	0.0	3	3	100.0	4	2	50.0	18	18	100.0	118	106	89.8
Marysville	382	352	92.1	1	1	100.0	2	2	100.0	12	12	100.0	64	62	96.9	280	275	98.2
Memphis	8	8	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	8	8	100.0
Mussey Twp.	103	94	91.3	0	0	0.0	5	3	60.0	3	3	100.0	7	7	100.0	86	81	94.2
Port Huron	2,166	1,857	85.7	0	0	0.0	16	12	75.0	38	29	76.3	203	190	93.6	1,688	1,623	96.1
Port Huron Twp.	614	568	92.5	1	1	100.0	13	8	61.5	15	13	86.7	64	57	89.1	503	489	97.2
Richmond	13	13	100.0	0	0	0.0	0	0	0.0	0	0	0.0	7	7	100.0	6	6	100.0
Riley Twp.	106	97	91.5	0	0	0.0	5	3	60.0	6	4	66.7	14	13	92.9	80	77	96.3
St. Clair	191	152	79.6	0	0	0.0	2	1	50.0	2	2	100.0	16	15	93.8	137	134	97.8
St. Clair Twp.	239	228	95.4	1	0	0.0	8	8	100.0	8	7	87.5	26	24	92.3	192	189	98.4
Wales Twp.	72	64	88.9	1	0	0.0	1	0	0.0	4	4	100.0	11	9	81.8	52	51	98.1
Yale	53	45	84.9	0	0	0.0	1	0	0.0	1	1	100.0	4	4	100.0	44	40	90.9
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>St. Clair County TOTAL</b>	<b>6,779</b>	<b>6,083</b>	<b>89.7</b>	<b>14</b>	<b>8</b>	<b>57.1</b>	<b>105</b>	<b>79</b>	<b>75.2</b>	<b>194</b>	<b>157</b>	<b>80.9</b>	<b>793</b>	<b>735</b>	<b>92.7</b>	<b>5,279</b>	<b>5,100</b>	<b>96.6</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	236	1	33	202	1	43
February	180	0	18	162	0	23
March	100	1	15	84	1	19
April	101	0	23	78	0	31
May	91	0	21	70	0	30
June	123	1	26	96	1	33
July	101	0	19	82	0	25
August	106	0	23	83	0	29
September	143	0	21	122	0	26
October	152	1	21	130	1	30
November	217	2	29	186	2	36
December	136	1	17	118	1	19
<b>TOTAL</b>	<b>1,686</b>	<b>7</b>	<b>266</b>	<b>1,413</b>	<b>7</b>	<b>344</b>

In St. Joseph County in 2011 there were:

**1,686** crashes

**Involving:**

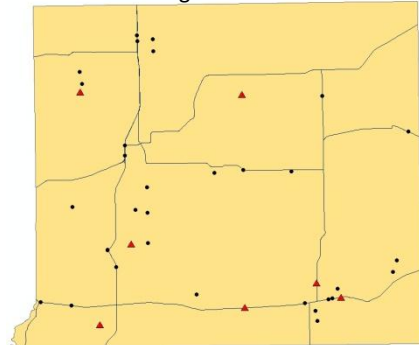
**2,756** people

**2,729** motor vehicle drivers and passengers

**11** bicyclists

**15** pedestrians

**1** train engineer



Crashes by most severe injury (mapped/actual)

▲ Fatal (7/7)

● Incapacitating (A) (32/32)

## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	13,970	282	4	2.9	141.8
16 - 20	4,146	2,967	284	685.0	957.2
21 - 64	34,076	31,217	1,652	484.8	529.2
65 +	9,103	8,216	242	265.8	294.5
Other/Unknown	--	--	113	--	--
<b>TOTAL</b>	<b>61,295</b>	<b>42,682</b>	<b>2,295</b>	<b>374.4</b>	<b>537.7</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	1,660	72.3	7	87.5	271	1,382
Van, motorhome	88	3.8	0	0.0	14	74
Pickup truck	379	16.5	1	12.5	60	318
Small truck under 10,000 lbs. GVWR	12	0.5	0	0.0	3	9
Cycle	28	1.2	0	0.0	23	5
Moped	6	0.3	0	0.0	4	2
Go Cart	1	0.0	0	0.0	0	1
Snowmobile	2	0.1	0	0.0	2	0
Off-Road Vehicle (ORV) / All-Terrain Vehicle (ATV)	2	0.1	0	0.0	2	0
Other	12	0.5	0	0.0	3	9
Truck/bus over 10,000 lbs.	78	3.4	0	0.0	11	67
Unknown	27	1.2	0	0.0	1	26
<b>TOTAL</b>	<b>2,295</b>	<b>100.0</b>	<b>8</b>	<b>100.0</b>	<b>394</b>	<b>1,893</b>

## St. Joseph County Experience

St. Joseph County experienced the highest number of fatal crashes (2) and the highest number of persons killed (2) in November.

St. Joseph County driver statistics indicate 7.0 percent of licensed drivers were age 16-20, and 12.4 percent of drivers in that age group were involved in crashes.



## Crash Type

	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	1,080	64.1	6	85.7	20	35	80	939
Head On	23	1.4	0	0.0	0	4	4	15
Head On - Left Turn	23	1.4	0	0.0	2	4	5	12
Angle	213	12.6	1	14.3	4	11	42	155
Rear End	148	8.8	0	0.0	2	5	17	124
Rear End - Left Turn	23	1.4	0	0.0	2	2	5	14
Rear End - Right Turn	8	0.5	0	0.0	0	0	0	8
Sideswipe - Same Direction	66	3.9	0	0.0	1	0	4	61
Sideswipe - Opposite Direct	16	0.9	0	0.0	0	0	0	16
Other/Unknown	86	5.1	0	0.0	1	8	8	69
<b>Total</b>	<b>1,686</b>	<b>100.0</b>	<b>7</b>	<b>100.0</b>	<b>32</b>	<b>69</b>	<b>165</b>	<b>1,413</b>

## Relationship to Roadway

Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	1,273	75.5	2	28.6	17	47	109	1,098
Median	3	0.2	0	0.0	0	0	0	3
Shoulder	99	5.9	1	14.3	3	5	9	81
Outside of Shoulder/Curb	283	16.8	4	57.1	12	17	44	206
Gore	9	0.5	0	0.0	0	0	2	7
Other/Unknown	19	1.1	0	0.0	0	0	1	18
<b>Total</b>	<b>1,686</b>	<b>100.0</b>	<b>7</b>	<b>100.0</b>	<b>32</b>	<b>69</b>	<b>165</b>	<b>1,413</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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	10	7	9	0	4	1	0	4
21 - 64	56	50	38	47	1	4	8	17	17
65 +	2	2	1	1	0	0	0	1	0
Other/Unknown	2	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>69</b>	<b>62</b>	<b>46</b>	<b>57</b>	<b>1</b>	<b>8</b>	<b>9</b>	<b>18</b>	<b>21</b>

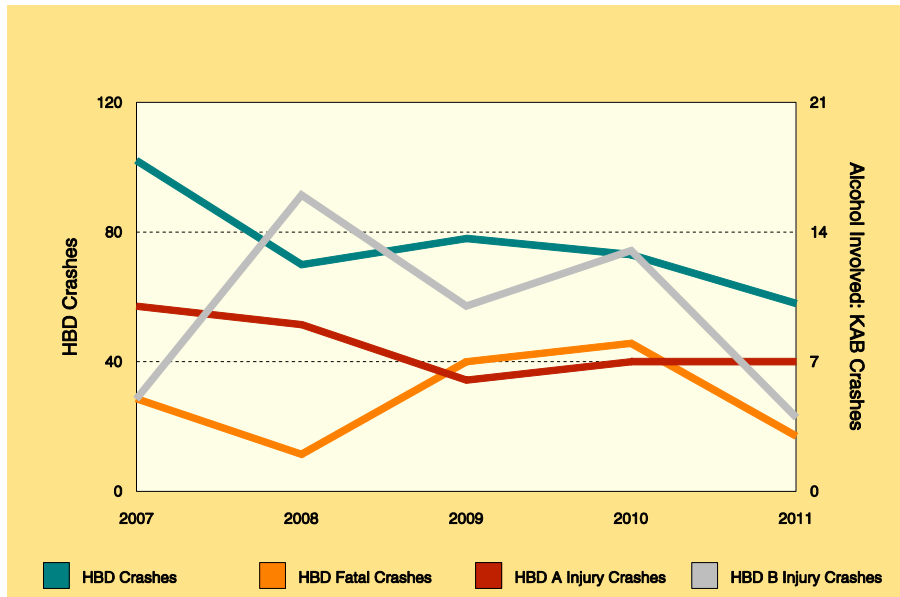
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

ST. JOSEPH	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	2,099	102	4.9	9	5	55.6	54	10	18.5	125	5	4.0
2008	1,859	70	3.8	11	2	18.2	44	9	20.5	87	16	18.4
2009	1,819	78	4.3	12	7	58.3	52	6	11.5	74	10	13.5
2010	1,660	73	4.4	14	8	57.1	40	7	17.5	43	13	30.2
2011	1,686	58*	3.4	7*	3	42.9	32*	7	21.9	69	4*	5.8

\* Lowest number reported in the 5-year period.

**Restraint use among reported vehicle occupants by vehicle type**

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	1,733	1,545	89.2	6	2	33.3	21	11	52.4	55	44	80.0	158	149	94.3	1,435	1,339	93.3
Van, motorhome	93	89	95.7	0	0	0.0	2	2	100.0	4	4	100.0	7	7	100.0	78	76	97.4
Pickup truck	389	343	88.2	0	0	0.0	4	3	75.0	7	6	85.7	31	27	87.1	334	307	91.9
Small truck under 10,000 lbs. GVWR	12	12	100.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	11	11	100.0
Cycle	31	29	93.5	0	0	0.0	6	5	83.3	12	12	100.0	8	8	100.0	5	4	80.0
Moped	6	1	16.7	0	0	0.0	1	0	0.0	2	0	0.0	1	1	100.0	2	0	0.0
Go Cart	1	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0
Snowmobile	2	1	50.0	0	0	0.0	0	0	0.0	2	1	50.0	0	0	0.0	0	0	0.0
Off-Road Vehicle (ORV) /All-Terrain Vehicle (ATV)	3	0	0.0	0	0	0.0	1	0	0.0	0	0	0.0	1	0	0.0	1	0	0.0
Other	13	5	38.5	0	0	0.0	1	0	0.0	0	0	0.0	1	1	100.0	11	4	36.4
Truck/bus over 10,000 lbs.	79	72	91.1	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0	77	72	93.5
Uncoded & errors	27	1	3.7	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0
<b>TOTAL</b>	<b>2,389</b>	<b>2,098</b>	<b>87.8</b>	<b>6</b>	<b>2</b>	<b>33.3</b>	<b>36</b>	<b>21</b>	<b>58.3</b>	<b>82</b>	<b>67</b>	<b>81.7</b>	<b>209</b>	<b>194</b>	<b>92.8</b>	<b>1,956</b>	<b>1,814</b>	<b>92.7</b>

**Restraint use among reported vehicle occupants by age**

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	32	22	68.8	0	0	0.0	5	1	20.0	4	2	50.0	19	16	84.2	4	3	75.0
16 - 20	305	286	93.8	3	2	66.7	4	4	100.0	22	21	95.5	32	30	93.8	244	229	93.9
21 - 64	1,691	1,547	91.5	3	0	0.0	22	12	54.5	52	40	76.9	135	126	93.3	1,478	1,369	92.6
65 +	248	243	98.0	0	0	0.0	5	4	80.0	4	4	100.0	23	22	95.7	216	213	98.6
Other/Unknown	113	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	14	0	0.0
<b>TOTAL</b>	<b>2,389</b>	<b>2,098</b>	<b>87.8</b>	<b>6</b>	<b>2</b>	<b>33.3</b>	<b>36</b>	<b>21</b>	<b>58.3</b>	<b>82</b>	<b>67</b>	<b>81.7</b>	<b>209</b>	<b>194</b>	<b>92.8</b>	<b>1,956</b>	<b>1,814</b>	<b>92.7</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Burr Oak	1	1	1	1	0	0	0	0	1
Burr Oak Twp.	1	1	1	1	0	0	0	0	1
Centreville	1	1	1	1	0	0	0	0	0
Colon	6	3	3	4	0	0	0	0	1
Colon Twp.	1	1	0	1	0	1	1	0	1
Constantine	3	3	2	2	0	1	0	0	0
Constantine Twp.	7	6	6	6	0	0	0	1	0
Fabius Twp.	2	3	2	2	0	0	4	2	0
Fawn River Twp.	1	0	0	1	0	1	2	1	4
Florence Twp.	2	2	1	2	0	0	1	0	1
Flowerfield Twp.	3	2	2	3	0	0	1	0	1
Leondias Twp.	1	1	1	1	0	0	0	0	2
Lockport Twp.	2	2	2	2	0	1	2	0	1
Mendon	2	1	1	1	0	0	0	0	0
Mendon Twp.	3	2	1	2	0	0	1	2	2
Mottville Twp.	2	4	2	2	0	1	0	1	0
Nottawa Twp.	5	3	3	5	0	0	0	2	2
Park Twp.	4	2	2	3	0	0	2	0	2
Sherman Twp.	2	2	2	2	0	0	1	2	1
Sturgis	6	5	3	5	0	0	1	3	2
Sturgis Twp	2	4	2	2	0	0	0	0	1
Three Rivers	8	10	5	5	0	1	4	5	2
White Pigeon	0	0	0	0	0	0	0	0	0
White Pigeon Twp	4	3	3	3	0	0	2	0	1
Unknown Community	0	0	0	0	0	0	0	0	0
<b>St. Joseph County TOTAL</b>	<b>69</b>	<b>62</b>	<b>46</b>	<b>57</b>	<b>0</b>	<b>6</b>	<b>22</b>	<b>19</b>	<b>26</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Burr Oak	8	0	0	1	1	0	0	0	0	0	0	0
Burr Oak Twp.	36	0	0	10	1	0	0	0	9	0	0	5
Centreville	23	0	0	3	1	0	0	0	3	0	0	0
Colon	22	0	0	3	4	0	0	1	2	0	0	0
Colon Twp.	57	0	0	6	1	0	0	0	9	0	0	1
Constantine	34	0	0	6	2	0	0	2	3	0	0	0
Constantine Twp.	67	0	0	13	6	0	0	0	17	0	0	4
Fabius Twp.	136	0	0	30	2	0	0	1	22	0	0	9
Fawn River Twp.	38	0	0	5	1	0	0	1	14	0	0	3
Florence Twp.	50	1	1	13	2	1	1	0	11	1	1	1
Flowerfield Twp.	48	1	1	3	3	1	1	2	6	1	1	0
Leondias Twp.	52	0	0	8	1	0	0	1	5	0	0	2
Lockport Twp.	122	0	0	23	2	0	0	1	40	0	0	7
Mendon	8	0	0	2	1	0	0	0	1	0	0	0
Mendon Twp.	74	1	1	18	2	0	0	3	15	0	0	4
Mottville Twp.	37	1	1	14	2	0	0	1	6	0	0	2
Nottawa Twp.	104	0	0	25	5	0	0	4	22	0	0	3
Park Twp.	92	0	0	19	3	0	0	0	13	0	0	1
Sherman Twp.	144	0	0	18	2	0	0	0	22	0	0	5
Sturgis	232	2	2	39	5	1	1	3	11	1	1	1
Sturgis Twp	36	1	1	21	2	0	0	2	8	0	0	3
Three Rivers	175	0	0	48	6	0	0	3	13	0	0	1
White Pigeon	27	0	0	4	0	0	0	0	1	0	0	1
White Pigeon Twp	64	0	0	12	3	0	0	2	13	0	0	3
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>St. Joseph County TOTAL</b>	<b>1,686</b>	<b>7</b>	<b>7</b>	<b>344</b>	<b>58</b>	<b>3</b>	<b>3</b>	<b>27</b>	<b>266</b>	<b>3</b>	<b>3</b>	<b>56</b>

Restraint use among reported vehicle occupants by municipality

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Burr Oak	11	10	90.9	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	10	9	90.0
Burr Oak Twp.	43	39	90.7	0	0	0.0	2	2	100.0	2	2	100.0	6	5	83.3	31	30	96.8
Centreville	43	38	88.4	0	0	0.0	0	0	0.0	0	0	0.0	3	3	100.0	37	35	94.6
Colon	30	26	86.7	0	0	0.0	0	0	0.0	1	1	100.0	1	1	100.0	27	24	88.9
Colon Twp.	64	61	95.3	0	0	0.0	1	1	100.0	1	1	100.0	4	3	75.0	58	56	96.6
Constantine	57	49	86.0	0	0	0.0	3	1	33.3	1	1	100.0	2	2	100.0	51	45	88.2
Constantine Twp.	81	75	92.6	0	0	0.0	2	2	100.0	2	2	100.0	8	8	100.0	69	63	91.3
Fabius Twp.	183	168	91.8	0	0	0.0	0	0	0.0	11	7	63.6	19	18	94.7	149	143	96.0
Fawn River Twp.	44	38	86.4	0	0	0.0	0	0	0.0	1	0	0.0	4	3	75.0	37	35	94.6
Florence Twp.	57	51	89.5	1	0	0.0	3	2	66.7	5	5	100.0	4	4	100.0	44	40	90.9
Flowerfield Twp.	50	47	94.0	1	0	0.0	2	1	50.0	0	0	0.0	1	1	100.0	46	45	97.8
Leondias Twp.	61	53	86.9	0	0	0.0	0	0	0.0	3	2	66.7	5	5	100.0	52	46	88.5
Lockport Twp.	154	140	90.9	0	0	0.0	3	1	33.3	8	8	100.0	11	10	90.9	127	121	95.3
Mendon	14	11	78.6	0	0	0.0	0	0	0.0	1	1	100.0	1	1	100.0	11	9	81.8
Mendon Twp.	90	75	83.3	1	0	0.0	1	0	0.0	5	2	40.0	11	8	72.7	69	65	94.2
Mottville Twp.	52	41	78.8	1	0	0.0	3	1	33.3	5	2	40.0	6	5	83.3	37	33	89.2
Nottawa Twp.	118	111	94.1	0	0	0.0	2	1	50.0	7	7	100.0	15	13	86.7	94	90	95.7
Park Twp.	119	111	93.3	0	0	0.0	4	4	100.0	3	3	100.0	12	11	91.7	99	93	93.9
Sherman Twp.	169	149	88.2	0	0	0.0	0	0	0.0	0	0	0.0	17	16	94.1	147	133	90.5
Sturgis	430	370	86.0	1	1	100.0	7	3	42.9	5	5	100.0	22	22	100.0	349	339	97.1
Sturgis Twp	55	49	89.1	1	1	100.0	0	0	0.0	6	4	66.7	15	15	100.0	33	29	87.9
Three Rivers	334	270	80.8	0	0	0.0	2	2	100.0	12	12	100.0	30	28	93.3	267	228	85.4
White Pigeon	45	40	88.9	0	0	0.0	0	0	0.0	1	1	100.0	2	2	100.0	40	37	92.5
White Pigeon Twp	85	76	89.4	0	0	0.0	1	0	0.0	2	1	50.0	9	9	100.0	72	66	91.7
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>St. Joseph County TOTAL</b>	<b>2,389</b>	<b>2,098</b>	<b>87.8</b>	<b>6</b>	<b>2</b>	<b>33.3</b>	<b>36</b>	<b>21</b>	<b>58.3</b>	<b>82</b>	<b>67</b>	<b>81.7</b>	<b>209</b>	<b>194</b>	<b>92.8</b>	<b>1,956</b>	<b>1,814</b>	<b>92.7</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	135	0	15	120	0	18
February	108	0	15	93	0	24
March	102	0	13	89	0	18
April	99	0	4	95	0	8
May	112	1	10	101	1	21
June	114	1	12	101	1	18
July	107	1	13	93	1	15
August	96	1	11	84	2	21
September	120	0	7	113	0	9
October	178	0	13	165	0	16
November	266	0	20	246	0	31
December	145	0	10	135	0	12
<b>TOTAL</b>	<b>1,582</b>	<b>4</b>	<b>143</b>	<b>1,435</b>	<b>5</b>	<b>211</b>

In Sanilac County in 2011 there were:

**1,582** crashes

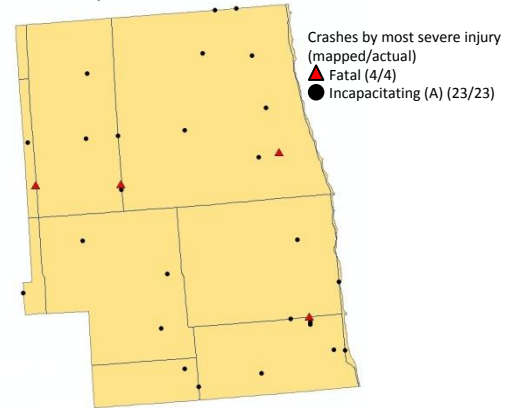
Involving:

**2,013** people

**2,006** motor vehicle drivers and passengers

**2** bicyclists

**5** pedestrians



## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	8,845	271	5	5.7	184.5
16 - 20	2,814	2,242	178	632.6	793.9
21 - 64	23,876	22,114	1,428	598.1	645.7
65 +	7,579	6,880	179	236.2	260.2
Other/Unknown	--	--	26	--	--
<b>TOTAL</b>	<b>43,114</b>	<b>31,507</b>	<b>1,816</b>	<b>421.2</b>	<b>576.4</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	1,254	69.1	3	50.0	138	1,113
Van, motorhome	32	1.8	0	0.0	2	30
Pickup truck	442	24.3	2	33.3	47	393
Small truck under 10,000 lbs. GVWR	11	0.6	0	0.0	0	11
Cycle	13	0.7	0	0.0	6	7
Moped	0	0.0	0	0.0	0	0
Go Cart	0	0.0	0	0.0	0	0
Snowmobile	2	0.1	0	0.0	1	1
Off-Road Vehicle (ORV) / All-Terrain Vehicle (ATV)	6	0.3	1	16.7	5	0
Other	9	0.5	0	0.0	5	4
Truck/bus over 10,000 lbs.	41	2.3	0	0.0	7	34
Unknown	6	0.3	0	0.0	1	5
<b>TOTAL</b>	<b>1,816</b>	<b>100.0</b>	<b>6</b>	<b>100.0</b>	<b>212</b>	<b>1,598</b>

## Sanilac County Experience

Sanilac County experienced the highest number of fatal crashes (1) in May, June, July and August, and the highest number of persons killed (2) in August.

Sanilac County driver statistics indicate 7.1 percent of licensed drivers were age 16-20, and 9.8 percent of drivers in that age group were involved in crashes.

In Sanilac County, ORV/ATVs accounted for only 0.3 percent of the total vehicles in crashes, but were involved in 16.7 percent of the total fatal crashes.



## Crash Type

	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	1,343	84.9	2	50.0	11	31	34	1,265
Head On	3	0.2	0	0.0	1	1	1	0
Head On - Left Turn	4	0.3	0	0.0	0	0	2	2
Angle	91	5.8	2	50.0	8	17	13	51
Rear End	43	2.7	0	0.0	1	0	11	31
Rear End - Left Turn	9	0.6	0	0.0	0	2	2	5
Rear End - Right Turn	4	0.3	0	0.0	0	0	1	3
Sideswipe - Same Direction	28	1.8	0	0.0	1	0	2	25
Sideswipe - Opposite Direct	15	0.9	0	0.0	1	1	1	12
Other/Unknown	42	2.7	0	0.0	0	1	0	41
<b>Total</b>	<b>1,582</b>	<b>100.0</b>	<b>4</b>	<b>100.0</b>	<b>23</b>	<b>53</b>	<b>67</b>	<b>1,435</b>

## Relationship to Roadway

Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	1,431	90.5	4	100.0	15	36	47	1,329
Median	0	0.0	0	0.0	0	0	0	0
Shoulder	19	1.2	0	0.0	0	1	2	16
Outside of Shoulder/Curb	109	6.9	0	0.0	7	13	18	71
Gore	8	0.5	0	0.0	0	2	0	6
Other/Unknown	15	0.9	0	0.0	1	1	0	13
<b>Total</b>	<b>1,582</b>	<b>100.0</b>	<b>4</b>	<b>100.0</b>	<b>23</b>	<b>53</b>	<b>67</b>	<b>1,435</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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	8	8	5	5	1	1	2	1	0
21 - 64	35	46	30	32	4	3	6	9	10
65 +	1	1	0	1	0	0	0	0	1
Other/Unknown	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>44</b>	<b>55</b>	<b>35</b>	<b>38</b>	<b>5</b>	<b>4</b>	<b>8</b>	<b>10</b>	<b>11</b>

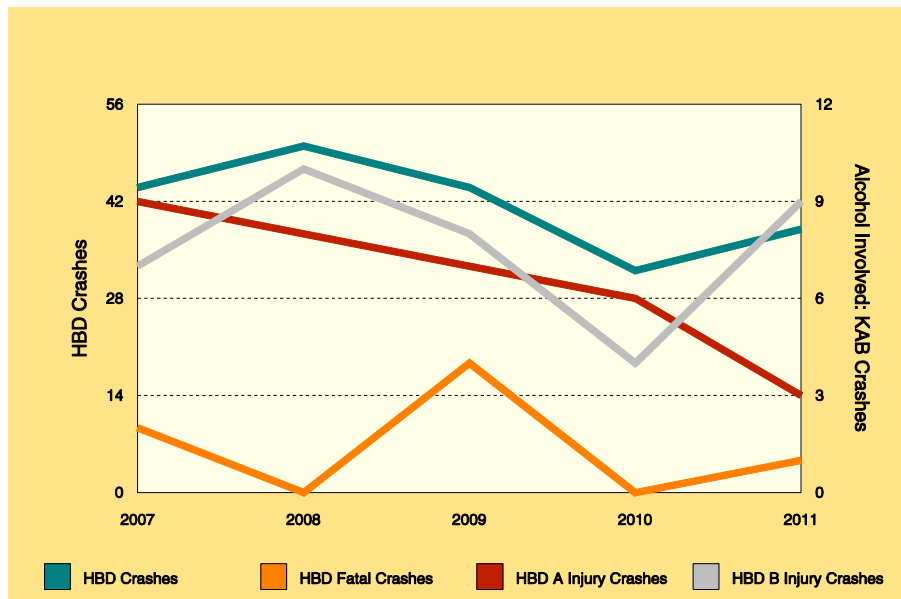
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

SANILAC	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	1,874	44	2.4	12	2	16.7	46	9	19.6	63	7	11.1
2008	1,738	50	2.9	6	0	0.0	48	8	16.7	69	10	14.5
2009	1,685	44	2.6	10	4	40.0	25	7	28.0	62	8	12.9
2010	1,713	32	1.9	2	0	0.0	26	6	23.1	45	4	8.9
2011	1,582*	38	2.4	4	1	25.0	23*	3*	13.0	53	9	17.0

\* Lowest number reported in the 5-year period.

**Restraint use among reported vehicle occupants by vehicle type**

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	1,298	1,248	96.1	3	2	66.7	14	10	71.4	49	44	89.8	82	74	90.2	1,135	1,118	98.5
Van, motorhome	32	28	87.5	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	31	28	90.3
Pickup truck	454	436	96.0	0	0	0.0	4	4	100.0	17	13	76.5	24	21	87.5	405	398	98.3
Small truck under 10,000 lbs. GVWR	11	11	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	11	11	100.0
Cycle	13	11	84.6	0	0	0.0	2	2	100.0	4	3	75.0	0	0	0.0	7	6	85.7
Moped	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	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	2	2	100.0	0	0	0.0	1	1	100.0	0	0	0.0	0	0	0.0	1	1	100.0
Off-Road Vehicle (ORV) /All-Terrain Vehicle (ATV)	6	3	50.0	1	0	0.0	2	1	50.0	1	1	100.0	2	1	50.0	0	0	0.0
Other	9	3	33.3	0	0	0.0	1	0	0.0	1	0	0.0	0	0	0.0	6	3	50.0
Truck/bus over 10,000 lbs.	41	37	90.2	0	0	0.0	1	0	0.0	1	1	100.0	0	0	0.0	39	36	92.3
Uncoded & errors	6	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>TOTAL</b>	<b>1,872</b>	<b>1,779</b>	<b>95.0</b>	<b>4</b>	<b>2</b>	<b>50.0</b>	<b>25</b>	<b>18</b>	<b>72.0</b>	<b>73</b>	<b>62</b>	<b>84.9</b>	<b>108</b>	<b>96</b>	<b>88.9</b>	<b>1,635</b>	<b>1,601</b>	<b>97.9</b>

**Restraint use among reported vehicle occupants by age**

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	24	20	83.3	0	0	0.0	1	1	100.0	5	5	100.0	15	11	73.3	3	3	100.0
16 - 20	188	179	95.2	1	0	0.0	3	2	66.7	15	12	80.0	22	21	95.5	146	144	98.6
21 - 64	1,451	1,403	96.7	3	2	66.7	17	12	70.6	45	38	84.4	64	57	89.1	1,322	1,294	97.9
65 +	183	177	96.7	0	0	0.0	4	3	75.0	8	7	87.5	7	7	100.0	164	160	97.6
Other/Unknown	26	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>TOTAL</b>	<b>1,872</b>	<b>1,779</b>	<b>95.0</b>	<b>4</b>	<b>2</b>	<b>50.0</b>	<b>25</b>	<b>18</b>	<b>72.0</b>	<b>73</b>	<b>62</b>	<b>84.9</b>	<b>108</b>	<b>96</b>	<b>88.9</b>	<b>1,635</b>	<b>1,601</b>	<b>97.9</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers  
in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol- involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Applegate	0	0	0	0	0	0	0	0	0
Argyle Twp.	1	1	1	1	0	0	1	0	0
Austin Twp.	0	0	0	0	0	0	0	0	0
Bridgehampton Twp.	2	2	2	2	0	0	1	0	1
Brown City	0	0	0	0	0	0	0	0	0
Buel Twp.	1	1	1	1	0	0	0	1	0
Carsonville	0	0	0	0	0	0	0	0	0
Croswell	2	4	1	1	0	0	0	0	1
Custer Twp.	2	2	2	2	0	0	0	2	0
Deckerville	0	0	0	0	0	0	0	0	0
Delaware Twp.	0	0	0	0	0	0	0	0	0
Elk Twp.	0	0	0	0	0	0	0	0	0
Elmer Twp.	0	0	0	0	0	0	0	0	0
Evergreen Twp.	0	0	0	0	0	0	0	0	0
Flynn Twp.	1	1	1	1	0	0	0	0	1
Forester Twp.	1	1	1	1	0	0	0	1	0
Forestville	0	0	0	0	0	0	0	0	0
Fremont Twp.	0	0	0	0	0	0	0	0	0
Greenleaf Twp.	0	0	0	0	0	0	0	0	0
Lamotte Twp.	0	1	0	0	0	0	0	0	0
Lexington	1	2	1	1	0	0	0	0	1
Lexington Twp.	3	5	2	2	0	0	1	0	1
Maple Valley Twp.	0	0	0	0	0	0	0	0	0
Marion Twp.	0	0	0	0	0	0	0	0	0
Marlette	0	0	0	0	0	0	0	0	0
Marlette Twp.	1	1	1	1	0	0	1	0	0
Melvin	0	0	0	0	0	0	0	0	0
Minden City	0	0	0	0	0	0	0	0	0
Minden Twp.	0	0	0	0	0	0	0	0	0
Moore Twp.	1	4	1	1	1	0	0	0	0
Peck	0	1	0	0	0	0	0	0	0
Port Sanilac	0	0	0	0	0	0	0	0	0
Sandusky	4	6	1	2	0	0	0	1	1
Sanilac Twp.	3	3	3	3	0	0	2	1	0
Speaker Twp.	4	5	2	3	1	0	0	1	1
Washington Twp.	3	3	3	3	1	1	1	0	0
Watertown Twp.	0	0	0	0	0	0	0	0	0
Wheatland Twp.	3	1	1	2	0	1	0	0	1
Worth Twp.	11	11	11	11	2	2	1	3	3
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Sanilac County TOTAL</b>	<b>44</b>	<b>55</b>	<b>35</b>	<b>38</b>	<b>5</b>	<b>4</b>	<b>8</b>	<b>10</b>	<b>11</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Applegate	1	0	0	0	0	0	0	0	0	0	0	0
Argyle Twp.	34	0	0	10	1	0	0	0	1	0	0	0
Austin Twp.	56	0	0	1	0	0	0	0	2	0	0	0
Bridgehampton Twp.	27	0	0	6	2	0	0	2	5	0	0	2
Brown City	12	0	0	1	0	0	0	0	0	0	0	0
Buel Twp.	36	0	0	4	1	0	0	0	2	0	0	1
Carsonville	6	0	0	0	0	0	0	0	0	0	0	0
Croswell	33	0	0	18	1	0	0	1	0	0	0	0
Custer Twp.	29	0	0	1	2	0	0	1	2	0	0	0
Deckerville	5	0	0	2	0	0	0	0	1	0	0	1
Delaware Twp.	57	0	0	4	0	0	0	0	0	0	0	0
Elk Twp.	30	0	0	3	0	0	0	0	4	0	0	0
Elmer Twp.	18	0	0	2	0	0	0	0	0	0	0	0
Evergreen Twp.	57	0	0	4	0	0	0	0	3	0	0	2
Flynn Twp.	40	0	0	5	1	0	0	1	3	0	0	1
Forester Twp.	42	1	1	0	1	1	1	0	1	1	1	0
Forestville	5	0	0	4	0	0	0	0	1	0	0	4
Fremont Twp.	20	0	0	2	0	0	0	0	0	0	0	0
Greenleaf Twp.	73	0	0	2	0	0	0	0	1	0	0	0
Lamotte Twp.	50	1	1	4	0	0	0	0	1	0	0	1
Lexington	21	0	0	5	1	0	0	0	0	0	0	0
Lexington Twp.	78	1	1	14	2	0	0	4	4	0	0	0
Maple Valley Twp.	51	0	0	1	0	0	0	0	5	0	0	1
Marion Twp.	38	0	0	3	0	0	0	0	1	0	0	1
Marlette	10	0	0	0	0	0	0	0	1	0	0	0
Marlette Twp.	85	0	0	14	1	0	0	2	8	0	0	1
Melvin	2	0	0	0	0	0	0	0	0	0	0	0
Minden City	1	0	0	0	0	0	0	0	0	0	0	0
Minden Twp.	26	0	0	2	0	0	0	0	2	0	0	0
Moore Twp.	90	1	2	6	1	0	0	0	3	1	0	1
Peck	14	0	0	0	0	0	0	0	0	0	0	0
Port Sanilac	7	0	0	0	0	0	0	0	0	0	0	0
Sandusky	62	0	0	18	2	0	0	0	0	0	0	0
Sanilac Twp.	80	0	0	8	3	0	0	1	10	0	0	4
Speaker Twp.	49	0	0	10	3	0	0	1	3	0	0	0
Washington Twp.	98	0	0	6	3	0	0	0	3	0	0	0
Watertown Twp.	84	0	0	4	0	0	0	0	2	0	0	1
Wheatland Twp.	37	0	0	4	2	0	0	2	3	0	0	2
Worth Twp.	118	0	0	43	11	0	0	13	11	0	0	6
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Sanilac County TOTAL</b>	<b>1,582</b>	<b>4</b>	<b>5</b>	<b>211</b>	<b>38</b>	<b>1</b>	<b>1</b>	<b>28</b>	<b>83</b>	<b>2</b>	<b>1</b>	<b>29</b>

Restraint use among reported vehicle occupants by municipality

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Applegate	1	1	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0
Argyle Twp.	43	39	90.7	0	0	0.0	2	1	50.0	3	2	66.7	5	4	80.0	32	32	100.0
Austin Twp.	59	58	98.3	0	0	0.0	1	1	100.0	0	0	0.0	0	0	0.0	58	57	98.3
Bridgehampton Twp.	29	28	96.6	0	0	0.0	1	1	100.0	5	4	80.0	0	0	0.0	23	23	100.0
Brown City	21	20	95.2	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	19	19	100.0
Buel Twp.	39	38	97.4	0	0	0.0	0	0	0.0	3	3	100.0	1	1	100.0	35	34	97.1
Carsonville	7	6	85.7	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	7	6	85.7
Croswell	63	57	90.5	0	0	0.0	1	1	100.0	3	3	100.0	14	14	100.0	41	39	95.1
Custer Twp.	29	27	93.1	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0	28	27	96.4
Deckerville	9	9	100.0	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0	7	7	100.0
Delaware Twp.	62	61	98.4	0	0	0.0	1	1	100.0	2	2	100.0	1	1	100.0	58	57	98.3
Elk Twp.	35	34	97.1	0	0	0.0	2	2	100.0	1	1	100.0	0	0	0.0	31	31	100.0
Elmer Twp.	20	18	90.0	0	0	0.0	0	0	0.0	2	0	0.0	0	0	0.0	18	18	100.0
Evergreen Twp.	60	57	95.0	0	0	0.0	1	0	0.0	2	2	100.0	1	1	100.0	56	54	96.4
Flynn Twp.	41	40	97.6	0	0	0.0	0	0	0.0	4	3	75.0	1	1	100.0	36	36	100.0
Forester Twp.	44	43	97.7	1	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	43	43	100.0
Forestville	8	8	100.0	0	0	0.0	0	0	0.0	3	3	100.0	1	1	100.0	4	4	100.0
Fremont Twp.	22	22	100.0	0	0	0.0	2	2	100.0	0	0	0.0	0	0	0.0	20	20	100.0
Greenleaf Twp.	75	74	98.7	0	0	0.0	0	0	0.0	2	2	100.0	0	0	0.0	72	72	100.0
Lamotte Twp.	59	55	93.2	1	0	0.0	1	1	100.0	1	1	100.0	2	1	50.0	52	52	100.0
Lexington	38	31	81.6	0	0	0.0	0	0	0.0	1	1	100.0	3	3	100.0	29	27	93.1
Lexington Twp.	89	84	94.4	0	0	0.0	3	3	100.0	5	3	60.0	5	5	100.0	74	73	98.6
Maple Valley Twp.	51	50	98.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	49	49	100.0
Marion Twp.	38	36	94.7	0	0	0.0	1	1	100.0	1	0	0.0	1	1	100.0	35	34	97.1
Marlette	18	17	94.4	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	17	17	100.0
Marlette Twp.	98	94	95.9	0	0	0.0	1	1	100.0	5	4	80.0	8	7	87.5	84	82	97.6
Melvin	3	3	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	3	3	100.0
Minden City	2	2	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0
Minden Twp.	27	26	96.3	0	0	0.0	1	0	0.0	1	1	100.0	0	0	0.0	25	25	100.0
Moore Twp.	96	95	99.0	2	2	100.0	1	1	100.0	2	2	100.0	3	3	100.0	88	87	98.9
Peck	20	20	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	20	20	100.0
Port Sanilac	9	8	88.9	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	8	8	100.0
Sandusky	113	102	90.3	0	0	0.0	0	0	0.0	2	2	100.0	15	15	100.0	90	85	94.4
Sanilac Twp.	90	84	93.3	0	0	0.0	1	0	0.0	1	1	100.0	6	4	66.7	82	79	96.3
Speaker Twp.	59	57	96.6	0	0	0.0	1	0	0.0	3	3	100.0	5	5	100.0	50	49	98.0
Washington Twp.	106	104	98.1	0	0	0.0	0	0	0.0	2	2	100.0	4	3	75.0	100	99	99.0
Watertown Twp.	96	92	95.8	0	0	0.0	0	0	0.0	1	1	100.0	3	2	66.7	92	89	96.7
Wheatland Twp.	40	38	95.0	0	0	0.0	1	1	100.0	1	1	100.0	2	1	50.0	36	35	97.2
Worth Twp.	153	141	92.2	0	0	0.0	3	1	33.3	17	15	88.2	22	19	86.4	110	106	96.4
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Sanilac County TOTAL</b>	<b>1,872</b>	<b>1,779</b>	<b>95.0</b>	<b>4</b>	<b>2</b>	<b>50.0</b>	<b>25</b>	<b>18</b>	<b>72.0</b>	<b>73</b>	<b>62</b>	<b>84.9</b>	<b>108</b>	<b>96</b>	<b>88.9</b>	<b>1,635</b>	<b>1,601</b>	<b>97.9</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	32	0	2	30	0	3
February	29	0	3	26	0	6
March	30	0	1	29	0	2
April	21	0	1	20	0	1
May	29	0	4	25	0	5
June	50	1	4	45	1	7
July	39	1	6	32	1	9
August	18	0	5	13	0	5
September	26	0	1	25	0	1
October	26	0	3	23	0	3
November	27	0	0	27	0	0
December	41	0	5	36	0	6
<b>TOTAL</b>	<b>368</b>	<b>2</b>	<b>35</b>	<b>331</b>	<b>2</b>	<b>48</b>

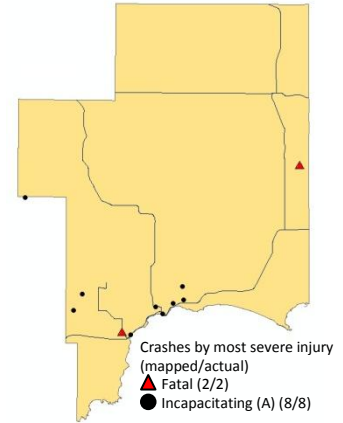
In Schoolcraft County in 2011 there were:

**368** crashes

**Involving:**

**489** people

**489** motor vehicle drivers and passengers



## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	1,474	51	3	20.4	588.2
16 - 20	459	423	41	893.2	969.3
21 - 64	4,750	4,411	309	650.5	700.5
65 +	1,802	1,631	60	333.0	367.9
Other/Unknown	--	--	19	--	--
<b>TOTAL</b>	<b>8,485</b>	<b>6,516</b>	<b>432</b>	<b>509.1</b>	<b>663.0</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	292	67.6	0	0.0	32	260
Van, motorhome	20	4.6	0	0.0	2	18
Pickup truck	94	21.8	1	50.0	7	86
Small truck under 10,000 lbs. GVWR	4	0.9	0	0.0	0	4
Cycle	5	1.2	1	50.0	3	1
Moped	0	0.0	0	0.0	0	0
Go Cart	1	0.2	0	0.0	0	1
Snowmobile	1	0.2	0	0.0	0	1
Off-Road Vehicle (ORV) / All-Terrain Vehicle (ATV)	2	0.5	0	0.0	2	0
Other	1	0.2	0	0.0	1	0
Truck/bus over 10,000 lbs.	8	1.9	0	0.0	1	7
Unknown	4	0.9	0	0.0	0	4
<b>TOTAL</b>	<b>432</b>	<b>100.0</b>	<b>2</b>	<b>100.0</b>	<b>48</b>	<b>382</b>

## Schoolcraft County Experience

Schoolcraft County experienced the highest number of fatal crashes (1) and the highest number of persons killed (1) in June and July.

Schoolcraft County driver statistics indicate 6.5 percent of licensed drivers were age 16-20, and 9.5 percent of drivers in that age group were involved in crashes.



Crash Type								
	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	304	82.6	2	100.0	4	7	12	279
Head On	5	1.4	0	0.0	1	2	0	2
Head On - Left Turn	0	0.0	0	0.0	0	0	0	0
Angle	17	4.6	0	0.0	1	0	2	14
Rear End	12	3.3	0	0.0	1	0	2	9
Rear End - Left Turn	1	0.3	0	0.0	0	1	0	0
Rear End - Right Turn	2	0.5	0	0.0	0	1	0	1
Sideswipe - Same Direction	2	0.5	0	0.0	0	0	0	2
Sideswipe - Opposite Direct	4	1.1	0	0.0	0	0	0	4
Other/Unknown	21	5.7	0	0.0	1	0	0	20
<b>Total</b>	<b>368</b>	<b>100.0</b>	<b>2</b>	<b>100.0</b>	<b>8</b>	<b>11</b>	<b>16</b>	<b>331</b>

Relationship to Roadway								
Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	285	77.4	0	0.0	4	5	4	272
Median	1	0.3	0	0.0	0	0	0	1
Shoulder	18	4.9	0	0.0	0	2	3	13
Outside of Shoulder/Curb	50	13.6	2	100.0	4	4	7	33
Gore	1	0.3	0	0.0	0	0	0	1
Other/Unknown	13	3.5	0	0.0	0	0	2	11
<b>Total</b>	<b>368</b>	<b>100.0</b>	<b>2</b>	<b>100.0</b>	<b>8</b>	<b>11</b>	<b>16</b>	<b>331</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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	1	5	1	1	0	0	1	0	0
21 - 64	16	15	12	16	0	0	2	4	10
65 +	2	0	0	1	0	0	0	0	1
Other/Unknown	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>19</b>	<b>20</b>	<b>13</b>	<b>18</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>4</b>	<b>11</b>

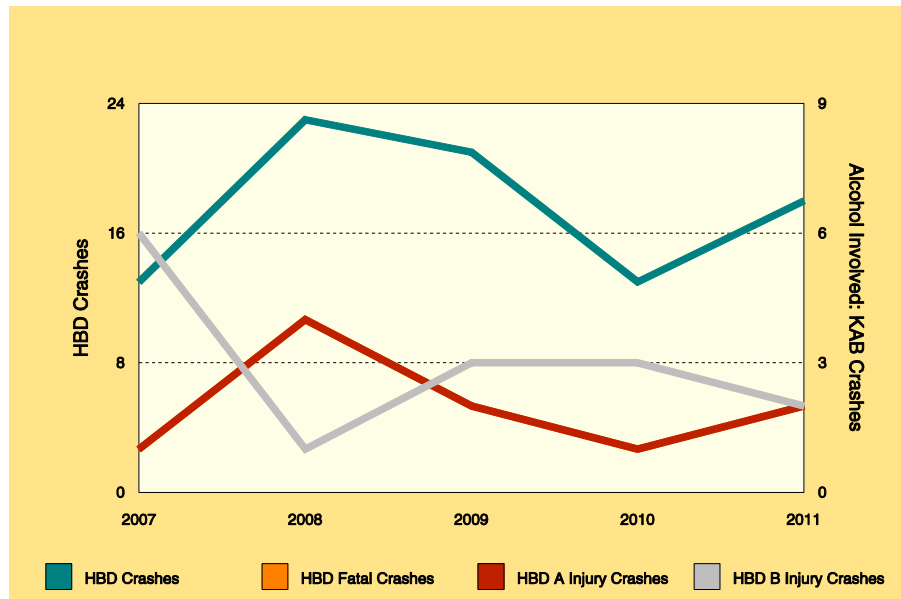
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

SCHOOLCRAFT	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	507	13	2.6	3	1	33.3	8	1	12.5	21	6	28.6
2008	470	23	4.9	10	4	40.0	13	4	30.8	27	1	3.7
2009	425	21	5.0	10	2	20.0	15	2	13.3	24	3	12.5
2010	334	13	3.9	1	1	100.0	5	1	20.0	11	3	27.3
2011	368	18	4.9	2	2	100.0	8	2	25.0	11	2	18.2

**Restraint use among reported vehicle occupants by vehicle type**

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	301	279	92.7	0	0	0.0	6	3	50.0	7	6	85.7	18	15	83.3	259	255	98.5
Van, motorhome	20	17	85.0	0	0	0.0	0	0	0.0	1	1	100.0	1	1	100.0	17	15	88.2
Pickup truck	99	88	88.9	1	0	0.0	5	3	60.0	3	3	100.0	2	2	100.0	85	80	94.1
Small truck under 10,000 lbs. GVWR	4	4	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	4	4	100.0
Cycle	5	4	80.0	1	0	0.0	0	0	0.0	2	2	100.0	1	1	100.0	1	1	100.0
Moped	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	1	1	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0
Snowmobile	1	1	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0
Off-Road Vehicle (ORV) /All-Terrain Vehicle (ATV)	2	1	50.0	0	0	0.0	1	0	0.0	1	1	100.0	0	0	0.0	0	0	0.0
Other	1	1	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0
Truck/bus over 10,000 lbs.	8	7	87.5	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	8	7	87.5
Uncoded & errors	4	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>TOTAL</b>	<b>446</b>	<b>403</b>	<b>90.4</b>	<b>2</b>	<b>0</b>	<b>0.0</b>	<b>12</b>	<b>6</b>	<b>50.0</b>	<b>14</b>	<b>13</b>	<b>92.9</b>	<b>22</b>	<b>19</b>	<b>86.4</b>	<b>377</b>	<b>365</b>	<b>96.8</b>

**Restraint use among reported vehicle occupants by age**

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	5	4	80.0	0	0	0.0	0	0	0.0	0	0	0.0	3	2	66.7	2	2	100.0
16 - 20	46	42	91.3	1	0	0.0	3	1	33.3	3	3	100.0	3	3	100.0	36	35	97.2
21 - 64	315	299	94.9	1	0	0.0	7	4	57.1	8	7	87.5	14	13	92.9	285	275	96.5
65 +	61	58	95.1	0	0	0.0	2	1	50.0	3	3	100.0	2	1	50.0	54	53	98.1
Other/Unknown	19	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>TOTAL</b>	<b>446</b>	<b>403</b>	<b>90.4</b>	<b>2</b>	<b>0</b>	<b>0.0</b>	<b>12</b>	<b>6</b>	<b>50.0</b>	<b>14</b>	<b>13</b>	<b>92.9</b>	<b>22</b>	<b>19</b>	<b>86.4</b>	<b>377</b>	<b>365</b>	<b>96.8</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Doyle Twp.	0	0	0	0	0	0	0	0	0
Germfask Twp.	1	2	1	1	0	0	1	0	0
Hiawatha Twp.	2	1	0	2	0	0	0	0	2
Inwood Twp.	2	3	1	2	0	0	0	0	2
Manistique	4	5	2	3	0	0	0	0	3
Manistique Twp.	4	3	3	4	0	0	1	0	3
Mueller Twp.	0	0	0	0	0	0	0	0	0
Seney Twp.	3	3	3	3	0	0	0	2	1
Thompson Twp.	3	3	3	3	0	0	1	2	0
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Schoolcraft County TOTAL</b>	<b>19</b>	<b>20</b>	<b>13</b>	<b>18</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>4</b>	<b>11</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Doyle Twp.	33	0	0	2	0	0	0	0	3	0	0	2
Germfask Twp.	20	1	1	5	1	1	1	2	0	0	0	0
Hiawatha Twp.	50	0	0	7	2	0	0	1	6	0	0	3
Inwood Twp.	54	0	0	11	2	0	0	1	5	0	0	1
Manistique	51	0	0	7	3	0	0	1	4	0	0	0
Manistique Twp.	25	0	0	6	4	0	0	1	4	0	0	1
Mueller Twp.	42	0	0	0	0	0	0	0	1	0	0	0
Seney Twp.	48	0	0	4	3	0	0	1	7	0	0	0
Thompson Twp.	45	1	1	6	3	1	1	2	7	1	1	0
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Schoolcraft County TOTAL</b>	<b>368</b>	<b>2</b>	<b>2</b>	<b>48</b>	<b>18</b>	<b>2</b>	<b>2</b>	<b>9</b>	<b>37</b>	<b>1</b>	<b>1</b>	<b>7</b>

**Restraint use among reported vehicle occupants by municipality**

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Doyle Twp.	35	33	94.3	0	0	0.0	0	0	0.0	2	2	100.0	0	0	0.0	33	31	93.9
Germfask Twp.	25	22	88.0	1	0	0.0	2	0	0.0	1	1	100.0	2	2	100.0	19	19	100.0
Hiawatha Twp.	56	53	94.6	0	0	0.0	0	0	0.0	2	2	100.0	5	5	100.0	48	46	95.8
Inwood Twp.	62	58	93.5	0	0	0.0	3	3	100.0	3	2	66.7	5	4	80.0	51	49	96.1
Manistique	88	72	81.8	0	0	0.0	2	1	50.0	2	2	100.0	3	3	100.0	66	66	100.0
Manistique Twp.	30	22	73.3	0	0	0.0	4	1	25.0	1	1	100.0	1	0	0.0	22	20	90.9
Mueller Twp.	47	45	95.7	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	47	45	95.7
Seney Twp.	54	54	100.0	0	0	0.0	0	0	0.0	3	3	100.0	1	1	100.0	50	50	100.0
Thompson Twp.	49	44	89.8	1	0	0.0	1	1	100.0	0	0	0.0	5	4	80.0	41	39	95.1
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Schoolcraft County TOTAL</b>	<b>446</b>	<b>403</b>	<b>90.4</b>	<b>2</b>	<b>0</b>	<b>0.0</b>	<b>12</b>	<b>6</b>	<b>50.0</b>	<b>14</b>	<b>13</b>	<b>92.9</b>	<b>22</b>	<b>19</b>	<b>86.4</b>	<b>377</b>	<b>365</b>	<b>96.8</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	232	0	26	206	0	33
February	139	0	24	115	0	35
March	137	0	30	107	0	32
April	115	0	28	87	0	34
May	141	0	29	112	0	34
June	165	1	34	130	1	44
July	142	0	41	101	0	58
August	103	0	21	82	0	27
September	133	0	29	104	0	40
October	229	1	33	195	1	42
November	299	3	28	268	3	35
December	206	1	23	182	1	26
<b>TOTAL</b>	<b>2,041</b>	<b>6</b>	<b>346</b>	<b>1,689</b>	<b>6</b>	<b>440</b>

In Shiawassee County in 2011 there were:  
2,041 crashes

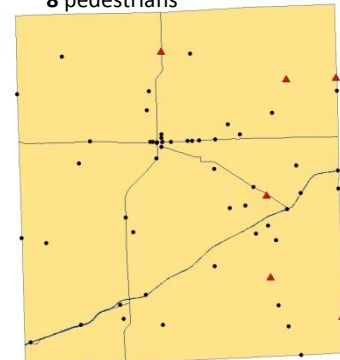
Involving:

3,059 people

3,041 motor vehicle drivers and passengers

10 bicyclists

8 pedestrians



Crashes by most severe injury (mapped/actual)

▲ Fatal (6/6)  
● Incapacitating (A) (52/52)

## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	14,843	378	3	2.0	79.4
16 - 20	5,283	4,032	377	713.6	935.0
21 - 64	40,417	39,106	1,975	488.7	505.0
65 +	10,105	9,597	263	260.3	274.0
Other/Unknown	--	--	79	--	--
<b>TOTAL</b>	<b>70,648</b>	<b>53,113</b>	<b>2,697</b>	<b>381.8</b>	<b>507.8</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	1,812	67.2	5	62.5	359	1,448
Van, motorhome	146	5.4	0	0.0	31	115
Pickup truck	500	18.5	2	25.0	91	407
Small truck under 10,000 lbs. GVWR	123	4.6	0	0.0	25	98
Cycle	20	0.7	1	12.5	15	4
Moped	5	0.2	0	0.0	5	0
Go Cart	0	0.0	0	0.0	0	0
Snowmobile	3	0.1	0	0.0	2	1
Off-Road Vehicle (ORV) / All-Terrain Vehicle (ATV)	0	0.0	0	0.0	0	0
Other	6	0.2	0	0.0	0	6
Truck/bus over 10,000 lbs.	61	2.3	0	0.0	9	52
Unknown	21	0.8	0	0.0	2	19
<b>TOTAL</b>	<b>2,697</b>	<b>100.0</b>	<b>8</b>	<b>100.0</b>	<b>539</b>	<b>2,150</b>

## Shiawassee County Experience

Shiawassee County experienced the highest number of fatal crashes (3) and the highest number of persons killed (3) in November.

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

In Shiawassee County, motorcycles accounted for only 0.7 percent of the total vehicles in crashes, but were involved in 12.5 percent of the total injury crashes.



## Crash Type

	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	1,409	69.0	4	66.7	32	58	83	1,232
Head On	18	0.9	2	33.3	1	3	2	10
Head On - Left Turn	32	1.6	0	0.0	1	3	13	15
Angle	194	9.5	0	0.0	9	15	29	141
Rear End	191	9.4	0	0.0	8	13	35	135
Rear End - Left Turn	23	1.1	0	0.0	0	1	7	15
Rear End - Right Turn	5	0.2	0	0.0	0	1	0	4
Sideswipe - Same Direction	82	4.0	0	0.0	0	2	4	76
Sideswipe - Opposite Direct	37	1.8	0	0.0	0	8	7	22
Other/Unknown	50	2.4	0	0.0	1	6	4	39
<b>Total</b>	<b>2,041</b>	<b>100.0</b>	<b>6</b>	<b>100.0</b>	<b>52</b>	<b>110</b>	<b>184</b>	<b>1,689</b>

## Relationship to Roadway

Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	1,569	76.9	2	33.3	28	67	109	1,363
Median	7	0.3	0	0.0	0	1	2	4
Shoulder	67	3.3	0	0.0	5	4	5	53
Outside of Shoulder/Curb	282	13.8	4	66.7	13	32	44	189
Gore	3	0.1	0	0.0	0	0	0	3
Other/Unknown	113	5.5	0	0.0	6	6	24	77
<b>Total</b>	<b>2,041</b>	<b>100.0</b>	<b>6</b>	<b>100.0</b>	<b>52</b>	<b>110</b>	<b>184</b>	<b>1,689</b>

## Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	Total drivers coded drinking	BAC Result Range for 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	7	4	5	0	0	0	0	5
21 - 64	65	47	39	57	0	0	1	4	52
65 +	3	2	2	3	0	0	2	0	1
Other/Unknown	2	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>79</b>	<b>56</b>	<b>45</b>	<b>65</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>4</b>	<b>58</b>

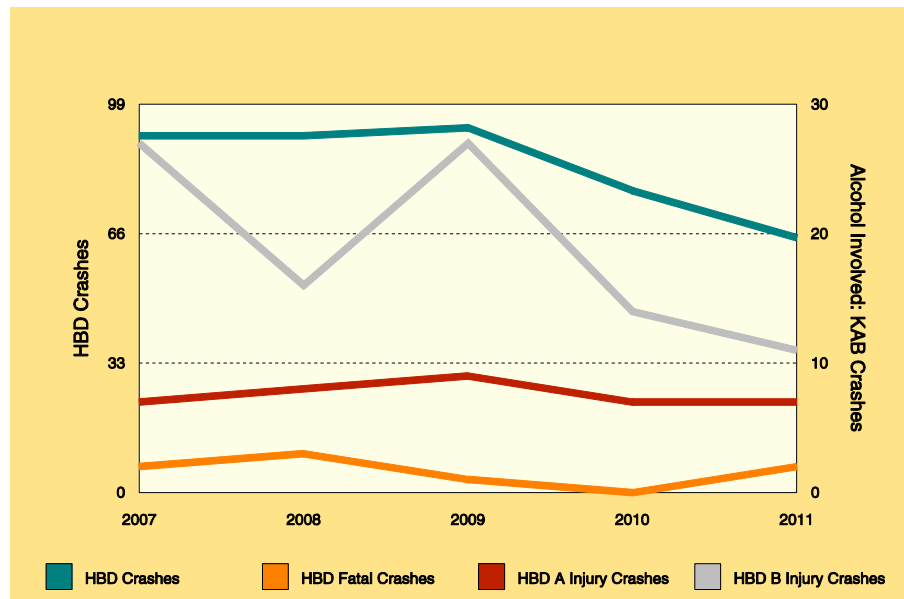
Notes:

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.

## Crashes Involving Alcohol



Note: Had-Been-Drinking (HBD)

SHIAWASSEE	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	2,502	91	3.6	10	2	20.0	43	7	16.3	146	27	18.5
2008	2,501	91	3.6	8	3	37.5	45	8	17.8	123	16	13.0
2009	2,335	93	4.0	6	1	16.7	55	9	16.4	122	27	22.1
2010	2,148	77	3.6	4	0	0.0	45	7	15.6	96	14	14.6
2011	2,041*	65*	3.2	6	2	33.3	52	7	13.5	110	11*	10.0

\* Lowest number reported in the 5-year period.

## Restraint use among reported vehicle occupants by vehicle type

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	1,889	1,812	95.9	3	1	33.3	37	35	94.6	83	77	92.8	187	181	96.8	1,545	1,514	98.0
Van, motorhome	155	149	96.1	0	0	0.0	0	0	0.0	4	3	75.0	19	19	100.0	128	126	98.4
Pickup truck	510	473	92.7	2	0	0.0	6	5	83.3	17	16	94.1	25	20	80.0	441	431	97.7
Small truck under 10,000 lbs. GVWR	130	127	97.7	0	0	0.0	6	5	83.3	6	6	100.0	9	9	100.0	106	106	100.0
Cycle	21	20	95.2	1	1	100.0	7	7	100.0	6	6	100.0	3	3	100.0	3	3	100.0
Moped	5	0	0.0	0	0	0.0	3	0	0.0	1	0	0.0	1	0	0.0	0	0	0.0
Go 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	3	0	0.0	0	0	0.0	1	0	0.0	1	0	0.0	0	0	0.0	0	0	0.0
Off-Road Vehicle (ORV) /All-Terrain Vehicle (ATV)	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Other	6	3	50.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	6	3	50.0
Truck/bus over 10,000 lbs.	61	56	91.8	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0	58	54	93.1
Uncoded & errors	21	1	4.8	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0
<b>TOTAL</b>	<b>2,801</b>	<b>2,641</b>	<b>94.3</b>	<b>6</b>	<b>2</b>	<b>33.3</b>	<b>60</b>	<b>52</b>	<b>86.7</b>	<b>118</b>	<b>108</b>	<b>91.5</b>	<b>246</b>	<b>234</b>	<b>95.1</b>	<b>2,288</b>	<b>2,238</b>	<b>97.8</b>

## Restraint use among reported vehicle occupants by age

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	28	26	92.9	0	0	0.0	3	3	100.0	4	4	100.0	18	16	88.9	3	3	100.0
16 - 20	398	387	97.2	0	0	0.0	9	8	88.9	24	24	100.0	41	36	87.8	323	318	98.5
21 - 64	2,021	1,960	97.0	6	2	33.3	44	37	84.1	73	63	86.3	170	166	97.6	1,722	1,688	98.0
65 +	270	263	97.4	0	0	0.0	4	4	100.0	16	16	100.0	13	13	100.0	235	229	97.4
Other/Unknown	84	5	6.0	0	0	0.0	0	0	0.0	1	1	100.0	4	3	75.0	5	0	0.0
<b>TOTAL</b>	<b>2,801</b>	<b>2,641</b>	<b>94.3</b>	<b>6</b>	<b>2</b>	<b>33.3</b>	<b>60</b>	<b>52</b>	<b>86.7</b>	<b>118</b>	<b>108</b>	<b>91.5</b>	<b>246</b>	<b>234</b>	<b>95.1</b>	<b>2,288</b>	<b>2,238</b>	<b>97.8</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Antrim Twp.	3	1	1	2	0	0	0	0	2
Bancroft	0	0	0	0	0	0	0	0	0
Bennington Twp.	2	1	1	2	0	0	0	0	2
Burns Twp.	3	3	2	3	0	0	0	0	3
Byron	0	0	0	0	0	0	0	0	0
Caledonia Twp.	12	7	6	10	0	0	1	0	9
Corunna	8	7	6	6	0	0	0	0	6
Durand	2	1	1	1	0	0	0	0	1
Fairfield Twp.	0	0	0	0	0	0	0	0	0
Hazelton Twp.	2	2	2	2	0	0	0	1	1
Laingsburg	0	0	0	0	0	0	0	0	0
Lennon	0	0	0	0	0	0	0	0	0
Middlebury Twp.	2	0	0	2	0	0	0	0	2
Morrice	0	0	0	0	0	0	0	0	0
New Haven Twp.	1	1	1	1	0	0	0	0	1
New Lothrop	0	0	0	0	0	0	0	0	0
Ovid	0	0	0	0	0	0	0	0	0
Owosso	8	7	5	6	0	0	0	0	6
Owosso Twp.	10	4	4	6	0	0	1	1	4
Perry	1	0	0	1	0	0	0	0	1
Perry Twp.	5	4	3	4	0	0	0	0	4
Rush Twp.	2	3	1	2	0	0	0	0	2
Sciota Twp.	3	5	3	3	0	0	1	0	2
Shiawassee Twp.	4	2	2	4	0	0	0	0	4
Venice Twp.	0	1	0	0	0	0	0	0	0
Vernon	0	0	0	0	0	0	0	0	0
Vernon Twp.	7	4	4	6	0	0	0	1	5
Woodhull Twp.	4	3	3	4	0	0	0	1	3
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Shiawassee County TOTAL</b>	<b>79</b>	<b>56</b>	<b>45</b>	<b>65</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>4</b>	<b>58</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Antrim Twp.	68	0	0	4	2	0	0	0	12	0	0	2
Bancroft	1	0	0	0	0	0	0	0	0	0	0	0
Bennington Twp.	122	0	0	25	2	0	0	2	12	0	0	4
Burns Twp.	103	2	2	18	3	0	0	2	19	0	0	7
Byron	2	0	0	0	0	0	0	0	1	0	0	0
Caledonia Twp.	171	0	0	48	10	0	0	6	20	0	0	5
Corunna	67	0	0	16	6	0	0	2	7	0	0	0
Durand	32	0	0	9	1	0	0	1	0	0	0	0
Fairfield Twp.	28	0	0	6	0	0	0	0	3	0	0	3
Hazelton Twp.	47	2	2	8	2	2	2	0	8	0	0	4
Laingsburg	9	0	0	1	0	0	0	0	1	0	0	0
Lennon	6	0	0	1	0	0	0	0	0	0	0	0
Middlebury Twp.	34	0	0	8	2	0	0	2	2	0	0	1
Morrice	11	0	0	1	0	0	0	0	0	0	0	0
New Haven Twp.	33	0	0	11	1	0	0	0	12	0	0	8
New Lothrop	3	0	0	0	0	0	0	0	0	0	0	0
Ovid	0	0	0	0	0	0	0	0	0	0	0	0
Owosso	213	0	0	79	6	0	0	2	6	0	0	2
Owosso Twp.	147	0	0	28	6	0	0	3	17	0	0	4
Perry	47	0	0	3	1	0	0	0	5	0	0	0
Perry Twp.	169	0	0	33	4	0	0	1	25	0	0	6
Rush Twp.	73	1	1	14	2	0	0	2	11	0	0	1
Sciota Twp.	59	0	0	12	3	0	0	2	4	0	0	2
Shiawassee Twp.	165	0	0	23	4	0	0	0	26	0	0	9
Venice Twp.	83	0	0	24	0	0	0	0	16	0	0	4
Vernon	10	1	1	2	0	0	0	0	3	1	1	1
Vernon Twp.	191	0	0	35	6	0	0	3	40	0	0	8
Woodhull Twp.	147	0	0	31	4	0	0	2	22	0	0	6
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Shiawassee County TOTAL</b>	<b>2,041</b>	<b>6</b>	<b>6</b>	<b>440</b>	<b>65</b>	<b>2</b>	<b>2</b>	<b>30</b>	<b>272</b>	<b>1</b>	<b>1</b>	<b>77</b>

## Restraint use among reported vehicle occupants by municipality

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Antrim Twp.	71	70	98.6	0	0	0.0	0	0	0.0	1	1	100.0	3	3	100.0	67	66	98.5
Bancroft	1	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Bennington Twp.	154	145	94.2	0	0	0.0	2	1	50.0	6	5	83.3	17	17	100.0	129	122	94.6
Burns Twp.	115	111	96.5	2	1	50.0	5	4	80.0	4	4	100.0	9	9	100.0	94	93	98.9
Byron	2	2	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0
Caledonia Twp.	259	250	96.5	0	0	0.0	7	7	100.0	13	11	84.6	27	24	88.9	210	208	99.0
Corunna	118	111	94.1	0	0	0.0	2	1	50.0	3	3	100.0	11	11	100.0	98	96	98.0
Durand	62	53	85.5	0	0	0.0	0	0	0.0	2	2	100.0	6	6	100.0	48	45	93.8
Fairfield Twp.	31	30	96.8	0	0	0.0	2	2	100.0	3	3	100.0	1	1	100.0	25	24	96.0
Hazelton Twp.	52	49	94.2	2	1	50.0	0	0	0.0	1	1	100.0	7	7	100.0	42	40	95.2
Laingsburg	14	12	85.7	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	12	11	91.7
Lennon	7	7	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	7	7	100.0
Middlebury Twp.	35	35	100.0	0	0	0.0	0	0	0.0	5	5	100.0	3	3	100.0	27	27	100.0
Morrice	13	13	100.0	0	0	0.0	0	0	0.0	1	1	100.0	0	0	0.0	12	12	100.0
New Haven Twp.	41	40	97.6	0	0	0.0	2	2	100.0	4	4	100.0	5	4	80.0	30	30	100.0
New Lothrop	4	4	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	4	4	100.0
Ovid	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Owosso	428	379	88.6	0	0	0.0	9	8	88.9	15	12	80.0	46	44	95.7	319	313	98.1
Owosso Twp.	198	191	96.5	0	0	0.0	4	3	75.0	10	10	100.0	14	13	92.9	167	164	98.2
Perry	73	66	90.4	0	0	0.0	1	0	0.0	1	1	100.0	1	1	100.0	67	63	94.0
Perry Twp.	222	213	95.9	0	0	0.0	3	3	100.0	10	7	70.0	20	20	100.0	185	182	98.4
Rush Twp.	85	81	95.3	1	0	0.0	2	2	100.0	6	6	100.0	5	5	100.0	68	68	100.0
Sciota Twp.	65	64	98.5	0	0	0.0	2	2	100.0	1	1	100.0	9	9	100.0	53	52	98.1
Shiawassee Twp.	187	177	94.7	0	0	0.0	4	4	100.0	3	3	100.0	15	13	86.7	162	157	96.9
Venice Twp.	122	116	95.1	0	0	0.0	6	5	83.3	6	6	100.0	11	11	100.0	95	94	98.9
Vernon	15	11	73.3	1	0	0.0	0	0	0.0	2	1	50.0	0	0	0.0	11	10	90.9
Vernon Twp.	254	245	96.5	0	0	0.0	7	6	85.7	12	12	100.0	16	15	93.8	214	211	98.6
Woodhull Twp.	173	166	96.0	0	0	0.0	2	2	100.0	9	9	100.0	19	17	89.5	140	137	97.9
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Shiawassee County TOTAL</b>	<b>2,801</b>	<b>2,641</b>	<b>94.3</b>	<b>6</b>	<b>2</b>	<b>33.3</b>	<b>60</b>	<b>52</b>	<b>86.7</b>	<b>118</b>	<b>108</b>	<b>91.5</b>	<b>246</b>	<b>234</b>	<b>95.1</b>	<b>2,288</b>	<b>2,238</b>	<b>97.8</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	178	0	17	161	0	19
February	141	0	19	122	0	28
March	155	0	22	133	0	26
April	109	0	26	83	0	36
May	83	0	12	71	0	16
June	132	0	17	115	0	19
July	91	0	16	75	0	32
August	85	1	23	61	1	35
September	137	0	26	111	0	30
October	189	0	26	163	0	32
November	251	0	28	223	0	44
December	203	0	22	181	0	29
<b>TOTAL</b>	<b>1,754</b>	<b>1</b>	<b>254</b>	<b>1,499</b>	<b>1</b>	<b>346</b>

In Tuscola County in 2011 there were:

1,754 crashes

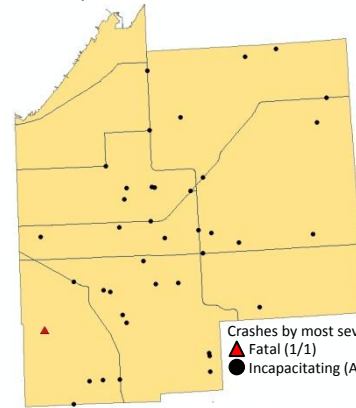
Involving:

2,544 people

2,532 motor vehicle drivers and passengers

1 bicyclist

11 pedestrians



## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	11,191	334	2	1.8	59.9
16 - 20	4,006	3,092	282	703.9	912.0
21 - 64	31,701	30,082	1,572	495.9	522.6
65 +	8,831	8,277	198	224.2	239.2
Other/Unknown	--	--	53	--	--
<b>TOTAL</b>	<b>55,729</b>	<b>41,785</b>	<b>2,107</b>	<b>378.1</b>	<b>504.2</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	1,391	66.0	0	0.0	224	1,167
Van, motorhome	112	5.3	0	0.0	17	95
Pickup truck	507	24.1	0	0.0	78	429
Small truck under 10,000 lbs. GVWR	20	0.9	0	0.0	3	17
Cycle	27	1.3	1	100.0	24	2
Moped	2	0.1	0	0.0	2	0
Go Cart	0	0.0	0	0.0	0	0
Snowmobile	2	0.1	0	0.0	2	0
Off-Road Vehicle (ORV) / All-Terrain Vehicle (ATV)	1	0.0	0	0.0	0	1
Other	6	0.3	0	0.0	2	4
Truck/bus over 10,000 lbs.	28	1.3	0	0.0	9	19
Unknown	11	0.5	0	0.0	1	10
<b>TOTAL</b>	<b>2,107</b>	<b>100.0</b>	<b>1</b>	<b>100.0</b>	<b>362</b>	<b>1,744</b>

## Tuscola County Experience

Tuscola County experienced the highest number of fatal crashes (1) and the highest number of persons killed (1) in August.

Tuscola County driver statistics indicate 7.4 percent of licensed drivers were age 16-20, and 13.4 percent of drivers in that age group were involved in crashes.

In Tuscola County, motorcycles accounted for only 1.3 percent of the total vehicles in crashes, but it was the only vehicle type involved in a fatal crash.



## Crash Type

	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	1,414	80.6	1	100.0	21	53	83	1,256
Head On	8	0.5	0	0.0	2	3	0	3
Head On - Left Turn	11	0.6	0	0.0	0	0	6	5
Angle	125	7.1	0	0.0	10	9	20	86
Rear End	87	5.0	0	0.0	2	4	20	61
Rear End - Left Turn	11	0.6	0	0.0	0	4	0	7
Rear End - Right Turn	6	0.3	0	0.0	0	0	1	5
Sideswipe - Same Direction	35	2.0	0	0.0	2	0	2	31
Sideswipe - Opposite Direct	18	1.0	0	0.0	0	0	1	17
Other/Unknown	39	2.2	0	0.0	2	4	5	28
<b>Total</b>	<b>1,754</b>	<b>100.0</b>	<b>1</b>	<b>100.0</b>	<b>39</b>	<b>77</b>	<b>138</b>	<b>1,499</b>

## Relationship to Roadway

Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	1,332	75.9	0	0.0	23	40	81	1,188
Median	1	0.1	0	0.0	0	0	0	1
Shoulder	65	3.7	0	0.0	4	5	9	47
Outside of Shoulder/Curb	334	19.0	1	100.0	12	31	44	246
Gore	13	0.7	0	0.0	0	0	3	10
Other/Unknown	9	0.5	0	0.0	0	1	1	7
<b>Total</b>	<b>1,754</b>	<b>100.0</b>	<b>1</b>	<b>100.0</b>	<b>39</b>	<b>77</b>	<b>138</b>	<b>1,499</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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	1	0	0	0	0	0	0	0
16 - 20	13	12	10	10	0	1	5	3	1
21 - 64	78	61	47	72	0	4	17	12	39
65 +	2	2	1	1	0	0	1	0	0
Other/Unknown	1	0	0	1	0	0	0	0	1
<b>TOTAL</b>	<b>94</b>	<b>76</b>	<b>58</b>	<b>84</b>	<b>0</b>	<b>5</b>	<b>23</b>	<b>15</b>	<b>41</b>

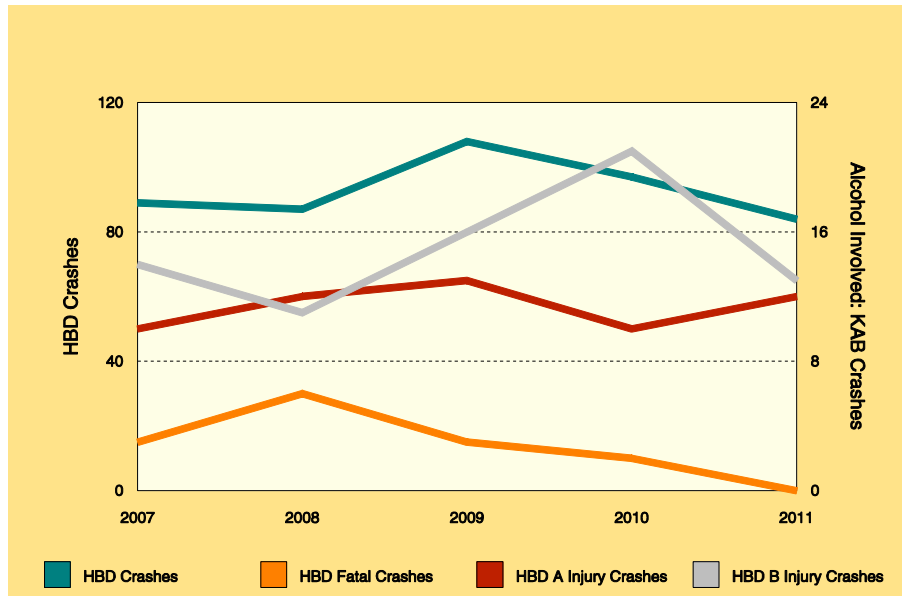
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

TUSCOLA	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	1,958	89	4.6	5	3	60.0	45	10	22.2	89	14	15.7
2008	2,025	87	4.3	11	6	54.6	45	12	26.7	81	11	13.6
2009	1,977	108	5.5	11	3	27.3	68	13	19.1	92	16	17.4
2010	1,923	97	5.0	9	2	22.2	53	10	18.9	85	21	24.7
2011	1,754*	84*	4.8	1*	0*	0.0	39*	12	30.8	77*	13	16.9

\* Lowest number reported in the 5-year period.

**Restraint use among reported vehicle occupants by vehicle type**

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	1,444	1,375	95.2	0	0	0.0	35	26	74.3	51	48	94.1	124	112	90.3	1,218	1,189	97.6
Van, motorhome	118	108	91.5	0	0	0.0	5	4	80.0	2	1	50.0	10	10	100.0	100	93	93.0
Pickup truck	530	480	90.6	0	0	0.0	7	5	71.4	35	27	77.1	32	31	96.9	437	417	95.4
Small truck under 10,000 lbs. GVWR	21	19	90.5	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0	19	17	89.5
Cycle	30	28	93.3	1	1	100.0	4	4	100.0	17	17	100.0	6	5	83.3	2	1	50.0
Moped	2	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	2	0	0.0	0	0	0.0
Go 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	2	2	100.0	0	0	0.0	0	0	0.0	1	1	100.0	1	1	100.0	0	0	0.0
Off-Road Vehicle (ORV) /All-Terrain Vehicle (ATV)	1	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0
Other	6	2	33.3	0	0	0.0	0	0	0.0	1	0	0.0	0	0	0.0	5	2	40.0
Truck/bus over 10,000 lbs.	28	25	89.3	0	0	0.0	1	0	0.0	1	1	100.0	1	1	100.0	25	23	92.0
Uncoded & errors	11	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>TOTAL</b>	<b>2,193</b>	<b>2,039</b>	<b>93.0</b>	<b>1</b>	<b>1</b>	<b>100.0</b>	<b>52</b>	<b>39</b>	<b>75.0</b>	<b>108</b>	<b>95</b>	<b>88.0</b>	<b>178</b>	<b>162</b>	<b>91.0</b>	<b>1,807</b>	<b>1,742</b>	<b>96.4</b>

**Restraint use among reported vehicle occupants by age**

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	34	30	88.2	0	0	0.0	3	2	66.7	12	12	100.0	18	15	83.3	1	1	100.0
16 - 20	300	290	96.7	0	0	0.0	12	9	75.0	15	15	100.0	28	27	96.4	245	239	97.6
21 - 64	1,605	1,522	94.8	1	1	100.0	33	26	78.8	79	66	83.5	120	108	90.0	1,372	1,321	96.3
65 +	201	197	98.0	0	0	0.0	4	2	50.0	2	2	100.0	12	12	100.0	183	181	98.9
Other/Unknown	53	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	6	0	0.0
<b>TOTAL</b>	<b>2,193</b>	<b>2,039</b>	<b>93.0</b>	<b>1</b>	<b>1</b>	<b>100.0</b>	<b>52</b>	<b>39</b>	<b>75.0</b>	<b>108</b>	<b>95</b>	<b>88.0</b>	<b>178</b>	<b>162</b>	<b>91.0</b>	<b>1,807</b>	<b>1,742</b>	<b>96.4</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Akron	1	0	0	1	0	0	0	0	1
Akron Twp.	2	1	1	2	0	0	0	0	2
Almer Twp.	2	4	2	2	0	0	1	0	1
Arbela Twp.	4	4	4	4	0	1	1	1	1
Caro	2	5	2	2	0	1	0	1	0
Cass City	1	2	1	1	0	0	0	0	1
Columbia Twp.	1	2	1	1	0	0	1	0	0
Dayton Twp.	1	0	0	1	0	0	0	0	1
Denmark Twp.	5	2	1	4	0	0	1	0	3
Elkland Twp.	1	0	0	1	0	0	0	0	1
Ellington Twp.	5	4	4	5	0	1	1	2	1
Elmwood Twp.	4	4	3	3	0	0	1	2	0
Fairgrove	1	1	1	1	0	0	0	0	1
Fairgrove Twp.	3	4	3	3	0	0	1	1	1
Fremont Twp.	2	3	2	2	0	0	1	0	1
Gagetown	0	0	0	0	0	0	0	0	0
Gilford Twp.	1	0	0	1	0	0	0	0	1
Indian Fields Twp.	5	3	3	4	0	0	1	0	3
Juniata Twp.	2	2	2	2	0	0	2	0	0
Kingston	0	0	0	0	0	0	0	0	0
Kingston Twp.	2	0	0	2	0	0	0	0	2
Koylton Twp.	5	2	2	5	0	0	2	0	3
Mayville	0	0	0	0	0	0	0	0	0
Millington	0	0	0	0	0	0	0	0	0
Millington Twp.	10	8	7	9	0	1	3	2	3
Novesta Twp.	3	2	2	2	0	0	1	0	1
Reese	0	0	0	0	0	0	0	0	0
Tuscola Twp.	2	1	0	1	0	0	0	0	1
Unionville	0	0	0	0	0	0	0	0	0
Vassar	3	4	2	2	0	0	0	2	0
Vassar Twp.	12	11	9	9	0	0	5	2	2
Watertown Twp.	4	1	0	4	0	0	0	0	4
Wells Twp.	9	5	5	9	0	0	1	2	6
Wisner Twp.	1	1	1	1	0	1	0	0	0
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Tuscola County TOTAL</b>	<b>94</b>	<b>76</b>	<b>58</b>	<b>84</b>	<b>0</b>	<b>5</b>	<b>23</b>	<b>15</b>	<b>41</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Akron	4	0	0	1	1	0	0	1	1	0	0	0
Akron Twp.	34	0	0	2	2	0	0	0	10	0	0	2
Almer Twp.	70	0	0	12	2	0	0	2	7	0	0	2
Arbela Twp.	74	0	0	10	4	0	0	2	20	0	0	3
Caro	113	0	0	33	2	0	0	2	6	0	0	1
Cass City	28	0	0	4	1	0	0	0	2	0	0	0
Columbia Twp.	26	0	0	14	1	0	0	0	7	0	0	4
Dayton Twp.	56	0	0	12	1	0	0	0	5	0	0	1
Denmark Twp.	44	0	0	13	4	0	0	2	12	0	0	4
Elkland Twp.	73	0	0	8	1	0	0	2	10	0	0	2
Ellington Twp.	76	0	0	8	5	0	0	3	7	0	0	3
Elmwood Twp.	73	0	0	10	3	0	0	1	10	0	0	3
Fairgrove	2	0	0	1	1	0	0	1	0	0	0	0
Fairgrove Twp.	37	0	0	11	3	0	0	2	7	0	0	3
Fremont Twp.	81	0	0	11	2	0	0	1	15	0	0	3
Gagetown	6	0	0	1	0	0	0	0	0	0	0	0
Gilford Twp.	18	0	0	6	1	0	0	0	4	0	0	4
Indian Fields Twp.	142	0	0	37	5	0	0	4	23	0	0	9
Juniata Twp.	89	0	0	24	2	0	0	0	17	0	0	3
Kingston	5	0	0	1	0	0	0	0	1	0	0	0
Kingston Twp.	41	0	0	9	2	0	0	0	5	0	0	2
Koylton Twp.	63	0	0	7	5	0	0	1	9	0	0	5
Mayville	7	0	0	2	0	0	0	0	0	0	0	0
Millington	10	0	0	2	0	0	0	0	0	0	0	0
Millington Twp.	87	0	0	23	9	0	0	4	9	0	0	2
Novesta Twp.	71	0	0	6	2	0	0	2	8	0	0	4
Reese	12	0	0	0	0	0	0	0	1	0	0	0
Tuscola Twp.	79	1	1	22	1	0	0	1	22	0	0	5
Unionville	6	0	0	1	0	0	0	0	1	0	0	0
Vassar	32	0	0	6	2	0	0	0	1	0	0	0
Vassar Twp.	115	0	0	21	9	0	0	9	26	0	0	2
Watertown Twp.	53	0	0	15	3	0	0	3	4	0	0	3
Wells Twp.	105	0	0	13	9	0	0	5	17	0	0	4
Wisner Twp.	22	0	0	0	1	0	0	0	0	0	0	0
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Tuscola County TOTAL</b>	<b>1,754</b>	<b>1</b>	<b>1</b>	<b>346</b>	<b>84</b>	<b>0</b>	<b>0</b>	<b>48</b>	<b>267</b>	<b>0</b>	<b>0</b>	<b>74</b>

Restraint use among reported vehicle occupants by municipality

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Akron	6	4	66.7	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0	4	4	100.0
Akron Twp.	39	38	97.4	0	0	0.0	0	0	0.0	1	1	100.0	1	1	100.0	37	36	97.3
Almer Twp.	82	81	98.8	0	0	0.0	1	1	100.0	7	6	85.7	4	4	100.0	70	70	100.0
Arbela Twp.	86	81	94.2	0	0	0.0	1	1	100.0	1	1	100.0	8	7	87.5	73	72	98.6
Caro	217	190	87.6	0	0	0.0	1	1	100.0	5	5	100.0	23	19	82.6	177	165	93.2
Cass City	48	42	87.5	0	0	0.0	0	0	0.0	0	0	0.0	4	4	100.0	42	38	90.5
Columbia Twp.	36	33	91.7	0	0	0.0	4	3	75.0	7	7	100.0	3	2	66.7	22	21	95.5
Dayton Twp.	62	61	98.4	0	0	0.0	1	1	100.0	6	6	100.0	5	5	100.0	49	49	100.0
Denmark Twp.	58	53	91.4	0	0	0.0	1	1	100.0	5	3	60.0	7	7	100.0	44	42	95.5
Elkland Twp.	81	77	95.1	0	0	0.0	1	0	0.0	3	3	100.0	4	4	100.0	72	70	97.2
Ellington Twp.	82	79	96.3	0	0	0.0	0	0	0.0	4	3	75.0	4	3	75.0	74	73	98.6
Elmwood Twp.	79	75	94.9	0	0	0.0	3	3	100.0	3	3	100.0	4	4	100.0	69	65	94.2
Fairgrove	2	1	50.0	0	0	0.0	1	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0
Fairgrove Twp.	42	40	95.2	0	0	0.0	4	3	75.0	1	1	100.0	6	6	100.0	30	30	100.0
Fremont Twp.	94	88	93.6	0	0	0.0	2	0	0.0	5	5	100.0	4	4	100.0	82	79	96.3
Gagetown	7	4	57.1	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0	6	4	66.7
Gilford Twp.	22	20	90.9	0	0	0.0	0	0	0.0	1	1	100.0	4	3	75.0	16	16	100.0
Indian Fields Twp.	181	162	89.5	0	0	0.0	7	3	42.9	11	9	81.8	19	17	89.5	143	133	93.0
Juniata Twp.	117	114	97.4	0	0	0.0	4	4	100.0	7	7	100.0	13	13	100.0	93	90	96.8
Kingston	6	4	66.7	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	3	3	100.0
Kingston Twp.	48	46	95.8	0	0	0.0	1	1	100.0	4	4	100.0	4	4	100.0	37	37	100.0
Koylton Twp.	64	62	96.9	0	0	0.0	0	0	0.0	3	2	66.7	4	4	100.0	57	56	98.2
Mayville	9	7	77.8	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0	6	5	83.3
Millington	15	14	93.3	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	13	13	100.0
Millington Twp.	113	108	95.6	0	0	0.0	6	6	100.0	10	8	80.0	7	7	100.0	89	87	97.8
Novesta Twp.	76	72	94.7	0	0	0.0	1	0	0.0	3	2	66.7	2	2	100.0	69	68	98.6
Reese	18	15	83.3	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	17	15	88.2
Tuscola Twp.	98	96	98.0	1	1	100.0	2	2	100.0	5	5	100.0	15	14	93.3	75	74	98.7
Unionville	8	7	87.5	0	0	0.0	0	0	0.0	1	1	100.0	0	0	0.0	6	6	100.0
Vassar	57	51	89.5	0	0	0.0	0	0	0.0	0	0	0.0	5	4	80.0	49	47	95.9
Vassar Twp.	142	132	93.0	0	0	0.0	5	3	60.0	7	6	85.7	8	7	87.5	118	116	98.3
Watertown Twp.	62	56	90.3	0	0	0.0	5	5	100.0	2	1	50.0	8	8	100.0	45	42	93.3
Wells Twp.	112	104	92.9	0	0	0.0	1	1	100.0	6	5	83.3	6	5	83.3	97	93	95.9
Wisner Twp.	24	22	91.7	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	22	22	100.0
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Tuscola County TOTAL</b>	<b>2,193</b>	<b>2,039</b>	<b>93.0</b>	<b>1</b>	<b>1</b>	<b>100.0</b>	<b>52</b>	<b>39</b>	<b>75.0</b>	<b>108</b>	<b>95</b>	<b>88.0</b>	<b>178</b>	<b>162</b>	<b>91.0</b>	<b>1,807</b>	<b>1,742</b>	<b>96.4</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	327	0	34	293	0	45
February	219	2	22	195	2	35
March	109	0	23	86	0	30
April	128	0	20	108	0	29
May	153	1	33	119	1	46
June	154	1	31	122	1	43
July	173	2	32	139	2	46
August	133	2	35	96	2	57
September	140	1	15	124	1	22
October	179	0	28	151	0	35
November	241	0	27	214	0	36
December	209	1	27	181	1	34
<b>TOTAL</b>	<b>2,165</b>	<b>10</b>	<b>327</b>	<b>1,828</b>	<b>10</b>	<b>458</b>

In Van Buren County in 2011 there were:  
2,165 crashes

Involving:

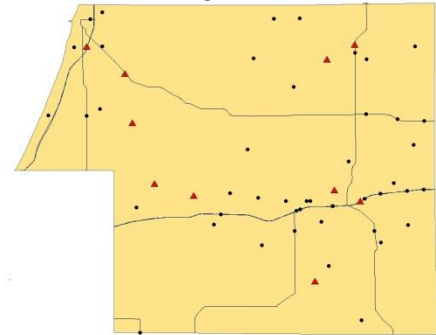
3,837 people

3,824 motor vehicle drivers and passengers

5 bicyclists

7 pedestrians

1 train engineer



Crashes by most severe injury (mapped/actual)

▲ Fatal (10/10)

● Incapacitating (A) (46/46)

## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	16,973	347	7	4.1	201.7
16 - 20	5,312	3,969	372	700.3	937.3
21 - 64	43,450	40,937	2,165	498.3	528.9
65 +	10,523	9,765	267	253.7	273.4
Other/Unknown	--	--	130	--	--
<b>TOTAL</b>	<b>76,258</b>	<b>55,018</b>	<b>2,941</b>	<b>385.7</b>	<b>534.6</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Vehicles in Crashes

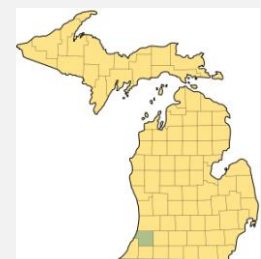
Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	2,037	69.3	9	56.3	343	1,685
Van, motorhome	161	5.5	1	6.3	27	133
Pickup truck	483	16.4	4	25.0	69	410
Small truck under 10,000 lbs. GVWR	32	1.1	0	0.0	2	30
Cycle	42	1.4	2	12.5	29	11
Moped	4	0.1	0	0.0	4	0
Go 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)	4	0.1	0	0.0	2	2
Other	18	0.6	0	0.0	4	14
Truck/bus over 10,000 lbs.	128	4.4	0	0.0	21	107
Unknown	32	1.1	0	0.0	1	31
<b>TOTAL</b>	<b>2,941</b>	<b>100.0</b>	<b>16</b>	<b>100.0</b>	<b>502</b>	<b>2,423</b>

## Van Buren County Experience

Van Buren County experienced the highest number of fatal crashes (2) and the highest number of persons killed (2) in February, July, and August.

Van Buren County driver statistics indicate 7.2 percent of licensed drivers were age 16-20, and 12.6 percent of drivers in that age group were involved in crashes.

In Van Buren County, motorcycles accounted for only 1.4 percent of the total vehicles in crashes, but were involved in 12.5 percent of the total fatal crashes.



Crash Type								
	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	1,405	64.9	5	50.0	27	52	87	1,234
Head On	24	1.1	1	10.0	2	4	10	7
Head On - Left Turn	33	1.5	0	0.0	2	1	11	19
Angle	192	8.9	2	20.0	4	18	28	140
Rear End	204	9.4	0	0.0	3	8	28	165
Rear End - Left Turn	23	1.1	0	0.0	1	0	3	19
Rear End - Right Turn	14	0.6	0	0.0	0	0	3	11
Sideswipe - Same Direction	123	5.7	1	10.0	3	0	8	111
Sideswipe - Opposite Direct	36	1.7	0	0.0	2	1	6	27
Other/Unknown	111	5.1	1	10.0	2	5	8	95
<b>Total</b>	<b>2,165</b>	<b>100.0</b>	<b>10</b>	<b>100.0</b>	<b>46</b>	<b>89</b>	<b>192</b>	<b>1,828</b>

Relationship to Roadway								
Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	1,471	67.9	7	70.0	26	45	123	1,270
Median	46	2.1	0	0.0	0	1	5	40
Shoulder	225	10.4	0	0.0	3	12	21	189
Outside of Shoulder/Curb	358	16.5	2	20.0	16	27	41	272
Gore	15	0.7	0	0.0	0	1	1	13
Other/Unknown	50	2.3	1	10.0	1	3	1	44
<b>Total</b>	<b>2,165</b>	<b>100.0</b>	<b>10</b>	<b>100.0</b>	<b>46</b>	<b>89</b>	<b>192</b>	<b>1,828</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	Total drivers coded drinking	BAC Result Range for 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	16	18	12	13	0	4	4	3	2
21 - 64	91	88	63	84	1	11	22	19	31
65 +	2	4	1	1	0	0	0	1	0
Other/Unknown	2	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>111</b>	<b>110</b>	<b>76</b>	<b>98</b>	<b>1</b>	<b>15</b>	<b>26</b>	<b>23</b>	<b>33</b>

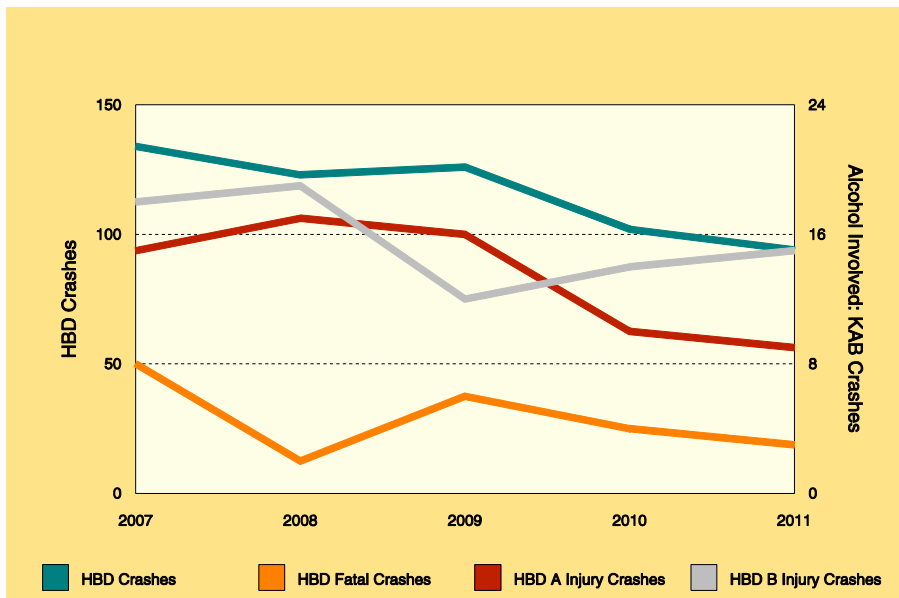
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

VAN BUREN	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	2,690	134	5.0	23	8	34.8	72	15	20.8	153	18	11.8
2008	2,749	123	4.5	14	2	14.3	87	17	19.5	136	19	14.0
2009	2,531	126	5.0	10	6	60.0	75	16	21.3	115	12	10.4
2010	2,332	102	4.4	10	4	40.0	49	10	20.4	97	14	14.4
2011	2,165*	94*	4.3	10	3	30.0	46*	9*	19.6	89*	15	16.9

\* Lowest number reported in the 5-year period.

## Restraint use among reported vehicle occupants by vehicle type

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	2,126	1,991	93.7	6	5	83.3	36	24	66.7	81	75	92.6	201	187	93.0	1,752	1,700	97.0
Van, motorhome	175	158	90.3	0	0	0.0	8	4	50.0	3	3	100.0	19	16	84.2	141	135	95.7
Pickup truck	496	440	88.7	2	0	0.0	8	3	37.5	13	11	84.6	32	28	87.5	425	398	93.6
Small truck under 10,000 lbs. GVWR	33	33	100.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	32	32	100.0
Cycle	45	41	91.1	2	2	100.0	9	8	88.9	11	11	100.0	8	8	100.0	13	12	92.3
Moped	4	1	25.0	0	0	0.0	0	0	0.0	2	1	50.0	2	0	0.0	0	0	0.0
Go 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)	6	0	0.0	0	0	0.0	1	0	0.0	3	0	0.0	0	0	0.0	2	0	0.0
Other	18	3	16.7	0	0	0.0	0	0	0.0	1	0	0.0	1	0	0.0	11	3	27.3
Truck/bus over 10,000 lbs.	128	118	92.2	0	0	0.0	0	0	0.0	1	1	100.0	7	7	100.0	119	110	92.4
Uncoded & errors	32	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0
<b>TOTAL</b>	<b>3,063</b>	<b>2,785</b>	<b>90.9</b>	<b>10</b>	<b>7</b>	<b>70.0</b>	<b>62</b>	<b>39</b>	<b>62.9</b>	<b>115</b>	<b>102</b>	<b>88.7</b>	<b>271</b>	<b>247</b>	<b>91.1</b>	<b>2,496</b>	<b>2,390</b>	<b>95.8</b>

## Restraint use among reported vehicle occupants by age

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	37	31	83.8	0	0	0.0	6	2	33.3	6	5	83.3	18	17	94.4	7	7	100.0
16 - 20	384	363	94.5	3	2	66.7	9	6	66.7	12	8	66.7	32	28	87.5	328	319	97.3
21 - 64	2,233	2,127	95.3	5	3	60.0	37	26	70.3	83	75	90.4	201	184	91.5	1,906	1,839	96.5
65 +	279	261	93.5	2	2	100.0	10	5	50.0	14	14	100.0	20	18	90.0	233	222	95.3
Other/Unknown	130	3	2.3	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	22	3	13.6
<b>TOTAL</b>	<b>3,063</b>	<b>2,785</b>	<b>90.9</b>	<b>10</b>	<b>7</b>	<b>70.0</b>	<b>62</b>	<b>39</b>	<b>62.9</b>	<b>115</b>	<b>102</b>	<b>88.7</b>	<b>271</b>	<b>247</b>	<b>91.1</b>	<b>2,496</b>	<b>2,390</b>	<b>95.8</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Almena Twp.	8	8	5	7	0	0	3	0	4
Antwerp Twp.	9	8	6	7	0	2	1	2	2
Arlington Twp.	3	3	2	3	0	0	2	0	1
Bangor	0	0	0	0	0	0	0	0	0
Bangor Twp.	4	4	3	4	0	1	1	1	1
Bloomington	0	0	0	0	0	0	0	0	0
Bloomington Twp.	4	4	3	3	0	0	1	2	0
Breedsville	0	1	0	0	0	0	0	0	0
Columbia Twp.	10	6	6	10	0	3	2	0	5
Covert Twp.	2	3	1	2	0	1	0	0	1
Decatur	1	2	1	1	0	0	1	0	0
Decatur Twp.	1	4	1	1	0	0	0	0	1
Geneva Twp.	5	4	3	4	1	0	1	1	1
Gobles	1	2	1	1	0	0	0	1	0
Hamilton Twp.	6	6	6	6	0	2	1	2	1
Hartford	1	2	1	1	0	0	1	0	0
Hartford Twp.	3	4	2	3	0	0	0	2	1
Keeler Twp.	2	5	1	2	0	0	1	0	1
Lawrence	2	1	1	1	0	0	0	1	0
Lawrence Twp.	6	4	4	6	0	1	2	0	3
Lawton	4	3	2	2	0	1	0	1	0
Mattawan	2	1	1	2	0	0	0	1	1
Paw Paw	5	8	4	5	0	2	1	1	1
Paw Paw Twp.	7	6	5	7	0	0	2	2	3
Pine Grove Twp.	4	4	2	3	0	0	1	1	1
Porter Twp.	5	4	4	5	0	1	2	1	1
South Haven	9	5	5	5	0	0	2	2	1
South Haven Twp.	5	5	4	5	0	0	1	1	3
Waverly Twp.	2	3	2	2	0	1	0	1	0
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Van Buren County TOTAL</b>	<b>111</b>	<b>110</b>	<b>76</b>	<b>98</b>	<b>1</b>	<b>15</b>	<b>26</b>	<b>23</b>	<b>33</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Almena Twp.	107	0	0	27	6	0	0	6	18	0	0	4
Antwerp Twp.	181	1	1	44	7	0	0	2	45	1	1	4
Arlington Twp.	49	0	0	12	3	0	0	3	3	0	0	0
Bangor	26	0	0	2	0	0	0	0	2	0	0	0
Bangor Twp.	60	1	1	14	4	1	1	3	14	1	1	3
Bloomingtondale	5	0	0	0	0	0	0	0	1	0	0	0
Bloomingtondale Twp.	57	1	1	11	3	1	1	0	11	0	0	1
Breedsville	4	0	0	1	0	0	0	0	0	0	0	0
Columbia Twp.	40	0	0	11	8	0	0	4	8	0	0	2
Covert Twp.	102	0	0	24	2	0	0	0	22	0	0	2
Decatur	25	0	0	4	1	0	0	0	2	0	0	1
Decatur Twp.	52	1	1	16	1	0	0	1	13	1	1	7
Geneva Twp.	101	1	1	23	4	0	0	0	24	0	0	8
Gobles	18	0	0	8	1	0	0	1	1	0	0	1
Hamilton Twp.	48	0	0	10	5	0	0	3	10	0	0	3
Hartford	18	0	0	1	1	0	0	0	1	0	0	0
Hartford Twp.	121	1	1	25	3	0	0	1	42	0	0	8
Keeler Twp.	64	0	0	18	2	0	0	3	17	0	0	8
Lawrence	18	0	0	1	1	0	0	0	1	0	0	0
Lawrence Twp.	152	1	1	23	6	0	0	5	60	0	0	10
Lawton	24	0	0	10	2	0	0	2	3	0	0	2
Mattawan	90	0	0	16	2	0	0	2	26	0	0	5
Paw Paw	144	0	0	29	5	0	0	0	23	0	0	4
Paw Paw Twp.	151	1	1	41	7	0	0	3	51	1	1	6
Pine Grove Twp.	83	1	1	14	3	1	1	2	6	0	0	5
Porter Twp.	61	0	0	7	5	0	0	3	17	0	0	4
South Haven	139	0	0	26	5	0	0	3	7	0	0	0
South Haven Twp.	129	1	1	22	5	0	0	3	32	0	0	6
Waverly Twp.	96	0	0	18	2	0	0	0	10	0	0	8
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Van Buren County TOTAL</b>	<b>2,165</b>	<b>10</b>	<b>10</b>	<b>458</b>	<b>94</b>	<b>3</b>	<b>3</b>	<b>50</b>	<b>470</b>	<b>4</b>	<b>4</b>	<b>102</b>

Restraint use among reported vehicle occupants by municipality

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Almena Twp.	144	133	92.4	0	0	0.0	5	4	80.0	4	2	50.0	18	17	94.4	113	110	97.3
Antwerp Twp.	260	238	91.5	1	0	0.0	5	4	80.0	13	11	84.6	25	24	96.0	206	199	96.6
Arlington Twp.	62	61	98.4	0	0	0.0	1	1	100.0	4	4	100.0	7	6	85.7	50	50	100.0
Bangor	43	33	76.7	0	0	0.0	0	0	0.0	0	0	0.0	2	1	50.0	37	32	86.5
Bangor Twp.	75	70	93.3	1	1	100.0	1	1	100.0	4	3	75.0	8	8	100.0	60	57	95.0
Bloomingdale	6	6	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	6	6	100.0
Bloomingdale Twp.	69	65	94.2	1	1	100.0	1	1	100.0	6	6	100.0	4	4	100.0	57	53	93.0
Breedsville	6	5	83.3	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	5	4	80.0
Columbia Twp.	53	48	90.6	0	0	0.0	2	1	50.0	6	6	100.0	3	3	100.0	40	38	95.0
Covert Twp.	138	126	91.3	0	0	0.0	3	3	100.0	2	2	100.0	19	16	84.2	111	105	94.6
Decatur	46	38	82.6	0	0	0.0	0	0	0.0	1	1	100.0	3	3	100.0	37	34	91.9
Decatur Twp.	64	52	81.3	1	0	0.0	1	0	0.0	8	4	50.0	7	5	71.4	45	43	95.6
Geneva Twp.	133	121	91.0	1	1	100.0	2	1	50.0	9	9	100.0	12	11	91.7	104	99	95.2
Gobles	34	25	73.5	0	0	0.0	3	2	66.7	1	1	100.0	4	2	50.0	23	20	87.0
Hamilton Twp.	57	51	89.5	0	0	0.0	0	0	0.0	3	3	100.0	7	6	85.7	44	42	95.5
Hartford	32	29	90.6	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	29	28	96.6
Hartford Twp.	155	145	93.5	1	1	100.0	1	0	0.0	6	6	100.0	18	17	94.4	126	121	96.0
Keeler Twp.	77	65	84.4	0	0	0.0	0	0	0.0	7	4	57.1	11	10	90.9	57	51	89.5
Lawrence	33	28	84.8	0	0	0.0	1	1	100.0	0	0	0.0	0	0	0.0	29	27	93.1
Lawrence Twp.	183	173	94.5	1	1	100.0	4	3	75.0	2	2	100.0	17	16	94.1	156	151	96.8
Lawton	45	39	86.7	0	0	0.0	3	3	100.0	2	2	100.0	3	3	100.0	34	31	91.2
Mattawan	133	132	99.2	0	0	0.0	1	1	100.0	5	5	100.0	10	10	100.0	116	116	100.0
Paw Paw	255	232	91.0	0	0	0.0	4	0	0.0	5	5	100.0	16	16	100.0	217	211	97.2
Paw Paw Twp.	201	181	90.0	1	1	100.0	12	7	58.3	7	7	100.0	22	20	90.9	153	146	95.4
Pine Grove Twp.	107	101	94.4	1	0	0.0	1	1	100.0	4	4	100.0	9	7	77.8	90	89	98.9
Porter Twp.	69	63	91.3	0	0	0.0	1	1	100.0	2	2	100.0	4	4	100.0	62	56	90.3
South Haven	270	231	85.6	0	0	0.0	4	1	25.0	5	5	100.0	16	14	87.5	223	211	94.6
South Haven Twp.	185	177	95.7	1	1	100.0	2	1	50.0	3	3	100.0	16	15	93.8	159	157	98.7
Waverly Twp.	128	117	91.4	0	0	0.0	4	2	50.0	6	5	83.3	8	7	87.5	107	103	96.3
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Van Buren County TOTAL</b>	<b>3,063</b>	<b>2,785</b>	<b>90.9</b>	<b>10</b>	<b>7</b>	<b>70.0</b>	<b>62</b>	<b>39</b>	<b>62.9</b>	<b>115</b>	<b>102</b>	<b>88.7</b>	<b>271</b>	<b>247</b>	<b>91.1</b>	<b>2,496</b>	<b>2,390</b>	<b>95.8</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	1,147	2	186	959	2	239
February	898	1	127	770	1	160
March	703	3	131	569	3	179
April	610	2	126	482	3	168
May	677	3	134	540	3	180
June	726	2	168	556	2	220
July	654	2	157	495	2	209
August	691	7	161	523	8	239
September	797	1	163	633	1	212
October	894	4	168	722	4	214
November	981	2	136	843	2	170
December	937	4	170	763	4	220
<b>TOTAL</b>	<b>9,715</b>	<b>33</b>	<b>1,827</b>	<b>7,855</b>	<b>35</b>	<b>2,410</b>

In Washtenaw County in 2011 there were:  
9,715 crashes

Involving:

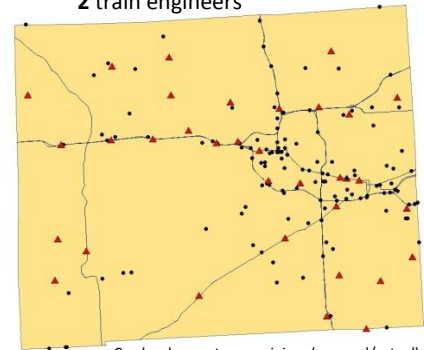
19,256 people

19,032 motor vehicle drivers and passengers

94 bicyclists

128 pedestrians

2 train engineers



Crashes by most severe injury (mapped/actual)

▲ Fatal (33/33)

● Incapacitating (A) (124/124)

## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	63,450	1,664	21	3.3	126.2
16 - 20	36,107	18,039	2,096	580.5	1161.9
21 - 64	210,283	194,676	12,645	601.3	649.5
65 +	34,951	32,736	1,193	341.3	364.4
Other/Unknown	--	--	1,139	--	--
<b>TOTAL</b>	<b>344,791</b>	<b>247,115</b>	<b>17,094</b>	<b>495.8</b>	<b>691.7</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	14,079	82.4	24	57.1	2,637	11,418
Van, motorhome	730	4.3	1	2.4	155	574
Pickup truck	1,315	7.7	8	19.0	251	1,056
Small truck under 10,000 lbs. GVWR	158	0.9	0	0.0	25	133
Cycle	105	0.6	3	7.1	86	16
Moped	17	0.1	0	0.0	15	2
Go 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	0.0	1	2.4	1	1
Other	93	0.5	0	0.0	13	80
Truck/bus over 10,000 lbs.	417	2.4	5	11.9	63	349
Unknown	177	1.0	0	0.0	14	163
<b>TOTAL</b>	<b>17,094</b>	<b>100.0</b>	<b>42</b>	<b>100.0</b>	<b>3,260</b>	<b>13,792</b>

## Washtenaw County Experience

Washtenaw County experienced the highest number of fatal crashes (7) and the highest number of persons killed (8) in August.

Washtenaw County driver statistics indicate 7.3 percent of licensed drivers were age 16-20, and 12.3 percent of drivers in that age group were involved in crashes.

In Washtenaw County, motorcycles accounted for only 0.6 percent of the total vehicles in crashes, but were involved in 7.1 percent of the total fatal crashes.



Crash Type								
	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	2,898	29.8	26	78.8	62	212	301	2,297
Head On	109	1.1	2	6.1	9	15	26	57
Head On - Left Turn	162	1.7	0	0.0	3	16	36	107
Angle	1,509	15.5	1	3.0	16	103	209	1,180
Rear End	3,061	31.5	0	0.0	17	105	448	2,491
Rear End - Left Turn	76	0.8	0	0.0	2	4	12	58
Rear End - Right Turn	74	0.8	0	0.0	0	3	7	64
Sideswipe - Same Direction	1,109	11.4	1	3.0	5	16	61	1,026
Sideswipe - Opposite Direct	175	1.8	1	3.0	1	11	15	147
Other/Unknown	542	5.6	2	6.1	9	50	53	428
<b>Total</b>	<b>9,715</b>	<b>100.0</b>	<b>33</b>	<b>100.0</b>	<b>124</b>	<b>535</b>	<b>1,168</b>	<b>7,855</b>

Relationship to Roadway								
Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	8,151	83.9	15	45.5	85	387	932	6,732
Median	80	0.8	1	3.0	2	6	18	53
Shoulder	501	5.2	5	15.2	6	54	70	366
Outside of Shoulder/Curb	781	8.0	12	36.4	23	74	115	557
Gore	48	0.5	0	0.0	0	6	8	34
Other/Unknown	154	1.6	0	0.0	8	8	25	113
<b>Total</b>	<b>9,715</b>	<b>100.0</b>	<b>33</b>	<b>100.0</b>	<b>124</b>	<b>535</b>	<b>1,168</b>	<b>7,855</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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	1	1	1	0	0	0	0	1
16 - 20	40	24	20	28	1	0	3	5	19
21 - 64	357	242	202	265	9	14	49	65	128
65 +	13	9	6	9	0	2	1	1	5
Other/Unknown	56	1	0	5	0	0	0	0	5
<b>TOTAL</b>	<b>467</b>	<b>277</b>	<b>229</b>	<b>308</b>	<b>10</b>	<b>16</b>	<b>53</b>	<b>71</b>	<b>158</b>

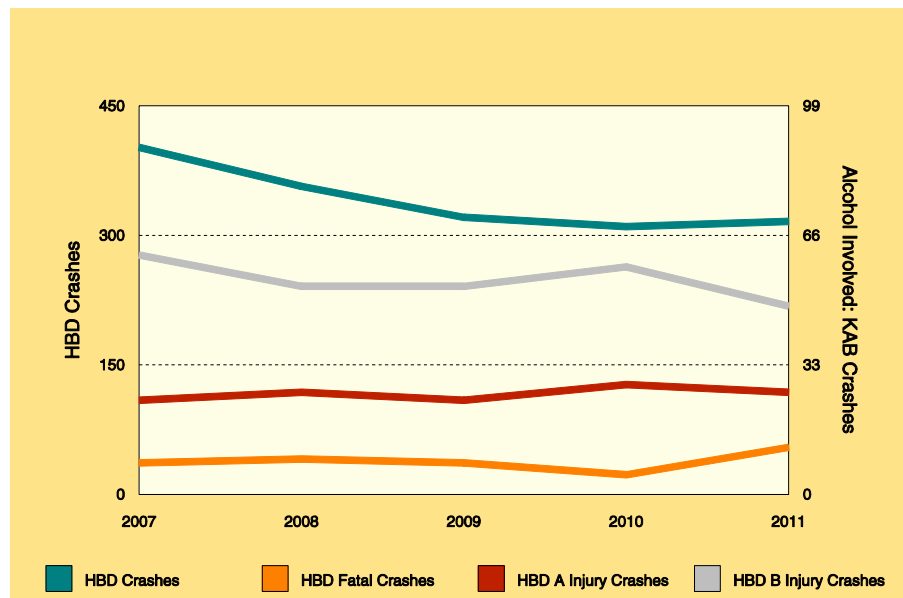
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

WASHTENAW	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	10,787	402	3.7	29	8	27.6	140	24	17.1	520	61	11.7
2008	10,317	357	3.5	29	9	31.0	129	26	20.2	480	53	11.0
2009	9,755	321	3.3	25	8	32.0	137	24	17.5	435	53	12.2
2010	9,935	310	3.1	20	5	25.0	142	28	19.7	499	58	11.6
2011	9,715*	316	3.3	33**	12**	36.4	124*	26	21.0	535**	48*	9.0

\* Lowest number reported in the 5-year period. \*\* Highest number reported in the 5-year period.

**Restraint use among reported vehicle occupants by vehicle type**

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	14,474	13,440	92.9	18	11	61.1	89	72	80.9	424	398	93.9	1,323	1,271	96.1	11,850	11,673	98.5
Van, motorhome	765	708	92.5	1	0	0.0	3	3	100.0	14	13	92.9	88	83	94.3	618	606	98.1
Pickup truck	1,338	1,217	91.0	6	1	16.7	12	10	83.3	43	33	76.7	77	75	97.4	1,113	1,097	98.6
Small truck under 10,000 lbs. GVWR	160	152	95.0	0	0	0.0	1	0	0.0	6	4	66.7	11	11	100.0	138	137	99.3
Cycle	112	108	96.4	3	3	100.0	15	14	93.3	52	50	96.2	22	22	100.0	18	18	100.0
Moped	18	11	61.1	0	0	0.0	3	3	100.0	10	6	60.0	3	1	33.3	1	1	100.0
Go 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)	4	2	50.0	1	0	0.0	1	1	100.0	1	0	0.0	0	0	0.0	1	1	100.0
Other	94	67	71.3	0	0	0.0	0	0	0.0	1	0	0.0	5	4	80.0	70	63	90.0
Truck/bus over 10,000 lbs.	419	374	89.3	1	0	0.0	0	0	0.0	6	5	83.3	11	10	90.9	365	359	98.4
Uncoded & errors	178	4	2.2	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0	7	3	42.9
<b>TOTAL</b>	<b>17,562</b>	<b>16,083</b>	<b>91.6</b>	<b>30</b>	<b>15</b>	<b>50.0</b>	<b>124</b>	<b>103</b>	<b>83.1</b>	<b>557</b>	<b>509</b>	<b>91.4</b>	<b>1,541</b>	<b>1,477</b>	<b>95.8</b>	<b>14,181</b>	<b>13,958</b>	<b>98.4</b>

**Restraint use among reported vehicle occupants by age**

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	148	132	89.2	1	0	0.0	6	4	66.7	19	15	78.9	106	98	92.5	15	15	100.0
16 - 20	2,171	2,113	97.3	3	2	66.7	19	12	63.2	83	75	90.4	179	168	93.9	1,879	1,851	98.5
21 - 64	12,865	12,608	98.0	18	8	44.4	91	80	87.9	407	371	91.2	1,119	1,081	96.6	11,214	11,058	98.6
65 +	1,235	1,219	98.7	8	5	62.5	8	7	87.5	47	47	100.0	134	130	97.0	1,036	1,028	99.2
Other/Unknown	1,143	11	1.0	0	0	0.0	0	0	0.0	1	1	100.0	3	0	0.0	37	6	16.2
<b>TOTAL</b>	<b>17,562</b>	<b>16,083</b>	<b>91.6</b>	<b>30</b>	<b>15</b>	<b>50.0</b>	<b>124</b>	<b>103</b>	<b>83.1</b>	<b>557</b>	<b>509</b>	<b>91.4</b>	<b>1,541</b>	<b>1,477</b>	<b>95.8</b>	<b>14,181</b>	<b>13,958</b>	<b>98.4</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Ann Arbor	182	85	77	109	3	8	18	23	57
Ann Arbor Twp.	10	10	8	9	0	0	1	1	7
Augusta Twp.	6	5	4	5	0	0	0	2	3
Barton Hills	0	0	0	0	0	0	0	0	0
Bridgewater Twp	1	1	1	1	0	0	1	0	0
Chelsea	7	6	4	4	0	0	1	1	2
Dexter	0	0	0	0	0	0	0	0	0
Dexter Twp	5	6	4	5	0	0	1	2	2
Freedom Twp.	2	0	0	1	0	0	0	0	1
Lima Twp.	4	6	3	4	0	1	1	0	2
Lodi Twp.	3	4	3	3	0	0	0	2	1
Lyndon Twp	1	2	1	1	0	0	0	1	0
Manchester	0	0	0	0	0	0	0	0	0
Manchester Twp.	2	1	1	1	0	0	0	1	0
Milan	1	1	1	1	0	0	0	1	0
Northfield Twp.	13	11	11	12	1	0	4	2	5
Pittsfield Twp.	48	26	19	28	1	2	5	8	12
Salem Twp.	8	7	7	7	0	0	1	3	3
Saline	6	4	3	4	0	0	0	2	2
Saline Twp.	2	1	1	2	0	0	0	0	2
Scio Twp.	21	16	13	19	0	1	3	3	12
Sharon Twp.	2	3	1	2	0	0	0	0	2
Superior Twp	17	10	10	14	1	0	3	1	9
Sylvan Twp.	10	8	7	9	0	0	4	1	4
Webster Twp.	3	3	2	3	0	0	1	0	2
York Twp.	8	7	5	7	0	1	0	2	4
Ypsilanti	48	29	25	25	1	2	7	10	5
Ypsilanti Twp.	57	25	18	32	3	1	2	5	21
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Washtenaw County TOTAL</b>	<b>467</b>	<b>277</b>	<b>229</b>	<b>308</b>	<b>10</b>	<b>16</b>	<b>53</b>	<b>71</b>	<b>158</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Ann Arbor	3,175	3	4	714	111	2	3	37	245	1	1	44
Ann Arbor Twp.	503	2	2	109	9	1	1	5	100	2	2	25
Augusta Twp.	83	2	2	25	5	1	1	4	13	1	1	7
Barton Hills	7	0	0	2	0	0	0	0	2	0	0	0
Bridgewater Twp.	78	0	0	23	1	0	0	0	13	0	0	9
Chelsea	146	0	0	34	4	0	0	2	6	0	0	1
Dexter	55	0	0	18	0	0	0	0	3	0	0	1
Dexter Twp.	120	2	2	33	5	1	1	4	27	0	0	8
Freedom Twp.	35	0	0	5	1	0	0	0	6	0	0	3
Lima Twp.	104	2	2	34	4	0	0	1	17	0	0	12
Lodi Twp.	107	0	0	31	3	0	0	1	16	0	0	7
Lyndon Twp.	71	1	1	16	1	0	0	1	16	0	0	5
Manchester	25	0	0	0	0	0	0	0	2	0	0	0
Manchester Twp.	61	1	1	6	1	1	1	0	12	0	0	4
Milan	44	1	1	9	1	0	0	0	3	0	0	1
Northfield Twp.	316	0	0	70	12	0	0	6	82	0	0	22
Pittsfield Twp.	1,131	2	2	292	29	0	0	20	137	0	0	34
Salem Twp.	134	1	1	53	7	1	1	8	26	1	1	14
Saline	179	0	0	37	4	0	0	3	2	0	0	0
Saline Twp.	50	1	1	14	2	0	0	2	7	0	0	4
Scio Twp.	516	4	4	114	19	1	1	14	89	2	2	28
Sharon Twp.	63	2	2	15	2	0	0	1	13	2	1	3
Superior Twp.	298	2	3	80	13	1	1	9	48	1	1	11
Sylvan Twp.	182	1	1	52	9	1	1	4	36	0	0	17
Webster Twp.	115	1	1	24	3	0	0	3	16	0	0	1
York Twp.	223	1	1	65	7	0	0	4	36	0	0	9
Ypsilanti	780	2	2	193	29	1	1	15	56	0	0	13
Ypsilanti Twp.	1,114	2	2	342	34	1	1	30	144	0	0	33
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Washtenaw County TOTAL</b>	<b>9,715</b>	<b>33</b>	<b>35</b>	<b>2,410</b>	<b>316</b>	<b>12</b>	<b>13</b>	<b>174</b>	<b>1,173</b>	<b>10</b>	<b>9</b>	<b>316</b>

Restraint use among reported vehicle occupants by municipality

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Ann Arbor	6,238	5,704	91.4	4	1	25.0	25	21	84.0	152	141	92.8	423	411	97.2	5,203	5,122	98.4
Ann Arbor Twp.	880	842	95.7	2	0	0.0	6	6	100.0	29	28	96.6	70	68	97.1	746	736	98.7
Augusta Twp.	124	114	91.9	2	0	0.0	1	1	100.0	8	7	87.5	16	15	93.8	94	91	96.8
Barton Hills	10	10	100.0	0	0	0.0	1	1	100.0	1	1	100.0	0	0	0.0	8	8	100.0
Bridgewater Twp.	98	95	96.9	0	0	0.0	6	6	100.0	4	4	100.0	13	13	100.0	73	72	98.6
Chelsea	278	249	89.6	0	0	0.0	0	0	0.0	8	8	100.0	23	23	100.0	222	218	98.2
Dexter	103	91	88.3	0	0	0.0	0	0	0.0	5	3	60.0	11	9	81.8	79	79	100.0
Dexter Twp.	156	148	94.9	2	1	50.0	4	3	75.0	8	7	87.5	21	21	100.0	117	116	99.1
Freedom Twp.	39	37	94.9	0	0	0.0	0	0	0.0	1	1	100.0	3	2	66.7	34	34	100.0
Lima Twp.	160	150	93.8	2	1	50.0	6	6	100.0	3	1	33.3	25	24	96.0	119	117	98.3
Lodi Twp.	158	152	96.2	0	0	0.0	4	3	75.0	4	3	75.0	22	22	100.0	124	124	100.0
Lyndon Twp.	83	81	97.6	1	0	0.0	0	0	0.0	7	7	100.0	9	8	88.9	66	66	100.0
Manchester	41	32	78.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	33	32	97.0
Manchester Twp.	66	64	97.0	1	0	0.0	1	1	100.0	2	1	50.0	3	3	100.0	59	59	100.0
Milan	82	57	69.5	1	0	0.0	0	0	0.0	1	1	100.0	6	6	100.0	51	50	98.0
Northfield Twp.	517	487	94.2	0	0	0.0	4	3	75.0	18	15	83.3	48	45	93.8	429	424	98.8
Pittsfield Twp.	2,168	2,022	93.3	1	1	100.0	14	10	71.4	56	55	98.2	210	200	95.2	1,788	1,753	98.0
Salem Twp.	218	197	90.4	1	0	0.0	2	0	0.0	21	17	81.0	29	26	89.7	158	154	97.5
Saline	351	331	94.3	0	0	0.0	3	3	100.0	10	9	90.0	21	21	100.0	299	298	99.7
Saline Twp.	62	59	95.2	1	1	100.0	0	0	0.0	3	3	100.0	11	9	81.8	47	46	97.9
Scio Twp.	790	749	94.8	3	3	100.0	6	4	66.7	30	26	86.7	76	73	96.1	648	643	99.2
Sharon Twp.	80	74	92.5	2	2	100.0	0	0	0.0	5	3	60.0	10	10	100.0	61	59	96.7
Superior Twp.	484	450	93.0	3	3	100.0	8	7	87.5	24	24	100.0	48	47	97.9	375	369	98.4
Sylvan Twp.	256	238	93.0	1	0	0.0	2	0	0.0	17	15	88.2	33	30	90.9	197	193	98.0
Webster Twp.	150	149	99.3	1	1	100.0	0	0	0.0	12	12	100.0	12	12	100.0	124	124	100.0
York Twp.	330	316	95.8	0	0	0.0	6	5	83.3	14	14	100.0	44	44	100.0	256	252	98.4
Ypsilanti	1,544	1,361	88.1	1	0	0.0	2	2	100.0	29	26	89.7	140	138	98.6	1,215	1,193	98.2
Ypsilanti Twp.	2,096	1,824	87.0	1	1	100.0	23	21	91.3	85	77	90.6	214	197	92.1	1,556	1,526	98.1
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Washtenaw County TOTAL</b>	<b>17,562</b>	<b>16,083</b>	<b>91.6</b>	<b>30</b>	<b>15</b>	<b>50.0</b>	<b>124</b>	<b>103</b>	<b>83.1</b>	<b>557</b>	<b>509</b>	<b>91.4</b>	<b>1,541</b>	<b>1,477</b>	<b>95.8</b>	<b>14,181</b>	<b>13,958</b>	<b>98.4</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	4,201	9	764	3,428	9	1,029
February	4,674	4	843	3,827	6	1,187
March	3,587	12	725	2,850	13	989
April	3,428	7	736	2,685	7	1,025
May	3,717	8	867	2,842	8	1,186
June	3,732	11	895	2,826	11	1,256
July	3,584	12	844	2,728	12	1,183
August	3,366	11	832	2,523	13	1,144
September	3,855	14	855	2,986	14	1,154
October	3,871	9	873	2,989	10	1,251
November	3,797	11	832	2,954	11	1,152
December	3,737	15	831	2,891	16	1,135
<b>TOTAL</b>	<b>45,549</b>	<b>123</b>	<b>9,897</b>	<b>35,529</b>	<b>130</b>	<b>13,691</b>

In Wayne County in 2011 there were:  
45,549 crashes

Involving:

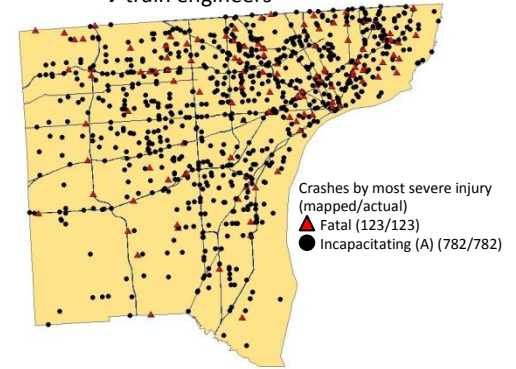
101,057 people

99,934 motor vehicle drivers and passengers

351 bicyclists

765 pedestrians

7 train engineers



## Driver Statistics

Age Group	2010*			Drivers in Crashes	
	Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	402,013	5,324	132	3.3	247.9
16 - 20	143,627	74,710	8,695	605.4	1163.8
21 - 64	1,044,241	842,923	56,708	543.1	672.8
65 +	230,703	178,970	6,232	270.1	348.2
Other/Unknown	--	--	15,563	--	--
<b>TOTAL</b>	<b>1,820,584</b>	<b>1,101,927</b>	<b>87,330</b>	<b>479.7</b>	<b>792.5</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	68,402	78.3	137	72.9	14,785	53,480
Van, motorhome	4,140	4.7	8	4.3	1,000	3,132
Pickup truck	6,328	7.2	8	4.3	1,293	5,027
Small truck under 10,000 lbs. GVWR	1,656	1.9	1	0.5	424	1,231
Cycle	430	0.5	18	9.6	305	107
Moped	30	0.0	0	0.0	23	7
Go Cart	1	0.0	0	0.0	0	1
Snowmobile	2	0.0	0	0.0	1	1
Off-Road Vehicle (ORV) / All-Terrain Vehicle (ATV)	5	0.0	0	0.0	1	4
Other	438	0.5	0	0.0	67	371
Truck/bus over 10,000 lbs.	2,487	2.8	11	5.9	456	2,020
Unknown	3,411	3.9	5	2.7	379	3,027
<b>TOTAL</b>	<b>87,330</b>	<b>100.0</b>	<b>188</b>	<b>100.0</b>	<b>18,734</b>	<b>68,408</b>

## Wayne County Experience

Wayne County experienced the highest number of fatal crashes (15) and the highest number of persons killed (16) in December.

Wayne County driver statistics indicate 6.8 percent of licensed drivers were age 16-20, and 10.0 percent of drivers in that age group were involved in crashes.

In Wayne County, motorcycles accounted for only 0.5 percent of the total vehicles in crashes, but were involved in 9.6 percent of the total fatal crashes.



## Crash Type

	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	6,537	14.4	70	56.9	274	617	1,220	4,356
Head On	847	1.9	7	5.7	40	92	131	577
Head On - Left Turn	1,119	2.5	4	3.3	31	122	275	687
Angle	9,526	20.9	14	11.4	183	602	1,672	7,055
Rear End	13,870	30.5	6	4.9	120	473	2,325	10,946
Rear End - Left Turn	437	1.0	0	0.0	5	15	65	352
Rear End - Right Turn	365	0.8	0	0.0	1	13	43	308
Sideswipe - Same Direction	7,485	16.4	7	5.7	34	126	570	6,748
Sideswipe - Opposite Direct	1,395	3.1	1	0.8	11	35	102	1,246
Other/Unknown	3,968	8.7	14	11.4	83	209	408	3,254
<b>Total</b>	<b>45,549</b>	<b>100.0</b>	<b>123</b>	<b>100.0</b>	<b>782</b>	<b>2,304</b>	<b>6,811</b>	<b>35,529</b>

## Relationship to Roadway

Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	40,451	88.8	103	83.7	640	1,964	5,979	31,765
Median	513	1.1	1	0.8	6	32	101	373
Shoulder	1,445	3.2	5	4.1	32	90	270	1,048
Outside of Shoulder/Curb	1,767	3.9	13	10.6	67	146	277	1,264
Gore	122	0.3	0	0.0	2	9	12	99
Other/Unknown	1,251	2.7	1	0.8	35	63	172	980
<b>Total</b>	<b>45,549</b>	<b>100.0</b>	<b>123</b>	<b>100.0</b>	<b>782</b>	<b>2,304</b>	<b>6,811</b>	<b>35,529</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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	3	0	0	2	0	0	0	0	2
16 - 20	171	108	86	113	3	8	31	15	56
21 - 64	1,770	1,216	937	1,189	18	48	190	307	626
65 +	85	49	31	40	0	0	10	4	26
Other/Unknown	340	11	1	18	0	0	0	0	18
<b>TOTAL</b>	<b>2,369</b>	<b>1,384</b>	<b>1,055</b>	<b>1,362</b>	<b>21</b>	<b>56</b>	<b>231</b>	<b>326</b>	<b>728</b>

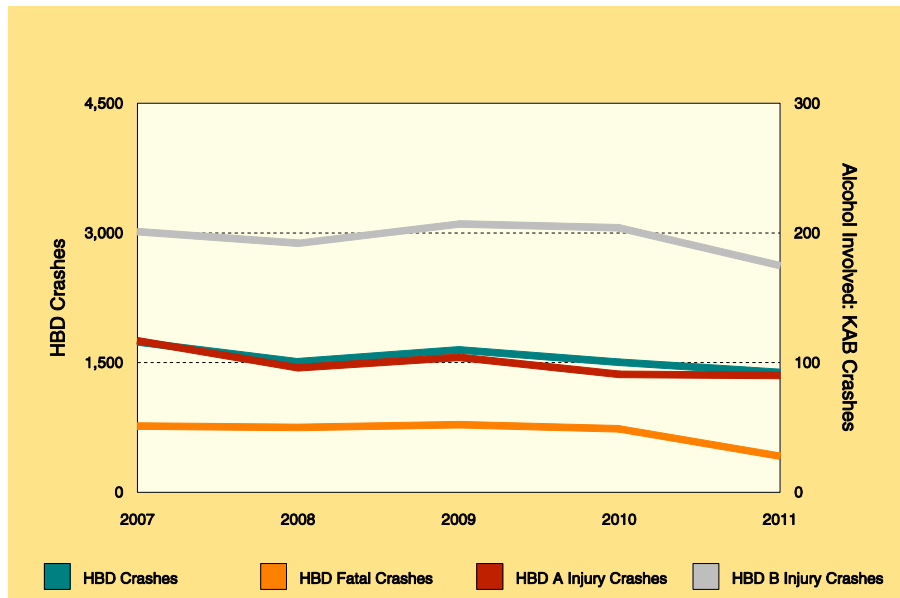
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

WAYNE	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	53,873	1,738	3.2	170	51	30.0	1,015	117	11.5	2,428	201	8.3
2008	49,587	1,510	3.1	150	50	33.3	896	96	10.7	2,188	192	8.8
2009	45,691	1,648	3.6	149	52	34.9	939	104	11.1	2,178	207	9.5
2010	45,221	1,504	3.3	143	49	34.3	829	91	11.0	2,371	204	8.6
2011	45,549	1,387*	3.0	123*	28*	22.8	782*	90*	11.5	2,304	175*	7.6

\* Lowest number reported in the 5-year period.

### Restraint use among reported vehicle occupants by vehicle type

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	71,321	55,072	77.2	56	18	32.1	629	415	66.0	2,080	1,672	80.4	8,005	7,066	88.3	51,432	45,565	88.6
Van, motorhome	4,356	3,258	74.8	3	1	33.3	29	16	55.2	120	96	80.0	483	419	86.7	3,100	2,699	87.1
Pickup truck	6,459	4,902	75.9	6	5	83.3	37	26	70.3	152	119	78.3	427	387	90.6	4,872	4,348	89.2
Small truck under 10,000 lbs. GVWR	1,723	1,251	72.6	1	0	0.0	23	19	82.6	46	41	89.1	203	182	89.7	1,164	991	85.1
Cycle	454	359	79.1	17	12	70.6	70	59	84.3	146	122	83.6	104	88	84.6	96	77	80.2
Moped	30	11	36.7	0	0	0.0	4	1	25.0	11	4	36.4	8	5	62.5	5	1	20.0
Go Cart	1	1	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0
Snowmobile	2	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	2	0	0.0
Off-Road Vehicle (ORV) /All-Terrain Vehicle (ATV)	5	2	40.0	0	0	0.0	0	0	0.0	1	0	0.0	0	0	0.0	4	2	50.0
Other	447	233	52.1	0	0	0.0	5	0	0.0	4	1	25.0	26	21	80.8	281	207	73.7
Truck/bus over 10,000 lbs.	2,598	2,070	79.7	2	0	0.0	4	0	0.0	36	13	36.1	152	62	40.8	2,225	1,984	89.2
Uncoded & errors	3,418	143	4.2	0	0	0.0	2	0	0.0	7	4	57.1	14	9	64.3	258	97	37.6
<b>TOTAL</b>	<b>90,814</b>	<b>67,302</b>	<b>74.1</b>	<b>85</b>	<b>36</b>	<b>42.4</b>	<b>803</b>	<b>536</b>	<b>66.7</b>	<b>2,603</b>	<b>2,072</b>	<b>79.6</b>	<b>9,422</b>	<b>8,239</b>	<b>87.4</b>	<b>63,440</b>	<b>55,972</b>	<b>88.2</b>

### Restraint use among reported vehicle occupants by age

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	932	704	75.5	1	1	100.0	50	23	46.0	156	106	67.9	611	497	81.3	106	76	71.7
16 - 20	9,329	8,361	89.6	13	4	30.8	115	64	55.7	398	298	74.9	1,180	976	82.7	7,519	6,977	92.8
21 - 64	58,448	51,940	88.9	61	26	42.6	557	385	69.1	1,802	1,466	81.4	6,818	6,056	88.8	48,421	43,739	90.3
65 +	6,472	5,822	90.0	10	5	50.0	74	62	83.8	225	199	88.4	743	676	91.0	5,340	4,857	91.0
Other/Unknown	15,633	475	3.0	0	0	0.0	7	2	28.6	22	3	13.6	70	34	48.6	2,054	323	15.7
<b>TOTAL</b>	<b>90,814</b>	<b>67,302</b>	<b>74.1</b>	<b>85</b>	<b>36</b>	<b>42.4</b>	<b>803</b>	<b>536</b>	<b>66.7</b>	<b>2,603</b>	<b>2,072</b>	<b>79.6</b>	<b>9,422</b>	<b>8,239</b>	<b>87.4</b>	<b>63,440</b>	<b>55,972</b>	<b>88.2</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers  
in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol- involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Allen Park	46	28	23	25	0	3	4	12	6
Belleville	10	5	5	6	1	0	1	2	2
Brownstown Twp.	44	33	25	27	0	1	5	3	18
Canton Twp.	71	42	35	40	0	1	18	11	10
Dearborn	127	70	63	72	1	2	17	24	28
Dearborn Heights	69	38	32	38	2	3	11	9	13
Detroit	852	423	308	486	1	10	40	78	357
Ecorse	15	6	5	7	0	0	0	0	7
Flat Rock	3	11	3	3	0	0	1	1	1
Garden City	57	30	27	29	1	3	9	10	6
Gibraltar	9	7	6	7	0	0	3	2	2
Grosse Ile Twp.	3	2	2	2	0	1	0	1	0
Grosse Pointe	12	5	4	5	0	0	0	1	4
Grosse Pointe Farms	12	6	6	8	0	1	2	2	3
Grosse Pointe Park	13	7	6	7	0	0	1	5	1
Grosse Pointe Shores	1	1	1	1	0	0	0	0	1
Grosse Pointe Twp.	0	0	0	0	0	0	0	0	0
Grosse Pointe Woods	13	5	5	8	0	0	2	1	5
Hamtramck	25	11	11	13	0	1	1	4	7
Harper Woods	27	14	14	15	0	1	2	4	8
Highland Park	10	5	2	7	0	0	1	0	6
Huron Twp.	26	27	20	20	2	2	3	5	8
Inkster	17	30	11	12	0	0	1	0	11
Lincoln Park	60	48	32	36	0	1	1	0	34
Livonia	131	88	63	79	2	7	16	27	27
Melvindale	5	4	2	3	0	0	1	1	1
Northville	2	1	1	2	0	1	0	0	1
Northville Twp.	25	17	12	14	1	1	3	3	6
Plymouth	19	13	12	12	1	1	5	5	0
Plymouth Twp.	52	33	25	30	0	3	3	15	9
Redford Twp.	43	31	24	25	0	2	6	6	11
River Rouge	23	14	11	13	0	1	0	0	12
Riverview	7	5	4	4	0	0	3	1	0
Rockwood	5	2	2	2	0	0	1	1	0
Romulus	36	29	22	22	2	1	5	8	6
Southgate	65	41	35	39	3	2	7	12	15
Sumpter Twp.	12	10	7	10	0	1	2	4	3
Taylor	132	74	58	73	1	2	9	29	32
Trenton	13	14	9	9	0	0	1	1	7
Van Buren Twp.	47	36	28	34	1	1	8	10	14
Wayne	37	22	19	21	0	0	7	6	8
Westland	113	51	43	56	0	2	20	12	22
Wood Haven	29	18	11	15	0	0	3	4	8
Wyandotte	51	27	21	25	2	1	8	6	8
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Wayne County TOTAL</b>	<b>2,369</b>	<b>1,384</b>	<b>1,055</b>	<b>1,362</b>	<b>21</b>	<b>56</b>	<b>231</b>	<b>326</b>	<b>728</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Allen Park	605	0	0	104	25	0	0	10	108	0	0	13
Belleville	80	0	0	28	6	0	0	6	1	0	0	0
Brownstown Twp.	634	0	0	216	27	0	0	13	53	0	0	11
Canton Twp.	1,835	2	2	466	41	1	1	27	99	0	0	22
Dearborn	3,067	2	2	779	73	1	1	27	119	0	0	30
Dearborn Heights	1,140	0	0	283	40	0	0	18	15	0	0	2
Detroit	19,873	74	80	6,775	487	11	12	338	2,321	14	10	692
Ecorse	98	0	0	20	7	0	0	4	3	0	0	0
Flat Rock	179	0	0	33	3	0	0	0	15	0	0	5
Garden City	550	0	0	123	30	0	0	11	14	0	0	2
Gibraltar	77	1	1	25	8	1	1	3	9	0	0	6
Grosse Ile Twp.	82	0	0	11	2	0	0	1	1	0	0	0
Grosse Pointe	75	0	0	11	5	0	0	4	1	0	0	0
Grosse Pointe Farms	145	0	0	28	8	0	0	3	5	0	0	2
Grosse Pointe Park	87	1	1	12	7	0	0	2	3	0	0	0
Grosse Pointe Shores	20	0	0	1	1	0	0	0	2	0	0	0
Grosse Pointe Twp.	0	0	0	0	0	0	0	0	0	0	0	0
Grosse Pointe Woods	242	0	0	43	8	0	0	2	2	0	0	0
Hamtramck	431	0	0	106	13	0	0	8	38	0	0	8
Harper Woods	312	1	1	85	15	0	0	9	14	0	0	4
Highland Park	274	0	0	133	7	0	0	3	29	0	0	13
Huron Twp.	238	2	2	71	20	1	1	4	30	0	0	6
Inkster	339	1	1	115	13	0	0	18	15	1	1	11
Lincoln Park	916	3	3	255	37	0	0	12	45	0	0	15
Livonia	3,178	9	9	864	80	1	1	25	229	1	1	36
Melvindale	212	0	0	58	3	0	0	4	8	0	0	0
Northville	87	1	1	13	2	1	1	0	2	0	0	0
Northville Twp.	383	3	3	94	16	1	1	9	19	0	0	4
Plymouth	228	0	0	48	12	0	0	4	6	0	0	0
Plymouth Twp.	984	3	3	267	31	2	2	16	145	0	0	27
Redford Twp.	1,102	3	4	257	25	0	0	18	77	1	2	12
River Rouge	71	1	1	34	13	1	1	11	0	0	0	0
Riverview	106	0	0	14	4	0	0	0	3	0	0	0
Rockwood	61	0	0	13	2	0	0	2	9	0	0	2
Romulus	868	3	3	208	24	2	2	12	122	0	0	14
Southgate	852	3	3	211	40	1	1	16	55	0	0	12
Sumpter Twp.	90	0	0	33	10	0	0	4	19	0	0	6
Taylor	2,041	4	4	685	75	1	1	54	107	0	0	30
Trenton	357	0	0	92	9	0	0	5	23	0	0	6
Van Buren Twp.	704	2	2	184	33	1	1	15	118	0	0	21
Wayne	434	0	0	151	22	0	0	20	20	0	0	5
Westland	1,614	3	3	536	61	2	2	20	35	0	0	3
Wood Haven	412	1	1	111	17	0	0	11	21	0	0	5
Wyandotte	466	0	0	95	25	0	0	4	9	0	0	0
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Wayne County TOTAL</b>	<b>45,549</b>	<b>123</b>	<b>130</b>	<b>13,691</b>	<b>1,387</b>	<b>28</b>	<b>29</b>	<b>773</b>	<b>3,969</b>	<b>17</b>	<b>14</b>	<b>1,025</b>

## Restraint use among reported vehicle occupants by municipality

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Allen Park	1,136	931	82.0	0	0	0.0	14	10	71.4	21	20	95.2	64	61	95.3	894	840	94.0
Belleville	162	96	59.3	0	0	0.0	1	1	100.0	6	3	50.0	19	15	78.9	123	77	62.6
Brownstown Twp.	1,234	1,116	90.4	0	0	0.0	20	15	75.0	40	36	90.0	152	134	88.2	958	929	97.0
Canton Twp.	3,699	3,434	92.8	0	0	0.0	14	8	57.1	100	94	94.0	332	327	98.5	3,029	3,004	99.2
Dearborn	6,284	5,188	82.6	2	1	50.0	35	27	77.1	195	169	86.7	512	482	94.1	4,733	4,498	95.0
Dearborn Heights	2,350	1,785	76.0	0	0	0.0	15	10	66.7	48	42	87.5	208	193	92.8	1,620	1,539	95.0
Detroit	39,603	24,588	62.1	53	20	37.7	370	205	55.4	1,059	711	67.1	4,889	3,986	81.5	24,605	19,280	78.4
Ecorse	192	100	52.1	0	0	0.0	0	0	0.0	2	0	0.0	17	14	82.4	111	82	73.9
Flat Rock	321	262	81.6	0	0	0.0	0	0	0.0	5	3	60.0	24	21	87.5	261	238	91.2
Garden City	1,125	902	80.2	0	0	0.0	10	10	100.0	25	23	92.0	79	75	94.9	806	793	98.4
Gibraltar	131	103	78.6	0	0	0.0	4	3	75.0	2	2	100.0	19	15	78.9	94	83	88.3
Grosse Ile Twp.	139	119	85.6	0	0	0.0	0	0	0.0	1	1	100.0	9	8	88.9	115	110	95.7
Grosse Pointe	160	121	75.6	0	0	0.0	2	1	50.0	3	3	100.0	5	5	100.0	116	112	96.6
Grosse Pointe Farms	276	195	70.7	0	0	0.0	5	5	100.0	3	3	100.0	16	12	75.0	201	175	87.1
Grosse Pointe Park	166	121	72.9	1	0	0.0	1	1	100.0	1	1	100.0	5	5	100.0	125	114	91.2
Grosse Pointe Shores	36	32	88.9	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	32	32	100.0
Grosse Pointe Twp.	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
Grosse Pointe Woods	489	373	76.3	0	0	0.0	1	1	100.0	11	10	90.9	25	24	96.0	353	338	95.8
Hamtramck	845	492	58.2	0	0	0.0	10	6	60.0	20	15	75.0	55	43	78.2	510	427	83.7
Harper Woods	618	489	79.1	1	0	0.0	7	4	57.1	31	26	83.9	37	35	94.6	454	424	93.4
Highland Park	531	356	67.0	0	0	0.0	6	4	66.7	15	15	100.0	97	84	86.6	314	249	79.3
Huron Twp.	400	324	81.0	2	1	50.0	10	7	70.0	24	18	75.0	35	32	91.4	321	266	82.9
Inkster	662	444	67.1	1	0	0.0	10	4	40.0	29	21	72.4	62	55	88.7	423	359	84.9
Lincoln Park	1,776	1,373	77.3	1	0	0.0	8	6	75.0	34	28	82.4	181	172	95.0	1,205	1,155	95.9
Livonia	6,462	5,819	90.0	7	5	71.4	56	48	85.7	209	197	94.3	567	557	98.2	5,101	5,003	98.1
Melvindale	421	342	81.2	0	0	0.0	8	6	75.0	15	11	73.3	31	30	96.8	324	294	90.7
Northville	159	139	87.4	0	0	0.0	0	0	0.0	3	2	66.7	7	7	100.0	131	130	99.2
Northville Twp.	763	723	94.8	1	1	100.0	4	3	75.0	16	15	93.8	71	70	98.6	636	634	99.7
Plymouth	443	371	83.7	0	0	0.0	1	1	100.0	15	14	93.3	26	23	88.5	358	333	93.0
Plymouth Twp.	1,918	1,798	93.7	3	1	33.3	13	10	76.9	54	49	90.7	190	186	97.9	1,567	1,550	98.9
Redford Twp.	2,211	1,640	74.2	3	1	33.3	16	14	87.5	72	61	84.7	143	130	90.9	1,740	1,433	82.4
River Rouge	141	96	68.1	1	0	0.0	4	1	25.0	8	5	62.5	19	15	78.9	86	75	87.2
Riverview	206	149	72.3	0	0	0.0	1	1	100.0	2	2	100.0	11	9	81.8	150	137	91.3
Rockwood	112	89	79.5	0	0	0.0	1	1	100.0	4	3	75.0	8	7	87.5	84	78	92.9
Romulus	1,567	1,374	87.7	2	1	50.0	14	13	92.9	48	43	89.6	139	123	88.5	1,265	1,194	94.4
Southgate	1,726	1,388	80.4	3	1	33.3	14	8	57.1	61	50	82.0	124	116	93.5	1,357	1,210	89.2
Sumpter Twp.	135	125	92.6	0	0	0.0	6	3	50.0	16	13	81.3	10	10	100.0	101	99	98.0
Taylor	4,187	3,575	85.4	2	2	100.0	48	43	89.6	140	123	87.9	470	442	94.0	3,142	2,964	94.3
Trenton	704	534	75.9	0	0	0.0	3	2	66.7	18	15	83.3	68	59	86.8	514	457	88.9
Van Buren Twp.	1,280	1,168	91.3	1	1	100.0	8	5	62.5	48	42	87.5	127	119	93.7	1,025	1,000	97.6
Wayne	883	706	80.0	0	0	0.0	7	5	71.4	35	32	91.4	102	90	88.2	598	579	96.8
Westland	3,379	2,970	87.9	0	0	0.0	39	33	84.6	136	126	92.6	327	315	96.3	2,551	2,496	97.8
Wood Haven	837	748	89.4	1	1	100.0	13	8	61.5	19	18	94.7	73	72	98.6	669	649	97.0
Wyandotte	945	604	63.9	0	0	0.0	4	3	75.0	9	7	77.8	67	61	91.0	638	533	83.5
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Wayne County TOTAL</b>	<b>90,814</b>	<b>67,302</b>	<b>74.1</b>	<b>85</b>	<b>36</b>	<b>42.4</b>	<b>803</b>	<b>536</b>	<b>66.7</b>	<b>2,603</b>	<b>2,072</b>	<b>79.6</b>	<b>9,422</b>	<b>8,239</b>	<b>87.4</b>	<b>63,440</b>	<b>55,972</b>	<b>88.2</b>

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## Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	126	0	12	114	0	13
February	108	1	14	93	1	19
March	89	1	8	80	1	14
April	82	1	13	68	1	17
May	63	1	15	47	1	21
June	107	1	12	94	1	18
July	84	0	17	67	0	19
August	70	0	9	61	0	13
September	89	0	14	75	0	24
October	108	0	9	99	0	14
November	150	0	22	128	0	31
December	119	2	13	104	3	20
<b>TOTAL</b>	<b>1,195</b>	<b>7</b>	<b>158</b>	<b>1,030</b>	<b>8</b>	<b>223</b>

In Wexford County in 2011 there were:

1,195 crashes

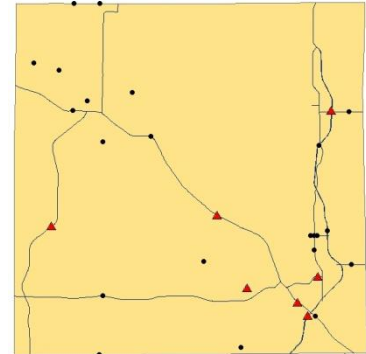
Involving:

1,935 people

1,922 motor vehicle drivers and passengers

8 bicyclists

5 pedestrians



Crashes by most severe injury (mapped/actual)

▲ Fatal (7/7)

● Incapacitating (A) (21/21)

## Driver Statistics

Age Group				Drivers in Crashes	
	2010* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	7,042	153	3	4.3	196.1
16 - 20	2,036	1,550	163	800.6	1051.6
21 - 64	18,458	17,475	1,180	639.3	675.3
65 +	5,199	4,742	182	350.1	383.8
Other/Unknown	--	--	80	--	--
<b>TOTAL</b>	<b>32,735</b>	<b>23,920</b>	<b>1,608</b>	<b>491.2</b>	<b>672.2</b>

\*2011 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

## Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crash		Injury Crash	PDO Crash
	Number of Vehicles	% of Total	Number	% of Total		
Passenger car & station wagon	1,156	71.9	7	70.0	169	980
Van, motorhome	73	4.5	0	0.0	13	60
Pickup truck	266	16.5	1	10.0	33	232
Small truck under 10,000 lbs. GVWR	18	1.1	0	0.0	1	17
Cycle	14	0.9	0	0.0	12	2
Moped	1	0.1	0	0.0	0	1
Go Cart	0	0.0	0	0.0	0	0
Snowmobile	3	0.2	0	0.0	3	0
Off-Road Vehicle (ORV) / All-Terrain Vehicle (ATV)	3	0.2	1	10.0	2	0
Other	4	0.2	0	0.0	0	4
Truck/bus over 10,000 lbs.	41	2.5	1	10.0	5	35
Unknown	29	1.8	0	0.0	1	28
<b>TOTAL</b>	<b>1,608</b>	<b>100.0</b>	<b>10</b>	<b>100.0</b>	<b>239</b>	<b>1,359</b>

## Wexford County Experience

Wexford County experienced the highest number of fatal crashes (2) and the highest number of persons killed (3) in December.

Wexford County driver statistics indicate 6.5 percent of licensed drivers were age 16-20, and 10.1 percent of drivers in that age group were involved in crashes.



Crash Type								
	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	793	66.4	4	57.1	10	30	43	706
Head On	18	1.5	1	14.3	1	2	3	11
Head On - Left Turn	9	0.8	0	0.0	0	1	5	3
Angle	156	13.1	1	14.3	8	9	24	114
Rear End	113	9.5	0	0.0	2	2	7	102
Rear End - Left Turn	13	1.1	0	0.0	0	1	2	10
Rear End - Right Turn	5	0.4	0	0.0	0	0	1	4
Sideswipe - Same Direction	59	4.9	0	0.0	0	0	2	57
Sideswipe - Opposite Direct	8	0.7	0	0.0	0	0	1	7
Other/Unknown	21	1.8	1	14.3	0	1	3	16
<b>Total</b>	<b>1,195</b>	<b>100.0</b>	<b>7</b>	<b>100.0</b>	<b>21</b>	<b>46</b>	<b>91</b>	<b>1,030</b>

Relationship to Roadway								
Location of First Impact	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	901	75.4	3	42.9	15	20	60	803
Median	7	0.6	0	0.0	0	1	0	6
Shoulder	99	8.3	1	14.3	2	7	14	75
Outside of Shoulder/Curb	152	12.7	3	42.9	3	15	14	117
Gore	6	0.5	0	0.0	1	1	0	4
Other/Unknown	30	2.5	0	0.0	0	2	3	25
<b>Total</b>	<b>1,195</b>	<b>100.0</b>	<b>7</b>	<b>100.0</b>	<b>21</b>	<b>46</b>	<b>91</b>	<b>1,030</b>

**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by age**

Age group	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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	4	3	3	3	0	0	1	1	1
21 - 64	41	36	30	35	0	2	7	7	19
65 +	3	5	2	2	0	0	1	0	1
Other/Unknown	3	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>51</b>	<b>44</b>	<b>35</b>	<b>40</b>	<b>0</b>	<b>2</b>	<b>9</b>	<b>8</b>	<b>21</b>

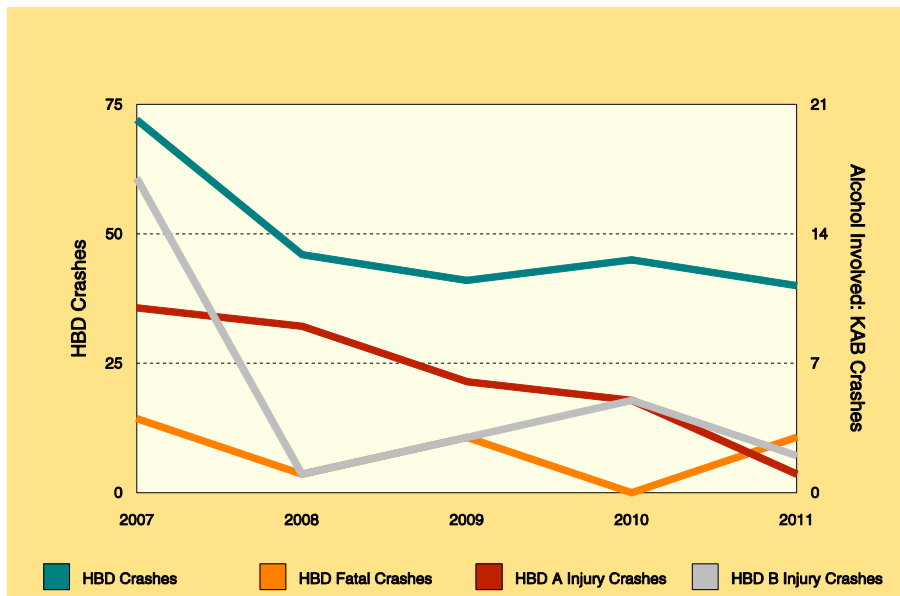
Notes:

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.

**Crashes Involving Alcohol**



Note: Had-Been-Drinking (HBD)

WEXFORD	All Crashes	HBD Crashes	% HBD	All Fatal Crashes	HBD Fatal Crashes	% HBD	Total A Injury	HBD A Injury	% HBD	Total B Injury	HBD B Injury	% HBD
2007	1,491	72	4.8	7	4	57.1	42	10	23.8	77	17	22.1
2008	1,483	46	3.1	2	1	50.0	32	9	28.1	55	1	1.8
2009	1,311	41	3.1	8	3	37.5	32	6	18.8	56	3	5.4
2010	1,175	45	3.8	6	0	0.0	13	5	38.5	59	5	8.5
2011	1,195	40*	3.3	7	3	42.9	21	1*	4.8	46*	2	4.3

\* Lowest number reported in the 5-year period.

## Restraint use among reported vehicle occupants by vehicle type

Vehicle Type	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Passenger car & station wagon	1,204	1,124	93.4	6	3	50.0	12	9	75.0	42	36	85.7	95	89	93.7	1,001	978	97.7
Van, motorhome	75	72	96.0	0	0	0.0	1	1	100.0	2	2	100.0	3	3	100.0	65	65	100.0
Pickup truck	279	248	88.9	1	1	100.0	4	3	75.0	10	9	90.0	19	14	73.7	229	219	95.6
Small truck under 10,000 lbs. GVWR	18	17	94.4	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	18	17	94.4
Cycle	19	17	89.5	0	0	0.0	5	4	80.0	6	6	100.0	5	5	100.0	3	2	66.7
Moped	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	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	3	3	100.0	0	0	0.0	1	1	100.0	1	1	100.0	1	1	100.0	0	0	0.0
Off-Road Vehicle (ORV) /All-Terrain Vehicle (ATV)	5	2	40.0	1	1	100.0	2	1	50.0	0	0	0.0	1	0	0.0	1	0	0.0
Other	4	2	50.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	4	2	50.0
Truck/bus over 10,000 lbs.	41	37	90.2	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	37	36	97.3
Uncoded & errors	29	6	20.7	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	5	4	80.0
<b>TOTAL</b>	<b>1,678</b>	<b>1,528</b>	<b>91.1</b>	<b>8</b>	<b>5</b>	<b>62.5</b>	<b>25</b>	<b>19</b>	<b>76.0</b>	<b>61</b>	<b>54</b>	<b>88.5</b>	<b>126</b>	<b>114</b>	<b>90.5</b>	<b>1,364</b>	<b>1,323</b>	<b>97.0</b>

## Restraint use among reported vehicle occupants by age

Age Group	Total Reported Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			No Injury		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
0 - 15	12	12	100.0	0	0	0.0	3	3	100.0	1	1	100.0	5	5	100.0	3	3	100.0
16 - 20	175	166	94.9	0	0	0.0	4	2	50.0	6	5	83.3	19	18	94.7	145	140	96.6
21 - 64	1,223	1,169	95.6	5	3	60.0	16	12	75.0	51	45	88.2	86	76	88.4	1,052	1,021	97.1
65 +	188	181	96.3	3	2	66.7	2	2	100.0	3	3	100.0	16	15	93.8	162	159	98.1
Other/Unknown	80	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	2	0	0.0
<b>TOTAL</b>	<b>1,678</b>	<b>1,528</b>	<b>91.1</b>	<b>8</b>	<b>5</b>	<b>62.5</b>	<b>25</b>	<b>19</b>	<b>76.0</b>	<b>61</b>	<b>54</b>	<b>88.5</b>	<b>126</b>	<b>114</b>	<b>90.5</b>	<b>1,364</b>	<b>1,323</b>	<b>97.0</b>



**Bodily alcohol concentration (BAC) results among all vehicle drivers in alcohol-involved crashes by municipality**

Municipality	Total drivers in alcohol-involved crashes	Total drivers tested in all crashes	Total drivers coded drinking, tested	BAC Result Range for Drivers Coded Drinking					
				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
Antioch Twp.	1	1	1	1	0	0	0	0	1
Boon Twp.	0	0	0	0	0	0	0	0	0
Buckley	0	0	0	0	0	0	0	0	0
Cadillac	16	11	9	10	0	0	2	7	1
Cedar Creek Twp.	2	2	2	2	0	0	0	0	2
Cherry Grove Twp.	1	2	1	1	0	1	0	0	0
Clam Lake Twp.	5	6	3	4	0	0	0	0	4
Colfax Twp.	1	1	1	1	0	0	1	0	0
Greenwood Twp.	1	1	1	1	0	0	0	1	0
Hanover Twp.	1	0	0	1	0	0	0	0	1
Haring Twp.	9	9	7	7	0	0	1	0	6
Harrietta	0	0	0	0	0	0	0	0	0
Henderson Twp.	0	0	0	0	0	0	0	0	0
Liberty Twp.	1	1	1	1	0	0	0	0	1
Manton	1	1	1	1	0	0	0	0	1
Mesick	0	0	0	0	0	0	0	0	0
Selma Twp.	9	6	6	7	0	0	4	0	3
Slagle Twp.	0	1	0	0	0	0	0	0	0
South Branch Twp.	1	1	1	1	0	0	1	0	0
Springville Twp.	1	1	1	1	0	1	0	0	0
Wexford Twp	1	0	0	1	0	0	0	0	1
Unknown Community	0	0	0	0	0	0	0	0	0
<b>Wexford County TOTAL</b>	<b>51</b>	<b>44</b>	<b>35</b>	<b>40</b>	<b>0</b>	<b>2</b>	<b>9</b>	<b>8</b>	<b>21</b>

## Crashes and injuries by municipality

Municipality	Total				Alcohol-involved				Speed-related			
	Crashes		Persons		Crashes		Persons		Crashes		Persons	
	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury	Total	Fatal	Fatality	Injury
Antioch Twp.	46	0	0	8	1	0	0	1	4	0	0	2
Boon Twp.	22	0	0	3	0	0	0	0	5	0	0	2
Buckley	17	0	0	1	0	0	0	0	3	0	0	1
Cadillac	270	1	2	49	10	1	2	6	26	0	0	5
Cedar Creek Twp.	50	1	1	9	2	0	0	0	23	1	1	6
Cherry Grove Twp.	63	1	1	7	1	1	1	0	10	0	0	3
Clam Lake Twp.	177	2	2	35	4	0	0	1	35	0	0	12
Colfax Twp.	33	0	0	2	1	0	0	1	2	0	0	1
Greenwood Twp.	23	0	0	0	1	0	0	0	3	0	0	0
Hanover Twp.	13	0	0	2	1	0	0	1	2	0	0	0
Haring Twp.	177	0	0	48	7	0	0	1	33	0	0	9
Harrietta	1	0	0	0	0	0	0	0	1	0	0	0
Henderson Twp.	18	0	0	2	0	0	0	0	5	0	0	0
Liberty Twp.	42	0	0	7	1	0	0	1	8	0	0	3
Manton	10	0	0	2	1	0	0	2	2	0	0	0
Mesick	11	0	0	2	0	0	0	0	1	0	0	0
Selma Twp.	99	1	1	15	7	1	1	3	17	0	0	1
Slagle Twp.	21	1	1	1	0	0	0	0	3	0	0	1
South Branch Twp.	27	0	0	5	1	0	0	1	6	0	0	2
Springville Twp.	32	0	0	11	1	0	0	0	5	0	0	0
Wexford Twp	43	0	0	14	1	0	0	3	8	0	0	2
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
<b>Wexford County TOTAL</b>	<b>1,195</b>	<b>7</b>	<b>8</b>	<b>223</b>	<b>40</b>	<b>3</b>	<b>4</b>	<b>21</b>	<b>202</b>	<b>1</b>	<b>1</b>	<b>50</b>

Restraint use among reported vehicle occupants by municipality

Municipality	Total Occupants			Fatalities			Incapacitating			Non-incapacitating			Possible Injury			Not Injured		
	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%	Total	Using Restraint	%
Antioch Twp.	49	46	93.9	0	0	0.0	2	2	100.0	1	1	100.0	5	4	80.0	38	37	97.4
Boon Twp.	24	24	100.0	0	0	0.0	0	0	0.0	3	3	100.0	0	0	0.0	21	21	100.0
Buckley	23	21	91.3	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	21	20	95.2
Cadillac	507	440	86.8	2	2	100.0	2	2	100.0	2	2	100.0	38	35	92.1	408	398	97.5
Cedar Creek Twp.	61	55	90.2	1	0	0.0	2	2	100.0	2	1	50.0	4	4	100.0	49	47	95.9
Cherry Grove Twp.	73	67	91.8	1	1	100.0	1	0	0.0	0	0	0.0	6	5	83.3	63	59	93.7
Clam Lake Twp.	212	197	92.9	2	1	50.0	2	1	50.0	13	11	84.6	20	20	100.0	166	163	98.2
Collfax Twp.	33	32	97.0	0	0	0.0	0	0	0.0	1	1	100.0	1	0	0.0	31	31	100.0
Greenwood Twp.	24	21	87.5	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	24	21	87.5
Hanover Twp.	13	11	84.6	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0	11	11	100.0
Haring Twp.	272	257	94.5	0	0	0.0	6	3	50.0	17	15	88.2	23	22	95.7	220	215	97.7
Harrietta	1	1	100.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0
Henderson Twp.	21	21	100.0	0	0	0.0	1	1	100.0	1	1	100.0	0	0	0.0	19	19	100.0
Liberty Twp.	50	46	92.0	0	0	0.0	0	0	0.0	4	4	100.0	3	2	66.7	41	40	97.6
Manton	15	12	80.0	0	0	0.0	0	0	0.0	2	2	100.0	0	0	0.0	10	10	100.0
Mesick	22	21	95.5	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0	18	18	100.0
Selma Twp.	127	116	91.3	1	1	100.0	1	1	100.0	4	4	100.0	10	10	100.0	106	98	92.5
Slagle Twp.	23	21	91.3	1	0	0.0	0	0	0.0	0	0	0.0	1	1	100.0	19	19	100.0
South Branch Twp.	32	31	96.9	0	0	0.0	0	0	0.0	3	2	66.7	2	2	100.0	27	27	100.0
Springville Twp.	41	40	97.6	0	0	0.0	4	4	100.0	5	5	100.0	2	2	100.0	30	29	96.7
Wexford Twp	55	48	87.3	0	0	0.0	4	3	75.0	3	2	66.7	7	4	57.1	41	39	95.1
Unknown Community	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0
<b>Wexford County TOTAL</b>	<b>1,678</b>	<b>1,528</b>	<b>91.1</b>	<b>8</b>	<b>5</b>	<b>62.5</b>	<b>25</b>	<b>19</b>	<b>76.0</b>	<b>61</b>	<b>54</b>	<b>88.5</b>	<b>126</b>	<b>114</b>	<b>90.5</b>	<b>1,364</b>	<b>1,323</b>	<b>97.0</b>

Office of Highway Safety  
Planning

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