

Crash and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only	Fatality	Injury
January	518	1	77	440	1	89
February	297	0	53	244	0	77
March	276	3	49	224	3	77
April	265	0	50	215	0	78
May	362	3	86	273	3	123
June	305	1	85	219	1	109
July	285	3	86	196	3	117
August	295	2	86	207	2	112
September	301	2	76	223	2	94
October	377	0	71	306	0	100
November	373	0	58	315	0	78
December	420	0	57	363	0	79
TOTAL	4,074	15	834	3,225	15	1,133

In Muskegon County in 2012 there were:
4,074 crashes

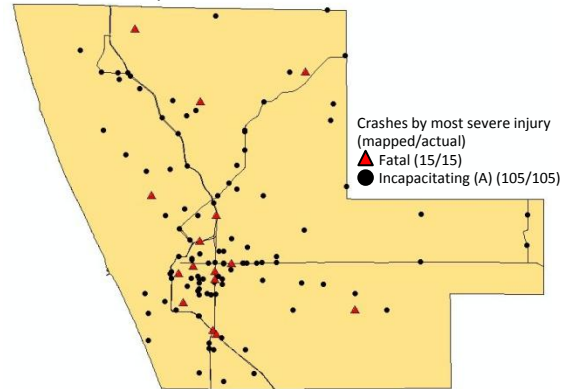
Involving:

7,996 people

7,912 motor vehicle drivers and passengers

41 bicyclists

43 pedestrians



Driver Statistics

Age Group				Drivers in Crashes	
	2011* Population	Licensed Drivers	Drivers in Crashes	Per 10K Population	Per 10K Licensed
0 - 15	36,710	743	15	4.1	201.9
16 - 20	12,090	8,094	906	749.4	1119.3
21 - 64	98,729	88,989	4,602	466.1	517.1
65 +	23,773	21,993	678	285.2	308.3
Other/Unknown	--	--	469	--	--
TOTAL	171,302	119,819	6,670	389.4	556.7

*2012 Population of Michigan Counties (by single-year of age) not yet available from U.S. Census Bureau

Muskegon County Experience

Muskegon County experienced the highest number of fatal crashes (3) and the highest number of persons killed (3) in March, May, and July.

Muskegon County driver statistics indicate 6.8 percent of licensed drivers were age 16-20, and 13.6 percent of drivers in that age group were involved in crashes.

In Muskegon County, motorcycles and mopeds accounted for 1.9 percent of the total vehicles in crashes, and were involved in 19.1 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 Vehicles	% of Total		
Passenger car & station wagon	5,273	79.1	13	61.9	1,086	4,174
Van, motorhome	202	3.0	1	4.8	38	163
Pickup truck	697	10.4	2	9.5	132	563
Small truck under 10,000 lbs. GVWR	97	1.5	1	4.8	21	75
Cycle	107	1.6	3	14.3	80	24
Moped	18	0.3	1	4.8	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)	4	0.1	0	0.0	3	1
Other	91	1.4	0	0.0	16	75
Truck/bus over 10,000 lbs.	98	1.5	0	0.0	17	81
Unknown	83	1.2	0	0.0	6	77
TOTAL	6,670	100.0	21	100.0	1,414	5,235

Crash Type								
	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	1,658	40.7	9	60.0	46	126	152	1,325
Head On	50	1.2	1	6.7	6	6	10	27
Head On - Left Turn	102	2.5	3	20.0	9	18	20	52
Angle	776	19.0	1	6.7	16	78	95	586
Rear End	845	20.7	0	0.0	15	52	114	664
Rear End - Left Turn	34	0.8	0	0.0	1	2	4	27
Rear End - Right Turn	35	0.9	0	0.0	2	3	4	26
Sideswipe - Same Direction	345	8.5	0	0.0	3	6	11	325
Sideswipe - Opposite Direct	78	1.9	0	0.0	0	5	4	69
Other/Unknown	151	3.7	1	6.7	7	4	15	124
Total	4,074	100.0	15	100.0	105	300	429	3,225

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	3,275	80.4	11	73.3	81	235	327	2,621
Median	35	0.9	0	0.0	0	2	5	28
Shoulder	216	5.3	0	0.0	6	15	23	172
Outside of Shoulder/Curb	458	11.2	2	13.3	18	43	66	329
Gore	31	0.8	1	6.7	0	1	4	25
Other/Unknown	59	1.4	1	6.7	0	4	4	50
Total	4,074	100.0	15	100.0	105	300	429	3,225

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.	46	0	0	8	1	0	0	1	11	0	0	4
Casnovia	9	0	0	4	0	0	0	0	1	0	0	1
Casnovia Twp.	72	0	0	31	2	0	0	3	16	0	0	7
Cedar Creek Twp.	56	0	0	17	5	0	0	8	12	0	0	3
Dalton Twp.	223	1	1	100	14	0	0	17	65	0	0	24
Eggleston Twp.	117	0	0	62	9	0	0	6	21	0	0	10
Fruitland Twp.	88	0	0	18	8	0	0	3	17	0	0	5
Fruitport	28	0	0	7	0	0	0	0	11	0	0	0
Fruitport Twp.	253	1	1	67	14	1	1	12	60	1	1	7
Holton Twp.	78	1	1	20	6	0	0	4	23	1	1	5
Laketon Twp.	91	1	1	27	5	0	0	0	22	0	0	2
Lakewood Club	18	0	0	7	1	0	0	2	6	0	0	0
Montague	29	0	0	4	1	0	0	0	2	0	0	0
Montague Twp.	52	1	1	8	1	0	0	0	16	0	0	4
Moorland Twp.	63	0	0	15	0	0	0	0	13	0	0	3
Muskegon	1,037	3	3	245	49	0	0	16	108	0	0	11
Muskegon Heights	253	1	1	73	4	0	0	2	19	0	0	2
Muskegon Twp.	476	4	4	140	14	1	1	5	134	0	0	27
North Muskegon	60	0	0	8	1	0	0	2	5	0	0	0
Norton Shores	675	1	1	186	22	0	0	9	135	0	0	18
Ravenna	14	0	0	3	1	0	0	0	0	0	0	0
Ravenna Twp.	95	1	1	18	3	0	0	1	18	0	0	4
Roosevelt Park	13	0	0	2	1	0	0	0	0	0	0	0
Sullivan Twp.	69	0	0	22	4	0	0	2	13	0	0	8
White River Twp	24	0	0	2	0	0	0	0	2	0	0	0
Whitehall	54	0	0	9	2	0	0	0	4	0	0	0
Whitehall Twp.	81	0	0	30	1	0	0	1	17	0	0	5
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0
Muskegon County TOTAL	4,074	15	15	1,133	169	2	2	94	751	2	2	150

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	17	20	13	14	0	4	3	2	5
21 - 64	191	193	138	147	2	9	35	59	42
65 +	10	9	8	8	1	1	3	1	2
Other/Unknown	12	0	0	0	0	0	0	0	0
TOTAL	230	222	159	169	3	14	41	62	49

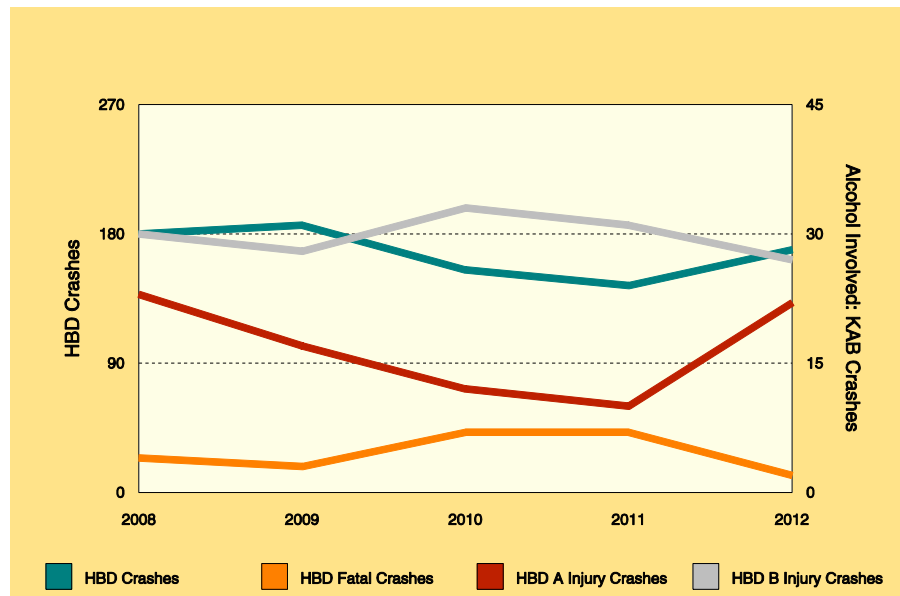
Notes:

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 Crashes	HBD A Injury Crashes	% HBD	Total B Injury Crashes	HBD B Injury Crashes	% HBD
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
2012	4,074*	169	4.1	15	2*	13.3*	105	22	21.0**	300	27*	9.0*

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

**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.	1	3	1	1	0	0	0	0	1
Casnovia	0	0	0	0	0	0	0	0	0
Casnovia Twp.	3	2	2	2	0	0	0	1	1
Cedar Creek Twp.	5	6	5	5	0	0	1	3	1
Dalton Twp.	19	18	13	14	0	1	0	5	8
Eggleston Twp.	14	14	8	9	0	2	1	4	2
Fruitland Twp.	8	9	7	8	0	0	3	2	3
Fruitport	0	1	0	0	0	0	0	0	0
Fruitport Twp.	17	16	12	14	0	1	2	5	6
Holton Twp.	6	8	6	6	0	1	0	2	3
Laketon Twp.	7	6	5	5	0	0	1	4	0
Lakewood Club	1	1	1	1	0	0	0	0	1
Montague	1	2	1	1	0	0	1	0	0
Montague Twp.	1	3	1	1	0	0	1	0	0
Moorland Twp.	0	0	0	0	0	0	0	0	0
Muskegon	71	59	47	49	1	3	17	19	9
Muskegon Heights	7	6	4	4	0	1	1	0	2
Muskegon Twp.	20	20	12	14	0	2	4	3	5
North Muskegon	2	2	1	1	0	0	0	1	0
Norton Shores	31	26	22	22	2	1	5	10	4
Ravenna	1	1	1	1	0	1	0	0	0
Ravenna Twp.	5	5	3	3	0	0	1	1	1
Roosevelt Park	1	0	0	1	0	0	0	0	1
Sullivan Twp.	5	6	4	4	0	0	2	1	1
White River Twp	0	2	0	0	0	0	0	0	0
Whitehall	3	2	2	2	0	0	1	1	0
Whitehall Twp.	1	4	1	1	0	1	0	0	0
Unknown Community	0	0	0	0	0	0	0	0	0
Muskegon County TOTAL	230	222	159	169	3	14	41	62	49

Restraint Use among Reported Vehicle Drivers and Injured Passengers 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	5,509	4,964	90.1	5	1	20.0	83	69	83.1	274	243	88.7	472	450	95.3	4,455	4,197	94.2
Van, motorhome	209	182	87.1	0	0	0.0	1	1	100.0	6	6	100.0	16	15	93.8	171	160	93.6
Pickup truck	724	650	89.8	1	1	100.0	4	4	100.0	27	22	81.5	54	49	90.7	605	574	94.9
Small truck under 10,000 lbs. GVWR	99	86	86.9	1	1	100.0	2	2	100.0	6	6	100.0	7	7	100.0	78	70	89.7
Cycle	115	73	63.5	3	1	33.3	17	13	76.5	43	30	69.8	23	14	60.9	25	15	60.0
Moped	18	8	44.4	1	0	0.0	3	1	33.3	7	4	57.1	5	2	40.0	2	1	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)	5	3	60.0	0	0	0.0	1	0	0.0	2	2	100.0	0	0	0.0	2	1	50.0
Other	93	77	82.8	0	0	0.0	3	3	100.0	2	1	50.0	7	7	100.0	77	66	85.7
Truck/bus over 10,000 lbs.	100	85	85.0	0	0	0.0	0	0	0.0	2	2	100.0	2	0	0.0	91	83	91.2
Uncoded & errors	83	3	3.6	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	12	3	25.0
TOTAL	6,955	6,131	88.2	11	4	36.4	114	93	81.6	369	316	85.6	586	544	92.8	5,518	5,170	93.7

Restraint Use among Reported Vehicle Drivers and Injured Passengers 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	95	87	91.6	0	0	0.0	9	7	77.8	29	27	93.1	48	45	93.8	9	8	88.9
16 - 20	965	921	95.4	2	0	0.0	16	12	75.0	68	62	91.2	99	96	97.0	780	751	96.3
21 - 64	4,732	4,430	93.6	7	3	42.9	75	61	81.3	230	186	80.9	391	357	91.3	4,029	3,823	94.9
65 +	694	668	96.3	2	1	50.0	14	13	92.9	42	41	97.6	47	46	97.9	589	567	96.3
Other/Unknown	469	25	5.3	0	0	0.0	0	0	0.0	0	0	0.0	1	0	0.0	111	21	18.9
TOTAL	6,955	6,131	88.2	11	4	36.4	114	93	81.6	369	316	85.6	586	544	92.8	5,518	5,170	93.7

Restraint Use among Reported Vehicle Drivers and Injured Passengers 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.	56	51	91.1	0	0	0.0	1	1	100.0	2	2	100.0	5	4	80.0	46	44	95.7
Casnovia	13	13	100.0	0	0	0.0	0	0	0.0	2	2	100.0	2	2	100.0	9	9	100.0
Casnovia Twp.	103	92	89.3	0	0	0.0	5	5	100.0	11	9	81.8	15	15	100.0	69	63	91.3
Cedar Creek Twp.	72	63	87.5	0	0	0.0	5	3	60.0	10	6	60.0	2	1	50.0	54	53	98.1
Dalton Twp.	322	305	94.7	0	0	0.0	12	11	91.7	30	27	90.0	53	51	96.2	221	216	97.7
Eggleston Twp.	205	177	86.3	0	0	0.0	8	5	62.5	23	17	73.9	29	25	86.2	137	130	94.9
Fruitland Twp.	105	97	92.4	0	0	0.0	3	3	100.0	7	6	85.7	6	6	100.0	87	82	94.3
Fruitport	52	44	84.6	0	0	0.0	0	0	0.0	4	4	100.0	3	3	100.0	44	37	84.1
Fruitport Twp.	408	361	88.5	1	0	0.0	5	2	40.0	19	15	78.9	42	37	88.1	330	307	93.0
Holton Twp.	111	100	90.1	1	0	0.0	6	5	83.3	8	7	87.5	6	6	100.0	89	82	92.1
Laketon Twp.	128	116	90.6	1	0	0.0	1	1	100.0	7	7	100.0	17	15	88.2	99	93	93.9
Lakewood Club	26	21	80.8	0	0	0.0	2	0	0.0	5	4	80.0	0	0	0.0	19	17	89.5
Montague	42	39	92.9	0	0	0.0	0	0	0.0	0	0	0.0	3	3	100.0	38	36	94.7
Montague Twp.	65	60	92.3	1	1	100.0	0	0	0.0	3	3	100.0	5	5	100.0	54	51	94.4
Moorland Twp.	75	72	96.0	0	0	0.0	2	1	50.0	7	6	85.7	6	6	100.0	60	59	98.3
Muskegon	1,972	1,628	82.6	2	1	50.0	26	22	84.6	74	63	85.1	123	113	91.9	1,568	1,427	91.0
Muskegon Heights	510	362	71.0	0	0	0.0	2	2	100.0	18	14	77.8	47	40	85.1	367	304	82.8
Muskegon Twp.	866	817	94.3	3	1	33.3	18	15	83.3	30	26	86.7	83	78	94.0	718	697	97.1
North Muskegon	116	88	75.9	0	0	0.0	1	1	100.0	1	1	100.0	6	4	66.7	106	82	77.4
Norton Shores	1,214	1,146	94.4	1	0	0.0	6	6	100.0	86	76	88.4	85	83	97.6	1,001	981	98.0
Ravenna	22	20	90.9	0	0	0.0	0	0	0.0	0	0	0.0	2	2	100.0	19	18	94.7
Ravenna Twp.	115	114	99.1	1	1	100.0	3	3	100.0	4	4	100.0	11	11	100.0	96	95	99.0
Roosevelt Park	23	23	100.0	0	0	0.0	1	1	100.0	0	0	0.0	1	1	100.0	21	21	100.0
Sullivan Twp.	88	85	96.6	0	0	0.0	2	2	100.0	9	8	88.9	11	11	100.0	64	64	100.0
White River Twp	29	29	100.0	0	0	0.0	0	0	0.0	1	1	100.0	1	1	100.0	27	27	100.0
Whitehall	95	91	95.8	0	0	0.0	2	1	50.0	3	3	100.0	3	3	100.0	84	84	100.0
Whitehall Twp.	122	117	95.9	0	0	0.0	3	3	100.0	5	5	100.0	19	18	94.7	91	91	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
Muskegon County TOTAL	6,955	6,131	88.2	11	4	36.4	114	93	81.6	369	316	85.6	586	544	92.8	5,518	5,170	93.7

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