May 2015
Revised 3/16/2016

MICHIGAN
Office of Highway Safety Planning
2014

MTCF
Michigan Traffic Crash Facts

Michigan Traffic Crash Facts

Reporting Criteria

Please pay particular attention to the wording when interpreting the three levels of data gathered for this report.

Crash
The Crash Level analyzes data related to crash events and returns one result per crash.

Examples: Time, weather, and location.

Units
The Units Level analyzes the experience of the units in the crash and returns one result per vehicle, driver, pedestrian, bicyclist, or train.

Examples: Vehicle type, driver condition, and unit events.

People
The People Level analyzes the experience of the people involved in the crash and returns one result per occupant/person/party.

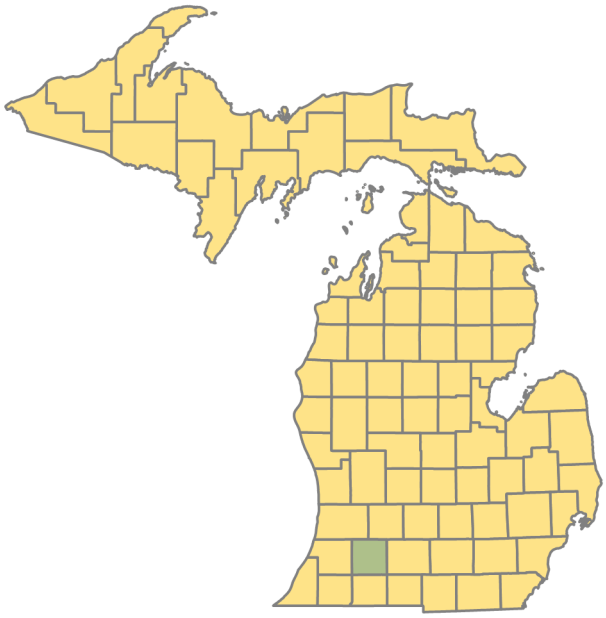
Examples: Age, injury severity, and seat belt or helmet use.

KABCO Injury Indicator:
K = Killed
A = Incapacitating Injury
B = Non-incapacitating Injury
C = Possible Injury
O = No Injury
Property Damage Only (PDO)

UMTRI
University of Michigan
Transportation Research Institute

Kalamazoo County

2014 Traffic Crash Data & 2010-2014 5-Year Trends



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

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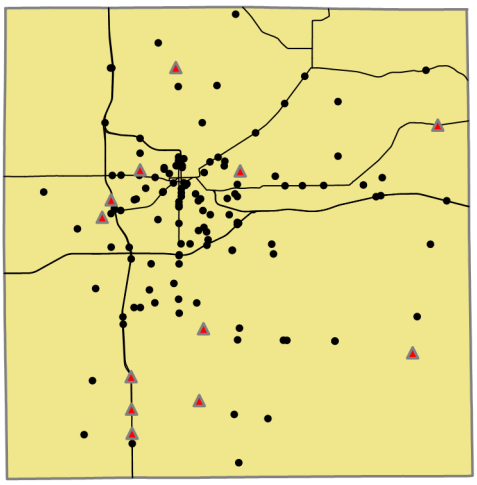
Kalamazoo County



Crashes by most severe injury (mapped/actual)
K - Fatal (12/12)
A - Incapacitating (123/123)

2014 - Crashes and Injuries by Month

Month	Crashes				Persons	
	Total	Fatal	Injury	Property Damage Only (PDO)	Fatalities	Injuries
January	1,309	0	134	1,175	0	172
February	920	0	114	806	0	140
March	593	2	91	500	2	136
April	482	2	92	388	2	134
May	540	0	118	422	0	172
June	525	0	109	416	0	149
July	512	0	121	391	0	160
August	501	2	99	400	2	148
September	623	1	138	484	1	178
October	741	1	111	629	1	150
November	1,007	3	136	868	5	183
December	543	1	97	445	1	116
Total	**8,296**	**12**	**1,360**	**6,924**	**14**	**1,838**

Kalamazoo County

In 2014:

There were 14,703 drivers involved in 8,296 motor vehicle crashes in Kalamazoo County. Of those crashes, 12 were classified as fatal, resulting in 14 fatalities. An additional 1,838 persons were injured.

Kalamazoo County experienced the highest number of motor vehicle crashes (1,309) in January, the highest number of fatal crashes (3) and the highest number of persons killed (5) in November.

Michigan driver statistics indicate 7.2 percent of licensed drivers in Kalamazoo County were age 16-20, and 12.1 percent of drivers in crashes were also in that age group.

2014 - Driver Statistics

Age Group	Statewide			Driver Rates	
	2014 Population	Licensed Drivers	Drivers in Crashes	Per 10k Population	Per 10k Licensed
0 - 15	50,583	1,213	21	4.2	173.1
16 - 20	22,443	13,100	1,786	795.8	1,363.4
21 - 24	26,254	15,568	1,905	725.6	1,223.7
25 - 64	124,590	120,002	8,536	685.1	711.3
65 +	34,948	31,758	1,257	359.7	395.8
Unknown	- -	- -	1,198	- -	- -
Total	**258,818**	**181,641**	**14,703**	**568.1**	**809.5**

2014 - Vehicles in Crashes

Vehicle Type	Motor Vehicles		Fatal Crashes		Injury Crashes	PDO Crashes
	Number of Vehicles	% of Total	Number	% of Total	Number	Number
Passenger car & station wagon	11,760	80.0	9	37.5	1,982	9,769
Van & motorhome	585	4.0	2	8.3	115	468
Pickup truck	1,378	9.4	2	8.3	217	1,159
Small truck under 10,000 lbs. GVWR	152	1.0	7	29.2	20	125
Cycle	90	0.6	0	0.0	63	27
Moped	17	0.1	1	4.2	13	3
Go Cart	2	0.0	0	0.0	1	1
Snowmobile	2	0.0	0	0.0	1	1
Off-Road Vehicle (ORV) & All-Terrain Vehicle (ATV)	0	0.0	0	0.0	0	0
Other	36	0.2	0	0.0	3	33
Truck/bus over 10,000 lbs.	389	2.6	3	12.5	50	336
Unknown	292	2.0	0	0.0	20	272
Total	**14,703**	**100.0**	**24**	**100.0**	**2,485**	**12,194**

Kalamazoo County (continued)

5-Year Trend - Crashes by Month

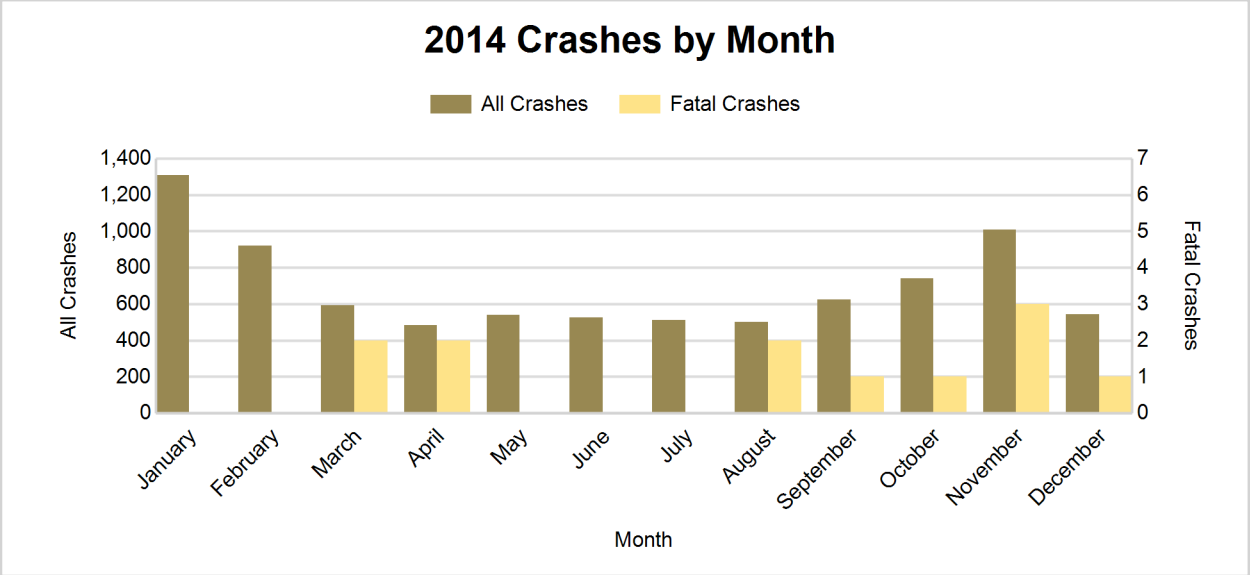
Month	2010		2011		2012		2013		2014	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
January	721	2	952	3	887	2	866	1	1,309	0
February	737	2	670	0	756	2	784	3	920	0
March	484	2	513	1	551	2	552	0	593	2
April	559	2	493	1	478	0	518	1	482	2
May	569	0	618	4	561	2	603	1	540	0
June	611	1	574	2	527	4	569	2	525	0
July	564	2	516	3	472	6	518	4	512	0
August	551	1	494	1	470	0	570	1	501	2
September	669	1	677	2	581	2	594	4	623	1
October	805	3	749	2	789	1	788	3	741	1
November	735	1	879	2	624	1	794	9	1,007	3
December	963	3	665	3	851	3	872	4	543	1
Total	**7,968**	**20**	**7,800**	**24**	**7,547**	**25**	**8,028**	**33**	**8,296**	**12**

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

5-Year Trend - Crashes by Day of Week

Day	2010		2011		2012		2013		2014	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Monday	1,121	6	1,092	3	1,097	7	1,251	6	1,184	1
Tuesday	1,243	5	1,214	4	1,057	2	1,251	5	1,229	4
Wednesday	1,399	2	1,179	1	1,151	4	1,327	0	1,368	0
Thursday	1,276	3	1,224	4	1,092	2	1,222	6	1,429	4
Friday	1,295	3	1,277	3	1,448	3	1,234	6	1,391	2
Saturday	940	0	1,086	7	1,018	2	969	6	964	1
Sunday	694	1	728	2	684	5	774	4	731	0
Total	**7,968**	**20**	**7,800**	**24**	**7,547**	**25**	**8,028**	**33**	**8,296**	**12**

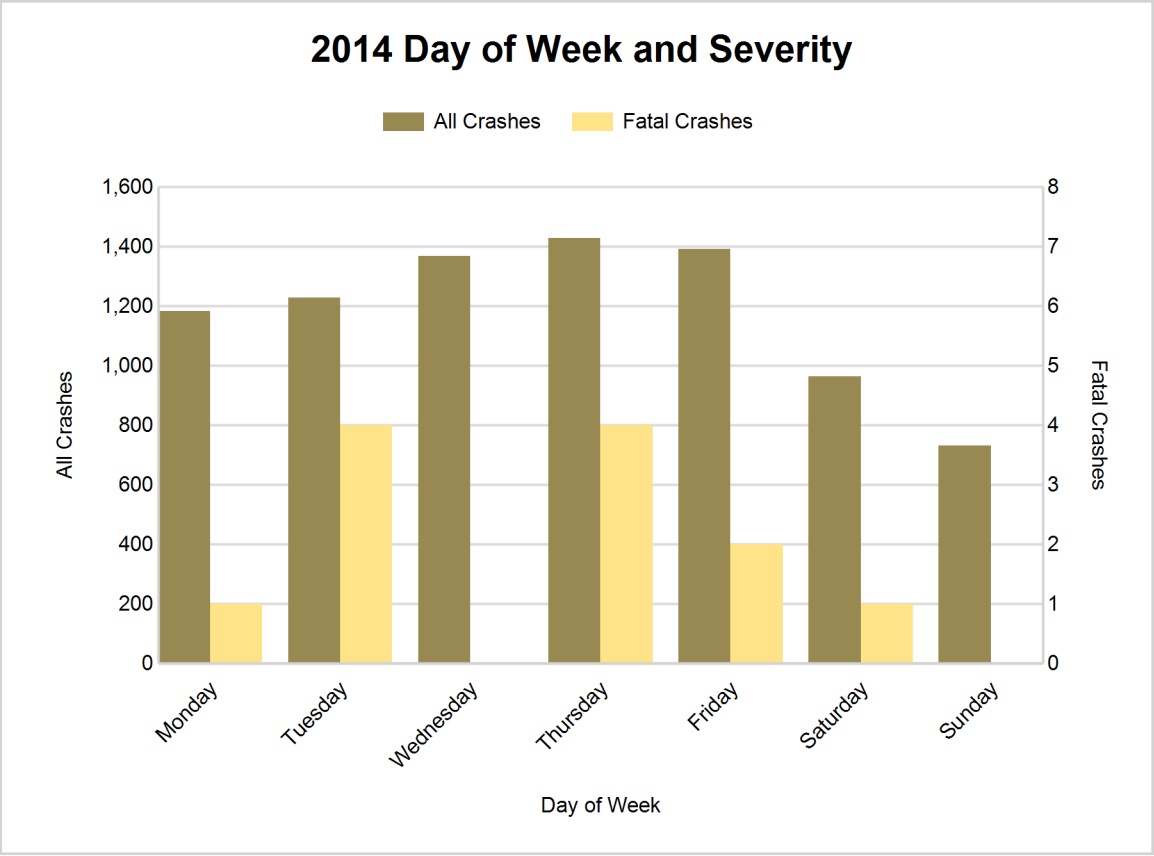
Note: † Indicates that the highest number of total crashes reported in the 5-year period occurred on the same day of the week



Kalamazoo County (continued)

2014 - Crashes by Day of Week

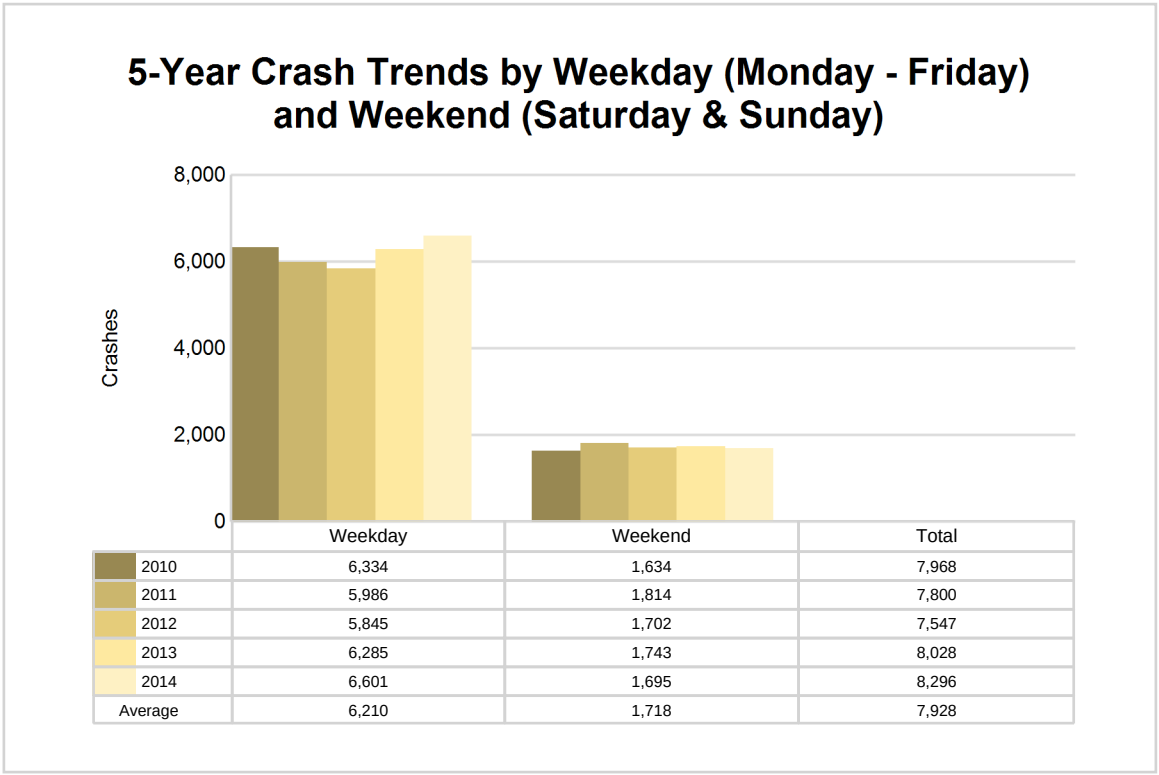
Day	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	Number
Monday	1,184	14.3	1	8.3	13	48	123	999
Tuesday	1,229	14.8	4	33.3	15	49	122	1,039
Wednesday	1,368	16.5	0	0.0	15	47	141	1,165
Thursday	1,429	17.2	4	33.3	22	54	150	1,199
Friday	1,391	16.8	2	16.7	15	48	169	1,157
Saturday	964	11.6	1	8.3	19	52	117	775
Sunday	731	8.8	0	0.0	24	37	80	590
Total	**8,296**	**100.0**	**12**	**100.0**	**123**	**335**	**902**	**6,924**



Kalamazoo County (continued)

5-Year Trend - Crashes by Weekday and Weekend

Portion of Week	2010		2011		2012		2013		2014	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Weekday	6,334	19	5,986	15	5,845	18	6,285	23	6,601	11
Weekend	1,634	1	1,814	9	1,702	7	1,743	10	1,695	1
Total	**7,968**	**20**	**7,800**	**24**	**7,547**	**25**	**8,028**	**33**	**8,296**	**12**

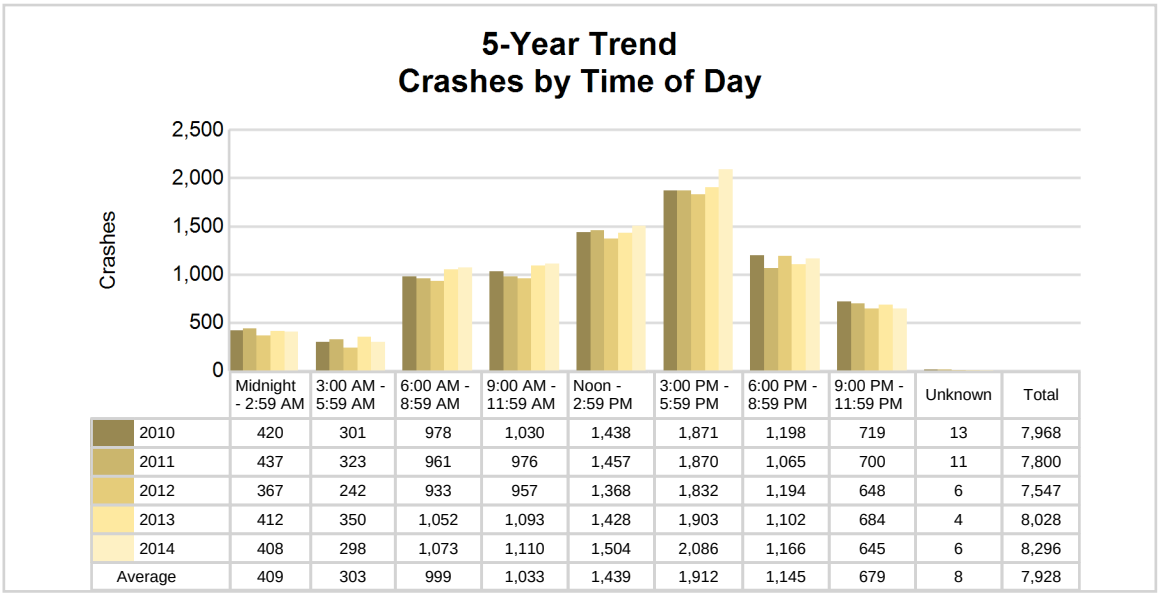


Kalamazoo County (continued)

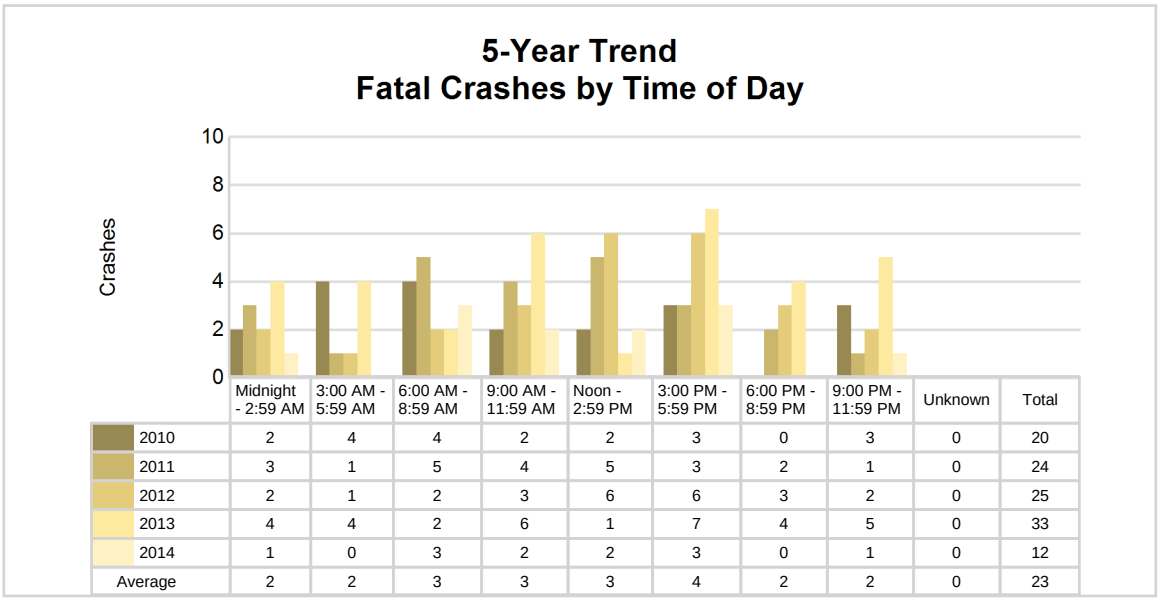
5-Year Trend - Crashes by Time of Day

Time of Day	2010		2011		2012		2013		2014	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	420	2	437	3	367	2	412	4	408	1
3:00 AM - 5:59 AM	301	4	323	1	242	1	350	4	298	0
6:00 AM - 8:59 AM	978	4	961	5	933	2	1,052	2	1,073	3
9:00 AM - 11:59 AM	1,030	2	976	4	957	3	1,093	6	1,110	2
Noon - 2:59 PM	1,438	2	1,457	5	1,368	6	1,428	1	1,504	2
3:00 PM - 5:59 PM	1,871 †	3	1,870 †	3	1,832 †	6	1,903 †	7	2,086 †	3
6:00 PM - 8:59 PM	1,198	0	1,065	2	1,194	3	1,102	4	1,166	0
9:00 PM - 11:59 PM	719	3	700	1	648	2	684	5	645	1
Unknown	13	0	11	0	6	0	4	0	6	0
Total	**7,968**	**20**	**7,800**	**24**	**7,547**	**25**	**8,028**	**33**	**8,296**	**12**

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



	Midnight - 2:59 AM	3:00 AM - 5:59 AM	6:00 AM - 8:59 AM	9:00 AM - 11:59 AM	Noon - 2:59 PM	3:00 PM - 5:59 PM	6:00 PM - 8:59 PM	9:00 PM - 11:59 PM	Unknown	Total
2010	420	301	978	1,030	1,438	1,871	1,198	719	13	7,968
2011	437	323	961	976	1,457	1,870	1,065	700	11	7,800
2012	367	242	933	957	1,368	1,832	1,194	648	6	7,547
2013	412	350	1,052	1,093	1,428	1,903	1,102	684	4	8,028
2014	408	298	1,073	1,110	1,504	2,086	1,166	645	6	8,296
Average	409	303	999	1,033	1,439	1,912	1,145	679	8	7,928

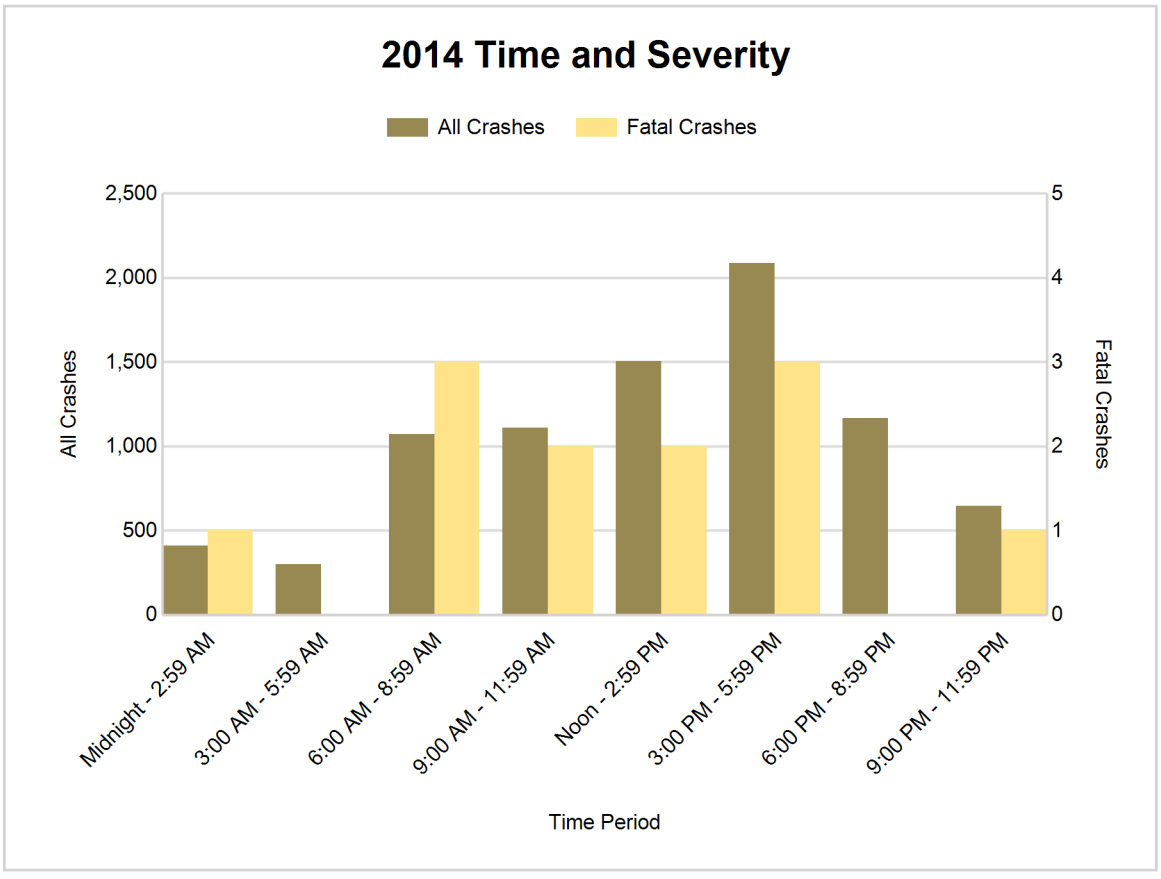


	Midnight - 2:59 AM	3:00 AM - 5:59 AM	6:00 AM - 8:59 AM	9:00 AM - 11:59 AM	Noon - 2:59 PM	3:00 PM - 5:59 PM	6:00 PM - 8:59 PM	9:00 PM - 11:59 PM	Unknown	Total
2010	2	4	4	2	2	3	0	3	0	20
2011	3	1	5	4	5	3	2	1	0	24
2012	2	1	2	3	6	6	3	2	0	25
2013	4	4	2	6	1	7	4	5	0	33
2014	1	0	3	2	2	3	0	1	0	12
Average	2	2	3	3	3	4	2	2	0	23

Kalamazoo County (continued)

2014 - Time and Severity

Time of Day	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	Number
Midnight - 2:59 AM	408	4.9	1	8.3	16	28	36	327
3:00 AM - 5:59 AM	298	3.6	0	0.0	4	18	29	247
6:00 AM - 8:59 AM	1,073	12.9	3	25.0	15	38	119	898
9:00 AM - 11:59 AM	1,110	13.4	2	16.7	8	42	124	934
Noon - 2:59 PM	1,504	18.1	2	16.7	17	48	175	1,262
3:00 PM - 5:59 PM	2,086	25.1	3	25.0	25	85	227	1,746
6:00 PM - 8:59 PM	1,166	14.1	0	0.0	24	46	134	962
9:00 PM - 11:59 PM	645	7.8	1	8.3	14	30	58	542
Unknown	6	0.1	0	0.0	0	0	0	6
Total	**8,296**	**100.0**	**12**	**100.0**	**123**	**335**	**902**	**6,924**

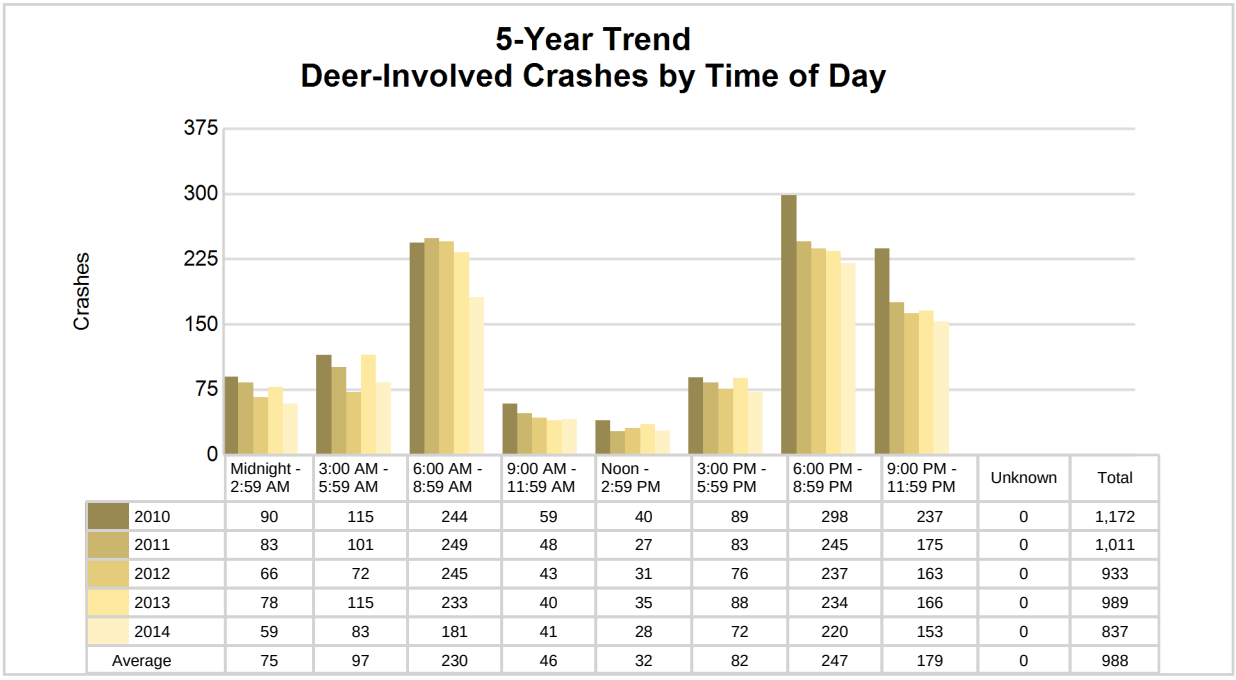


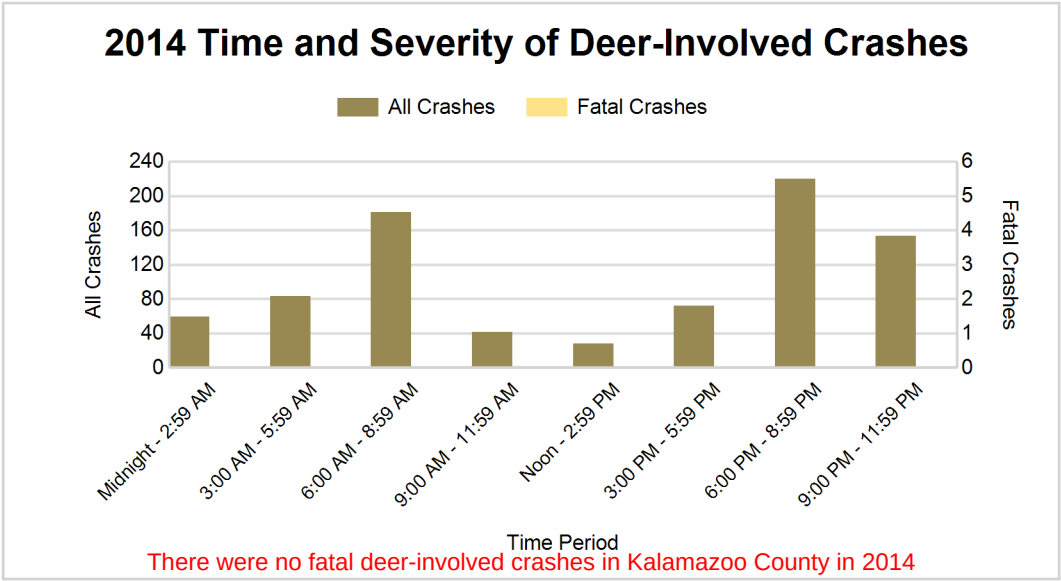
Kalamazoo County (continued)

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

Time of Day	2010		2011		2012		2013		2014	
	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes	Total Crashes	Fatal Crashes
Midnight - 2:59 AM	90	0	83	0	66	0	78	0	59	0
3:00 AM - 5:59 AM	115	0	101	0	72	0	115	1	83	0
6:00 AM - 8:59 AM	244	0	249	0	245	0	233	0	181	0
9:00 AM - 11:59 AM	59	0	48	0	43	0	40	0	41	0
Noon - 2:59 PM	40	0	27	0	31	0	35	0	28	0
3:00 PM - 5:59 PM	89	0	83	0	76	0	88	0	72	0
6:00 PM - 8:59 PM	298	0	245	0	237	0	234	1	220	0
9:00 PM - 11:59 PM	237	0	175	0	163	0	166	0	153	0
Unknown	0	0	0	0	0	0	0	0	0	0
Total	**1,172**	**0**	**1,011**	**0**	**933**	**0**	**989**	**2**	**837**	**0**

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





Kalamazoo County (continued)

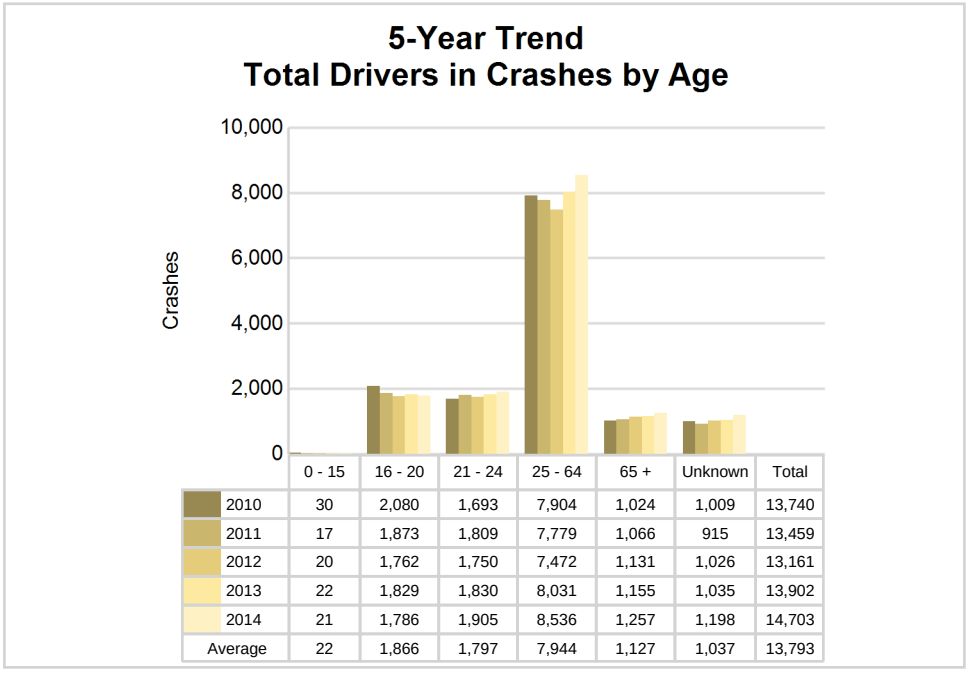
2014 - Reported Motor Vehicle Crashes by Municipality

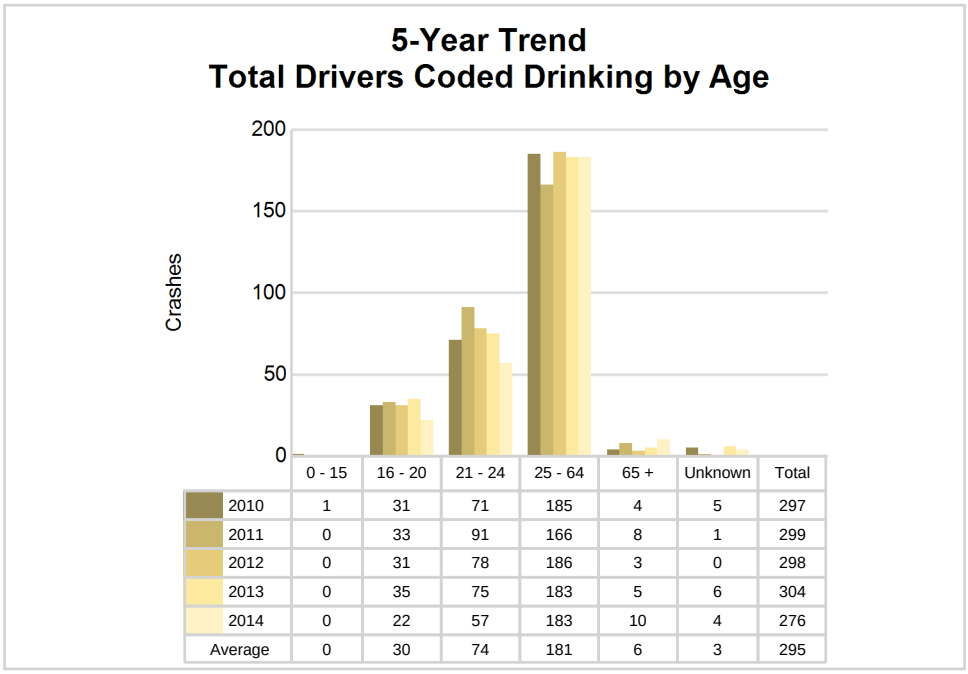
Municipality	Crashes											Persons	
	Total	Fatal	Injury	Property Damage	Inter-state	US Route	State Route	Local Street	Alcohol-Involved	Drug-Involved	Deer-Involved	Fatalities	Injuries
Alamo Twp.	147	0	23	124	0	92	0	55	4	0	44	0	30
Augusta	12	0	1	11	0	0	9	3	0	0	0	0	1
Brady Twp.	75	0	10	65	0	0	0	75	4	0	36	0	17
Charleston Twp.	182	0	39	143	106	0	13	63	7	0	35	0	54
Climax	9	0	1	8	0	0	0	9	0	0	0	0	2
Climax Twp.	34	1	6	27	0	0	0	34	0	0	21	1	6
Comstock Twp.	548	1	104	443	147	0	151	250	16	3	66	1	149
Cooper Twp.	151	1	27	123	0	0	0	151	9	5	47	1	35
Galesburg	37	0	7	30	0	0	20	17	1	0	4	0	9
Kalamazoo	3,237	0	491	2,746	627	120	684	1,806	125	19	46	0	649
Kalamazoo Twp.	479	1	86	392	10	9	207	253	17	4	23	1	104
Oshtemo Twp.	791	2	146	643	23	173	191	404	20	4	68	4	210
Parchment	38	0	7	31	0	0	0	38	2	0	2	0	10
Pavilion Twp.	112	0	21	91	0	0	0	112	3	2	48	0	37
Portage	1,491	1	234	1,256	233	48	10	1,200	37	9	170	1	319
Prairie Ronde Twp.	32	0	6	26	0	0	0	32	0	0	15	0	8
Richland	41	0	8	33	0	0	35	6	2	0	3	0	10
Richland Twp.	198	0	31	167	0	0	84	114	8	1	70	0	39
Ross Twp.	98	1	21	76	0	0	46	52	4	0	41	1	32
Schoolcraft	59	1	7	51	0	46	0	13	1	1	1	1	11
Schoolcraft Twp.	156	3	23	130	0	66	0	90	7	1	37	3	33
Texas Twp.	319	0	53	266	108	0	0	211	13	4	47	0	65
Vicksburg	33	0	4	29	0	0	0	33	0	0	2	0	4
Wakeshma Twp.	17	0	4	13	0	0	0	17	2	0	11	0	4
Unknown Community	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**8,296**	**12**	**1,360**	**6,924**	**1,254**	**554**	**1,450**	**5,038**	**282**	**53**	**837**	**14**	**1,838**

Kalamazoo County (continued)

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

Driver Age	2010		2011		2012		2013		2014	
	Total Drivers in Crashes	Total Drivers Coded Drinking	Total Drivers in Crashes	Total Drivers Coded Drinking	Total Drivers in Crashes	Total Drivers Coded Drinking	Total Drivers in Crashes	Total Drivers Coded Drinking	Total Drivers in Crashes	Total Drivers Coded Drinking
0 - 15	30	1	17	0	20	0	22	0	21	0
16 - 20	2,080	31	1,873	33	1,762	31	1,829	35	1,786	22
21 - 24	1,693	71	1,809	91	1,750	78	1,830	75	1,905	57
25 - 64	7,904	185	7,779	166	7,472	186	8,031	183	8,536	183
65 +	1,024	4	1,066	8	1,131	3	1,155	5	1,257	10
Unknown	1,009	5	915	1	1,026	0	1,035	6	1,198	4
Total	**13,740**	**297**	**13,459**	**299**	**13,161**	**298**	**13,902**	**304**	**14,703**	**276**





Kalamazoo County (continued)

2014 - Bodily Alcohol Concentration (BAC) Results Among All Vehicle Drivers in Alcohol-Involved Crashes by Age

Age Group	Drivers				BAC Result Range for Drivers Coded Drinking				
	Total Drivers in Alcohol-Involved Crashes	Total Drivers Tested in all Crashes	Total Drivers Coded Drinking, Tested	Total Drivers Coded Drinking	BAC = 0.00	BAC 0.01 g/dL to 0.07 g/dL	BAC 0.08 g/dL to 0.16 g/dL	BAC 0.17 g/dL and Above	BAC Not Reported
0 - 15	0	0	0	0	0	0	0	0	0
16 - 20	32	29	21	22	0	2	6	8	6
21 - 24	71	61	50	57	1	5	10	21	20
25 - 64	253	208	156	183	1	10	55	49	68
65 +	19	12	9	10	1	0	5	3	1
Unknown	34	3	0	4	0	0	0	0	4
Total	**409**	**313**	**236**	**276**	**3**	**17**	**76**	**81**	**99**

Notes: BAC measured in grams (g) per deciliter (dL).
BAC may not be reported if drivers are not tested or if the results are not available immediately (as in the case of a blood test).
A driver may be coded by the officer as drinking even though no test is administered.

Alcohol-Involved Crashes

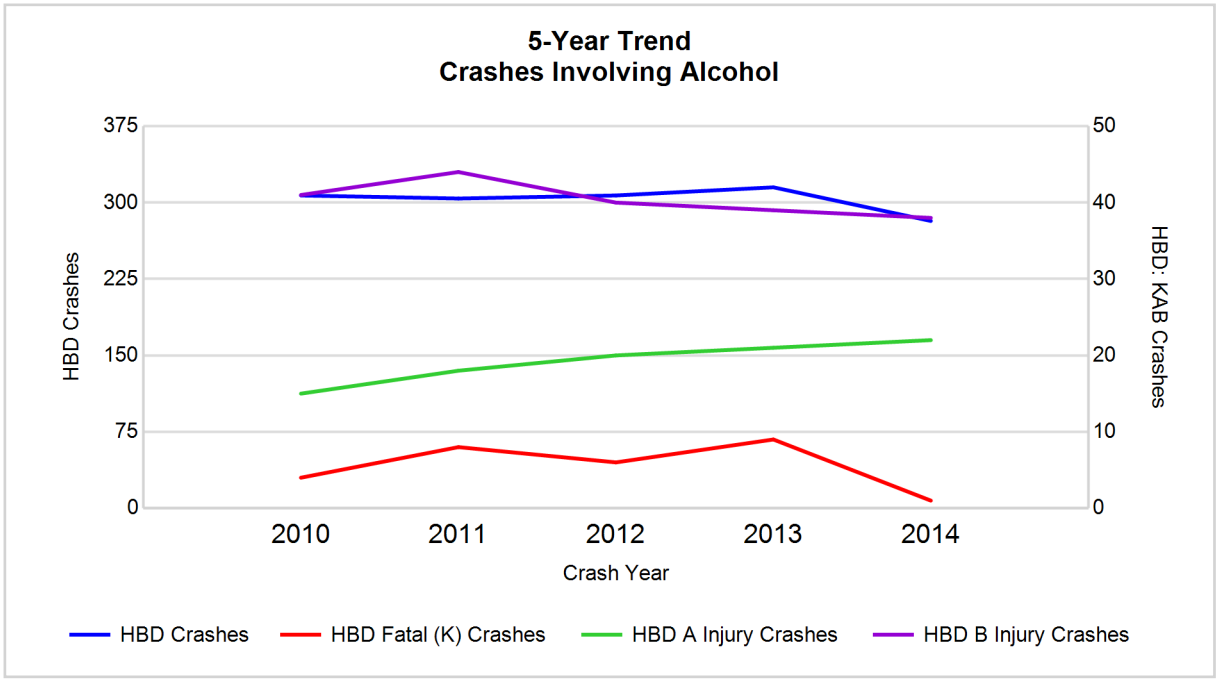
In 2014, there were 409 drivers in alcohol-involved crashes; 276 (67.5%) of those drivers were coded as had-been-drinking by the officer on the crash form.

- 157 (56.9%) of the 276 drivers had a blood alcohol concentration (BAC) of 0.08 g/dL (grams per deciliter) or greater, and 81 (51.6%) of the 157 drivers had a BAC at or above 0.17 g/dL.
- 236 (85.5%) of the 276 drivers were coded as had-been-drinking and were tested for alcohol consumption.

5-Year Trend - Crashes Involving Alcohol

Year	All Crashes	HBD Crashes	% HBD	Fatal Crashes	HBD Fatal Crashes	% HBD	A Injury Crashes	HBD A Injury Crashes	% HBD	B Injury Crashes	HBD B Injury Crashes	% HBD
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
2012	7,547	307	4.1	25	6	24.0	114	20	17.5	308	40	13.0
2013	8,028	315	3.9	33	9	27.3	107	21	19.6	314	39	12.4
2014	8,296**	282*	3.4*	12*	1*	8.3*	123**	22**	17.9	335	38*	11.3*

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



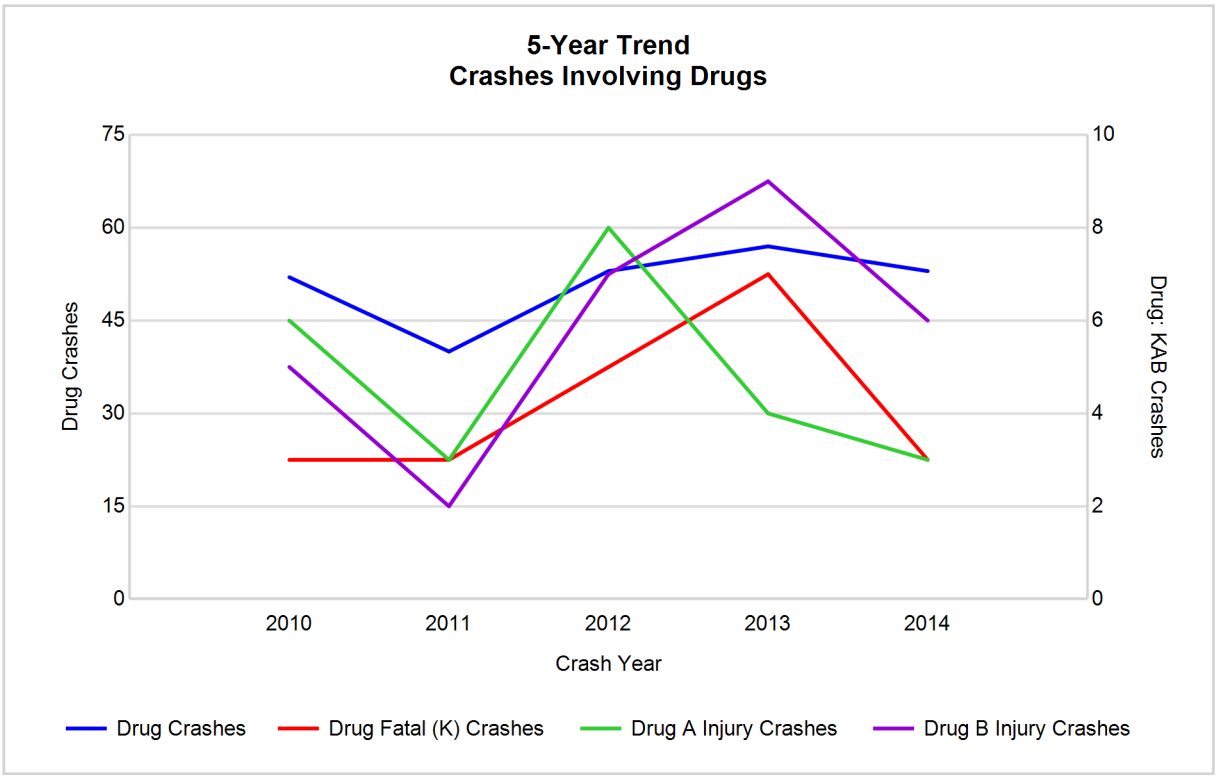
Note: Had-Been-Drinking (HBD)

Kalamazoo County (continued)

5-Year Trend - Crashes Involving Drugs

Year	All Crashes	Drug Crashes	% Drug	Fatal Crashes	Drug Fatal Crashes	% Drug	A Injury Crashes	Drug A Injury Crashes	% Drug	B Injury Crashes	Drug B Injury Crashes	% Drug
2010	7,968	52	0.7	20	3	15.0	100	6	6.0	336	5	1.5
2011	7,800	40	0.5	24	3	12.5	112	3	2.7	295	2	0.7
2012	7,547	53	0.7	25	5	20.0	114	8	7.0	308	7	2.3
2013	8,028	57	0.7	33	7	21.2	107	4	3.7	314	9	2.9
2014	8,296**	53	0.6	12*	3	25.0**	123**	3	2.4*	335	6	1.8

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

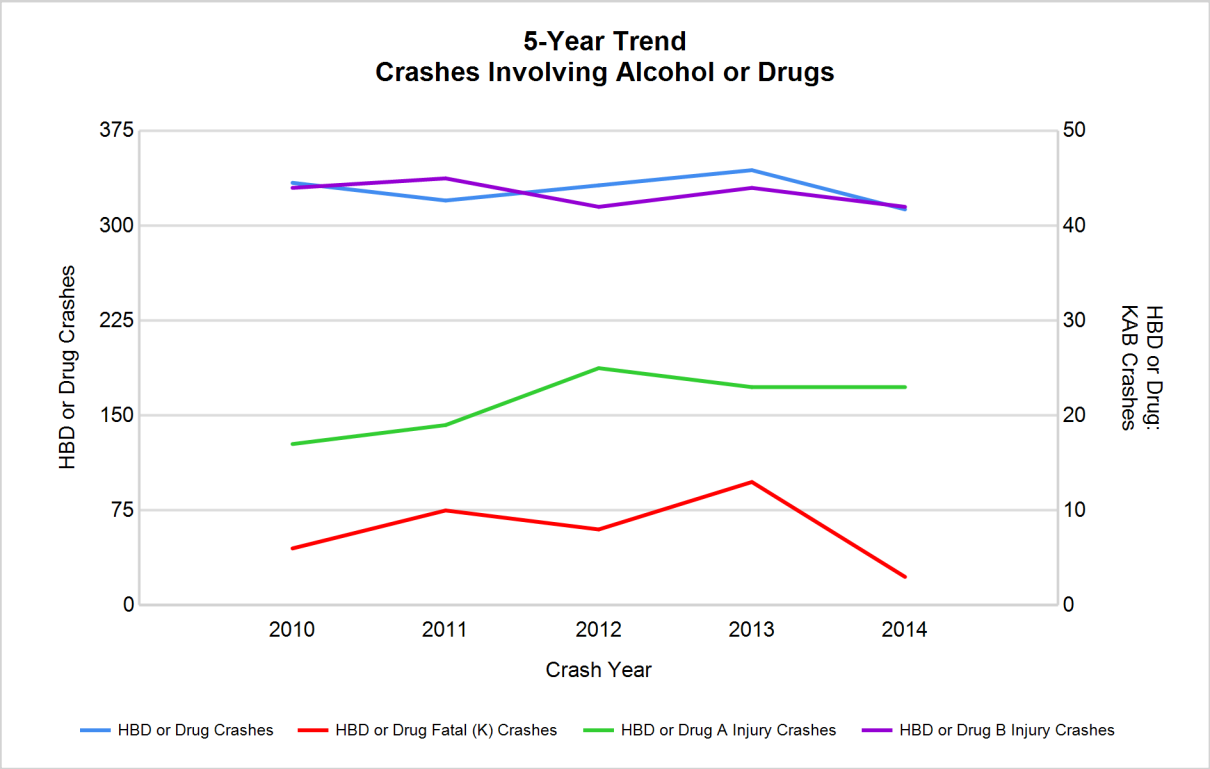


Kalamazoo County (continued)

5-Year Trend - Crashes Involving Alcohol or Drugs

Year	All Crashes	HBD or Drug Crashes	% HBD or Drug	Fatal Crashes	HBD or Drug Fatal Crashes	% HBD or Drug	A Injury Crashes	HBD or Drug A Injury Crashes	% HBD or Drug	B Injury Crashes	HBD or Drug B Injury Crashes	% HBD or Drug
2010	7,968	334	4.2	20	6	30.0	100	17	17.0	336	44	13.1
2011	7,800	320	4.1	24	10	41.7	112	19	17.0	295	45	15.3
2012	7,547	332	4.4	25	8	32.0	114	25	21.9	308	42	13.6
2013	8,028	344	4.3	33	13	39.4	107	23	21.5	314	44	14.0
2014	8,296**	313*	3.8*	12*	3*	25.0*	123**	23	18.7	335	42	12.5*

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



Note: Had-Been-Drinking (HBD)

Kalamazoo County (continued)

2014 - Restraints Worn Among Vehicle Drivers and Injured Passengers by Vehicle Type

Vehicle Type	Total Occupants			Fatalities			A - Incapacitating			B - Non-incapacitating			C - Possible Injury			No Injury		
	Total	Used Restraint	%	Total	Used Restraint	%	Total	Used Restraint	%	Total	Used Restraint	%	Total	Used Restraint	%	Total	Used Restraint	%
Passenger car & station wagon	12,119	10,880	89.8	9	5	55.6	76	57	75.0	286	253	88.5	1,028	964	93.8	10,083	9,594	95.2
Van & motorhome	614	538	87.6	0	0	0.0	5	5	100.0	21	19	90.5	71	69	97.2	487	445	91.4
Pickup truck	1,404	1,249	89.0	0	0	0.0	6	4	66.7	31	27	87.1	89	83	93.3	1,190	1,133	95.2
Small truck under 10,000 lbs. GVWR	157	138	87.9	3	1	33.3	2	1	50.0	3	3	100.0	13	11	84.6	126	122	96.8
Cycle	95	61	64.2	0	0	0.0	24	11	45.8	24	19	79.2	19	13	68.4	26	17	65.4
Moped	19	5	26.3	1	1	100.0	3	0	0.0	7	3	42.9	5	0	0.0	3	1	33.3
Go Cart	2	1	50.0	0	0	0.0	0	0	0.0	1	1	100.0	0	0	0.0	1	0	0.0
Snowmobile	2	1	50.0	0	0	0.0	0	0	0.0	1	1	100.0	0	0	0.0	1	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	36	24	66.7	0	0	0.0	1	0	0.0	0	0	0.0	0	0	0.0	29	24	82.8
Truck/bus over 10,000 lbs.	393	361	91.9	0	0	0.0	0	0	0.0	3	2	66.7	15	10	66.7	363	349	96.1
Unknown	292	4	1.4	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	6	2	33.3
Total	**15,133**	**13,262**	**87.6**	**13**	**7**	**0.0**	**117**	**78**	**66.7**	**377**	**328**	**87.0**	**1,240**	**1,150**	**92.7**	**12,315**	**11,687**	**94.9**

Note: Restraint Use includes shoulder belt only used, lap belt only used, both lap and shoulder belts used, child restraint used, restraint failure, and helmet worn.

2014 - Restraints Worn Among Vehicle Drivers and Injured Passengers by Age

Age Group	Total Occupants			Fatalities			A - Incapacitating			B - Non-incapacitating			C - Possible Injury			No Injury		
	Total	Used Restraint	%	Total	Used Restraint	%	Total	Used Restraint	%	Total	Used Restraint	%	Total	Used Restraint	%	Total	Used Restraint	%
0 - 15	109	95	87.2	1	1	100.0	5	4	80.0	26	23	88.5	57	52	91.2	20	15	75.0
16 - 20	1,862	1,751	94.0	4	0	0.0	14	9	64.3	61	49	80.3	171	155	90.6	1,610	1,537	95.5
21 - 24	1,955	1,850	94.6	3	1	33.3	12	10	83.3	50	43	86.0	137	125	91.2	1,752	1,671	95.4
25 - 64	8,709	8,281	95.1	4	4	100.0	74	46	62.2	203	179	88.2	743	693	93.3	7,680	7,359	95.8
65 +	1,300	1,263	97.2	1	1	100.0	12	9	75.0	35	34	97.1	129	125	96.9	1,123	1,094	97.4
Unknown	1,198	22	1.8	0	0	0.0	0	0	0.0	2	0	0.0	3	0	0.0	130	11	8.5
Total	**15,133**	**13,262**	**87.6**	**13**	**7**	**0.0**	**117**	**78**	**66.7**	**377**	**328**	**87.0**	**1,240**	**1,150**	**92.7**	**12,315**	**11,687**	**94.9**

Note: Restraint Use includes shoulder belt only used, lap belt only used, both lap and shoulder belts used, child restraint used, restraint failure, and helmet worn.

Kalamazoo County (continued)

5-Year Trend - Restraint Use Among Drivers

Restraint Use	2010			2011			2012			2013			2014		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
No belts available	77	1	9	88	0	13	59	1	6	49	0	4	52	0	11
Shoulder belt only used	35	0	5	29	0	2	45	0	0	51	0	7	186	0	6
Lap belt only used	60	0	7	51	1	8	49	0	5	43	0	1	46	0	6
Both lap & shoulder belts used	12,079	5	1,099	11,985	9	1,079	11,481	8	1,031	12,147	9	1,143	12,600	5	1,139
No belts used	76	3	29	72	2	27	73	1	30	75	5	27	80	4	27
Child restraint used	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0
Child restraint not used, unavailable or improper use	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
Restraint failure	5	0	1	4	0	2	8	0	0	0	0	0	2	0	0
Restraint use unknown	417	2	43	322	2	37	387	3	31	487	5	50	535	0	39
Helmet worn	109	3	76	84	3	64	86	5	64	80	2	54	64	1	43
Helmet not worn	14	0	12	12	0	9	46	1	36	29	2	22	38	0	31
Helmet use unknown	3	0	2	2	0	0	5	0	2	4	0	2	4	0	2
Uncoded & errors	865	0	1	807	0	3	922	0	1	937	0	0	1,095	0	3
Total	**13,740**	**14**	**1,284**	**13,459**	**17**	**1,244**	**13,161**	**19**	**1,206**	**13,902**	**23**	**1,310**	**14,703**	**10**	**1,307**

5-Year Trend - Restraint Use Among Drivers Coded Drinking

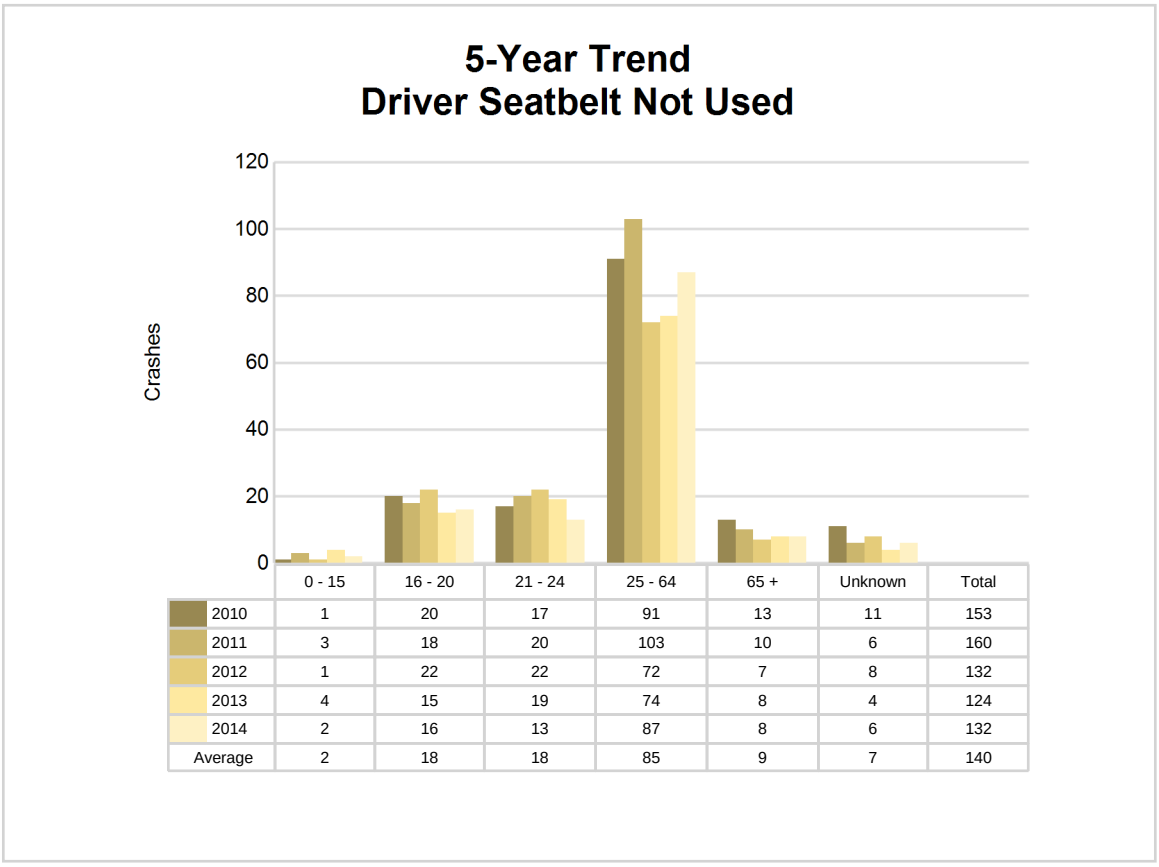
Restraint Use	2010			2011			2012			2013			2014		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
No belts available	1	0	0	5	0	3	3	1	1	1	0	0	1	0	0
Shoulder belt only used	4	0	0	2	0	0	4	0	0	4	0	0	1	0	0
Lap belt only used	1	0	0	4	1	2	1	0	0	1	0	1	1	0	1
Both lap & shoulder belts used	211	0	36	215	3	54	229	2	53	203	1	54	196	0	43
No belts used	11	0	8	11	0	7	13	0	9	17	3	11	19	1	12
Child restraint used	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Child restraint not used, unavailable or improper use	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Restraint failure	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Restraint use unknown	59	1	17	59	1	13	34	0	8	67	2	15	44	0	10
Helmet worn	7	1	6	2	0	2	5	1	4	3	0	2	6	0	6
Helmet not worn	2	0	1	1	0	1	8	0	7	3	1	2	6	0	6
Helmet use unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Uncoded & errors	1	0	0	0	0	0	0	0	0	5	0	0	2	0	0
Total	**297**	**2**	**68**	**299**	**5**	**82**	**298**	**4**	**82**	**304**	**7**	**85**	**276**	**1**	**78**

Kalamazoo County (continued)

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

Age Group	2010			2011			2012			2013			2014		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
0 - 15	1	0	0	3	0	2	1	0	0	4	0	0	2	0	0
16 - 20	20	0	7	18	1	8	22	1	7	15	0	4	16	2	3
21 - 24	17	0	6	20	0	3	22	0	9	19	0	7	13	2	1
25 - 64	91	2	21	103	0	23	72	1	20	74	4	19	87	0	30
65 +	13	2	4	10	1	4	7	0	0	8	1	1	8	0	4
Unknown	11	0	0	6	0	0	8	0	0	4	0	0	6	0	0
Total	**153**	**4**	**38**	**160**	**2**	**40**	**132**	**2**	**36**	**124**	**5**	**31**	**132**	**4**	**38**

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

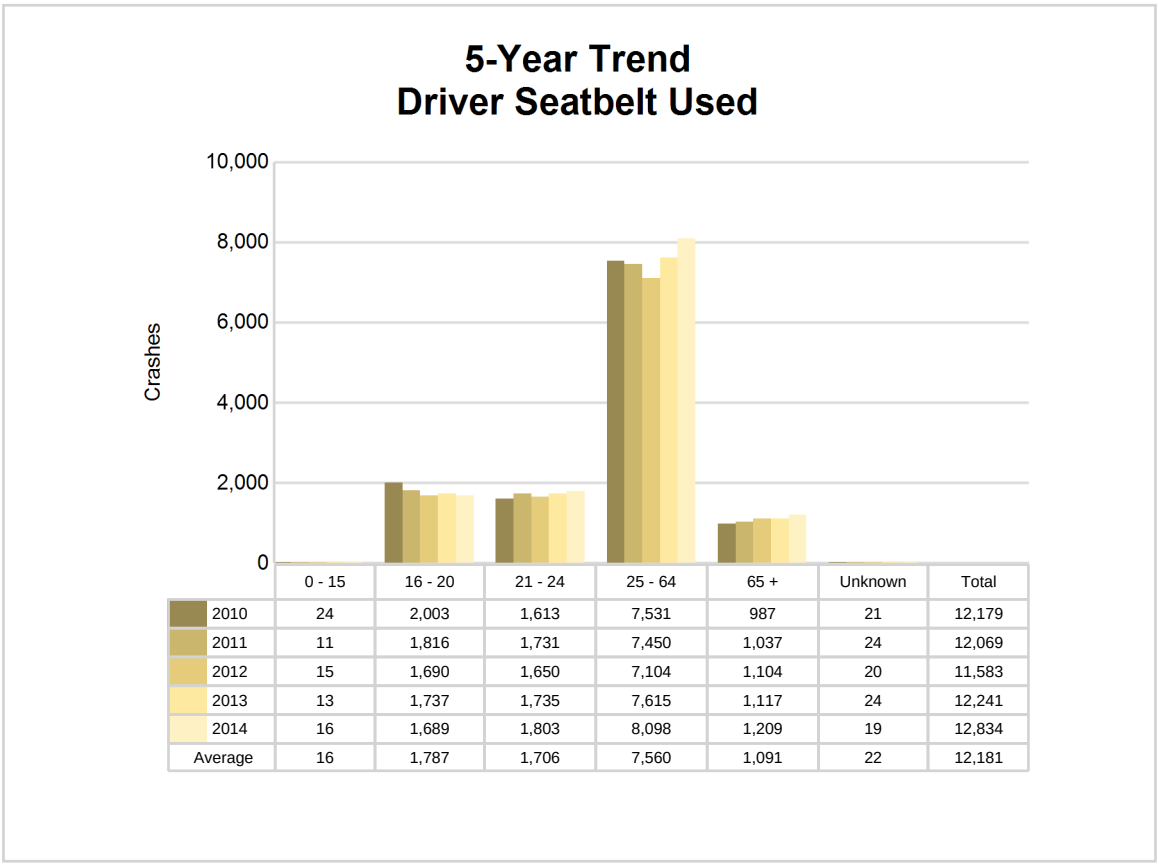


Kalamazoo County (continued)

5-Year Trend - Seatbelt Used Among Drivers by Age

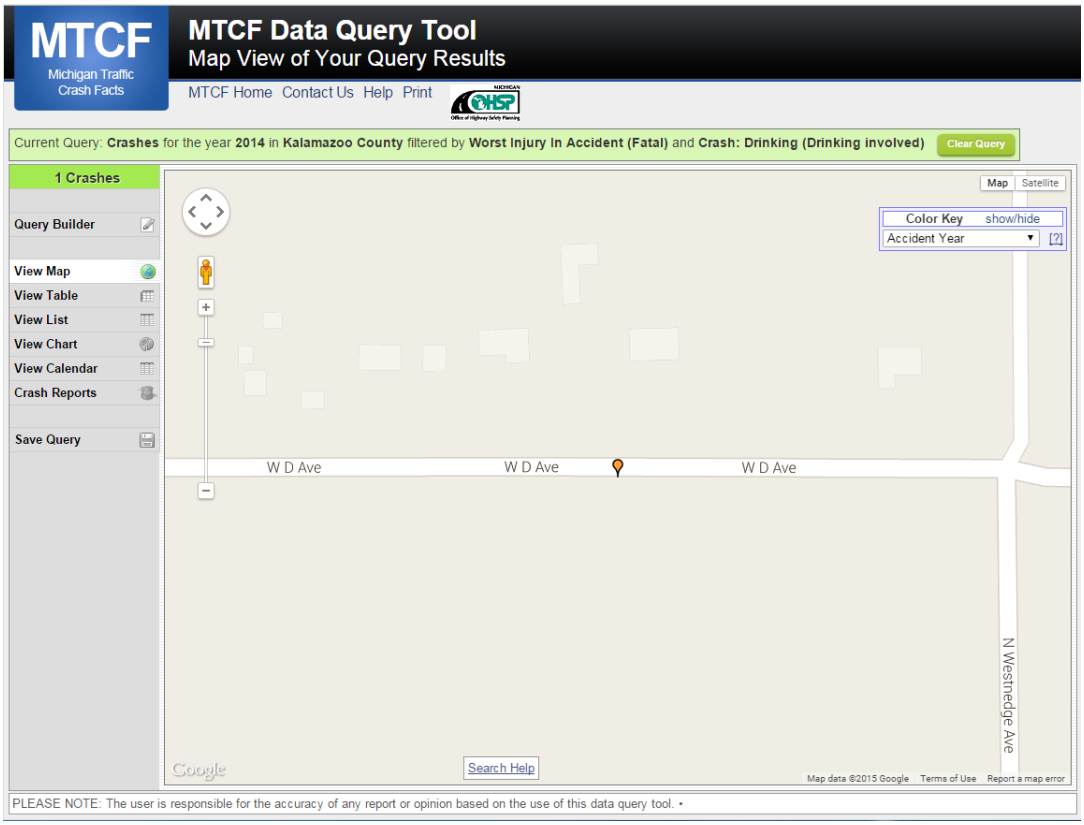
Age Group	2010			2011			2012			2013			2014		
	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers	Drivers	Fatal Drivers	Injured Drivers
0 - 15	24	0	2	11	0	1	15	0	0	13	0	0	16	0	1
16 - 20	2,003	0	172	1,816	0	155	1,690	0	121	1,737	1	145	1,689	0	153
21 - 24	1,613	1	127	1,731	3	136	1,650	2	139	1,735	1	140	1,803	1	132
25 - 64	7,531	3	703	7,450	4	702	7,104	4	650	7,615	4	726	8,098	3	745
65 +	987	1	108	1,037	3	97	1,104	2	125	1,117	3	140	1,209	1	120
Unknown	21	0	0	24	0	0	20	0	1	24	0	0	19	0	0
Total	**12,179**	**5**	**1,112**	**12,069**	**10**	**1,091**	**11,583**	**8**	**1,036**	**12,241**	**9**	**1,151**	**12,834**	**5**	**1,151**

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



	0 - 15	16 - 20	21 - 24	25 - 64	65 +	Unknown	Total
2010	24	2,003	1,613	7,531	987	21	12,179
2011	11	1,816	1,731	7,450	1,037	24	12,069
2012	15	1,690	1,650	7,104	1,104	20	11,583
2013	13	1,737	1,735	7,615	1,117	24	12,241
2014	16	1,689	1,803	8,098	1,209	19	12,834
Average	16	1,787	1,706	7,560	1,091	22	12,181

Kalamazoo County (continued)



The picture above represents all 2014 alcohol-involved fatal crashes in Kalamazoo County.

In 2014, there were 282 alcohol-involved crashes in Kalamazoo County:

1	K - Fatal Crashes
22	A - Incapacitating Injury Crashes
38	B - Non-incapacitating Injury Crashes
52	C - Possible Injury Crashes
169	O - Property Damage Only/No Injury Crashes

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