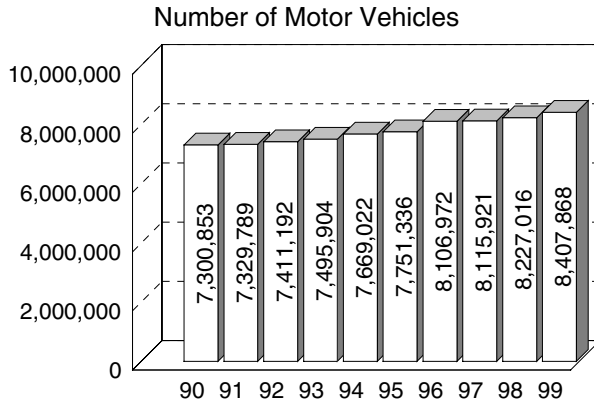


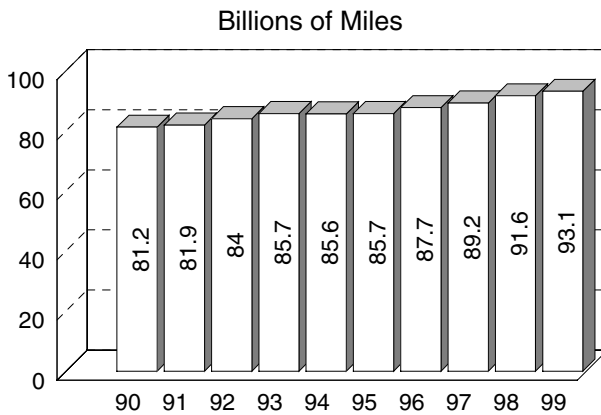
10 YEAR

VEHICLE REGISTRATIONS



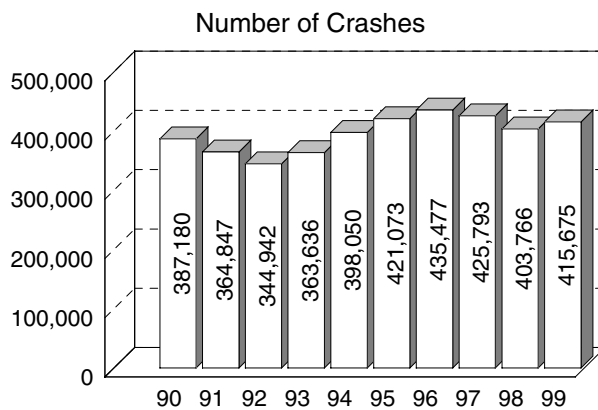
Vehicle Registrations have been increasing steadily since 1990, reaching 8,407,868 in 1999.

VEHICLES MILES TRAVELED



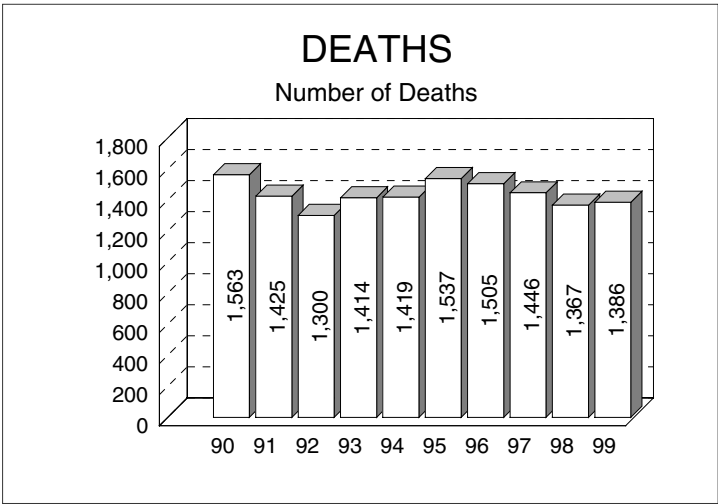
Vehicle miles of travel have increased 14.7 percent since 1990, reaching 93.1 billion miles in 1999.

CRASHES

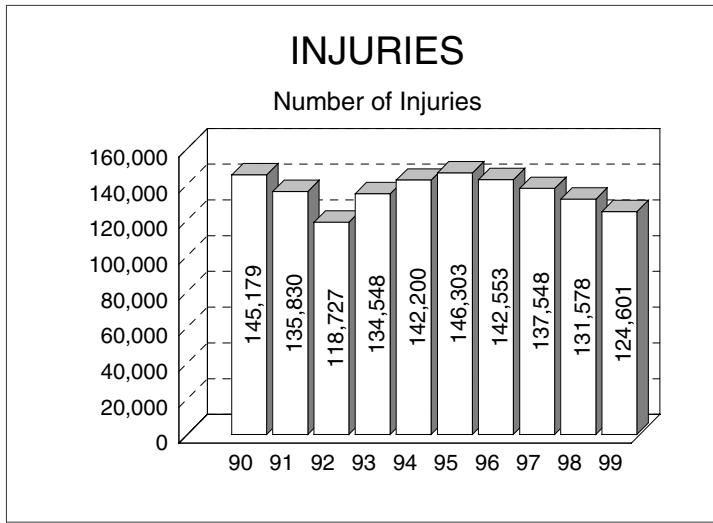


There were 415,675 total crashes statewide in 1999, a 2.9 percent increase from 1998.

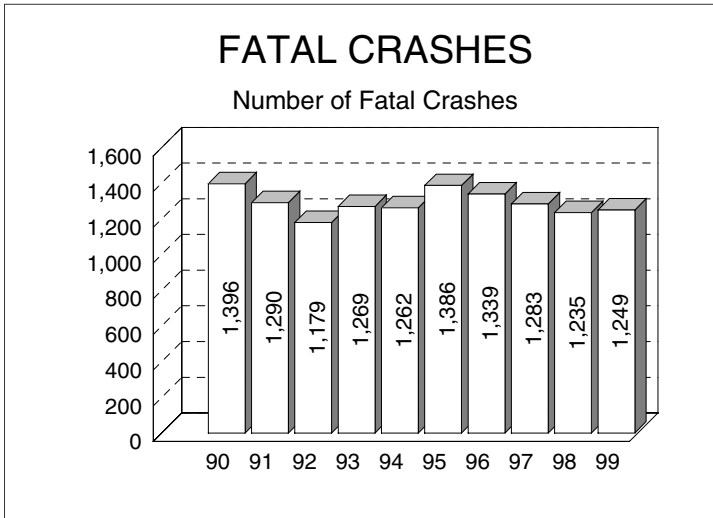
10 YEAR TRENDS (continued)



Number of deaths has remained below the high of 1,563 in 1990. In 1999, 1,386 people died in motor vehicle crashes, an increase of 1.4 percent from 1998.



124,601 people received nonfatal injuries in Michigan motor vehicle crashes in 1999, down 5.3 percent from 131,578 in 1998.

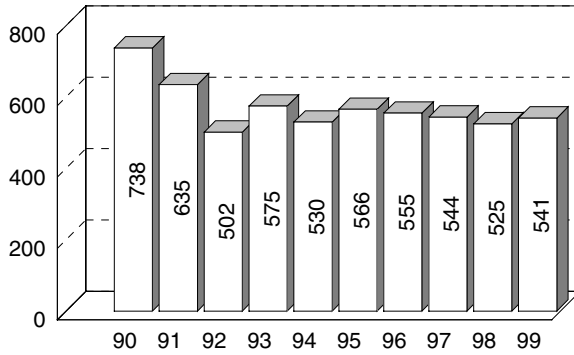


In 1999, there were 1,249 fatal crashes, down 10.5 percent from the high of 1,396 in 1990.

10 YEAR

HBD FATALITIES

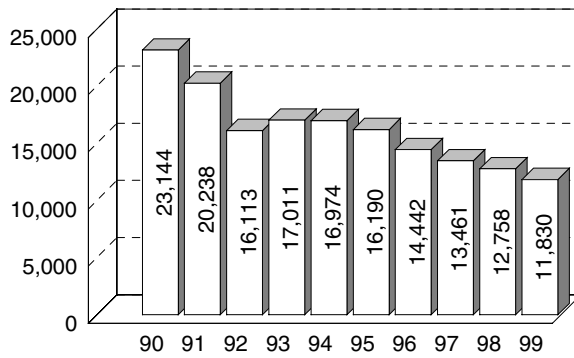
Number of HBD Fatalities



Deaths in alcohol related crashes have decreased over the last ten years. There were 541 HBD fatalities in 1999, down 26.7 percent from 1990.

HBD INJURIES

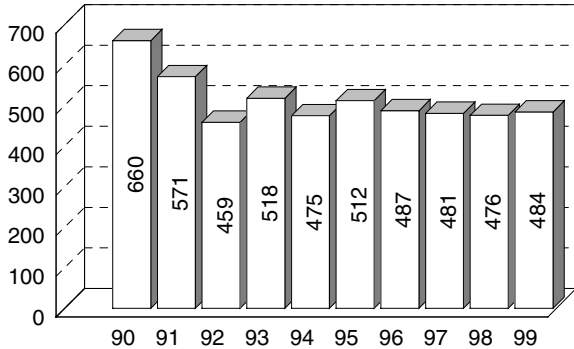
Number of HBD Injuries



Mirroring the trend in deaths, HBD injuries have decreased over the last ten years. There were 11,830 injuries in 1999, down 48.9 percent from 1990.

HBD FATAL CRASHES

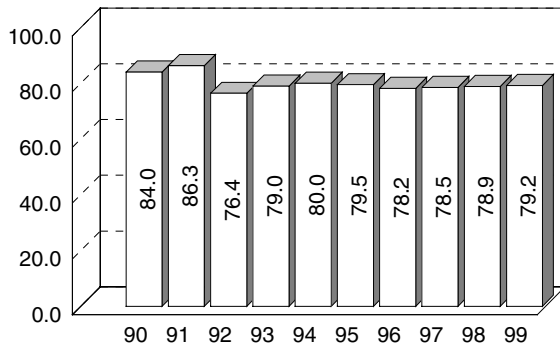
Number of HBD Fatal Crashes



Alcohol involvement in fatal crashes has decreased 26.7 percent since 1990. In 1999, there were 484 HBD fatal crashes, up 1.7 percent from 1998.

RESTRAINT USAGE

Annual Average Percentage of Occupants



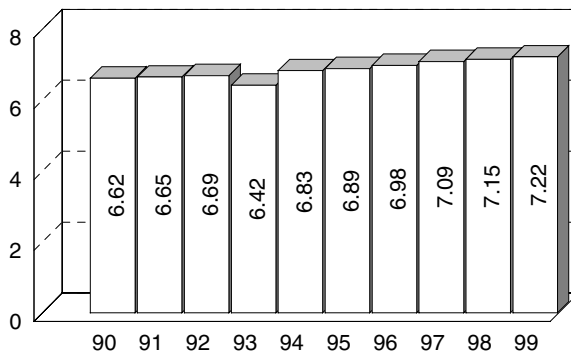
10 YEAR TRENDS (continued)

The percentage of motor vehicle occupants using restraints as reported by police in traffic crashes increased dramatically following implementation of Michigan's safety belt use law in July 1985. The ten-year average percentage is 80.

Note: Please see additional restraint usage information on page 160.

DRIVERS IN MICHIGAN

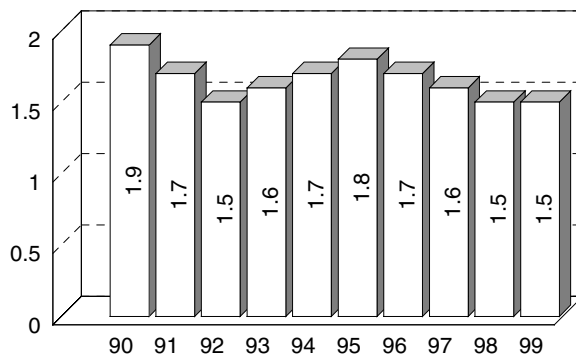
Drivers of Record in Millions



The number of Drivers of Record in Michigan has increased 8.5 percent in the last decade.

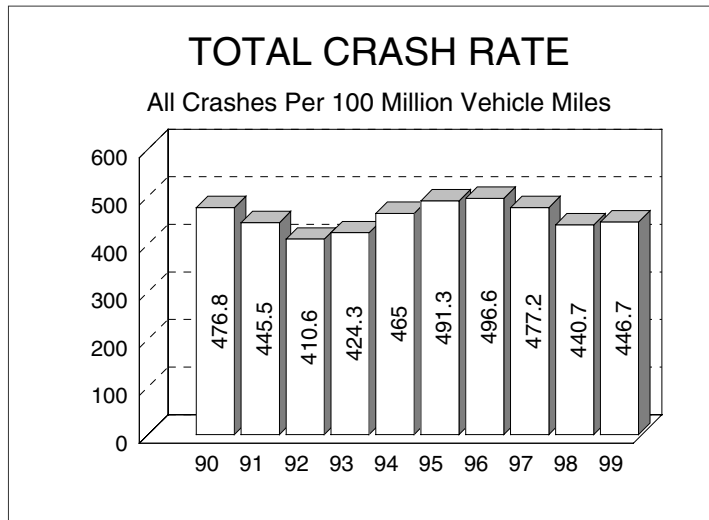
MILEAGE DEATH RATE

Deaths Per 100 Million Vehicle Miles

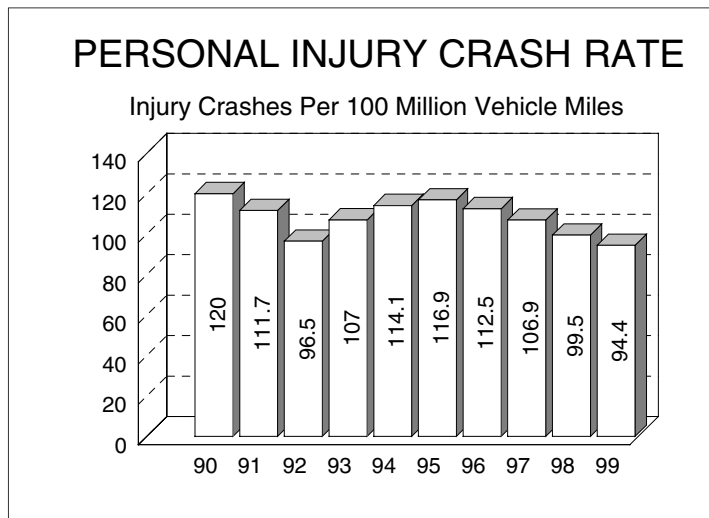


The 1.5 death rate in 1999 is a 21.1 percent decrease from 1990.

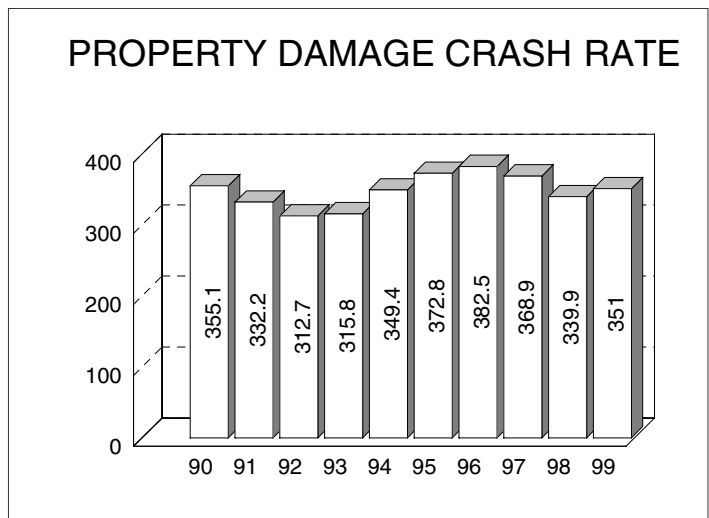
10 YEAR



The 446.7 total crash rate in 1999 is a 1.4 percent increase from 1998, and a 6.3 percent decrease from 1990.



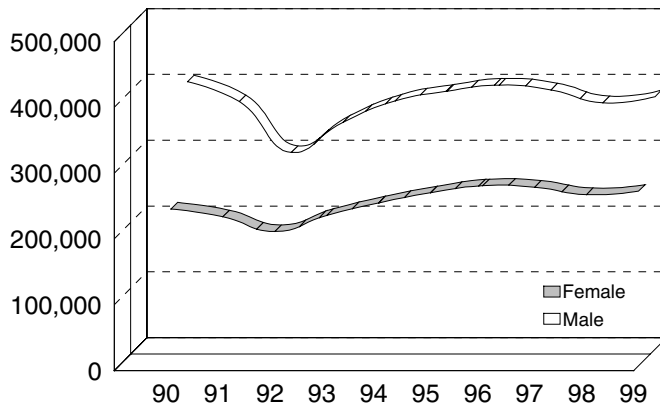
The 94.4 personal injury crash rate in 1999 is a 5.1 percent decrease from 1998, and a 21.3 percent decrease from 1990.



The 351.0 property damage crash rate in 1999 is a 3.3 percent increase from 1998, and a 1.2 percent decrease from 1990.

MALE vs. FEMALE DRIVERS

Number in All Crashes

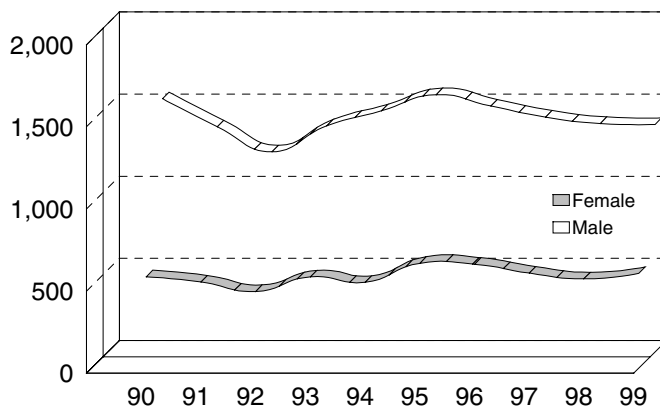


10 YEAR TRENDS (continued)



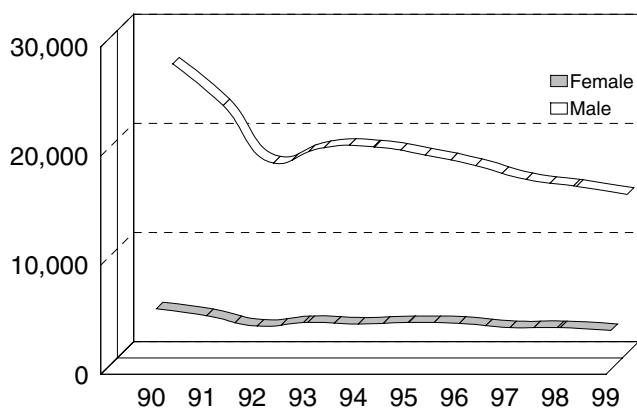
MALE vs. FEMALE DRIVERS

Number in Fatal Crashes



MALE vs. FEMALE DRINKING DRIVERS

Number in All Crashes



10 YEAR

DRIVERS IN ALL CRASHES		
	Male	Female
1990	406,500	238,045
1991	376,157	226,136
1992	299,006	203,795
1993	344,859	228,287
1994	377,212	247,333
1995	392,103	262,577
1996	401,350	273,361
1997	394,044	271,131
1998	374,505	259,843
1999	383,733	264,985

The crash data collection form (UD-10) was changed in 1992. Prior to 1992, drivers whose gender was not identified were coded as male. 9.7% of all drivers were coded as unknown gender in 1999.

DRIVERS IN FATAL CRASHES		
	Male	Female
1990	1,542	558
1991	1,371	526
1992	1,219	468
1993	1,376	557
1994	1,468	524
1995	1,566	640
1996	1,497	634
1997	1,430	580
1998	1,391	545
1999	1,385	578

Male drivers make up 67.2 percent of all drivers in fatal crashes.

Female driver involvement in fatal crashes generally follows overall fatal crash trends.

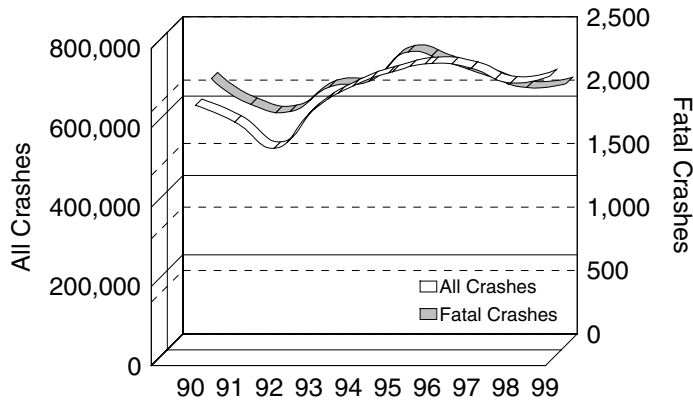
DRINKING DRIVERS IN ALL CRASHES		
	Male	Female
1990	26,498	5,568
1991	22,679	4,930
1992	17,414	3,976
1993	18,831	4,308
1994	18,889	4,163
1995	18,153	4,300
1996	17,186	4,225
1997	15,901	3,842
1998	15,280	3,833
1999	14,541	3,569

Males drivers have always accounted for the majority of all drinking drivers. The number of male drinking drivers decreased 45.1 percent from 1990 to an all time low of 14,541 in 1999.

The number of female drinking drivers decreased to the lowest number of the ten year period, 3,569 in 1999.

ALL DRIVERS

Number in All and Fatal Crashes

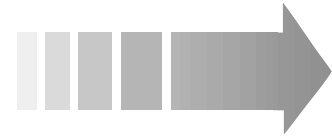
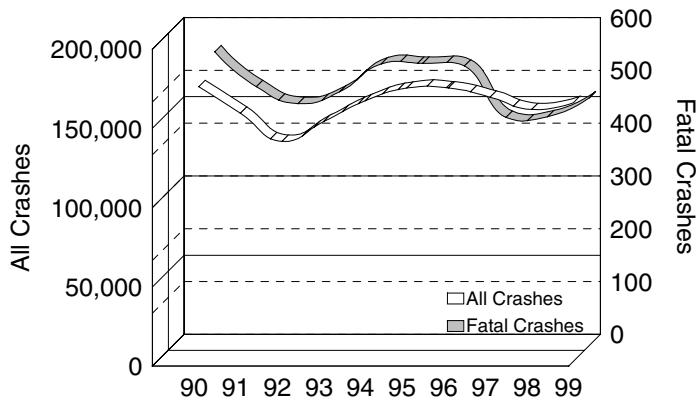


10 YEAR TRENDS (continued)



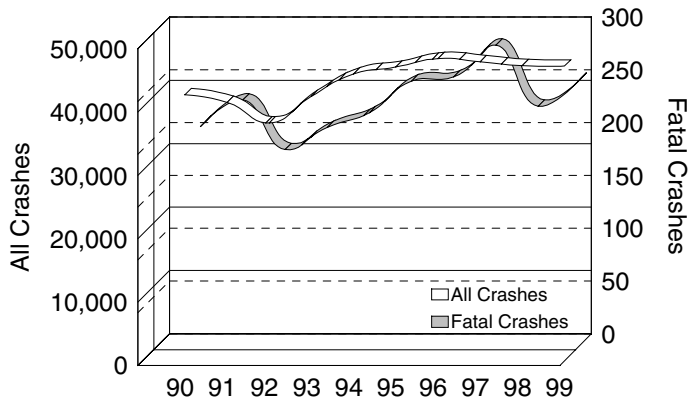
TEEN/YOUNG ADULT DRIVERS

Age 16-24: Number in All and Fatal Crashes



ELDERLY DRIVERS

Age 65-98: Number in All and Fatal Crashes



10 YEAR

ALL DRIVERS		
	All Crashes	Fatal Crashes
1990	644,545	2,100
1991	602,293	1,897
1992	536,279	1,841
1993	633,930	2,035
1994	693,575	2,078
1995	729,050	2,311
1996	750,103	2,226
1997	737,939	2,124
1998	701,056	2,029
1999	718,639	2,061

Driver involvement in all crashes increased 11.5 percent over the ten year period.

Driver involvement in fatal crashes decreased 1.9 percent over the ten year period.

TEEN/YOUNG ADULT DRIVERS		
	All Crashes	Fatal Crashes
1990	173,316	556
1991	156,548	490
1992	138,781	458
1993	151,284	480
1994	164,421	533
1995	172,373	534
1996	172,442	529
1997	166,693	432
1998	158,887	433
1999	163,239	469

Teen/Young Adult Drivers (age 16-24) represent 15.5 percent of the licensed drivers in 1999.

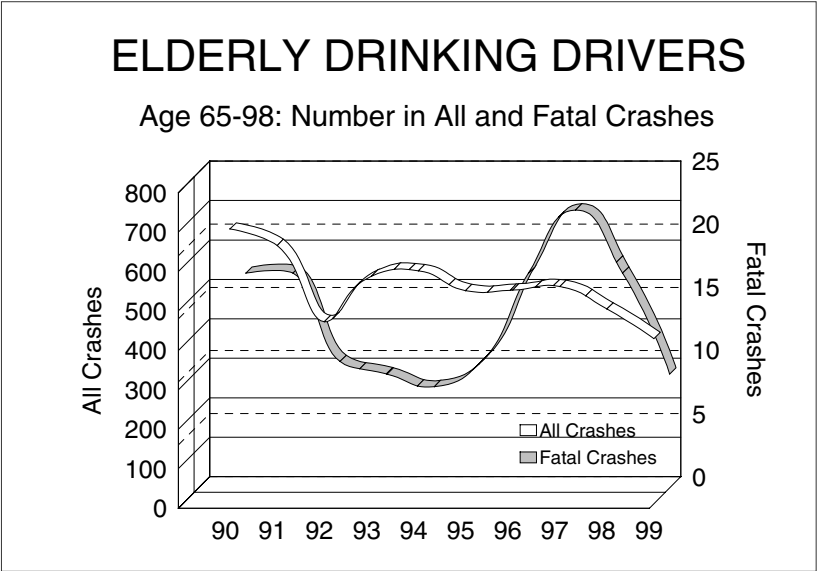
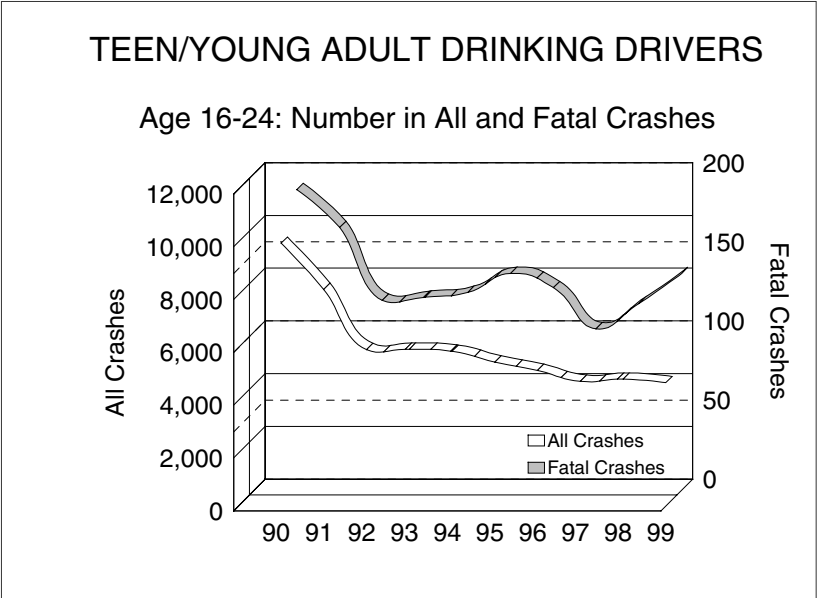
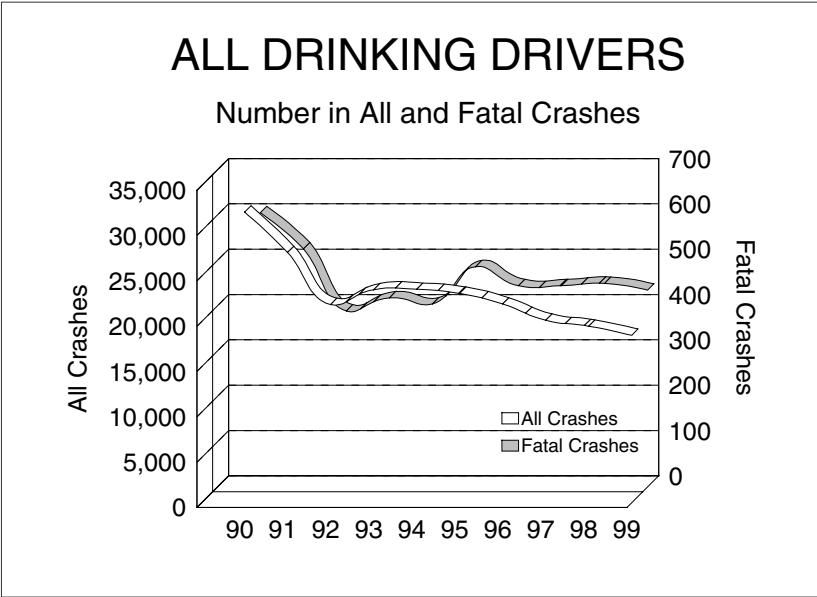
The number of Teen/Young Adult drivers in all crashes has decreased by 5.8 percent since 1990. Their involvement in fatal crashes decreased 15.6 percent during the same time period.

ELDERLY DRIVERS		
	All Crashes	Fatal Crashes
1990	41,992	207
1991	40,795	232
1992	37,539	185
1993	41,753	206
1994	45,280	220
1995	46,371	250
1996	47,695	254
1997	47,190	284
1998	46,582	226
1999	46,519	252

Elderly Drivers (age 65-100) represent 13.3 percent of the licensed drivers in 1999.

The number of drivers age 65 and older in all crashes has increased 10.8 percent since 1990. Their involvement in fatal crashes increased 21.7 percent during the same time period.

10 YEAR TRENDS (continued)



10 YEAR

DRINKING DRIVERS		
	All Crashes	Fatal Crashes
1990	32,066	605
1991	27,609	525
1992	21,879	388
1993	23,500	417
1994	23,546	404
1995	23,097	486
1996	21,919	444
1997	20,139	444
1998	19,483	449
1999	18,469	434

Drinking driver involvement in all crashes decreased 42.4 percent over the ten year period.

Drinking driver involvement in fatal crashes decreased 28.3 percent over the ten year period.

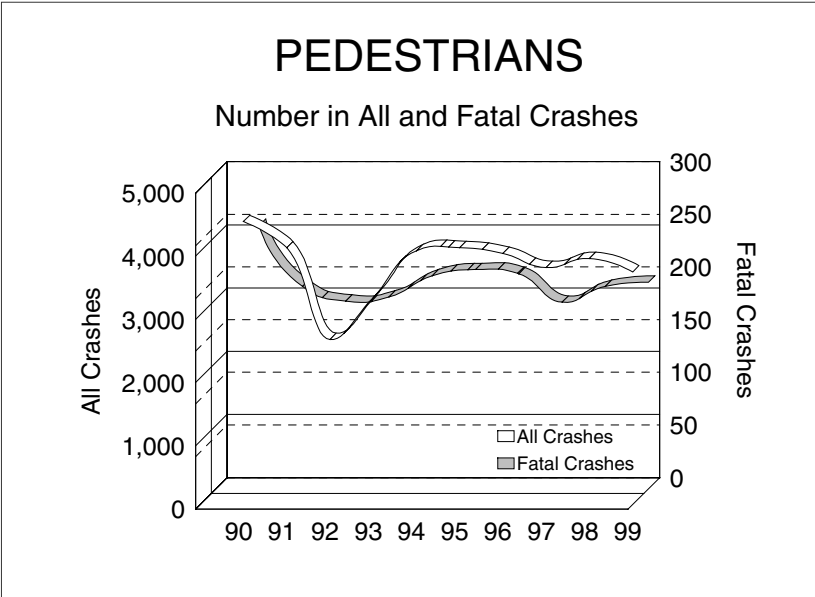
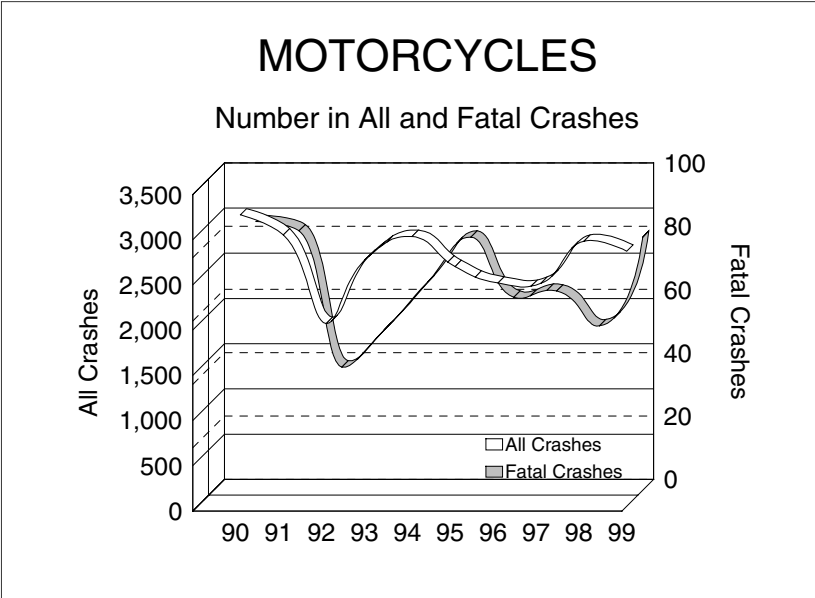
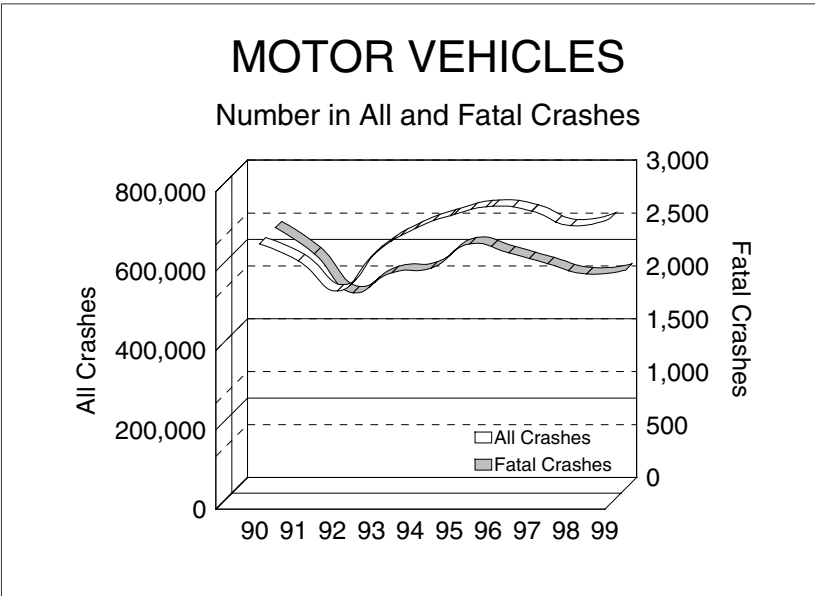
TEEN/YOUNG ADULT DRINKING DRIVERS		
	All Crashes	Fatal Crashes
1990	9,965	190
1991	8,210	166
1992	5,934	120
1993	5,947	122
1994	5,868	125
1995	5,461	137
1996	5,142	128
1997	4,731	102
1998	4,812	118
1999	4,676	137

The number of Teen/Young Adult drinking drivers in all crashes has decreased by 53.1 percent since 1990. Their involvement in fatal crashes decreased 27.9 percent during the same time period.

ELDERLY DRINKING DRIVERS		
	All Crashes	Fatal Crashes
1990	696	17
1991	654	17
1992	461	10
1993	576	9
1994	590	8
1995	540	10
1996	541	17
1997	550	22
1998	493	17
1999	418	9

The number of elderly drinking drivers (age 65-100) in all crashes has decreased 39.9 percent since 1990. Their involvement in fatal crashes has fluctuated over the same time period with a low of 8 in 1994.

10 YEAR TRENDS (continued)



10 YEAR

MOTOR VEHICLES		
	All Crashes	Fatal Crashes
1990	656,750	2,467
1991	613,936	2,220
1992	538,025	1,851
1993	635,711	2,042
1994	695,423	2,084
1995	730,952	2,313
1996	751,804	2,229
1997	739,538	2,126
1998	702,680	2,029
1999	720,393	2,066

There has been a 16.3 percent decline in the number of motor vehicles involved in fatal crashes from 2,467 in 1990 to 2,066 in 1999.

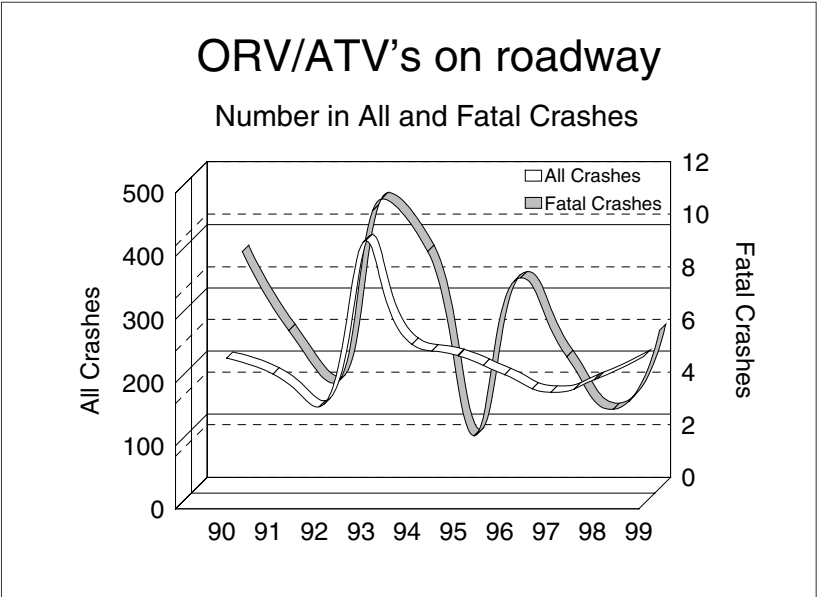
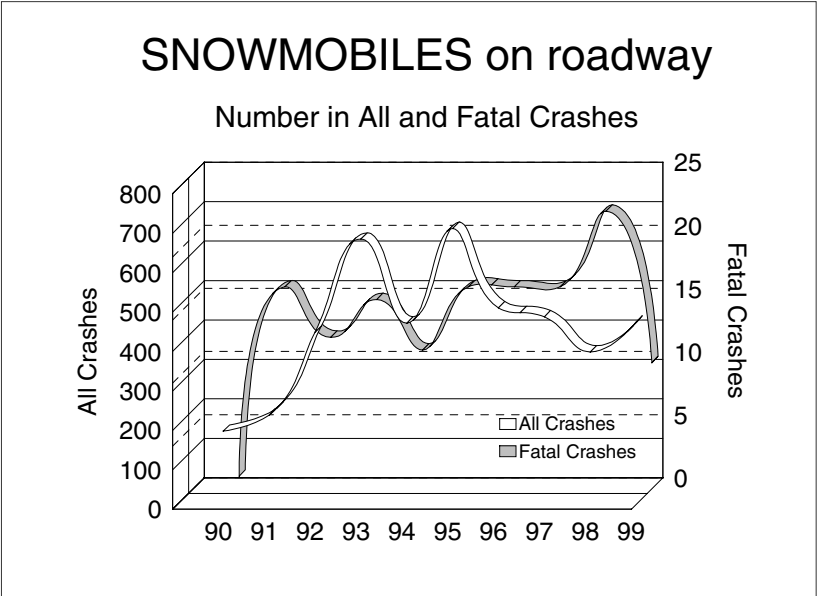
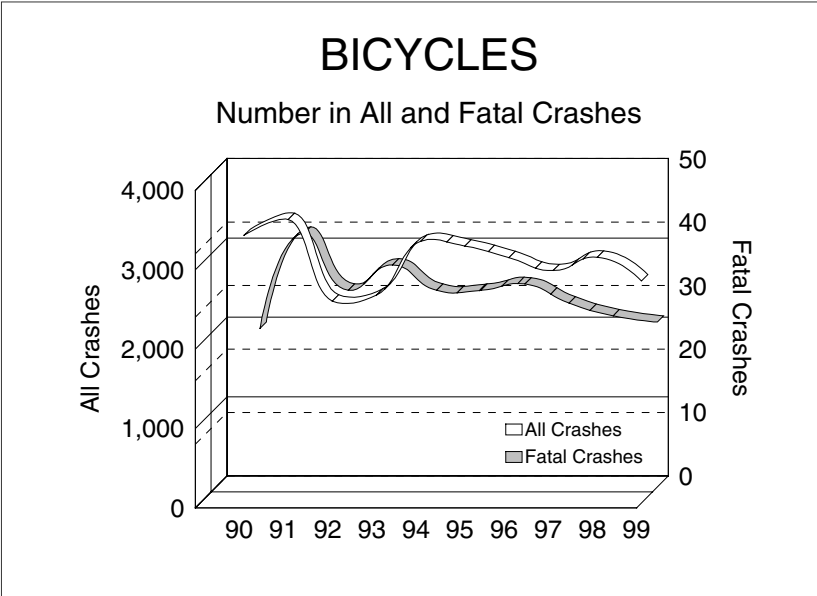
MOTORCYCLES		
	All Crashes	Fatal Crashes
1990	3,222	85
1991	3,001	82
1992	2,022	39
1993	2,768	51
1994	2,982	66
1995	2,651	80
1996	2,468	61
1997	2,465	63
1998	2,931	52
1999	2,820	80

The number of motorcycles involved in fatal crashes decreased by 5.9 percent between 1990 and 1999.

PEDESTRIANS		
	All Crashes	Fatal Crashes
1990	4,476	250
1991	4,061	192
1992	2,609	178
1993	3,275	182
1994	4,014	202
1995	4,064	208
1996	3,971	204
1997	3,749	177
1998	3,891	192
1999	3,677	196

There were 196 pedestrians involved in fatal crashes in 1999, up 10.7 percent from the ten year low of 177 in 1997.

10 YEAR TRENDS (continued)



10 YEAR

BICYCLES		
	All Crashes	Fatal Crashes
1990	3,372	25
1991	3,573	40
1992	2,544	31
1993	2,620	35
1994	3,298	31
1995	3,239	31
1996	3,091	32
1997	2,929	29
1998	3,097	27
1999	2,797	26

There were 26 bicycles involved in fatal crashes in 1999.

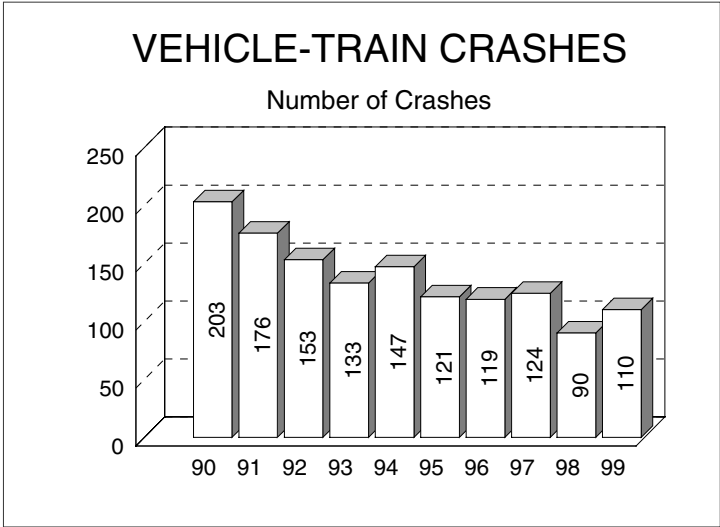
SNOWMOBILES on Michigan roadways		
	All Crashes	Fatal Crashes
1990	186	1
1991	227	16
1992	437	12
1993	673	15
1994	460	11
1995	700	16
1996	499	16
1997	476	16
1998	387	22
1999	463	10

The number of snowmobiles involved in fatal crashes on Michigan public roadways decreased 54.5 percent from the ten year high of 22 in 1998.

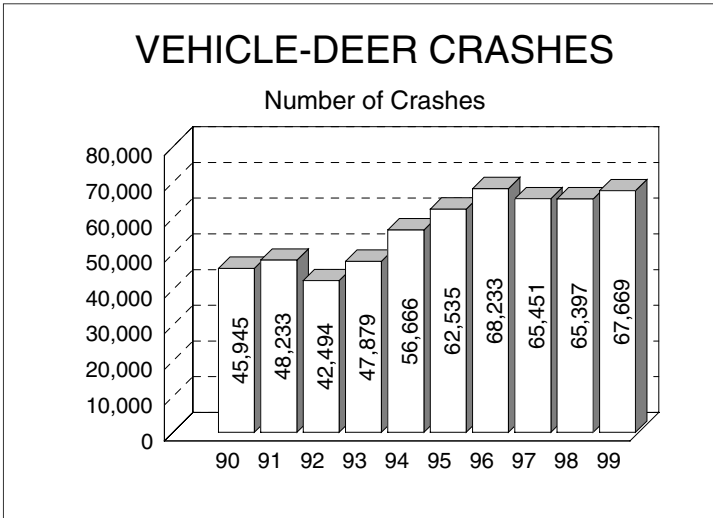
ORV/ATV's on Michigan roadways		
	All Crashes	Fatal Crashes
1990	231	9
1991	206	6
1992	154	4
1993	417	11
1994	253	9
1995	235	2
1996	205	8
1997	177	5
1998	199	3
1999	234	6

ORV/ATV's on Michigan public roadways involved in fatal crashes have fluctuated between a high of 11 in 1993 and a low of 2 in 1995.

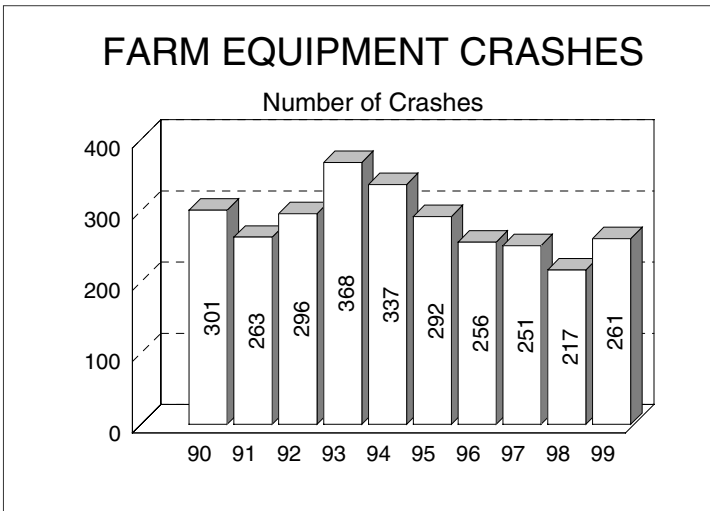
10 YEAR TRENDS (continued)



110 vehicle-train crashes occurred in 1999, a decrease of 45.8 percent in the 10 year period.

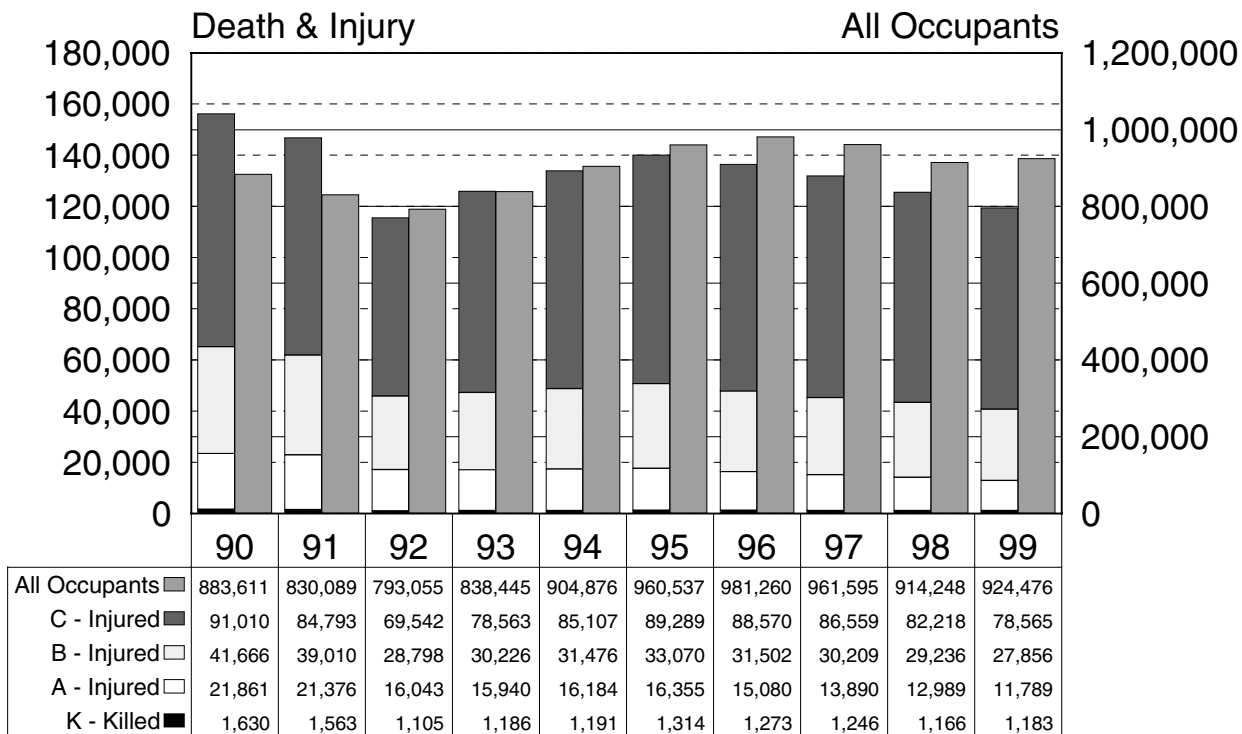


There has been a 47.3 percent rise from 45,945 vehicle-deer crashes in 1990 to 67,669 in 1999.



In 1999, there were 261 farm equipment crashes, down 29.1 percent from the 1993 high of 368.

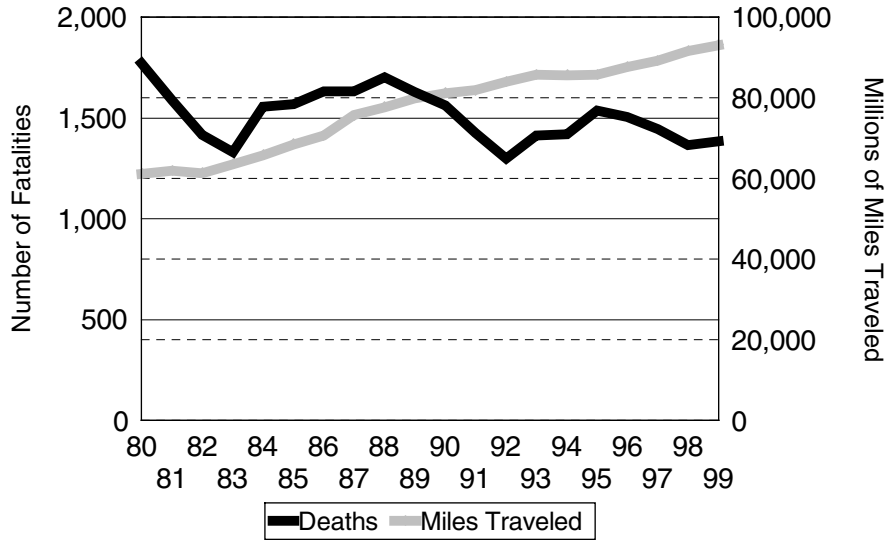
DEATH AND INJURY PER CRASH INVOLVED OCCUPANT



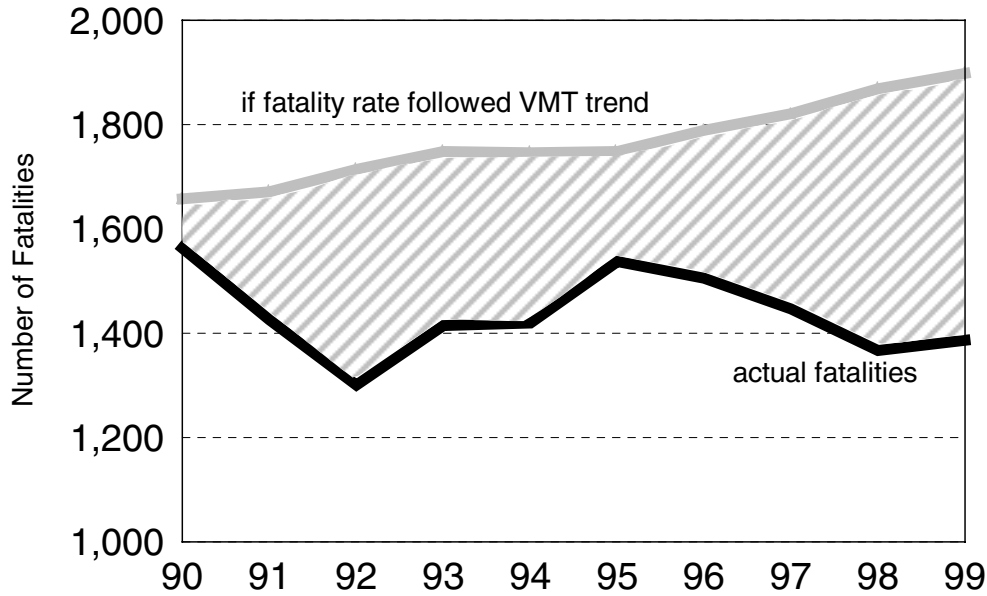
The proportion of death and injury to crash involved occupants has decreased over the last ten years. In 1999, 1,183 occupants of motor vehicles were fatally injured, 11,789 suffered an A (incapacitating) injury, 27,856 sustained a B (nonincapacitating) injury, and 78,565 sustained a C (possible) injury.

10 YEAR

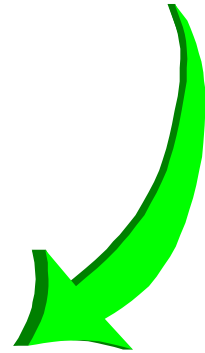
FATALITIES AND VMT TRENDS



10 Year Highlight



In the decade prior to 1989, the number of fatalities had been steadily increasing, following the VMT trend. A dramatic reversal in the fatality rate began in 1989. A projection of losses that would have been incurred if the fatality rate had continued to follow the VMT trend is provided above.

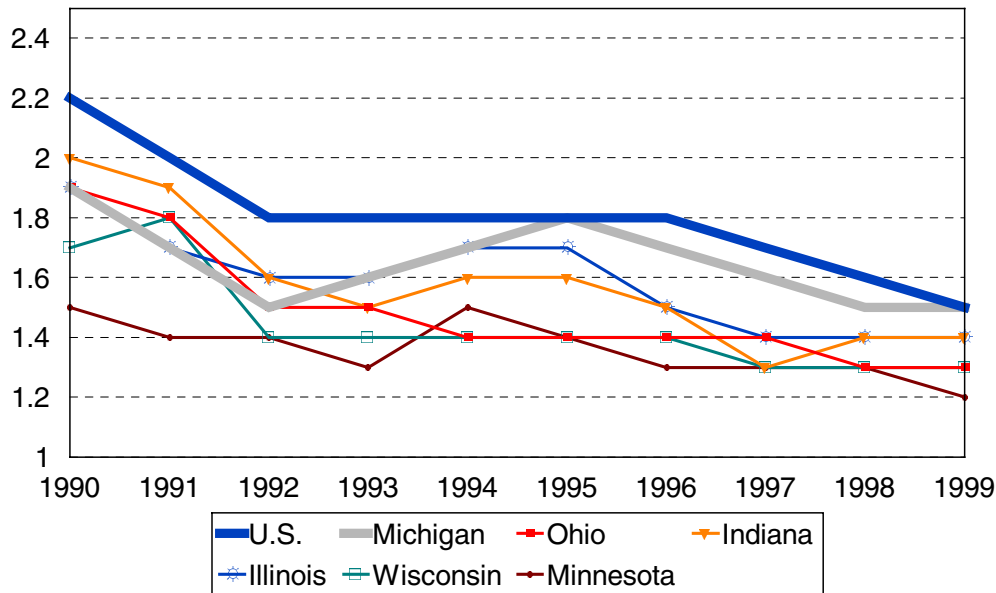




10 YEAR

MILEAGE DEATH RATES 1990 - 1999

Comparison - Michigan to U.S. and Surrounding States



The chart above shows the reduction in mileage death rates (motor vehicle traffic deaths per 100,000,000 vehicle miles) for Michigan, its neighboring states and the U.S. over the last ten years.

	U.S.	Michigan	Ohio	Indiana	Illinois	Wisconsin	Minnesota
1990	2.2	1.9	1.9	2.0	1.9	1.7	1.5
1991	2.0	1.7	1.8	1.9	1.7	1.8	1.4
1992	1.8	1.5	1.5	1.6	1.6	1.4	1.4
1993	1.8	1.6	1.5	1.5	1.6	1.4	1.3
1994	1.8	1.7	1.4	1.6	1.7	1.4	1.5
1995	1.8	1.8	1.4	1.6	1.7	1.4	1.4
1996	1.8	1.7	1.4	1.5	1.5	1.4	1.3
1997	1.7	1.6	1.4	1.3	1.4	1.3	1.3
1998	1.6	1.5	1.3	1.4	1.4	1.3	1.3
1999	1.5	1.5	*1.3	1.4	*1.4	1.3	1.2

* Provisional mileage death rates

U.S. data for this table and tables on the following page were provided by the National Safety Council [3]. State data for this table and tables on the following page were provided by Ohio [4], Indiana [5], Illinois [6], Wisconsin [7], and Minnesota [8].

10 YEAR



MICHIGAN AND SURROUNDING STATES COMPARISON OF FATALITIES AND VMT

Year	U.S. Persons Killed	Michigan Persons Killed	Ohio Persons Killed	Indiana Persons Killed	Illinois Persons Killed	Wisconsin Persons Killed	Minnesota Persons Killed
1990	46,814	1,563	1,637	1,049	1,589	763	568
1991	43,536	1,425	1,635	1,022	1,448	795	531
1992	40,982	1,300	1,440	901	1,384	645	581
1993	41,893	1,414	1,484	901	1,392	703	538
1994	42,700	1,419	1,368	974	1,554	706	644
1995	43,900	1,537	1,357	960	1,586	739	597
1996	43,300	1,505	1,395	982	1,477	759	576
1997	43,200	1,446	1,439	936	1,393	721	600
1998	41,200	1,367	1,423	978	1,393	709	650
1999	41,300	1,386	*1,430	1,017	*1,456	744	626

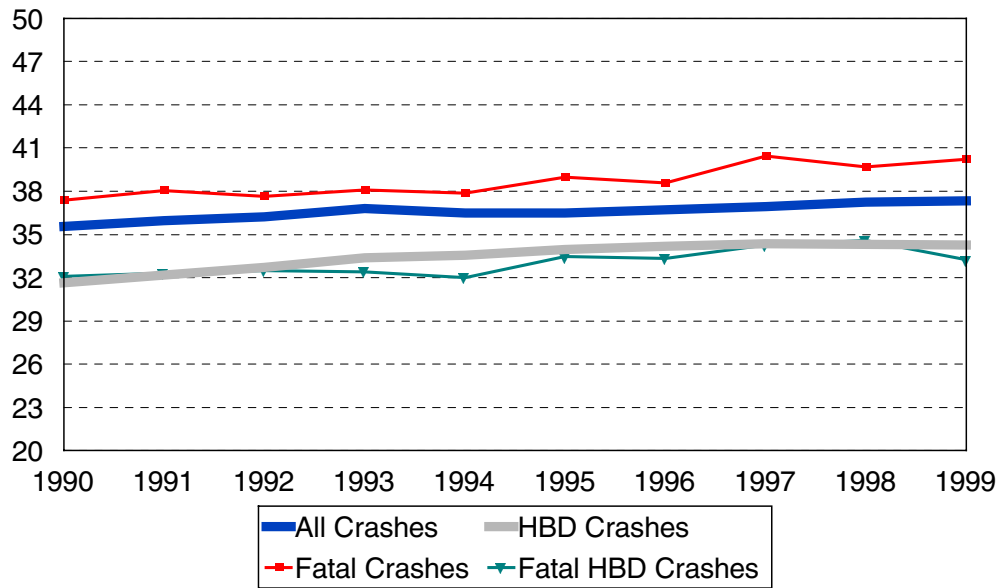
* Provisional fatalities

Year	U.S. VMT	Michigan VMT	Ohio VMT	Indiana VMT	Illinois VMT	Wisconsin VMT	Minnesota VMT
1990	2,148	81.2	88.2	53.7	83.6	44.3	38.8
1991	2,172	81.9	93.0	54.3	85.7	45.5	39.3
1992	2,240	84.0	95.2	57.1	87.9	47.5	41.3
1993	2,289	85.7	97.5	60.5	89.8	48.8	42.3
1994	2,347	85.6	99.0	62.1	92.1	50.3	43.4
1995	2,405	85.7	99.7	62.0	94.3	51.4	44.1
1996	2,467	87.7	102.8	66.0	96.9	52.6	45.2
1997	2,531	89.2	104.8	70.4	98.7	53.7	46.9
1998	2,618	91.6	106.0	70.7	100.9	56.0	48.5
1999	2,679	93.1	106.4	71.5	*101.8	57.0	50.7

* Projected VMT

VMT described in billions of miles

AVERAGE AGE OF DRIVERS IN CRASHES 1990 - 1999

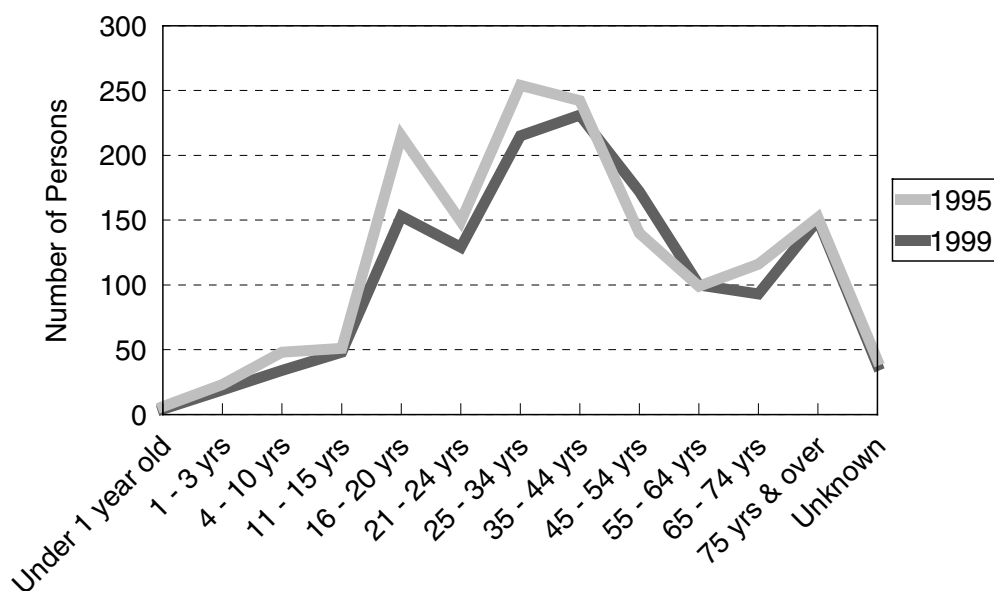


Reflecting the demographic trend of increasing age in the general population, the average age of crash-involved drivers has also increased. An aging driving population has implications for law enforcement prioritizing, highway design, traffic signing considerations, and Emergency Medical System procedures.

TREND DATA FOR FATALITIES

TREND DATA FOR FATALITIES	1995	1996	1997	1998	1999
Age of Persons Killed, Total					
Under 1 year old	6	9	1	3	4
1 - 3 years	23	22	13	14	19
4 - 10 years	48	41	43	44	34
11 - 15 years	51	66	42	46	48
16 - 20 years	215	211	168	171	153
21 - 24 years	149	125	103	117	129
25 - 34 years	254	261	245	219	215
35 - 44 years	242	215	174	213	231
45 - 54 years	140	158	133	166	172
55 - 64 years	99	89	86	99	100
65 - 74 years	116	106	111	99	93
75 years and over	152	157	158	147	150
Unknown	42	45	169	29	38
Totals	1,537	1,505	1,446	1,367	1,386

Age of Persons Killed, Total



The chart above shows the total number of deaths in motor vehicle crashes in Michigan by age, comparing 1995 with 1999.

5

YEAR

TREND DATA FOR FATALITIES	1995	1996	1997	1998	1999
Age of Drivers Involved in Fatal Crashes					
13 years and under	1	2	1	2	2
14 years	4	3	4	2	2
15 years	5	0	7	10	7
16 years	58	55	58	42	37
17 years	62	58	43	53	55
18 years	66	70	72	52	63
19 years	67	59	52	61	59
20 years	61	61	39	54	51
21 - 24 years	220	226	168	171	204
25 - 34 years	466	501	463	410	378
35 - 44 years	442	392	347	374	376
45 - 54 years	260	254	239	261	264
55 - 64 years	146	108	156	149	145
65 - 69 years	58	66	72	58	56
70 - 74 years	63	58	64	52	65
75 - 79 years	65	50	64	55	57
80 - 84 years	37	48	51	39	42
85 - 89 years	22	22	30	16	22
90 years and over	5	10	3	6	10
Unknown	203	183	191	162	166
Totals	2,311	2,226	2,124	2,029	2,061

Age of Drivers Involved in Single Vehicle Fatal Crashes

13 years and under	1	1	0	1	2
14 years	4	0	3	2	2
15 years	3	0	4	4	2
16 years	21	20	23	12	12
17 years	21	19	18	18	21
18 years	20	21	30	19	19
19 years	19	21	14	24	18
20 years	23	22	10	21	21
21 - 24 years	77	79	46	65	72
25 - 34 years	127	128	149	127	118
35 - 44 years	110	104	87	104	108
45 - 54 years	61	49	54	75	73
55 - 64 years	30	29	35	35	24
65 - 69 years	9	17	19	17	12
70 - 74 years	12	12	12	9	9
75 - 79 years	12	16	10	8	9
80 - 84 years	10	11	7	9	4
85 - 89 years	1	2	3	0	6
90 years and over	0	1	2	0	1
Unknown	58	49	35	34	39
Totals	619	601	561	584	572

5 YEAR

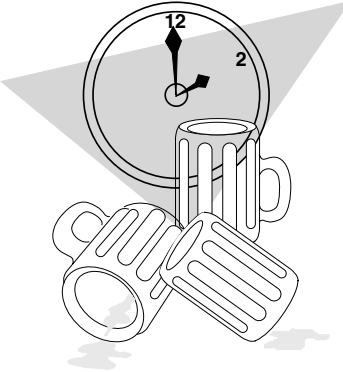
TREND DATA FOR FATALITIES	1995	1996	1997	1998	1999
Age of Bicyclists Killed					
Under 1 year old	0	0	0	0	0
1 - 3 years	0	0	0	0	0
4 - 10 years	6	3	5	6	1
11 - 15 years	7	9	5	5	11
16 - 20 years	2	1	2	0	2
21 - 24 years	3	1	0	1	1
25 - 34 years	3	6	4	4	0
35 - 44 years	3	4	2	5	4
45 - 54 years	0	3	5	3	3
55 - 64 years	2	2	0	0	2
65 - 74 years	1	2	3	1	0
75 years and over	0	1	3	2	1
Unknown	1	0	0	0	0
Totals	28	32	29	27	25

Age of Pedestrians Killed					
Under 1 year old	1	1	0	0	1
1 - 3 years	3	5	1	6	8
4 - 10 years	14	14	16	17	20
11 - 15 years	10	10	9	9	7
16 - 20 years	10	11	10	9	6
21 - 24 years	15	5	8	4	6
25 - 34 years	27	26	27	22	25
35 - 44 years	42	35	32	30	37
45 - 54 years	19	35	26	20	31
55 - 64 years	15	22	6	15	15
65 - 74 years	15	12	17	14	8
75 years and over	12	14	14	25	12
Unknown	7	2	1	1	0
Totals	190	192	167	172	176

Action of Pedestrians Killed					
Crossing at intersection	22	22	14	16	10
Cross not at intersection	64	65	72	80	66
Getting on/off vehicle	1	1	1	1	4
In road with traffic	18	26	19	13	15
In road against traffic	5	1	4	3	9
Standing or lying in road	17	21	13	14	17
Pushing/working on vehicle	4	2	3	1	2
Other working in road	0	1	1	0	0
Playing in road	0	1	3	3	2
In road for other reason	15	15	7	8	12
Not in road	13	10	10	9	20
Other/Unknown	31	27	20	24	19
Totals	190	192	167	172	176

5 YEAR

FATAL CRASHES AND PERSONS KILLED FOR SELECTED HOLIDAY PERIODS IN MICHIGAN

HOLIDAY PERIOD	Fatal Crashes	Persons Killed	SUMMARY 1999
Memorial Day 1999 (3) 15 [9] 1998 (3) 18 [7] 1997 (3) 14 [8] 1996 (3) 10 [7] 1995 (3) 11	17 [10] 21 [8] 16 [9] 11 [7] 12	<p>This table shows traffic death tolls in Michigan for the past five years for the major holiday periods.</p> <p>Based on the <i>total 1999</i> experience, deaths averaged 3.8 per day. Alcohol-related deaths averaged 1.5 per day.</p> <p>Based on the <i>1999 Holiday Period</i> experience, deaths averaged 6.3 per day. Alcohol-related deaths averaged 3.3 per day.</p> 	
Fourth of July 1999 (3) 15 [8] 1998 (3) 15 [9] 1997 (3) 14 [9] 1996 (4) 24 [8] 1995 (4) 19	15 [8] 16 [10] 16 [10] 27 [8] 19		
Labor Day 1999 (3) 18 [12] 1998 (3) 20 [13] 1997 (3) 15 [8] 1996 (3) 21 [15] 1995 (3) 22	21 [14] 22 [13] 19 [10] 27 [20] 30		
Thanksgiving 1999 (4) 20 [9] 1998 (4) 19 [10] 1997 (4) 18 [6] 1996 (4) 18 [8] 1995 (4) 11	22 [9] 22 [10] 20 [6] 23 [8] 12		
Christmas 1999 (3) 12 [6] 1998 (3) 8 [2] 1997 (4) 11 [3] 1996 (1) 4 [0] 1995 (3) 15	16 [6] 8 [2] 13 [3] 6 [0] 16		
New Years 1999 (2) 19 [10] 1998 (3) 12 [2] 1997 (4) 18 [8] 1996 (1) 4 [0] 1995 (3) 13	22 [12] 12 [2] 21 [11] 5 [0] 14		

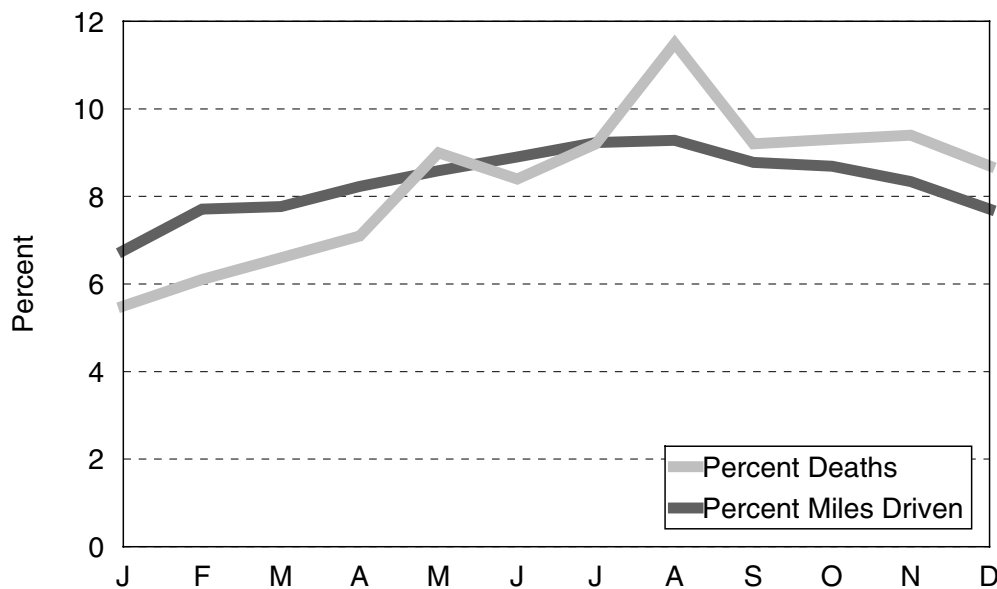
Figures in parentheses in the 1st column show number of full days in each holiday period. Deaths are for these days plus six hours of the preceding day.
Figures in brackets in the 2nd and 3rd columns show the number of alcohol-related fatal crashes and deaths.

5 YEAR

MOTOR VEHICLE DEATHS AND MILEAGE BY MONTH

Month	TRAFFIC DEATHS					1999 PERCENTAGES	
	1995	1996	1997	1998	1999	Percent Deaths	Percent Miles Driven
January	122	131	102	116	76	5.5	6.76
February	90	98	106	71	84	6.1	7.71
March	109	103	85	97	92	6.6	7.77
April	111	98	80	91	98	7.1	8.23
May	118	128	128	113	125	9.0	8.59
June	141	135	140	120	116	8.4	8.90
July	127	146	166	133	128	9.2	9.23
August	159	121	130	116	160	11.5	9.28
September	157	138	128	123	128	9.2	8.78
October	134	135	134	126	129	9.3	8.69
November	136	136	125	117	130	9.4	8.34
December	133	136	122	144	120	8.7	7.71
Totals	1,537	1,505	1,446	1,367	1,386	100.0	100.0

Percent Deaths & Percent Miles Driven



The above chart shows that the *percent deaths* were lower for the months of January, February, March, April and June than for the other months in 1999 when compared to the *percent miles driven*.

1998 - 1999 SUMMARY TRENDS

- Deaths among vehicle occupants (drivers and passengers) increased **0.2** percent.
- Alcohol use was indicated in 484 fatal crashes, an increase of **1.7** percent.
- Persons sustaining "A" level injuries (the most serious) decreased **9.5** percent.

	1998	1999	% CHANGE
NUMBER OF CRASHES			
Property Damage Crashes	311,394	326,606	4.9
Fatal Crashes	1,235	1,249	1.1
Personal Injury Crashes	91,137	87,820	-3.6
Total	403,766	415,675	2.9
ALCOHOL IN FATAL CRASHES			
Had Been Drinking (HBD)	476 (38.5%)	484 (38.8)	1.7
Had Not (HNBD)/Not Known If Drinking	759 (61.5%)	765 (61.2)	0.8
PERSONS IN CRASHES			
Killed and Injured	132,945	125,987	-5.2
Not Injured	541,296	560,035	3.5
Unknown Injury	72,282	74,855	3.6
Total	746,523	760,877	1.9
PERSONS INJURED			
Male	63,503	60,565	-4.6
Female	68,075	64,036	-5.9
Total	131,578	124,601	-5.3
"A" Injury	14,365	13,002	-9.5
"B" Injury	31,707	30,259	-4.6
"C" Injury	85,506	81,340	-4.9
Total	131,578	124,601	-5.3
PERSONS KILLED			
Male	899	909	1.1
Female	468	477	1.9
Total	1,367	1,386	1.4
Drivers	764	764	0.0
Passengers	306	308	0.7
Pedestrians	172	176	2.3
Bicyclists	27	25	-7.4
Motorcyclist	53	77	45.3
Farm Equipment	2	0	-100.0
Train Engineer	0	0	0.0
Snowmobile	21	10	-52.4
ORV/ATV	4	4	0.0
Other/Unknown	18	22	22.2
Total	1,367	1,386	1.4

1

YEAR

MORE MICHIGAN CRASH FACTS

CRASH FACTS	1998	1999	% Change
Deaths	1,367	1,386	1.4
Injuries	131,578	124,601	-5.3
Crashes	403,766	415,675	2.9
Drivers Involved	701,056	718,639	2.5
Vehicles Involved	702,680	720,393	2.5
Fatal Crashes	1,235	1,249	1.1
Estimated MV Mileage Traveled (billions)	91.6	93.1	1.6
Death Rate Per 100 Million Vehicle Miles	1.5	1.5	0.0
Fatal Crash Rate Per 100 Million Veh Miles	1.3	1.3	0.0

Michigan experienced a 1.4 percent increase in traffic fatalities, as well as a 5.3 percent decrease in injuries and a 2.9 percent increase in crashes. Vehicle mileage increased 1.6 percent and the death rate per 100 million vehicle miles remained at 1.5.

Based on provisional numbers, the National Safety Council estimates a national increase in traffic fatalities of 0.2 percent between 1998 (41,200) and 1999 (41,300).



1999 COST OF CRASHES IN MICHIGAN

The cost estimate for Michigan crashes in 1999 is **\$9,598,032,187**. This estimate is based on the National Safety Council's cost estimating procedures. Average comprehensive costs are based on the following figures:

Comprehensive Costs, 1999	
Death	\$3,100,150
Incapacitating injury	\$153,453
Nonincapacitating evident injury	\$39,481
Possible injury	\$18,782
No injury	\$1,787

These cost estimates are not intended for comparisons to previous years.

MOTOR VEHICLE TRAFFIC DEATHS IN MICHIGAN BY MONTH

Revised December 18, 2006

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1948	89	64	92	109	125	118	138	134	150	133	165	195	1,512
1949	101	82	160	91	110	99	116	138	169	144	149	136	1,441
1950	105	84	87	139	122	125	153	152	157	174	154	153	1,605
1951	131	103	103	117	119	137	170	163	158	146	160	133	1,640
1952	81	121	125	94	145	169	140	184	181	152	166	178	1,736
1953	139	116	136	132	134	173	176	183	187	187	167	175	1,905
1954	130	126	100	119	149	132	182	167	168	167	153	200	1,793
1955	134	117	116	160	157	192	169	209	160	204	208	190	2,016
1956	166	136	132	140	133	115	149	159	169	144	145	158	1,746
1957	121	98	118	118	130	122	127	152	123	143	135	161	1,548
1958	94	90	95	89	92	112	120	134	132	113	165	146	1,382
1959	76	69	91	126	126	124	148	128	155	125	144	161	1,473
1960	139	76	102	105	107	133	159	154	137	186	152	154	1,604
1961	105	99	113	138	133	114	141	166	128	139	148	143	1,567
1962	94	70	115	110	123	147	166	175	170	172	118	114	1,574
1963	107	95	124	142	148	173	188	177	163	179	196	195	1,887
1964	170	159	158	144	164	167	217	197	177	199	177	193	2,122
1965	153	113	135	143	156	181	211	220	193	214	172	245	2,136
1966	147	156	179	151	207	204	212	206	203	220	205	208	2,298
1967	130	105	141	162	187	140	210	189	223	230	216	204	2,137
1968	130	147	164	150	240	214	208	233	209	248	283	166	2,392
1969	137	158	173	169	239	236	218	254	230	236	219	218	2,487
1970	167	143	160	141	214	205	197	204	213	217	178	138	2,177
1971	137	124	155	144	187	212	222	227	155	209	202	178	2,152
1972	156	161	155	150	204	209	225	210	225	219	174	170	2,258
1973	187	156	173	140	180	230	225	201	204	209	171	137	2,213
1974	111	112	107	116	144	197	189	178	200	195	201	125	1,875
1975	120	97	112	93	149	169	195	203	190	162	161	160	1,811
1976	118	102	134	150	163	169	196	227	189	171	174	162	1,955
1977	126	87	122	143	184	179	223	194	164	189	181	158	1,950
1978	98	104	128	177	178	203	206	229	214	199	183	157	2,076
1979	102	103	129	152	146	155	190	171	174	187	171	169	1,849
1980	117	131	109	116	153	170	142	183	192	152	133	176	1,774
1981	99	100	108	116	116	155	159	171	149	155	113	148	1,589
1982	98	79	93	91	114	121	154	153	128	144	131	111	1,417
1983	113	94	83	91	91	127	121	117	131	153	115	95	1,331
1984	93	84	104	94	125	143	175	174	135	153	134	142	1,556
1985	108	91	77	133	137	167	146	136	131	135	161	147	1,569
1986	86	77	103	127	131	175	186	176	131	144	159	137	1,632
1987	91	104	99	106	138	165	151	176	149	164	161	128	1,632
1988	129	107	103	104	145	152	175	158	178	159	127	167	1,704
1989	138	102	94	96	123	156	156	177	155	146	123	164	1,630
1990	99	84	122	94	135	151	165	170	141	147	130	125	1,563
1991	103	79	115	106	129	145	130	141	125	129	104	119	1,425
1992	83	81	83	86	100	122	134	119	123	129	120	120	1,300
1993	123	91	89	72	127	103	149	140	131	146	134	109	1,414
1994	106	86	82	116	111	123	126	143	132	133	123	138	1,419
1995	122	90	109	111	118	141	127	159	157	134	136	133	1,537
1996	131	98	103	98	128	135	146	121	138	135	136	136	1,505
1997	102	106	85	80	128	140	166	130	128	134	125	122	1,446
1998	116	71	97	91	113	120	133	116	123	126	117	144	1,367
1999	76	84	92	98	125	116	128	160	128	129	130	120	1,386

MOTOR VEHICLE TRAFFIC CRASH AND RELATED DATA

Year	Deaths	Injuries	Crashes	Estimated Mileage (Millions)	Motor Vehicle Registrations*	Death Rate Per 100 million miles of travel
1948	1,512	40,892	140,172	19,069.2	2,030,685	7.9
1949	1,441	41,197	143,197	19,990.4	2,203,375	7.2
1950	1,605	45,734	161,750	21,494.5	2,439,593	7.5
1951	1,640	48,418	176,587	22,668.1	2,560,652	7.2
1952	1,736	49,119	160,829	23,093.1	2,586,834	7.5
1953	1,905	57,834	184,174	25,346.9	2,808,921	7.5
1954	1,793	56,444	185,534	26,041.2	2,889,740	6.9
1955	2,016	62,234	196,812	28,282.5	3,149,323	7.1
1956	1,746	61,158	197,995	28,429.3	3,173,704	6.1
1957	1,548	60,067	191,915	29,252.2	3,256,150	5.3
1958	1,382	57,767	177,934	29,411.3	3,157,441	4.7
1959	1,473	64,873	198,771	30,679.0	3,252,492	4.8
1960	1,604	91,026	209,724	31,842.4	3,352,234	5.0
1961	1,567	93,350	199,973	32,101.5	3,395,736	4.9
1962	1,574	108,143	233,078	34,498.0	3,498,758	4.6
1963	1,887	126,896	261,794	36,452.2	3,646,080	5.2
1964	2,122	144,623	284,444	38,617.6	3,860,791	5.5
1965	2,136	155,258	310,598	40,857.4	4,066,826	5.2
1966	2,298	156,694	302,880	43,940.1	4,133,199	5.2
1967	2,137	151,297	299,004	45,053.6	4,161,573	4.7
1968	2,392	160,413	305,495	48,047.4	4,327,885	5.0
1969	2,487	175,400	331,223	50,904.9	4,560,097	4.9
1970	2,177	161,719	313,715	53,148.1	4,683,919	4.1
1971	2,152	157,664	314,015	55,539.7	4,835,146	3.9
1972	2,258	178,929	359,745	57,817.1	5,160,985	3.9
1973	2,213	169,485	350,864	58,478.4	5,442,233	3.8
1974	1,875	141,132	324,763	55,748.7	5,652,406	3.4
1975	1,811	147,299	333,560	56,260.5	5,744,441	3.2
1976	1,955	162,894	365,600	61,638.0	5,861,908	3.2
1977	1,950	166,389	374,751	64,853.0	6,138,732	3.0
1978	2,076	169,202	389,193	67,380.0	6,436,365	3.1
1979	1,849	162,571	366,435	64,882.3	6,536,246	2.8
1980	1,774	144,972	314,594	61,190.1	6,570,735	2.9
1981	1,589	136,455	302,831	62,000.0	6,140,286	2.6
1982	1,417	130,061	294,971	61,321.0	6,400,942	2.3
1983	1,331	135,811	300,797	63,560.1	6,443,499	2.1
1984	1,556	150,740	335,193	65,727.0	6,509,192	2.4
1985	1,569	157,417	386,904	68,413.0	6,857,364	2.3
1986	1,632	158,032	400,694	70,622.0	6,952,263	2.3
1987	1,632	156,318	397,224	75,715.0	7,061,339	2.2
1988	1,704	155,713	410,437	77,700.0	7,196,609	2.2
1989	1,630	154,537	417,252	79,900.0	7,233,823	2.0
1990	1,563	145,179	387,180	81,200.0	7,300,853	1.9
1991	1,425	135,830	364,847	81,900.0	7,329,789	1.7
1992	1,300	118,727	344,942	84,000.0	7,411,192	1.5
1993	1,414	134,548	363,636	85,700.0	7,495,904	1.6
1994	1,419	142,200	398,050	85,600.0	7,669,022	1.7
1995	1,537	146,303	421,073	85,699.6	7,751,336	1.8
1996	1,505	142,553	435,477	87,700.0	8,106,972	1.7
1997	1,446	137,548	425,793	89,232.0	8,115,921	1.6
1998	1,367	131,578	403,766	91,616.0	8,227,016	1.5
1999	1,386	124,601	415,675	93,060.3	8,407,868	1.5

* Excludes trailers and trailer coaches