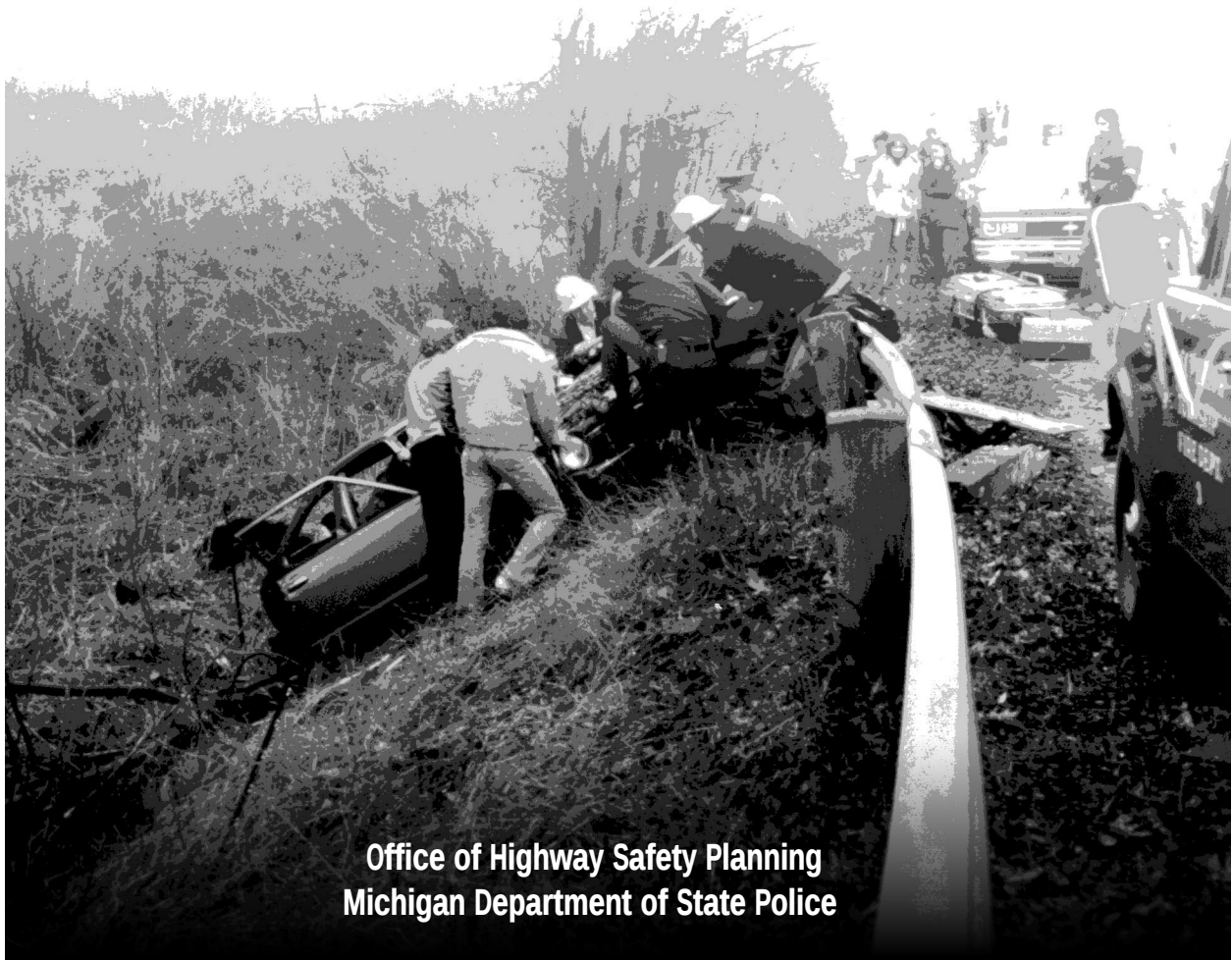


1994

Michigan Traffic Crash Facts



Office of Highway Safety Planning
Michigan Department of State Police

EXECUTIVE SUMMARY

The 1994 traffic fatality count was 1,419, up 0.4 percent from the 1993 figure of 1,414. Compared with 1993, injuries were up 5.7 percent and total crashes were up 9.5 percent. These figures translated into a death rate of 1.7 per 100 million miles of travel, up 6.25 percent from the death rate of 1.6 reported in 1993.

Exposure factors in 1994 showed increases in vehicle registrations and the number of licensed drivers, and a decrease in travel mileage. They included motor vehicle registrations up 2.3 percent to 7.67 million; the number of drivers up 0.3 percent to 7.66 million; and vehicle travel mileage down 0.1 percent to 85.6 billion.

While the consumption of alcohol continues to be a major factor affecting crashes, an estimated 68 percent of fatal crashes do not involve alcohol. Traffic safety planners must not focus exclusively on safety belt use (now at 66.1% [1]) or alcohol involvement (32% of all fatal crashes), but incorporate other factors such as excessive speed, driver fatigue and the lack of "common courtesy" into their efforts to reduce traffic crashes.

Data on crashes in this booklet were obtained from 1994 Michigan Traffic Crash Report Forms (UD-10) submitted by local police departments, sheriff jurisdictions, and the Department of State Police. Other related information was obtained from the Departments of Transportation, State, and Public Health.

This publication was produced for the Office of Highway Safety Planning by the University of Michigan Transportation Research Institute with data on file at the Michigan Department of State Police as of May 1, 1995. We acknowledge, with appreciation, all involved agencies for their assistance.


Col. Michael D. Robinson, Director
Michigan Department of State Police



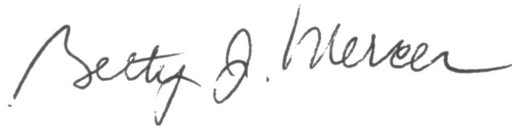
INTRODUCTION

Our goal is to provide the most accurate and timely information we can to as many users as possible. So when we asked, "Are we meeting your needs?" in the 1993 Michigan Traffic Crash Facts, you responded with many excellent suggestions for improvement. We incorporated many of your suggestions in the 1994 edition:

- A copy of the Michigan Traffic Crash Report (UD-10).
- An Abbreviations & Acronyms listing
- An expanded Glossary
- An Historical Information Section comparing Michigan to other NHTSA Region 5 states (Illinois, Indiana, Minnesota, Ohio, and Wisconsin)
- Expanded information on alcohol-related crashes and Car/Deer crashes in the Highlight Section
- Crash rates at intersections by traffic control type, and construction zone crashes in the Crash Section
- Expanded bicycle and pedestrian information in the Vehicle Section
- Information on child restraint use and non-use for injured occupants in the Occupant Section
- Extensive information on Counties & Communities, now in its own section
- A copy of the Michigan Vehicle Code pertaining to the reporting of traffic crashes, and included it the new References Section
- A Subject Index to help you find what you need faster

Unfortunately, not all suggestions could be addressed. For example, we wish we could tell you more about Bodily Alcohol Content (BAC), but BAC information is not collected on the master Crash File.

Your input is greatly appreciated, so please tell us how we're doing, and what you'd like to see in the 1995 edition. Thank you.



Division Director
Office of Highway Safety Planning



UD-10 (FRONT)

UD-10 BACK

ABBREVIATIONS & ACRONYMS

- **BAC** **Bodily Alcohol Content** (formerly referred to as Blood Alcohol Content or Blood Alcohol Concentration). Determination of percent by weight of ethyl alcohol in blood. Usually measured as mg/dl.
- **CJDC** **Criminal Justice Data Center**. A division of the Michigan Department of State Police.
- **FHWA** **Federal Highway Administration**. A part of the United States Department of Transportation.
- **HBD** **Had Been Drinking** and/or under the influence of drugs.
- **HNBD** **Had Not Been Drinking** and/or under the influence of drugs.
- **KABC** Injury severity scale for traffic crash-related injuries: **K - Fatal, A - Incapacitating, B - Nonincapacitating, C - Possible**. See Glossary for definitions.
- **MALI** **Michigan Accident Location Index** (pronounced "MAY-lie")
- **MDOS** **Michigan Department of State**
- **MDOT** **Michigan Department of Transportation** (pronounced "EM-dot")
- **MDPH** **Michigan Department of Public Health**
- **NHTSA** **National Highway Traffic Safety Administration** (pronounced "NIT-zah"). A part of the United States Department of Transportation.
- **OHSP** **Office of Highway Safety Planning**. A division of the Michigan Department of State Police.
- **OUIL** **Operating Under the Influence of Liquor**. More serious of the drinking and driving violations in Michigan. Refers to driving with blood alcohol level of 0.10 percent or more.
- **OWI** **Operating While Impaired**. Less serious of the drinking and driving violations in Michigan. refers to driving with blood alcohol concentration levels of 0.08 or 0.09 percent.
- **PDO** **Property Damage Only**. Refers to a traffic crash lacking personal injuries.
- **UD-10** Form number ascribed to *Michigan Traffic Crash Report* form, official document used to report traffic crashes in Michigan.
- **UMTRI** **University of Michigan Transportation Research Institute** (pronounced "UM-tree")
- **USDOT** **United States Department of Transportation**
- **VMT** **Vehicle Miles Traveled** The estimated total number of miles traveled annually by motor vehicles on Michigan trafficways.

GLOSSARY

- **Crash Rate** - The number of crashes per 100 million vehicle miles traveled.
- **Crash Type** - A crash is typed by the first injury or damage producing event, which may or may not be the most serious or significant event.
- **Death Rate** - Deaths per 100 million vehicle miles.
- **Driver/Operator** - The person who is in actual physical control of a vehicle in transit.
- **Fatal Crash** - A fatality is counted when a person dies due to injuries from a traffic crash. Prior to 1979 deaths were counted if they occurred up to one year after the crash, in 1979 this time period was reduced to 90 days. In 1988 this was further reduced to 30 days.
- **Had Been Drinking (HBD) Crash** - Drinking and/or drug use prior to the crash by a driver, pedestrian, or cyclist as reported by the police, the coroner, or other accepted authorities.
- **Injury Severity**
 - K (Fatal)** - Any injury that results in death.
 - A (Incapacitating Injury)** - Any injury, other than a fatal injury, that prevents the injured person from walking, driving or normally continuing the activities the person was capable of performing before the injury occurred.
 - B (Nonincapacitating Injury)** - Any injury not incapacitating but evident to observers at the scene of the crash in which the injury occurred.
 - C (Possible Injury)** - Any injury reported or claimed that is not a fatal injury, incapacitating injury or nonincapacitating injury.
- **In Transport** - Denotes a motor vehicle in motion or on a roadway.
- **Most Severe Outcome in Crash** - The most severe injury sustained by any person involved in the crash, or property damage only.
- **Most Severe Outcome in Vehicle** - The most severe injury sustained by any person in the vehicle, or property damage only.
- **Motor Vehicle Crash** - A crash that involves a motor vehicle in transport on a public trafficway (in Michigan) and results in injury, death or at least \$400.00 in property damage.
NOTE: Snowmobile data includes crashes that occur in areas designated as nontraffic (not on public roadways) with a value of \$100.00 as a reporting threshold.
- **Noncollision** - A crash that does not involve a collision with another motor vehicle. Types of noncollision crashes include; explosion or fire in vehicle, rollover, immersion, etc.
- **Occupant** - Any person in or on a motor vehicle, this includes the driver.
- **Property Damage Only (PDO) Crash** - A crash that results in no fatalities or injuries, with a value of \$400.00 as a reporting threshold.
- **Traffic Unit** - Anything in transit on a public trafficway (i.e., motor vehicle, motorcycle, bicycle, pedestrian, snowmobile, farm equipment).
- **Transition Area** - Increase or decrease in the number or travel lanes.
- **“Zero Tolerance”** - Law which began November 1, 1994, making it illegal for any person in Michigan under the age of 21 to consume alcohol in the presence of a law enforcement officer, or to have a BAC of 0.02 percent or more. Sometimes referred to as Michigan’s “Point Oh Two” law.

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Quick Facts & Figures

1994

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1994 QUICK FACTS

- Some exposure factor comparisons between 1994 and 1993 show motor vehicle registrations rose **2.3** percent, number of drivers increased **0.3** percent, and vehicle mileage decreased **0.1** percent.
- The 1994 death rate rose to **1.7** deaths per 100 million miles of travel. Although it is an increase over the 1993 death rate of **1.6**, it is the same as the five-year average of **1.7** (1990-1994), and below the ten-year average of **1.9** (1985-1994).
- There were **398,050** reported crashes of which **1,262** were fatal type, **97,696** were personal injury type, and **299,092** were property damage only type crashes.
- A traffic crash was reported every **1** minute, **19** seconds.
- Of all fatal crashes, **31.2** percent occurred at intersections.
- Of those fatal crashes where the drinking condition was determined, **32.0** percent indicated that alcohol was a factor.
- In the last five years, **7,121** persons have been killed in Michigan traffic crashes. This is an average of **1,424** per year. During the previous five-year period, **7,332** persons were killed for an average of **1,466** per year.
- Of the **9,496,147** persons living in Michigan [2] one out of every **6,692** was killed in a traffic crash; one out of every **67** persons was injured.
- There were **1,419** persons killed and **142,200** persons injured in **398,050** reported motor vehicle traffic crashes in Michigan during 1994. Compared with 1993 experience, deaths increased **0.4** percent, injuries increased **5.7** percent, and total reported crashes showed a **9.5** percent increase.
- This year's death toll of **1,419** was up **0.4** percent from the 1993 figure of **1,414**.
- The **1,419** persons killed were the result of **1,262** fatal crashes for an average of **1.12** deaths per fatal crash.
- One person was killed every **6** hours, **10** minutes as a result of a traffic crash.
- For each person killed there were **100.2** persons injured.
- There were **142,200** persons injured, crippled, or maimed in crashes.
- One person was injured every **5** minutes, **23** seconds in a traffic crash in Michigan in 1994.
- Excessive speed was indicated as the hazardous action by **15.5** percent of the drivers involved in fatal crashes.
- Of the **2,046** drivers involved in fatal crashes, **12.8** percent were under 20 years of age and **26.5** percent of all drivers involved in fatal crashes were under 25 years of age.
- The pedestrian death toll for Michigan stands at **182** persons. This represents an increase of **11** deaths over the 1993 figure.
- For each pedestrian killed, there were **19.2** pedestrians injured.

- Of the pedestrians killed, **36.3** percent were killed while crossing streets other than at intersections.
- Of all pedestrians killed, **26.4** percent were under the age of 20 years and **29.1** percent were 55 and older.
- During the past five years, a total of **929** pedestrians have been killed, an average of **186** per year.
- Of the **693,586** drivers and injured passengers involved in crashes, **555,081** or **80** percent were *reported* to have been using occupant restraints. Restraint usage among fatal victims was reported to be **36.3** percent in 1994.
- Motor vehicle occupants age 55 to 64 had the highest restraint use (**91.1%**) of any other age group.
- Children under the age of **15** accounted for **58.6** percent of the bicycle deaths.
- The economic loss in Michigan traffic crashes amounted to **\$12,393,774,717**.

1994

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1994

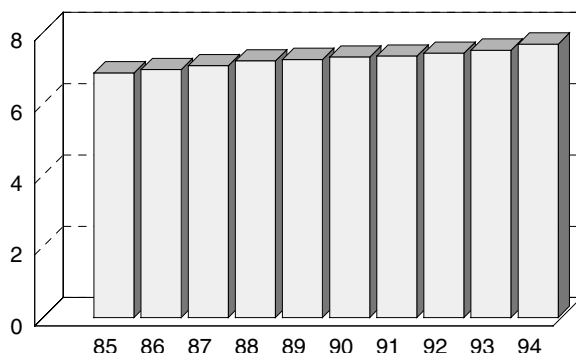
1994

**Historical
Information**

10 YEAR

VEHICLE REGISTRATIONS

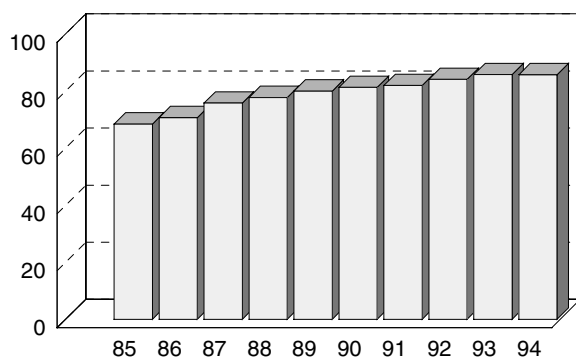
Millions of Motor Vehicles



Vehicle Registrations have been increasing steadily since 1985, reaching 7,669,022 in 1994.

VEHICLES MILES TRAVELED

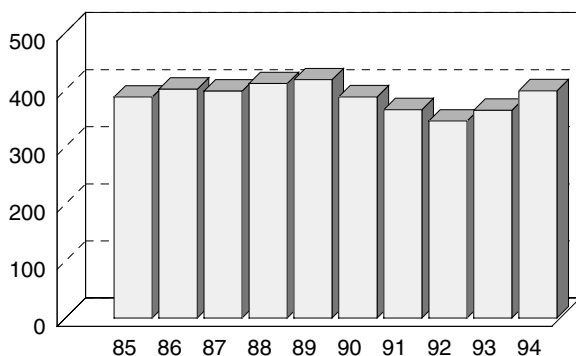
Billions of Miles



Vehicle miles of travel have increased about 25.1 percent since 1985, reaching 85.6 billion miles in 1994.

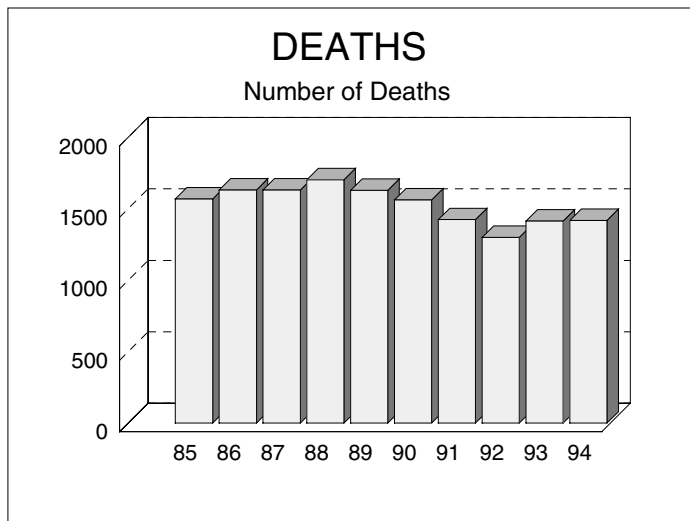
CRASHES

Thousands of Crashes

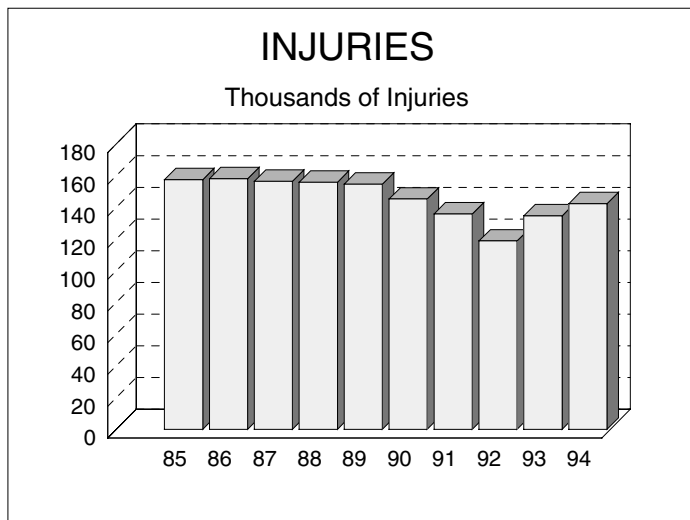


Total crashes increased from 1985, peaking in 1989. Annually since 1989, total number of crashes has remained below 400,000. In 1994, there were 398,050 total crashes statewide.

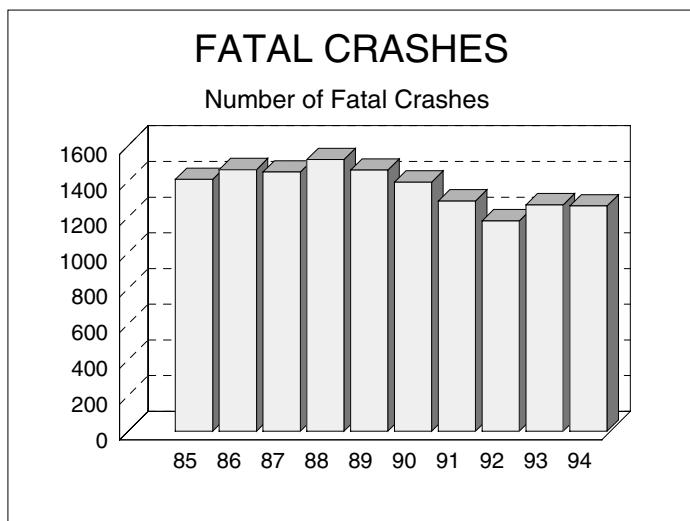
10 YEAR TRENDS (continued)



Deaths in motor vehicle crashes increased for the first time in five years in 1993 after a steady decline from 1988 with a low of 1,300 in 1992. In 1994, 1,419 people died in motor vehicle crashes.



Mirroring the trend in deaths, nonfatal injuries had declined since 1986, with a low in 1992. 142,200 people received nonfatal injuries in Michigan motor vehicle crashes in 1994, up 5.7 percent from 1993.

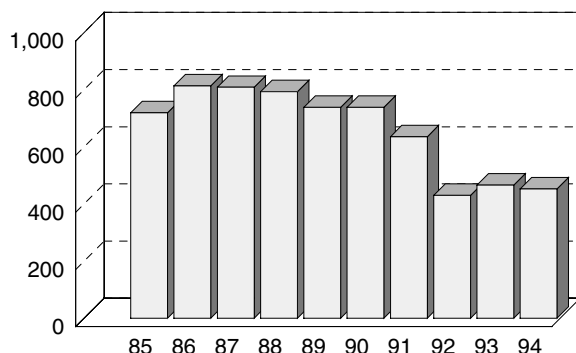


After reaching a peak in 1988, fatal crashes have declined. In 1994, there were 1,262 fatal crashes, down 0.6 percent from 1993.

10 YEAR

HBD FATALITIES

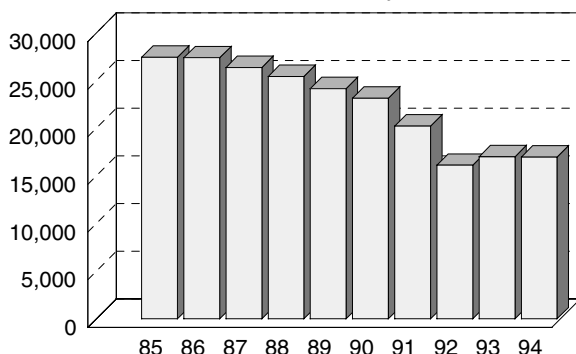
Number of HBD Fatalities



Deaths in alcohol related crashes have decreased 44.4 percent since 1986. There were 452 HBD fatalities in 1994, down 3.1 percent from 1993.

HBD INJURIES

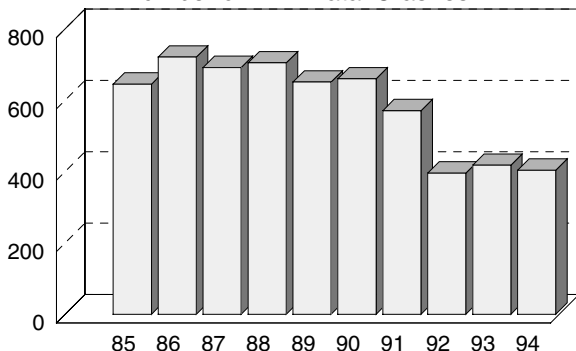
Thousands of HBD Injuries



Mirroring the trend in deaths, HBD injuries have decreased 38.1 percent since 1985. There were 16,794 injuries in 1994, down 0.2 percent from 1993.

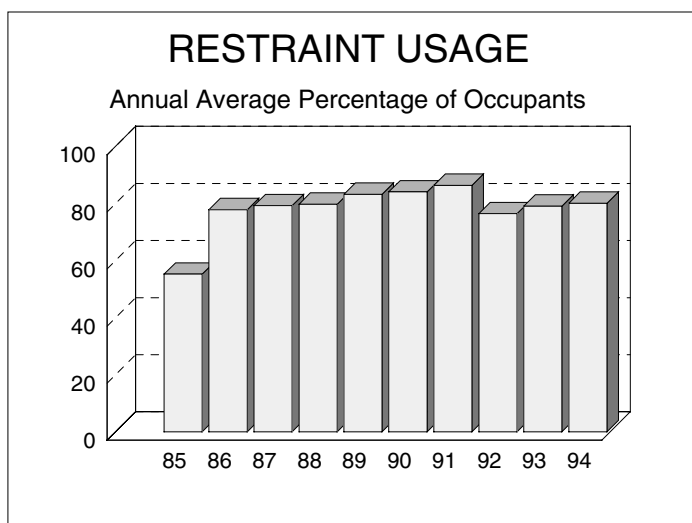
HBD FATAL CRASHES

Number of HBD Fatal Crashes

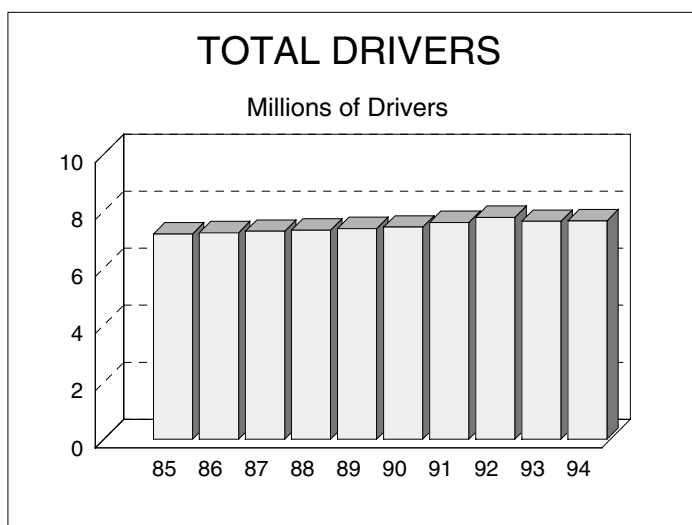


Alcohol involvement in fatal crashes has decreased 44 percent since 1986. In 1994, there were 404 HBD fatal crashes, down 3.4 percent from 1993.

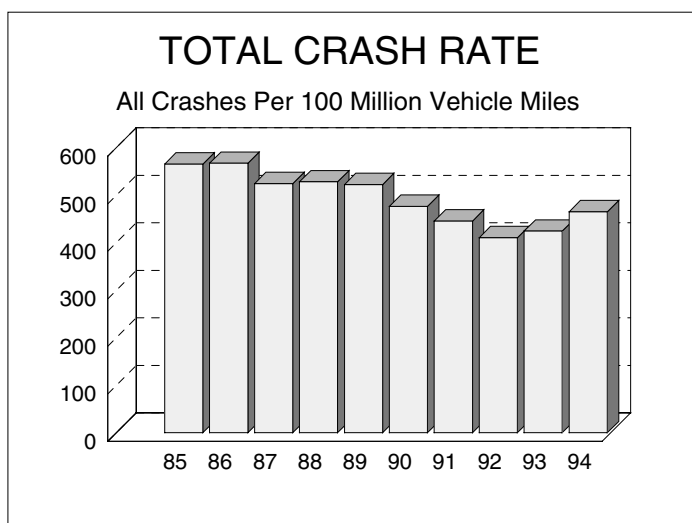
10 YEAR TRENDS (continued)



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. It continued to increase slowly until declining for the first time in 1992.



The number of drivers in Michigan increased 0.3 percent to 7,663,993 million in 1994.

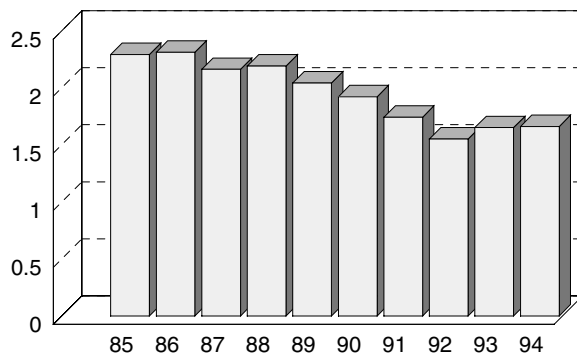


The 465.0 total crash rate in 1994 is a 17.8 percent decrease from 1985.

10 YEAR

MILEAGE DEATH RATE

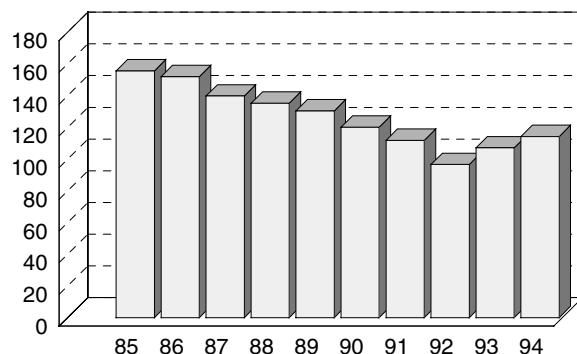
Deaths Per 100 Million Vehicle Miles



The death rate has declined significantly. The 1.7 death rate in 1994 is a 26.1 percent decrease from 1985.

PERSONAL INJURY CRASH RATE

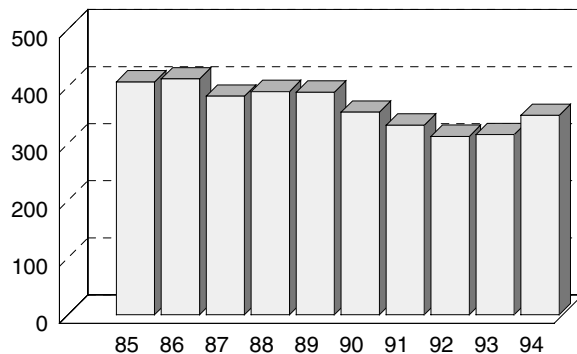
Injury Crashes Per 100 Million Vehicle Miles



The personal injury crash rate mirrors the death rate with a significant decline. The 114.1 personal injury crash rate in 1994 is a 26.7 percent decrease from 1985.

PROPERTY DAMAGE CRASH RATE

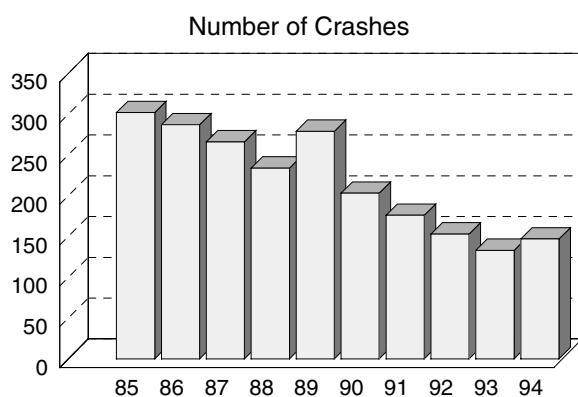
Property Damage Crashes Per 100 Million Vehicle Miles



The property damage crash rate has also declined over the last 10 years. The 349.4 property damage crash rate in 1994 is a 14.3 percent decrease from 1985.

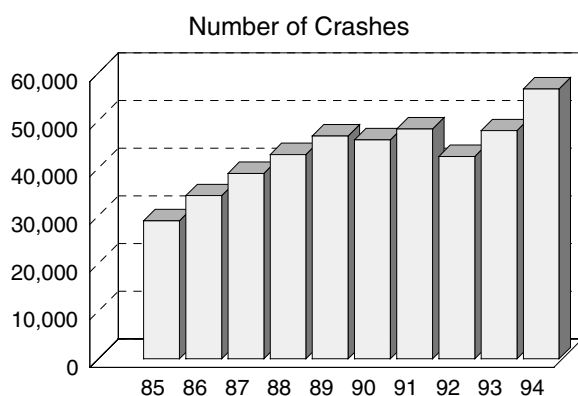
10 YEAR TRENDS (continued)

VEHICLE-TRAIN CRASHES



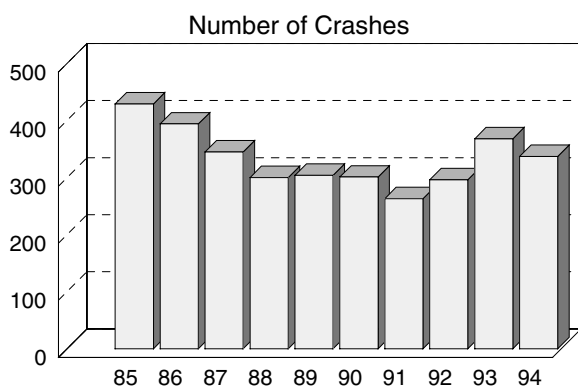
147 vehicle-train crashes occurred in 1994, a 10.5 percent rise from 1993. Train data is provided by the Michigan Department of Transportation [3].

VEHICLE-DEER CRASHES



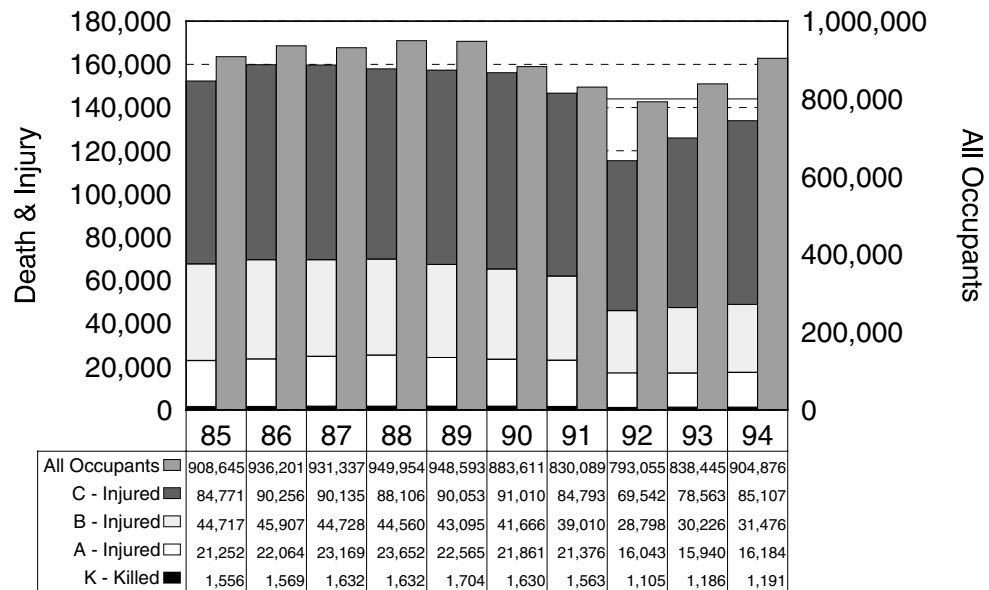
There has been a 95.6 percent rise from 28,968 vehicle-deer crashes in 1985 to 56,666 in 1994.

FARM EQUIPMENT CRASHES



In 1994, there were 337 farm equipment crashes, down 8.4 percent from the 1993 figure of 368.

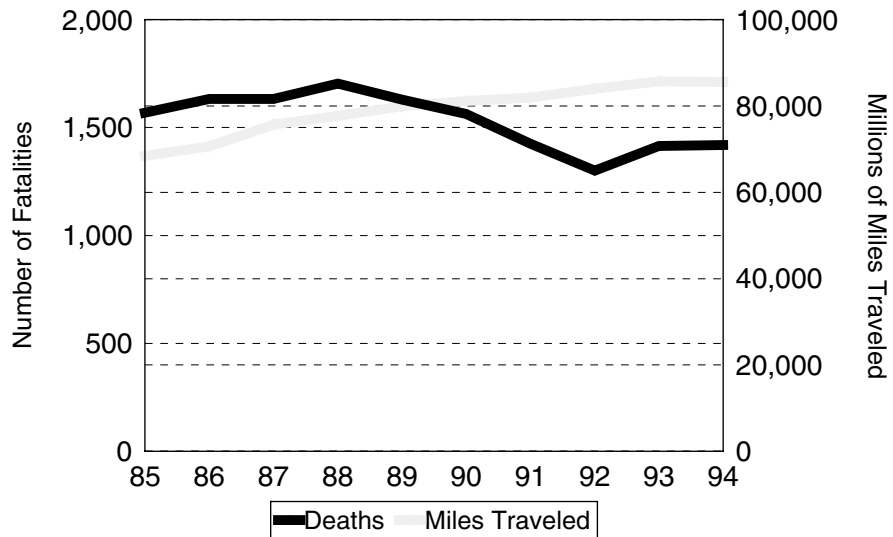
DEATH & INJURY PER CRASH INVOLVED OCCUPANT



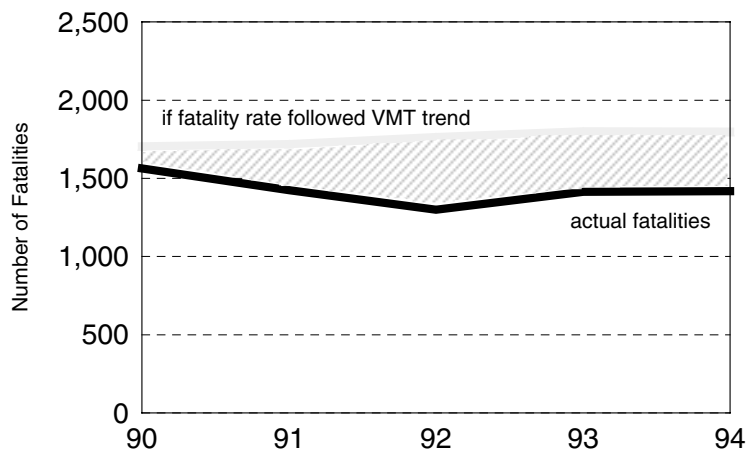
The number of deaths and injuries on Michigan roads has remained significantly lower than the peak number in 1988. However, 1,191 occupants of motor vehicles were fatally injured, 16,184 suffered an A (incapacitating) injury, 31,476 sustained a B (nonincapacitating) injury, and 85,107 sustained a C (possible) injury.

10 YEAR

FATALITIES AND VMT TRENDS



5 Year Highlight



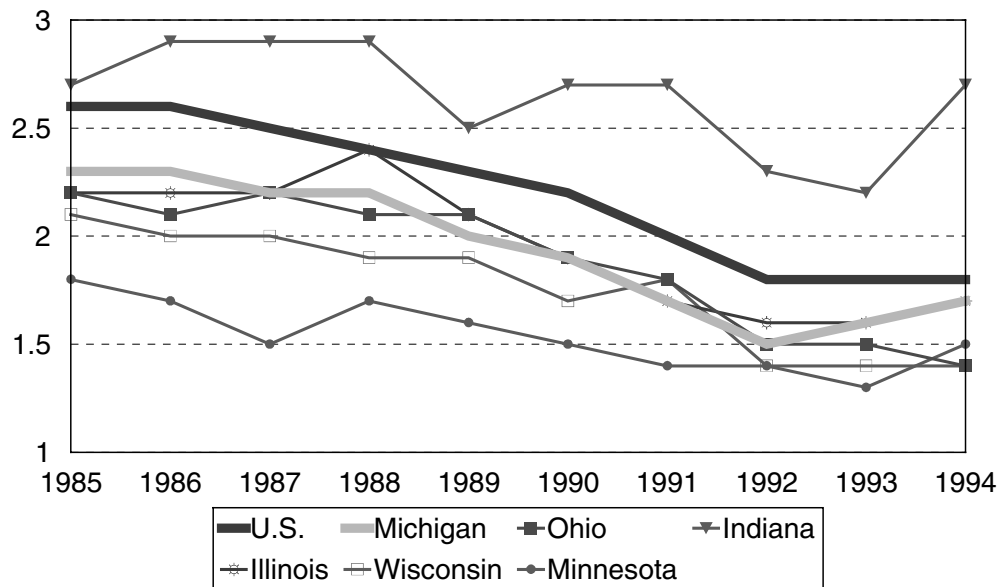
These charts show the dramatic reversal in the fatality rate that began in 1988, and a projection of losses that would have been incurred if the fatality rate had continued to follow the VMT trend.



10 YEAR

MILEAGE DEATH RATES 1985 - 1994

Comparison - Michigan to U.S. and Surrounding States



The chart above compares the Michigan mileage death rates (motor vehicle traffic deaths per 100,000,000 vehicle miles) to those of its neighboring states and the overall U.S. rates for a ten year period.

Michigan places consistently in the middle of the pack, mirroring the U.S. trend towards a reduced fatality rate.

	U.S.	Michigan	Ohio	Indiana	Illinois	Wisconsin	Minnesota
1985	2.6	2.3	2.2	2.7	2.2	2.1	1.8
1986	2.6	2.3	2.1	2.9	2.2	2.0	1.7
1987	2.5	2.2	2.2	2.9	2.2	2.0	1.5
1988	2.4	2.2	2.1	2.9	2.4	1.9	1.7
1989	2.3	2.0	2.1	2.5	2.1	1.9	1.6
1990	2.2	1.9	1.9	2.7	1.9	1.7	1.5
1991	2.0	1.7	1.8	2.7	1.7	1.8	1.4
1992	1.8	1.5	1.5	2.3	1.6	1.4	1.4
1993	1.8	1.6	1.5	2.2	1.6	1.4	1.3
1994	1.8*	1.7	1.4*	2.7	1.7*	1.4*	1.5*

* Provisional mileage death rates

U.S. data for this table and tables on the following page were provided by the National Safety Council [4]. State data for this table and tables on the following page were provided by Ohio [5], Indiana [6], Illinois [7], Wisconsin [8], and Minnesota [9].

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
1985	45,901	1,569	1,644	976	1,552	750	610
1986	47,865	1,632	1,673	1,039	1,617	757	572
1987	48,290	1,632	1,772	1,056	1,685	817	530
1988	49,078	1,704	1,748	1,104	1,860	813	615
1989	47,575	1,630	1,772	973	1,748	817	605
1990	46,814	1,563	1,637	1,044	1,589	763	568
1991	43,536	1,425	1,635	1,022	1,448	795	531
1992	40,800	1,300	1,440	903	1,384	645	581
1993	42,000	1,414	1,484	891	1,392	703	538
1994	43,000	1,419	1,368	976	1,554*	706*	644*

* Provisional fatalities

Year	U.S. VMT	Michigan VMT	Ohio VMT	Indiana VMT	Illinois VMT	Wisconsin VMT	Minnesota VMT
1985	1,774	68.4	75.8	35.6	71.0	36.7	33.1
1986	1,835	70.6	78.1	35.9	74.3	38.4	34.2
1987	1,924	75.7	79.3	36.7	76.0	40.2	35.1
1988	2,026	77.7	81.8	38.4	78.6	42.3	36.4
1989	2,107	79.9	84.1	38.7	81.6	43.1	37.6
1990	2,148	81.2	88.2	38.7	83.6	44.3	38.8
1991	2,172	81.9	93.0	38.6	85.7	45.5	39.3
1992	2,240	84.0	95.2	39.0	87.9	47.5	41.3
1993	2,289	85.7	97.5	40.0	89.8	48.8	42.3
1994	2,347	85.6	99.0*	36.0	92.1*	50.8*	43.4

* Projected VMT

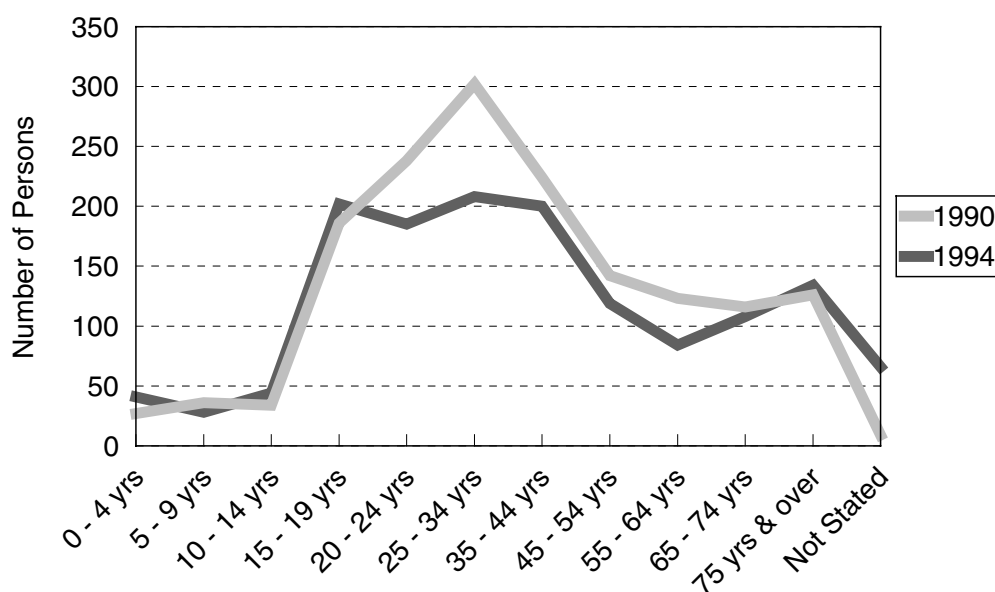
VMT described in billions of miles

5 YEAR

TREND DATA FOR FATALITIES

TREND DATA FOR FATALITIES	1990	1991	1992	1993	1994
Age of Persons Killed, Total					
0 - 4 years	27	32	32	20	41
5 - 9 years	36	29	39	34	28
10 - 14 years	34	45	48	37	44
15 - 19 years	186	186	141	154	202
20 - 24 years	238	180	167	185	185
25 - 34 years	302	285	241	257	208
35 - 44 years	224	209	155	204	200
45 - 54 years	142	128	105	132	119
55 - 64 years	123	80	84	81	84
65 - 74 years	116	98	91	100	108
75 years and over	126	151	114	130	134
Not Stated	9	2	83	80	66
Totals	1,563	1,425	1,300	1,414	1,419

Age of Persons Killed, Total



The chart above shows the total number of deaths in motor vehicle crashes in Michigan by age, comparing 1990 with 1994.

5

YEAR

TREND DATA FOR FATALITIES	1990	1991	1992	1993	1994
---------------------------	------	------	------	------	------

Age of Drivers Involved in Fatal Crashes

15 years and under	14	10	13	13	13
16 years	46	54	46	49	55
17 years	52	38	49	53	66
18 - 19 years	128	127	111	108	127
20 - 24 years	358	300	253	267	281
25 - 34 years	566	496	430	421	431
35 - 44 years	351	362	289	340	369
45 - 54 years	245	203	166	203	207
55 - 64 years	165	119	124	115	110
65 years and over	210	233	185	203	217
Not Stated	51	41	178	217	170
Totals	2,186	1,983	1,844	1,989	2,046

Age of Pedestrians Killed

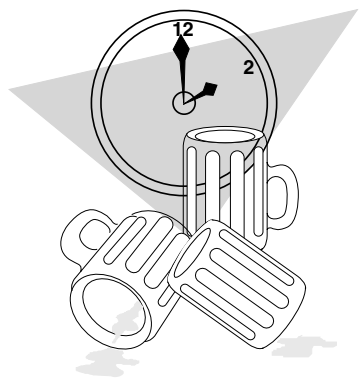
0 - 4 years	12	9	9	2	12
5 - 9 years	14	5	14	9	9
10 - 14 years	15	12	7	7	10
15 - 19 years	9	13	10	9	17
20 - 24 years	18	13	11	12	13
25 - 34 years	37	30	22	33	21
35 - 44 years	37	30	18	35	29
45 - 54 years	16	14	14	20	11
55 - 64 years	19	17	13	6	15
65 - 74 years	19	12	13	17	15
75 years and over	28	24	20	15	23
Not Stated	2	1	19	6	7
Totals	226	180	170	171	182

Action of Pedestrians Killed

Crossing at intersection	54	55	10	21	25
Cross not at intersection	77	56	46	54	66
Getting on/off vehicle	N/A	N/A	5	1	1
In road with traffic	13	15	10	14	12
In road against traffic	8	1	4	3	3
Standing or lying in road	28	12	13	15	14
Pushing/working on vehicle	0	2	4	3	4
Other working in road	0	1	2	0	3
Playing in road	0	0	2	0	0
In road for other reason	13	16	5	7	8
Not in road	24	17	5	8	14
Other/Unknown	9	5	64	45	32
Totals	226	180	170	171	182

5 YEAR

FATAL CRASHES AND PERSONS KILLED FOR SELECTED HOLIDAY PERIODS IN MICHIGAN

HOLIDAY PERIOD	Fatal Crashes	Persons Killed	SUMMARY 1994
Memorial Day 1994 (3) 1993 (3) 1992 (3) 1991 (3) 1990 (3)	11 18 16 16 15	13 23 18 20 16	This table shows traffic death tolls in Michigan for the past five years for the major holiday periods. Based on the total 1994 experience, deaths averaged 3.9 per day. Based on the 1994 Holiday Period experience, deaths averaged 5.4 per day. 
Fourth of July 1994 (3) 1993 (3) 1992 (3) 1991 (4) 1990 (1)	17 11 17 18 9	19 14 20 20 10	
Labor Day 1994 (3) 1993 (3) 1992 (3) 1991 (3) 1990 (3)	9 7 15 20 15	10 7 20 23 16	
Thanksgiving 1994 (4) 1993 (4) 1992 (4) 1991 (4) 1990 (4)	19 21 18 13 18	21 29 19 16 19	
Christmas 1994 (3) 1993 (3) 1992 (4) 1991 (2) 1990 (4)	17 9 14 6 15	23 9 20 6 18	
New Years 1994 (3) 1993 (3) 1992 (4) 1991 (2) 1990 (4)	16 18 21 7 15	16 19 22 7 15	

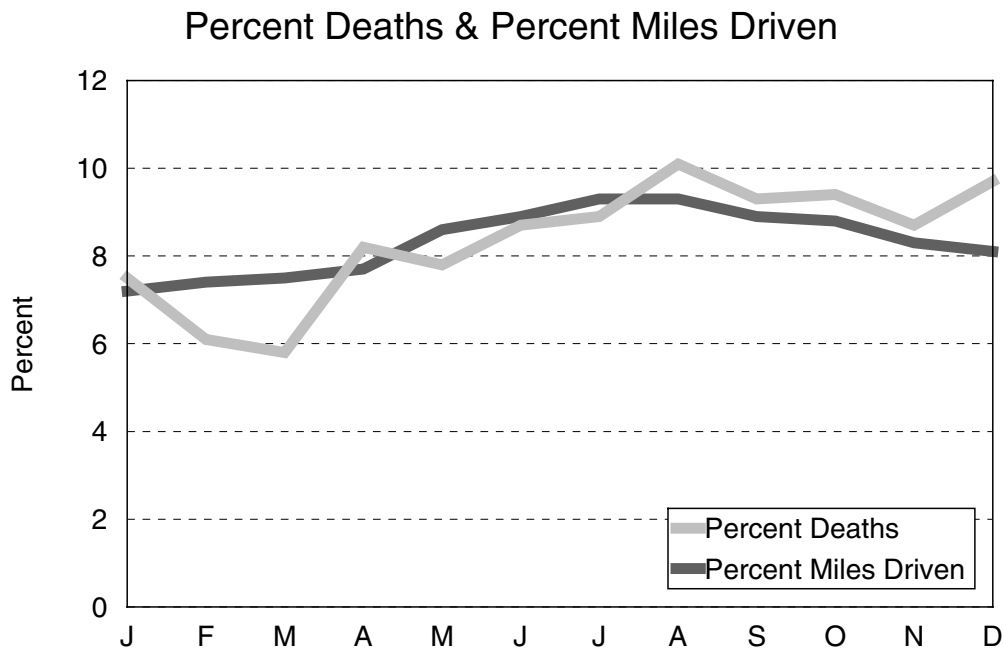
Figures in parentheses show number of full days in each holiday period.
Deaths are for these days plus six hours of the preceding day.

5

YEAR

MOTOR VEHICLE DEATHS AND MILEAGE BY MONTH

Month	TRAFFIC DEATHS					1994 PERCENTAGES	
	1990	1991	1992	1993	1994	Percent Deaths	Percent Miles Driven
January	99	103	83	123	106	7.5	7.2
February	84	79	81	91	86	6.1	7.4
March	122	115	83	89	82	5.8	7.5
April	94	106	86	72	116	8.2	7.7
May	135	129	100	127	111	7.8	8.6
June	151	145	122	103	123	8.7	8.9
July	165	130	134	149	126	8.9	9.3
August	170	141	119	140	143	10.1	9.3
September	141	125	123	131	132	9.3	8.9
October	147	129	129	146	133	9.4	8.8
November	130	104	120	134	123	8.7	8.3
December	125	119	120	109	138	9.7	8.1
Totals	1,563	1,425	1,300	1,414	1,419	100.0	100.0



The above chart shows that *deaths per miles driven* were lower for the months of January through May, than for the months of June through December in 1994.

1993 - 1994 SUMMARY TRENDS

- Deaths among vehicle occupants (drivers and passengers) decreased 0.8 percent.
- Alcohol was a factor in 32.0 percent of all fatal crashes where the drinking condition was reported, a decrease of 3.3 percent.
- Persons sustaining "A" level injuries (the most serious) increased 0.1 percent.

	1993	1994	% CHANGE
NUMBER OF CRASHES			
Property Damage Crashes	270,639	299,092	10.5
Fatal Crashes	1,269	1,262	-0.6
Personal Injury Crashes	91,728	97,696	6.5
Total	363,636	398,050	9.5
ALCOHOL IN FATAL CRASHES			
Had Been Drinking (HBD)	418 (32.9%)	404 (32.0%)	-3.3
Had Not (HNBD)/Not Known If Drinking	851 (67.1%)	858 (68.0%)	0.8
PERSONS IN CRASHES			
Killed and Injured	135,962	143,619	5.6
Not Injured	481,618	529,004	9.8
Unknown Injury	64,519	71,695	11.1
Total	682,099	744,318	9.1
PERSONS INJURED			
Male	66,414	70,477	6.1
Female	68,134	71,723	5.3
Total	134,548	142,200	5.7
"A" Injury	18,028	18,047	0.1
"B" Injury	33,576	34,818	3.7
"C" Injury	82,944	89,335	7.7
Total	134,548	142,200	5.7
PERSONS KILLED			
Male	928	951	2.5
Female	486	468	-3.7
Total	1,414	1,419	0.4
Drivers	771	770	-0.1
Passengers	334	326	-2.4
Pedestrians	171	182	6.4
Bicyclists	29	29	0.0
Motorcyclist	58	67	15.5
Farm Equipment	7	2	-71.4
Train Engineer	0	0	0.0
Snowmobile	14	9	-35.7
Other/Unknown	30	34	13.3
Total	1,414	1,419	0.4

1 YEAR

MORE MICHIGAN CRASH FACTS

CRASH FACTS	1993	1994	% Change
Deaths	1,414	1,419	0.4
Injuries	134,548	142,200	5.7
Crashes	363,636	398,050	9.5
Drivers Involved	612,248	671,999	9.8
Vehicles Involved	613,992	673,812	9.7
Fatal Crashes	1,269	1,262	-0.6
Estimated MV Mileage Traveled (billions)	85.7	85.6	-0.1
Death Rate Per 100 Million Vehicle Miles	1.6	1.7	6.2
Fatal Crash Rate Per 100 Million Veh Miles	1.5	1.5	0.0

Michigan experienced an 0.4 percent increase in traffic fatalities, as well as a 5.7 percent increase in injuries and a 9.5 percent increase in crashes. Vehicle mileage decreased 0.1 percent and the death rate per 100 million vehicle miles increased 6.2 percent.

Based on provisional numbers, the National Safety Council estimates a national increase in traffic fatalities of 2.4 percent between 1993 (42,000) and 1994 (43,000).



1994 COST OF CRASHES IN MICHIGAN

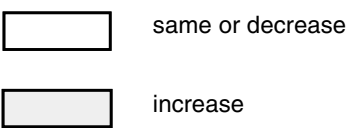
The cost estimate for Michigan crashes in 1994 is **\$12,393,774,717**, up 2.5 percent from the 1993 figure of \$12,096,733,393. This figure is based on cost estimating procedures specific to Michigan and produced by the University of Michigan Transportation Research Institute for the Office of Highway Safety Planning [10]. Average comprehensive costs are based on the following figures:

Comprehensive Costs, 1994	
Death	\$3,056,530
Incapacitating injury	\$201,825
Nonincapacitating evident injury	\$45,865
Possible injury	\$22,326
No injury	\$2,751

The procedures used by UMTRI were extensively revised in 1994, and are not intended for comparisons to cost estimates prior to 1993.

1

YEAR



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
1940	122	98	137	99	130	141	127	161	158	216	184	157	1,730
1941	131	128	152	128	193	178	195	231	176	230	219	172	2,133
1942	139	114	89	96	129	92	120	125	146	109	87	79	1,325
1943	59	51	79	44	75	89	82	67	110	118	96	122	922
1944	130	100	81	82	49	57	59	95	68	97	116	100	1,034
1945	71	60	85	78	74	71	94	88	118	160	131	120	1,150
1946	107	98	121	88	110	106	119	130	123	143	160	165	1,470
1947	86	86	85	113	124	114	134	149	134	142	145	135	1,447
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

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
1940	1,730	34,247	116,154	15,132.3	1,563,635	11.4
1941	2,133	40,708	133,236	17,043.5	1,717,449	12.5
1942	1,325	28,967	100,125	13,900.3	1,626,861	9.5
1943	992	21,988	71,450	10,530.0	1,542,798	9.4
1944	1,034	23,401	72,013	10,651.0	1,505,246	9.7
1945	1,150	27,755	83,160	11,915.6	1,483,466	9.7
1946	1,470	34,479	110,631	16,191.1	1,619,541	9.1
1947	1,447	38,195	137,619	17,661.1	1,850,274	8.2
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

* Excludes trailers and trailer coaches.

1994

1994

1994

1994

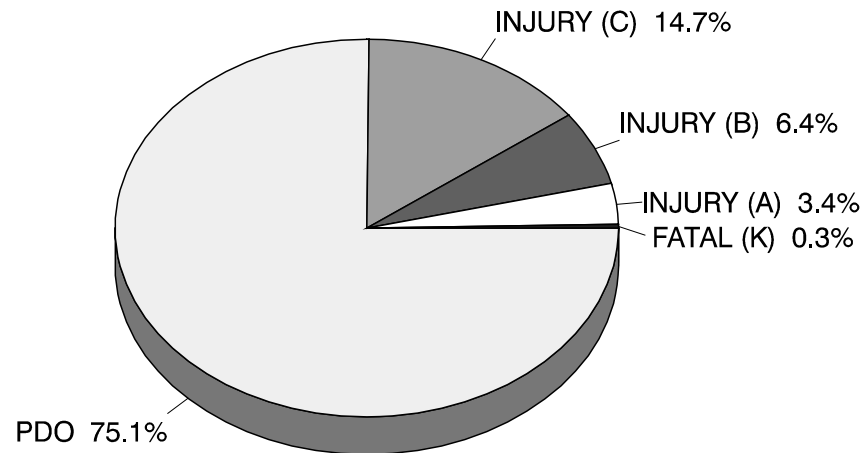
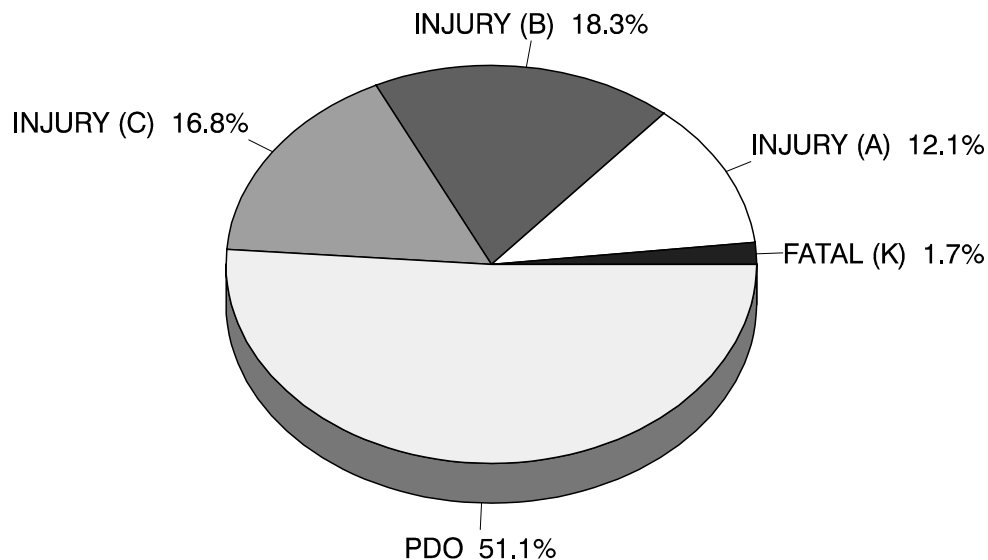
1994

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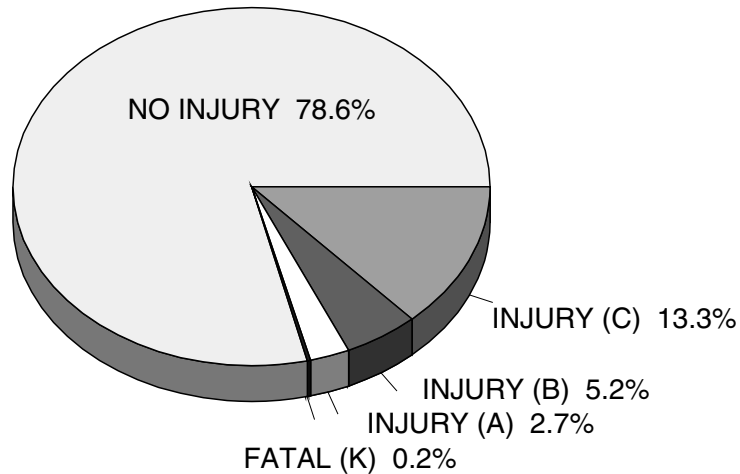
Highlights

ALL CRASHES BY INJURY SEVERITY**HBD CRASHES BY INJURY SEVERITY**

The problem of the drinking driver, pedestrian, and/or cyclist is seen when one compares the two charts on this page. A fatality in the crash is almost six times more likely when one of the crash-involved operators is reported as had been drinking.

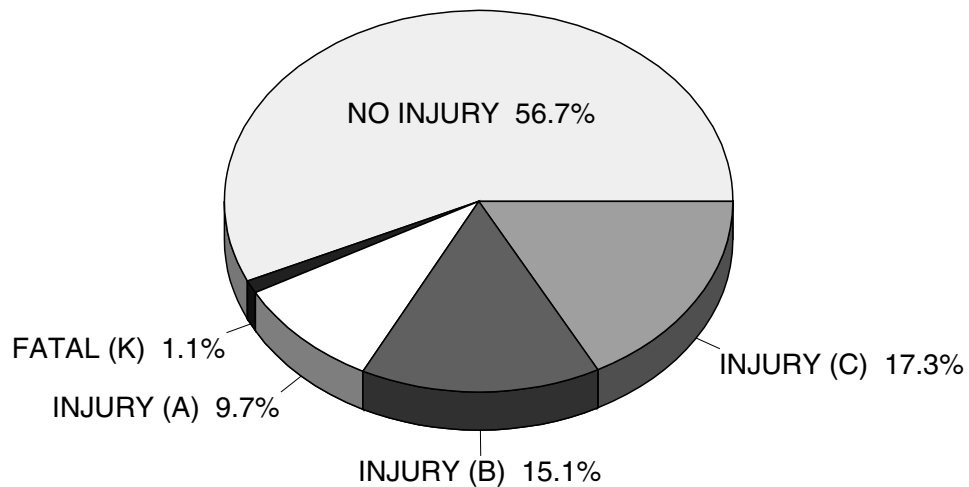
DEATH & INJURY PER CRASH INVOLVED OCCUPANT

Occupants in Crashes



The majority of people involved in crashes (78.6%) are not injured. More than half of those who are injured receive only minor (C) injuries. Increased use of occupant restraints and airbags can reduce the number of killed and injured even further.

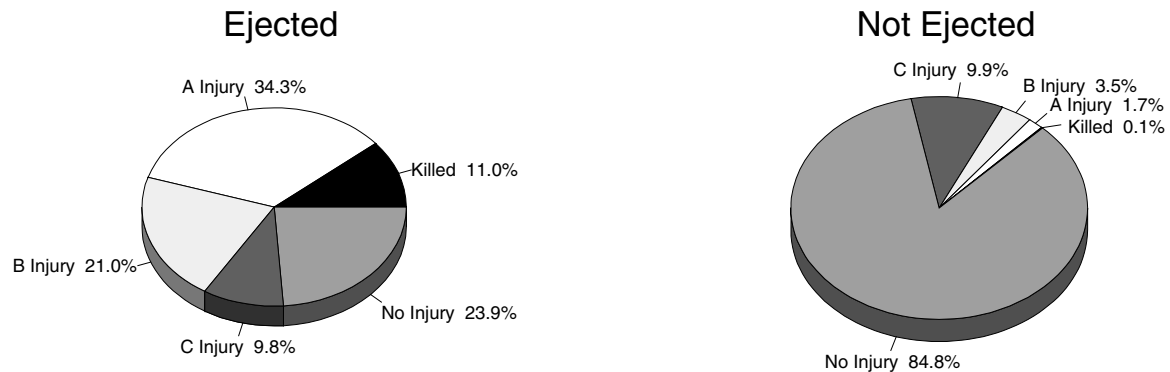
Occupants in HBD Crashes



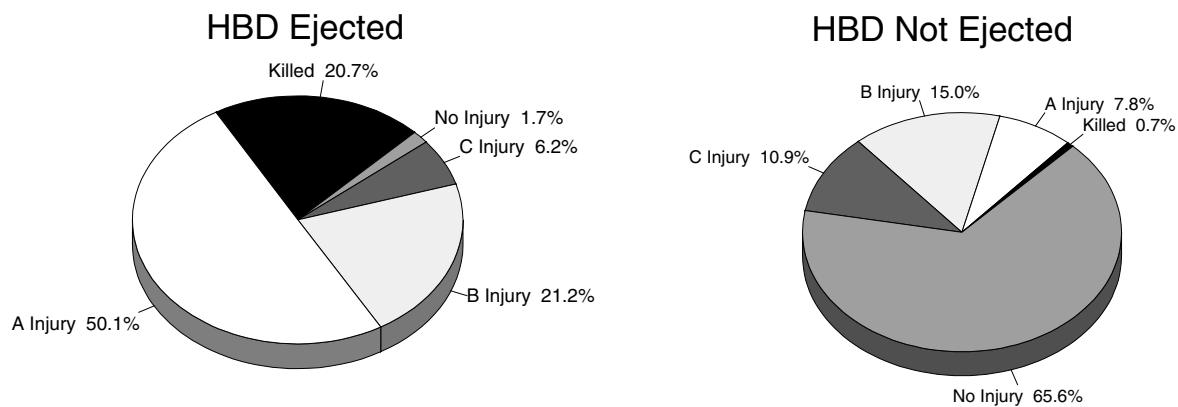
Crashes involving drinking tend to be more serious than nondrinking crashes. The percentage of fatalities is five times higher than in all crashes and the more serious injury levels are three to four times higher.

***ALL DRIVERS* and *HBD DRIVERS* INJURY SEVERITY - EJECTED vs. NOT EJECTED**

As can be seen in the two charts below, death and injury are much more likely when drivers are ejected from their vehicles.

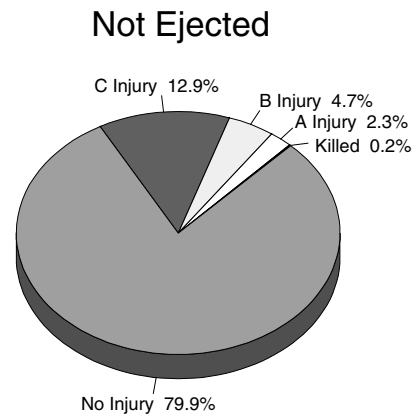
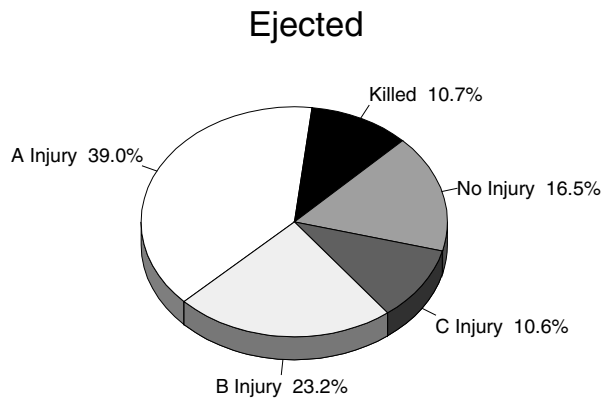


When compared to the charts above, the charts below demonstrate that the injury severity is much worse for drivers who had been drinking in both ejected, and nonejected events.

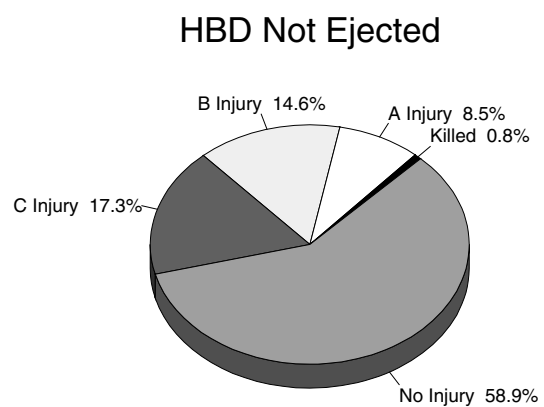
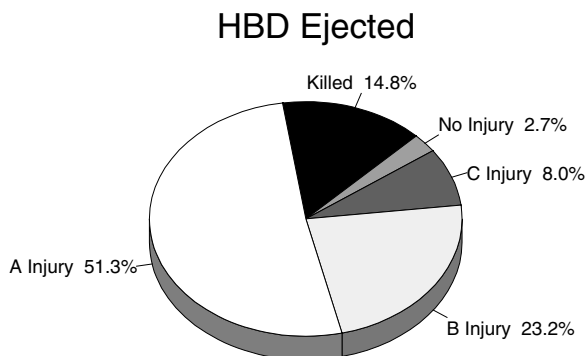


ALL OCCUPANTS and OCCUPANTS of HBD CRASHES INJURY SEVERITY - EJECTED vs. NOT EJECTED

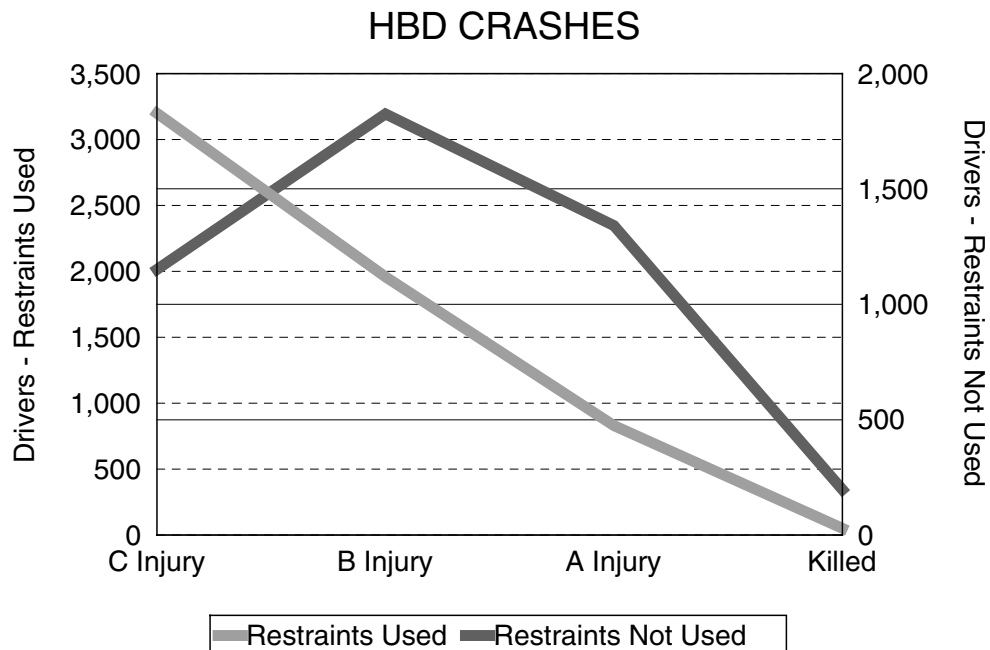
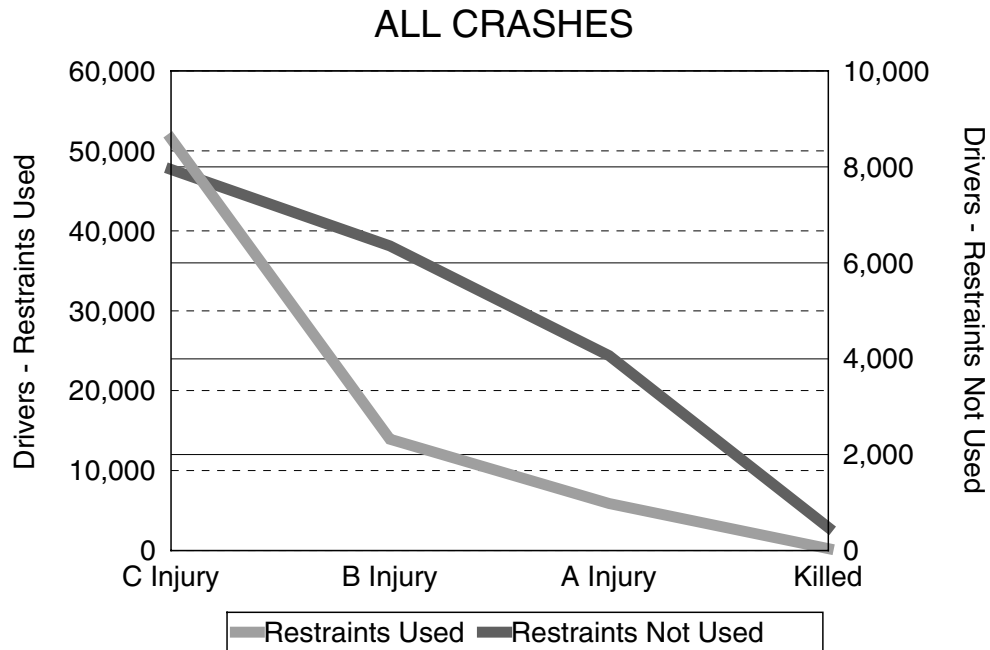
As can be seen in the two charts below, death and injury are much more likely when occupants are ejected from their vehicles.



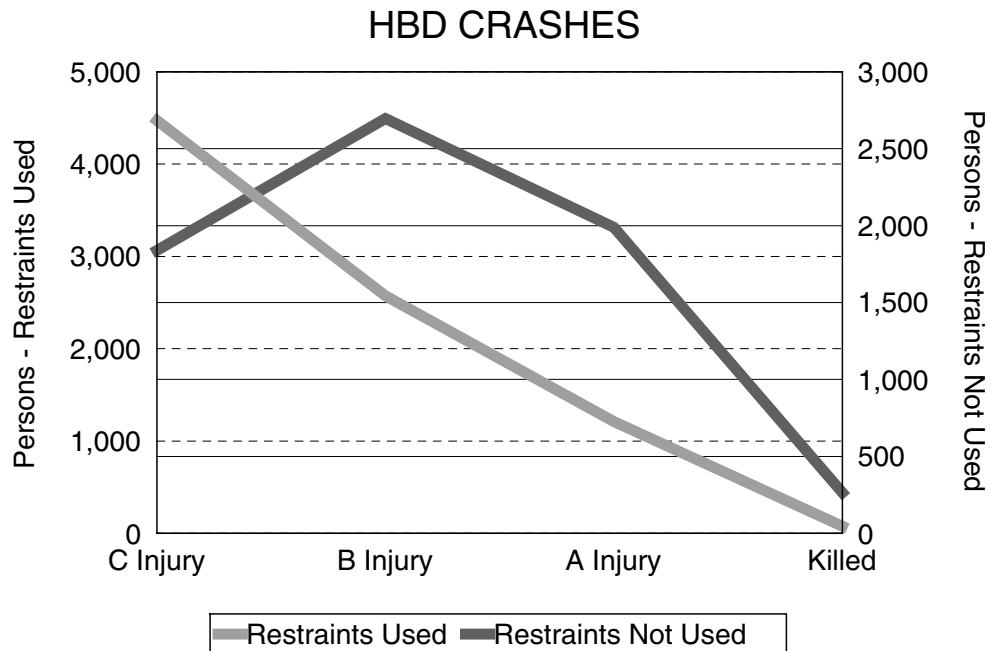
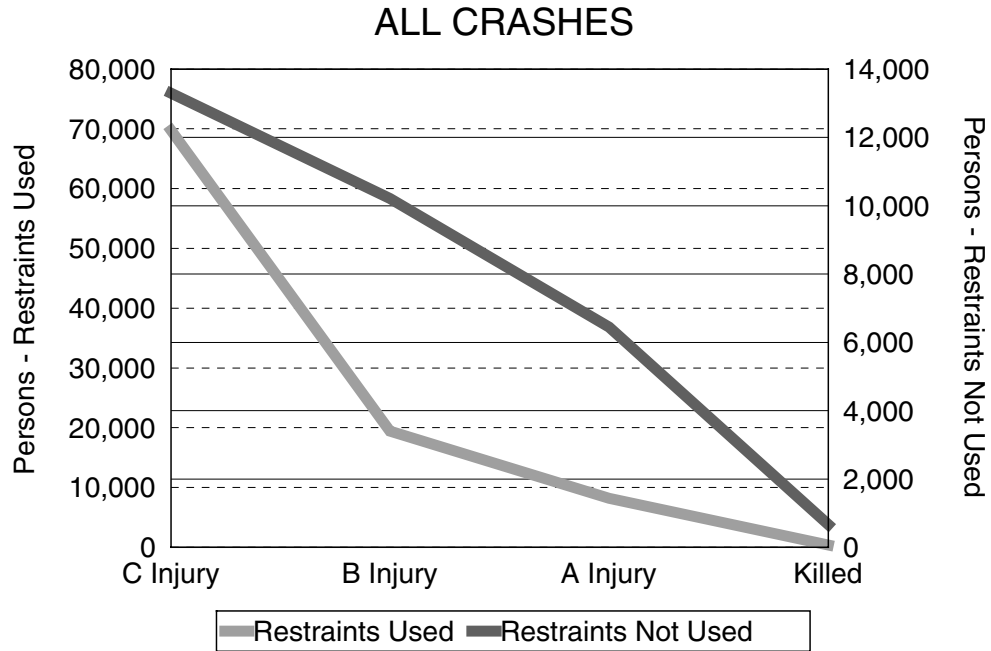
When compared to the charts above, the charts below demonstrate that the injury severity is much worse for occupants in a crash where drinking is reported in both ejected, and nonejected events.



INJURY SEVERITY & RESTRAINT USE FOR CRASH INVOLVED KABC DRIVERS



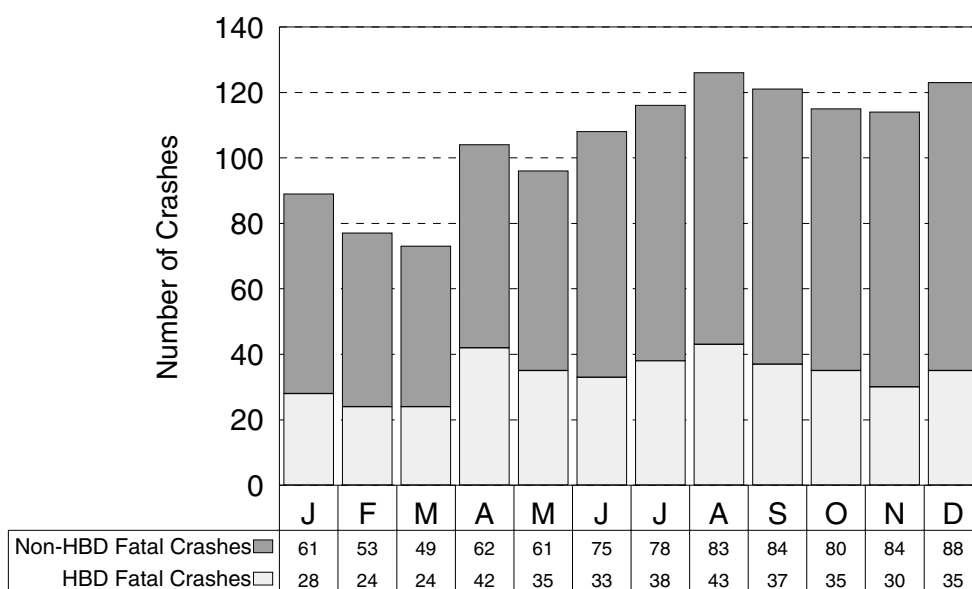
INJURY SEVERITY & RESTRAINT USE FOR CRASH INVOLVED KABC OCCUPANTS



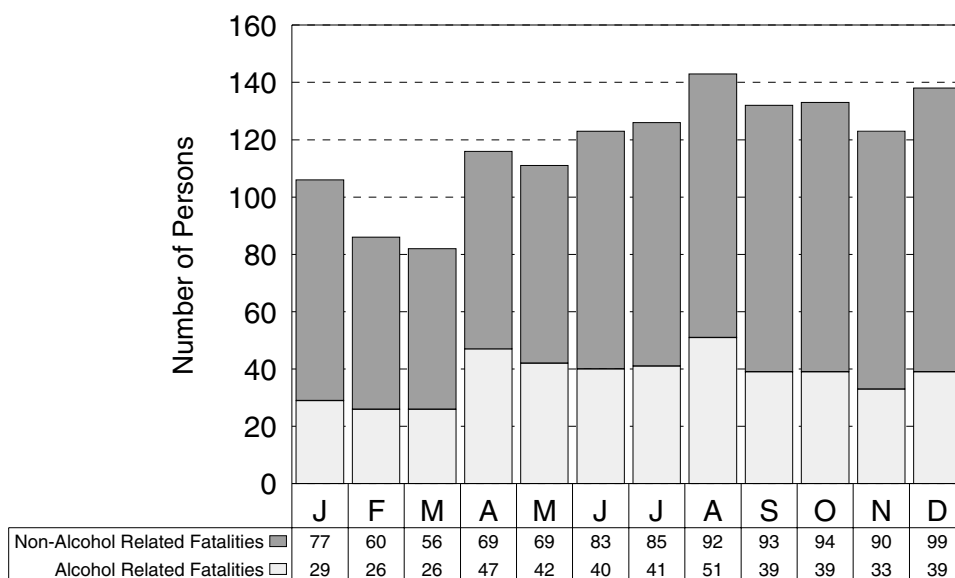
ALCOHOL INVOLVEMENT IN FATAL CRASHES

Fatal crashes were lowest in number during January, February, and March. The number of fatal crashes then increased, peaking in August. These numbers follow the increase in travel during the summer months. The number of HBD fatal crashes by month does not show a discernible trend. Total persons killed in fatal crashes closely follows the number of crashes, as would be expected.

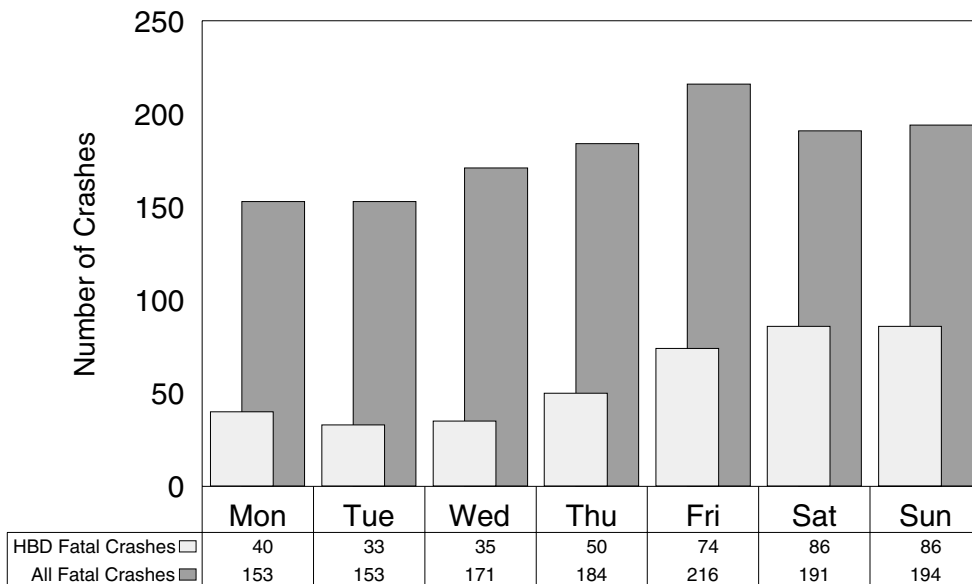
HBD Fatal Crashes by Month



Alcohol Related Fatalities by Month

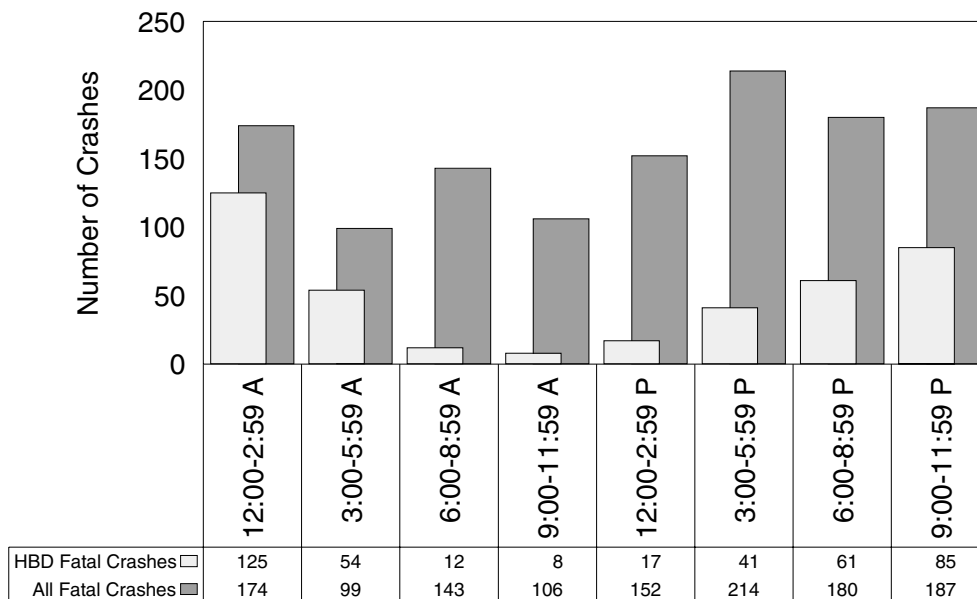


HBD Fatal Crashes by Day of Week



Friday had the most fatal crashes in 1994. Saturday and Sunday had the highest proportions of drinking related fatal crashes. Almost half of weekend fatal crashes involved drinking, while only 20.5 percent of fatal crashes on Wednesday involved drinking.

HBD Fatal Crashes by Time of Day



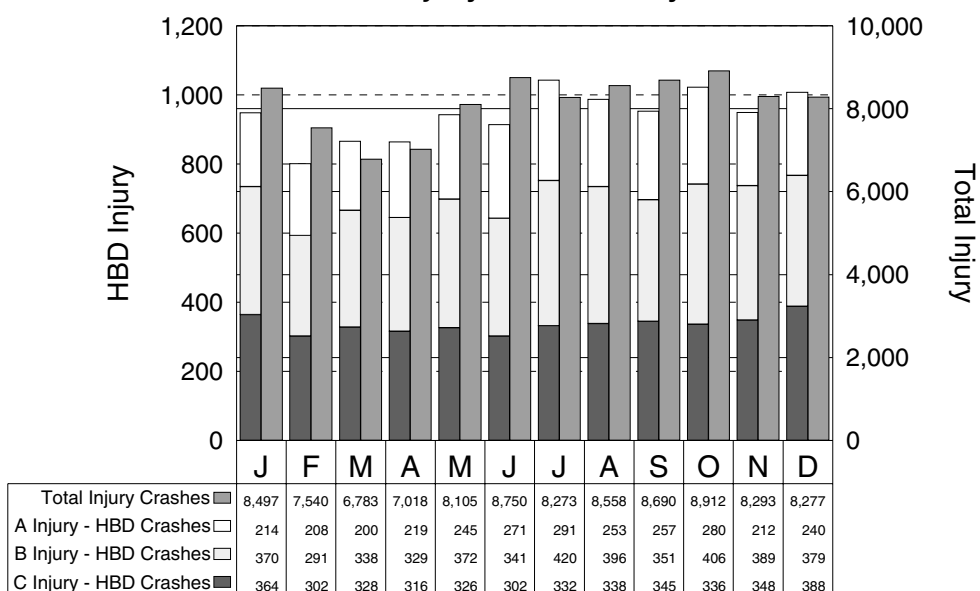
Not surprisingly, the midnight to 2:59 AM time period had the highest rate of drinking involvement (71.8%), while the late morning hours had the lowest (7.5%).

There were 7 fatal crashes where the time of day was unknown. Of these 7 fatal crashes, 1 was HBD.

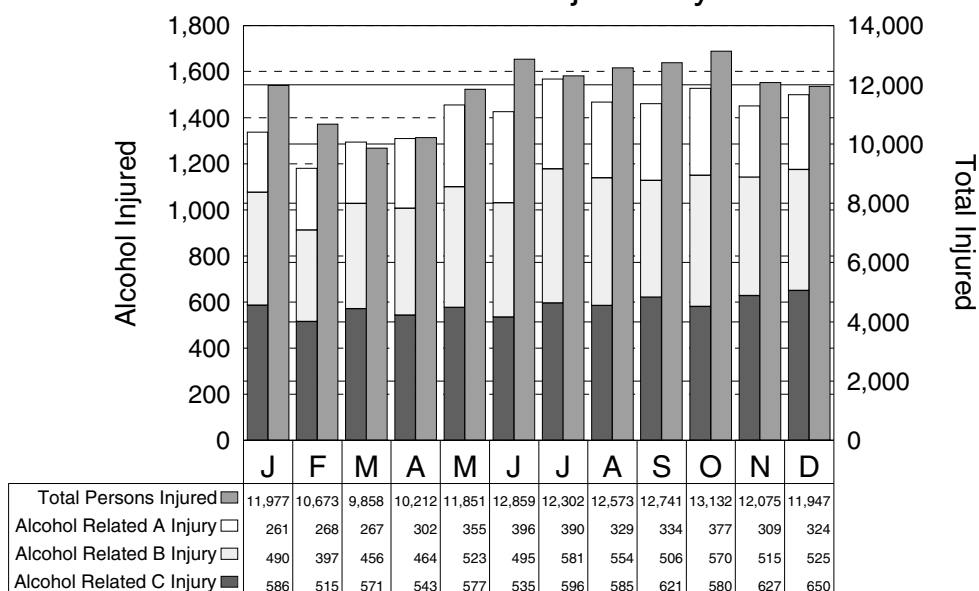
ALCOHOL INVOLVEMENT IN INJURY CRASHES

Alcohol involvement in injury crashes is an important indicator of the alcohol impaired driving problem. In 1994, HBD injury crashes were highest in July, October, and December, with over 1,000 HBD injury crashes in each of those months. The highest proportion of HBD injury crashes occurred in July with 12.6 percent of the injury crashes involving alcohol.

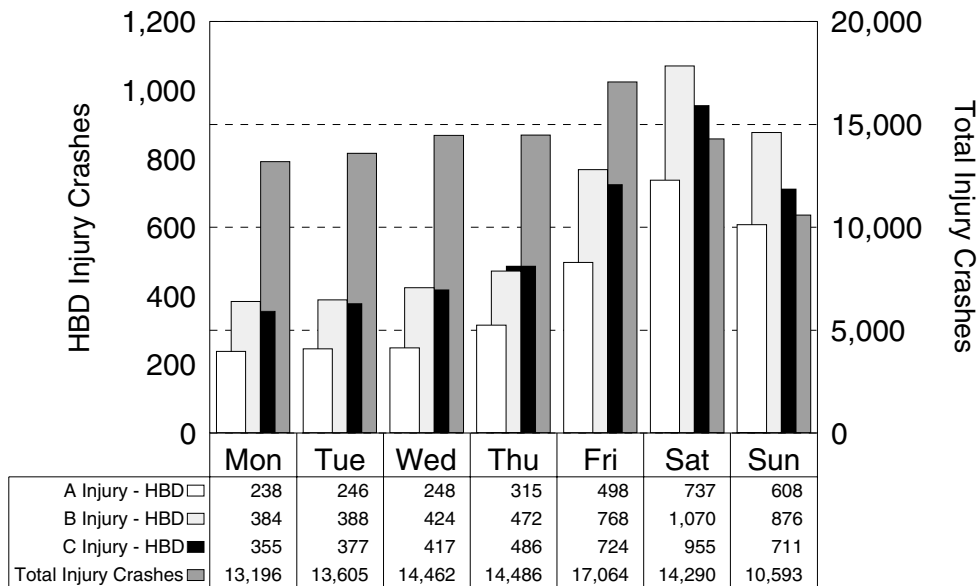
HBD Injury Crashes by Month



Alcohol Related Injuries by Month

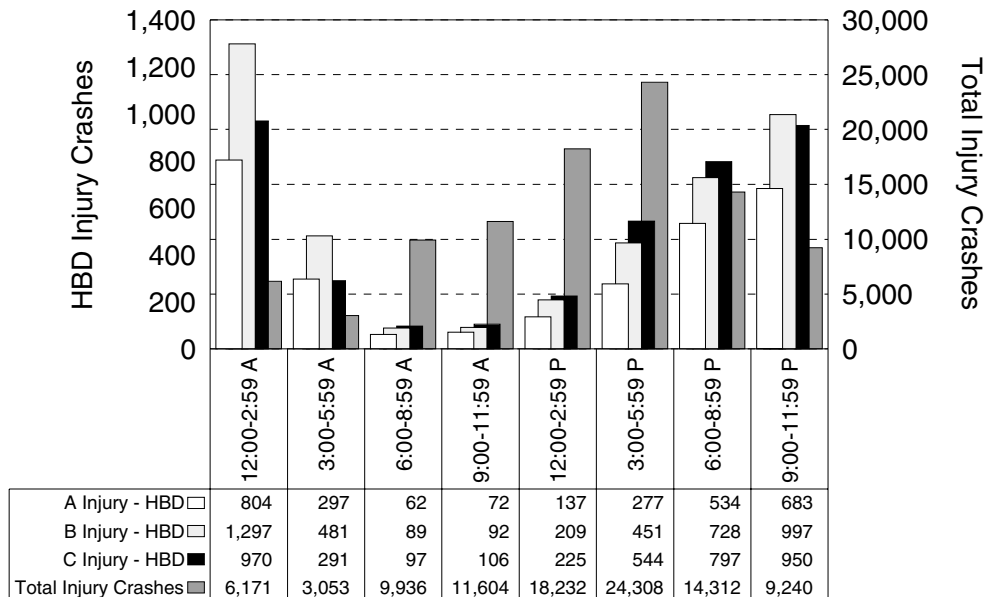


HBD Injury Crashes by Day of Week



HBD injury crashes follow the same basic trends as total crashes through the work week, but the weekend sees a dramatic increase in the proportion of HBD injury crashes to total injury crashes.

HBD Injury Crashes by Time of Day



Total injury crash frequencies peak in the hours between 12:00 PM and 5:59 PM, while HBD injury crash frequencies peak between 6:00 PM and 2:59 AM. A particularly hazardous travel period is 12:00 AM to 2:59 AM.

INJURY EXPERIENCE FOR PERSONS WHO HAD BEEN DRINKING

BICYCLIST

	Total	Drinking in Crash	Drinking Bicyclist
Bicyclists Killed	29	3	1
Bicyclists Injured	2,740	139	91
Bicyclists in Crashes	3,298	165	105

PEDESTRIAN

	Total	Drinking in Crash	Drinking Pedestrian
Pedestrians Killed	182	52	27
Pedestrians Injured	3,502	422	266
Pedestrians in Crashes	4,014	498	306

MOTORCYCLIST

	Total	Drinking in Crash	Drinking Motorcyclist
Motorcyclists Killed	67	18	17
Motorcyclists Injured	2,598	385	322
Motorcyclists in Crashes	3,434	469	386

SNOWMOBILER

	Total	Drinking in Crash	Drinking Snowmobiler
Snowmobilers Killed	9	8	4
Snowmobilers Injured	300	283	67
Snowmobilers in Crashes	491	456	94



MALE DRIVERS & INJURY SEVERITY IN CRASH

ALL CRASHES

AGE OF DRIVER IN CRASH	Male Drivers		Fatal		Injury			PDO
	Number	% of Total	Number	% of Fatal	A	B	C	
14 years and under	714	0.2	5	0.3	71	113	111	414
15 years	701	0.2	4	0.3	61	91	124	421
16 years	11,679	3.1	30	2.1	431	933	1,959	8,326
17 years	12,070	3.2	48	3.3	452	912	1,956	8,702
18 - 19 years	23,059	6.2	97	6.7	934	1,913	3,781	16,334
20 - 24 years	49,013	13.1	212	14.6	2,006	3,702	7,847	35,246
25 - 34 years	83,548	22.4	330	22.7	3,071	5,633	13,241	61,273
35 - 44 years	67,897	18.2	261	18.0	2,425	4,361	10,670	50,180
45 - 54 years	43,059	11.5	147	10.1	1,375	2,581	6,755	32,201
55 - 64 years	24,427	6.5	83	5.7	782	1,500	3,991	18,071
65 - 74 years	17,332	4.6	68	4.7	554	1,082	2,837	12,791
75 years and over	9,375	2.5	62	4.3	383	706	1,530	6,694
Not Stated	30,889	8.3	104	7.2	948	1,622	4,674	23,541
TOTAL	373,763	100.0	1,451	100.0	13,493	25,149	59,476	274,194

DRINKING DRIVER

AGE OF DRINKING DRIVER IN CRASH	Male Drivers		Fatal		Injury			PDO
	Number	% of Total	Number	% of Fatal	A	B	C	
14 years and under	31	0.2	0	0.0	2	8	7	14
15 years	21	0.1	0	0.0	4	3	3	11
16 years	136	0.7	2	0.6	16	28	18	72
17 years	269	1.4	8	2.4	37	50	38	136
18 - 19 years	972	5.2	20	5.9	132	206	129	485
20 - 24 years	3,470	18.5	76	22.6	438	675	498	1,783
25 - 34 years	5,842	31.1	108	32.0	662	1,121	940	3,011
35 - 44 years	4,039	21.5	61	18.1	479	696	712	2,091
45 - 54 years	1,813	9.6	29	8.6	197	289	316	982
55 - 64 years	759	4.0	10	3.0	59	120	139	431
65 - 74 years	377	2.0	4	1.2	30	63	69	211
75 years and over	120	0.6	2	0.6	13	22	13	70
Not Stated	953	5.1	17	5.0	98	134	168	536
TOTAL	18,802	100.0	337	100.0	2,167	3,415	3,050	9,833



FEMALE DRIVERS & INJURY SEVERITY IN CRASH

ALL CRASHES

MOST SEVERE OUTCOME IN CRASH

AGE OF DRIVER IN CRASH	Female Drivers		Fatal		Injury			PDO
	Number	% of Total	Number	% of Fatal	A	B	C	
14 years and under	371	0.2	1	0.2	25	54	69	222
15 years	453	0.2	3	0.6	39	47	68	296
16 years	8,755	3.6	23	4.4	367	773	1,690	5,902
17 years	8,436	3.4	17	3.3	326	692	1,609	5,792
18 - 19 years	14,604	5.9	27	5.2	513	1,188	2,892	9,984
20 - 24 years	33,101	13.5	67	12.8	1,148	2,365	6,385	23,136
25 - 34 years	57,092	23.2	95	18.2	1,877	3,685	1,1022	40,413
35 - 44 years	49,708	20.2	100	19.1	1,505	2,965	9,627	35,511
45 - 54 years	29,110	11.8	57	10.9	935	1,676	5,623	20,819
55 - 64 years	14,919	6.1	25	4.8	480	848	2,947	10,619
65 - 74 years	10,855	4.4	42	8.0	394	677	2,115	7,627
75 years and over	6,711	2.7	43	8.2	257	493	1,212	4,706
Not Stated	11,543	4.7	23	4.4	293	558	1,942	8,727
TOTAL	245,658	100.0	523	100.0	8,159	16,021	47,201	173,754

DRINKING DRIVER

MOST SEVERE OUTCOME IN CRASH

AGE OF DRINKING DRIVER IN CRASH	Female Drivers		Fatal		Injury			PDO
	Number	% of Total	Number	% of Fatal	A	B	C	
14 years and under	9	0.2	0	0.0	0	3	1	5
15 years	6	0.1	0	0.0	2	1	1	2
16 years	37	0.9	1	1.8	2	4	9	21
17 years	68	1.6	3	5.3	12	7	15	31
18 - 19 years	170	4.1	3	5.3	27	37	29	74
20 - 24 years	648	15.6	12	21.1	77	129	116	314
25 - 34 years	1,492	36.0	12	21.1	197	267	267	749
35 - 44 years	1,041	25.1	12	21.1	103	192	210	524
45 - 54 years	335	8.1	8	14.0	45	43	61	178
55 - 64 years	98	2.4	0	0.0	7	19	13	59
65 - 74 years	62	1.5	1	1.8	2	11	15	33
75 years and over	18	0.4	0	0.0	1	4	0	13
Not Stated	159	3.8	5	8.8	15	20	32	87
TOTAL	4,143	100.0	57	100.0	490	737	769	2,090

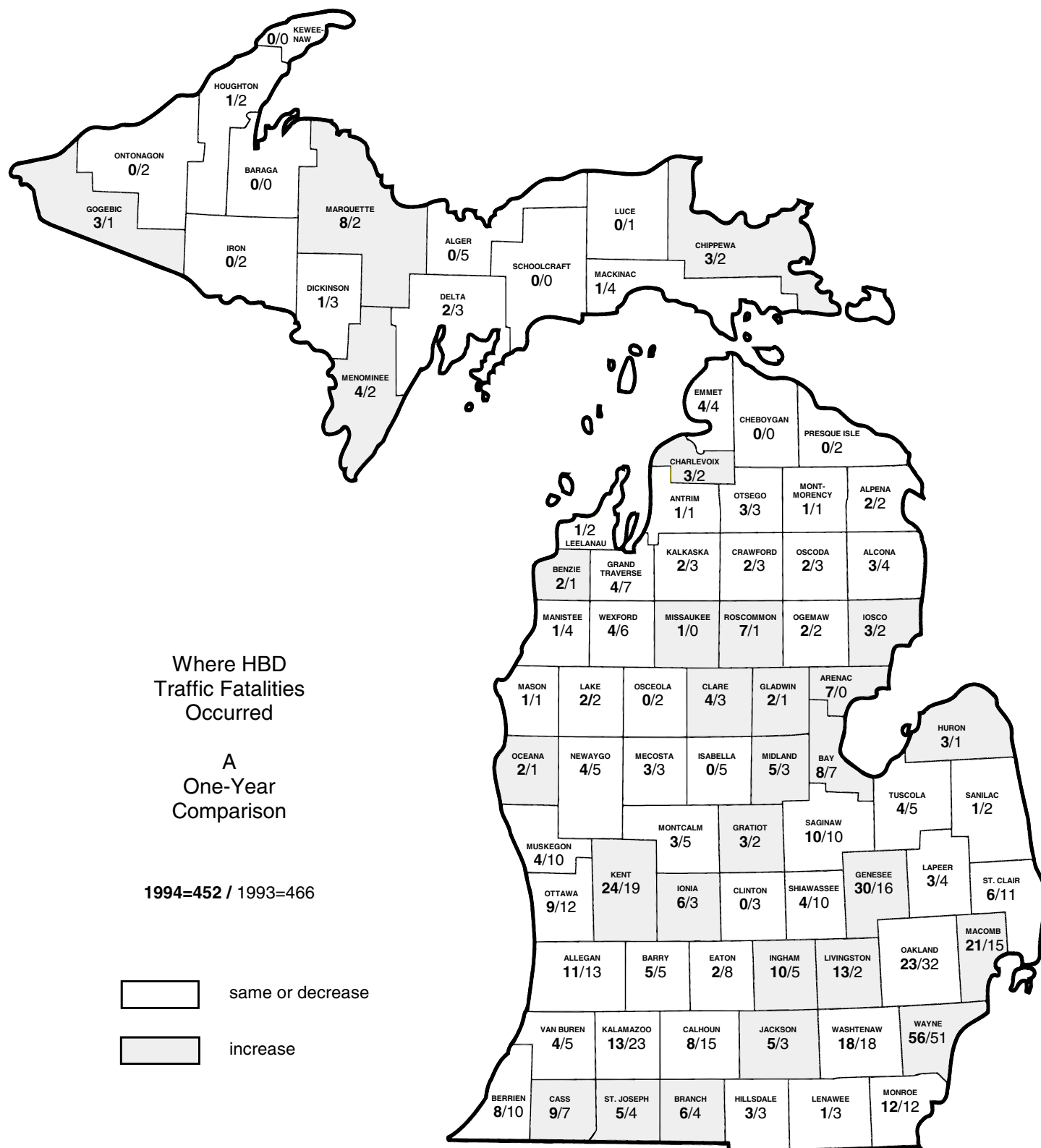
FATAL CRASHES AND FATALITIES WITH DRINKING INVOLVEMENT BY COUNTY

COUNTY	C R A S H E S			P E R S O N S		
	All Fatal Crashes	HBD Fatal Crashes	Percent HBD	Total Fatalities	HBD Fatalities	Percent HBD
Alcona	3	3	100.0	3	3	100.0
Alger	2	0	0.0	3	0	0.0
Allegan	26	10	38.5	30	11	36.7
Alpena	3	2	66.7	4	2	50.0
Antrim	4	1	25.0	5	1	20.0
Arenac	9	3	33.3	13	7	53.8
Baraga	1	0	0.0	1	0	0.0
Barry	9	4	44.4	13	5	38.5
Bay	13	8	61.5	14	8	57.1
Benzie	4	2	50.0	5	2	40.0
Berrien	32	8	25.0	34	8	23.5
Branch	11	6	54.5	11	6	54.5
Calhoun	16	8	50.0	16	8	50.0
Cass	16	6	37.5	20	9	45.0
Charlevoix	7	3	42.9	8	3	37.5
Cheboygan	1	0	0.0	1	0	0.0
Chippewa	8	3	37.5	8	3	37.5
Clare	8	4	50.0	8	4	50.0
Clinton	5	0	0.0	5	0	0.0
Crawford	2	2	100.0	2	2	100.0
Delta	4	1	25.0	6	2	33.3
Dickinson	2	1	50.0	5	1	20.0
Eaton	11	2	18.2	14	2	14.3
Emmet	9	4	44.4	9	4	44.4
Genesee	68	25	36.8	83	30	36.1
Gladwin	3	2	66.7	3	2	66.7
Gogebic	4	3	75.0	4	3	75.0
Grand Traverse	10	4	40.0	11	4	36.4
Gratiot	10	2	20.0	12	3	25.0
Hillsdale	7	3	42.9	7	3	42.9
Houghton	5	1	20.0	5	1	20.0
Huron	5	3	60.0	5	3	60.0
Ingham	28	9	32.1	31	10	32.3
Ionia	13	6	46.2	16	6	37.5
Iosco	5	3	60.0	5	3	60.0
Iron	0	0	0.0	0	0	0.0
Isabella	6	0	0.0	6	0	0.0
Jackson	25	5	20.0	30	5	16.7
Kalamazoo	30	12	40.0	33	13	39.4
Kalkaska	7	2	28.6	7	2	28.6
Kent	69	18	26.1	83	24	28.9
Keweenaw	0	0	0.0	0	0	0.0
Lake	3	2	66.7	3	2	66.7
Lapeer	16	3	18.8	16	3	18.8

**FATAL CRASHES AND FATALITIES
WITH DRINKING INVOLVEMENT
BY COUNTY (continued)**

COUNTY	C R A S H E S			P E R S O N S		
	All Fatal Crashes	HBD Fatal Crashes	Percent HBD	Total Fatalities	HBD Fatalities	Percent HBD
Leelanau	5	1	20.0	5	1	20.0
Lenawee	21	1	4.8	25	1	4.0
Livingston	31	12	38.7	39	13	33.3
Luce	0	0	0.0	0	0	0.0
Mackinac	4	1	25.0	4	1	25.0
Macomb	62	17	27.4	67	21	31.3
Manistee	2	1	50.0	2	1	50.0
Marquette	11	5	45.5	14	8	57.1
Mason	4	1	25.0	4	1	25.0
Mecosta	8	3	37.5	8	3	37.5
Menominee	6	3	50.0	9	4	44.4
Midland	12	3	25.0	17	5	29.4
Missaukee	3	1	33.3	3	1	33.3
Monroe	24	11	45.8	26	12	46.2
Montcalm	12	3	25.0	13	3	23.1
Montmorency	2	1	50.0	2	1	50.0
Muskegon	19	3	15.8	22	4	18.2
Newaygo	12	3	25.0	15	4	26.7
Oakland	77	22	28.6	79	23	29.1
Oceana	6	2	33.3	6	2	33.3
Ogemaw	4	2	50.0	4	2	50.0
Ontonagon	1	0	0.0	2	0	0.0
Osceola	5	0	0.0	6	0	0.0
Oscoda	2	1	50.0	3	2	66.7
Otsego	6	3	50.0	6	3	50.0
Ottawa	29	9	31.0	30	9	30.0
Presque Isle	1	0	0.0	1	0	0.0
Roscommon	11	6	54.5	13	7	53.8
Saginaw	22	10	45.5	22	10	45.5
Sanilac	9	1	11.1	11	1	9.1
Schoolcraft	3	0	0.0	3	0	0.0
Shiawassee	14	4	28.6	14	4	28.6
St. Clair	23	6	26.1	25	6	24.0
St. Joseph	11	4	36.4	13	5	38.5
Tuscola	14	4	28.6	17	4	23.5
Van Buren	14	4	28.6	15	4	26.7
Washtenaw	40	17	42.5	42	18	42.9
Wayne	204	52	25.5	224	56	25.0
Wexford	8	3	37.5	10	4	40.0
Totals	1,262	404	32.0	1,419	452	31.9

TRAFFIC FATALITIES WITH DRINKING INVOLVEMENT BY COUNTY



MOST SEVERE OUTCOME IN HBD CRASHES BY COUNTY

Note: While the Michigan *Traffic Crash Report* (UD-10) requests officers to report Bodily Alcohol Content (BAC) of all persons tested for alcohol after a traffic crash, only the BAC testing of deceased motor vehicle drivers and deceased railroad train engineers is required by law. Consequently, alcohol involvement in nonfatal crashes is frequently unreported, and is therefore generally believed to be higher than indicated in this table.

MOST SEVERE OUTCOME IN HBD CRASH

COUNTY	All HBD Crashes	Fatal	Injury			PDO
			A	B	C	
Alcona	62	3	14	10	9	26
Alger	46	0	10	11	6	19
Allegan	292	10	35	49	41	157
Alpena	87	2	14	26	12	33
Antrim	57	1	13	11	5	27
Arenac	83	3	12	20	7	41
Baraga	41	0	8	14	3	16
Barry	169	4	26	37	20	82
Bay	379	8	47	74	52	198
Benzie	48	2	4	9	6	27
Berrien	413	8	51	83	72	199
Branch	124	6	16	24	12	66
Calhoun	411	8	44	90	63	206
Cass	175	6	31	34	16	88
Charlevoix	81	3	12	9	14	43
Cheboygan	100	0	22	20	17	41
Chippewa	137	3	21	25	17	71
Clare	86	4	13	15	9	45
Clinton	143	0	21	33	15	74
Crawford	47	2	3	10	7	25
Delta	92	1	12	21	6	52
Dickinson	93	1	16	13	12	51
Eaton	237	2	27	51	27	130
Emmet	100	4	9	24	12	51
Genesee	1,631	25	100	346	301	859
Gladwin	62	2	14	12	4	30
Gogebic	59	3	5	11	3	37
Grand Traverse	197	4	18	44	28	103
Gratiot	94	2	12	14	11	55
Hillsdale	90	3	12	20	9	46
Houghton	109	1	11	13	20	64
Huron	88	3	17	13	19	36
Ingham	584	9	61	87	90	337
Ionia	153	6	18	22	26	81
Iosco	117	3	21	18	18	57
Iron	62	0	12	9	11	30
Isabella	158	0	14	27	20	97
Jackson	413	5	53	89	64	202
Kalamazoo	502	12	71	94	73	252
Kalkaska	60	2	11	14	4	29
Kent	1,130	18	107	179	194	632
Keweenaw	14	0	5	6	1	2

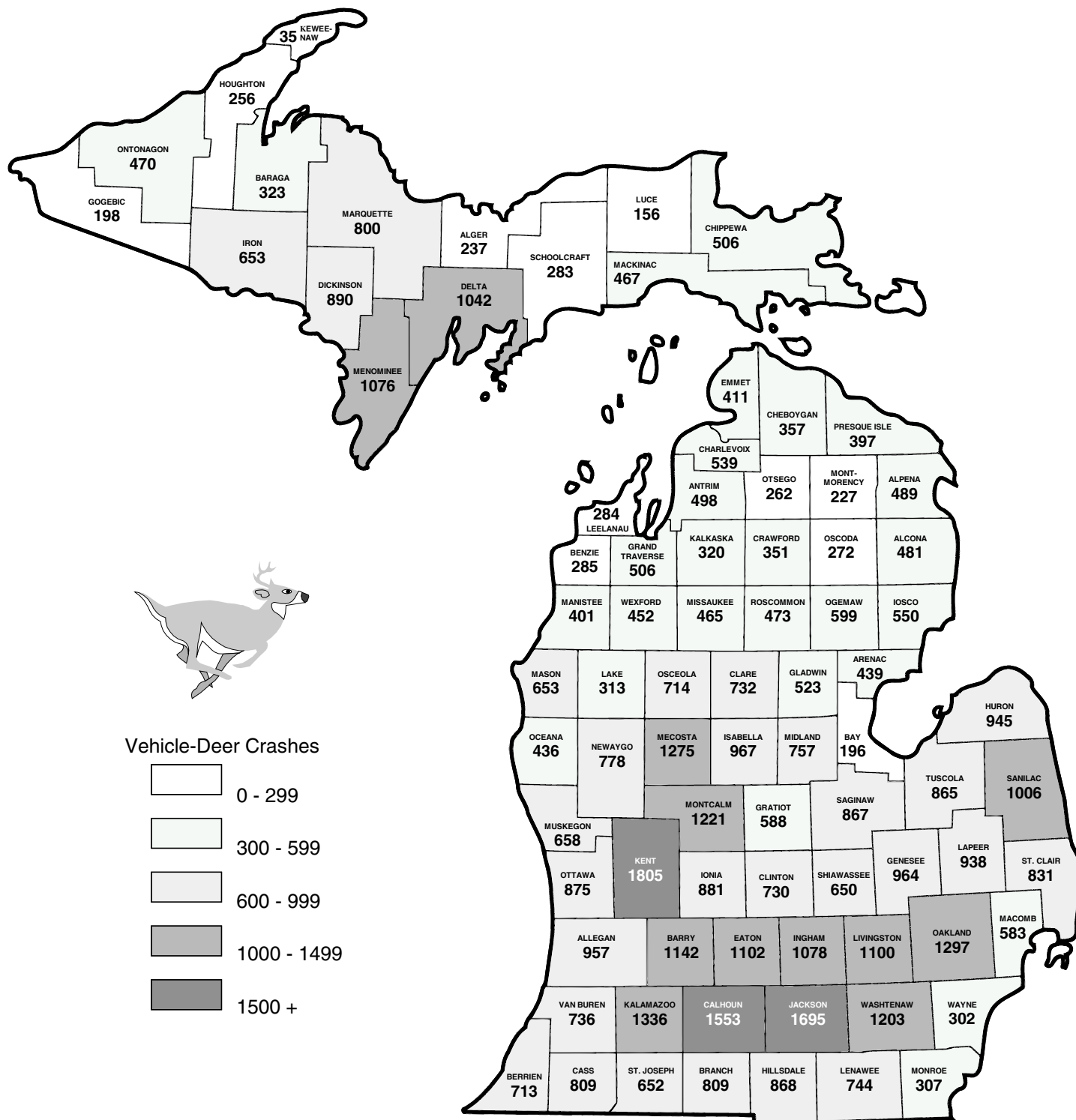
MOST SEVERE OUTCOME IN HBD CRASHES BY COUNTY (continued)

COUNTY	All HBD Crashes	Fatal	MOST SEVERE OUTCOME IN HBD CRASH Injury			PDO
			A	B	C	
Lake	45	2	12	11	1	19
Lapeer	249	3	35	40	39	132
Leelanau	51	1	7	14	3	26
Lenawee	202	1	14	53	30	104
Livingston	407	12	57	56	63	219
Luce	31	0	5	8	11	7
Mackinac	74	1	12	10	5	46
Macomb	1,670	17	177	287	316	873
Manistee	55	1	9	16	7	22
Marquette	218	5	27	35	21	130
Mason	75	1	14	11	12	37
Mecosta	108	3	18	28	5	54
Menominee	97	3	13	26	11	44
Midland	121	3	17	31	15	55
Missaukee	40	1	6	6	10	17
Monroe	424	11	70	83	68	192
Montcalm	228	3	44	41	30	110
Montmorency	47	1	9	8	7	22
Muskegon	416	3	53	63	65	232
Newaygo	149	3	25	30	28	63
Oakland	2,522	22	258	413	531	1,298
Oceana	87	2	8	15	18	44
Ogemaw	91	2	20	19	9	41
Ontonagon	50	0	12	9	4	25
Osceola	74	0	14	14	12	34
Oscoda	39	1	5	7	7	19
Otsego	74	3	17	14	8	32
Ottawa	401	9	37	71	64	220
Presque Isle	44	0	7	15	8	14
Roscommon	120	6	19	29	13	53
Saginaw	563	10	81	100	66	306
Sanilac	114	1	10	23	24	56
Schoolcraft	37	0	5	10	2	20
Shiawassee	213	4	27	50	35	97
St. Clair	468	6	59	96	69	238
St. Joseph	163	4	23	33	25	78
Tuscola	191	4	28	32	27	100
Van Buren	252	4	45	49	36	118
Washtenaw	575	17	59	109	108	282
Wayne	3,987	52	476	649	835	1,975
Wexford	129	3	11	33	18	64
Unknown	22	0	2	4	3	13
Totals	23,949	404	2,890	4,382	4,025	12,248

MICHIGAN MOTOR VEHICLE-DEER INVOLVED/ASSOCIATED CRASHES

Michigan had 56,666 reported motor vehicle-deer crashes during 1994. 2,043 people were injured and 5 people were killed as a result of those collisions. 66.4 percent of the vehicles were passenger cars.

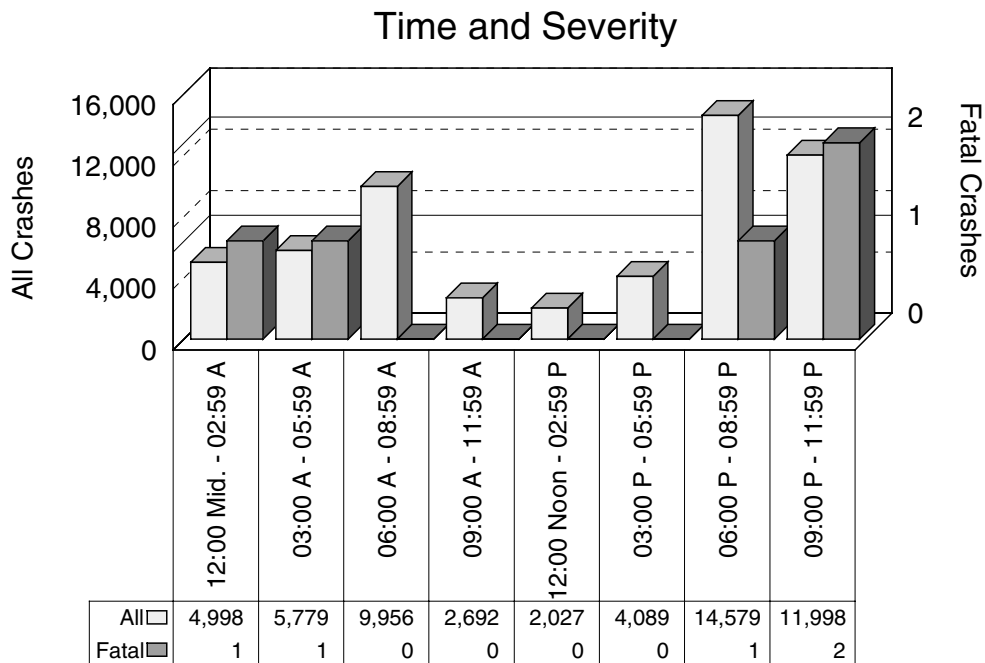
Contrary to common belief, motor vehicle-deer crashes are happening most often in Michigan's southern, heavily populated counties; Kent County had the highest number with 1,805 such crashes in 1994.



LIGHT CONDITION AND TIME OF DAY IN MOTOR VEHICLE-DEER CRASHES

LIGHT CONDITION	All Crashes		Fatal Crashes		Injury			PDO
	Number	% of Total	Number	% of Fatal	A	B	C	
Daylight	10,880	19.2	0	0.0	54	152	276	10,398
Dawn	4,341	7.7	0	0.0	8	33	78	4,222
Dusk	3,136	5.5	0	0.0	14	32	49	3,041
Dark - Lighted	1,876	3.3	0	0.0	3	16	28	1,829
Dark - Unlighted	35,842	63.3	5	100.0	82	313	603	34,839
Other/Unknown	591	1.0	0	0.0	1	4	7	579
Totals	56,666	100.0	5	100.0	162	550	1,041	54,908

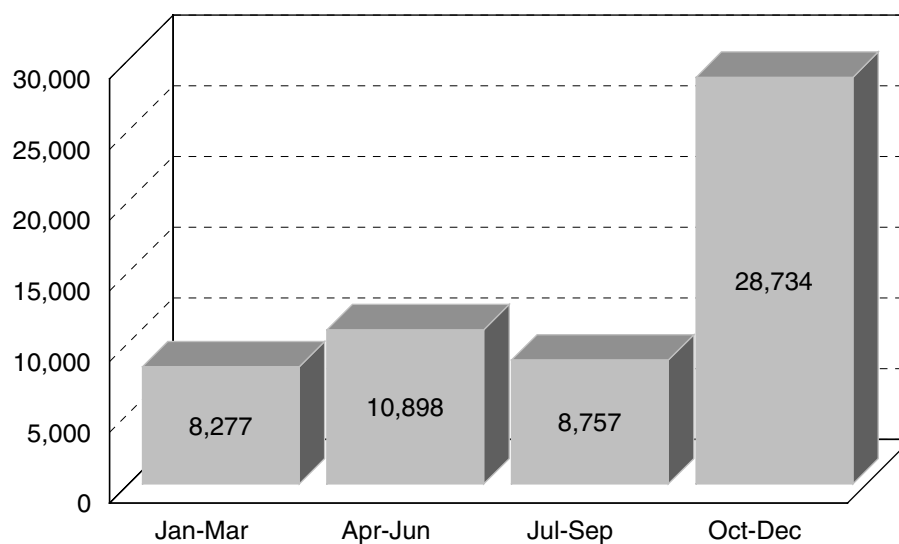
The five fatal deer crashes in Michigan in 1994 occurred in dark, unlighted conditions. All motor vehicle-deer involved/associated crashes peaked during the 6:00 - 8:59 PM time period. Fatal deer crashes peaked during the late evening hours (9:00 - 11:59 PM).



MONTHLY AND SEASONAL RATES FOR MOTOR VEHICLE-DEER CRASHES

MONTH	All Crashes		Fatal Crashes		Injury			PDO
	Number	% of Total	Number	% of Fatal	A	B	C	
January	2,852	5.0	2	40.0	2	6	37	2,805
February	1,895	3.3	0	0.0	1	9	19	1,866
March	3,530	6.2	0	0.0	6	31	53	3,440
April	3,316	5.9	0	0.0	10	38	69	3,199
May	3,832	6.8	1	20.0	17	55	79	3,680
June	3,750	6.6	0	0.0	18	49	76	3,607
July	2,952	5.2	0	0.0	25	46	69	2,812
August	2,208	3.9	0	0.0	17	39	60	2,092
September	3,597	6.3	0	0.0	19	49	60	3,469
October	9,458	16.7	1	20.0	24	114	201	9,118
November	12,402	21.9	0	0.0	20	78	216	12,088
December	6,874	12.1	1	20.0	3	36	102	6,732
Totals	56,666	100.0	5	100.0	162	550	1,041	54,908

All Motor Vehicle-Deer Crashes



Crashes involving deer occurred most frequently during the second quarter (19.3%) and the fourth quarter (50.7%) of the year for a total of 70 percent of all reported motor vehicle-deer collisions.

REPORTED STATEWIDE MOTOR VEHICLE-DEER CRASHES BY COUNTY IN MICHIGAN

COUNTY	All	Fatal	Injury	Property Damage	Inter- state	US Route	State Route	Local Street	Persons Killed	Persons Injured
Alcona	481	0	12	469	0	71	114	296	0	13
Alger	237	0	7	230	0	41	110	86	0	7
Allegan	957	0	33	924	59	77	156	665	0	36
Alpena	489	0	10	479	0	90	103	296	0	12
Antrim	498	0	10	488	0	95	89	314	0	11
Arenac	439	0	16	423	40	107	20	272	0	20
Baraga	323	0	7	316	0	123	48	152	0	11
Barry	1,142	0	45	1,097	0	0	397	745	0	48
Bay	196	0	12	184	11	12	45	128	0	12
Benzie	285	0	9	276	0	73	51	161	0	9
Berrien	713	0	34	679	109	134	88	382	0	38
Branch	809	0	25	784	93	77	51	588	0	31
Calhoun	1,553	0	32	1,521	197	0	211	1,145	0	34
Cass	809	0	28	781	0	60	265	484	0	33
Charlevoix	539	0	12	527	0	140	111	288	0	14
Cheboygan	357	0	10	347	56	18	95	188	0	11
Chippewa	506	0	21	485	41	0	209	256	0	27
Clare	732	0	19	713	0	149	154	429	0	25
Clinton	730	0	21	709	85	88	51	506	0	22
Crawford	351	0	4	347	38	7	113	193	0	6
Delta	1,042	0	18	1,024	0	232	199	611	0	22
Dickinson	890	0	19	871	0	239	252	399	0	19
Eaton	1,102	0	42	1,060	133	42	270	657	0	45
Emmet	411	0	10	401	0	109	36	266	0	11
Genesee	964	0	30	934	101	22	110	731	0	34
Gladwin	523	0	20	503	0	0	192	331	0	22
Gogebic	198	0	10	188	0	93	23	82	0	11
Grand Traverse	506	0	23	483	0	55	91	360	0	26
Gratiot	588	0	13	575	0	96	99	393	0	17
Hillsdale	868	0	17	851	0	96	163	609	0	23
Houghton	256	0	7	249	0	50	97	109	0	11
Huron	945	0	27	918	0	0	375	570	0	37
Ingham	1,078	0	25	1,053	95	71	142	770	0	30
Ionia	881	0	28	853	82	0	242	557	0	29
Iosco	550	0	20	530	0	92	131	327	0	24
Iron	653	0	16	637	0	155	222	276	0	20
Isabella	967	0	32	935	0	111	110	746	0	38
Jackson	1,695	0	43	1,652	92	126	273	1,204	0	50
Kalamazoo	1,336	0	48	1,288	62	104	100	1,070	0	51
Kalkaska	320	0	6	314	0	19	89	212	0	8
Kent	1,805	0	52	1,753	130	85	299	1,291	0	63
Keweenaw	35	0	2	33	0	15	2	18	0	2
Lake	313	0	10	303	0	51	62	200	0	14
Lapeer	938	0	26	912	77	0	238	623	0	31
Leelanau	284	0	5	279	0	0	116	168	0	5
Lenawee	744	0	27	717	0	134	191	419	0	35

REPORTED STATEWIDE MOTOR VEHICLE-DEER CRASHES BY COUNTY IN MICHIGAN (Continued)

COUNTY	All	Fatal	Injury	Property Damage	Inter- state	US Route	State Route	Local Street	Persons Killed	Persons Injured
Livingston	1,100	0	45	1,055	100	63	93	844	0	48
Luce	156	0	4	152	0	0	81	75	0	4
Mackinac	467	0	9	458	56	125	139	147	0	12
Macomb	583	0	40	543	22	0	96	465	0	42
Manistee	401	0	12	389	0	62	96	243	0	16
Marquette	800	1	27	772	0	215	149	436	1	34
Mason	653	0	26	627	0	222	12	419	0	39
Mecosta	1,275	0	29	1,246	0	198	213	864	0	36
Menominee	1,076	0	28	1,048	0	281	121	674	0	29
Midland	757	0	19	738	0	67	107	583	0	20
Missaukee	465	0	4	461	0	0	168	297	0	4
Monroe	307	0	16	291	20	77	17	193	0	20
Montcalm	1,221	1	42	1,178	0	34	342	845	1	49
Montmorency	227	0	7	220	0	0	95	132	0	7
Muskegon	658	0	19	639	19	83	64	492	0	23
Newaygo	778	0	22	756	0	0	227	551	0	26
Oakland	1,297	0	55	1,242	127	12	140	1,018	0	63
Oceana	436	0	22	414	0	128	38	270	0	22
Ogemaw	599	0	10	589	71	0	153	375	0	10
Ontonagon	470	0	16	454	0	110	229	131	0	18
Osceola	714	1	17	696	0	178	130	406	1	21
Oscoda	272	0	7	265	0	0	112	160	0	7
Otsego	262	0	10	252	43	0	33	186	0	13
Ottawa	875	0	23	852	71	36	90	678	0	27
Presque Isle	397	0	5	392	0	96	92	209	0	6
Roscommon	473	0	16	457	59	52	81	281	0	19
Saginaw	867	0	29	838	58	0	203	606	0	31
Sanilac	1,006	0	27	979	0	0	338	668	0	28
Schoolcraft	283	0	7	276	0	82	107	94	0	7
Shiawassee	650	0	29	621	66	0	154	430	0	33
St. Clair	831	1	26	804	115	0	122	594	1	31
St. Joseph	652	0	23	629	0	97	141	414	0	31
Tuscola	865	0	18	847	0	0	291	574	0	20
Van Buren	736	0	30	706	91	0	191	454	0	37
Washtenaw	1,203	0	62	1,141	60	109	89	945	0	76
Wayne	302	0	16	286	46	17	24	215	0	20
Wexford	452	1	10	441	0	48	192	212	1	13
UNKNOWN	62	0	3	59	0	0	0	62	0	3
Totals	56,666	5	1,753	54,908	2,525	5,751	11,575	36,815	5	2,043

1994

1994

1994

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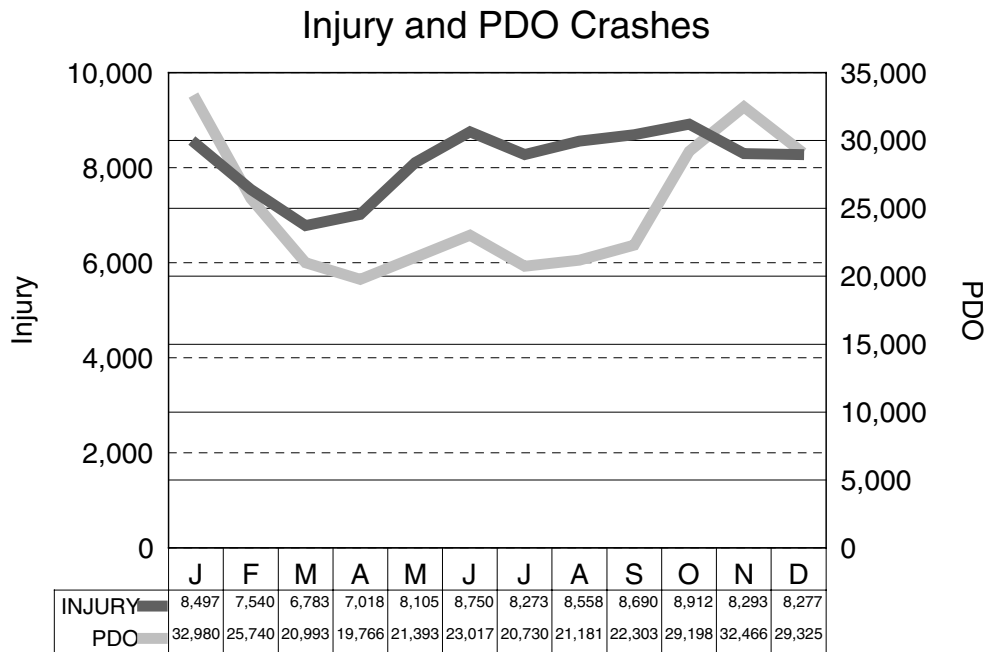
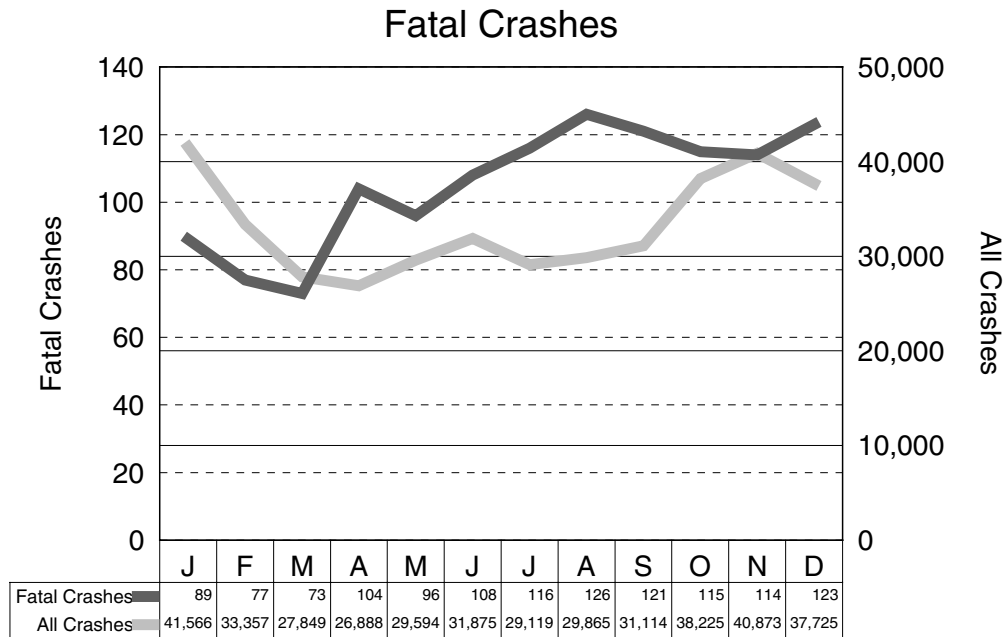
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Crash

ALL CRASHES INJURY SEVERITY BY MONTH

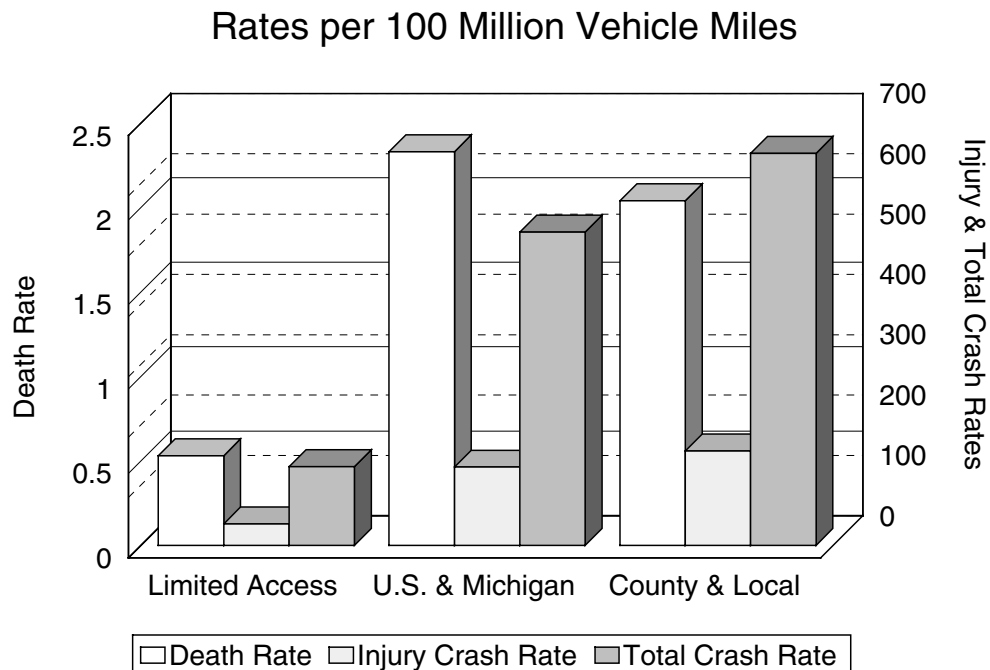


The charts on this page show that the months of April, May, June, July, August, September, October, and December are peak months in terms of the ratio of the number of crashes involving death or injury to the number of noninjury crashes. That is, if a person was in a motor vehicle crash during one of these months there was a higher chance of that crash resulting in death or injury to one of the involved persons than if that crash happened during one of the other months.

CRASH EXPERIENCE BY ROADWAY TYPE

The table below provides a detailed breakdown of estimated vehicle mileage, crashes, death rates (deaths per 100 million vehicle miles), and crash rates (crashes per 100 million vehicle miles) for the major roadway types in Michigan. All rates are lowest on limited access highways. 1994 estimated mileage figures were provided by the Michigan Department of Transportation [11].

STATEWIDE	Estimated Mileage (Billions)	All Crashes	Injury Crashes	Deaths	Total Crash Rate	Injury Crash Rate	Death Rate
Limited Access Roadways	25.4	33,133	8,971	134	130.4	35.3	0.5
U.S. & Michigan Roads	20.1	104,348	26,028	468	519.1	129.5	2.3
County & Local Roads	40.1	260,569	62,697	817	649.8	156.4	2.0
Totals	85.6	398,050	97,696	1,419	465.0	114.1	1.7



CRASH TYPE

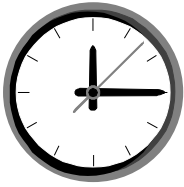
CRASH TYPE	All Crashes		Fatal Crashes		Injury			PDO
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	109,680	27.6	491	38.9	4,373	8,127	9,430	87,259
Head On	10,789	2.7	188	14.9	991	1,178	1,420	7,012
Head On - Left Turn	13,787	3.5	50	4.0	967	1,734	3,088	7,948
Angle	83,754	21.0	312	24.7	3,650	6,959	14,781	58,052
Rear End	94,843	23.8	92	7.3	1,875	4,379	21,888	66,609
Rear End - Left Turn	4,716	1.2	4	0.3	109	299	972	3,332
Rear End - Right Turn	3,081	0.8	1	0.1	24	90	504	2,462
Sideswipe - Same Direction	33,592	8.4	24	1.9	396	801	2,487	29,884
Sideswipe - Opposite Direct	13,012	3.3	17	1.3	223	463	1,115	11,194
Other	23,072	5.8	73	5.8	684	1,191	2,009	19,115
Unknown	7,724	1.9	10	0.8	208	391	890	6,225
Totals	398,050	100.0	1,262	100.0	13,500	25,612	58,584	299,092

Single Vehicle, Head On, and Angle crash types produce the highest number of fatal crashes (78.5%). Single Vehicle crashes include rollovers, which are particularly deadly crash types. Rear End - Turning and Sideswipe crashes produce the lowest number of fatal crashes (3.6%).

RELATION TO ROADWAY

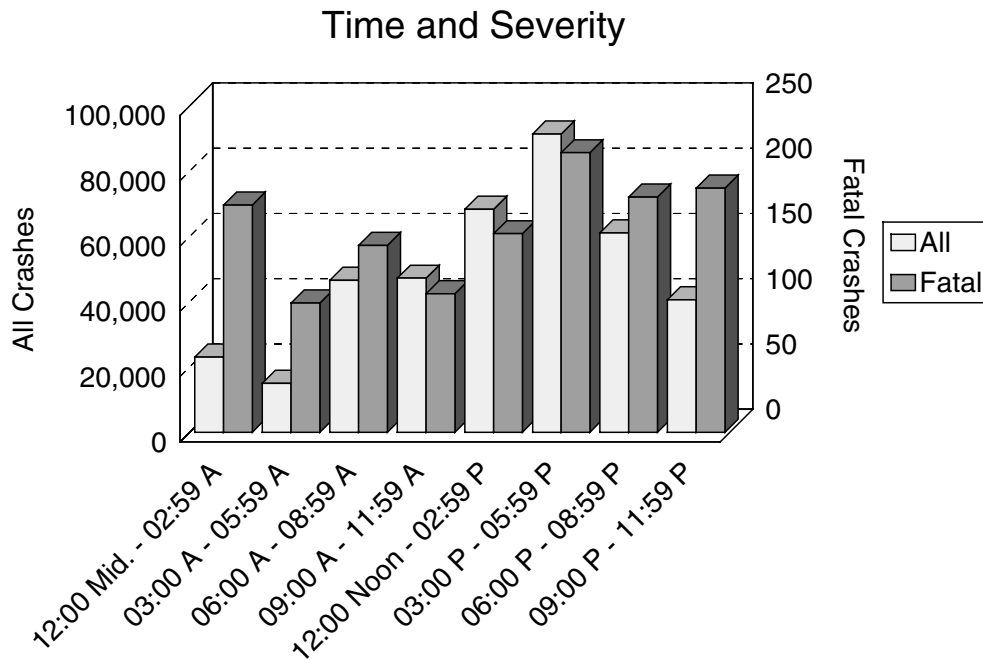
LOCATION OF FIRST IMPACT	All Crashes		Fatal Crashes		Injury			PDO
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	342,592	86.1	887	70.3	10,102	19,329	51,089	261,185
Median	2,363	0.6	17	1.3	179	272	413	1,482
Shoulder	16,420	4.1	89	7.1	773	1,573	2,072	11,913
Outside of Shoulder/Curb	28,358	7.1	239	18.9	2,028	3,741	4,006	18,344
Gore	629	0.2	4	0.3	38	78	96	413
Other/Unknown	7,688	1.9	26	2.1	380	619	908	5,755
Totals	398,050	100.0	1,262	100.0	13,500	25,612	58,584	299,092

Crashes that happen outside of the normal driving lanes are overrepresented in the fatal count. Only 7.1 percent of crashes occur outside the shoulder of the road, but these crashes account for 18.9 percent of the fatal crashes.

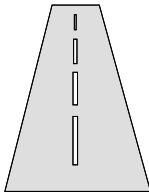


TIME AND SEVERITY

TIME OF DAY	All Crashes		Fatal Crashes		Injury			PDO
	Number	% of Total	Number	% of Fatal	A	B	C	
12:00 mid. - 02:59 a.m.	23,019	5.8	174	13.8	1,314	2,235	2,622	16,674
03:00 a.m. - 05:59 a.m.	14,983	3.8	99	7.8	605	1,102	1,346	11,831
06:00 a.m. - 08:59 a.m.	46,553	11.7	143	11.3	1,221	2,313	6,402	36,474
09:00 a.m. - 11:59 a.m.	47,178	11.9	106	8.4	1,447	2,766	7,391	35,468
12:00 noon - 02:59 p.m.	68,273	17.2	152	12.0	2,181	4,335	11,716	49,889
03:00 p.m. - 05:59 p.m.	91,348	22.9	214	17.0	2,866	5,915	15,527	66,826
06:00 p.m. - 08:59 p.m.	61,064	15.3	180	14.3	2,116	3,905	8,291	46,572
09:00 p.m. - 11:59 p.m.	40,527	10.2	187	14.8	1,637	2,841	4,762	31,100
Unknown	5,105	1.3	7	0.6	113	200	527	4,258
Total	398,050	100.0	1,262	100.0	13,500	25,612	58,584	299,092



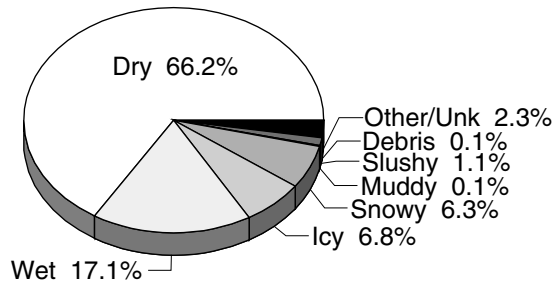
Crash frequencies peak in midafternoon and drop off by midnight, while fatal crash frequencies rise with the frequency of other crashes, but continue at a high rate well into the early morning hours. There are proportionally more fatal crashes during the midnight to 2:59 AM time period.



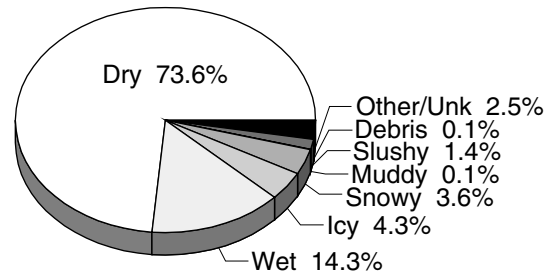
ROAD CONDITION

ROAD SURFACE CONDITION	All Crashes		Fatal Crashes		Injury			PDO
	Number	% of Total	Number	% of Fatal	A	B	C	
Dry	263,565	66.2	929	73.6	9,607	18,011	38,275	196,743
Wet	68,003	17.1	181	14.3	2,161	4,313	11,680	49,668
Icy	27,004	6.8	54	4.3	685	1,318	3,685	21,262
Snowy	25,020	6.3	46	3.6	578	1,139	2,920	20,337
Muddy	588	0.1	1	0.1	32	56	73	426
Slushy	4,285	1.1	18	1.4	127	239	690	3,211
Debris	237	0.1	1	0.1	13	20	41	162
Other/Unknown	9,348	2.3	32	2.5	297	516	1,220	7,283
Totals	398,050	100.0	1,262	100.0	13,500	25,612	58,584	299,092

ALL CRASHES



FATAL CRASHES



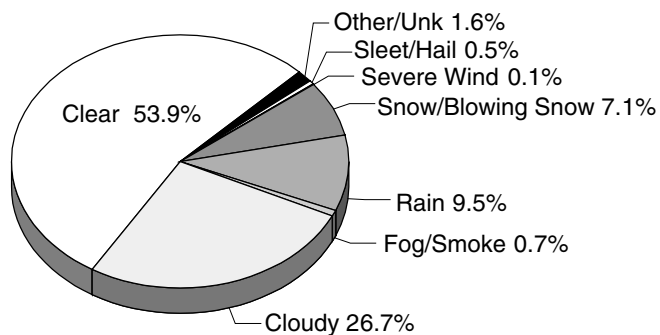
Most crashes (66.2%) and most fatal crashes (73.6%) occur on dry roads. This indicates that Michigan drivers do a good job of adjusting their driving behavior for bad road conditions.



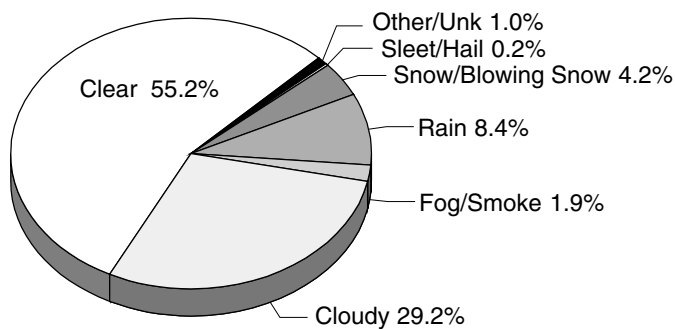
WEATHER CONDITION

WEATHER CONDITION	All Crashes		Fatal Crashes		Injury			PDO
	Number	% of Total	Number	% of Fatal	A	B	C	
Clear	214,443	53.9	696	55.2	7,825	14,460	31,265	160,197
Cloudy	106,186	26.7	368	29.2	3,442	6,805	15,729	79,842
Fog/Smoke	2,961	0.7	24	1.9	107	196	308	2,326
Rain	37,671	9.5	106	8.4	1,237	2,445	6,583	27,300
Snow/Blowing Snow	28,383	7.1	53	4.2	682	1,362	3,753	22,533
Severe Wind	329	0.1	0	0.0	12	22	42	253
Sleet/Hail	1,903	0.5	3	0.2	58	92	272	1,478
Other/Unknown	6,174	1.6	12	1.0	137	230	632	5,163
Totals	398,050	100.0	1,262	100.0	13,500	25,612	58,584	299,092

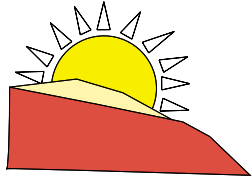
ALL CRASHES



FATAL CRASHES



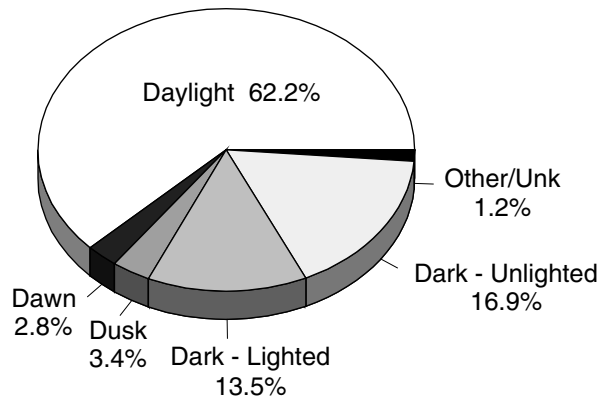
The majority of all crashes occur in good weather (53.9%) as do the majority of fatal crashes (55.2%). Of bad weather conditions, fog and smoke present the greatest hazard as they are overrepresented in fatal crashes.



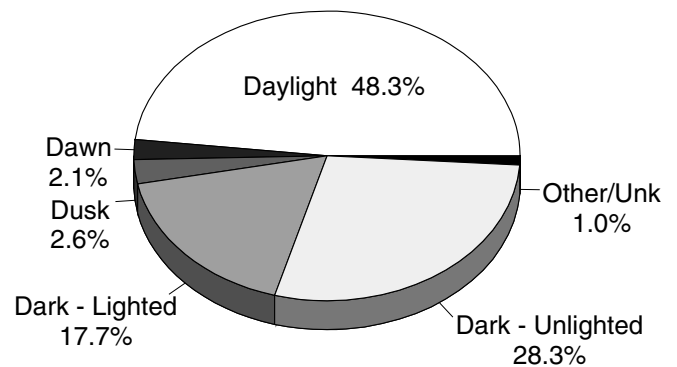
LIGHT CONDITION

LIGHT CONDITION	All Crashes		Fatal Crashes		Injury			PDO
	Number	% of Total	Number	% of Fatal	A	B	C	
Daylight	247,391	62.2	609	48.3	8,136	16,140	41,490	181,016
Dawn	11,183	2.8	27	2.1	256	505	1,182	9,213
Dusk	13,502	3.4	33	2.6	436	776	1,823	10,434
Dark - Lighted	53,686	13.5	224	17.7	2,402	4,391	8,510	38,159
Dark - Unlighted	67,413	16.9	357	28.3	2,166	3,621	5,140	56,129
Other/Unknown	4,875	1.2	12	1.0	104	179	439	4,141
Totals	398,050	100.0	1,262	100.0	13,500	25,612	58,584	299,092

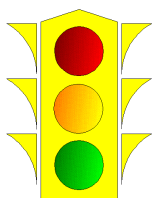
ALL CRASHES



FATAL CRASHES



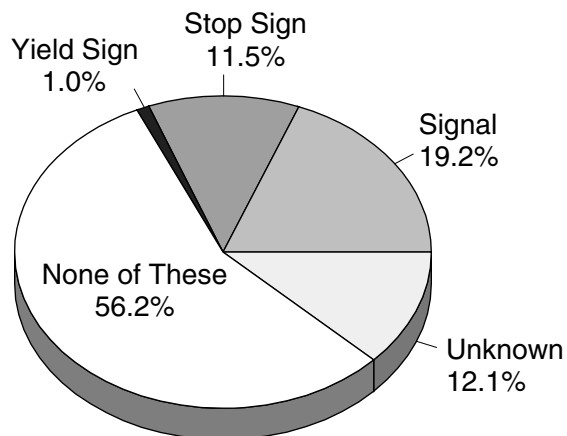
The majority of all crashes happen during the day, while the majority of fatal crashes happen during nondaylight hours. Areas without street lights have the highest fatality rate.



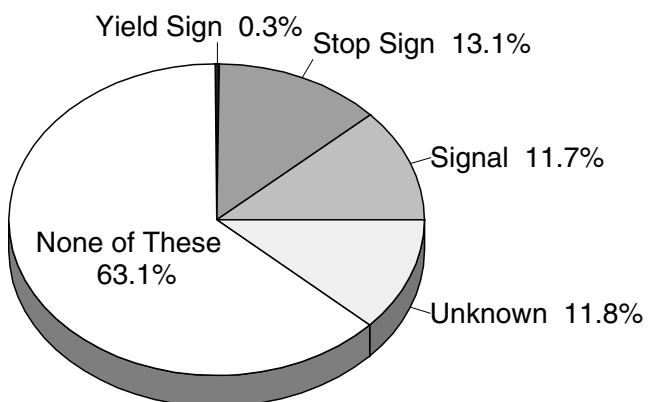
CRASH RATES AT INTERSECTIONS BY TRAFFIC CONTROL TYPE

TRAFFIC CONTROL TYPE	All Crashes		Fatal Crashes		Injury			PDO
	Number	% of Total	Number	% of Fatal	A	B	C	
Signal	76,393	19.2	148	11.7	2,545	5,275	16,298	52,127
Stop Sign	45,791	11.5	165	13.1	1,940	3,737	7,786	32,163
Yield Sign	3,904	1.0	4	0.3	173	278	746	2,703
None of These	223,767	56.2	796	63.1	7,410	13,808	28,400	173,353
Unknown	48,195	12.1	149	11.8	1,432	2,514	5,354	38,746
Totals	398,050	100.0	1,262	100.0	13,500	25,612	58,584	299,092

ALL CRASHES



FATAL CRASHES





CONSTRUCTION ZONE CRASHES

CONSTRUCTION ZONE TYPE	All Crashes		Fatal Crashes		Injury			PDO
	Number	% of Total	Number	% of Fatal	A	B	C	
Construction/Maintenance								
Activity - On Road								
Lane Closed	2,195	40.7	4	19.0	68	102	367	1,654
Lane Open	752	13.9	3	14.3	28	39	131	551
Unk Lane Closure	108	2.0	1	4.8	4	11	21	71
Activity - Off Road								
Lane Closed	269	5.0	0	0.0	3	12	50	204
Lane Open	534	9.9	0	0.0	20	34	98	382
Unk Lane Closure	33	0.6	0	0.0	1	3	8	21
Activity - None								
Lane Closed	569	10.6	5	23.8	18	41	112	393
Lane Open	667	12.4	6	28.6	30	59	111	461
Unk Lane Closure	51	0.9	0	0.0	3	3	13	32
Activity - Unknown								
Lane Closed	86	1.6	2	9.5	0	4	15	65
Lane Open	38	0.7	0	0.0	1	3	7	27
Unk Lane Closure	90	1.7	0	0.0	3	2	13	72
Sub-Total	5,392	100.0	21	100.0	179	313	946	3,933

Utility								
Activity - On Road								
Lane Closed	157	26.2	1	14.3	3	10	19	124
Lane Open	103	17.2	0	0.0	7	9	17	70
Unk Lane Closure	14	2.3	0	0.0	3	1	3	7
Activity - Off Road								
Lane Closed	37	6.2	1	14.3	0	3	5	28
Lane Open	78	13.0	1	14.3	3	9	14	51
Unk Lane Closure	5	0.8	0	0.0	0	0	0	5
Activity - None								
Lane Closed	16	2.7	0	0.0	0	5	5	6
Lane Open	53	8.8	1	14.3	2	4	7	39
Unk Lane Closure	1	0.2	0	0.0	0	0	0	1
Activity - Unknown								
Lane Closed	6	1.0	0	0.0	0	2	0	4
Lane Open	10	1.7	1	14.3	0	0	2	7
Unk Lane Closure	120	20.0	2	28.6	2	8	20	88
Sub-Total	600	100.0	7	100.0	20	51	92	430
Total	5,992	100.0	28	100.0	199	364	1,038	4,363

1994

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**Vehicle/
Driver**



VEHICLE TYPE CRASH INVOLVEMENT



MOST SEVERE OUTCOME IN CRASH

MOST SEVERE OUTCOME IN VEHICLE

Vehicle Types	Motor Vehicles		Fatal Crash		Injury	PDO	Fatality in Veh		Injury	PDO
	Number	% of Total	Number	% of Total			Number	% of Total		
Passenger Car and Station Wagon	500,749	74.3	1,299	63.3	135,475	363,975	794	73.6	86,733	370,899
Van and Motorhome	46,989	7.0	124	6.0	11,561	35,304	43	4.0	6,028	37,405
Pickup	92,362	13.7	314	15.3	21,382	70,666	129	12.0	11,303	74,875
Small Truck (under 10,000 lbs.)	8,543	1.3	35	1.7	2,041	6,467	8	0.7	1,032	6,916
Cycle	2,982	0.4	66	3.2	2,288	628	64	5.9	2,224	572
Moped	376	0.1	6	0.3	278	92	4	0.4	269	89
Go Cart	10	0.0	0	0.0	3	7	0	0.0	3	6
Snowmobile	460	0.1	11	0.5	318	131	9	0.8	282	148
Off Road Vehicle	253	0.0	9	0.4	184	60	8	0.7	171	64
Other	1,949	0.3	11	0.5	466	1,472	5	0.5	220	1,431
CDL Truck/Bus (breakdown below)	19,139	2.8	177	8.6	4,259	14,703	15	1.4	1,114	16,570
Totals	673,812*	100.0	2,052	100.0	178,255	493,505	1,079	100.0	109,379	508,975

* Includes 54,379 with unknown injury severity for Most Severe Outcome in Vehicle

CDL Truck/Bus Sub-category Types

CDL Truck/Bus Sub-category Types	Motor Vehicles		Fatal Crash		Injury	PDO	Fatality in Veh		Injury	PDO
	Number	% of Total	Number	% of Total			Number	% of Total		
Uncoded Truck	2,060	10.8	4	2.3	380	1,676	1	6.7	79	1,426
Commercial Vehicle: Group A	8,859	46.3	103	58.2	2,004	6,752	9	60.0	466	8,076
Commercial Vehicle: Group B	4,462	23.3	38	21.5	998	3,426	3	20.0	333	3,966
Commercial Vehicle: Group C	525	2.7	1	0.6	111	413	0	0.0	44	464
Other Truck	887	4.6	6	3.4	222	659	1	6.7	63	783
Unknown Truck	2,346	12.3	25	14.1	544	1,777	1	6.7	129	1,855
Totals	19,139*	100.0	177	100.0	4,259	14,703	15	100.0	1,114	16,570

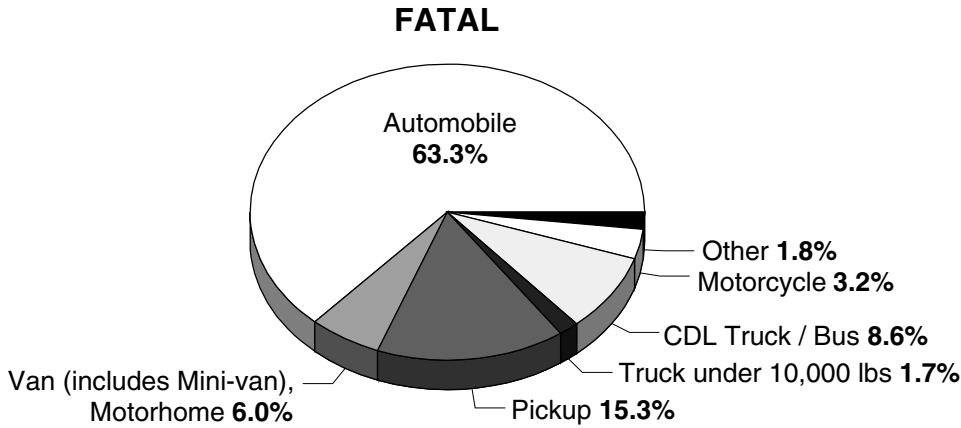
* Includes 1,440 with unknown injury severity for Most Severe Outcome in Vehicle

Group "A" is any vehicle that is towing a vehicle or trailer that has a gross vehicle weight rating (GVWR) over 10,000 lbs.

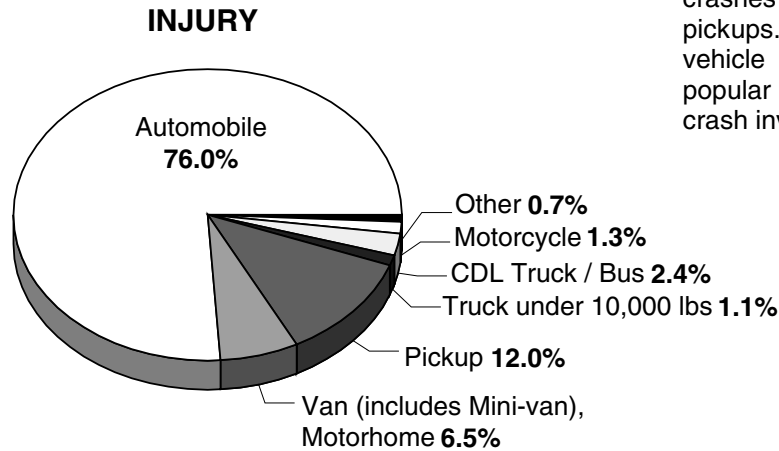
Group "B" is any single vehicle (including buses) with a GVWR of 26,001 lbs. or more. This would include a combination of vehicles with a combined GVWR over 26,000 lbs. when towing a trailer that has a GVWR of 10,000 lbs. or less.

Group "C" is any single vehicle with a GVWR of less than 26,001 lbs. or a combination of vehicles having a combined GVWR under 26,001 lbs. when the vehicle is required to display placards for hazardous material or designed to carry 16 passengers (including driver). Group "C" is also any vehicle carrying 15 or less people (including driver) transporting children to or from school and home on a regular basis for compensation.

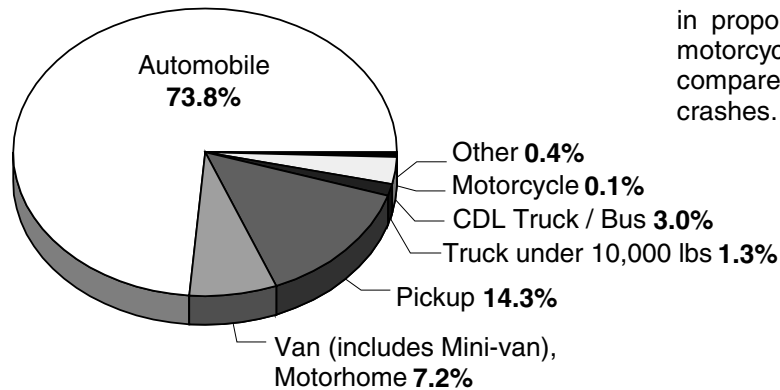
VEHICLE TYPES IN CRASHES BY CRASH SEVERITY



The top chart shows that 4 out of 5 vehicles involved in fatal crashes are automobiles or pickups. Van, Motorhome, the vehicle type that includes the popular mini-van, has a fatal crash involvement of 6.0 percent.



PROPERTY DAMAGE ONLY



As with fatal crashes, Injury and PDO crashes are represented primarily by cars and pickups. One should also note the decline in proportional representation for motorcycles and heavy trucks compared to their levels in fatal crashes.

ACTION PRIOR TO CRASH

MOST SEVERE OUTCOME IN CRASH

DRIVER ACTION	All Vehicles		Fatal	Injury			PDO
	Number	% of Total		A	B	C	
Going straight ahead	345,905	51.3	1,441	14,251	25,297	56,302	248,614
Turning left	54,635	8.1	124	2,202	4,493	9,715	38,101
Turning right	19,669	2.9	17	387	930	2,332	16,003
Stopped on roadway	63,011	9.4	61	1,461	3,428	15,694	42,367
In prior crash	1,169	0.2	3	53	97	247	769
Changing lanes	14,491	2.2	42	335	594	1,676	11,844
Backing	17,506	2.6	7	122	231	798	16,348
Slowing/stopping on roadway	47,376	7.0	30	801	2,095	10,850	33,600
Slowing/stopping other	999	0.1	2	27	55	147	768
Starting up on roadway	11,529	1.7	35	363	757	2,177	8,197
Starting up other	530	0.1	0	21	44	80	385
Entering parking	1,132	0.2	3	11	37	102	979
Leaving parking	3,219	0.5	1	56	162	375	2,625
Entering roadway	10,368	1.5	24	357	654	1,661	7,672
Leaving roadway	1,743	0.3	14	143	235	234	1,117
Making U-turn	1,733	0.3	5	80	133	290	1,225
Overtaking or passing	6,904	1.0	42	266	467	898	5,231
Avoiding object	1,952	0.3	1	72	186	277	1,416
Avoiding pedestrian	210	0.0	8	28	32	39	103
Avoiding vehicle (front/back)	5,376	0.8	38	262	420	948	3,708
Avoiding vehicle (angle)	2,466	0.4	7	98	207	392	1,762
Driverless moving	649	0.1	2	11	24	31	581
Parked	29,768	4.4	36	506	988	1,337	26,901
Crossing at intersection	55	0.0	1	4	4	10	36
Crossing not at intersection	17	0.0	0	2	4	3	8
Getting on/off vehicle	8	0.0	0	0	1	1	6
In roadway with traffic	13	0.0	0	0	2	1	10
In roadway against traffic	6	0.0	0	1	0	2	3
Standing/lying in roadway	7	0.0	0	1	0	1	5
Pushing/working on vehicle	13	0.0	1	2	2	1	7
Other working in roadway	4	0.0	0	0	1	1	2
Playing in roadway	3	0.0	0	0	1	0	2
In roadway other reason	10	0.0	0	2	0	2	6
Not in roadway	9	0.0	0	1	2	2	4
Other	676	0.1	4	37	60	96	479
Unknown	30,651	4.5	103	948	1,868	5,111	22,621
TOTAL	673,812	100.0	2,052	22,911	43,511	111,833	493,505

ACTION PRIOR TO CRASH (continued)

MOTORCYCLIST - INJURY SEVERITY

MOTORCYCLIST ACTION	All Motorcycles		All Motorcyclists		Fatal	Injury			PDO
	Number	% of Total	Number	% of Total		A	B	C	
Going straight ahead	1,944	65.2	2,144	65.8	50	551	694	436	355
Turning left	141	4.7	150	4.6	2	20	53	35	35
Turning right	85	2.9	97	3.0	0	16	21	31	28
Stopped on roadway	104	3.5	112	3.4	0	15	23	34	39
In prior crash	1	0.0	1	0.0	0	0	0	0	1
Changing lanes	35	1.2	38	1.2	1	9	13	9	5
Backing	3	0.1	4	0.1	0	0	2	2	0
Slowing/stopping on roadway	129	4.3	139	4.3	1	20	39	39	37
Slowing/stopping other	4	0.1	4	0.1	0	1	1	1	1
Starting up on roadway	48	1.6	51	1.6	0	8	15	11	17
Starting up other	5	0.2	5	0.2	0	0	1	2	2
Entering parking	0	0.0	0	0.0	0	0	0	0	0
Leaving parking	8	0.3	8	0.2	0	0	3	2	3
Entering roadway	24	0.8	26	0.8	1	7	8	7	3
Leaving roadway	21	0.7	22	0.7	2	10	3	3	2
Making U-turn	14	0.5	14	0.4	0	4	1	4	5
Overtaking or passing	77	2.6	83	2.5	3	23	28	15	12
Avoiding object	33	1.1	35	1.1	0	4	13	7	10
Avoiding pedestrian	3	0.1	3	0.1	0	0	2	1	0
Avoiding vehicle (front/back)	61	2.0	64	2.0	1	20	21	13	8
Avoiding vehicle (angle)	36	1.2	38	1.2	1	6	16	8	7
Driverless moving	2	0.1	2	0.1	0	0	1	0	0
Parked	53	1.8	54	1.7	0	0	0	2	15
Crossing at intersection	0	0.0	0	0.0	0	0	0	0	0
Crossing not at intersection	0	0.0	0	0.0	0	0	0	0	0
Getting on/off vehicle	0	0.0	0	0.0	0	0	0	0	0
In roadway with traffic	0	0.0	0	0.0	0	0	0	0	0
In roadway against traffic	0	0.0	0	0.0	0	0	0	0	0
Standing/lying in roadway	0	0.0	0	0.0	0	0	0	0	0
Pushing/working on vehicle	0	0.0	0	0.0	0	0	0	0	0
Other working in roadway	0	0.0	0	0.0	0	0	0	0	0
Playing in roadway	0	0.0	0	0.0	0	0	0	0	0
In roadway other reason	0	0.0	0	0.0	0	0	0	0	0
Not in roadway	0	0.0	0	0.0	0	0	0	0	0
Other	9	0.3	9	0.3	0	4	3	2	0
Unknown	142	4.8	155	4.8	4	27	45	39	31
TOTAL	2,982	100.0	3,258*	100.0	66	745	1,006	703	616

* Includes 122 motorcyclists (drivers and passengers) with unknown injury severity

ACTION PRIOR TO CRASH (continued)

BICYCLIST - INJURY SEVERITY

BICYCLIST ACTION	All Bicycles		Fatal	Injury			PDO
	Number	% of Total		A	B	C	
Going straight ahead	1,893	57.4	14	219	703	652	248
Turning left	132	4.0	1	25	54	30	20
Turning right	43	1.3	0	8	18	9	7
Stopped on roadway	31	0.9	0	2	7	14	7
In prior crash	1	0.0	0	1	0	0	0
Changing lanes	54	1.6	0	15	18	13	5
Backing	1	0.0	0	0	1	0	0
Slowing/stopping on roadway	7	0.2	0	0	5	1	1
Slowing/stopping other	10	0.3	0	2	1	6	1
Starting up on roadway	11	0.3	0	2	3	4	2
Starting up other	6	0.2	0	2	3	1	0
Entering parking	4	0.1	0	1	2	1	0
Leaving parking	5	0.2	0	0	3	1	1
Entering roadway	236	7.2	6	31	91	78	25
Leaving roadway	7	0.2	0	0	2	2	3
Making U-turn	15	0.5	0	5	5	4	0
Overtaking or passing	9	0.3	0	2	5	2	0
Avoiding object	3	0.1	0	1	1	0	1
Avoiding pedestrian	3	0.1	0	0	2	0	0
Avoiding vehicle (front/back)	11	0.3	0	2	7	2	0
Avoiding vehicle (angle)	11	0.3	0	3	6	2	0
Driverless moving	1	0.0	0	0	0	0	1
Parked	6	0.2	0	1	4	0	0
Crossing at intersection	255	7.7	2	33	94	89	32
Crossing not at intersection	123	3.7	3	26	47	34	9
Getting on/off vehicle	3	0.1	0	2	1	0	0
In roadway with traffic	29	0.9	0	6	12	10	1
In roadway against traffic	26	0.8	0	3	8	7	5
Standing/lying in roadway	4	0.1	0	0	2	1	1
Pushing/working on vehicle	1	0.0	0	1	0	0	0
Other working in roadway	0	0.0	0	0	0	0	0
Playing in roadway	12	0.4	0	2	3	6	0
In roadway other reason	19	0.6	0	4	6	8	1
Not in roadway	21	0.6	0	4	3	8	5
Other	57	1.7	0	6	20	21	7
Unknown	248	7.5	3	29	83	76	41
TOTAL	3,298*	100.0	29	438	1,220	1,082	424

* Includes 105 bicyclists with unknown injury severity

ACTION PRIOR TO CRASH (continued)

PEDESTRIAN - INJURY SEVERITY

PEDESTRIAN ACTION	All Pedestrians		Fatal	Injury			PDO
	Number	% of Total		A	B	C	
Going straight ahead	155	3.9	0	32	44	51	19
Turning left	19	0.5	1	5	6	7	0
Turning right	8	0.2	1	0	5	1	1
Stopped on roadway	16	0.4	0	4	4	8	0
In prior crash	4	0.1	0	1	0	1	1
Changing lanes	0	0.0	0	0	0	0	0
Backing	1	0.0	0	0	0	1	0
Slowing/stopping on roadway	0	0.0	0	0	0	0	0
Slowing/stopping other	1	0.0	0	0	0	1	0
Starting up on roadway	2	0.0	0	0	0	1	1
Starting up other	0	0.0	0	0	0	0	0
Entering parking	0	0.0	0	0	0	0	0
Leaving parking	1	0.0	0	0	0	1	0
Entering roadway	39	1.0	4	18	10	7	0
Leaving roadway	10	0.2	0	5	1	4	0
Making U-turn	0	0.0	0	0	0	0	0
Overtaking or passing	2	0.0	0	0	1	1	0
Avoiding object	1	0.0	0	0	0	1	0
Avoiding pedestrian	1	0.0	0	0	0	1	0
Avoiding vehicle (front/back)	4	0.1	1	0	1	2	0
Avoiding vehicle (angle)	1	0.0	0	1	0	0	0
Driverless moving	3	0.1	0	1	1	1	0
Parked	29	0.7	1	2	5	7	8
Crossing at intersection	832	20.7	25	192	241	310	32
Crossing not at intersection	1,172	29.2	66	338	392	302	34
Getting on/off vehicle	88	2.2	1	16	39	26	3
In roadway with traffic	191	4.8	12	53	54	61	8
In roadway against traffic	70	1.7	3	17	16	31	2
Standing/lying in roadway	124	3.1	14	30	36	35	3
Pushing/working on vehicle	52	1.3	4	15	15	14	2
Other working in roadway	43	1.1	3	5	13	19	2
Playing in roadway	82	2.0	0	22	36	18	1
In roadway other reason	199	5.0	8	58	60	58	11
Not in roadway	190	4.7	14	50	60	60	1
Other	111	2.8	1	29	31	38	6
Unknown	563	14.0	23	134	169	166	23
TOTAL	4,014*	100.0	182	1,028	1,240	1,234	158

* Includes 172 pedestrians with unknown injury severity

MOST HARMFUL EVENT

MOST SEVERE OUTCOME IN CRASH

NONCOLLISION	Motor Vehicles		Fatal	Injury			PDO
	Number	% of Total		A	B	C	
Loss of control	5,553	0.8	13	275	492	963	3,810
Cross center/median	1,308	0.2	11	68	83	208	938
Ran off road left	1,012	0.2	4	46	95	116	751
Ran off road right	1,820	0.3	2	74	150	297	1,297
Re-enter road	217	0.0	1	12	23	22	159
Overturn	8,315	1.2	106	949	1,583	1,886	3,791
Separation of units	1,735	0.3	7	57	87	289	1,295
Fire/explosion	938	0.1	13	15	29	87	794
Immersion	81	0.0	2	2	7	10	60
Jackknife	528	0.1	1	13	21	55	438
Downhill runaway	93	0.0	0	3	4	15	71
Cargo loss/shift	773	0.1	5	7	16	37	708
Individual fell off	528	0.1	17	150	169	75	117
Other noncollision	2,294	0.3	5	83	163	289	1,754
NONCOLLISION Subtotal	25,195	3.7	187	1,754	2,922	4,349	15,983

MOST SEVERE OUTCOME IN CRASH

HAD A COLLISION WITH NONFIXED OBJECT	Motor Vehicles		Fatal	Injury			PDO
	Number	% of Total		A	B	C	
Pedestrian	3,106	0.5	163	799	956	902	286
Pedalcycle	2,811	0.4	28	374	1,000	882	527
Motor vehicle in transport	442,660	65.7	1,191	14,284	27,910	84,235	315,040
Parked motor vehicle	17,333	2.6	19	327	657	1,046	15,284
Railway train	180	0.0	14	24	23	27	92
Animal	50,142	7.4	3	75	318	669	49,077
Other nonfixed objects	5,705	0.8	11	105	237	433	4,919
COLLISION NONFIXED Subtotal	521,937	77.5	1,429	15,988	31,101	88,194	385,225

MOST HARMFUL EVENT (continued)

HAD A COLLISION WITH FIXED OBJECT	MOST SEVERE OUTCOME IN CRASH						
	Motor Vehicles		Fatal	Injury			PDO
	Number	% of Total		A	B	C	
Bridge/pier/abutment	778	0.1	5	64	101	120	488
Bridge parapet end	473	0.1	1	13	13	34	412
Bridge rail	428	0.1	0	19	52	68	289
Guardrail face	2,444	0.4	4	84	180	349	1,827
Guardrail end	473	0.1	5	32	59	78	299
Median barrier	2,172	0.3	1	130	269	503	1,269
Highway traffic sign post	2,441	0.4	2	25	64	135	2,215
Signal post	289	0.0	1	7	23	19	239
Luminaire/light support	626	0.1	3	40	65	76	442
Utility pole	3,766	0.6	21	322	655	583	2,185
Other pole	1,119	0.2	4	52	107	118	838
Culvert	749	0.1	7	79	130	109	424
Curb	1,729	0.3	2	40	105	163	1,419
Ditch	5,417	0.8	14	276	634	905	3,588
Embankment	1,647	0.2	8	117	251	273	998
Fence	1,401	0.2	3	28	63	96	1,211
Mailbox	2,116	0.3	0	19	52	105	1,940
Tree	9,636	1.4	154	1,082	1,639	1,472	5,289
Rail crossing signal	118	0.0	0	3	7	8	100
Building	954	0.1	10	68	141	143	592
Traffic island	51	0.0	0	2	5	3	41
Fire hydrant	469	0.1	2	22	39	49	357
Impact attenuator	76	0.0	1	15	4	15	41
Other fixed object	3,002	0.4	11	95	262	297	2,337
COLLISION FIXED Subtotal	42,374	6.3	259	2,634	4,920	5,721	28,840

	MOST SEVERE OUTCOME IN CRASH						
	Motor Vehicles		Fatal	Injury			PDO
	Number	% of Total		A	B	C	
Unknown Event	84,306	12.5	177	2,535	4,568	13,569	63,457
TOTAL MOST HARMFUL EVENT	673,812	100.0	2,052	22,911	43,511	111,833	493,505

VEHICLE DEFECTS IN CRASH INVOLVEMENT

VEHICLE DEFECTS	MOST SEVERE OUTCOME IN CRASH						
	Motor Vehicles		Fatal	Injury			PDO
	Number	% of Total		A	B	C	
Brakes	2,665	0.4	3	102	199	533	1,828
Lights/reflectors	568	0.1	4	18	37	97	412
Steering	363	0.1	6	24	26	49	258
Tires/wheels	914	0.1	8	43	102	145	616
Windows	368	0.1	1	25	19	72	251
Other	1,749	0.3	5	59	112	306	1,267
Unknown/None	667,185	99.0	2,025	22,640	43,016	110,631	488,873
TOTAL	673,812	100.0	2,052	22,911	43,511	111,833	493,505

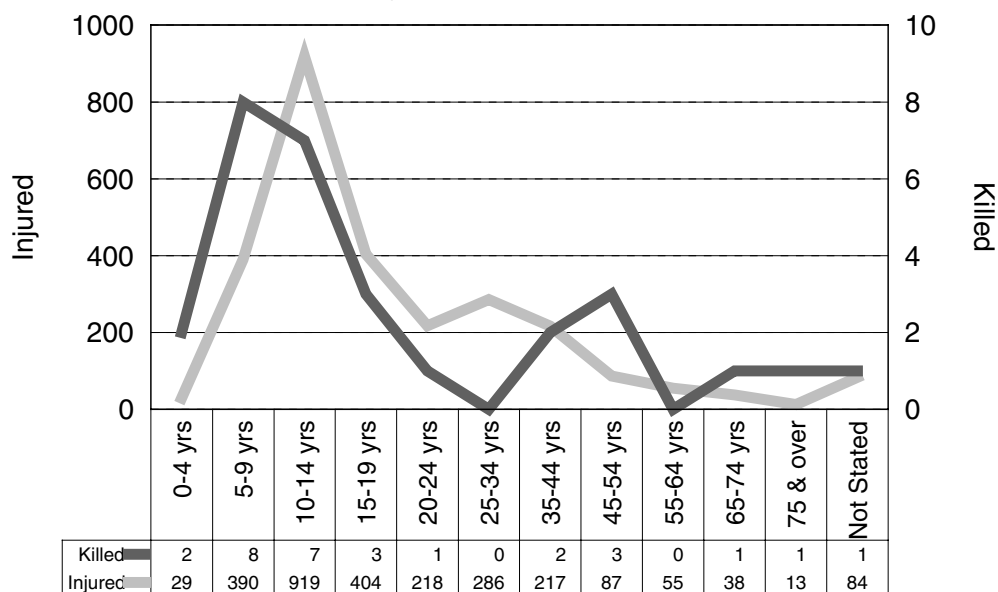
DRIVER HAZARDOUS ACTION

HAZARDOUS ACTION	MOST SEVERE OUTCOME IN CRASH						
	All Vehicles		Fatal	Injury			PDO
	Number	% of Total		A	B	C	
None	341,154	50.6	850	9,991	19,309	54,141	256,863
Speed too fast	36,573	5.4	319	2,383	4,122	6,001	23,748
Speed too slow	950	0.1	3	40	64	197	646
Failed to yield	61,679	9.2	170	2,696	5,394	11,343	42,076
Disregard traffic control	17,515	2.6	116	1,258	2,159	4,235	9,747
Drove wrong way	586	0.1	11	63	66	96	350
Drove left of center	5,045	0.7	124	540	615	729	3,037
Improper passing	5,420	0.8	13	132	272	578	4,425
Improper lane use	14,663	2.2	23	249	499	1,417	12,475
Improper turn	10,123	1.5	13	259	586	1,317	7,948
Improper/no signal	1,171	0.2	2	23	39	117	990
Improper backing	13,582	2.0	3	56	128	496	12,899
Unable to stop in assured clear distance	87,420	13.0	68	1,840	4,321	20,434	60,757
Other	36,854	5.5	157	2,039	3,651	5,352	25,655
Unknown	41,077	6.1	180	1,342	2,286	5,380	31,889
TOTAL	673,812	100.0	2,052	22,911	43,511	111,833	493,505



MICHIGAN BICYCLE CRASHES

1994 Bicycle Crash Information



In 1994, there were 3,298 bicyclists involved in motor vehicles crashes, with 29 bicyclists killed and 2,740 injured. The number of bicyclists killed represents a 0.0 percent change from 1993.

Children under 15 years of age accounted for 17 (58.6%) of the bicycle deaths in 1994.

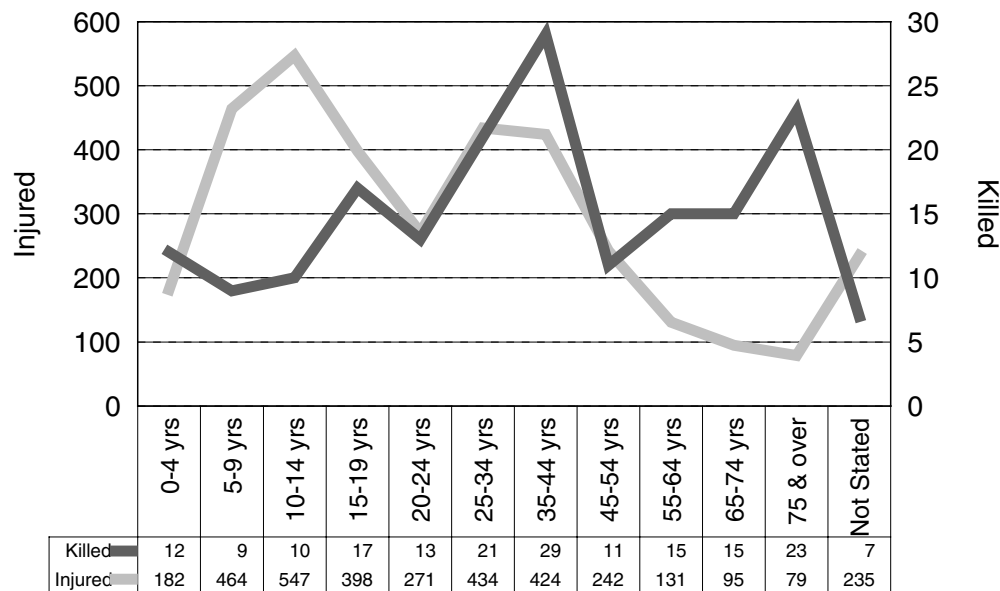
BICYCLE HELMET USE AND INJURY SEVERITY

HELMET USE	Fatality	Injury			No Injury
		A	B	C	
Worn	2	12	34	29	12
Not Worn	8	103	271	203	64
Unknown	19	323	915	850	348
TOTALS	29	438	1,220	1,082	424



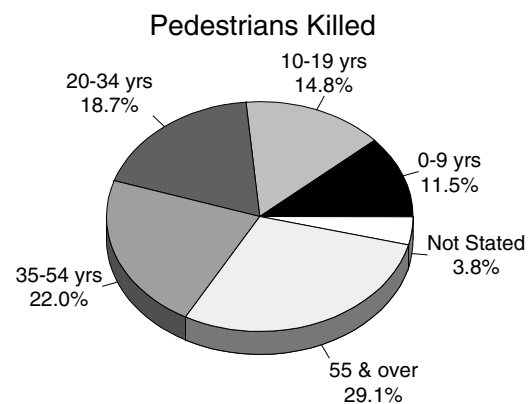
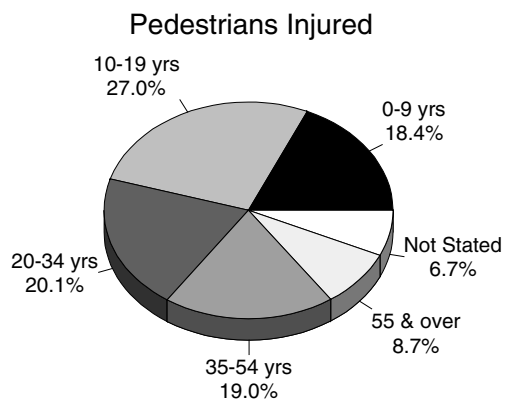
MICHIGAN PEDESTRIAN CRASHES

1994 Pedestrian Crash Information



In 1994, there were 4,014 pedestrians involved in motor vehicles crashes, with 182 pedestrians killed and 3,502 injured. The number killed represents a 6.4 percent increase in fatalities from 1993.

Children under 15 years of age accounted for 31 (17.0%) of the pedestrian deaths in 1994. Adults over the age of 54 accounted for 53 (29.1%) of the pedestrian deaths in 1994.





MICHIGAN SNOWMOBILE CRASHES

MOST HARMFUL EVENT

MOST SEVERE OUTCOME IN CRASH

	Snowmobiles		Fatal	Injury			PDO
	Number	% of Total		A	B	C	
NONCOLLISION							
Loss of control	12	2.6	0	2	4	6	0
Ran off road left	3	0.7	0	0	3	0	0
Re-enter road	2	0.4	0	0	0	1	1
Overturn	17	3.7	0	4	6	3	4
Separation of units	1	0.2	0	0	0	1	0
Individual fell off	28	6.1	1	7	11	9	0
Other noncollision	2	0.4	0	1	0	1	0
NONCOLLISION Subtotal	65	14.1	1	14	24	21	5

HAD A COLLISION WITH NONFIXED OBJECT

Pedestrian	9	2.0	0	4	3	1	1
Motor vehicle in transport	143	31.1	4	38	23	27	51
Parked motor vehicle	21	4.6	1	6	2	3	9
Railway train	1	0.2	0	1	0	0	0
Animal	11	2.4	0	0	0	1	10
Other nonfixed objects	16	3.5	3	4	5	2	2
COLLISION NONFIXED Subtotal	201	43.7	8	53	33	34	73

HAD A COLLISION WITH FIXED OBJECT

Bridge/pier/abutment	1	0.2	0	1	0	0	0
Traffic sign post	3	0.7	0	2	0	0	1
Signal post	1	0.2	0	0	0	0	1
Luminaire support	1	0.2	0	0	0	0	1
Utility pole	2	0.4	0	0	1	0	1
Other pole	7	1.5	0	1	1	1	4
Curb	1	0.2	0	1	0	0	0
Ditch	4	0.9	0	2	2	0	0
Embankment	8	1.7	0	1	3	3	1
Fence	4	0.9	0	1	0	2	1
Mailbox	1	0.2	0	0	0	1	0
Tree	77	16.7	2	44	11	10	10
Building	5	1.1	0	1	2	1	1
Fire hydrant	1	0.2	0	0	0	1	0
Other fixed object	19	4.1	0	5	6	3	5
COLLISION FIXED Subtotal	135	29.3	2	59	26	22	26

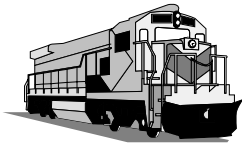
Unknown Event	59	12.8	0	10	8	14	27
TOTAL MOST HARMFUL EVENT	460	100.0	11	136	91	91	131

A total of 460 snowmobiles were reported in crashes on Michigan trafficways during 1994. 11 snowmobiles were involved in fatal crashes with 9 people killed.



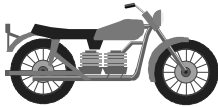
MICHIGAN FARM EQUIPMENT CRASHES

A total of 337 crashes involving farm equipment were reported on Michigan roadways during 1994. Of these crashes, 3 were fatal crashes with 1 driver and 1 passenger of the farm equipment killed.



MICHIGAN VEHICLE - TRAIN CRASHES

According to Michigan Department of Transportation figures, a total of 147 crashes involving trains were reported in Michigan during 1994. The National Highway Traffic Safety Administration's 1994 Fatal Accident Reporting System [12] reported 14 fatal train crashes in Michigan. 16 persons were killed as a result of those collisions.

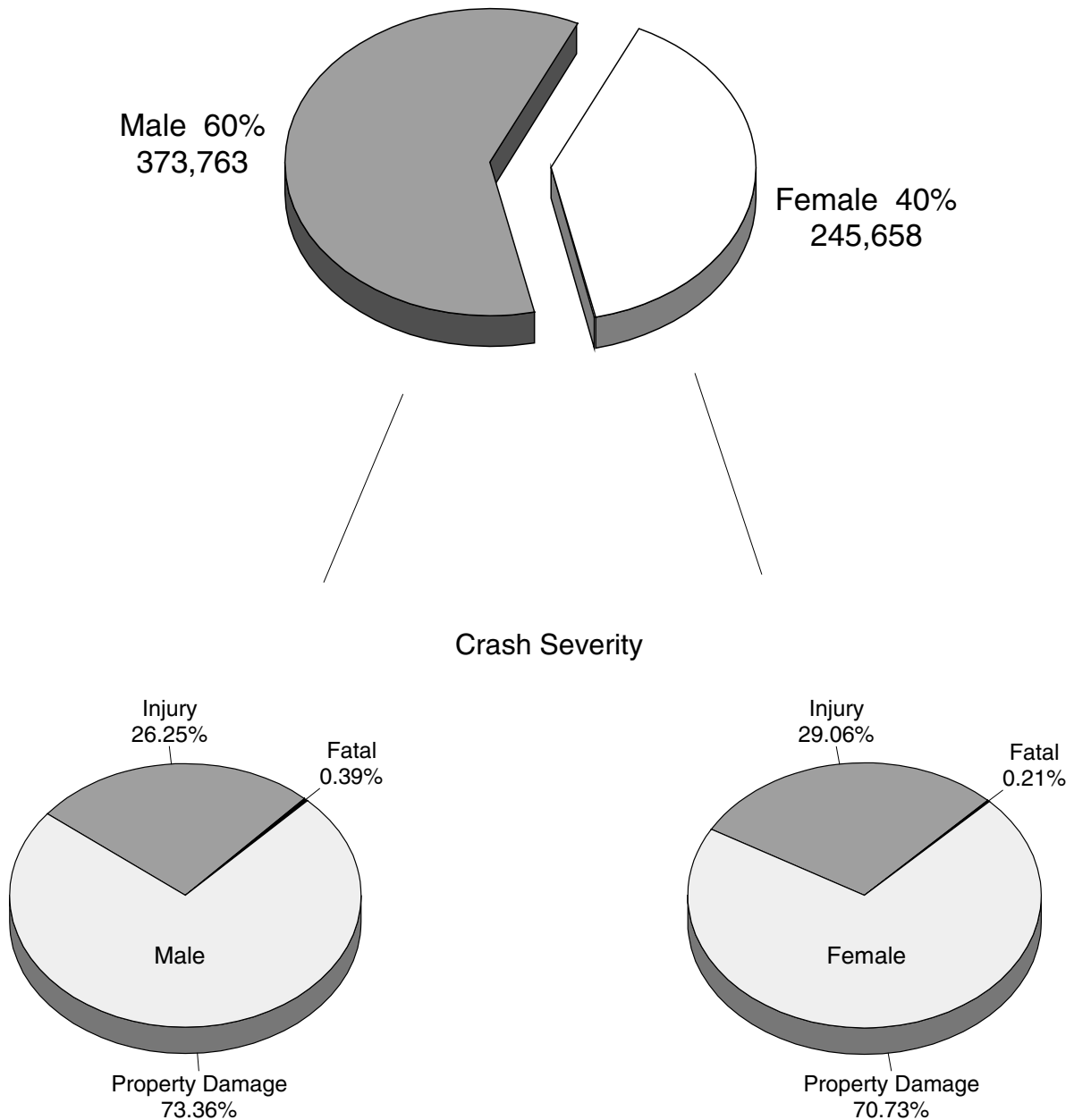


MOTORCYCLE AND MOTOR SCOOTER DATA

MOTORCYCLE & MOTOR SCOOTER DATA	1993	1994	% Change
Registrations	119,845.0	124,896.0	4.2
Crashes	2,768.0	2,982.0	7.7
Deaths	58.0	67.0	15.5
Persons Injured	2,508.0	2,598.0	3.6
Death Rate based on 10,000 cycle registrations	4.8	5.4	12.5
Estimated Mileage based on 3,000 miles per cycle (millions)	359,535.0	374,688.0	4.2
Death Rate based on deaths per 100 million vehicle miles traveled	16.1	17.9	11.2

Motorcycles were involved in 0.75 percent of all traffic crashes in Michigan in 1994. Injuries were proportionately more severe to motorcyclists than to persons in motor vehicles. The 1994 death rate for motorcyclists was 17.9 per 100 million vehicle miles traveled compared to the overall 1.7 mileage death rate per 100 million vehicle miles traveled.

DRIVER GENDER INFORMATION - ALL CRASHES



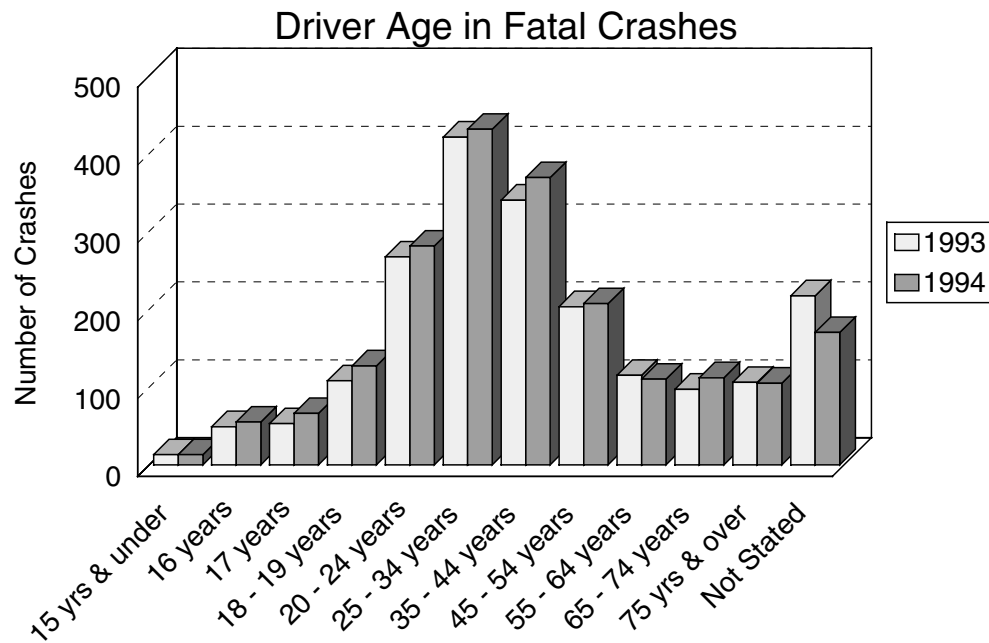
A higher proportion of crashes involved male drivers than female drivers. When we examine the severity of crashes involving drivers of each gender, we see that fatal crashes are twice as prevalent among male drivers than female drivers (0.4% vs. 0.2%).

This 1994 chart was processed with numbers for all drivers (vehicle level).

DRIVER AGE

AGE OF DRIVERS IN FATAL CRASHES	1993	1994	% Change	% 1994 Fatal Crash Involvement	Percent Driving Population*
15 years and under	13	13	0.0	0.6	2.0
16 years	49	55	12.2	2.7	1.5
17 years	53	66	24.5	3.2	1.6
18 - 19 years	108	127	17.6	6.2	3.4
20 - 24 years	267	281	5.2	13.7	10.4
25 - 34 years	421	431	2.4	21.1	22.9
35 - 44 years	340	369	8.5	18.0	21.4
45 - 54 years	203	207	2.0	10.1	14.7
55 - 64 years	115	110	-4.3	5.4	9.8
65 - 74 years	97	112	15.5	5.5	8.0
75 years and over	106	105	-0.9	5.1	4.4
Not Stated	217	170	-21.7	8.3	---
TOTALS	1,989	2,046	2.9	100.0	100.0

* Figures courtesy of the Michigan Department of State [13]



1994

1994

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1994

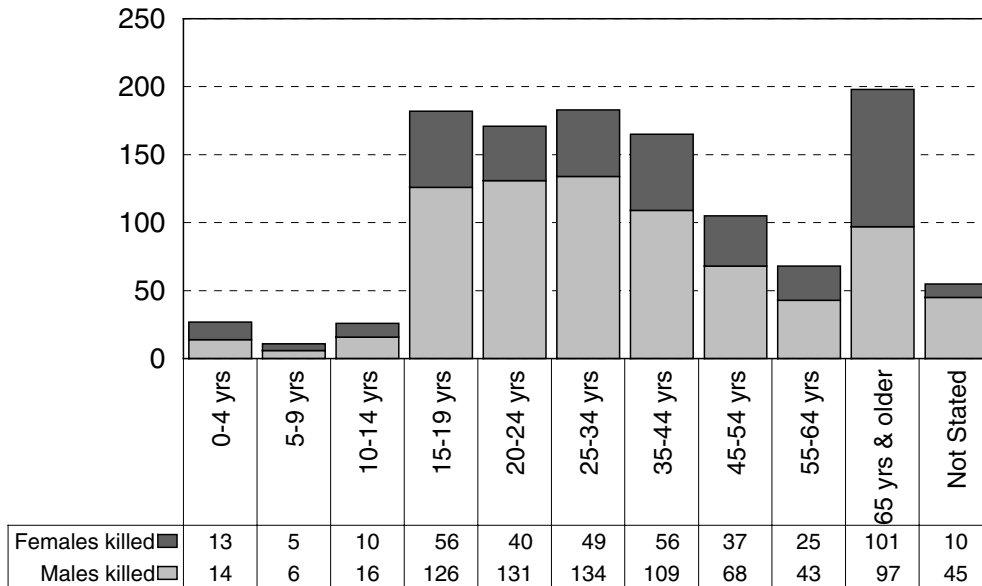
1994

1994

**Occupant/
Person**

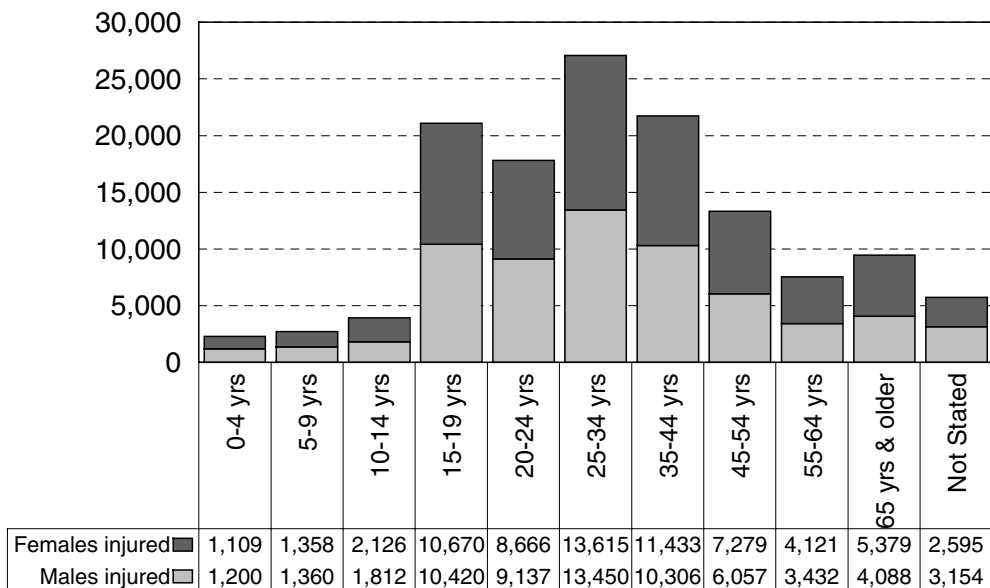
AGE AND GENDER OF OCCUPANTS KILLED & INJURED IN MOTOR VEHICLE CRASHES

Occupants Killed



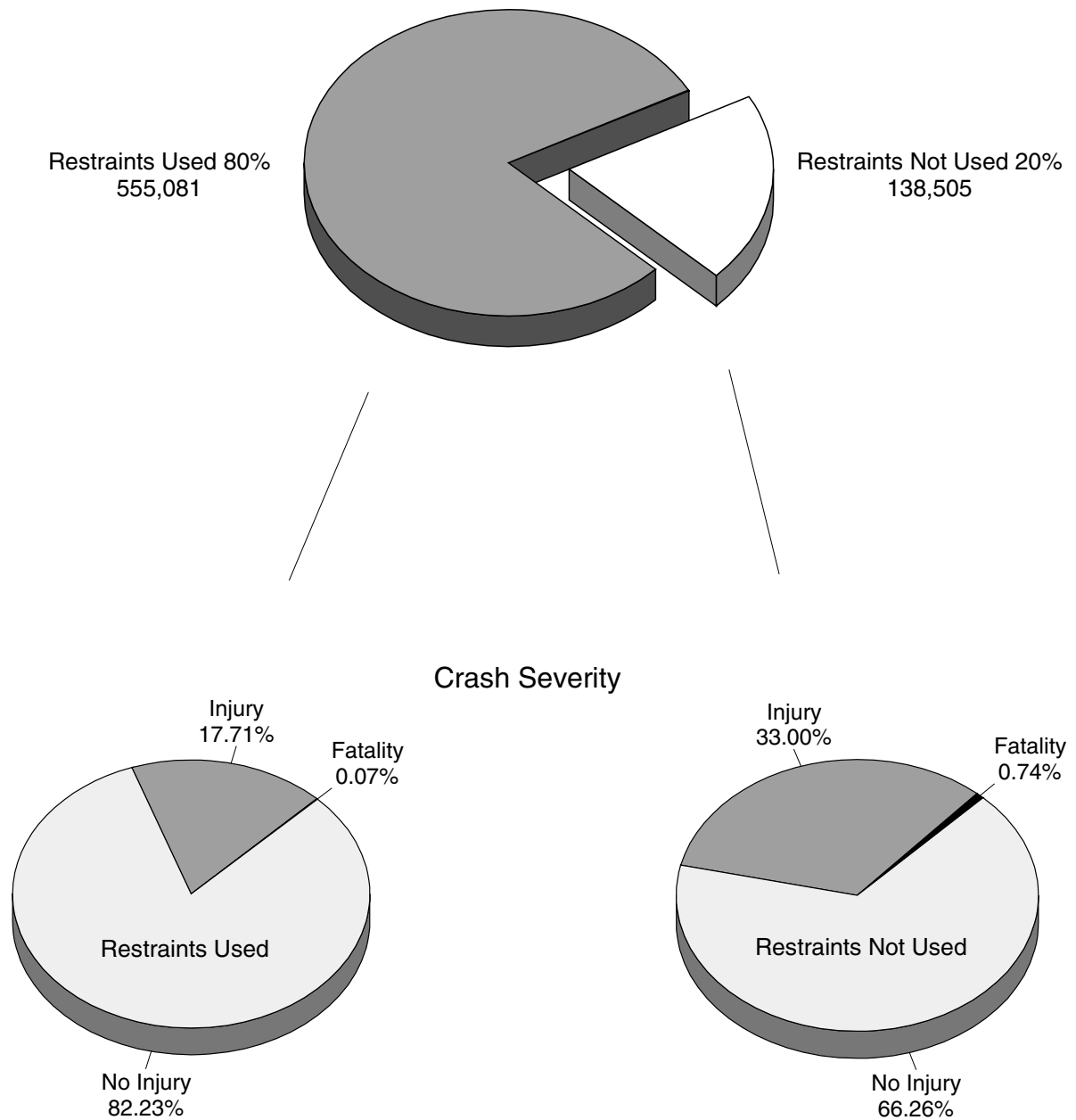
The majority (66.2%) of occupants killed in traffic crashes in 1994 were male.

Occupants Injured



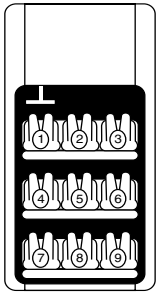
The majority (51.5%) of occupants injured in traffic crashes in 1994 were female.

REPORTED OCCUPANT RESTRAINT USAGE FOR ALL DRIVERS AND INJURED PASSENGERS



Of the 693,586 drivers and injured passengers involved in crashes, 555,081 (80%) were *reported* to be using occupant restraints.

Occupants in crashes were ten times more likely to be killed if they were not wearing their restraints.



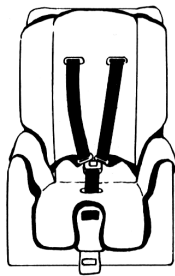
MOTOR VEHICLE OCCUPANTS & INJURY SEVERITY BY SEATING POSITION AND KNOWN BELT USAGE

Seating Position	Belts Used*		Fatal	Injury			PDO
	Number	% of Total		A	B	C	
Left Front	523,779	95.4	253	5,939	14,085	51,960	451,542
Center Front	734	0.1	2	54	163	478	37
Right Front	18,933	3.4	105	1,725	3,681	13,116	306
Left Rear	2,041	0.4	5	164	441	1,294	137
Center Rear	505	0.1	3	45	120	330	7
Right Rear	2,218	0.4	8	192	536	1,478	4
Left Rear Third Seat	238	0.0	1	17	47	165	8
Center Rear Third Seat	92	0.0	0	4	24	59	5
Right Rear Third Seat	257	0.0	2	13	64	166	12
Unknown	121	0.0	0	6	8	37	70
TOTAL	548,918	100.0	379	8,159	19,169	69,083	452,128

* Lap belt, shoulder belt or a combination of lap and shoulder belts used. Children who were coded as using or not using a child restraint appear in a separate table on page 88.

Seating Position	Belts Not Used*		Fatal	Injury			PDO
	Number	% of Total		A	B	C	
Left Front	32,455	74.4	413	3,201	5,030	5,058	18,753
Center Front	524	1.2	5	127	181	198	13
Right Front	5,684	13.0	94	1,262	1,987	2,272	69
Left Rear	1,690	3.9	27	223	421	640	379
Center Rear	592	1.4	11	123	194	254	10
Right Rear	1,564	3.6	19	286	457	800	2
Left Rear Third Seat	200	0.5	3	35	64	97	1
Center Rear Third Seat	120	0.3	0	23	31	63	3
Right Rear Third Seat	189	0.4	3	26	61	92	7
Unknown	589	1.4	11	94	124	298	62
TOTAL	43,607	100.0	586	5,400	8,550	9,772	19,299

* No belts available or no belts used. Children who were coded as using or not using a child restraint appear in a separate table on page 88.



REPORTED CHILD RESTRAINT USE

Seating Position	Child Restraint Used		Fatal	Injury			PDO
	Number	% of Total		A	B	C	
Left Front	71	7.4	0	6	3	13	47
Center Front	20	2.1	0	1	6	13	0
Right Front	236	24.5	2	12	60	162	0
Left Rear	212	22.0	0	12	59	138	3
Center Rear	149	15.5	0	3	38	108	0
Right Rear	221	22.9	1	9	71	138	2
Left Rear Third Seat	25	2.6	0	0	7	17	1
Center Rear Third Seat	9	0.9	0	0	2	7	0
Right Rear Third Seat	18	1.9	0	3	4	11	0
Unknown	3	0.3	0	0	0	3	0
TOTAL	964*	100.0	3	46	250	610	53

* Includes 2 children with unknown injury severity

Seating Position	Child Restraint Not Used		Fatal	Injury			PDO
	Number	% of Total		A	B	C	
Left Front	65	26.3	0	4	2	9	47
Center Front	16	6.5	1	1	4	10	0
Right Front	71	28.7	1	12	30	28	0
Left Rear	23	9.3	0	1	7	13	2
Center Rear	24	9.7	2	4	8	10	0
Right Rear	33	13.4	1	1	17	14	0
Left Rear Third Seat	2	0.8	0	0	2	0	0
Center Rear Third Seat	2	0.8	0	0	1	1	0
Right Rear Third Seat	5	2.0	0	0	0	5	0
Unknown	6	2.4	2	3	1	0	0
TOTAL	247*	100.0	7	26	72	90	49

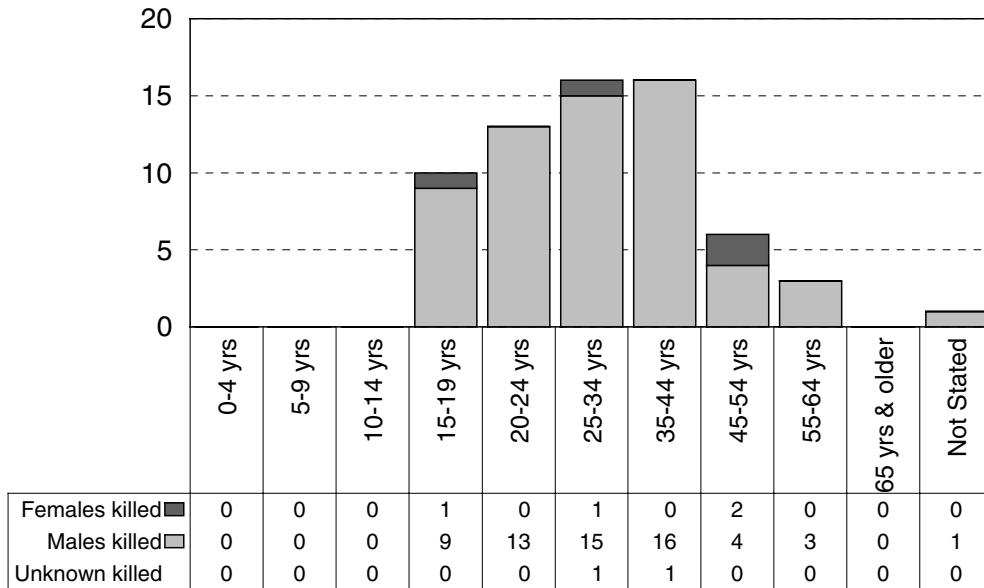
* Includes 3 children with unknown injury severity

Note: The left front seating position includes frequencies for uncoded and errors.

Safety equipment usage is often self-reported and may not reflect actual usage.

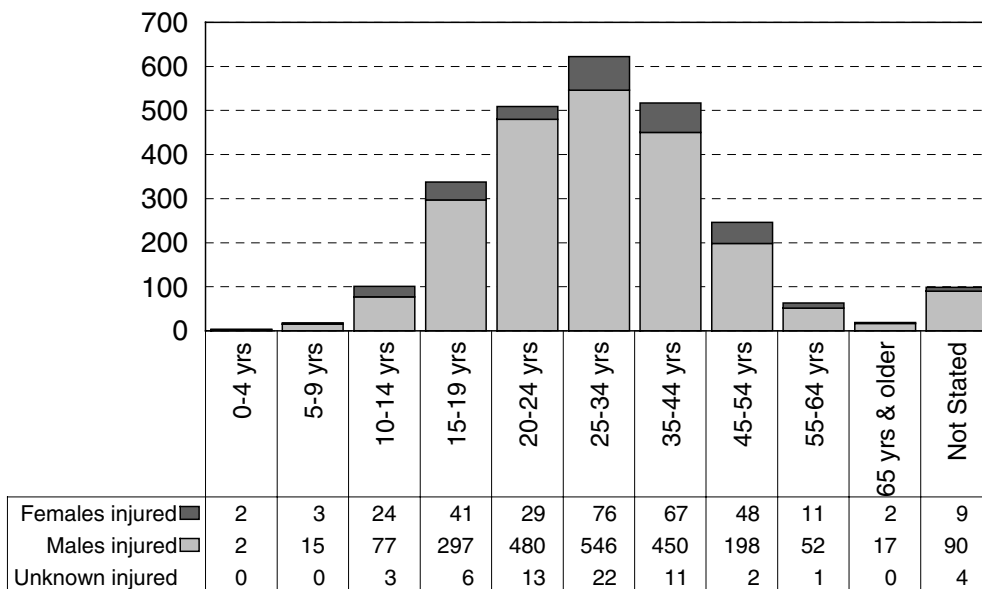
AGE AND GENDER OF MOTORCYCLISTS KILLED & INJURED IN MOTOR VEHICLE CRASHES

Motorcyclists Killed



91 percent of the motorcyclists killed in traffic crashes in 1994 were male.
In comparison, 67 percent of all persons killed in crashes were male.

Motorcyclists Injured



85.6 percent of the motorcyclists injured in traffic crashes in 1994 were male.
In comparison, 49.6 percent of all persons injured in crashes were male.

MOTORCYCLE HELMET USE AND INJURY SEVERITY

Helmet Worn Age of Motorcyclist	Fatality	Injury			No Injury
		A	B	C	
4 years and under	0	0	0	1	0
5 - 9 years	0	3	0	0	0
10 - 14 years	0	9	11	8	2
15 - 19 years	8	57	96	58	36
20 - 24 years	8	82	165	100	89
25 - 34 years	13	137	152	114	91
35 - 44 years	10	114	129	99	62
45 - 54 years	4	54	56	41	40
55 - 64 years	1	13	18	13	11
65 - 74 years	0	5	3	2	2
75 years and over	0	1	0	1	0
Not Stated	0	3	2	1	2
Subtotal	44	478	632	438	335



Drivers killed	<u>40</u>
Passengers killed	<u>4</u>

Helmet Not Worn Age of Motorcyclist	Fatality	Injury			No Injury
		A	B	C	
4 years and under	0	0	0	0	1
5 - 9 years	0	0	3	3	1
10 - 14 years	0	4	12	10	1
15 - 19 years	0	9	7	6	2
20 - 24 years	0	5	4	6	1
25 - 34 years	1	12	11	2	2
35 - 44 years	0	3	7	1	0
45 - 54 years	0	1	1	1	1
55 - 64 years	0	0	0	1	0
65 - 74 years	0	1	0	0	0
75 years and over	0	0	1	0	0
Not Stated	0	0	1	0	0
Subtotal	1	35	47	30	9



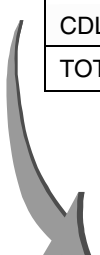
Drivers killed	<u>1</u>
Passengers killed	<u>0</u>

Helmet Use Unknown Age of Motorcyclist	Fatality	Injury			No Injury
		A	B	C	
4 years and under	0	0	2	1	0
5 - 9 years	0	1	6	2	3
10 - 14 years	0	13	26	11	6
15 - 19 years	2	20	52	39	27
20 - 24 years	5	48	67	45	55
25 - 34 years	3	60	96	60	60
35 - 44 years	7	48	71	56	55
45 - 54 years	2	27	33	34	26
55 - 64 years	2	11	4	4	5
65 - 74 years	0	3	1	0	6
75 years and over	0	0	1	0	0
Not Stated	1	26	32	38	53
Subtotal	22	257	391	290	296
TOTAL HELMET USE	67	770	1,070	758	640

In Michigan, helmet use law requires that all motorcycle riders wear a helmet. As a result, according to studies by UMTRI [14], approximately 99 percent of the motorcyclists in Michigan wear helmets. The fact that most fatalities (where helmet use is known) are wearing their helmets does not indicate that helmets are not an effective safety device.

OCCUPANT INJURY OUTCOME BY VEHICLE TYPE

Vehicle Types	Killed	A Injured	B Injured	C Injured	Total KABC	% of All Crash Involved KABC Occupants
Passenger Car and Station Wagon	887	12,236	24,250	69,052	106,425	79.4
Van and Motorhome	51	772	1,646	5,333	7,802	5.8
Pickup	137	1,820	3,611	7,928	13,496	10.1
Small Truck (under 10,000 lbs)	8	136	303	824	1,271	0.9
Cycle	66	745	1,006	703	2,520	1.9
Moped	4	89	140	59	292	0.2
Go Cart	0	2	1	1	4	0.0
Snowmobile	9	126	85	88	308	0.2
Off Road Vehicle	9	82	81	42	214	0.2
Other	5	44	81	131	261	0.2
CDL Truck/Bus (breakdown below)	15	132	272	946	1,365	1.0
TOTAL	1,191	16,184	31,476	85,107	133,958	100.0



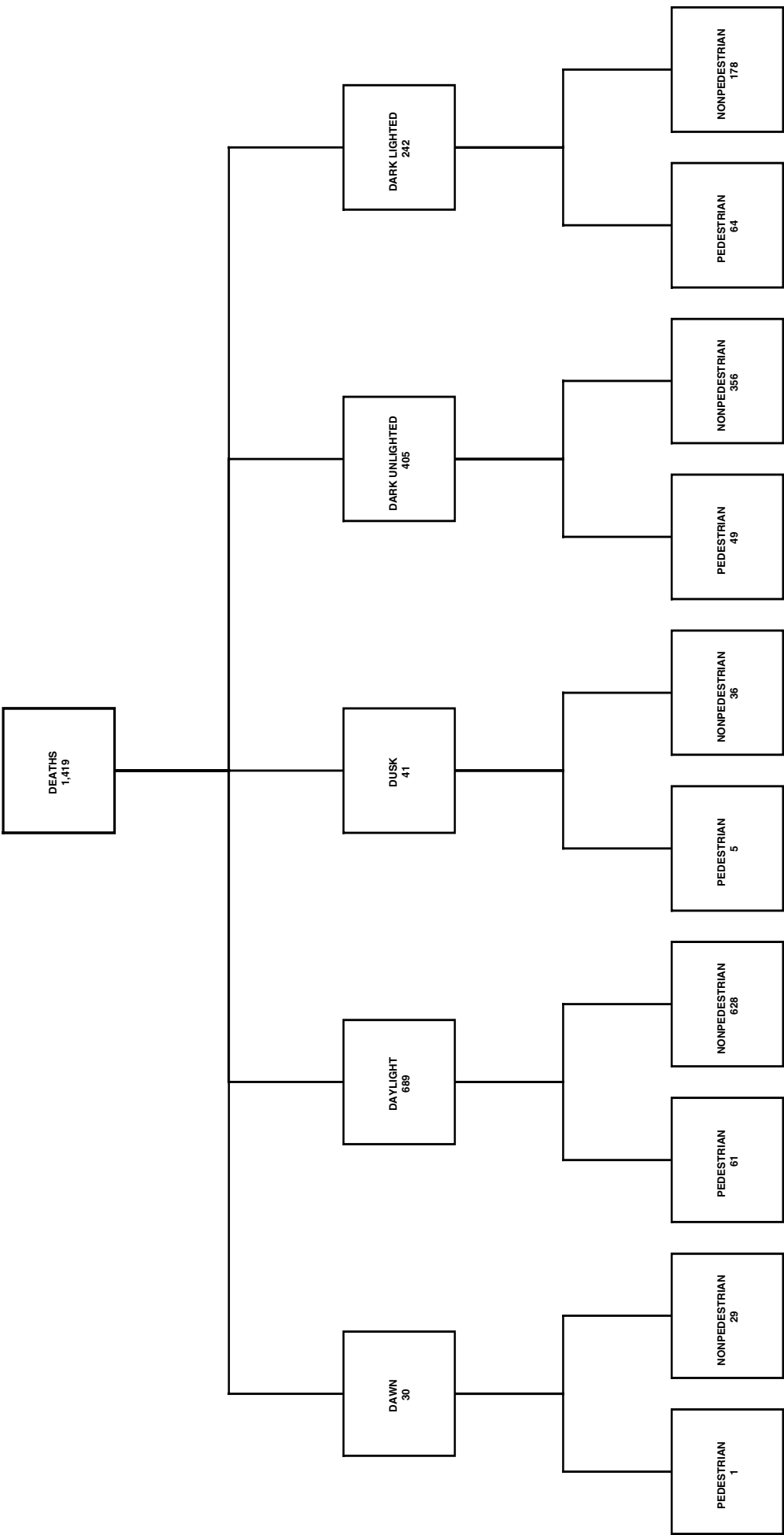
CDL Truck/Bus Sub-category Types	Killed	A Injured	B Injured	C Injured	Total KABC	% of All Crash Involved KABC Occupants
Uncoded Truck	1	11	16	61	89	6.5
Commercial Vehicle: Group A	9	56	140	284	489	35.8
Commercial Vehicle: Group B	3	34	81	386	504	36.9
Commercial Vehicle: Group C	0	6	8	44	58	4.2
Other Truck	1	8	10	52	71	5.2
Unknown Truck	1	17	17	119	154	11.3
TOTAL	15	132	272	946	1,365	100.0

Group "A" is any vehicle that is towing a vehicle or trailer that has a gross vehicle weight rating (GVWR) over 10,000 lbs.

Group "B" is any single vehicle (including buses) with a GVWR of 26,001 lbs. or more. This would include a combination of vehicles with a combined GVWR over 26,000 lbs. when towing a trailer that has a GVWR of 10,000 lbs. or less.

Group "C" is any single vehicle with a GVWR of less than 26,001 lbs. or a combination of vehicles having a combined GVWR under 26,001 lbs. when the vehicle is required to display placards for hazardous material or designed to carry 16 passengers (including driver). Group "C" is also any vehicle carrying 15 or less people (including driver) transporting children to or from school and home on a regular basis for compensation.

PRINCIPAL CLASSES OF MOTOR VEHICLE DEATHS



Of the 1,419 motor vehicle deaths in Michigan in 1994, more than half occurred in nondaylight crashes. Nonpedestrians (mostly occupants of motor vehicles) accounted for 87.2 percent of the deaths. 12 cases were lost in the first subset due to unknown lighting circumstances.

1994

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**County/
Communities**

REPORTED STATEWIDE TRAFFIC CRASHES BY COUNTY IN MICHIGAN

COUNTY	All	Fatal	Injury	Property Damage	Inter- state	US Route	State Route	Local Street	Persons Killed	Persons Injured
Alcona	725	3	96	626	0	110	140	475	3	143
Alger	489	2	84	403	0	53	205	231	3	122
Allegan	3,659	26	769	2,864	258	326	731	2,344	30	1,171
Alpena	1,345	3	241	1,101	0	355	193	797	4	329
Antrim	981	4	169	808	0	211	178	592	5	235
Arenac	1,050	9	185	856	107	282	86	575	13	304
Baraga	537	1	85	451	0	203	61	273	1	129
Barry	2,410	9	444	1,957	0	0	790	1,620	13	684
Bay	3,914	13	1,132	2,769	158	89	1,186	2,481	14	1,705
Benzie	618	4	113	501	0	182	86	350	5	177
Berrien	6,444	32	1,608	4,804	1,015	895	779	3,755	34	2,364
Branch	1,998	11	384	1,603	198	472	89	1,239	11	578
Calhoun	6,461	16	1,308	5,137	1,194	26	816	4,425	16	1,827
Cass	2,062	16	382	1,664	10	193	643	1,216	20	589
Charlevoix	1,271	7	206	1,058	0	347	225	699	8	305
Cheboygan	1,011	1	246	764	183	47	206	575	1	350
Chippewa	1,562	8	258	1,296	300	0	355	907	8	378
Clare	1,639	8	284	1,347	0	405	316	918	8	436
Clinton	2,405	5	481	1,919	308	491	155	1,451	5	708
Crawford	699	2	104	593	134	12	172	381	2	146
Delta	2,265	4	322	1,939	0	539	359	1,367	6	493
Dickinson	1,649	2	255	1,392	0	510	388	751	5	347
Eaton	3,982	11	888	3,083	491	164	1,200	2,127	14	1,301
Emmet	1,550	9	326	1,215	16	566	150	818	9	469
Genesee	15,658	68	4,608	10,982	1,622	325	2,690	11,021	83	7,021
Gladwin	988	3	192	793	0	0	373	615	3	282
Gogebic	603	4	103	496	0	271	34	298	4	139
Grand Traverse	3,631	10	779	2,842	0	964	323	2,344	11	1,197
Gratiot	1,754	10	324	1,420	0	461	292	1,001	12	508
Hillsdale	2,136	7	414	1,715	0	215	544	1,377	7	623
Houghton	1,417	5	266	1,146	0	431	343	643	5	386
Huron	1,797	5	302	1,490	0	0	781	1,016	5	457
Ingham	11,624	28	2,726	8,870	1,831	329	2,166	7,298	31	3,753
Ionia	2,549	13	529	2,007	257	0	772	1,520	16	763
Iosco	1,275	5	251	1,019	0	316	245	714	5	356
Iron	987	0	110	877	0	206	300	481	0	139
Isabella	2,725	6	545	2,174	0	504	307	1,914	6	802
Jackson	6,823	25	1,435	5,363	1,024	315	1,095	4,389	30	2,103
Kalamazoo	10,074	30	2,039	8,005	828	678	1,213	7,355	33	2,848
Kalkaska	789	7	149	633	0	135	169	485	7	225
Kent	22,245	69	5,399	16,777	1,312	1,646	4,098	15,189	83	7,620
Keweenaw	80	0	22	58	0	25	7	48	0	26
Lake	576	3	90	483	0	100	110	366	3	136
Lapeer	3,404	16	785	2,603	197	0	1,212	1,995	16	1,169
Leelanau	686	5	103	578	0	0	260	426	5	152
Lenawee	3,688	21	934	2,733	0	833	732	2,123	25	1,445

REPORTED STATEWIDE TRAFFIC CRASHES BY COUNTY IN MICHIGAN (Continued)

COUNTY	All	Fatal	Injury	Property Damage	Inter- state	US Route	State Route	Local Street	Persons Killed	Persons Injured
Livingston	5,152	31	1,301	3,820	1,053	375	563	3,161	39	1,920
Luce	320	0	73	247	0	0	146	174	0	99
Mackinac	803	4	109	690	140	189	172	302	4	168
Macomb	26,590	62	7,574	18,954	1,610	0	6,943	18,037	67	10,993
Manistee	922	2	159	761	0	204	144	574	2	208
Marquette	2,917	11	519	2,387	0	864	334	1,719	14	733
Mason	1,547	4	260	1,283	0	567	31	949	4	407
Mecosta	2,580	8	309	2,263	0	617	427	1,536	8	407
Menominee	1,787	6	223	1,558	0	528	153	1,106	9	303
Midland	2,902	12	639	2,251	0	339	440	2,123	17	940
Missaukee	728	3	93	632	0	0	271	457	3	127
Monroe	4,713	24	1,384	3,305	478	765	633	2,837	26	2,134
Montcalm	2,965	12	617	2,336	0	76	997	1,892	13	924
Montmorency	504	2	107	395	0	0	178	326	2	140
Muskegon	6,234	19	1,566	4,649	59	1,102	711	4,362	22	2,225
Newaygo	1,970	12	401	1,557	0	0	673	1,297	15	586
Oakland	45,140	77	12,468	32,595	5,442	2,775	7,170	29,753	79	17,711
Oceana	1,051	6	224	821	0	274	75	702	6	346
Ogemaw	1,249	4	224	1,021	228	0	254	767	4	333
Ontonagon	674	1	76	597	0	146	299	229	2	104
Osceola	1,380	5	247	1,128	0	393	203	784	6	387
Oscoda	494	2	76	416	0	0	177	317	3	105
Otsego	981	6	216	759	194	0	243	544	6	323
Ottawa	7,219	29	1,647	5,543	304	1,138	664	5,113	30	2,420
Presque Isle	668	1	86	581	0	154	150	364	1	119
Roscommon	1,162	11	225	926	120	106	309	627	13	335
Saginaw	8,895	22	2,124	6,749	498	0	2,548	5,849	22	3,113
Sanilac	1,880	9	333	1,538	0	0	721	1,159	11	484
Schoolcraft	532	3	75	454	0	138	174	220	3	106
Shiawassee	2,361	14	671	1,676	178	0	750	1,433	14	1,012
St. Clair	5,373	23	1,419	3,931	886	0	1,003	3,484	25	2,127
St. Joseph	2,444	11	574	1,859	0	661	416	1,367	13	875
Tuscola	2,162	14	446	1,702	0	0	739	1,423	17	673
Van Buren	2,954	14	762	2,178	488	0	610	1,856	15	1,119
Washtenaw	12,000	40	2,908	9,052	1,326	1,559	936	8,179	42	4,063
Wayne	88,580	204	24,687	63,689	8,686	5,861	12,507	61,526	224	36,122
Wexford	1,729	8	352	1,369	0	495	451	783	10	496
UNKNOWN	253	0	47	206	0	0	0	253	0	73
Totals	398,050	1,262	97,696	299,092	33,133	33,558	70,790	260,569	1,419	142,200

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1994

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Alcona County						
Alcona Twp.	66	1	8	57	1	9
Caledonia Twp.	56	0	10	46	0	13
Curtis Twp.	66	0	15	51	0	27
Greenbush Twp.	52	0	5	47	0	7
Gustin Twp.	71	0	6	65	0	7
Harrisville Twp.	75	0	12	63	0	20
Hawes Twp.	55	0	2	53	0	6
Haynes Twp.	54	0	2	52	0	3
Mikado Twp.	72	1	14	57	1	22
Millen Twp.	60	1	11	48	1	15
Mitchell Twp.	59	0	7	52	0	7
Harrisville	20	0	1	19	0	4
Lincoln	15	0	3	12	0	3
Unknown Community	4	0	0	4	0	0
Alger County						
Au Train Twp.	69	0	15	54	0	19
Burt Twp.	27	0	3	24	0	3
Grand Island Twp.	10	0	3	7	0	5
Limestone Twp.	55	2	8	45	3	11
Mathias Twp.	52	0	6	46	0	8
Munising Twp.	111	0	21	90	0	36
Onota Twp.	24	0	2	22	0	4
Rock River Twp.	49	0	10	39	0	12
Chatham	2	0	0	2	0	0
Munising	85	0	16	69	0	24
Unknown Community	5	0	0	5	0	0
Allegan County						
Allegan Twp.	150	0	18	132	0	33
Casco Twp.	111	1	22	88	1	36
Cheshire Twp.	75	0	8	67	0	10
Clyde Twp.	96	0	7	89	0	8
Dorr Twp.	166	0	45	121	0	58
Fillmore Twp.	185	3	38	144	4	62
Ganges Twp.	94	1	19	74	1	29
Gunplain Twp.	237	6	52	179	8	84
Heath Twp.	105	1	11	93	2	19
Hopkins Twp.	52	0	12	40	0	21
Laketown Twp.	124	1	35	88	1	56
Lee Twp.	85	4	15	66	4	21
Leighton Twp.	132	1	34	97	1	55
Manlius Twp.	74	1	17	56	1	28
Martin Twp.	115	2	31	82	2	53
Monterey Twp.	62	0	12	50	0	26
Otsego Twp.	230	1	53	176	1	82
Overisel Twp.	78	0	16	62	0	28
Salem Twp.	83	0	18	65	0	34
Saugatuck Twp.	151	1	36	114	1	51
Trowbridge Twp.	111	0	23	88	0	30
Valley Twp.	74	0	13	61	0	18
Watson Twp.	60	0	13	47	0	15
Wayland Twp.	142	2	30	110	2	43
Douglas	33	0	3	30	0	5
Fennville	17	0	5	12	0	5
Hopkins	5	0	1	4	0	2
Martin	4	0	1	3	0	2
Saugatuck	46	0	3	43	0	4
Wayland	61	0	9	52	0	13
Allegan	180	0	24	156	0	30
Otsego	111	0	34	77	0	41
Plainwell	164	0	35	129	0	54
Holland	243	1	75	167	1	114

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1994 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Unknown Community	3	0	1	2	0	1
Alpena County						
Alpena Twp.	382	2	75	305	3	106
Green Twp.	93	1	18	74	1	23
Long Rapids Twp.	52	0	3	49	0	4
Maple Ridge Twp.	69	0	7	62	0	8
Ossineke Twp.	86	0	7	79	0	9
Sanborn Twp.	94	0	8	86	0	17
Wellington Twp.	15	0	2	13	0	2
Wilson Twp.	147	0	23	124	0	28
Alpena	395	0	96	299	0	130
Unknown Community	12	0	2	10	0	2
Antrim County						
Banks Twp.	100	1	10	89	1	15
Central Lake Twp.	77	0	7	70	0	10
Chestonia Twp.	46	0	10	36	0	16
Custer Twp.	60	0	11	49	0	21
Echo Twp.	38	0	4	34	0	4
Elk Rapids Twp.	40	0	14	26	0	14
Forest Home Twp.	71	0	6	65	0	8
Helena Twp.	62	0	7	55	0	7
Jordan Twp.	35	0	5	30	0	6
Kearney Twp.	71	0	13	58	0	14
Mancelona Twp.	74	1	17	56	1	22
Milton Twp.	49	0	6	43	0	6
Star Twp.	26	2	5	19	3	13
Torch Lake Twp.	60	0	10	50	0	16
Warner Twp.	25	0	7	18	0	13
Bellaire	19	0	4	15	0	4
Central Lake	24	0	4	20	0	8
Ellsworth	5	0	0	5	0	0
Elk Rapids	48	0	14	34	0	17
Mancelona	46	0	15	31	0	21
Unknown Community	5	0	0	5	0	0
Arenac County						
Adams Twp.	46	0	8	38	0	15
Arenac Twp.	82	1	13	68	1	30
Au Gres Twp.	111	1	17	93	1	25
Clayton Twp.	42	0	9	33	0	11
Deep River Twp.	118	1	25	92	5	46
Lincoln Twp.	119	0	17	102	0	23
Mason Twp.	52	0	10	42	0	16
Moffat Twp.	87	0	16	71	0	33
Sims Twp.	49	0	11	38	0	17
Standish Twp.	89	1	14	74	1	22
Turner Twp.	47	1	6	40	1	9
Whitney Twp.	54	1	7	46	1	10
Au Gres	23	0	6	17	0	6
Omer	9	1	4	4	1	5
Sterling	11	0	1	10	0	1
Turner	0	0	0	0	0	0
Twining	6	0	2	4	0	4
Standish	101	2	19	80	2	31
Unknown Community	4	0	0	4	0	0
Baraga County						
Arvon Twp.	49	0	5	44	0	7
Baraga Twp.	131	0	23	108	0	41
Covington Twp.	95	1	8	86	1	10
Lanse Twp.	154	0	28	126	0	34
Spurr Twp.	19	0	4	15	0	7
Baraga	17	0	4	13	0	7

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1994 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Lanse	61	0	13	48	0	23
Unknown Community	11	0	0	11	0	0
Barry County						
Assyria Twp.	96	0	16	80	0	28
Baltimore Twp.	91	2	13	76	2	15
Barry Twp.	132	0	24	108	0	30
Carlton Twp.	138	0	17	121	0	24
Castleton Twp.	123	1	18	104	1	26
Hastings Twp.	183	1	36	146	3	44
Hope Twp.	114	1	21	92	1	31
Irving Twp.	102	0	15	87	0	22
Johnstown Twp.	129	0	30	99	0	41
Maple Grove Twp.	83	0	12	71	0	24
Orangeville Twp.	82	0	24	58	0	32
Prairieville Twp.	110	1	16	93	2	34
Rutland Twp.	212	0	35	177	0	70
Thornapple Twp.	140	1	33	106	1	57
Woodland Twp.	135	1	23	111	1	37
Yankee Springs Twp.	135	1	27	107	2	48
Freeport	5	0	0	5	0	0
Woodland	5	0	1	4	0	1
Middleville	51	0	11	40	0	14
Nashville	50	0	8	42	0	17
Hastings	287	0	63	224	0	88
Unknown Community	7	0	1	6	0	1
Bay County						
Bangor Twp.	611	2	189	420	2	308
Beaver Twp.	40	0	15	25	0	16
Frankenlust Twp.	196	0	53	143	0	80
Fraser Twp.	138	2	51	85	3	86
Garfield Twp.	44	1	14	29	1	18
Gibson Twp.	20	0	6	14	0	9
Hampton Twp.	254	1	71	182	1	116
Kawkawlin Twp.	197	1	72	124	1	120
Merritt Twp.	33	0	11	22	0	18
Monitor Twp.	423	2	121	300	2	183
Mt. Forest Twp.	49	0	18	31	0	32
Pinconning Twp.	140	1	58	81	1	96
Portsmouth Twp.	86	2	33	51	2	40
Williams Twp.	156	0	51	105	0	70
Auburn	41	0	13	28	0	15
Pinconning	62	0	17	45	0	20
Essexville	84	0	11	73	0	19
Saginaw Valley State	0	0	0	0	0	0
Delta College	18	0	3	15	0	3
Bay City	1299	1	322	976	1	451
Midland	9	0	1	8	0	1
Unknown Community	14	0	2	12	0	4
Benzie County						
Almira Twp.	50	0	13	37	0	17
Benzonia Twp.	103	0	11	92	0	17
Blaine Twp.	12	0	4	8	0	6
Colfax Twp.	44	1	4	39	1	4
Crystal Lake Twp.	26	0	5	21	0	11
Gilmore Twp.	12	0	2	10	0	3
Homestead Twp.	77	0	18	59	0	33
Inland Twp.	69	0	15	54	0	19
Joyfield Twp.	51	2	6	43	3	7
Lake Twp.	26	0	6	20	0	10
Platte Twp.	19	0	2	17	0	2
Weldon Twp.	49	0	10	39	0	19
Benzonia	27	0	7	20	0	9

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1994 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Beulah	23	0	4	19	0	9
Elberta	3	0	0	3	0	0
Honor	9	0	2	7	0	2
Lake Ann	5	0	1	4	0	4
Thompsonville	3	0	1	2	0	1
Frankfort	6	1	1	4	1	3
Unknown Community	4	0	1	3	0	1
Berrien County						
Bainbridge Twp.	99	0	30	69	0	54
Baroda Twp.	72	0	30	42	0	44
Benton Twp.	995	9	283	703	9	428
Berrien Twp.	160	1	45	114	1	59
Bertrand Twp.	119	0	35	84	0	49
Buchanan Twp.	85	1	24	60	1	33
Chikaming Twp.	165	3	32	130	3	65
Coloma Twp.	140	1	33	106	1	43
Galien Twp.	40	0	6	34	0	8
Hagar Twp.	147	1	40	106	1	61
Lake Twp.	119	0	28	91	0	38
Lincoln Twp.	365	3	92	270	3	124
New Buffalo Twp.	158	1	36	121	1	63
Niles Twp.	445	3	113	329	3	176
Oronoko Twp.	249	2	69	178	3	100
Pipestone Twp.	63	0	11	52	0	16
Royalton Twp.	184	3	56	125	4	94
St. Joseph Twp.	322	0	84	238	0	118
Sodus Twp.	113	0	38	75	0	57
Three Oaks Twp.	31	0	6	25	0	7
Watervliet Twp.	138	1	35	102	1	61
Weesaw Twp.	54	0	14	40	0	17
Baroda	8	0	3	5	0	3
Eau Claire	15	0	2	13	0	2
Galien	7	0	3	4	0	3
Grand Beach	9	0	2	7	0	5
Michiana	1	0	0	1	0	0
Shoreham	14	1	4	9	1	8
Berrien Springs	77	0	15	62	0	30
Bridgman	82	0	17	65	0	22
Coloma	76	0	21	55	0	27
Stevensville	47	0	8	39	0	13
Three Oaks	34	0	2	32	0	2
Watervliet	62	0	15	47	0	21
Buchanan	82	0	18	64	0	23
New Buffalo	59	0	22	37	0	31
Benton Harbor	578	1	122	455	1	153
Niles	586	1	134	451	1	192
St. Joseph	438	0	80	358	0	114
Unknown Community	6	0	0	6	0	0
Branch County						
Algansee Twp.	84	1	20	63	1	23
Batavia Twp.	88	0	20	68	0	34
Bethel Twp.	69	0	11	58	0	18
Bronson Twp.	80	0	16	64	0	20
Butler Twp.	47	0	8	39	0	10
California Twp.	40	1	8	31	1	18
Coldwater Twp.	205	2	35	168	2	63
Gilead Twp.	27	0	3	24	0	3
Girard Twp.	149	0	25	124	0	33
Kinderhook Twp.	95	1	20	74	1	26
Mattison Twp.	86	0	16	70	0	24
Noble Twp.	17	0	1	16	0	1
Ovid Twp.	139	1	15	123	1	18

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1994 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Quincy Twp.	164	2	32	130	2	46
Sherwood Twp.	78	2	18	58	2	25
Union Twp.	67	0	11	56	0	14
Sherwood	2	0	0	2	0	0
Bronson	40	0	4	36	0	7
Quincy	43	0	12	31	0	14
Union City	13	0	3	10	0	3
Coldwater	464	1	105	358	1	177
Unknown Community	1	0	1	0	0	1
Calhoun County						
Albion Twp.	81	0	9	72	0	15
Athens Twp.	65	0	15	50	0	21
Bedford Twp.	183	0	43	140	0	63
Burlington Twp.	87	0	15	72	0	22
Clarence Twp.	75	0	14	61	0	20
Clarendon Twp.	59	0	1	58	0	1
Convis Twp.	143	2	21	120	2	31
Eckford Twp.	82	1	9	72	1	14
Emmet Twp.	661	2	171	488	2	240
Fredonia Twp.	136	0	9	127	0	12
Homer Twp.	62	0	7	55	0	10
Lee Twp.	89	0	11	78	0	18
Leroy Twp.	155	0	35	120	0	46
Marengo Twp.	171	1	19	151	1	24
Marshall Twp.	306	2	47	257	2	66
Newton Twp.	101	1	13	87	1	23
Pennfield Twp.	319	0	51	268	0	71
Sheridan Twp.	173	2	31	140	2	43
Tekonsha Twp.	116	0	18	98	0	28
Athens	16	0	4	12	0	4
Burlington	5	0	0	5	0	0
Tekonsha	19	0	1	18	0	2
Homer	37	0	9	28	0	11
Union City	1	0	0	1	0	0
Springfield	279	0	81	198	0	128
Marshall	250	0	52	198	0	62
Albion	226	0	51	175	0	79
Battle Creek	2551	5	569	1977	5	768
Unknown Community	13	0	2	11	0	5
Cass County						
Calvin Twp.	99	1	18	80	2	26
Howard Twp.	132	1	39	92	1	68
Jefferson Twp.	125	3	15	107	3	29
LaGrange Twp.	129	1	19	109	1	33
Marcellus Twp.	95	0	10	85	0	15
Mason Twp.	70	2	22	46	2	39
Milton Twp.	129	1	39	89	1	56
Newberg Twp.	95	1	19	75	1	33
Ontwa Twp.	143	0	25	118	0	39
Penn Twp.	105	0	19	86	0	29
Pokagon Twp.	103	4	21	78	6	38
Porter Twp.	156	1	31	124	1	46
Silver Creek Twp.	187	0	19	168	0	24
Volinia Twp.	58	0	13	45	0	15
Wayne Twp.	113	1	20	92	2	29
Vandalia	4	0	0	4	0	0
Cassopolis	22	0	0	22	0	0
Edwardsburg	43	0	10	33	0	11
Marcellus	35	0	4	31	0	4
Dowagiac	213	0	38	175	0	54
Niles	0	0	0	0	0	0

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1994 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Unknown Community	6	0	1	5	0	
Charlevoix County						
Bay Twp.	38	0	5	33	0	5
Boyne Valley Twp.	97	0	16	81	0	31
Chandler Twp.	15	0	4	11	0	4
Charlevoix Twp.	49	0	16	33	0	21
Evangeline Twp.	39	0	3	36	0	3
Eveline Twp.	78	1	6	71	1	11
Hayes Twp.	135	1	17	117	2	28
Hudson Twp.	31	0	1	30	0	1
Marion Twp.	65	0	8	57	0	9
Melrose Twp.	87	2	18	67	2	31
Norwood Twp.	70	0	6	64	0	13
Peaine Twp.	12	0	4	8	0	8
St. James Twp.	7	0	1	6	0	1
South Arm Twp.	66	2	8	56	2	16
Wilson Twp.	84	0	19	65	0	25
Boyne Falls	13	0	1	12	0	1
East Jordan	80	0	10	70	0	15
Boyne City	121	0	21	100	0	24
Charlevoix	183	1	42	140	1	58
Unknown Community	1	0	0	1	0	0
Cheboygan County						
Aloha Twp.	38	0	4	34	0	4
Beaugrand Twp.	43	0	10	33	0	14
Benton Twp.	71	0	27	44	0	32
Burt Twp.	54	0	14	40	0	27
Ellis Twp.	44	0	9	35	0	13
Forest Twp.	33	0	7	26	0	9
Grant Twp.	30	0	7	23	0	9
Hebron Twp.	37	0	5	32	0	7
Inverness Twp.	114	0	35	79	0	49
Koehler Twp.	34	0	8	26	0	8
Mackinaw Twp.	35	0	7	28	0	14
Mentor Twp.	45	0	11	34	0	16
Mullet Twp.	22	0	3	19	0	5
Munro Twp.	46	0	9	37	0	13
Nunda Twp.	60	0	18	42	0	27
Tuscarora Twp.	134	1	23	110	1	30
Walker Twp.	17	0	1	16	0	2
Waverly Twp.	28	0	5	23	0	5
Wilmot Twp.	27	0	10	17	0	15
Mackinaw City	38	0	1	37	0	1
Wolverine	11	0	4	7	0	6
Cheboygan	47	0	27	20	0	43
Unknown Community	3	0	1	2	0	1
Chippewa County						
Bay Mills Twp.	23	1	5	17	1	6
Bruce Twp.	83	0	9	74	0	17
Chippewa Twp.	38	0	10	28	0	15
Dafer Twp.	79	1	15	63	1	40
Detour Twp.	41	1	5	35	1	6
Drummond Twp.	76	0	15	61	0	19
Hulbert Twp.	29	1	6	22	1	9
Kinross Twp.	109	0	21	88	0	30
Pickford Twp.	104	2	5	97	2	9
Raber Twp.	37	0	2	35	0	4
Rudyard Twp.	66	1	20	45	1	28
Soo Twp.	105	1	25	79	1	39
Sugar Island Twp.	15	0	3	12	0	4
Superior Twp.	64	0	12	52	0	15
Trout Lake Twp.	27	0	4	23	0	4

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1994 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Whitefish Twp.	33	0	10	23	0	13
Detour	16	0	1	15	0	1
Sault Ste. Marie	616	0	90	526	0	119
Unknown Community	1	0	0	1	0	0
Clare County						
Arthur Twp.	46	2	0	44	2	1
Franklin Twp.	16	1	4	11	1	6
Freeman Twp.	45	0	6	39	0	9
Frost Twp.	87	0	12	75	0	21
Garfield Twp.	89	2	14	73	2	21
Grant Twp.	284	0	37	247	0	73
Greenwood Twp.	59	0	9	50	0	14
Hamilton Twp.	61	0	12	49	0	23
Hatton Twp.	143	2	16	125	2	25
Hayes Twp.	175	0	41	134	0	56
Lincoln Twp.	67	0	9	58	0	15
Redding Twp.	18	0	2	16	0	2
Sheridan Twp.	61	0	14	47	0	19
Summerfield Twp.	22	0	5	17	0	5
Surrey Twp.	179	1	38	140	1	62
Winterfield Twp.	22	0	5	17	0	6
Farwell	26	0	10	16	0	18
Harrison	93	0	22	71	0	26
Clare	138	0	27	111	0	33
Unknown Community	8	0	1	7	0	1
Clinton County						
Bath Twp.	247	0	52	195	0	77
Bengal Twp.	39	2	11	26	2	27
Bingham Twp.	133	0	34	99	0	52
Dallas Twp.	39	0	6	33	0	9
Dewitt Twp.	491	0	106	385	0	149
Duplain Twp.	80	0	17	63	0	24
Eagle Twp.	133	0	23	110	0	35
Essex Twp.	50	1	9	40	1	14
Greenbush Twp.	109	0	23	86	0	36
Lebanon Twp.	42	1	4	37	1	6
Olive Twp.	132	0	19	113	0	28
Ovid Twp.	79	0	18	61	0	29
Riley Twp.	41	0	9	32	0	10
Victor Twp.	115	0	18	97	0	21
Watertown Twp.	217	1	56	160	1	80
Westphalia Twp.	45	0	11	34	0	14
Eagle	0	0	0	0	0	0
Elsie	17	0	0	17	0	0
Hubbardston	0	0	0	0	0	0
Maple Rapids	8	0	1	7	0	1
Westphalia	5	0	2	3	0	2
Capitol City Airport	0	0	0	0	0	0
Dewitt	41	0	7	34	0	11
Fowler	19	0	4	15	0	10
Ovid	24	0	3	21	0	7
St. Johns	295	0	48	247	0	66
Lansing	0	0	0	0	0	0
Unknown Community	4	0	0	4	0	0
Crawford County						
Beaver Creek Twp.	99	0	17	82	0	25
Frederic Twp.	63	0	9	54	0	14
Grayling Twp.	331	2	50	279	2	70
Lovells Twp.	48	0	7	41	0	7
Maple Forest Twp.	39	0	8	31	0	11
South Branch Twp.	46	0	2	44	0	2

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1994 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Camp Grayling	2	0	0	2	0	0
Grayling	64	0	10	54	0	16
Unknown Community	7	0	1	6	0	1
Delta County						
Baldwin Twp.	79	1	3	75	1	8
Bark River Twp.	148	1	9	138	2	14
Bay De Noc Twp.	39	0	3	36	0	3
Brampton Twp.	63	0	6	57	0	7
Cornell Twp.	71	0	7	64	0	8
Ensign Twp.	58	0	6	52	0	7
Escanaba Twp.	125	0	16	109	0	22
Fairbanks Twp.	12	0	2	10	0	2
Ford River Twp.	148	1	21	126	2	34
Garden Twp.	52	0	7	45	0	10
Maple Ridge Twp.	104	0	4	100	0	4
Masonville Twp.	187	0	15	172	0	26
Nahma Twp.	69	0	9	60	0	10
Wells Twp.	272	1	35	236	1	50
Garden	0	0	0	0	0	0
Gladstone	162	0	30	132	0	52
Escanaba	671	0	149	522	0	236
Unknown Community	5	0	0	5	0	0
Dickinson County						
Breen Twp.	37	0	4	33	0	4
Breitung Twp.	459	1	49	409	4	70
Felch Twp.	102	0	6	96	0	6
Norway Twp.	116	0	13	103	0	14
Sagola Twp.	203	0	20	183	0	25
Waucedah Twp.	120	1	6	113	1	7
West Branch Twp.	21	0	4	17	0	6
Norway	137	0	28	109	0	33
Iron Mountain	333	0	98	235	0	143
Kingsford	119	0	27	92	0	39
Unknown Community	2	0	0	2	0	0
Eaton County						
Bellevue Twp.	111	0	20	91	0	30
Benton Twp.	155	0	26	129	0	39
Brookfield Twp.	67	1	11	55	2	19
Carmel Twp.	119	2	24	93	2	32
Chester Twp.	75	1	12	62	2	17
Delta Twp.	1330	3	329	998	3	495
Eaton Twp.	209	0	46	163	0	72
Eaton Rapids Twp.	144	0	32	112	0	46
Hamlin Twp.	123	0	25	98	0	33
Kalamo Twp.	58	0	13	45	0	20
Oneida Twp.	136	1	29	106	2	41
Roxand Twp.	63	0	11	52	0	17
Sunfield Twp.	85	0	15	70	0	26
Vermontville Twp.	103	0	20	83	0	27
Walton Twp.	139	1	21	117	1	35
Windsor Twp.	301	1	68	232	1	91
Dimondale	12	0	2	10	0	2
Mulliken	1	0	1	0	0	2
Sunfield	9	0	1	8	0	2
Vermontville	11	0	3	8	0	3
Bellevue	3	0	2	1	0	2
Olivet	11	0	5	6	0	6
Potterville	33	0	7	26	0	10
Eaton Rapids	138	0	29	109	0	45
Charlotte	325	1	89	235	1	124
Grand Ledge	192	0	42	150	0	56
Lansing	22	0	4	18	0	8

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1994 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Unknown Community	7	0	1	6	0	1
Emmet County						
Bear Creek Twp.	373	2	80	291	2	131
Bliss Twp.	21	0	4	17	0	4
Carp Lake Twp.	31	0	4	27	0	4
Center Twp.	47	0	5	42	0	5
Cross Village Twp.	17	0	9	8	0	12
Friendship Twp.	35	1	9	25	1	13
Littlefield Twp.	62	0	17	45	0	22
Little Traverse Twp.	152	1	37	114	1	54
McKinley Twp.	37	0	7	30	0	12
Pleasant View Twp.	43	0	11	32	0	16
Maple River Twp.	47	1	4	42	1	5
Readmond Twp.	19	2	6	11	2	12
Resort Twp.	107	1	21	85	1	32
Springvale Twp.	57	0	14	43	0	15
Wawatam Twp.	11	0	2	9	0	2
West Traverse Twp.	32	0	9	23	0	11
Alanson	30	0	7	23	0	11
Mackinaw City	35	0	6	29	0	9
Pellston	5	0	1	4	0	1
Harbor Springs	44	0	8	36	0	12
Petoskey	345	1	65	279	1	86
Unknown Community	0	0	0	0	0	0
Genesee County						
Argentine Twp.	136	0	29	107	0	41
Atlas Twp.	130	1	27	102	2	49
Clayton Twp.	209	3	48	158	3	94
Davison Twp.	450	2	120	328	2	177
Fenton Twp.	280	0	65	215	0	87
Flint Twp.	1751	5	510	1236	7	754
Flushing Twp.	150	0	34	116	0	43
Forest Twp.	114	3	32	79	5	65
Gaines Twp.	106	1	18	87	1	26
Genesee Twp.	547	4	167	376	4	259
Grand Blanc Twp.	704	6	185	513	6	262
Montrose Twp.	152	0	31	121	0	51
Mt. Morris Twp.	854	5	274	575	7	431
Mundy Twp.	558	3	148	407	5	222
Richfield Twp.	210	1	58	151	1	94
Thetford Twp.	156	3	60	93	4	108
Vienna Twp.	482	3	119	360	4	181
Gaines	3	0	2	1	0	4
Goodrich	41	0	17	24	0	29
Otter Lake	0	0	0	0	0	0
Otisville	10	0	0	10	0	0
Lennon	2	0	1	1	0	1
Clio	103	0	28	75	0	37
Linden	44	0	10	34	0	17
Montrose	34	0	6	28	0	6
Mt. Morris	79	0	16	63	0	26
Swartz Creek	164	0	33	131	0	43
Davison	176	0	42	134	0	60
Fenton	404	3	100	301	4	134
Flushing	118	0	30	88	0	37
Grand Blanc	172	0	29	143	0	39
Burton	1003	6	329	668	7	541
University of Michigan-Flint	0	0	0	0	0	0
Flint	6289	19	2032	4238	21	3095
Unknown Community	27	0	8	19	0	8

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1994 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Gladwin County						
Beaverton Twp.	95	0	17	78	0	24
Bentley Twp.	26	0	5	21	0	7
Billings Twp.	65	0	19	46	0	25
Bourret Twp.	17	0	4	13	0	5
Buckeye Twp.	62	0	12	50	0	24
Butman Twp.	58	0	10	48	0	14
Clement Twp.	28	0	4	24	0	4
Gladwin Twp.	42	0	8	34	0	12
Grim Twp.	25	0	5	20	0	10
Grout Twp.	92	0	17	75	0	22
Hay Twp.	56	2	15	39	2	27
Sage Twp.	86	1	13	72	1	20
Secord Twp.	48	0	4	44	0	4
Sherman Twp.	64	0	12	52	0	13
Tobacco Twp.	108	0	17	91	0	30
Beaverton	24	0	9	15	0	16
Gladwin	92	0	21	71	0	25
Unknown Community	0	0	0	0	0	0
Gogebic County						
Bessemer Twp.	49	1	8	40	1	13
Erwin Twp.	14	0	2	12	0	5
Ironwood Twp.	65	1	14	50	1	20
Marenisco Twp.	52	0	3	49	0	3
Wakefield Twp.	42	0	7	35	0	11
Watersmeet Twp.	70	1	12	57	1	17
Bessemer	52	0	10	42	0	11
Wakefield	30	0	2	28	0	3
Ironwood	228	1	45	182	1	56
Unknown Community	1	0	0	1	0	0
Grand Traverse County						
Acme Twp.	172	1	28	143	1	39
Blair Twp.	244	0	66	178	0	106
East Bay Twp.	396	2	91	303	2	166
Fife Lake Twp.	58	0	9	49	0	12
Garfield Twp.	755	2	184	569	3	285
Grant Twp.	46	1	11	34	1	19
Green Lake Twp.	134	1	32	101	1	49
Long Lake Twp.	143	0	29	114	0	44
Mayfield Twp.	68	1	13	54	1	26
Peninsula Twp.	66	0	17	49	0	26
Paradise Twp.	108	1	15	92	1	19
Union Twp.	42	0	10	32	0	14
White Water Twp.	88	0	19	69	0	33
Fife Lake	7	0	2	5	0	2
Kingsley	24	1	5	18	1	12
Traverse City	1275	0	247	1028	0	343
Unknown Community	5	0	1	4	0	2
Gratiot County						
Arcadia Twp.	94	0	21	73	0	28
Bethany Twp.	62	1	11	50	1	18
Elba Twp.	71	0	7	64	0	14
Emerson Twp.	111	1	23	87	1	30
Fulton Twp.	71	1	16	54	2	26
Hamilton Twp.	33	0	4	29	0	7
Lafayette Twp.	29	1	7	21	1	15
Newark Twp.	37	1	6	30	1	9
New Haven Twp.	47	1	4	42	2	7
North Shade Twp.	30	0	8	22	0	10
North Star Twp.	61	2	6	53	2	15
Pine River Twp.	251	2	53	196	2	87

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1994 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Seville Twp.	135	0	24	111	0	33
Sumner Twp.	82	0	13	69	0	23
Washington Twp.	108	0	30	78	0	51
Wheeler Twp.	63	0	9	54	0	13
Ashley	4	0	1	3	0	4
Perrinton	9	0	0	9	0	0
Breckenridge	25	0	5	20	0	7
Ithaca	53	0	11	42	0	18
St. Louis	91	0	20	71	0	29
Alma	283	0	45	238	0	64
Unknown Community	4	0	0	4	0	0
Hillsdale County						
Adams Twp.	109	0	13	96	0	19
Allen Twp.	98	0	15	83	0	24
Amboy Twp.	44	1	6	37	1	8
Cambria Twp.	120	0	25	95	0	42
Camden Twp.	59	1	10	48	1	19
Fayette Twp.	164	0	34	130	0	56
Hillsdale Twp.	103	0	11	92	0	14
Jefferson Twp.	141	0	34	107	0	54
Litchfield Twp.	63	0	13	50	0	24
Moscow Twp.	96	1	21	74	1	34
Pittsford Twp.	62	0	8	54	0	11
Ransom Twp.	45	1	7	37	1	11
Reading Twp.	91	0	18	73	0	21
Scipio Twp.	73	0	14	59	0	17
Somerset Twp.	99	0	23	76	0	37
Wheatland Twp.	69	0	13	56	0	19
Woodbridge Twp.	48	2	10	36	2	17
Wright Twp.	42	1	7	34	1	11
Allen	3	0	1	2	0	1
Camden	6	0	2	4	0	2
Montgomery	4	0	1	3	0	1
North Adams	6	0	3	3	0	3
Waldron	6	0	3	3	0	4
Jonesville	77	0	5	72	0	8
Litchfield	24	0	2	22	0	2
Reading	23	0	6	17	0	9
Hillsdale	461	0	109	352	0	155
Unknown Community	0	0	0	0	0	0
Houghton County						
Adams Twp.	58	1	14	43	1	21
Calumet Twp.	85	1	20	64	1	25
Chassell Twp.	78	0	14	64	0	21
Duncan Twp.	37	0	2	35	0	3
Elm River Twp.	30	0	3	27	0	5
Franklin Twp.	55	1	14	40	1	19
Hancock Twp.	14	0	2	12	0	2
Laird Twp.	42	1	2	39	1	2
Osceola Twp.	50	0	13	37	0	25
Portage Twp.	148	0	40	108	0	64
Quincy Twp.	7	0	1	6	0	1
Stanton Twp.	26	0	11	15	0	15
Schoolcraft Twp.	22	0	2	20	0	2
Torch Lake Twp.	39	0	9	30	0	16
Copper City	0	0	0	0	0	0
South Range	9	0	3	6	0	4
Calumet	35	0	6	29	0	7
Lake Linden	25	0	5	20	0	7
Hancock	252	0	33	219	0	43
Laurium	26	0	2	24	0	2
Houghton	347	1	65	281	1	95

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1994 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Michigan Tech. University	29	0	4	25	0	5
Unknown Community	3	0	1	2	0	2
Huron County						
Bingham Twp.	68	0	10	58	0	18
Bloomfield Twp.	24	0	2	22	0	2
Brookfield Twp.	23	0	7	16	0	12
Caseville Twp.	55	0	6	49	0	11
Chandler Twp.	19	0	7	12	0	8
Colfax Twp.	138	2	27	109	2	42
Dwight Twp.	38	0	1	37	0	1
Fair Haven Twp.	32	0	7	25	0	8
Gore Twp.	14	0	1	13	0	1
Grant Twp.	91	0	13	78	0	20
Hume Twp.	43	0	6	37	0	10
Huron Twp.	34	0	4	30	0	6
Lake Twp.	52	0	15	37	0	26
Lincoln Twp.	38	0	4	34	0	6
McKinley Twp.	29	0	7	22	0	10
Meade Twp.	52	0	5	47	0	10
Oliver Twp.	44	0	9	35	0	10
Paris Twp.	37	0	8	29	0	11
Pte. Aux Barques Twp.	1	0	0	1	0	0
Port Austin Twp.	44	1	6	37	1	9
Rubicon Twp.	39	0	4	35	0	4
Sand Beach Twp.	78	0	14	64	0	22
Sebewaing Twp.	51	0	20	31	0	36
Sheridan Twp.	80	0	9	71	0	12
Sherman Twp.	49	0	11	38	0	18
Sigel Twp.	52	0	8	44	0	8
Verona Twp.	201	0	23	178	0	35
Windsor Twp.	35	0	11	24	0	14
Caseville	32	0	12	20	0	21
Elkton	30	0	1	29	0	1
Kinde	3	0	1	2	0	1
Owendale	10	0	1	9	0	1
Port Austin	8	0	0	8	0	0
Port Hope	8	0	0	8	0	0
Ubly	8	0	1	7	0	1
Harbor Beach	40	1	9	30	1	14
Pigeon	23	1	2	20	1	4
Sebewaing	34	0	10	24	0	13
Bad Axe	138	0	20	118	0	31
Unknown Community	2	0	0	2	0	0
Ingham County						
Alaiedon Twp.	328	1	54	273	1	84
Aurelius Twp.	122	0	19	103	0	25
Bunker Hill Twp.	57	0	8	49	0	13
Delhi Twp.	648	2	122	524	2	179
Ingham Twp.	76	1	14	61	1	22
Lansing Twp.	759	5	139	615	5	199
Leroy Twp.	133	0	16	117	0	29
Leslie Twp.	108	0	26	82	0	35
Locke Twp.	73	1	13	59	1	15
Meridian Twp.	1104	1	301	802	1	434
Onondaga Twp.	106	0	19	87	0	22
Stockbridge Twp.	104	2	13	89	3	24
Vevay Twp.	178	0	36	142	0	50
Wheatfield Twp.	124	0	20	104	0	27
White Oak Twp.	54	1	5	48	2	10
Williamston Twp.	169	1	33	135	1	48
Dansville	6	0	0	6	0	0
Leslie	27	0	4	23	0	4

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1994 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Stockbridge	33	0	6	27	0	10
Webberville	20	1	2	17	2	3
Williamston	49	0	9	40	0	16
Mason	178	0	36	142	0	48
East Lansing	1363	3	369	991	3	487
Michigan State University	432	0	75	357	0	84
Lansing	5350	9	1381	3960	9	1875
Unknown Community	23	0	6	17	0	10
Ionia County						
Berlin Twp.	188	3	35	150	4	56
Boston Twp.	201	1	49	151	1	67
Campbell Twp.	78	1	16	61	1	26
Danby Twp.	98	1	32	65	2	46
Easton Twp.	178	0	30	148	0	39
Ionia Twp.	237	1	42	194	2	62
Keene Twp.	52	0	16	36	0	29
Lyons Twp.	99	0	17	82	0	29
North Plains Twp.	81	2	12	67	2	16
Odessa Twp.	66	0	10	56	0	12
Orange Twp.	179	1	37	141	1	53
Orleans Twp.	135	0	22	113	0	29
Otisco Twp.	140	0	56	84	0	81
Portland Twp.	103	1	21	81	1	31
Ronald Twp.	100	1	16	83	1	24
Sebewa Twp.	43	0	4	39	0	6
Clarksville	4	0	0	4	0	0
Hubbardston	6	0	2	4	0	5
Lyons	13	0	3	10	0	5
Muir	19	0	5	14	0	7
Pewamo	14	1	4	9	1	5
Lake Odessa	62	0	11	51	0	14
Saranac	16	0	1	15	0	2
Portland	77	0	9	68	0	13
Belding	63	0	17	46	0	25
Ionia	297	0	62	235	0	81
Unknown Community	0	0	0	0	0	0
Iosco County						
Alabaster Twp.	75	1	4	70	1	5
Au Sable Twp.	77	0	13	64	0	21
Baldwin Twp.	95	1	21	73	1	32
Burleigh Twp.	53	0	8	45	0	11
Grant Twp.	59	0	12	47	0	13
Oscoda Twp.	290	1	66	223	1	92
Plainfield Twp.	169	0	52	117	0	73
Reno Twp.	79	0	11	68	0	18
Sherman Twp.	30	1	1	28	1	1
Tawas Twp.	127	1	22	104	1	31
Wilber Twp.	41	0	6	35	0	9
Whittemore	5	0	1	4	0	1
East Tawas	99	0	17	82	0	31
Tawas City	76	0	17	59	0	18
Unknown Community	0	0	0	0	0	0
Iron County						
Bates Twp.	109	0	7	102	0	12
Crystal Falls Twp.	180	0	21	159	0	28
Hematite Twp.	50	0	4	46	0	5
Iron River Twp.	108	0	8	100	0	9
Mansfield Twp.	75	0	8	67	0	11
Mastodon Twp.	93	0	9	84	0	13
Stambaugh Twp.	152	0	13	139	0	14
Alpha	3	0	0	3	0	0
Gaastra	7	0	2	5	0	2

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1994 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Mineral Hills	3	0	1	2	0	3
Caspian	19	0	5	14	0	5
Crystal Falls	45	0	3	42	0	3
Stambaugh	25	0	4	21	0	5
Iron River	113	0	25	88	0	29
Unknown Community	5	0	0	5	0	0
Isabella County						
Broomfield Twp.	79	1	13	65	1	19
Chippewa Twp.	205	1	62	142	1	101
Coe Twp.	118	0	23	95	0	31
Coldwater Twp.	45	0	1	44	0	1
Deerfield Twp.	212	1	33	178	1	53
Denver Twp.	59	0	8	51	0	10
Fremont Twp.	100	0	13	87	0	18
Gilmore Twp.	93	0	5	88	0	9
Isabella Twp.	92	0	26	66	0	40
Lincoln Twp.	61	0	10	51	0	14
Nottawa Twp.	65	0	12	53	0	16
Rolland Twp.	71	0	12	59	0	15
Sherman Twp.	89	0	12	77	0	19
Union Twp.	371	2	97	272	2	153
Vernon Twp.	124	1	16	107	1	26
Wise Twp.	80	0	17	63	0	30
Rosebush	3	0	1	2	0	1
Shepherd	29	0	1	28	0	1
Clare	3	0	0	3	0	0
Central Michigan University	13	0	5	8	0	7
Mt. Pleasant	813	0	178	635	0	238
Unknown Community	0	0	0	0	0	0
Jackson County						
Blackman Twp.	936	3	226	707	3	332
Columbia Twp.	222	1	35	186	1	56
Concord Twp.	140	2	24	114	2	33
Grass Lake Twp.	212	2	36	174	2	51
Hanover Twp.	103	1	20	82	2	32
Henrietta Twp.	127	1	22	104	1	27
Leoni Twp.	616	4	155	457	6	244
Liberty Twp.	156	0	34	122	0	47
Napoleon Twp.	194	1	45	148	2	67
Norvell Twp.	101	3	17	81	4	27
Parma Twp.	193	1	40	152	1	54
Pulaski Twp.	54	0	7	47	0	7
Rives Twp.	201	2	42	157	2	68
Sandstone Twp.	225	0	50	175	0	75
Spring Arbor Twp.	348	0	53	295	0	90
Springport Twp.	84	0	12	72	0	14
Summit Twp.	612	1	144	467	1	231
Tomkins Twp.	94	1	15	78	1	21
Waterloo Twp.	132	1	28	103	1	40
Cement City	0	0	0	0	0	0
Concord	9	0	5	4	0	5
Hanover	5	0	0	5	0	0
Parma	11	0	0	11	0	0
Springport	14	0	1	13	0	1
Brooklyn	25	0	15	10	0	22
Grass Lake	2	0	0	2	0	0
Jackson	2002	1	407	1594	1	557
Unknown Community	5	0	2	3	0	2
Kalamazoo County						
Alamo Twp.	165	1	32	132	2	49
Brady Twp.	173	0	22	151	0	30
Charleston Twp.	159	0	30	129	0	34

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1994 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Climax Twp.	48	0	8	40	0	13
Comstock Twp.	737	5	172	560	5	255
Cooper Twp.	207	3	37	167	4	54
Kalamazoo Twp.	518	2	145	371	2	221
Oshtemo Twp.	805	3	165	637	3	231
Pavilion Twp.	142	0	33	109	0	40
Prairie Ronde Twp.	68	0	12	56	0	14
Richland Twp.	193	1	36	156	1	58
Ross Twp.	185	0	39	146	0	57
Schoolcraft Twp.	207	3	46	158	4	70
Texas Twp.	268	3	41	224	3	46
Wakeshma Twp.	44	0	6	38	0	7
Climax	4	0	0	4	0	0
Richland	31	0	2	29	0	3
Augusta	17	0	4	13	0	8
Galesburg	34	0	11	23	0	18
Parchment	52	0	4	48	0	4
Schoolcraft	77	1	18	58	1	24
Vicksburg	31	0	0	31	0	0
Western Michigan University	116	0	17	99	0	19
Portage	1644	4	330	1310	4	460
Kalamazoo	4133	4	826	3303	4	1129
Unknown Community	16	0	3	13	0	4
Kalkaska County						
Blue Lake Twp.	17	0	4	13	0	4
Boardman Twp.	43	0	9	34	0	14
Clearwater Twp.	126	3	18	105	3	31
Cold Springs Twp.	32	0	7	25	0	10
Excelsior Twp.	88	0	14	74	0	25
Garfield Twp.	34	0	3	31	0	5
Kalkaska Twp.	137	1	29	107	1	52
Oliver Twp.	11	0	1	10	0	2
Orange Twp.	43	0	3	40	0	3
Rapid River Twp.	54	0	11	43	0	12
Springfield Twp.	37	1	12	24	1	20
Bear Lake Twp.	50	1	8	41	1	11
Kalkaska	116	1	29	86	1	35
Unknown Community	1	0	1	0	0	1
Kent County						
Ada Twp.	371	1	98	272	1	137
Algoma Twp.	314	1	56	257	2	91
Alpine Twp.	345	4	88	253	5	147
Bowne Twp.	95	1	16	78	1	24
Byron Twp.	578	5	113	460	6	160
Cannon Twp.	273	4	66	203	4	109
Caledonia Twp.	336	1	63	272	1	90
Cascade Twp.	717	2	167	548	2	234
Courtland Twp.	174	0	34	140	0	52
Gaines Twp.	418	1	112	305	1	169
Grand Rapids Twp.	553	1	127	425	1	185
Grattan Twp.	111	0	19	92	0	32
Lowell Twp.	236	3	55	178	4	83
Nelson Twp.	128	1	22	105	1	41
Oakfield Twp.	155	1	42	112	1	68
Plainfield Twp.	1050	7	271	772	13	395
Solon Twp.	186	3	46	137	3	71
Sparta Twp.	173	3	45	125	3	80
Spencer Twp.	110	1	22	87	1	29
Tyrone Twp.	127	2	22	103	3	33
Vergennes Twp.	99	0	16	83	0	23
Caledonia	12	0	0	12	0	0
Casnovia	1	0	0	1	0	0

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1994 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Kent City	30	0	7	23	0	10
Sand Lake	25	0	7	18	0	8
Cedar Springs	56	0	7	49	0	10
Rockford	116	0	35	81	0	59
Lowell	154	0	35	119	0	49
Sparta	100	0	20	80	0	27
East Grand Rapids	204	1	34	169	1	37
Grandville	757	1	181	575	1	264
Kentwood	1731	2	447	1282	2	605
Walker	1300	6	321	973	7	432
Wyoming	2752	6	694	2052	8	993
Grand Rapids	8416	11	2102	6303	11	2861
Unknown Community	42	0	9	33	0	12
Keweenaw County						
Allouez Twp.	27	0	4	23	0	4
Eagle Harbor Twp.	14	0	5	9	0	6
Grant Twp.	19	0	6	13	0	9
Houghton Twp.	11	0	2	9	0	2
Sherman Twp.	7	0	5	2	0	5
Ahmeek	1	0	0	1	0	0
Unknown Community	1	0	0	1	0	0
Lake County						
Chase Twp.	57	1	9	47	1	15
Cherry Valley Twp.	21	0	5	16	0	5
Dover Twp.	33	0	3	30	0	3
Eden Twp.	25	0	3	22	0	5
Elk Twp.	34	0	3	31	0	3
Ellsworth Twp.	34	0	6	28	0	9
Lake Twp.	37	0	11	26	0	19
Newkirk Twp.	41	0	9	32	0	15
Peacock Twp.	45	0	4	41	0	5
Pinora Twp.	11	0	0	11	0	0
Pleasant Plains Twp.	75	1	9	65	1	14
Sauble Twp.	12	0	2	10	0	3
Sweetwater Twp.	31	0	4	27	0	7
Webber Twp.	45	0	7	38	0	10
Yates Twp.	32	0	9	23	0	14
Baldwin	37	0	3	34	0	4
Luther	4	1	2	1	1	4
Unknown Community	2	0	1	1	0	1
Lapeer County						
Almont Twp.	134	1	39	94	1	67
Arcadia Twp.	90	0	21	69	0	31
Attica Twp.	176	0	42	134	0	66
Burlington Twp.	37	1	10	26	1	14
Burnside Twp.	87	0	26	61	0	38
Deerfield Twp.	188	2	48	138	2	69
Dryden Twp.	112	3	20	89	3	34
Elba Twp.	229	1	45	183	1	59
Goodland Twp.	73	0	10	63	0	14
Hadley Twp.	89	1	27	61	1	31
Imlay Twp.	141	1	23	117	1	35
Lapeer Twp.	314	1	80	233	1	111
Marathon Twp.	98	0	21	77	0	33
Mayfield Twp.	264	1	74	189	1	124
Metamora Twp.	242	1	64	177	1	93
North Branch Twp.	83	0	16	67	0	28
Oregon Twp.	167	1	31	135	1	52
Rich Twp.	57	0	12	45	0	19
Clifford	4	0	3	1	0	3
Columbiaville	8	0	0	8	0	0
Dryden	8	0	1	7	0	1

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1994 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Metamora	8	0	0	8	0	0
North Branch	29	1	5	23	1	7
Otter Lake	6	0	2	4	0	2
Almont	71	0	10	61	0	15
Imlay City	158	0	46	112	0	70
Lapeer	526	1	108	417	1	152
Unknown Community	5	0	1	4	0	1
Leelanau County						
Bingham Twp.	65	3	11	51	3	14
Centerville Twp.	35	0	6	29	0	8
Cleveland Twp.	24	0	1	23	0	1
Elmwood Twp.	111	1	19	91	1	36
Empire Twp.	44	1	3	40	1	5
Glen Arbor Twp.	39	0	8	31	0	11
Kasson Twp.	65	0	14	51	0	16
Leelanau Twp.	54	0	6	48	0	7
Leland Twp.	70	0	8	62	0	10
Solon Twp.	77	0	7	70	0	9
Suttons Bay Twp.	58	0	14	44	0	27
Empire	6	0	2	4	0	2
Northport	8	0	0	8	0	0
Suttons Bay	17	0	2	15	0	4
Leland Village	0	0	0	0	0	0
Traverse City	2	0	2	0	0	2
Unknown Community	11	0	0	11	0	0
Lenawee County						
Adrian Twp.	190	2	45	143	2	72
Blissfield Twp.	28	2	8	18	2	18
Cambridge Twp.	219	1	52	166	2	89
Clinton Twp.	56	0	10	46	0	11
Deerfield Twp.	20	0	11	9	0	12
Dover Twp.	83	0	22	61	0	35
Fairfield Twp.	64	1	15	48	2	25
Franklin Twp.	182	0	39	143	0	51
Hudson Twp.	109	0	27	82	0	33
Macon Twp.	80	2	31	47	2	45
Madison Twp.	247	0	66	181	0	116
Medina Twp.	57	3	13	41	3	21
Ogden Twp.	33	0	13	20	0	20
Palmyra Twp.	131	1	49	81	1	79
Raisin Twp.	249	4	76	169	4	132
Ridgeway Twp.	54	1	20	33	2	33
Riga Twp.	52	1	20	31	1	28
Rollin Twp.	91	0	20	71	0	35
Rome Twp.	84	0	25	59	0	36
Seneca Twp.	41	1	11	29	2	14
Tecumseh Twp.	76	0	23	53	0	41
Woodstock Twp.	172	0	38	134	0	62
Addison	10	0	1	9	0	1
Britton	5	0	3	2	0	3
Cement City	3	0	1	2	0	1
Clayton	2	0	0	2	0	0
Deerfield	3	0	2	1	0	2
Onsted	5	0	1	4	0	1
Clinton	51	0	5	46	0	5
Morenci	32	0	3	29	0	3
Blissfield	65	0	17	48	0	24
Hudson	14	0	1	13	0	2
Tecumseh	234	0	54	180	0	84
Adrian	944	2	211	731	2	309
Unknown Community	2	0	1	1	0	2

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1994 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Livingston County						
Brighton Twp.	856	8	189	659	8	297
Cohoctah Twp.	114	3	27	84	4	42
Conway Twp.	56	0	18	38	0	24
Deerfield Twp.	97	0	32	65	0	40
Genoa Twp.	573	1	194	378	1	286
Green Oak Twp.	434	2	95	337	3	127
Hamburg Twp.	295	2	57	236	2	84
Handy Twp.	218	1	48	169	1	67
Hartland Twp.	387	2	115	270	2	188
Howell Twp.	324	4	74	246	4	110
Iosco Twp.	79	0	14	65	0	19
Marion Twp.	238	1	43	194	1	58
Osceola Twp.	215	1	61	153	7	84
Putnam Twp.	152	2	45	105	2	67
Tyrone Twp.	213	2	58	153	2	96
Unadilla Twp.	38	0	10	28	0	11
Pinckney	46	0	7	39	0	10
Brighton	351	0	78	273	0	105
Fowlerville	61	2	19	40	2	23
Howell	400	0	117	283	0	182
Unknown Community	5	0	0	5	0	0
Luce County						
Columbus Twp.	33	0	5	28	0	9
Lakefield Twp.	56	0	12	44	0	16
McMillan Twp.	70	0	29	41	0	36
Pentland Twp.	121	0	20	101	0	26
Newberry	37	0	7	30	0	12
Unknown Community	3	0	0	3	0	0
Mackinac County						
Bois Blanc Twp.	1	0	0	1	0	0
Brevort Twp.	34	0	0	34	0	0
Clark Twp.	115	1	10	104	1	11
Garfield Twp.	136	0	16	120	0	21
Hendricks Twp.	32	0	6	26	0	8
Hudson Twp.	27	0	5	22	0	8
Marquette Twp.	44	0	3	41	0	6
Moran Twp.	108	2	20	86	2	42
Newton Twp.	59	1	3	55	1	5
Portage Twp.	40	0	10	30	0	14
St. Ignace Twp.	130	0	21	109	0	32
Mackinac Island	6	0	1	5	0	1
St. Ignace	69	0	14	55	0	20
Unknown Community	2	0	0	2	0	0
Macomb County						
Armada Twp.	192	0	54	138	0	82
Bruce Twp.	173	1	50	122	2	70
Chesterfield Twp.	1221	4	307	910	4	455
Clinton Twp.	3224	9	928	2287	9	1330
Harrison Twp.	698	2	200	496	2	282
Lenox Twp.	181	1	53	127	1	75
Macomb Twp.	990	1	292	697	1	447
Ray Twp.	147	2	29	116	3	45
Richmond Twp.	102	2	42	58	3	58
Shelby Twp.	1704	3	499	1202	4	725
Washington Twp.	379	2	97	280	2	144
Lake Township	0	0	0	0	0	0
Macomb Co. Comm. College	0	0	0	0	0	0
Stoney Creek Metropark	9	0	3	6	0	8
Armada	10	0	1	9	0	1
Memphis	21	0	6	15	0	10

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1994 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
New Haven	74	1	24	49	1	39
Grosse Pointe Shores	7	0	4	3	0	6
New Baltimore	225	0	67	158	0	109
Richmond	101	0	23	78	0	33
Romeo	169	0	37	132	0	49
Utica	645	0	193	452	0	270
Center Line	438	1	123	314	1	156
Fraser	721	4	193	524	4	291
Mt. Clemens	807	3	184	620	3	279
East Detroit	955	1	247	707	1	338
Roseville	2408	4	728	1676	4	1052
St. Clair Shores	1830	3	455	1372	3	666
Sterling Heights	3860	7	1034	2819	7	1506
Warren	5277	11	1697	3569	12	2459
Unknown Community	22	0	4	18	0	8
Manistee County						
Arcadia Twp.	17	0	4	13	0	5
Bear Lake Twp.	52	0	8	44	0	11
Brown Twp.	35	0	3	32	0	4
Cleon Twp.	38	0	9	29	0	11
Dickson Twp.	40	0	5	35	0	5
Filer Twp.	64	0	9	55	0	16
Manistee Twp.	126	0	16	110	0	18
Maple Grove Twp.	36	1	4	31	1	5
Marilla Twp.	20	0	2	18	0	2
Norman Twp.	94	0	19	75	0	28
Onkama Twp.	22	0	4	18	0	6
Pleasanton Twp.	35	0	10	25	0	14
Springdale Twp.	28	0	7	21	0	9
Stronach Twp.	69	1	9	59	1	9
Bear Lake	7	0	2	5	0	3
Copemish	4	0	0	4	0	0
East Lake	2	0	0	2	0	0
Kaleva	6	0	1	5	0	1
Onkama	6	0	0	6	0	0
Manistee	220	0	46	174	0	60
Unknown Community	1	0	1	0	0	1
Marquette County						
Champion Twp.	18	1	3	14	1	5
Chocolay Twp.	210	1	35	174	1	56
Ely Twp.	83	4	15	64	7	31
Ewing Twp.	6	0	1	5	0	2
Forsyth Twp.	184	0	35	149	0	42
Humboldt Twp.	73	0	11	62	0	16
Ishpeming Twp.	92	0	14	78	0	22
Marquette Twp.	199	0	35	164	0	43
Michigamme Twp.	38	0	5	33	0	6
Negaunee Twp.	150	1	21	128	1	36
Powell Twp.	43	1	15	27	1	24
Republic Twp.	75	0	3	72	0	3
Richmond Twp.	58	1	13	44	1	18
Sands Twp.	95	0	21	74	0	26
Skandia Twp.	72	0	10	62	0	15
Tilden Twp.	52	0	8	44	0	10
Turin Twp.	18	0	4	14	0	6
Wells Twp.	45	0	11	34	0	12
West Branch Twp.	26	0	3	23	0	3
Marquette Airport	0	0	0	0	0	0
Ishpeming	280	2	50	228	2	83
Negaunee	196	0	41	155	0	54
Northern Michigan University	12	0	1	11	0	1
Marquette	886	0	163	723	0	216

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1994 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Unknown Community	6	0	1	5	0	3
Mason County						
Amber Twp.	158	0	39	119	0	60
Branch Twp.	67	0	10	57	0	14
Custer Twp.	101	0	9	92	0	14
Eden Twp.	53	0	7	46	0	11
Freesoil Twp.	48	0	7	41	0	13
Grant Twp.	82	2	11	69	2	17
Logan Twp.	32	0	3	29	0	4
Hamlin Twp.	95	0	13	82	0	16
Meade Twp.	11	0	4	7	0	4
Pere Marquette Twp.	249	1	58	190	1	98
Riverton Twp.	50	0	8	42	0	15
Sheridan Twp.	40	0	7	33	0	9
Sherman Twp.	75	0	12	63	0	21
Summit Twp.	68	1	7	60	1	15
Victory Twp.	87	0	12	75	0	19
Custer	7	0	3	4	0	5
Fountain	5	0	0	5	0	0
Freesoil	1	0	0	1	0	0
Scottville	33	0	4	29	0	5
Ludington	281	0	45	236	0	64
Unknown Community	4	0	1	3	0	3
Mecosta County						
Aetna Twp.	114	0	22	92	0	30
Austin Twp.	74	0	7	67	0	8
Big Rapids Twp.	204	2	11	191	2	14
Chippewa Twp.	89	0	8	81	0	10
Colfax Twp.	153	0	8	145	0	11
Deerfield Twp.	69	0	8	61	0	11
Fork Twp.	119	1	17	101	1	20
Grant Twp.	54	1	6	47	1	9
Green Twp.	212	1	25	186	1	41
Hinton Twp.	129	0	9	120	0	13
Martiny Twp.	110	0	11	99	0	13
Mecosta Twp.	177	1	17	159	1	26
Millbrook Twp.	104	0	9	95	0	10
Morton Twp.	124	0	17	107	0	18
Sheridan Twp.	90	0	15	75	0	25
Wheatland Twp.	149	2	13	134	2	21
Barryton	4	0	1	3	0	1
Mecosta	7	0	1	6	0	1
Morley	2	0	1	1	0	1
Stanwood	3	0	1	2	0	1
Ferris State University	8	0	2	6	0	2
Big Rapids	585	0	100	485	0	121
Unknown Community	0	0	0	0	0	0
Menominee County						
Cedarville Twp.	73	0	5	68	0	5
Daggett Twp.	62	0	4	58	0	5
Faithorn Twp.	28	0	3	25	0	3
Gourley Twp.	22	0	2	20	0	4
Harris Twp.	147	1	14	132	2	17
Holmes Twp.	70	0	4	66	0	5
Ingallston Twp.	83	0	8	75	0	9
Lake Twp.	67	0	6	61	0	7
Mellon Twp.	107	0	11	96	0	12
Menominee Twp.	295	2	35	258	2	46
Meyer Twp.	58	0	5	53	0	6
Nadeau Twp.	113	1	7	105	1	12
Spalding Twp.	145	0	19	126	0	25
Stephenson Twp.	84	0	7	77	0	10

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1994 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Daggett	4	0	2	2	0	2
Powers	11	0	2	9	0	2
Stephenson	20	0	4	16	0	8
Menominee	380	2	83	295	4	122
Unknown Community	18	0	2	16	0	3
Midland County						
Edenville Twp.	93	0	29	64	0	42
Geneva Twp.	49	0	12	37	0	19
Greendale Twp.	62	0	17	45	0	23
Homer Twp.	152	2	35	115	2	52
Hope Twp.	34	0	8	26	0	8
Ingersoll Twp.	95	1	19	75	1	33
Jasper Twp.	42	0	5	37	0	9
Jerome Twp.	163	0	36	127	0	47
Larkin Twp.	147	0	35	112	0	56
Lee Twp.	176	1	38	137	2	62
Lincoln Twp.	105	1	19	85	1	24
Midland Twp.	91	0	23	68	0	35
Mills Twp.	79	0	20	59	0	27
Mt. Haley Twp.	59	1	11	47	2	18
Porter Twp.	36	0	6	30	0	9
Warren Twp.	137	0	19	118	0	33
Sanford	8	0	1	7	0	1
Coleman	24	0	3	21	0	4
Saginaw Valley State College	0	0	0	0	0	0
Midland	1344	6	300	1038	9	434
Unknown Community	6	0	3	3	0	4
Missaukee County						
Aetna Twp.	34	0	0	34	0	0
Bloomfield Twp.	14	0	2	12	0	2
Butterfield Twp.	27	0	1	26	0	1
Caldwell Twp.	52	0	10	42	0	11
Clam Union Twp.	28	0	3	25	0	3
Enterprise Twp.	16	0	0	16	0	0
Forest Twp.	38	1	3	34	1	5
Holland Twp.	17	0	2	15	0	2
Lake Twp.	143	1	24	118	1	37
Norwich Twp.	26	0	7	19	0	8
Pioneer Twp.	14	0	1	13	0	1
Reeder Twp.	63	0	7	56	0	9
Richland Twp.	74	0	9	65	0	15
Riverside Twp.	88	0	9	79	0	14
West Branch Twp.	28	0	1	27	0	3
Lake City	50	1	13	36	1	15
McBain	15	0	1	14	0	1
Unknown Community	1	0	0	1	0	0
Monroe County						
Ash Twp.	240	2	72	166	3	117
Bedford Twp.	644	1	199	444	1	318
Berlin Twp.	175	0	59	116	0	74
Dundee Twp.	124	2	31	91	2	50
Erie Twp.	274	1	82	191	1	124
Exeter Twp.	76	2	29	45	2	46
Frenchtown Twp.	848	5	256	587	6	410
Ida Twp.	123	2	36	85	2	49
Lasalle Twp.	128	2	41	85	2	67
London Twp.	72	1	18	53	1	23
Milan Twp.	115	0	36	79	0	58
Monroe Twp.	428	4	129	295	4	207
Raisinville Twp.	154	1	55	98	1	89
Summerfield Twp.	114	0	48	66	0	68
Whiteford Twp.	210	1	64	145	1	99

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1994 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Estral Beach	0	0	0	0	0	0
Maybee	6	0	1	5	0	1
Carleton	31	0	8	23	0	11
Dundee	62	0	8	54	0	9
Luna Pier	18	0	2	16	0	3
Petersburg	15	0	4	11	0	4
South Rockwood	33	0	10	23	0	19
Milan	13	0	3	10	0	3
Monroe	808	0	193	615	0	285
Unknown Community	2	0	0	2	0	0
Montcalm County						
Belvidere Twp.	159	2	24	133	2	41
Bloomer Twp.	111	0	20	91	0	26
Bushnell Twp.	97	1	26	70	1	36
Cato Twp.	152	1	26	125	1	42
Crystal Twp.	136	0	25	111	0	39
Day Twp.	92	0	9	83	0	16
Douglass Twp.	105	0	20	85	0	33
Eureka Twp.	166	1	51	114	1	88
Evergreen Twp.	130	0	33	97	0	43
Fairplain Twp.	103	2	21	80	2	41
Ferris Twp.	90	0	24	66	0	40
Home Twp.	93	0	21	72	0	26
Maple Valley Twp.	66	0	17	49	0	22
Montcalm Twp.	161	1	30	130	1	41
Pierson Twp.	123	0	22	101	0	29
Pine Twp.	73	0	19	54	0	27
Reynolds Twp.	154	2	35	117	2	47
Richland Twp.	115	0	22	93	0	26
Sidney Twp.	172	0	28	144	0	36
Winfield Twp.	71	1	4	66	2	8
McBride	4	1	2	1	1	2
Pierson	2	0	0	2	0	0
Sheridan	18	0	5	13	0	8
Carson City	16	0	6	10	0	8
Edmore	28	0	6	22	0	10
Howard City	18	0	4	14	0	5
Lakeview	26	0	5	21	0	5
Stanton	44	0	9	35	0	13
Greenville	430	0	101	329	0	164
Unknown Community	10	0	2	8	0	2
Montmorency County						
Albert Twp.	97	1	22	74	1	24
Avery Twp.	51	0	12	39	0	18
Briley Twp.	93	0	22	71	0	30
Hillman Twp.	84	1	18	65	1	22
Loud Twp.	43	0	6	37	0	7
Montmorency Twp.	36	0	4	32	0	6
Rust Twp.	21	0	3	18	0	5
Vienna Twp.	53	0	14	39	0	18
Hillman	21	0	4	17	0	5
Unknown Community	5	0	2	3	0	5
Muskegon County						
Blue Lake Twp.	61	0	13	48	0	18
Casnovia Twp.	92	1	28	63	1	50
Cedar Creek Twp.	85	1	16	68	1	22
Dalton Twp.	338	3	91	244	3	134
Eggleston Twp.	197	2	60	135	2	92
Fruitland Twp.	153	0	31	122	0	45
Fruitport Twp.	352	3	96	253	3	135
Holton Twp.	74	0	15	59	0	22
Laketon Twp.	123	1	29	93	1	39

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1994 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Montague Twp.	103	1	17	85	2	25
Moorland Twp.	77	0	23	54	0	33
Muskegon Twp.	689	1	199	489	2	297
Ravenna Twp.	83	0	17	66	0	23
Sullivan Twp.	81	1	15	65	1	22
Whitehall Twp.	113	0	22	91	0	31
White River Twp.	29	0	2	27	0	3
Casnovia	6	0	2	4	0	2
Lakewood Club	9	0	3	6	0	5
Fruitport	50	0	9	41	0	13
Montague	57	0	11	46	0	12
Ravenna	16	0	4	12	0	5
North Muskegon	98	0	30	68	0	40
Roosevelt Park	87	0	16	71	0	22
Whitehall	104	0	30	74	0	45
Muskegon Heights	566	2	147	417	3	206
Norton Shores	695	1	174	520	1	246
Muskegon	1888	2	463	1423	2	632
Unknown Community	8	0	3	5	0	6
Newaygo County						
Ashland Twp.	134	1	25	108	1	46
Barton Twp.	36	0	8	28	0	9
Beaver Twp.	27	1	5	21	2	8
Big Prairie Twp.	78	1	21	56	1	28
Bridgeton Twp.	71	0	12	59	0	16
Brooks Twp.	120	0	21	99	0	29
Croton Twp.	117	1	28	88	3	36
Dayton Twp.	105	4	22	79	4	32
Denver Twp.	47	0	11	36	0	16
Ensley Twp.	74	1	22	51	1	30
Everett Twp.	105	0	20	85	0	26
Garfield Twp.	87	1	23	63	1	36
Goodwell Twp.	52	0	6	46	0	10
Grant Twp.	95	0	22	73	0	32
Home Twp.	20	0	3	17	0	4
Lilley Twp.	44	0	11	33	0	20
Lincoln Twp.	35	0	10	25	0	13
Merrill Twp.	37	1	7	29	1	11
Monroe Twp.	21	0	2	19	0	2
Norwich Twp.	21	0	4	17	0	6
Sheridan Twp.	121	0	17	104	0	26
Sherman Twp.	106	1	20	85	1	28
Troy Twp.	17	0	3	14	0	4
Wilcox Twp.	65	0	12	53	0	20
Grant	35	0	8	27	0	9
Hesperia	12	0	2	10	0	2
Newaygo	22	0	4	18	0	7
White Cloud	45	0	13	32	0	20
Fremont	217	0	37	180	0	58
Unknown Community	4	0	2	2	0	2
Oakland County						
Addison Twp.	159	1	41	117	1	50
Bloomfield Twp.	1619	3	521	1095	3	741
Brandon Twp.	319	1	73	245	1	112
Commerce Twp.	741	0	225	516	0	344
Groveland Twp.	222	1	59	162	1	99
Highland Twp.	456	2	118	336	2	154
Holly Twp.	215	0	62	153	0	80
Independence Twp.	979	0	239	740	0	347
Lyon Twp.	538	0	139	399	0	195
Milford Twp.	294	0	62	232	0	94
Novi Twp.	4	0	0	4	0	0

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1994 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Oakland Twp.	286	3	45	238	3	64
Orion Twp.	727	1	177	549	2	241
Oxford Twp.	313	0	88	225	0	141
Pontiac Twp.	1	0	0	1	0	0
Rose Twp.	145	0	43	102	0	61
Royal Oak Twp.	174	0	48	126	0	75
Springfield Twp.	386	1	113	272	1	166
Waterford Twp.	3133	6	973	2154	6	1498
West Bloomfield Twp.	1587	2	398	1187	2	558
White Lake Twp.	630	4	151	475	4	234
Southfield Twp.	0	0	0	0	0	0
Bingham Farms	200	0	50	150	0	68
Lake Angelus	10	0	5	5	0	5
Leonard	0	0	0	0	0	0
Ortonville	26	0	7	19	0	7
Camp Dearborn	0	0	0	0	0	0
Stoney Creek Metropark	0	0	0	0	0	0
Clarkston	65	0	15	50	0	23
Orchard Lake	184	0	44	140	0	55
Sylvan Lake	75	0	18	57	0	23
Wixom	444	3	104	337	3	164
Bloomfield Hills	278	0	63	215	0	89
Franklin	63	0	13	50	0	16
Holly	127	0	46	81	0	66
Keego Harbor	178	0	49	129	0	62
Lake Orion	144	0	34	110	0	44
Lathrup Village	336	1	70	265	1	92
Milford	140	1	20	119	1	27
Oxford	126	1	31	94	1	52
Pleasant Ridge	226	0	66	160	0	87
South Lyon	105	0	26	79	0	32
Walled Lake	199	0	42	157	0	56
Wolverine Lake	46	0	15	31	0	24
Huntington Woods	215	0	49	166	0	67
Northville	71	0	19	52	0	27
Novi	1709	4	465	1240	4	674
Rochester	361	1	56	304	1	67
Berkley	443	0	119	324	0	162
Beverly Hills	253	0	58	195	0	85
Clawson	397	1	98	298	1	127
Farmington	420	0	100	320	0	144
Hazel Park	937	1	288	648	2	389
Kensington Metropark	2	0	0	2	0	0
Oakland University	23	0	5	18	0	6
Birmingham	1122	0	218	904	0	275
Ferndale	636	0	176	460	0	275
Madison Heights	1725	1	483	1241	1	685
Oak Park	1093	2	233	858	2	330
Troy	3879	9	1126	2744	9	1543
Farmington Hills	2830	4	851	1975	4	1196
Pontiac	2962	7	1083	1872	7	1543
Royal Oak	2135	3	629	1503	3	863
Southfield	4326	9	1238	3079	9	1733
Rochester Hills	2378	2	583	1793	2	845
Auburn Hills	1303	2	298	1003	2	429
Unknown Community	20	0	0	20	0	0
Oceana County						
Benona Twp.	43	0	11	32	0	18
Clay Banks Twp.	22	0	4	18	0	5
Colfax Twp.	33	0	8	25	0	8
Crystal Twp.	27	0	6	21	0	8
Elbridge Twp.	51	0	7	44	0	8
Ferry Twp.	53	1	9	43	1	17

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1994 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Golden Twp.	41	1	9	31	1	13
Grant Twp.	106	1	28	77	1	38
Greenwood Twp.	52	0	15	37	0	19
Hart Twp.	116	1	23	92	1	44
Leavitt Twp.	39	1	7	31	1	18
New Field Twp.	64	0	13	51	0	14
Otto Twp.	27	0	12	15	0	16
Pentwater Twp.	33	0	8	25	0	13
Shelby Twp.	82	0	22	60	0	44
Weare Twp.	92	0	16	76	0	21
Hesperia	14	0	3	11	0	7
New Era	4	0	0	4	0	0
Pentwater	43	0	3	40	0	4
Rothbury	11	0	2	9	0	2
Walkerville	5	0	3	2	0	7
Hart	56	1	11	44	1	17
Shelby	32	0	3	29	0	3
Unknown Community	5	0	1	4	0	2
Ogemaw County						
Churchill Twp.	75	0	11	64	0	17
Cummings Twp.	67	0	8	59	0	10
Edwards Twp.	56	1	10	45	1	16
Foster Twp.	33	0	10	23	0	16
Goodar Twp.	21	0	6	15	0	7
Hill Twp.	71	0	13	58	0	18
Horton Twp.	131	0	28	103	0	48
Klacking Twp.	41	0	7	34	0	12
Logan Twp.	37	1	4	32	1	7
Mills Twp.	136	1	41	94	1	59
Ogemaw Twp.	114	0	15	99	0	17
Richland Twp.	51	1	7	43	1	13
Rose Twp.	74	0	7	67	0	12
West Branch Twp.	215	0	38	177	0	58
Prescott	1	0	0	1	0	0
Rose City	28	0	4	24	0	4
West Branch	97	0	15	82	0	19
Unknown Community	1	0	0	1	0	0
Ontonagon County						
Bergland Twp.	43	0	5	38	0	6
Bohemia Twp.	19	0	3	16	0	3
Carp Lake Twp.	60	1	13	46	2	19
Greenland Twp.	48	0	6	42	0	7
Haight Twp.	55	0	5	50	0	6
Interior Twp.	46	0	3	43	0	4
Matchwood Twp.	29	0	3	26	0	3
McMillan Twp.	51	0	3	48	0	6
Ontonagon Twp.	101	0	19	82	0	27
Rockland Twp.	32	0	1	31	0	1
Stannard Twp.	137	0	9	128	0	11
Ontonagon	43	0	4	39	0	8
Unknown Community	10	0	2	8	0	3
Osceola County						
Burdell Twp.	104	0	17	87	0	26
Cedar Twp.	15	0	0	15	0	0
Evart Twp.	76	0	16	60	0	26
Harwick Twp.	42	0	7	35	0	9
Hersey Twp.	102	0	14	88	0	19
Highland Twp.	88	0	11	77	0	19
Leroy Twp.	77	1	15	61	1	24
Lincoln Twp.	84	0	18	66	0	23
Marion Twp.	49	1	8	40	1	15
Middle Branch Twp.	77	1	17	59	2	36

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1994 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Orient Twp.	66	0	6	60	0	11
Osceola Twp.	80	1	10	69	1	20
Richmond Twp.	177	1	37	139	1	57
Rose Lake Twp.	41	0	5	36	0	5
Sherman Twp.	60	0	12	48	0	21
Sylvan Twp.	41	0	3	38	0	6
Hersey	3	0	2	1	0	2
Leroy	3	0	0	3	0	0
Marion	27	0	4	23	0	5
Tustin	3	0	1	2	0	2
Evart	86	0	27	59	0	37
Reed City	76	0	17	59	0	24
Unknown Community	3	0	0	3	0	0
Oscoda County						
Big Creek Twp.	124	1	24	99	1	35
Clinton Twp.	45	0	2	43	0	2
Comins Twp.	98	0	11	87	0	17
Elmer Twp.	52	0	10	42	0	11
Greenwood Twp.	78	1	9	68	2	12
Mentor Twp.	96	0	20	76	0	28
Unknown Community	1	0	0	1	0	0
Otsego County						
Bagley Twp.	148	2	34	112	2	62
Charlton Twp.	70	1	7	62	1	7
Chester Twp.	63	1	14	48	1	17
Corwith Twp.	81	1	17	63	1	27
Dover Twp.	29	0	0	29	0	0
Elmira Twp.	57	1	11	45	1	18
Hayes Twp.	66	0	18	48	0	23
Livingston Twp.	113	0	29	84	0	42
Otsego Lake Twp.	96	0	27	69	0	39
Vanderbilt	7	0	0	7	0	0
Gaylord	248	0	57	191	0	86
Unknown Community	3	0	2	1	0	2
Ottawa County						
Allendale Twp.	236	0	54	182	0	91
Blandon Twp.	138	1	26	111	1	50
Chester Twp.	48	1	10	37	1	18
Crockery Twp.	163	0	36	127	0	55
Georgetown Twp.	878	3	186	689	3	272
Grand Haven Twp.	296	1	82	213	1	115
Holland Twp.	1262	7	313	942	7	454
Jamestown Twp.	146	2	26	118	2	44
Olive Twp.	165	1	44	120	1	66
Park Twp.	225	2	50	173	2	81
Polkton Twp.	145	1	36	108	1	59
Port Sheldon Twp.	75	0	21	54	0	29
Robinson Twp.	124	2	32	90	2	40
Spring Lake Twp.	140	2	33	105	2	58
Tallmadge Twp.	227	1	57	169	1	85
Wright Twp.	152	1	31	120	1	40
Zeeland Twp.	229	2	76	151	2	113
Hope College	0	0	0	0	0	0
Coopersville	67	0	15	52	0	24
Ferrysburg	104	0	19	85	0	29
Fruitport	0	0	0	0	0	0
Hudsonville	170	0	25	145	0	30
Spring Lake	142	0	31	111	0	54
Zeeland	181	0	39	142	0	60
Grand Valley State College	36	0	5	31	0	9
Grand Haven	882	0	154	728	0	205
Holland	987	2	246	739	3	339

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1994 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Unknown Community	1	0	0	1	0	0
Presque Isle County						
Allis Twp.	45	0	7	38	0	13
Bearinger Twp.	32	0	3	29	0	4
Belknap Twp.	70	0	7	63	0	10
Bismark Twp.	31	0	3	28	0	4
Case Twp.	37	0	4	33	0	8
Krakow Twp.	44	0	3	41	0	5
Metz Twp.	27	0	3	24	0	3
Moltke Twp.	28	0	4	24	0	4
North Allis Twp.	23	0	4	19	0	6
Ocqueoc Twp.	31	1	4	26	1	9
Posen Twp.	54	0	1	53	0	1
Presque Isle Twp.	40	0	8	32	0	9
Pulaski Twp.	39	0	5	34	0	8
Rogers Twp.	53	0	7	46	0	8
Millersburg	5	0	0	5	0	0
Posen	11	0	4	7	0	5
Onaway	30	0	5	25	0	6
Rogers City	67	0	14	53	0	16
Unknown Community	1	0	0	1	0	0
Roscommon County						
Au Sable Twp.	30	1	2	27	1	8
Backus Twp.	36	0	5	31	0	6
Denton Twp.	235	2	50	183	3	69
Gerrish Twp.	125	0	29	96	0	40
Higgins Twp.	123	0	22	101	0	28
Lake Twp.	79	0	16	63	0	19
Lyon Twp.	79	3	13	63	3	22
Markey Twp.	63	1	8	54	2	12
Nester Twp.	18	0	3	15	0	7
Richfield Twp.	146	2	25	119	2	48
Roscommon Twp.	203	2	49	152	2	73
Roscommon	18	0	2	16	0	2
Unknown Community	7	0	1	6	0	1
Saginaw County						
Albee Twp.	84	1	19	64	1	37
Birch Run Twp.	259	3	71	185	3	119
Blumfield Twp.	77	0	26	51	0	35
Brady Twp.	61	0	10	51	0	13
Brant Twp.	69	0	13	56	0	17
Bridgeport Twp.	470	3	103	364	3	168
Buena Vista Twp.	450	0	126	324	0	173
Carrollton Twp.	175	0	32	143	0	48
Chapin Twp.	47	0	10	37	0	17
Chesaning Twp.	89	0	24	65	0	37
Frankenmuth Twp.	79	0	15	64	0	23
Fremont Twp.	58	0	11	47	0	23
James Twp.	72	0	14	58	0	26
Jonesfield Twp.	39	1	6	32	1	8
Kochville Twp.	314	1	82	231	1	129
Lakefield Twp.	37	0	3	34	0	4
Maple Grove Twp.	75	1	21	53	1	33
Marion Twp.	45	0	8	37	0	11
Richland Twp.	138	1	30	107	1	53
Saginaw Twp.	1420	1	302	1117	1	414
St. Charles Twp.	79	0	18	61	0	22
Spaulding Twp.	47	0	14	33	0	19
Swan Creek Twp.	100	0	15	85	0	19
Taymouth Twp.	122	1	32	89	1	46
Tittabawassee Twp.	209	3	48	158	3	75
Thomas Twp.	398	1	89	308	1	141

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1994 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Zilwaukee Twp.	30	0	8	22	0	10
Birch Run	158	0	32	126	0	47
Merrill	4	0	1	3	0	1
Oakley	9	0	2	7	0	2
Tri City Airport	0	0	0	0	0	0
St. Charles	73	0	14	59	0	20
Zilwaukee	25	0	3	22	0	5
Chesaning	87	1	21	65	1	35
Frankenmuth	88	0	19	69	0	32
Saginaw Valley State College	21	0	1	20	0	1
Saginaw	3360	4	873	2483	4	1241
Unknown Community	27	0	8	19	0	9
Sanilac County						
Argyle Twp.	48	0	7	41	0	11
Austin Twp.	61	0	2	59	0	3
Bridgehampton Twp.	54	0	9	45	0	12
Buel Twp.	34	0	4	30	0	5
Custer Twp.	58	0	15	43	0	17
Delaware Twp.	53	0	10	43	0	14
Elk Twp.	40	1	5	34	1	12
Elmer Twp.	56	0	11	45	0	16
Evergreen Twp.	70	1	12	57	1	22
Flynn Twp.	36	1	4	31	1	9
Forester Twp.	65	1	7	57	1	8
Fremont Twp.	41	0	14	27	0	20
Greenleaf Twp.	63	0	7	56	0	13
Lamotte Twp.	74	1	10	63	2	14
Lexington Twp.	114	2	18	94	3	30
Maple Valley Twp.	29	0	8	21	0	17
Marion Twp.	53	0	11	42	0	15
Marlette Twp.	71	0	17	54	0	22
Minden Twp.	34	0	7	27	0	10
Moore Twp.	59	0	10	49	0	16
Sanilac Twp.	89	1	13	75	1	23
Speaker Twp.	70	0	14	56	0	16
Washington Twp.	79	0	14	65	0	19
Watertown Twp.	69	0	12	57	0	17
Wheatland Twp.	52	0	10	42	0	12
Worth Twp.	125	1	29	95	1	44
Applegate	4	0	1	3	0	1
Carsonville	10	0	3	7	0	5
Deckerville	7	0	0	7	0	0
Forestville	3	0	0	3	0	0
Lexington	9	0	2	7	0	2
Melvin	1	0	0	1	0	0
Minden City	3	0	1	2	0	1
Peck	7	0	1	6	0	1
Port Sanilac	9	0	1	8	0	1
Brown City	30	0	6	24	0	6
Croswell	56	0	17	39	0	23
Marlette	63	0	10	53	0	13
Sandusky	78	0	11	67	0	14
Unknown Community	3	0	0	3	0	0
Schoolcraft County						
Doyle Twp.	47	2	3	42	2	5
Germfask Twp.	33	1	5	27	1	12
Hiawatha Twp.	71	0	10	61	0	13
Inwood Twp.	65	0	6	59	0	7
Manistique Twp.	47	0	13	34	0	17
Mueller Twp.	52	0	5	47	0	10
Seney Twp.	45	0	4	41	0	7
Thompson Twp.	58	0	10	48	0	11

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1994 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Manistique	108	0	19	89	0	24
Unknown Community	6	0	0	6	0	0
Shiawassee County						
Antrim Twp.	61	0	18	43	0	26
Bennington Twp.	150	1	29	120	1	47
Burns Twp.	88	0	19	69	0	26
Caledonia Twp.	203	5	61	137	5	108
Fairfield Twp.	17	0	12	5	0	17
Hazelton Twp.	43	0	16	27	0	22
Middlebury Twp.	53	0	13	40	0	19
New Haven Twp.	46	0	20	26	0	26
Owosso Twp.	152	2	43	107	2	71
Perry Twp.	172	2	38	132	2	57
Rush Twp.	49	0	15	34	0	30
Sciota Twp.	51	0	10	41	0	17
Shiawassee Twp.	163	1	42	120	1	64
Venice Twp.	75	1	29	45	1	35
Vernon Twp.	163	0	49	114	0	84
Woodhull Twp.	143	1	50	92	1	81
Bancroft	7	0	1	6	0	1
Byron	5	0	2	3	0	2
Morrice	7	0	1	6	0	1
New Lothrop	5	0	1	4	0	1
Vernon	13	0	6	7	0	9
Lennon	2	0	1	1	0	1
Laingsburg	6	0	2	4	0	4
Perry	48	0	6	42	0	10
Corunna	100	0	30	70	0	41
Durand	77	0	19	58	0	30
Owosso	454	1	136	317	1	180
Unknown Community	8	0	2	6	0	2
St. Clair County						
Berlin Twp.	56	0	20	36	0	31
Brockway Twp.	88	1	18	69	1	23
Burtchville Twp.	97	0	17	80	0	22
Casco Twp.	180	1	47	132	1	61
China Twp.	125	1	43	81	1	73
Clay Twp.	200	0	67	133	0	90
Clyde Twp.	175	2	36	137	2	62
Columbus Twp.	141	0	44	97	0	54
Cottreville Twp.	96	0	36	60	0	65
East China Twp.	53	0	13	40	0	16
Emmett Twp.	57	0	12	45	0	16
Fort Gratiot Twp.	353	1	112	240	1	176
Grant Twp.	45	0	15	30	0	22
Greenwood Twp.	48	0	10	38	0	18
Ira Twp.	179	0	57	122	0	95
Kenockee Twp.	63	0	18	45	0	27
Kimball Twp.	330	2	93	235	2	137
Lynn Twp.	65	0	3	62	0	5
Mussey Twp.	74	1	7	66	2	11
Port Huron Twp.	537	2	164	371	2	271
Riley Twp.	75	0	16	59	0	21
St. Clair Twp.	241	0	52	189	0	71
Wales Twp.	82	2	22	58	2	37
Emmett	8	0	2	6	0	3
Capac	30	0	5	25	0	7
Memphis	7	0	2	5	0	4
Yale	29	0	6	23	0	10
Algonac	31	0	11	20	0	14
Marine City	134	0	34	100	0	52
St. Clair	130	0	34	96	0	42

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1994 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Marysville	217	6	60	151	7	98
Port Huron	1421	4	342	1075	4	492
Unknown Community	6	0	1	5	0	1
St. Joseph County						
Burr Oak Twp.	64	0	10	54	0	16
Colon Twp.	84	1	15	68	1	24
Constantine Twp.	91	2	24	65	2	36
Fabius Twp.	209	2	55	152	2	103
Fawn River Twp.	63	0	20	43	0	37
Florence Twp.	70	1	17	52	2	23
Flowerfield Twp.	95	0	19	76	0	22
Leondias Twp.	41	1	6	34	1	14
Lockport Twp.	158	0	42	116	0	64
Mendon Twp.	86	0	18	68	0	27
Mottville Twp.	71	1	24	46	1	32
Nottawa Twp.	89	0	16	73	0	22
Park Twp.	140	1	31	108	1	49
Sherman Twp.	170	0	24	146	0	39
Sturgis Twp.	116	0	36	80	0	54
White Pigeon Twp.	107	1	22	84	2	33
Burr Oak	13	0	1	12	0	1
Mendon	12	0	3	9	0	4
Centreville	15	1	2	12	1	5
Colon	19	0	4	15	0	5
Constantine	53	0	15	38	0	20
White Pigeon	21	0	6	15	0	6
Sturgis	382	0	103	279	0	159
Three Rivers	257	0	50	207	0	64
Unknown Community	18	0	11	7	0	16
Tuscola County						
Akron Twp.	64	0	15	49	0	21
Almer Twp.	77	2	20	55	3	32
Arbela Twp.	74	0	24	50	0	38
Columbia Twp.	25	0	6	19	0	7
Dayton Twp.	78	1	16	61	3	24
Denmark Twp.	61	0	22	39	0	35
Elkland Twp.	82	0	11	71	0	13
Ellington Twp.	59	1	8	50	1	11
Elmwood Twp.	51	1	6	44	1	9
Fairgrove Twp.	46	0	17	29	0	21
Fremont Twp.	130	1	20	109	1	30
Gilford Twp.	15	0	5	10	0	9
Indian Fields Twp.	171	1	28	142	1	42
Juniata Twp.	90	0	12	78	0	17
Kingston Twp.	64	1	10	53	1	18
Koylton Twp.	64	0	9	55	0	10
Millington Twp.	101	0	26	75	0	40
Novesta Twp.	80	0	10	70	0	15
Tuscola Twp.	88	0	26	62	0	39
Vassar Twp.	115	2	25	88	2	37
Watertown Twp.	44	1	8	35	1	16
Wells Twp.	101	0	10	91	0	17
Wisner Twp.	35	1	10	24	1	16
Akron	4	0	2	2	0	2
Fairgrove	4	0	0	4	0	0
Gagetown	6	0	0	6	0	0
Kingston	8	0	1	7	0	9
Mayville	30	0	5	25	0	6
Unionville	8	0	2	6	0	3
Cass City	60	0	20	40	0	26
Millington	33	1	10	22	1	14
Reese	13	0	4	9	0	7

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1994 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Caro	216	1	48	167	1	74
Vassar	60	0	9	51	0	14
Unknown Community	5	0	1	4	0	1
Van Buren County						
Almena Twp.	142	0	29	113	0	40
Antwerp Twp.	224	0	66	158	0	92
Arlington Twp.	88	0	17	71	0	25
Bangor Twp.	94	1	28	65	1	40
Bloomingtondale Twp.	76	0	26	50	0	40
Columbia Twp.	85	1	28	56	1	38
Covert Twp.	141	0	34	107	0	55
Decatur Twp.	77	0	18	59	0	25
Geneva Twp.	113	1	35	77	1	54
Hamilton Twp.	63	0	13	50	0	22
Hartford Twp.	168	0	48	120	0	74
Keeler Twp.	60	0	19	41	0	31
Lawrence Twp.	167	2	49	116	2	73
Paw Paw Twp.	251	2	70	179	2	116
Pine Grove Twp.	102	1	23	78	1	32
Porter Twp.	73	1	14	58	1	20
South Haven Twp.	286	4	83	199	4	121
Waverly Twp.	129	1	22	106	2	37
Bloomingtondale	6	0	0	6	0	0
Breedsville	3	0	1	2	0	1
Gobles	13	0	3	10	0	3
Lawrence	29	0	8	21	0	14
Bangor	40	0	10	30	0	15
Decatur	50	0	8	42	0	13
Lawton	30	0	5	25	0	5
Mattawan	58	0	12	46	0	15
Hartford	36	0	8	28	0	9
Paw Paw	144	0	33	111	0	41
South Haven	198	0	50	148	0	66
Unknown Community	8	0	2	6	0	2
Washtenaw County						
Ann Arbor Twp.	533	4	151	378	4	215
Augusta Twp.	127	1	50	76	1	71
Bridgewater Twp.	97	3	25	69	3	34
Dexter Twp.	181	0	44	137	0	58
Freedom Twp.	63	2	10	51	2	13
Lima Twp.	153	0	30	123	0	45
Lodi Twp.	136	1	44	91	1	70
Lyndon Twp.	107	0	19	88	0	23
Manchester Twp.	86	0	12	74	0	18
Northfield Twp.	363	0	72	291	0	88
Pittsfield Twp.	1151	4	306	841	4	425
Salem Twp.	156	4	43	109	4	83
Saline Twp.	80	0	16	64	0	26
Scio Twp.	544	3	137	404	4	213
Sharon Twp.	83	0	19	64	0	23
Superior Twp.	362	3	104	255	3	147
Sylvan Twp.	226	2	53	171	3	85
Webster Twp.	139	1	32	106	1	50
York Twp.	198	1	46	151	1	78
Ypsilanti Twp.	1583	8	458	1117	8	660
Barton Hills	3	0	0	3	0	0
Dexter	50	0	10	40	0	13
Hudson Mills Metropark	0	0	0	0	0	0
Manchester	53	0	10	43	0	13
Chelsea	176	0	30	146	0	40
Milan	89	0	13	76	0	19
Saline	189	0	29	160	0	35

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1994 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Eastern Michigan University	11	0	4	7	0	5
Ypsilanti	1047	0	214	833	0	312
Ann Arbor	3989	3	923	3063	3	1197
Unknown Community	25	0	4	21	0	4
Wayne County						
Brownstown Twp.	678	1	223	454	1	366
Canton Twp.	1615	9	430	1176	11	631
Grosse Ile Twp.	128	0	32	96	0	42
Grosse Pointe Twp.	0	0	0	0	0	0
Huron Twp.	331	1	84	246	1	114
Northville Twp.	402	0	117	285	0	185
Plymouth Twp.	926	4	228	694	4	317
Redford Twp.	1980	9	426	1545	10	576
Sumpter Twp.	134	1	39	94	1	50
Van Buren Twp.	799	6	247	546	6	359
Belleville	77	0	15	62	0	21
Gibraltar	50	0	13	37	0	23
Grosse Pointe Shores	39	0	10	29	0	16
Rockwood	72	0	17	55	0	24
Wood Haven	423	0	94	329	0	146
Flat Rock	177	1	39	137	1	59
Grosse Pointe	129	0	29	100	0	30
Lower Huron Metropark	3	0	1	2	0	1
Northville	112	0	26	86	0	33
Ecorse	249	0	77	172	0	104
Grosse Pointe Farms	204	0	50	154	0	63
Grosse Pointe Park	217	0	41	176	0	59
Grosse Pointe Woods	278	0	65	213	0	82
Harper Woods	550	0	148	402	0	202
Melvindale	379	0	89	290	0	137
Plymouth	289	0	62	227	0	90
River Rouge	159	0	37	122	0	48
Riverview	296	0	73	223	0	94
Romulus	1398	7	428	963	7	633
Trenton	462	1	136	325	1	198
Wayne	713	1	192	520	1	272
Allen Park	1180	2	319	859	2	427
Garden City	986	2	345	639	2	510
Hamtramck	686	1	142	543	1	189
Highland Park	1078	3	344	731	3	505
Inkster	806	2	200	604	2	302
Southgate	1322	1	363	958	1	526
Wyandotte	877	1	171	705	2	238
Detroit Metropolitan Airport	315	0	50	265	0	72
Dearborn Heights	1934	4	503	1427	4	765
Lincoln Park	1495	3	381	1111	3	540
Taylor	2706	14	986	1706	15	1536
Westland	2271	6	795	1470	7	1176
Dearborn	5235	3	1389	3843	4	1892
Livonia	4493	8	1297	3188	10	1893
Detroit	49898	113	13927	35858	124	20568
Unknown Community	29	0	7	22	0	8
Wexford County						
Antioch Twp.	56	0	7	49	0	10
Boon Twp.	20	0	4	16	0	4
Cedar Creek Twp.	69	2	7	60	2	12
Cherry Grove Twp.	74	0	21	53	0	30
Clam Lake Twp.	165	2	35	128	2	59
Colfax Twp.	27	0	7	20	0	10
Greenwood Twp.	23	0	6	17	0	6
Haring Twp.	216	0	62	154	0	96
Hanover Twp.	28	2	7	19	3	18

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1994 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Henderson Twp.	26	1	7	18	1	10
Liberty Twp.	47	0	5	42	0	6
Selma Twp.	126	0	34	92	0	46
Slagle Twp.	30	0	4	26	0	5
South Branch Twp.	41	0	5	36	0	7
Springville Twp.	60	1	11	48	2	17
Wexford Twp.	37	0	5	32	0	6
Buckley	17	0	4	13	0	6
Harrietta	3	0	2	1	0	2
Mesick	26	0	8	18	0	8
Manton	38	0	6	32	0	8
Cadillac	595	0	103	492	0	128
Unknown Community	5	0	2	3	0	2
Unknown County						
Unknown Community	253	0	47	206	0	73

REGISTRATION TRANSACTIONS
(Includes Original, Renewal, Correction, and Replacements)
Registration data courtesy of the Michigan Department of State [15]

COUNTY	VEHICLE						OTHER		
	Passenger	Commercial	Trailer	Motorcycle	Total Plates	Total Revenue	Watercraft	Snowmobile	Moped
Alcona	6,686	3,256	2,191	126	12,259	575,500.96	2,308	630	58
Alger	4,798	2,763	1,417	162	9,140	406,712.95	1,567	1,279	18
Allegan	54,666	22,676	13,035	1,568	91,945	4,829,323.20	9,710	2,280	311
Alpen	18,217	8,945	5,452	412	33,026	1,687,739.57	4,296	1,684	47
Antrim	12,553	5,158	3,650	313	21,674	1,043,082.13	4,626	1,419	73
Arenac	9,333	4,499	2,812	210	16,854	851,362.26	3,404	990	40
Baraga	3,898	2,324	1,115	113	7,450	379,639.51	924	613	11
Barry	29,039	12,672	7,840	986	50,537	2,346,414.75	7,864	1,297	150
Bay	69,334	22,100	16,472	1,622	109,528	5,671,637.24	9,768	4,166	387
Benzie	8,619	3,690	2,497	233	15,039	673,500.64	3,324	869	47
Berrien	100,034	30,920	16,564	2,600	150,118	7,598,892.81	12,781	2,387	645
Branch	23,221	10,542	6,099	681	40,543	2,067,098.46	5,755	660	157
Calhoun	84,180	25,059	14,021	2,004	125,264	6,280,094.94	9,997	1,335	528
Cass	26,879	11,426	6,398	812	45,515	2,186,555.36	7,829	1,539	160
Charlevoix	14,876	6,205	3,933	503	25,517	1,273,339.19	4,104	1,875	74
Cheboygan	13,867	6,691	4,039	385	24,982	1,228,470.40	4,690	2,515	86
Chippewa	16,847	8,466	4,989	480	30,782	1,540,238.89	4,434	3,601	124
Clare	16,500	7,753	4,739	378	29,370	1,368,449.51	3,964	1,179	70
Clinton	34,838	13,411	8,854	886	57,989	2,971,872.25	5,668	1,901	271
Crawford	6,931	3,315	2,211	162	12,619	609,014.28	2,483	1,062	21
Delta	22,713	11,239	7,081	639	41,672	2,063,114.16	4,480	2,485	185
Dickinson	15,674	7,764	4,822	565	28,825	1,496,223.73	3,287	1,848	186
Eaton	58,284	19,476	12,023	1,465	91,248	5,943,284.04	7,818	1,634	294
Emmet	18,293	7,101	4,346	457	30,197	1,538,842.50	4,530	2,059	168
Genesee	268,715	72,068	41,038	5,763	387,584	20,364,480.15	30,261	8,582	871
Gladwin	14,231	6,722	4,333	438	25,724	1,210,895.01	4,200	1,235	80
Gogebic	9,196	4,546	2,202	252	16,196	745,616.46	2,427	1,298	59
Grand Traverse	47,392	15,650	11,608	1,123	75,773	3,987,006.02	11,470	3,384	188

REGISTRATION TRANSACTIONS (continued)

VEHICLE										OTHER		
COUNTY	Passenger	Commercial	Trailer	Motorcycle	Total Plates	Total Revenue	Watercraft	Snowmobile	Moped			
Gratiot	22,329	9,678	6,210	602	38,819	1,995,220.82	3,211	1,138	147			
Hillsdale	24,312	11,414	6,013	716	42,455	2,107,483.95	4,383	705	176			
Houghton	17,682	6,827	3,160	475	28,144	1,361,223.10	3,124	2,076	87			
Huron	22,376	10,493	5,899	503	39,271	2,110,166.76	3,151	2,061	196			
Ingham	177,063	39,403	21,224	3,483	241,173	12,935,024.99	15,688	2,812	912			
Ionia	30,379	12,625	7,194	816	51,014	2,462,315.59	4,703	998	230			
Iosco	16,391	7,105	5,010	378	28,884	1,407,705.08	4,890	1,171	84			
Iron	7,219	4,037	2,279	209	13,744	662,077.00	2,426	959	42			
Isabella	26,242	10,728	6,334	676	43,980	2,466,486.66	3,999	1,160	109			
Jackson	89,100	29,783	17,180	2,548	138,611	7,077,510.92	14,524	2,546	477			
Kalamazoo	142,737	35,167	20,845	3,240	201,989	10,800,292.42	17,679	2,431	632			
Kalkaska	8,288	5,163	3,163	242	16,856	1,256,270.65	2,294	1,286	18			
Kent	333,169	89,274	58,516	6,960	487,919	29,742,849.13	40,627	7,475	1,573			
Keweenaw	898	410	199	11	1,518	68,528.70	321	122	7			
Lake	5,135	2,631	1,518	142	9,426	427,268.69	1,991	606	19			
Lapeer	47,050	20,534	10,704	1,502	79,790	4,027,249.58	6,049	2,450	166			
Leelanau	11,275	4,345	3,205	262	19,087	924,032.29	4,442	1,163	76			
Lenawee	55,295	21,134	11,278	1,672	89,379	4,472,580.91	8,034	2,455	479			
Livingston	84,993	28,440	17,161	2,435	133,029	7,645,009.34	14,220	3,717	254			
Luce	3,027	1,947	1,349	46	6,369	345,860.50	1,270	810	20			
Mackinac	5,999	3,310	1,896	156	11,361	557,347.73	2,768	1,919	29			
Macomb	502,850	101,726	53,280	9,210	667,066	37,938,758.50	44,596	11,441	1,849			
Manistee	14,075	6,311	3,917	363	24,666	1,193,255.37	3,339	976	107			
Marquette	37,705	15,928	8,313	1,258	63,204	3,042,626.76	6,942	4,116	173			
Mason	15,598	6,736	4,268	423	27,025	1,366,717.05	3,843	846	125			
Mecosta	18,840	8,102	4,834	418	32,194	1,575,831.43	4,320	910	69			
Menominee	13,044	6,083	4,048	390	23,565	1,161,824.73	2,451	1,409	281			
Midland	52,424	14,890	11,613	1,354	80,281	3,899,989.89	8,559	1,745	223			
Missaukee	6,738	4,089	2,415	190	13,432	661,066.73	2,001	926	44			

REGISTRATION TRANSACTIONS (continued)

VEHICLE										OTHER		
COUNTY	Passenger	Commercial	Trailer	Motorcycle	Total Plates	Total Revenue	Watercraft	Snowmobile	Moped			
Monroe	83,415	29,780	14,989	2,406	130,590	6,739,031.54	9,652	3,273	507			
Montcalm	30,645	14,109	8,398	775	53,927	2,638,032.44	6,163	1,329	285			
Montmorency	5,502	3,040	1,930	121	10,593	498,581.07	2,038	1,143	15			
Muskegon	98,677	29,239	19,452	2,825	150,193	7,109,501.06	13,629	2,751	642			
Newaygo	23,364	10,984	6,957	666	41,971	1,940,700.57	5,947	1,467	168			
Oakland	776,948	141,517	79,358	14,400	1,012,223	63,383,172.05	73,677	16,852	2,175			
Oceana	13,515	6,632	3,231	359	23,737	1,161,611.59	2,503	893	125			
Ogemaw	11,686	6,048	3,828	276	21,838	1,108,024.36	3,025	1,223	52			
Ontonagon	4,670	2,641	1,486	120	8,917	407,504.68	1,115	1,167	10			
Osceola	11,893	6,378	3,397	310	21,978	1,144,716.92	2,262	904	45			
Oscoda	4,933	2,802	1,588	127	9,450	454,528.44	1,720	657	18			
Otsego	12,092	5,895	3,554	311	21,852	1,238,786.62	2,724	1,920	47			
Ottawa	123,816	35,653	28,799	2,817	191,085	10,391,047.18	19,945	4,181	1,087			
Presque Isle	8,402	4,664	2,790	184	16,040	781,244.67	2,708	1,261	47			
Roscommon	14,866	6,118	4,473	305	25,762	1,241,038.38	5,866	2,769	140			
Saginaw	132,117	35,603	24,581	2,226	194,527	10,414,876.86	15,752	5,346	425			
St. Clair	96,537	32,376	16,619	2,512	148,044	7,643,119.18	13,102	3,343	443			
St. Joseph	34,638	13,888	8,230	1,259	58,015	2,776,723.93	7,894	797	267			
Sanilac	24,484	11,450	5,519	725	42,178	2,199,315.98	2,067	1,177	73			
Schoolcraft	4,526	2,671	1,727	111	9,035	454,051.06	1,790	1,047	26			
Shiawassee	42,375	16,983	9,941	1,252	70,551	3,495,708.25	5,574	2,187	257			
Tuscola	32,920	15,259	9,182	865	58,226	2,782,025.77	4,401	2,570	183			
Van Buren	39,921	16,118	8,258	1,160	65,457	3,139,025.72	7,558	1,626	259			
Washtenaw	175,732	38,241	18,000	3,839	235,812	12,616,331.10	14,174	3,125	581			
Wayne	1,237,644	209,657	92,377	18,155	1,557,833	91,640,592.85	68,231	12,510	3,197			
Wexford	17,138	7,105	4,693	458	29,394	1,471,177.79	4,096	1,721	94			
Non-Resident	57,462	17,382	11,789	314	86,947	24,548,773.45	34,542	3,723	97			
Unknown County	0	0	0	0	0	0	645	76	0			
Totals	5,921,965	1,596,983	913,952	124,896	8,557,796		746,614	199,273	25,178			

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MICHIGAN VEHICLE CODE

Public Act 300 of 1949

Edited by the Office of Highway Safety Planning for discussion purposes.
Editorial remarks by OHSP appear in italic print.

MCL 257.622, Amended 1967 - The driver of a motor vehicle involved in an accident that injures or kills any person, or that damages property to an apparent extent totaling \$400 or more, shall immediately report that accident at the nearest or most convenient police station, or to the nearest or most convenient police officer. The officer receiving the report, or his or her commanding officer, shall immediately forward each report to the director of State Police on forms prescribed by the director of State Police (*State of Michigan Traffic Crash Report, also known as the UD-10*). The forms shall be completed in full by the investigating officer. The director of State Police shall analyze each report relative to the cause of the reported accident and shall prepare information compiled from reports filed under this section for public use. A copy of the report . . . shall be retained for at least three years at the local police department, sheriff's department, or local state police post making the report. (*As the repository of UD-10s submitted by Michigan law enforcement agencies, the Department of State Police microfilms all UD-10s received at its Criminal Justice Data Center. The Data Center retains a microfilm copy of UD-10s for a period including the current year plus the three previous years. Microfilm copies and electronic databases containing information from individual UD-10s for crashes prior to this time period are purged.*)

MCL 257.624, Amended 1980 (1) - A report required by this chapter shall not be available for use in a court action, but a report shall be for the purpose of furnishing statistical information regarding the number and cause of accidents.

(2) The Office of Highway Safety Planning (OHSP) may authorize scientific studies and research for the reduction of death, injury, and property losses. All information, records of interviews, written reports, statements, notes, memoranda, or other data collected pursuant to the scientific studies and research conducted by the state, or by other persons, agencies, or organizations authorized by OHSP shall be used solely for the purpose of medical or scientific research and shall not disclose the name or identity of a person unless the person authorizes, in writing, the use of his or her name or identity. If a subject of the research study is deceased, the executor or heir of the deceased person may authorize, in writing, the disclosure of the deceased's name or identity. The furnishing of information to OHSP or to a representative of an authorized study or research project shall not nor subject a person, hospital, sanitarium, rest home, nursing home, or other person or agency furnishing the information to any action for damages or other relief. The information, records, reports, statements, notes, memoranda, or other data shall not be admissible as evidence in a court or before any other tribunal, board, agency, or person. A person participating in an authorized study or research project shall not disclose, directly or indirectly, the information so obtained except in strict conformity with the research project.

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