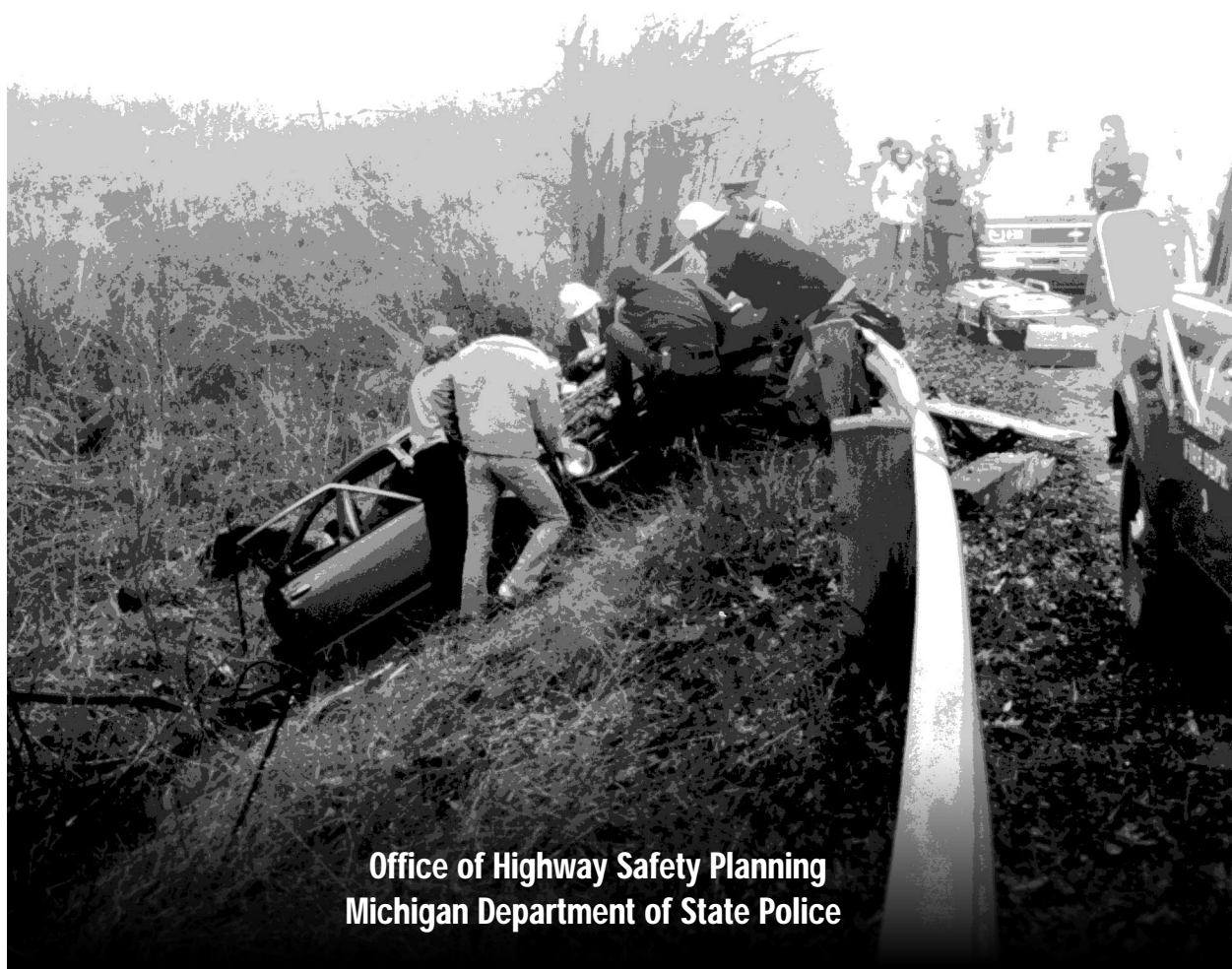


1996

Michigan Traffic Crash Facts



Office of Highway Safety Planning
Michigan Department of State Police

EXECUTIVE SUMMARY

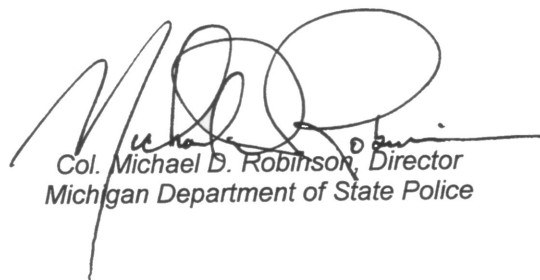
The 1996 traffic fatality count was 1,505, down 2.1 percent from the 1995 figure of 1,537. Compared with 1995, injuries were down 2.6 percent and total crashes were up 3.4 percent. These figures translated into a death rate of 1.7 per 100 million miles of travel, down 5.6 percent from the death rate of 1.8 reported in 1995. Nationally, fatalities were down 1.4 percent.

Exposure factors in 1996 showed increases in vehicle registrations, the number of licensed drivers, and travel mileage. They included motor vehicle registrations up 4.6 percent to 8.11 million, the number of drivers up 7.2 percent to 8.29 million, and vehicle travel mileage up 2.3 percent to 87.7 billion.

Consumption of alcohol continues to be a major factor in Michigan crashes, particularly the more serious crashes. In 1996, 5 percent of all crashes, including property damage only, were reported to involve drinking, and 23 percent resulted in injury or death. However, 46.3 percent of alcohol-related crashes involved injury or death, and 36.4 percent of fatal crashes involved drinking. Over 61.4 percent of alcohol-related fatal crashes involved only one vehicle, whereas only 30.8 percent of all crashes involved one vehicle.

Data on crashes in this book was obtained from 1996 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 Community Health.

The University of Michigan Transportation Research Institute produced this publication for the Office of Highway Safety Planning with data on file at the Michigan Department of State Police as of May 1, 1997. We acknowledge, with appreciation, all involved agencies for their assistance.



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



STATE OF MICHIGAN



JOHN ENGLER, Governor

DEPARTMENT OF STATE POLICE

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INTRODUCTION

We are pleased to present the *1996 Michigan Traffic Crash Facts*. Michigan experienced a decrease in the number of traffic deaths in 1996, and in the Death Rate (traffic deaths for every 100 million motor vehicle miles traveled). We are encouraged by these decreases, and, have dedicated ourselves to providing traffic safety programs that will foster safer travel on Michigan roads.

Your comments about this report are important to us. If you discover something that you think would be helpful to see next year, please let us know. We rely heavily on your input for improvements to this document!

This report will also be available after November 1997 on the Internet at www.ohsp.msp.state.mi.us.

A handwritten signature in cursive script that reads "Betty J. Mercer".

BETTY J. MERCER
Division Director
Office of Highway Safety Planning



A PROUD tradition of SERVICE through EXCELLENCE, INTEGRITY, and COURTESY.



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 in grams.
- **CJDC** **Criminal Justice Data Center**. A division of the Michigan Department of State Police.
- **CRD** **Child Restraint Device**. Also called child safety seats.
- **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")
- **MDCH** **Michigan Department of Community Health** (formerly Michigan Department of Public Health)
- **MDOS** **Michigan Department of State**
- **MDOT** **Michigan Department of Transportation** (pronounced "EM-dot")
- **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 bodily alcohol content of 0.10g or more.
- **OWI** **Operating While Impaired**. Less serious of the drinking and driving violations in Michigan. Refers to driving with bodily alcohol content levels of 0.08g or 0.09g.
- **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 and ORV/ATV 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**

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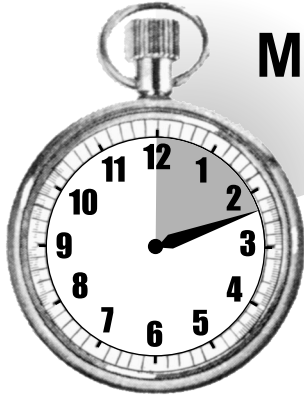
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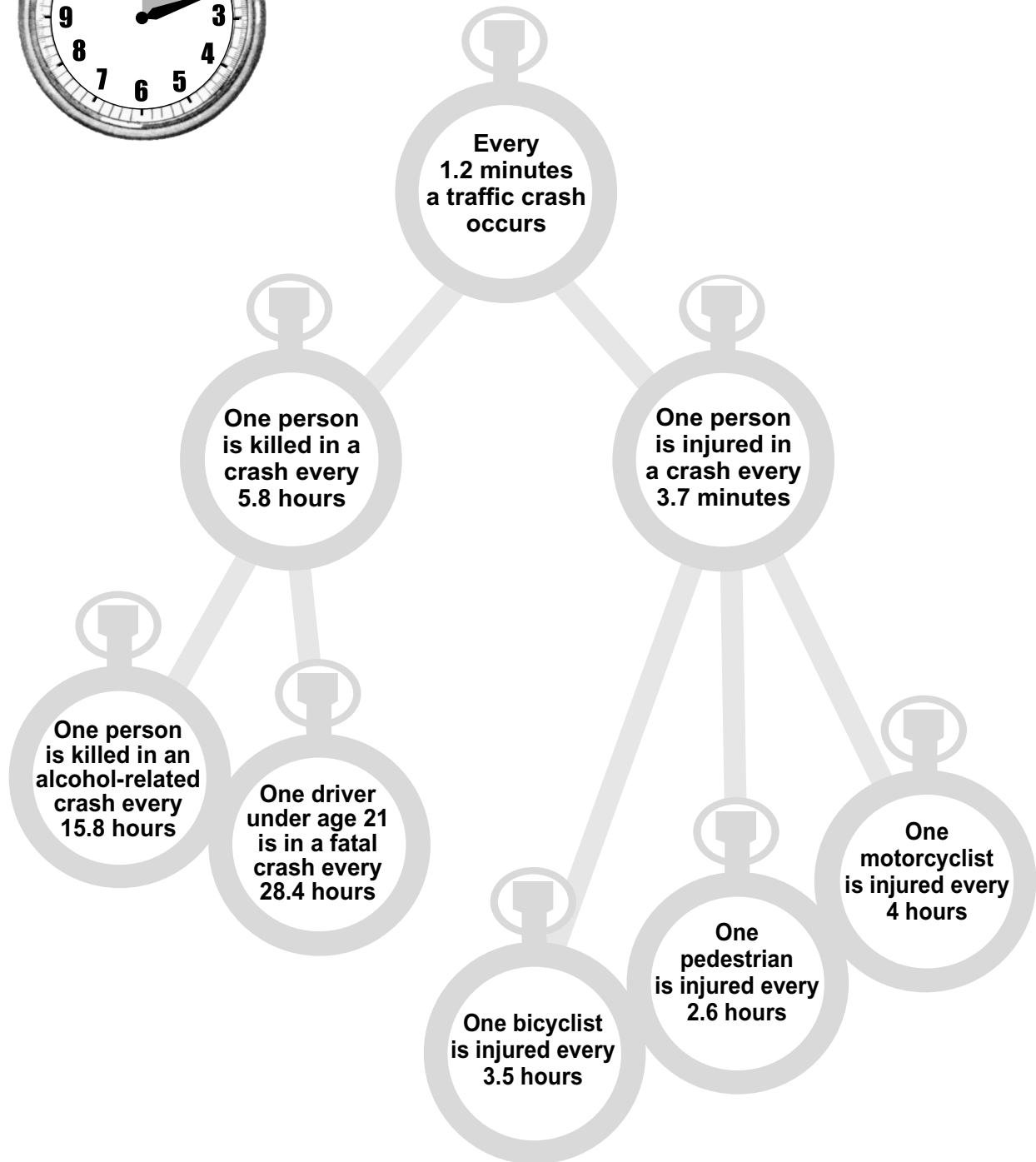
1996 QUICK FACTS

- Some exposure factor comparisons between 1996 and 1995 show motor vehicle registrations rose **4.6** percent, number of drivers increased **7.2** percent, and vehicle mileage increased **0.1** percent.
- The 1996 death rate fell to **1.7** deaths per 100 million miles of travel. This is a decrease of **5.6** percent from the 1995 death rate of **1.8**, and it is below the ten-year average of **1.8** (1987-1996).
- There were **1,505** persons killed and **142,553** persons injured in **435,477** reported motor vehicle traffic crashes in Michigan during 1996. Compared with 1995 experience, deaths decreased **2.1** percent, injuries decreased **2.6** percent, and total reported crashes showed a **3.4** percent increase.
- This year's death toll of **1,505** was down **2.1** percent from the 1995 figure of **1,537**.
- The **1,505** persons killed were the result of **1,339** fatal crashes for an average of **1.1** deaths per fatal crash.
- There were **435,477** reported crashes of which **1,339** were fatal, **98,643** were personal injury, and **335,495** were property damage only crashes.
- Of all fatal crashes, **30.2** percent occurred at intersections.
- Of all fatal crashes, **36.3** percent involved at least one drinking operator or pedestrian.
- Excessive speed was indicated as the hazardous action by **15.2** percent of the drivers involved in fatal crashes.
- In 1996 there were **133,997** single vehicle crashes, an increase of **7.5** percent over last year's count of **124,599**.
- Of the **435,477** total crashes, **133,997 (30.8%)** involved one vehicle.
- Of the **1,339** fatal crashes, **595 (44.4%)** involved one vehicle.
- Of the **487** alcohol-related fatal crashes, **299 (61.4%)** involved one vehicle. This is a **3.9** percent decrease from last year's figure of **311** single vehicle, alcohol-related fatal crashes.
- Of the **2,226** drivers involved in fatal crashes, **13.8** percent were under 21 years of age and **24** percent of all drivers involved in fatal crashes were under 25 years of age.
- In the last five years (1992-1996), **7,175** persons have been killed in Michigan traffic crashes. This is an average of **1,435** per year. During the previous five-year period (1991-1995), **7,095** persons were killed, for an average of **1,419** per year.
- Of the **9,594,350** persons living in Michigan [1] one out of every **6,375** was killed in a traffic crash; one out of every **67** persons was injured.
- For each person killed there were **94.7** persons injured.
- There were **142,553** persons injured, crippled, or maimed in crashes.

- According to figures provided by the Michigan Department of Community Health [2], accidental death for children in motor vehicle crashes routinely outpaces the next two most frequent causes: fire and drowning.
- According to the Michigan Department of Community Health, five out of six accidental deaths for teenagers and young adults (ages 15-24) are due to motor vehicle crashes.
- The pedestrian death toll for Michigan stands at **192** persons. This represents an increase of **2** deaths over the 1995 figure.
- For each pedestrian killed, there were **17.7** pedestrians injured.
- Of the pedestrians killed, **33.9** percent were killed while crossing streets other than at intersections.
- Of all pedestrians killed, **21.4** percent were under the age of 21 years and **25** percent were 55 and older.
- During the past five years, a total of **905** pedestrians have been killed, an average of **181** per year.
- Children under the age of **16** accounted for **37.5** percent of the bicycle deaths.
- Of the **788,209** drivers and injured passengers involved in crashes, **616,749** or **78.2** percent were *reported* to have been using occupant restraints. Restraint usage among fatal victims was reported to be **41** percent in 1996.
- Motor vehicle occupants age 55 to 64 had the highest restraint use (**92.9%**) of any other age group. Children age 11 to 15 had the lowest reported restraint usage (**66.6%**).
- The economic loss in Michigan traffic crashes amounted to **\$9,840,932,600**.



Michigan's Crash Watch 1996



Who Dies in Michigan Motor Vehicle Crashes?

A Daily Toll

- Four people dead - ***ONE FAMILY EVERYDAY!***
- One person dead in an alcohol-related crash everyday
- Daily economic costs to Michigan residents of:

27 MILLION DOLLARS

11.5 million - for fatalities

13.9 million - for injuries

1.6 million - for property damage

An Annual Toll

- Economic Cost of motor vehicle crashes to Michigan residents is 9.8 billion a year
- 4.2 billion in economic loss due to Michigan motor vehicle fatalities a year
- Alcohol related fatalities amounted to 555 people in 1996
- 1,505 people died in 1996
- ***ONE PERSON DIED EVERY 5 HOURS, 49 MINUTES!***

1996

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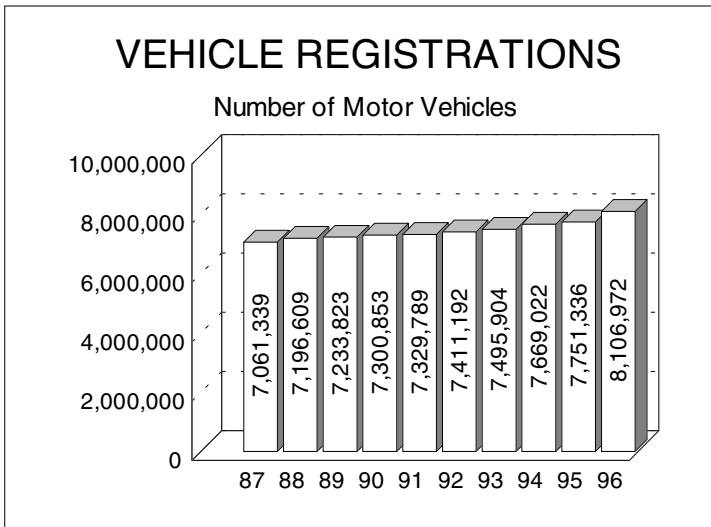
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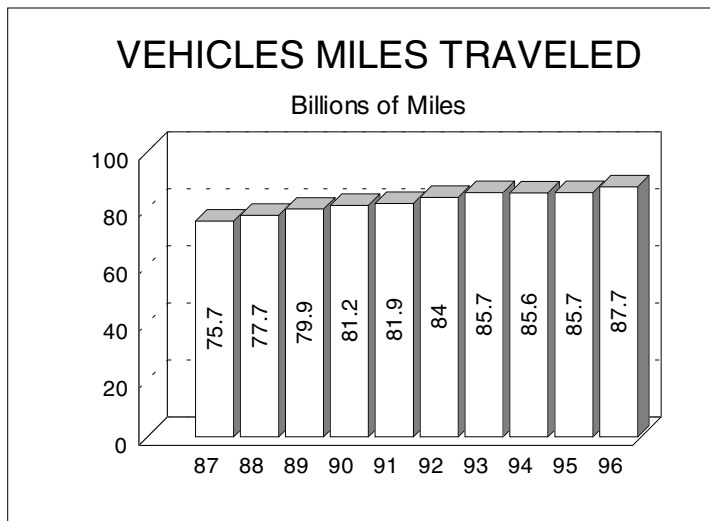
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**Historical
Information**

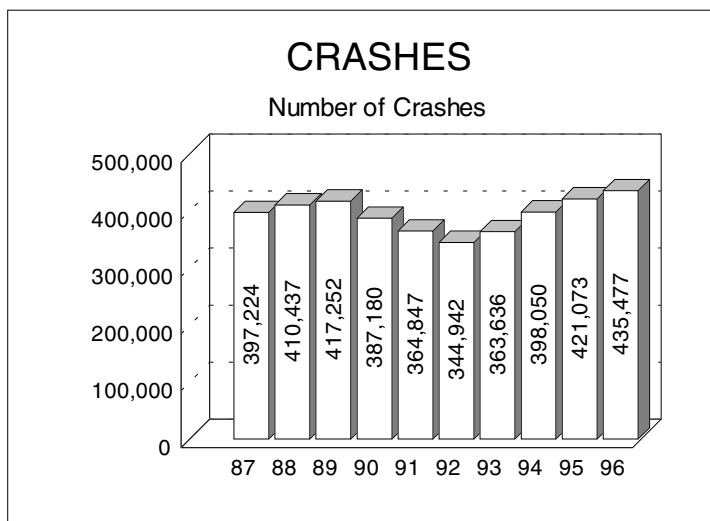
10 YEAR



Vehicle Registrations have been increasing steadily since 1987, reaching 8,106,972 in 1996.

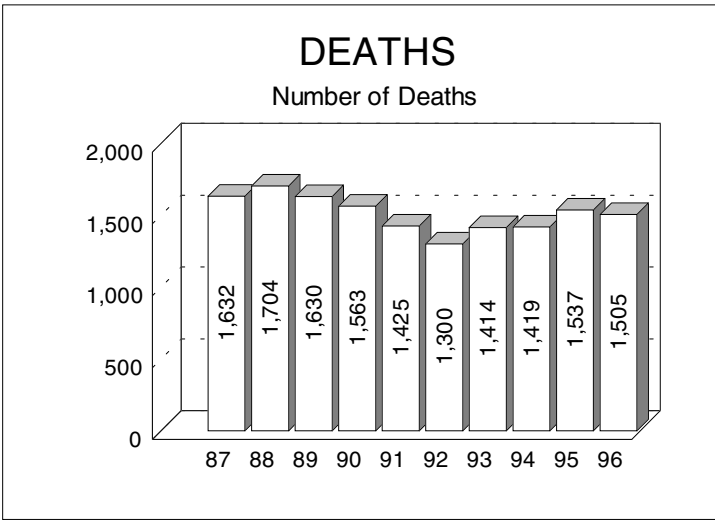


Vehicle miles of travel have increased 15.9 percent since 1987, reaching 87.7 billion miles in 1996.

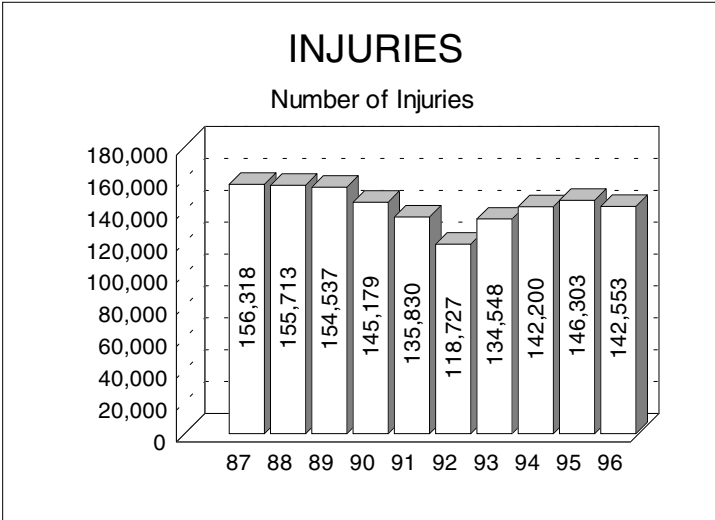


There were 435,477 total crashes statewide in 1996, a ten year high.

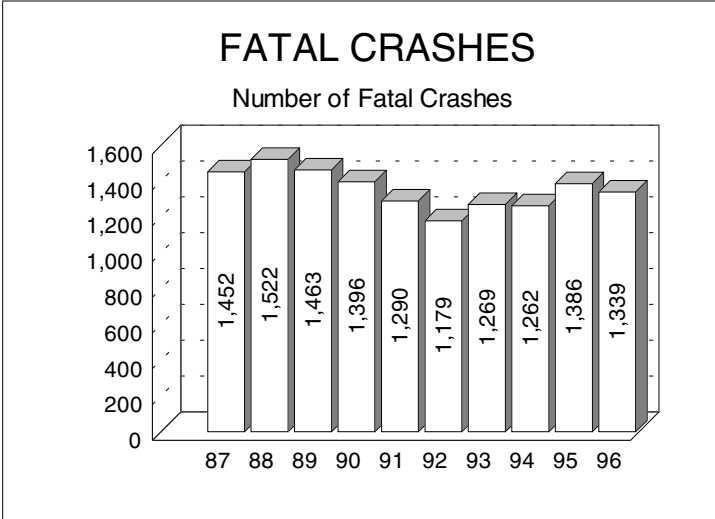
10 YEAR TRENDS (continued)



Number of deaths has remained below the high of 1,704 in 1988. In 1996, 1,505 people died in motor vehicle crashes, a decline of 2.1 percent from 1995.

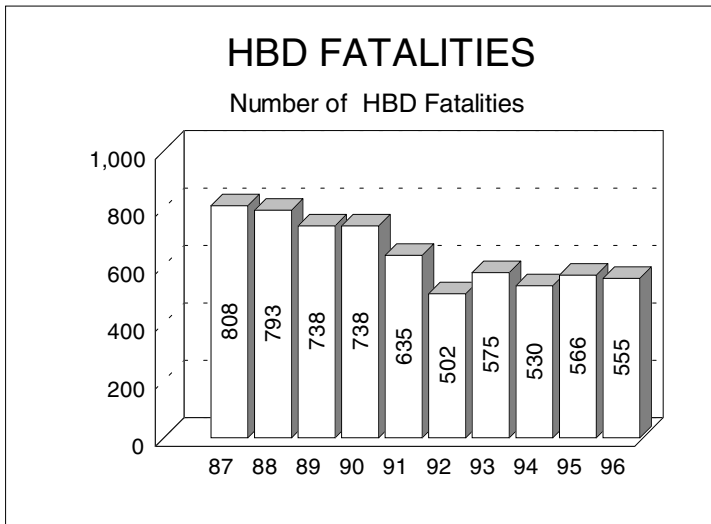


142,553 people received nonfatal injuries in Michigan motor vehicle crashes in 1996, down 8.8 percent from the high of 156,318 in 1987.

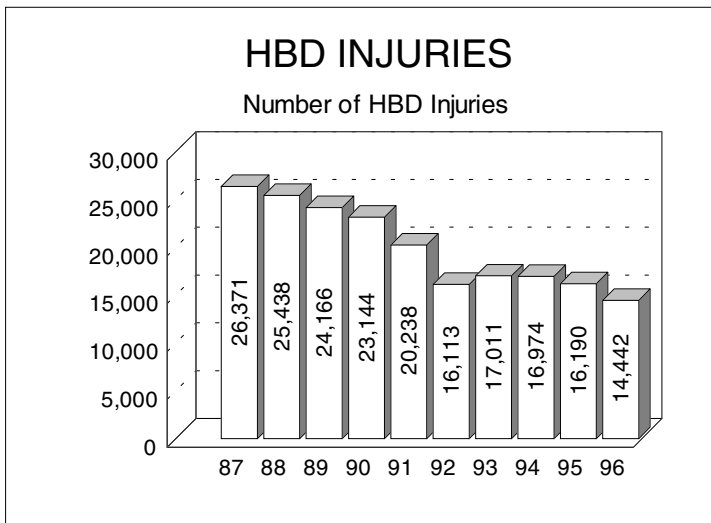


After reaching a peak in 1988, fatal crashes had declined until 1992. In 1996, there were 1,339 fatal crashes, down 3.4 percent from 1995.

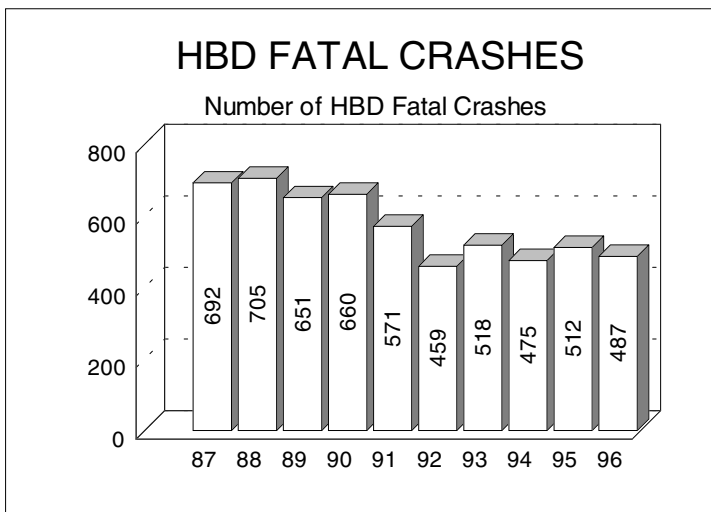
10 YEAR



Deaths in alcohol related crashes have decreased over the last ten years. There were 555 HBD fatalities in 1996, down 31.3 percent from 1987.

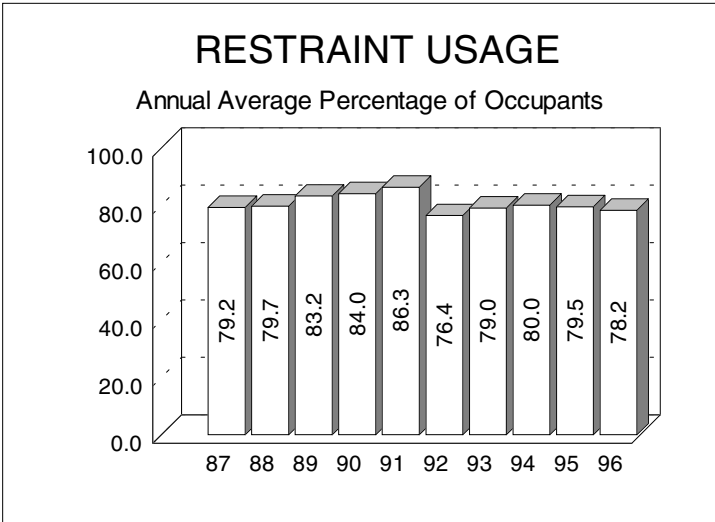


Mirroring the trend in deaths, HBD injuries have decreased over the last ten years. There were 14,442 injuries in 1996, down 45.2 percent from 1987.



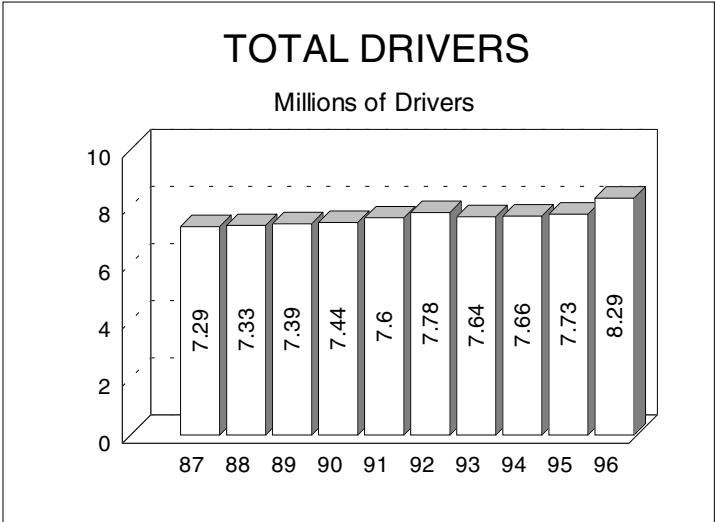
Alcohol involvement in fatal crashes has decreased 29.6 percent since 1987. In 1996, there were 487 HBD fatal crashes, down 4.9 percent from 1995.

10 YEAR TRENDS (continued)

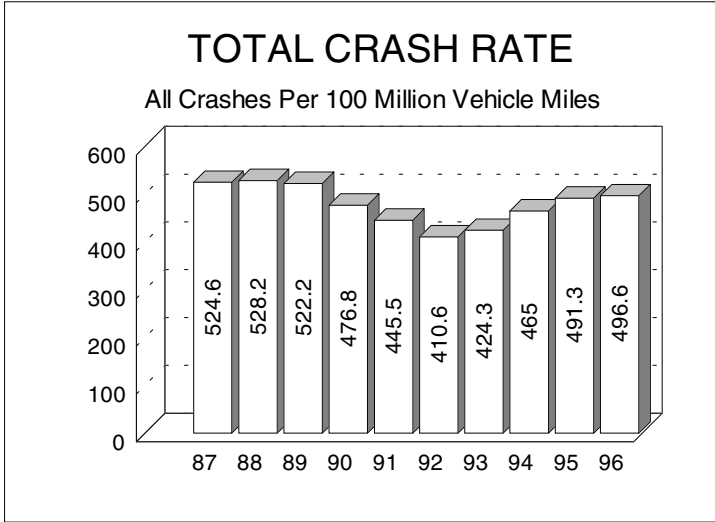


The percentage of motor vehicle occupants using restraints as reported by police in traffic crashes increased dramatically following implementation of Michigan's safety belt use law in July 1985. The ten-year average percentage is 80.6.

Note: Please see additional restraint usage information on page 98.

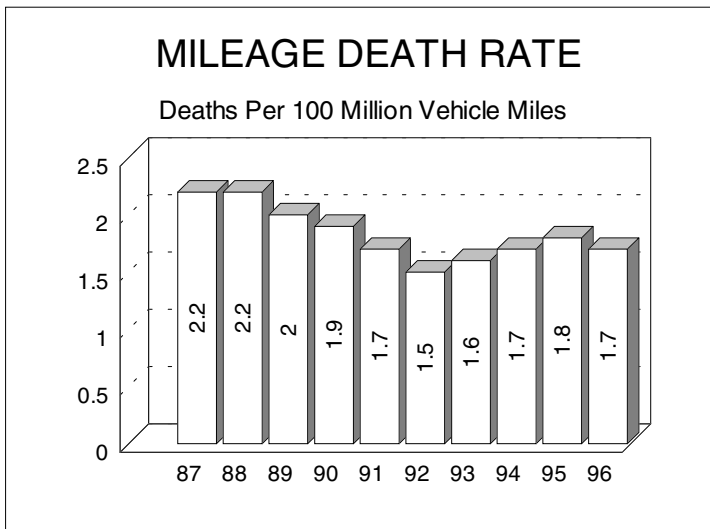


The number of drivers in Michigan increased 7.2 percent to 8,291,977 million in 1996.

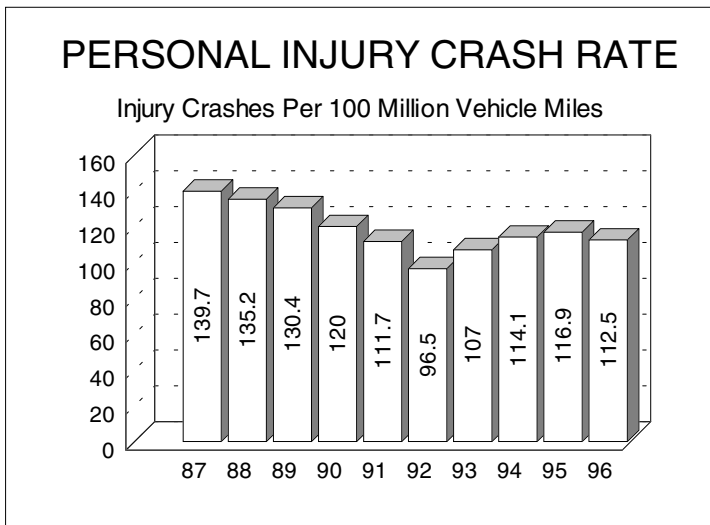


The 496.6 total crash rate in 1996 is a 1.1 percent increase from 1995.

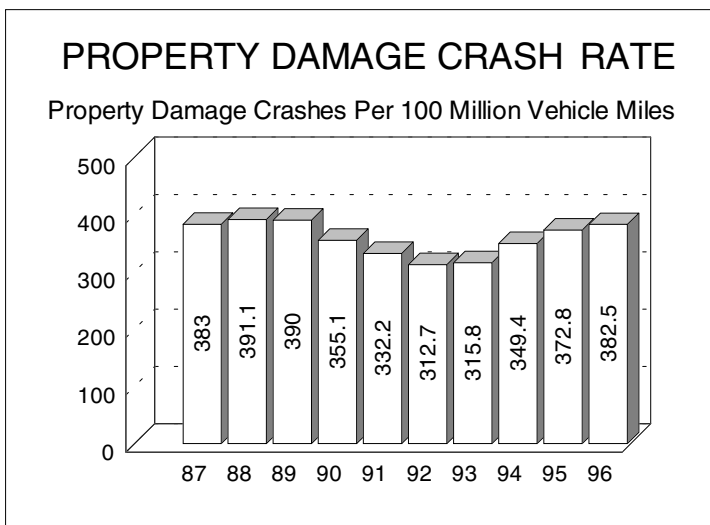
10 YEAR



The 1.7 death rate in 1996 is a 5.6 percent decrease from 1995.

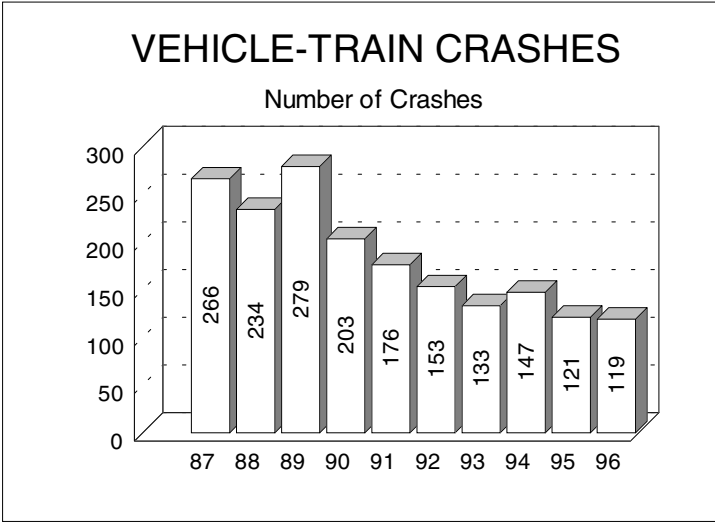


The 112.5 personal injury crash rate in 1996 is a 3.8 percent decrease from 1995.

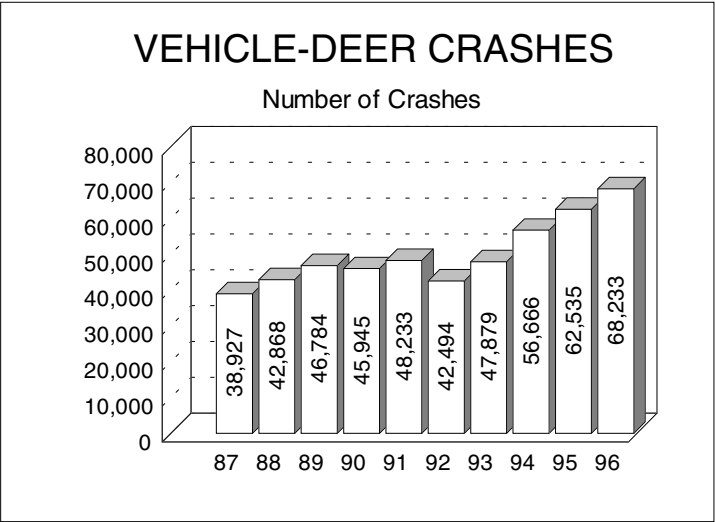


The 382.5 property damage crash rate in 1996 is a 2.6 percent increase from 1995.

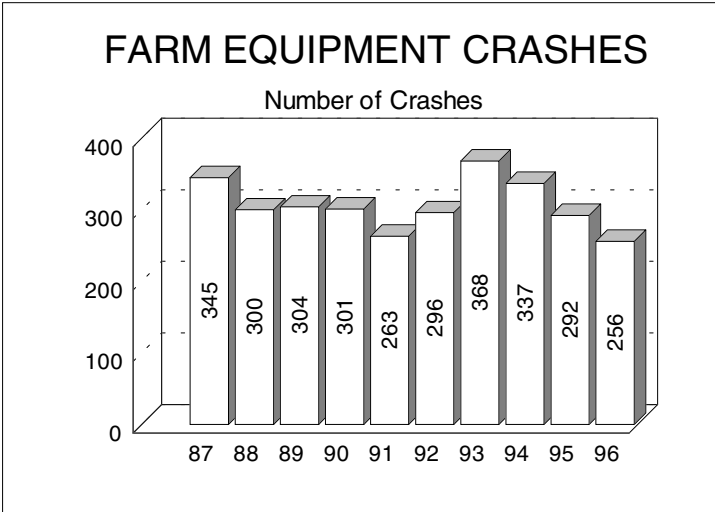
10 YEAR TRENDS (continued)



119 vehicle-train crashes occurred in 1996, a 1.7 percent decrease from 1995.

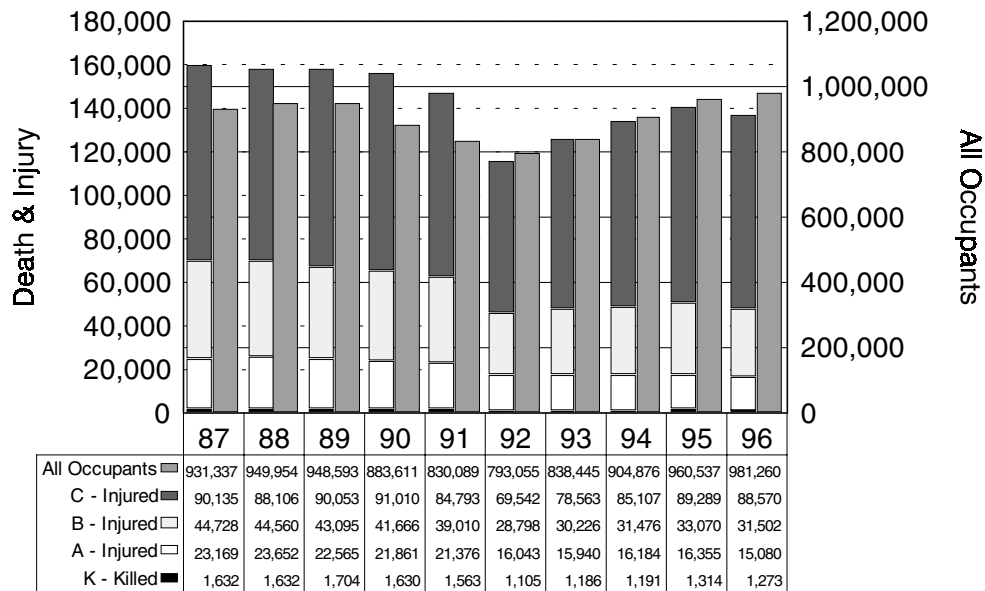


There has been a 75.3 percent rise from 38,927 vehicle-deer crashes in 1987 to 68,233 in 1996.



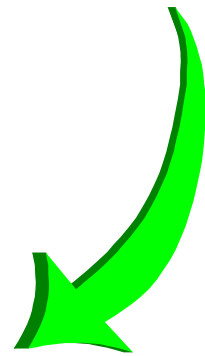
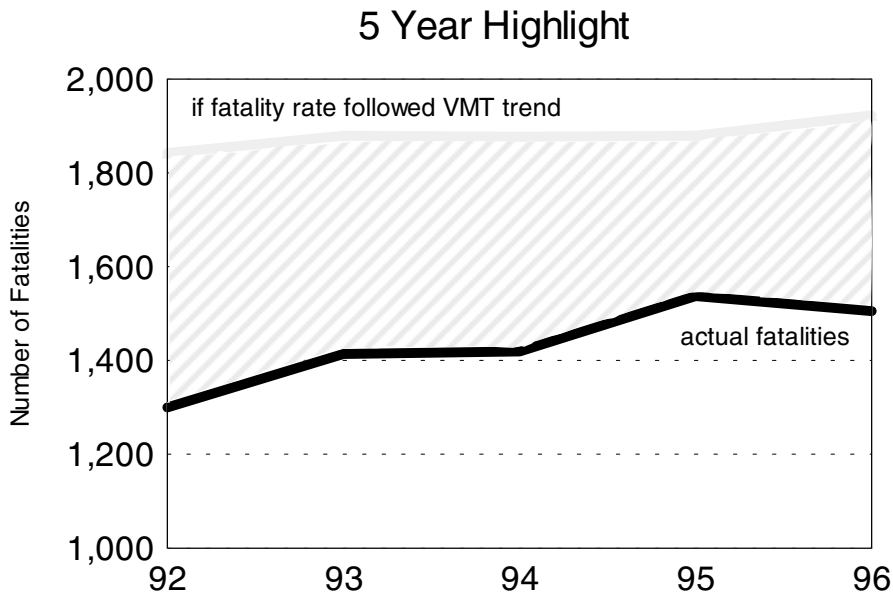
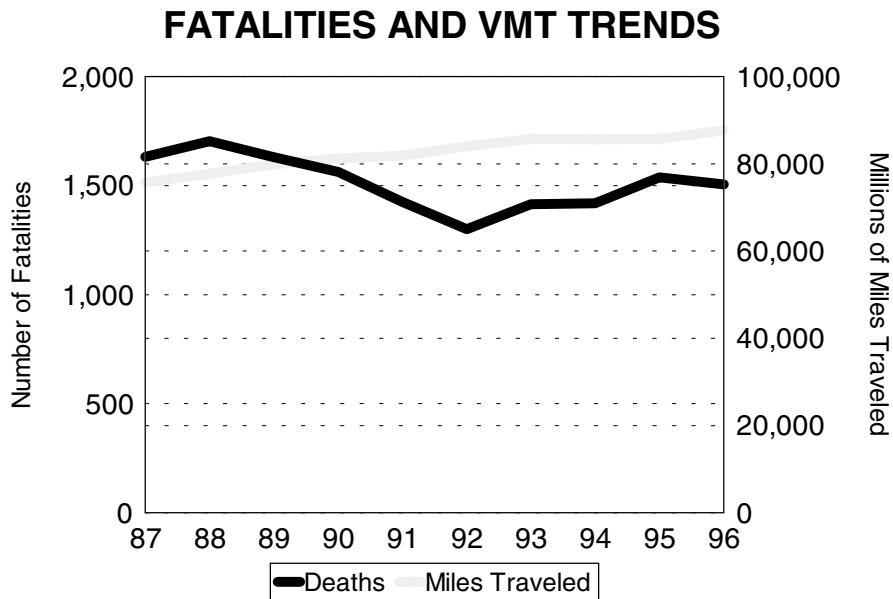
In 1996, there were 256 farm equipment crashes, down 12.3 percent from the 1995 figure of 292.

DEATH & INJURY PER CRASH INVOLVED OCCUPANT

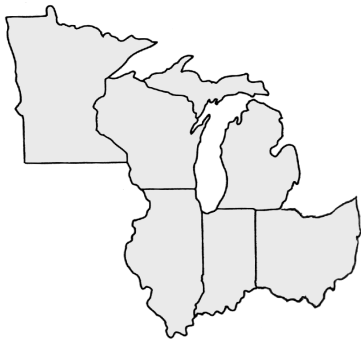


The number of deaths and injuries on Michigan roads has remained significantly lower than the peak number in 1987. However, 1,273 occupants of motor vehicles were fatally injured, 15,080 suffered an A (incapacitating) injury, 31,502 sustained a B (nonincapacitating) injury, and 88,570 sustained a C (possible) injury in 1996.

10 YEAR



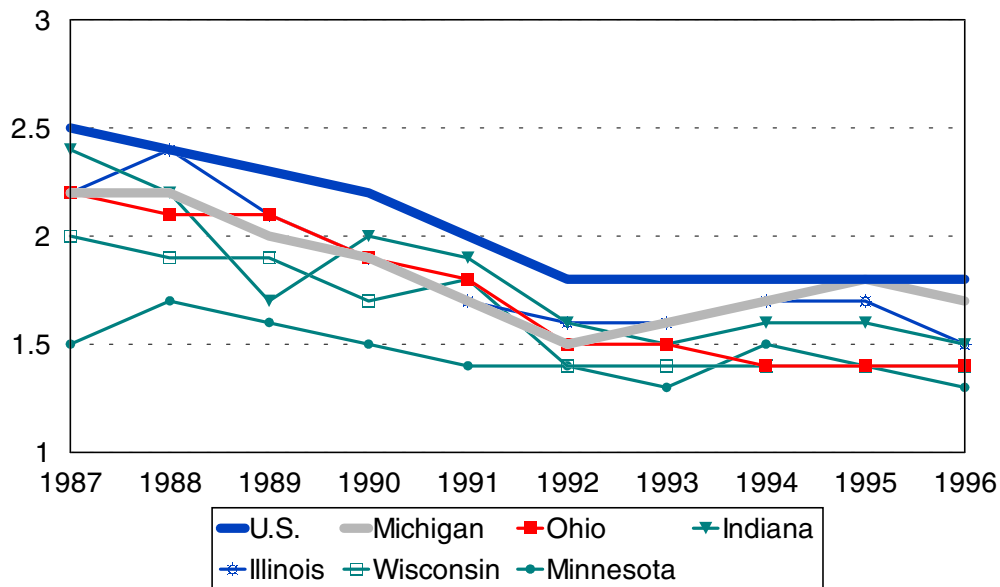
These charts show the dramatic reversal in the fatality rate that began in 1988, and a projection of losses that would have been incurred if the fatality rate had continued to follow the VMT trend.



10 YEAR

MILEAGE DEATH RATES 1987 - 1996

Comparison - Michigan to U.S. and Surrounding States



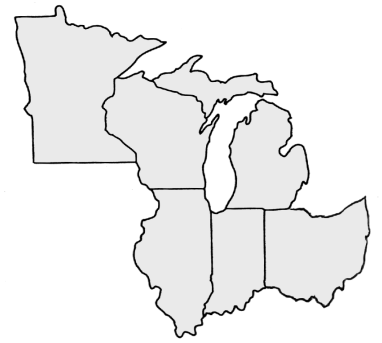
The chart above compares the Michigan mileage death rates (motor vehicle traffic deaths per 100,000,000 vehicle miles) to those of its neighboring states and the overall U.S. rates for a ten year period.

From 1987 to 1992, Michigan placed consistently in the middle of the pack, mirroring the U.S. trend towards a reduced fatality rate. Over the last four years, the Michigan mileage death rate has risen, but has not exceeded the U.S. rate.

	U.S.	Michigan	Ohio	Indiana	Illinois	Wisconsin	Minnesota
1987	2.5	2.2	2.2	2.4	2.2	2.0	1.5
1988	2.4	2.2	2.1	2.2	2.4	1.9	1.7
1989	2.3	2.0	2.1	1.7	2.1	1.9	1.6
1990	2.2	1.9	1.9	2.0	1.9	1.7	1.5
1991	2.0	1.7	1.8	1.9	1.7	1.8	1.4
1992	1.8	1.5	1.5	1.6	1.6	1.4	1.4
1993	1.8	1.6	1.5	1.5	1.6	1.4	1.3
1994	1.8	1.7	1.4	1.6	1.7	1.4	1.5
1995	1.8	1.8	1.4	1.6	1.7	1.4	1.4
1996	1.8	1.7	1.4	1.5	1.5	1.4	1.3

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

10 YEAR



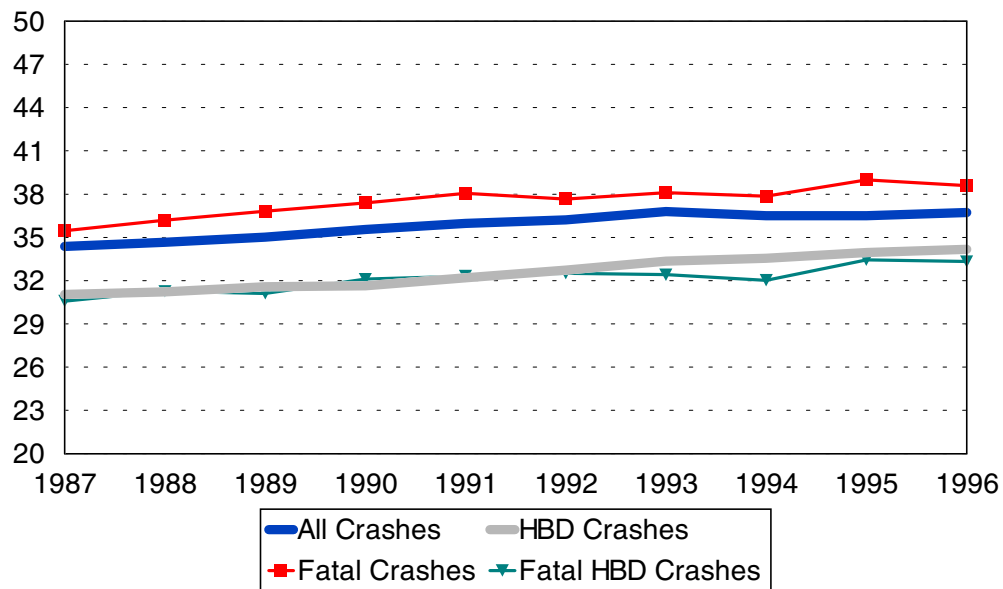
MICHIGAN AND SURROUNDING STATES COMPARISON OF FATALITIES AND VMT

Year	U.S. Persons Killed	Michigan Persons Killed	Ohio Persons Killed	Indiana Persons Killed	Illinois Persons Killed	Wisconsin Persons Killed	Minnesota Persons Killed
1987	48,290	1,632	1,772	1,055	1,685	817	530
1988	49,078	1,704	1,748	1,099	1,860	813	615
1989	47,575	1,630	1,772	971	1,748	817	605
1990	46,814	1,563	1,637	1,049	1,589	763	568
1991	43,536	1,425	1,635	1,022	1,448	795	531
1992	40,982	1,300	1,440	901	1,384	645	581
1993	41,893	1,414	1,484	901	1,392	703	538
1994	42,700	1,419	1,368	974	1,554	706	644
1995	43,900	1,537	1,357	960	1,586	739	597
1996	43,300	1,505	1,395	982	1,477	759	576

Year	U.S. VMT	Michigan VMT	Ohio VMT	Indiana VMT	Illinois VMT	Wisconsin VMT	Minnesota VMT
1987	1,924	75.7	79.3	43.6	76.0	40.2	35.1
1988	2,026	77.7	81.8	51.1	78.6	42.3	36.4
1989	2,107	79.9	84.1	56.2	81.6	43.1	37.6
1990	2,148	81.2	88.2	53.7	83.6	44.3	38.8
1991	2,172	81.9	93.0	54.3	85.7	45.5	39.3
1992	2,240	84.0	95.2	57.1	87.9	47.5	41.3
1993	2,289	85.7	97.5	60.5	89.8	48.8	42.3
1994	2,347	85.6	99.0	62.1	92.1	50.3	43.4
1995	2,405	85.7	99.7	62.0	94.3	51.4	44.1
1996	2,467	87.7	102.8	66.0	96.9	52.6	45.2

VMT described in billions of miles

AVERAGE AGE OF DRIVERS IN CRASHES 1987 - 1996

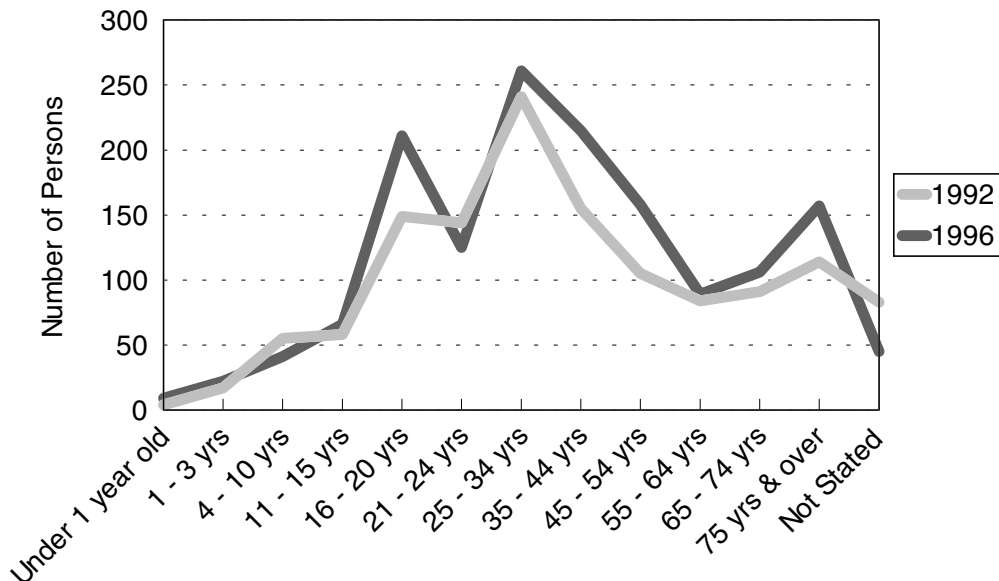


Reflecting the demographic trend of increasing age in the general population, the average age of crash-involved drivers has also increased. An aging driving population has implications for law enforcement prioritizing, highway design, traffic signing considerations, and Emergency Medical System procedures.

TREND DATA FOR FATALITIES

TREND DATA FOR FATALITIES	1992	1993	1994	1995	1996
Age of Persons Killed, Total					
Under 1 year old	4	3	6	6	9
1 - 3 years	17	14	24	23	22
4 - 10 years	55	40	46	48	41
11 - 15 years	58	54	61	51	66
16 - 20 years	149	169	219	215	211
21 - 24 years	144	150	144	149	125
25 - 34 years	241	257	208	254	261
35 - 44 years	155	204	200	242	215
45 - 54 years	105	132	119	140	158
55 - 64 years	84	81	84	99	89
65 - 74 years	91	100	108	116	106
75 years and over	114	130	134	152	157
Not Stated	83	80	66	42	45
Totals	1,300	1,414	1,419	1,537	1,505

Age of Persons Killed, Total



The chart above shows the total number of deaths in motor vehicle crashes in Michigan by age, comparing 1992 with 1996.

5

YEAR

TREND DATA FOR FATALITIES	1992	1993	1994	1995	1996
Age of Drivers Involved in Fatal Crashes					
Under 1 year old	0	0	1	0	0
1 - 3 years	0	0	0	0	0
4 - 10 years	1	0	1	0	0
11 - 15 years	12	13	11	10	5
16 - 20 years	249	259	307	314	303
21 - 24 years	210	218	222	220	226
25 - 34 years	430	421	431	466	501
35 - 44 years	289	340	369	442	392
45 - 54 years	166	203	207	260	254
55 - 64 years	124	115	110	146	108
65 - 74 years	98	97	112	121	124
75 years and over	87	106	105	129	130
Not Stated	178	217	170	203	183
Totals	1,844	1,989	2,046	2,311	2,226

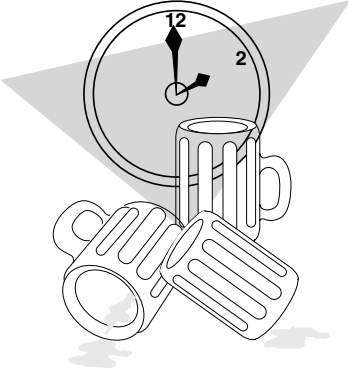
Age of Pedestrians Killed

Under 1 year old	0	0	0	1	1
1 - 3 years	4	1	10	3	5
4 - 10 years	20	10	13	14	14
11 - 15 years	8	9	10	10	10
16 - 20 years	9	7	17	10	11
21 - 24 years	10	12	11	15	5
25 - 34 years	22	33	21	27	26
35 - 44 years	18	35	29	42	35
45 - 54 years	14	20	11	19	35
55 - 64 years	13	6	15	15	22
65 - 74 years	13	17	15	15	12
75 years and over	20	15	23	12	14
Not Stated	19	6	7	7	2
Totals	170	171	182	190	192

Action of Pedestrians Killed

Crossing at intersection	10	21	25	22	22
Cross not at intersection	46	54	66	64	65
Getting on/off vehicle	5	1	1	1	1
In road with traffic	10	14	12	18	26
In road against traffic	4	3	3	5	1
Standing or lying in road	13	15	14	17	21
Pushing/working on vehicle	4	3	4	4	2
Other working in road	2	0	3	0	1
Playing in road	2	0	0	0	1
In road for other reason	5	7	8	15	15
Not in road	5	8	14	13	10
Other/Unknown	64	45	32	31	27
Totals	170	171	182	190	192

FATAL CRASHES AND PERSONS KILLED FOR SELECTED HOLIDAY PERIODS IN MICHIGAN

HOLIDAY PERIOD	Fatal Crashes	Persons Killed	SUMMARY 1996
Memorial Day 1996 (3) 1995 (3) 1994 (3) 1993 (3) 1992 (3)	10 [7] 11 11 18 16	11 [7] 12 13 23 18	<p>This table shows traffic death tolls in Michigan for the past five years for the major holiday periods.</p> <p>Based on the <i>total 1996</i> experience, deaths averaged 4.1 per day. Alcohol related deaths averaged 1.5 per day.</p> <p>Based on the <i>1996 Holiday Period</i> experience, deaths averaged 6.2 per day. Alcohol related deaths averaged 2.7 per day.</p> 
Fourth of July 1996 (4) 1995 (4) 1994 (3) 1993 (3) 1992 (3)	24 [8] 19 17 11 17	27 [8] 19 19 14 20	
Labor Day 1996 (3) 1995 (3) 1994 (3) 1993 (3) 1992 (3)	21 [15] 22 9 7 15	27 [20] 30 10 7 20	
Thanksgiving 1996 (4) 1995 (4) 1994 (4) 1993 (4) 1992 (4)	18 [8] 11 19 21 18	23 [8] 12 21 29 19	
Christmas 1996 (1) 1995 (3) 1994 (3) 1993 (3) 1992 (4)	4 [0] 15 17 9 14	6 [0] 16 23 9 20	
New Years 1996 (1) 1995 (3) 1994 (3) 1993 (3) 1992 (4)	4 [0] 13 16 18 21	5 [0] 14 16 19 22	

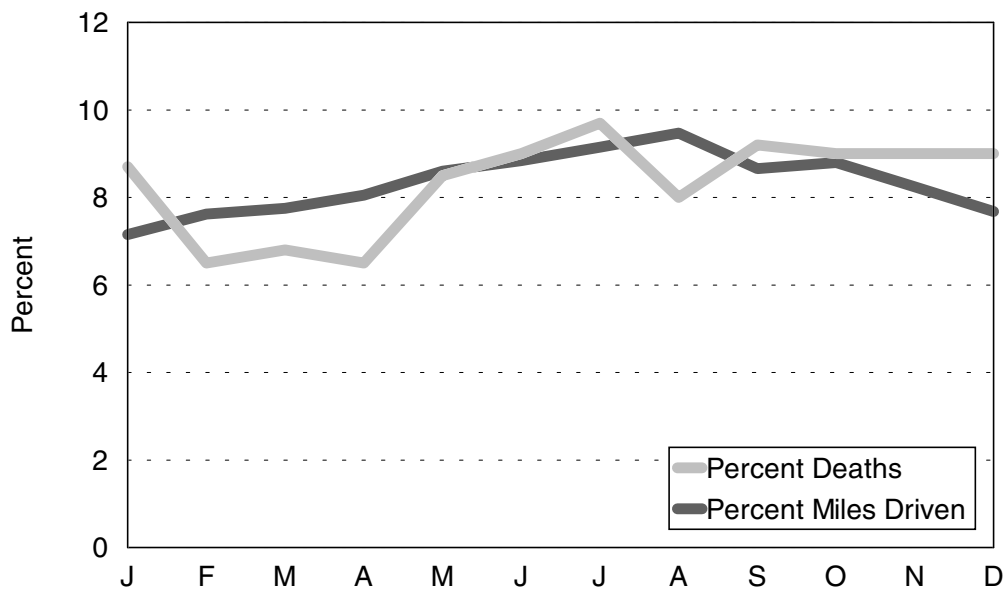
Figures in parentheses in the 1st column show number of full days in each holiday period. Deaths are for these days plus six hours of the preceding day.
 Figures in brackets in the 2nd and 3rd columns show the number of alcohol related crashes and deaths.

5 YEAR

MOTOR VEHICLE DEATHS AND MILEAGE BY MONTH

Month	TRAFFIC DEATHS					1996 PERCENTAGES	
	1992	1993	1994	1995	1996	Percent Deaths	Percent Miles Driven
January	83	123	106	122	131	8.7	7.15
February	81	91	86	90	98	6.5	7.62
March	83	89	82	109	103	6.8	7.75
April	86	72	116	111	98	6.5	8.05
May	100	127	111	118	128	8.5	8.60
June	122	103	123	141	135	9.0	8.84
July	134	149	126	127	146	9.7	9.15
August	119	140	143	159	121	8.0	9.47
September	123	131	132	157	138	9.2	8.66
October	129	146	133	134	135	9.0	8.80
November	120	134	123	136	136	9.0	8.24
December	120	109	138	133	136	9.0	7.68
Totals	1,300	1,414	1,419	1,537	1,505	100.0	100.0

Percent Deaths & Percent Miles Driven



The above chart shows that *deaths per miles driven* were lower for the months of February through April, than for the other months in 1996.

1 YEAR

1995 - 1996 SUMMARY TRENDS

- Deaths among vehicle occupants (drivers and passengers) decreased **2.1** percent.
- Alcohol use was indicated in 36.4 percent of all fatal crashes, a decrease of **4.9** percent.
- Persons sustaining "A" level injuries (the most serious) decreased **7.9** percent.

	1995	1996	% CHANGE
NUMBER OF CRASHES			
Property Damage Crashes	319,480	335,495	5.0
Fatal Crashes	1,386	1,339	-3.4
Personal Injury Crashes	100,207	98,643	-1.6
Total	421,073	435,477	3.4
ALCOHOL IN FATAL CRASHES			
Had Been Drinking (HBD)	512 (36.9%)	487 (36.4)	-4.9
Had Not (HNBD)/Not Known If Drinking	874 (63.1%)	852 (63.6)	-2.5
PERSONS IN CRASHES			
Killed and Injured	147,840	144,058	-2.6
Not Injured	557,316	576,351	3.4
Unknown Injury	75,354	79,034	4.9
Total	780,510	799,443	2.4
PERSONS INJURED			
Male	71,866	69,106	-3.8
Female	74,437	73,447	-1.3
Total	146,303	142,553	-2.6
"A" Injury	18,041	16,622	-7.9
"B" Injury	35,701	34,063	-4.6
"C" Injury	92,561	91,868	-0.7
Total	146,303	142,553	-2.6
PERSONS KILLED			
Male	980	970	-1.0
Female	557	535	-3.9
Total	1,537	1,505	-2.1
Drivers	833	822	-1.3
Passengers	358	344	-3.9
Pedestrians	190	192	1.1
Bicyclists	28	32	14.3
Motorcyclist	82	62	-24.4
Farm Equipment	1	1	0.0
Train Engineer	0	0	0.0
Snowmobile	16	13	-18.8
ORV/ATV	2	9	350.0
Other/Unknown	27	30	11.1
Total	1,537	1,505	-2.1

1 YEAR

MORE MICHIGAN CRASH FACTS

CRASH FACTS	1995	1996	% Change
Deaths	1,537	1,505	-2.1
Injuries	146,303	142,553	-2.6
Crashes	421,073	435,477	3.4
Drivers Involved	729,050	750,103	2.9
Vehicles Involved	730,952	751,804	2.9
Fatal Crashes	1,386	1,339	-3.4
Estimated MV Mileage Traveled (billions)	85.7	87.7	2.3
Death Rate Per 100 Million Vehicle Miles	1.8	1.7	-5.6
Fatal Crash Rate Per 100 Million Veh Miles	1.6	1.5	-6.3

Michigan experienced an 2.1 percent decrease in traffic fatalities, as well as a 2.6 percent decrease in injuries and a 3.4 percent increase in crashes. Vehicle mileage increased 2.3 percent and the death rate per 100 million vehicle miles decreased 5.6 percent.

Based on provisional numbers, the National Safety Council estimates a national decrease in traffic fatalities of 1.4 percent between 1995 (43,900) and 1996 (43,300).



1996 COST OF CRASHES IN MICHIGAN

The cost estimate for Michigan crashes in 1996 is **\$9,840,932,600**. This estimate is based on the National Safety Council's cost estimating procedures. Average comprehensive costs are based on the following figures:

Comprehensive Costs, 1996	
Death	\$2,790,000
Incapacitating injury	\$138,000
Nonincapacitating evident injury	\$35,700
Possible injury	\$17,000
No injury	\$1,700

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

MOTOR VEHICLE TRAFFIC DEATHS IN MICHIGAN BY MONTH

Revised December 18, 2006

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
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
1995	122	90	109	111	118	141	127	159	157	134	136	133	1,537
1996	131	98	103	98	128	135	146	121	138	135	136	136	1,505

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
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
1995	1,537	146,303	421,073	85,699.6	7,751,336	1.8
1996	1,505	142,553	435,477	87,700.0	8,106,972	1.7

* Excludes trailers and trailer coaches.

1996

1996

1996

1996

1996

1996

1996

1996

Highlights

INJURY EXPERIENCE FOR PERSONS WHO HAD BEEN DRINKING

Alcohol and/or drug use affects the judgment and behavior of persons in addition to motor vehicle drivers. Consider the experience of drinking bicyclists, pedestrians, motorcyclists, snowmobilers, and ORV/ATV riders, when looking at crash statistics. Alcohol should not be used by anyone intending to navigate a roadway.

BICYCLIST	Total	Drinking in Crash	Drinking Bicyclist
Bicyclists Killed	32	9	5
Bicyclists Injured	2,534	122	74
Bicyclists in Crashes	3,091	145	87



PEDESTRIAN	Total	Drinking in Crash	Drinking Pedestrian
Pedestrians Killed	192	75	59
Pedestrians Injured	3,404	331	225
Pedestrians in Crashes	3,971	425	295



MOTORCYCLIST	Total	Drinking in Crash	Drinking Motorcyclist
Motorcyclists Killed	62	29	28
Motorcyclists Injured	2,200	324	259
Motorcyclists in Crashes	2,887	400	319



SNOWMOBILER *	Total	Drinking in Crash	Drinking Snowmobiler
Snowmobilers Killed	13	7	6
Snowmobilers Injured	276	75	69
Snowmobilers in Crashes	522	112	94

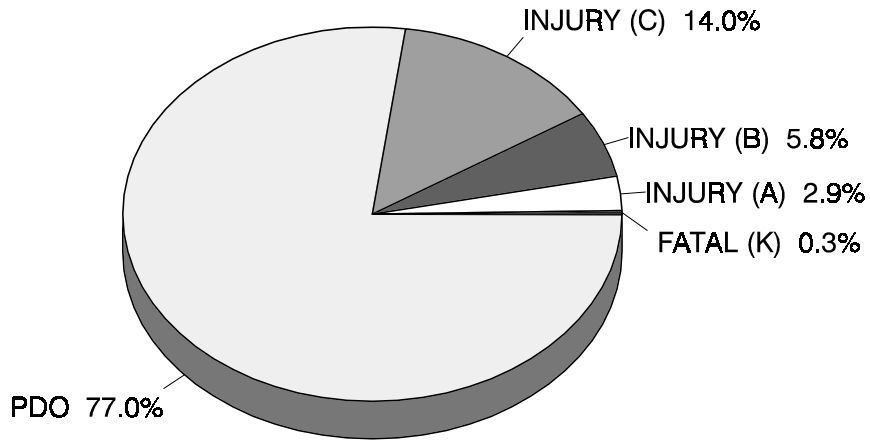


ORV/ATV RIDER *	Total	Drinking in Crash	Drinking ORV/ATV Rider
ORV/ATV Rider Killed	9	7	7
ORV/ATV Rider Injured	170	27	22
ORV/ATV Rider in Crashes	246	36	31

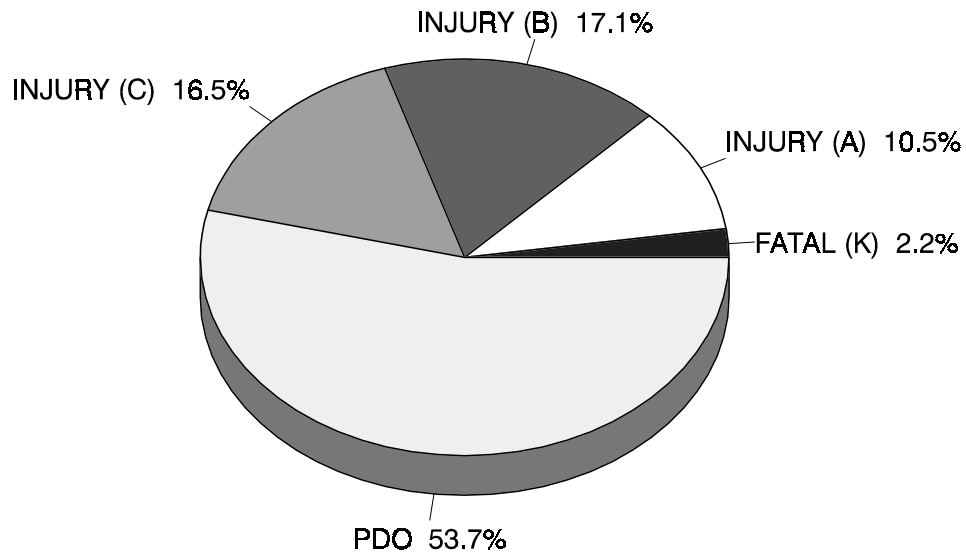


* on-road crashes

ALL CRASHES BY INJURY SEVERITY



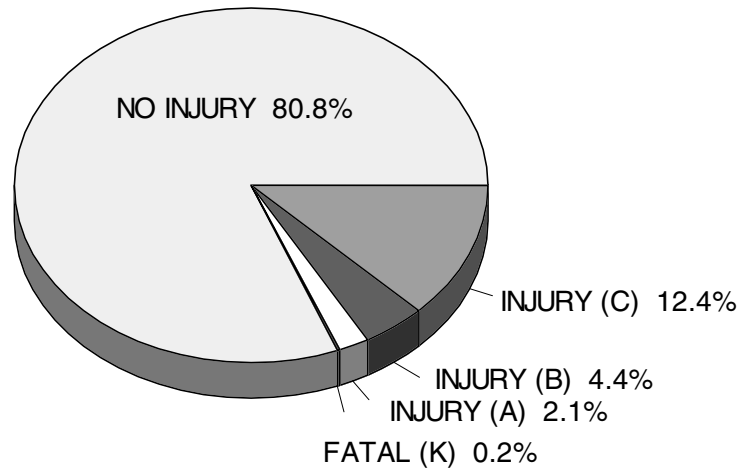
HBD CRASHES BY INJURY SEVERITY



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 seven times more likely when one of the crash-involved operators is reported as had been drinking.

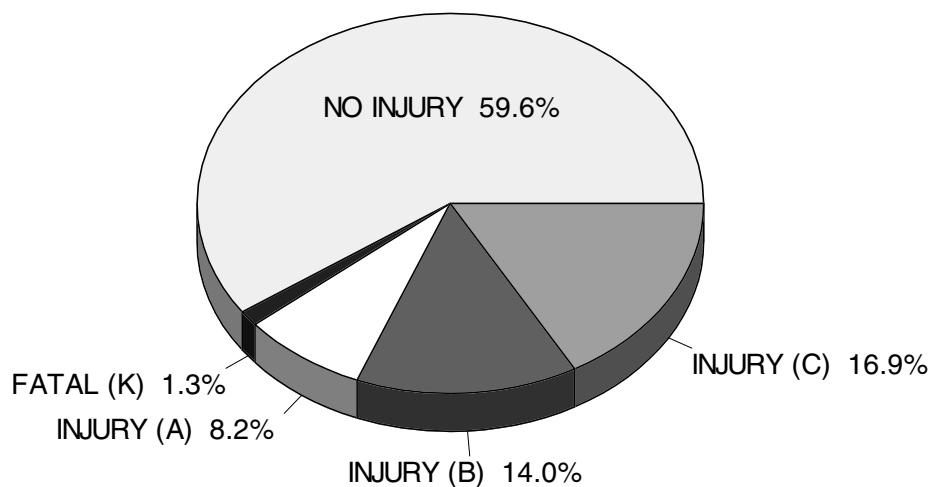
DEATH & INJURY PER CRASH INVOLVED OCCUPANT

Occupants in Crashes



The majority of occupants involved in crashes are not injured (80.8%). 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

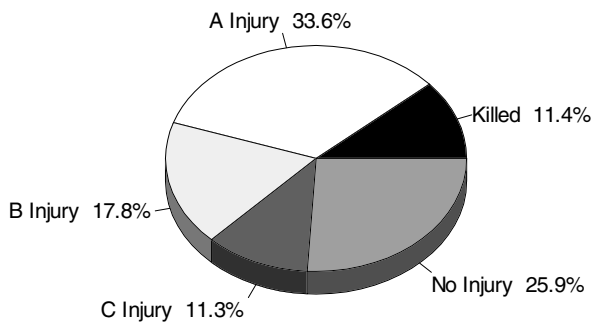


Crashes involving drinking tend to be more serious than nondrinking crashes. The percentage of fatalities is six times higher than in all crashes and the more serious injury levels are three to four times higher.

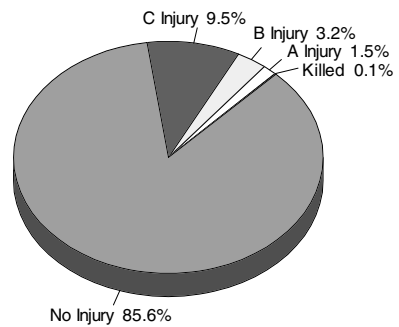
ALL DRIVERS and HBD DRIVERS INJURY SEVERITY - EJECTED vs. NOT EJECTED

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

Ejected

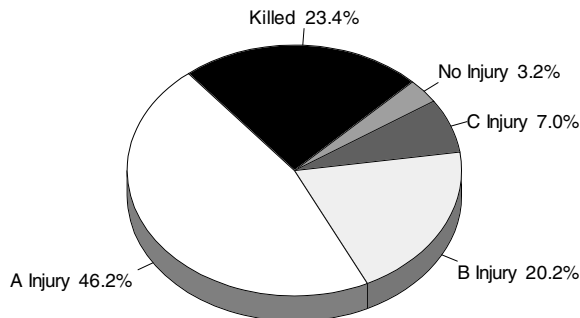


Not Ejected

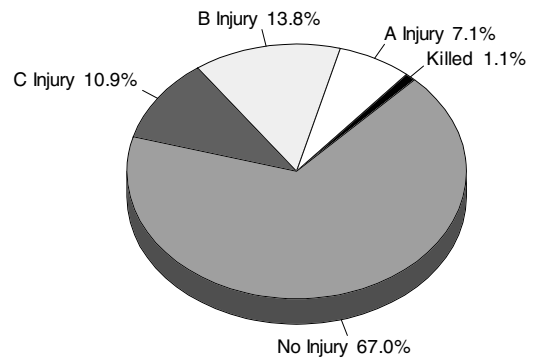


When compared to the charts above, the charts below demonstrate that the injury severity is much worse for drivers who had been drinking in both ejected, and nonejected events.

HBD Ejected



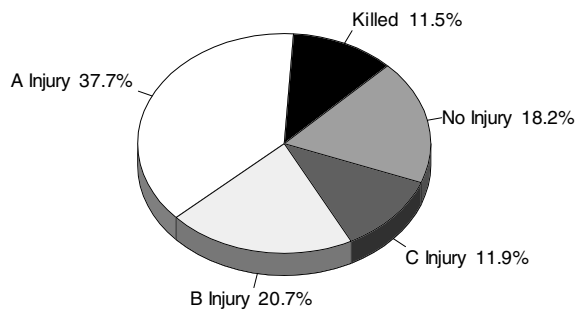
HBD Not Ejected



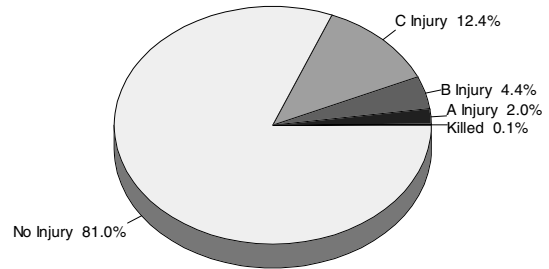
**ALL OCCUPANTS and OCCUPANTS of HBD CRASHES
INJURY SEVERITY - EJECTED vs. NOT EJECTED**

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

Ejected

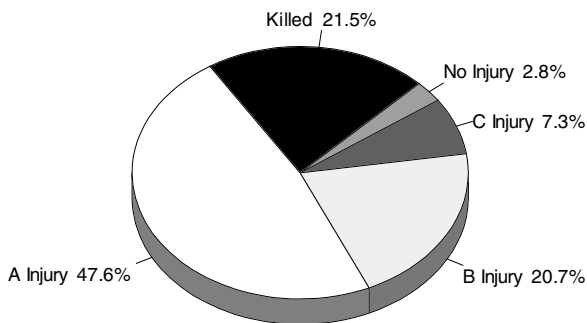


Not Ejected

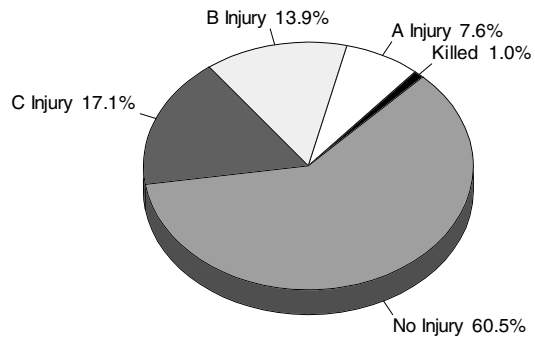


When compared to the charts above, the charts below demonstrate that the injury severity is much worse for occupants in a crash where drinking is reported in both ejected, and nonejected events.

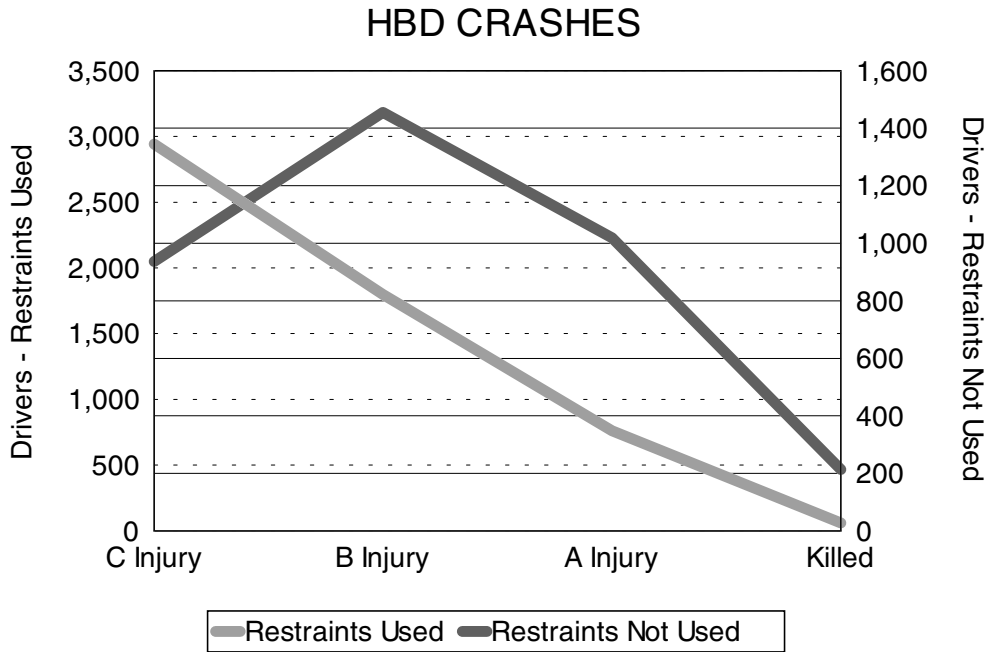
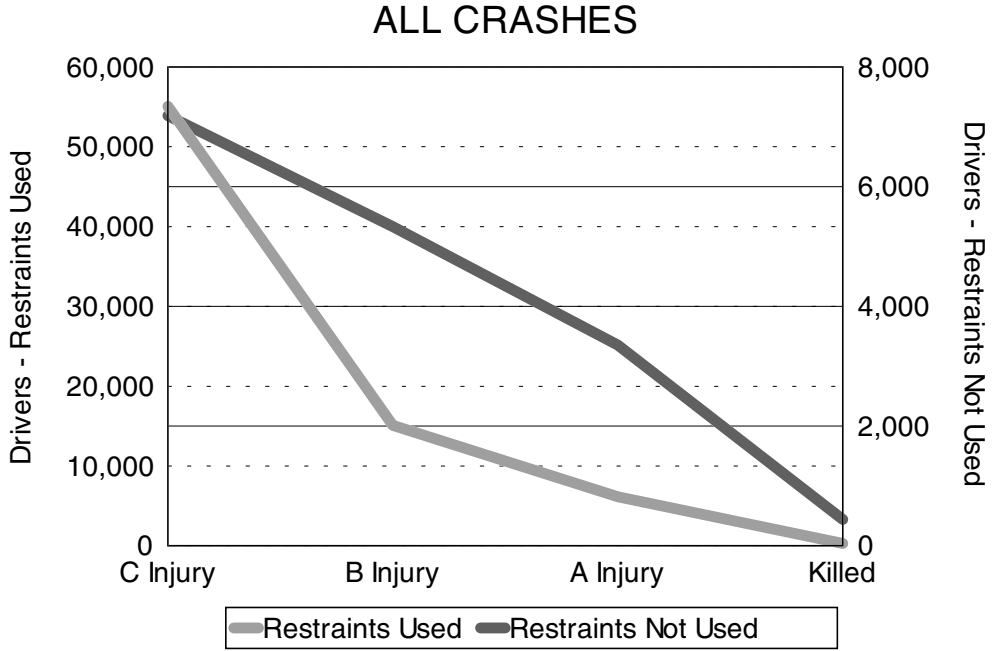
HBD Ejected



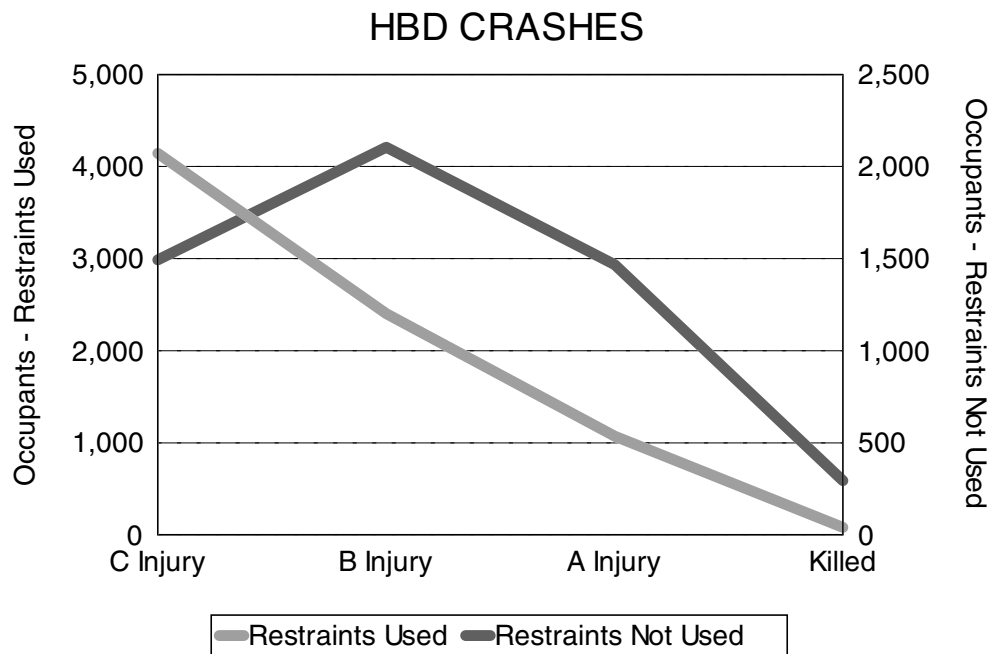
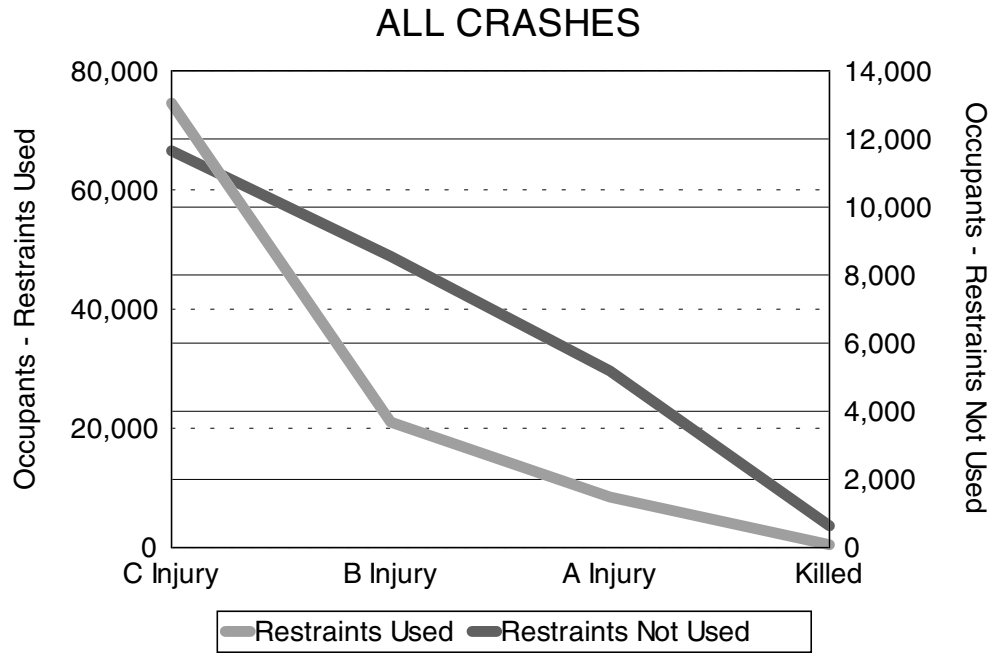
HBD Not Ejected



INJURY SEVERITY & RESTRAINT USE FOR CRASH INVOLVED KABC DRIVERS



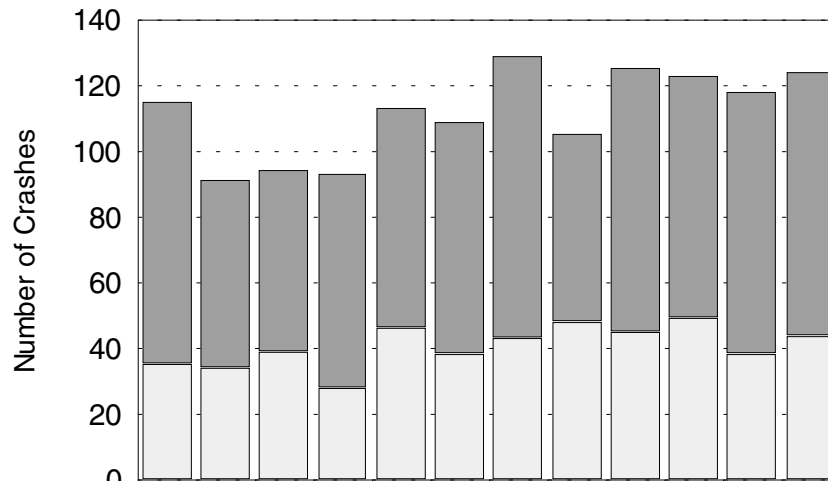
**INJURY SEVERITY & RESTRAINT USE FOR
CRASH INVOLVED KABC OCCUPANTS**



ALCOHOL INVOLVEMENT IN FATAL CRASHES

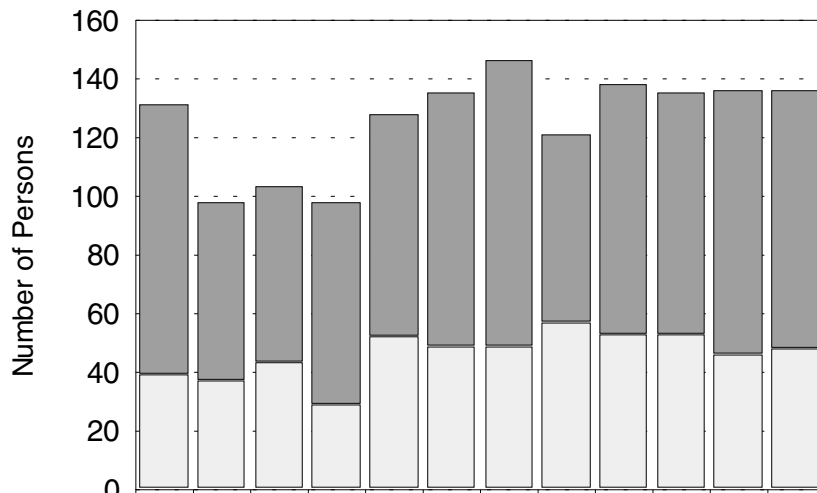
Fatal crashes were lowest in number during February, March and April. The number of fatal crashes then increased, peaking in July. These numbers follow the increase in travel during the summer months. The number of HBD fatal crashes by month does not show a discernible trend. Total persons killed in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

HBD Fatal Crashes by Month



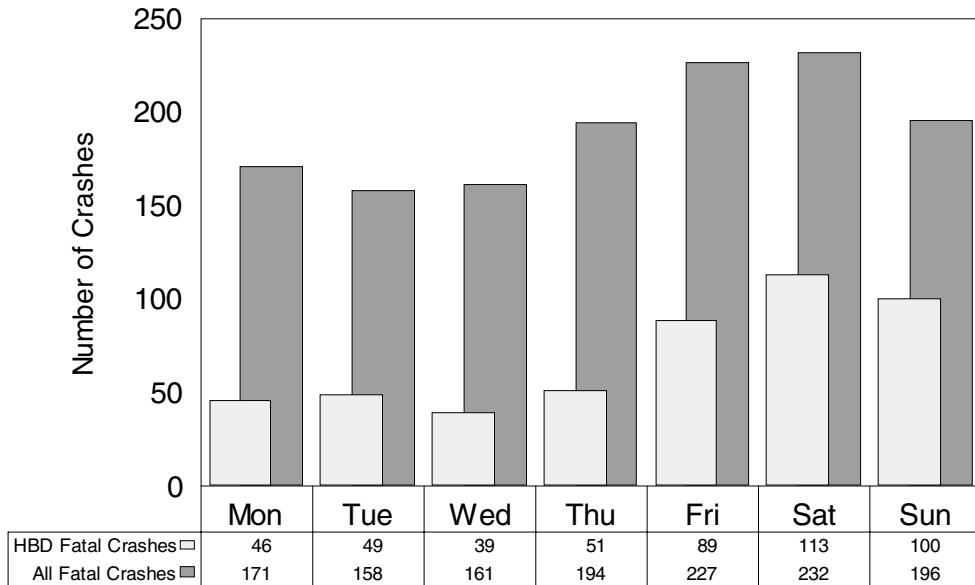
Non-HBD Fatal Crashes	80	57	55	65	67	71	86	57	80	74	80	80
HBD Fatal Crashes	35	34	39	28	46	38	43	48	45	49	38	44

Alcohol Related Fatalities by Month



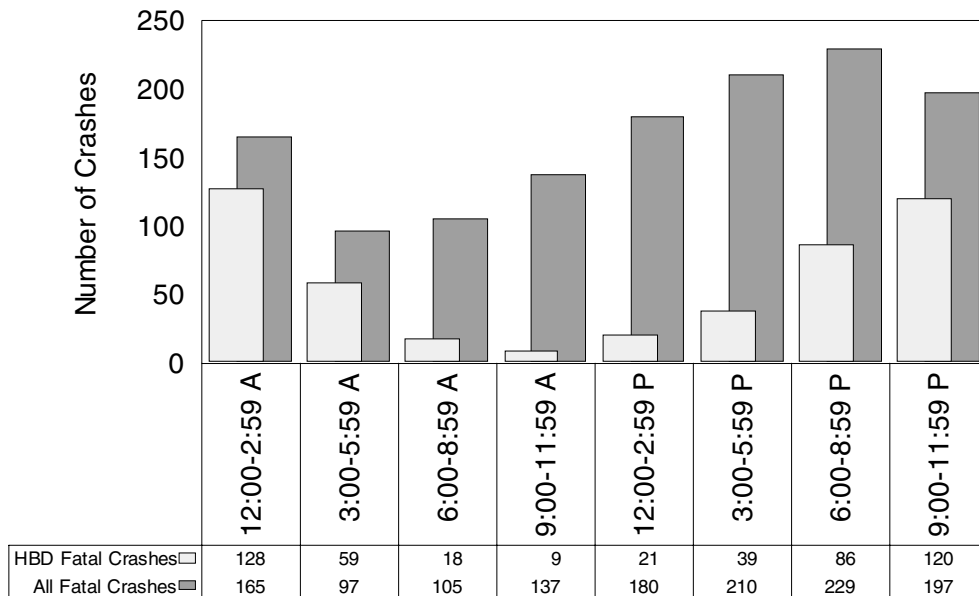
Non-Alcohol Related Fatalities	92	61	60	69	76	86	97	64	85	82	90	88
Alcohol Related Fatalities	39	37	43	29	52	49	49	57	53	53	46	48

HBD Fatal Crashes by Day of Week



Saturday had the most fatal crashes in 1996. Saturday and Sunday had the highest proportions of drinking related fatal crashes. Almost half of weekend fatal crashes involved drinking, while only 24.2 percent of fatal crashes on Wednesday involved drinking.

HBD Fatal Crashes by Time of Day



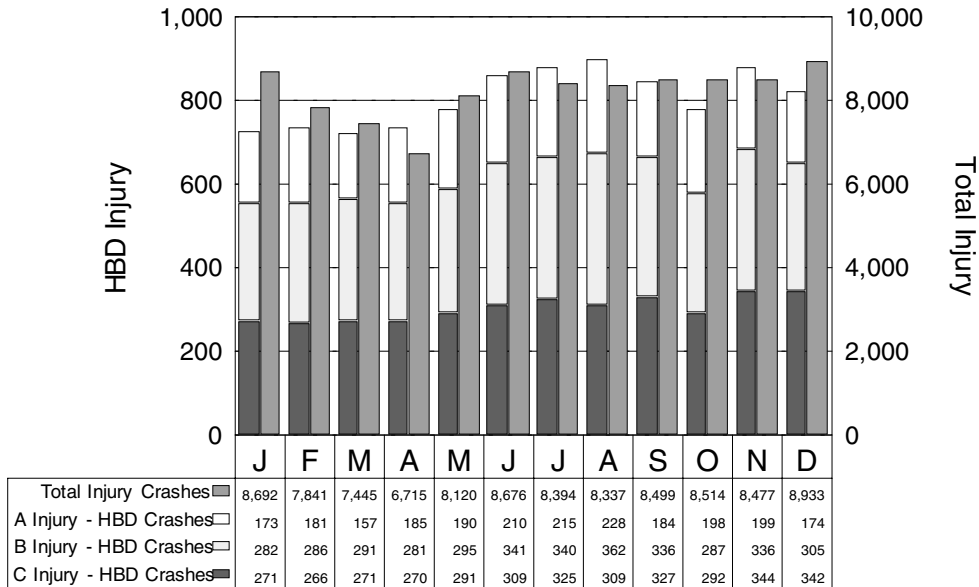
Not surprisingly, the midnight to 2:59 AM time period had the highest rate of drinking involvement (77.6%), while the late morning hours had the lowest (6.7%).

There were 19 fatal crashes where the time of day was unknown. Of these 19 fatal crashes, 7 were HBD.

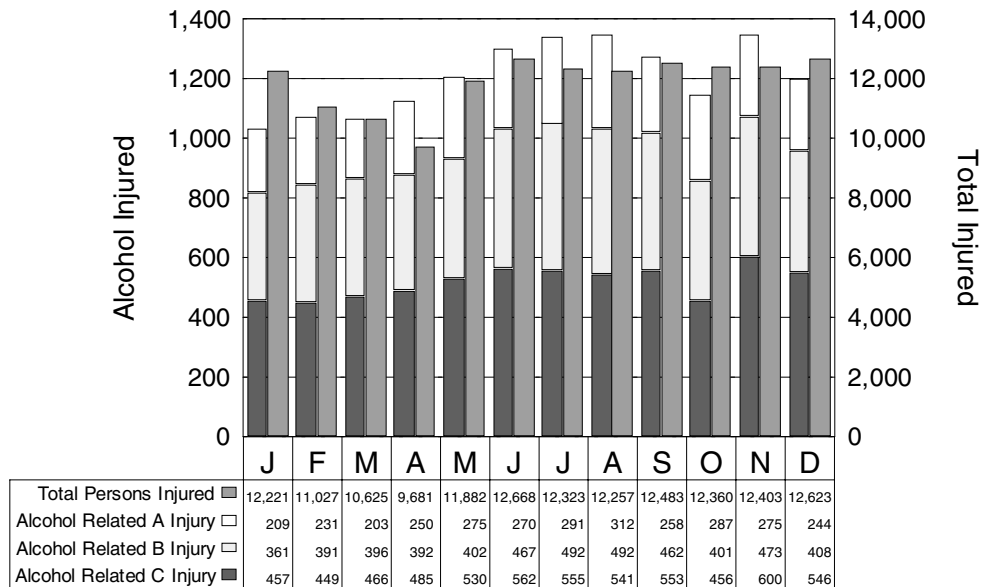
ALCOHOL INVOLVEMENT IN INJURY CRASHES

Alcohol involvement in injury crashes is an important indicator of the alcohol impaired driving problem. In 1996, the highest number of HBD injury crashes occurred in August with 899. The highest proportion of HBD injury crashes occurred in April with 11 percent of the injury crashes in that month involving alcohol.

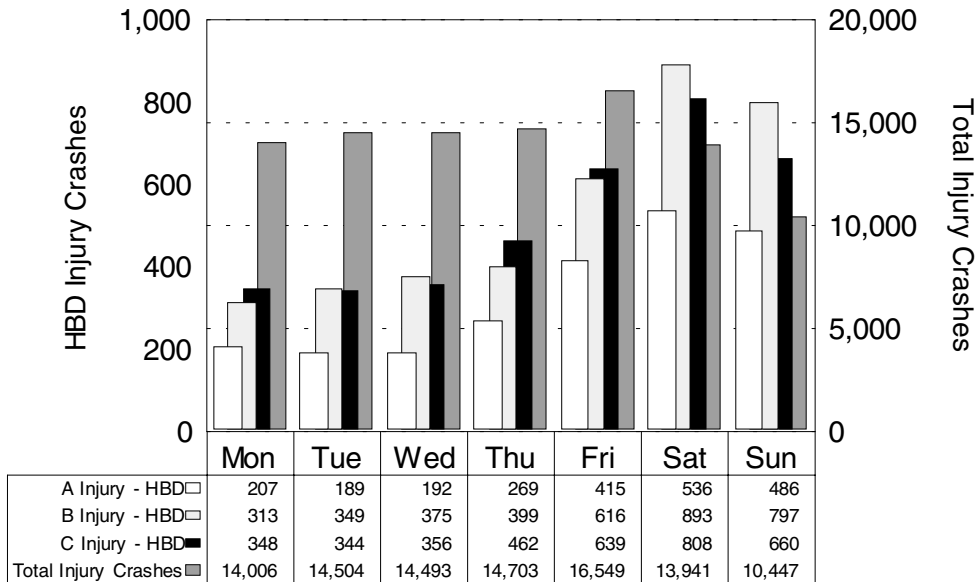
HBD Injury Crashes by Month



Alcohol Related Injuries by Month

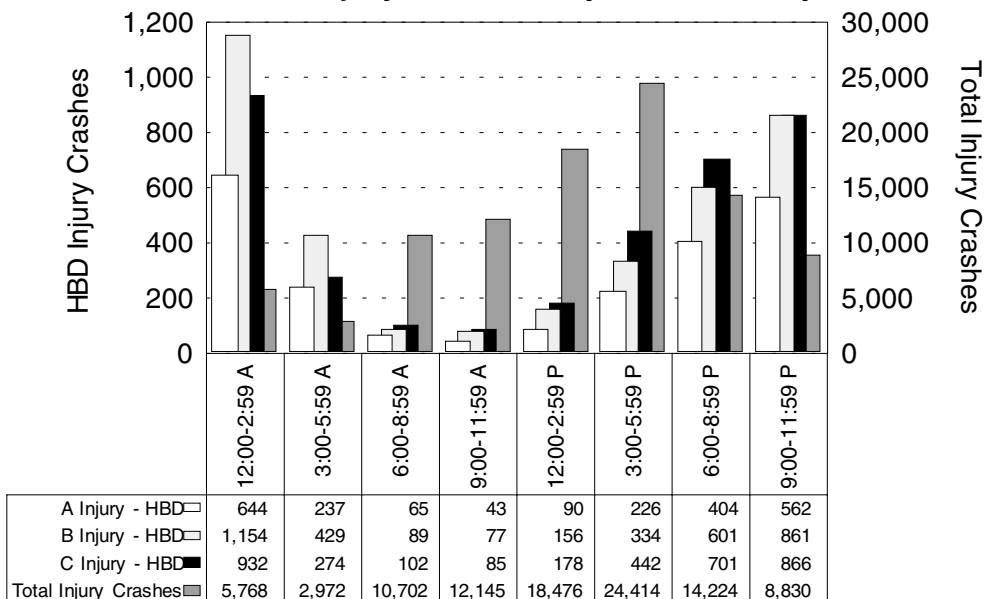


HBD Injury Crashes by Day of Week



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 9:00 PM and 2:59 AM. A particularly hazardous travel period is 12:00 AM to 2:59 AM.

REPORTED AGE OF DRINKING DRIVERS INVOLVED IN CRASHES

COUNTY	All ages	0-15 years	16-20 years	21-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75 yrs & over	DOB unk
Alcona	45	0	4	4	13	14	3	3	2	2	0
Alger	41	0	3	4	9	13	5	4	0	1	2
Allegan	303	1	23	53	102	73	27	7	3	0	14
Alpena	81	1	13	17	19	17	7	4	2	0	1
Antrim	51	0	5	7	20	10	1	2	0	0	6
Arenac	63	0	10	9	14	19	8	1	1	0	1
Baraga	21	0	1	6	8	5	0	0	0	0	1
Barry	165	1	25	19	51	41	13	4	1	1	9
Bay	365	1	37	53	105	94	37	16	7	3	12
Benzie	30	0	4	5	9	4	4	2	2	0	0
Berrien	342	4	29	37	90	92	30	14	6	1	39
Branch	111	0	11	16	36	24	8	3	1	0	12
Calhoun	344	0	31	50	94	77	49	14	9	0	20
Cass	152	0	12	12	40	39	13	2	2	0	32
Charlevoix	48	0	3	10	16	9	5	3	0	1	1
Cheboygan	84	0	11	12	30	14	10	2	3	1	1
Chippewa	115	0	10	22	34	21	9	4	1	1	13
Clare	82	0	10	8	26	25	6	4	2	0	1
Clinton	132	0	13	20	41	33	15	3	4	0	3
Crawford	33	0	3	5	11	10	1	1	1	0	1
Delta	96	0	15	14	26	15	13	4	1	1	7
Dickinson	70	0	4	13	21	13	7	2	1	1	8
Eaton	209	0	26	31	57	54	19	4	2	2	14
Emmet	93	0	9	11	28	26	7	5	2	0	5
Genesee	1,492	2	102	168	446	365	167	57	23	5	157
Gladwin	76	0	7	14	29	10	9	5	1	0	1
Gogebic	40	1	7	4	9	7	1	1	0	0	10
Grand Traverse	168	0	17	32	50	38	15	5	4	1	6
Gratiot	81	0	5	17	25	20	8	1	3	0	2
Hillsdale	102	0	12	27	23	20	8	2	3	2	5
Houghton	98	0	15	11	30	17	11	2	2	2	8
Huron	75	0	13	15	20	11	10	2	2	1	1
Ingham	597	8	72	112	136	147	58	20	13	2	29
Ionia	190	1	31	36	64	36	13	3	0	0	6
Iosco	103	0	12	11	29	28	9	5	7	1	1
Iron	37	0	1	3	11	4	8	0	1	0	9
Isabella	144	0	30	26	38	30	11	5	1	0	3
Jackson	443	2	40	71	125	126	40	10	4	6	19
Kalamazoo	535	3	76	84	135	120	49	21	6	3	38
Kalkaska	56	0	8	8	14	14	7	2	1	0	2
Kent	1,092	1	105	170	394	212	113	28	19	6	44
Keweenaw	12	0	0	0	4	1	6	0	0	1	0
Lake	39	0	3	2	17	8	5	1	2	0	1
Lapeer	240	0	28	37	83	59	25	3	2	2	1
Leelanau	71	1	6	15	21	18	4	1	0	0	5

REPORTED AGE OF DRINKING DRIVERS INVOLVED IN CRASHES (continued)

COUNTY	All ages	0-15 years	16-20 years	21-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75 yrs & over	DOB unk
Lenawee	215	0	19	29	61	55	20	6	2	0	23
Livingston	341	2	48	53	84	93	33	13	5	1	9
Luce	15	0	4	0	7	1	2	0	1	0	0
Mackinac	56	0	9	7	15	7	9	3	0	0	6
Macomb	1,675	1	146	218	479	472	194	72	27	11	55
Manistee	50	0	3	8	10	13	11	4	1	0	0
Marquette	131	0	19	29	41	21	7	2	4	1	7
Mason	75	0	9	8	30	17	2	3	0	1	5
Mecosta	83	0	6	19	33	11	5	4	1	0	4
Menominee	83	0	8	10	26	15	4	6	0	1	13
Midland	152	2	12	22	48	40	14	3	3	1	7
Missaukee	31	0	2	6	9	5	3	2	1	0	3
Monroe	386	2	36	41	115	84	34	8	6	6	54
Montcalm	179	0	16	23	58	56	16	4	3	0	3
Montmorency	36	0	3	4	8	10	4	4	2	0	1
Muskegon	339	1	31	47	106	86	31	12	9	1	15
Newaygo	158	0	14	17	68	25	14	8	4	0	8
Oakland	2,256	5	191	301	690	572	282	81	42	8	84
Oceana	100	0	13	15	31	20	6	6	3	0	6
Ogemaw	64	0	4	8	25	18	5	2	0	1	1
Ontonagon	30	0	4	3	6	8	1	3	1	0	4
Osceola	80	0	8	11	19	24	12	5	0	1	0
Oscoda	40	0	6	7	12	3	6	3	2	0	1
Otsego	61	0	6	8	21	13	4	3	2	1	3
Ottawa	350	1	48	68	88	90	19	14	2	1	19
Presque Isle	33	0	2	4	8	9	5	4	1	0	0
Roscommon	69	0	5	5	29	16	9	3	1	0	1
Saginaw	517	1	52	80	156	124	58	17	7	4	18
Sanilac	87	0	12	14	22	23	8	3	0	1	4
Schoolcraft	38	0	6	2	8	8	6	1	2	0	5
Shiawassee	162	2	21	25	44	43	21	1	1	1	3
St. Clair	415	1	58	47	134	92	35	16	10	3	19
St. Joseph	166	0	24	27	51	24	13	5	1	0	21
Tuscola	149	0	18	26	47	29	19	5	2	1	2
Van Buren	196	0	17	24	72	37	18	6	4	3	15
Washtenaw	552	1	53	85	173	119	56	23	5	3	34
Wayne	3,667	3	259	424	991	957	463	197	111	28	234
Wexford	111	1	6	16	42	23	13	6	1	1	2
UNKNOWN	4	1	0	0	0	1	1	0	0	0	1
Totals	21,919	51	2,100	3,042	6,470	5,297	2,337	840	414	127	1,241



**MALE DRIVERS &
INJURY SEVERITY IN CRASH**

ALL CRASHES

MOST SEVERE OUTCOME IN CRASH

AGE OF DRIVER IN CRASH	Male Drivers		Fatal		Injury			PDO
	Number	% of Total	Number	% of Fatal	A	B	C	
Under 1 year old	158	0.0	0	0.0	3	11	19	125
1 - 3 years	23	0.0	0	0.0	1	2	3	17
4 - 10 years	78	0.0	0	0.0	6	14	16	42
11 - 15 years	1,006	0.3	3	0.2	82	158	152	611
16 - 20 years	61,079	15.2	216	14.4	1978	4435	9313	45137
21 - 24 years	38,053	9.5	168	11.2	1288	2578	5769	28250
25 - 34 years	88,224	22.0	343	22.9	2813	5369	13405	66294
35 - 44 years	74,754	18.6	260	17.4	2279	4309	11089	56817
45 - 54 years	49,674	12.4	169	11.3	1486	2688	7389	37942
55 - 64 years	26,573	6.6	80	5.3	749	1436	4060	20248
65 - 74 years	17,943	4.5	79	5.3	533	1160	2944	13227
75 years and over	10,204	2.5	86	5.7	363	702	1703	7350
Not Stated	33,581	8.4	93	6.2	886	1521	4740	26341
TOTAL	401,350	100.0	1,497	100.0	12,467	24,383	60,602	302,401

The fatal crash involvement for male drivers is down 4.4 percent from 1995.

DRINKING DRIVER

MOST SEVERE OUTCOME IN CRASH

AGE OF DRINKING DRIVER IN CRASH	Male Drivers		Fatal		Injury			PDO
	Number	% of Total	Number	% of Fatal	A	B	C	
Under 1 year old	11	0.1	0	0.0	0	1	2	8
1 - 3 years	0	0.0	0	0.0	0	0	0	0
4 - 10 years	4	0.0	0	0.0	0	2	1	1
11 - 15 years	26	0.2	0	0.0	1	4	3	18
16 - 20 years	1,689	9.8	50	14.0	187	327	240	885
21 - 24 years	2,516	14.6	57	16.0	265	505	365	1324
25 - 34 years	4,970	28.9	107	30.1	529	932	773	2629
35 - 44 years	3,982	23.2	70	19.7	407	667	647	2191
45 - 54 years	1,902	11.1	28	7.9	189	243	364	1078
55 - 64 years	717	4.2	14	3.9	61	107	128	407
65 - 74 years	356	2.1	7	2.0	30	58	74	187
75 years and over	105	0.6	8	2.2	8	12	20	57
Not Stated	908	5.3	15	4.2	80	120	157	536
TOTAL	17,186	100.0	356	100.0	1,757	2,978	2,774	9,321

The fatal crash involvement for male drinking drivers is down 12.1 percent from 1995.



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	
Under 1 year old	109	0.0	0	0.0	1	4	17	87
1 - 3 years	23	0.0	0	0.0	0	2	3	18
4 - 10 years	47	0.0	0	0.0	5	4	10	28
11 - 15 years	613	0.2	2	0.3	42	74	113	382
16 - 20 years	43,246	15.8	84	13.2	1396	3262	8118	30386
21 - 24 years	26,917	9.8	51	8.0	816	1714	5041	19295
25 - 34 years	62,757	23.0	151	23.8	1720	3787	12072	45027
35 - 44 years	55,861	20.4	127	20.0	1495	3098	10342	40799
45 - 54 years	34,780	12.7	84	13.2	944	1913	6404	25435
55 - 64 years	16,570	6.1	27	4.3	458	923	3108	12054
65 - 74 years	11,199	4.1	43	6.8	343	653	2133	8027
75 years and over	7,485	2.7	41	6.5	292	544	1342	5266
Not Stated	13,754	5.0	24	3.8	304	588	2055	10783
TOTAL	273,361	100.0	634	100.0	7,816	16,566	50,758	197,587

The fatal crash involvement for female drivers is down 0.9 percent from 1995.

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	
Under 1 year old	2	0.0	0	0.0	0	1	1	0
1 - 3 years	0	0.0	0	0.0	0	0	0	0
4 - 10 years	0	0.0	0	0.0	0	0	0	0
11 - 15 years	8	0.2	0	0.0	2	0	3	3
16 - 20 years	379	9.0	7	9.0	55	90	55	172
21 - 24 years	469	11.1	10	12.8	64	80	81	234
25 - 34 years	1,396	33.0	25	32.1	147	232	273	719
35 - 44 years	1,233	29.2	24	30.8	126	188	230	665
45 - 54 years	394	9.3	8	10.3	32	54	76	224
55 - 64 years	111	2.6	1	1.3	5	15	21	69
65 - 74 years	51	1.2	2	2.6	0	11	7	31
75 years and over	20	0.5	0	0.0	1	3	4	12
Not Stated	162	3.8	1	1.3	15	19	31	96
TOTAL	4,225	100.0	78	100.0	447	693	782	2,225

The fatal crash involvement for female drinking drivers is up 2.6 percent from 1995.

The tables on this page and the previous page exclude 508 drinking drivers of unknown gender.

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	1	0	0.0	1	0	0.0
Alger	0	0	0.0	0	0	0.0
Allegan	21	8	38.1	24	9	37.5
Alpena	3	1	33.3	3	1	33.3
Antrim	3	1	33.3	3	1	33.3
Arenac	12	2	16.7	14	2	14.3
Baraga	1	1	100.0	1	1	100.0
Barry	12	4	33.3	12	4	33.3
Bay	15	5	33.3	15	5	33.3
Benzie	4	0	0.0	5	0	0.0
Berrien	27	8	29.6	29	9	31.0
Branch	8	4	50.0	8	4	50.0
Calhoun	25	11	44.0	28	13	46.4
Cass	12	4	33.3	12	4	33.3
Charlevoix	2	0	0.0	2	0	0.0
Cheboygan	3	3	100.0	3	3	100.0
Chippewa	5	2	40.0	5	2	40.0
Clare	10	4	40.0	14	5	35.7
Clinton	11	5	45.5	14	8	57.1
Crawford	3	1	33.3	3	1	33.3
Delta	6	3	50.0	6	3	50.0
Dickinson	1	0	0.0	1	0	0.0
Eaton	26	5	19.2	30	6	20.0
Emmet	5	1	20.0	6	1	16.7
Genesee	58	27	46.6	69	33	47.8
Gladwin	6	3	50.0	6	3	50.0
Gogebic	3	1	33.3	4	1	25.0
Grand Traverse	10	4	40.0	12	5	41.7
Gratiot	7	2	28.6	10	2	20.0
Hillsdale	9	3	33.3	12	6	50.0
Houghton	1	0	0.0	1	0	0.0
Huron	6	4	66.7	7	4	57.1
Ingham	24	13	54.2	27	16	59.3
Ionia	12	6	50.0	15	9	60.0
Iosco	5	2	40.0	5	2	40.0
Iron	4	0	0.0	4	0	0.0
Isabella	11	6	54.5	12	7	58.3
Jackson	25	9	36.0	30	10	33.3
Kalamazoo	35	7	20.0	44	9	20.5
Kalkaska	8	2	25.0	9	2	22.2
Kent	60	17	28.3	70	17	24.3
Keweenaw	1	1	100.0	1	1	100.0
Lake	2	1	50.0	2	1	50.0
Lapeer	15	6	40.0	20	10	50.0

**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	3	1	33.3	3	1	33.3
Lenawee	21	10	47.6	25	12	48.0
Livingston	41	12	29.3	45	12	26.7
Luce	1	0	0.0	1	0	0.0
Mackinac	5	2	40.0	10	6	60.0
Macomb	72	24	33.3	73	24	32.9
Manistee	5	4	80.0	5	4	80.0
Marquette	7	3	42.9	9	4	44.4
Mason	5	1	20.0	6	1	16.7
Mecosta	8	2	25.0	9	2	22.2
Menominee	3	2	66.7	3	2	66.7
Midland	12	3	25.0	17	3	17.6
Missaukee	3	2	66.7	3	2	66.7
Monroe	29	11	37.9	32	12	37.5
Montcalm	10	3	30.0	12	3	25.0
Montmorency	2	1	50.0	2	1	50.0
Muskegon	34	12	35.3	40	15	37.5
Newaygo	9	6	66.7	10	7	70.0
Oakland	74	25	33.8	87	29	33.3
Oceana	4	1	25.0	4	1	25.0
Ogemaw	5	2	40.0	5	2	40.0
Ontonagon	5	3	60.0	5	3	60.0
Osceola	6	3	50.0	6	3	50.0
Oscoda	1	0	0.0	1	0	0.0
Otsego	4	1	25.0	4	1	25.0
Ottawa	29	5	17.2	30	5	16.7
Presque Isle	4	2	50.0	4	2	50.0
Roscommon	6	1	16.7	7	2	28.6
Saginaw	29	14	48.3	32	17	53.1
Sanilac	14	5	35.7	15	5	33.3
Schoolcraft	3	2	66.7	5	3	60.0
Shiawassee	11	8	72.7	12	9	75.0
St. Clair	35	15	42.9	36	15	41.7
St. Joseph	17	5	29.4	20	6	30.0
Tuscola	18	10	55.6	21	11	52.4
Van Buren	19	3	15.8	20	3	15.0
Washtenaw	26	13	50.0	32	16	50.0
Wayne	232	80	34.5	243	85	35.0
Wexford	9	3	33.3	12	6	50.0
Totals	1,339	487	36.4	1,505	555	36.9

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	44	0	9	10	4	21
Alger	43	0	9	7	6	21
Allegan	301	8	32	54	30	177
Alpena	82	1	10	17	9	45
Antrim	50	1	5	11	5	28
Arenac	60	2	11	12	8	27
Baraga	21	1	3	2	5	10
Barry	164	4	29	35	25	71
Bay	362	5	44	64	53	196
Benzie	30	0	2	4	6	18
Berrien	344	8	36	66	56	178
Branch	110	4	10	19	12	65
Calhoun	348	11	38	59	40	200
Cass	153	4	28	29	21	71
Charlevoix	49	0	4	10	10	25
Cheboygan	82	3	8	13	14	44
Chippewa	117	2	8	14	10	83
Clare	83	4	9	20	12	38
Clinton	130	5	17	27	11	70
Crawford	34	1	7	6	4	16
Delta	90	3	6	20	9	52
Dickinson	70	0	8	10	11	41
Eaton	210	5	26	34	27	118
Emmet	93	1	9	18	8	57
Genesee	1,480	27	73	300	259	821
Gladwin	74	3	11	13	10	37
Gogebic	38	1	3	9	4	21
Grand Traverse	166	4	12	24	26	100
Gratiot	80	2	15	15	9	39
Hillsdale	102	3	9	19	19	52
Houghton	95	0	13	16	9	57
Huron	77	4	13	7	19	34
Ingham	605	13	61	99	94	338
Ionia	191	6	34	28	21	102
Iosco	99	2	14	28	4	51
Iron	36	0	4	4	5	23
Isabella	147	6	19	21	20	81
Jackson	437	9	36	82	66	244
Kalamazoo	543	7	58	90	91	297
Kalkaska	58	2	7	10	7	32
Kent	1,083	17	99	152	169	646
Keweenaw	13	1	3	0	0	9

MOST SEVERE OUTCOME IN HBD CRASHES BY COUNTY (continued)

MOST SEVERE OUTCOME IN HBD CRASH

COUNTY	All HBD Crashes	Fatal	Injury			PDO
			A	B	C	
Lake	40	1	3	5	4	27
Lapeer	238	6	22	42	36	132
Leelanau	71	1	7	18	12	33
Lenawee	213	10	20	46	41	96
Livingston	342	12	49	48	44	189
Luce	15	0	1	3	3	8
Mackinac	55	2	9	9	10	25
Macomb	1,677	24	161	252	311	929
Manistee	51	4	5	7	8	27
Marquette	131	3	16	26	15	71
Mason	74	1	20	11	8	34
Mecosta	81	2	8	17	8	46
Menominee	82	2	12	10	14	44
Midland	152	3	15	32	16	86
Missaukee	30	2	7	8	1	12
Monroe	380	11	44	76	71	178
Montcalm	174	3	20	30	22	99
Montmorency	37	1	7	4	2	23
Muskegon	334	12	39	56	43	184
Newaygo	154	6	23	17	9	99
Oakland	2,247	25	202	347	437	1236
Oceana	97	1	12	16	12	56
Ogemaw	65	2	10	12	8	33
Ontonagon	30	3	4	2	4	17
Osceola	80	3	14	12	10	41
Oscoda	39	0	5	13	3	18
Otsego	61	1	11	11	6	32
Ottawa	349	5	36	50	72	186
Presque Isle	32	2	4	7	4	15
Roscommon	69	1	5	16	9	38
Saginaw	513	14	62	104	69	264
Sanilac	86	5	11	15	9	46
Schoolcraft	37	2	4	6	4	21
Shiawassee	166	8	20	31	19	88
St. Clair	410	15	44	78	52	221
St. Joseph	167	5	18	28	28	88
Tuscola	149	10	19	22	15	83
Van Buren	198	3	35	45	28	87
Washtenaw	562	13	57	114	111	267
Wayne	3,717	80	372	592	795	1878
Wexford	108	3	9	26	15	55
Unknown	4	0	0	0	1	3
Totals	21,911	487	2,294	3,742	3,617	11,771

**COUNTY RANKING BY HBD FATAL CRASH RATE
per 1,000 Michigan Residents**

COUNTY	1996 Population Estimate	All Crashes	Fatal Crashes	HBD Crashes	HBD Fatal Crashes	HBD Fatal Crash Rate per 1,000 people
Keweenaw	2,010	85	1	13	1	0.4975
Ontonagon	8,405	647	5	30	3	0.3569
Schoolcraft	8,653	671	3	37	2	0.2311
Mackinac	11,096	1,046	5	55	2	0.1802
Manistee	22,902	1,175	5	51	4	0.1747
Tuscola	57,837	2,572	18	149	10	0.1729
Missaukee	13,607	886	3	30	2	0.1470
Clare	28,618	1,776	10	83	4	0.1398
Presque Isle	14,407	780	4	32	2	0.1388
Osceola	22,047	1,697	6	80	3	0.1361
Newaygo	44,285	2,271	9	154	6	0.1355
Cheboygan	22,993	1,168	3	82	3	0.1305
Kalkaska	15,325	911	8	58	2	0.1305
Arenac	16,268	1,162	12	60	2	0.1229
Gladwin	24,615	1,187	6	74	3	0.1219
Baraga	8,472	612	1	21	1	0.1180
Sanilac	42,440	2,333	14	86	5	0.1178
Huron	35,281	2,190	6	77	4	0.1134
Shiawassee	72,333	2,736	11	166	8	0.1106
Isabella	57,118	3,227	11	147	6	0.1050
Wexford	28,789	1,966	9	108	3	0.1042
Lenawee	97,133	3,870	21	213	10	0.1030
Lake	9,874	699	2	40	1	0.1013
Montmorency	9,868	530	2	37	1	0.1013
Ionia	60,378	3,034	12	191	6	0.0994
St. Clair	155,636	5,662	35	410	15	0.0964
Ogemaw	20,790	1,448	5	65	2	0.0962
Branch	42,991	2,306	8	110	4	0.0930
Livingston	137,616	5,739	41	342	12	0.0872
St. Joseph	60,977	2,677	17	167	5	0.0820
Menominee	24,551	1,997	3	82	2	0.0815
Allegan	99,019	4,332	21	301	8	0.0808
Iosco	24,761	1,409	5	99	2	0.0808
Clinton	62,239	2,916	11	130	5	0.0803
Cass	50,050	2,242	12	153	4	0.0799
Calhoun	140,112	7,169	25	348	11	0.0785
Monroe	140,488	5,026	29	380	11	0.0783
Delta	39,047	2,659	6	90	3	0.0768
Barry	53,145	3,066	12	164	4	0.0753
Crawford	13,671	887	3	34	1	0.0731
Muskegon	164,913	6,385	34	334	12	0.0728
Lapeer	85,479	4,014	15	238	6	0.0702
Saginaw	211,808	9,391	29	513	14	0.0661
Hillsdale	45,887	2,474	9	102	3	0.0654
Genesee	436,128	16,677	58	1,480	27	0.0619

COUNTY RANKING BY HBD FATAL CRASH RATE per 1,000 Michigan Residents (continued)

COUNTY	1996 Population Estimate	All Crashes	Fatal Crashes	HBD Crashes	HBD Fatal Crashes	HBD Fatal Crash Rate per 1,000 people
Jackson	154,563	7,559	25	437	9	0.0582
Gogebic	17,704	673	3	38	1	0.0565
Grand Traverse	72,072	3,944	10	166	4	0.0555
Leelanau	18,430	813	3	71	1	0.0543
Chippewa	37,289	1,807	5	117	2	0.0536
Mecosta	38,460	3,071	8	81	2	0.0520
Montcalm	58,969	3,400	10	174	3	0.0509
Eaton	99,562	4,712	26	210	5	0.0502
Gratiot	39,978	1,964	7	80	2	0.0500
Berrien	161,434	6,414	27	344	8	0.0496
Antrim	20,595	1,216	3	50	1	0.0486
Marquette	62,017	3,200	7	131	3	0.0484
Otsego	21,343	1,192	4	61	1	0.0469
Ingham	285,737	12,910	24	605	13	0.0455
Bay	110,824	4,367	15	362	5	0.0451
Washtenaw	295,149	12,917	26	562	13	0.0440
Roscommon	22,847	1,250	6	69	1	0.0438
Oceana	24,379	1,217	4	97	1	0.0410
Van Buren	75,308	3,227	19	198	3	0.0398
Wayne	2,039,819	93,682	232	3,717	80	0.0392
Midland	80,669	3,292	12	152	3	0.0372
Mason	27,725	1,744	5	74	1	0.0361
Emmet	27,870	1,765	5	93	1	0.0359
Macomb	734,625	27,973	72	1,677	24	0.0327
Alpena	30,746	1,516	3	82	1	0.0325
Kent	536,103	25,544	60	1,083	17	0.0317
Kalamazoo	229,008	10,857	35	543	7	0.0306
Ottawa	215,064	8,341	29	349	5	0.0232
Oakland	1,162,098	48,423	74	2,247	25	0.0215
Alcona	10,799	866	1	44	0	0.0000
Alger	9,971	654	0	43	0	0.0000
Benzie	14,037	647	4	30	0	0.0000
Charlevoix	23,503	1,409	2	49	0	0.0000
Dickinson	27,285	1,771	1	70	0	0.0000
Houghton	36,230	1,505	1	95	0	0.0000
Iron	13,121	900	4	36	0	0.0000
Luce	6,180	394	1	15	0	0.0000
Oscoda	8,775	526	1	39	0	0.0000
Unknown		108	0	4	0	
State Totals	9,594,350	435,477	1,339	21,911	487	0.05076

Summary of Michigan's "Zero Tolerance" Law

Public Act 211 of 1994 makes it a crime for a person under the age of 21 to have any Bodily Alcohol Content (BAC) while operating a motor vehicle.

The presumptive levels for this statute are 0.02g - 0.07g BAC.

Persons Arrested since law began 11/1/94 (as of 10/9/97) **3,707**

Other Statewide OUIL Arrests for Under Age 21 (not related to "Zero Tolerance" law)

	Total	Change		Total (All Ages)
*1997	3,196	-4.4%	7.8% of Total OUIL Arrests	41,160
1996	3,342	-15.1%	8.1% of Total OUIL Arrests	41,340
1995	3,937	68.8%	9.7% of Total OUIL Arrests	40,447
1994	2,332	-27.0%	6.4% of Total OUIL Arrests	36,327

For comparison purposes, data is for January-August for each year shown

Drivers Under Age 21 Involved in Traffic Crashes (by Crash Type)

	Total	Change	Fatal	Change	Injury	Change	Property	Change	
*1997	63,264	-7.9%	125	-36.5%	17,529	-9.5%	45,610	-7.2%	Total
	1,187	-17.5%	20	-44.4%	524	-22.3%	643	-11.7%	HBD
1996	68,713	-35.8%	197	-39.2%	19,371	-37.0%	49,145	-35.3%	Total
	1,438	-34.2%	36	-33.3%	674	-34.1%	728	-34.4%	HBD
1995	107,092	7.3%	324	0.6%	30,761	3.5%	76,007	9.0%	Total
	2,185	-7.5%	54	1.9%	1,022	-8.8%	1,109	-6.7%	HBD
1994	99,772		322		29,734		69,716		Total
	2,362		53		1,120		1,189		HBD

For comparison purposes, data is for January-August for each year shown

*1997 data is incomplete, and is subject to change as new or revised data is reported

NOTE: Data includes only those Traffic Crash Reports (UD-10s) received and processed as of 10/9/97

HBD = Had Been Drinking (or Using Drugs)

HNBD = Had NOT Been Drinking (or Using Drugs)

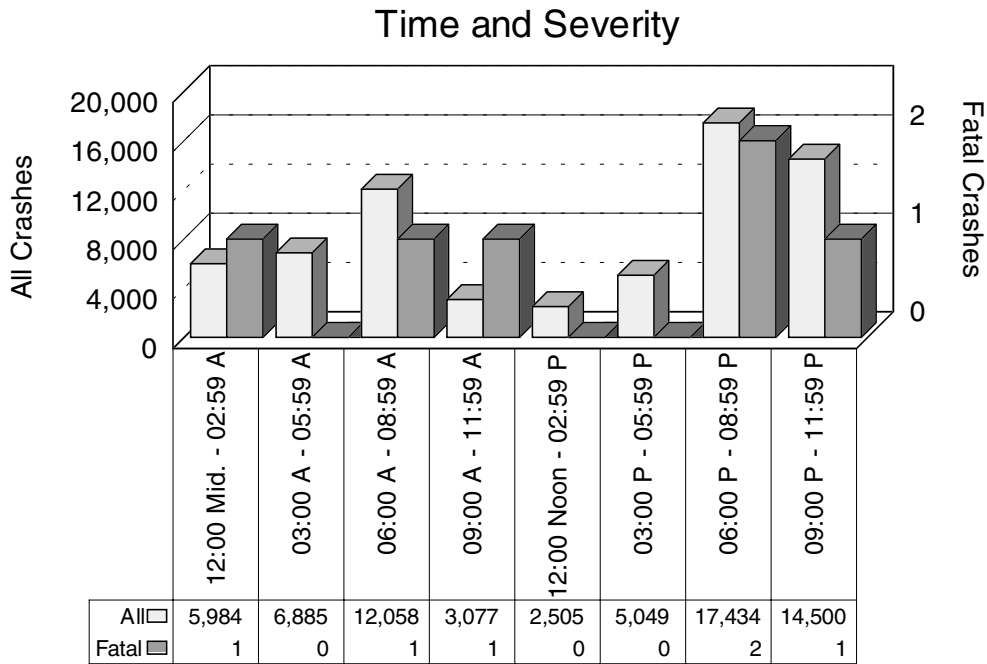
Source: Michigan Department of State Police, Office of Highway Safety Planning

Data Run 10/9/97

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

LIGHT CONDITION	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Daylight	13,156	19.3	4	66.7	47	178	305	12,622
Dawn	5,499	8.1	0	0.0	5	41	92	5,361
Dusk	3,546	5.2	0	0.0	8	42	52	3,444
Dark - Lighted	2,044	3.0	0	0.0	3	16	40	1,985
Dark - Unlighted	43,279	63.4	2	33.3	77	292	697	42,211
Other/Unknown	709	1.0	0	0.0	0	4	10	695
Totals	68,233	100.0	6	100.0	140	573	1,196	66,318

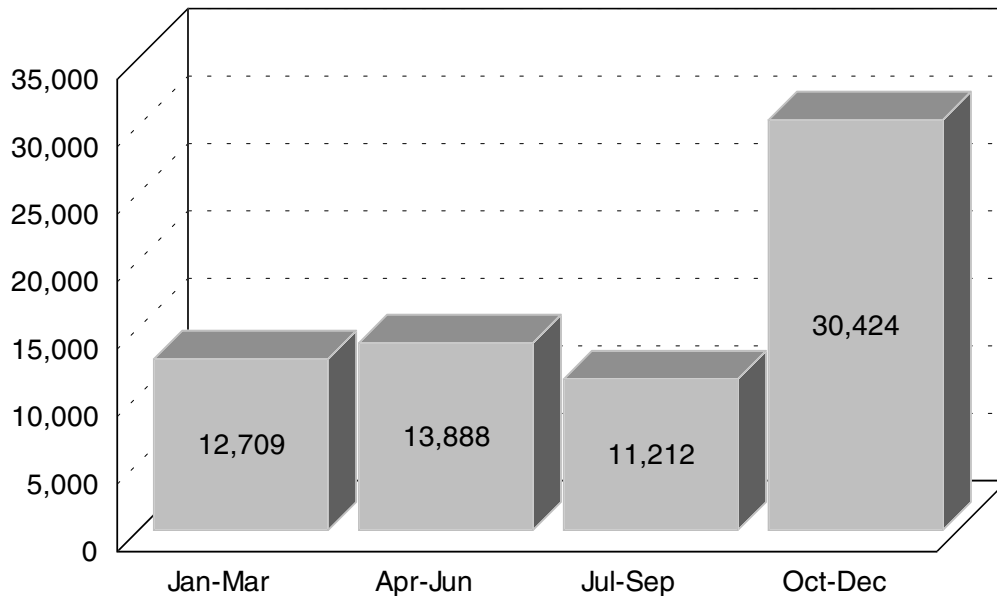
Four of the six fatal deer crashes in Michigan in 1996 occurred in daylight conditions. All motor vehicle-deer involved/associated crashes peaked during the 6:00 - 8:59 PM time period. There were 2 fatal deer crashes during this time period.



MONTHLY AND SEASONAL RATES FOR MOTOR VEHICLE-DEER CRASHES

MONTH	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
January	4,987	7.3	0	0.0	2	24	80	4,881
February	3,643	5.3	0	0.0	7	21	61	3,554
March	4,079	6.0	0	0.0	7	14	68	3,990
April	3,992	5.9	1	16.7	8	24	55	3,904
May	4,701	6.9	1	16.7	14	50	101	4,535
June	5,195	7.6	1	16.7	16	88	106	4,984
July	3,804	5.6	0	0.0	14	50	81	3,659
August	2,950	4.3	0	0.0	21	46	56	2,827
September	4,458	6.5	0	0.0	10	53	79	4,316
October	10,199	14.9	3	50.0	20	76	182	9,918
November	13,329	19.5	0	0.0	15	96	232	12,986
December	6,896	10.1	0	0.0	6	31	95	6,764
Totals	68,233	100.0	6	100.0	140	573	1,196	66,318

All Motor Vehicle-Deer Crashes



Crashes involving deer occurred most frequently during the second quarter (20.4%) and the fourth quarter (44.6%) of the year for a total of 65 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	604	0	18	586	0	78	116	410	0	23
Alger	242	0	8	234	0	27	123	92	0	9
Allegan	1,142	0	38	1,104	76	74	173	819	0	43
Alpena	578	0	17	561	0	81	116	381	0	19
Antrim	629	0	15	614	0	117	120	392	0	20
Arenac	490	1	13	476	32	134	30	294	1	16
Baraga	322	0	8	314	0	117	59	146	0	10
Barry	1,566	0	39	1,527	0	0	520	1,046	0	46
Bay	388	0	10	378	24	13	73	278	0	10
Benzie	304	0	6	298	0	80	39	185	0	8
Berrien	751	0	35	716	113	149	66	423	0	42
Branch	986	0	44	942	86	74	61	765	0	60
Calhoun	1,895	0	43	1,852	224	0	282	1,389	0	54
Cass	887	0	31	856	0	64	288	535	0	37
Charlevoix	628	0	19	609	0	181	91	356	0	27
Cheboygan	440	0	11	429	62	41	102	235	0	13
Chippewa	586	0	15	571	37	0	241	308	0	16
Clare	797	0	18	779	0	182	143	472	0	20
Clinton	1,002	0	19	983	122	104	50	726	0	23
Crawford	410	0	6	404	63	4	153	190	0	7
Delta	1,183	0	29	1,154	0	305	215	663	0	32
Dickinson	876	1	15	860	0	215	285	376	1	20
Eaton	1,468	0	40	1,428	144	40	392	892	0	44
Emmet	547	0	6	541	0	132	45	370	0	9
Genesee	1,202	0	40	1,162	124	23	153	902	0	44
Gladwin	685	0	18	667	0	0	274	411	0	20
Gogebic	135	0	1	134	0	73	18	44	0	1
Grand Traverse	511	0	18	493	0	53	80	378	0	23
Gratiot	786	0	14	772	0	125	132	529	0	16
Hillsdale	1,027	0	25	1,002	0	112	164	751	0	26
Houghton	266	0	9	257	0	60	88	118	0	12
Huron	1,332	0	23	1,309	0	0	496	836	0	25
Ingham	1,366	2	29	1,335	108	93	179	986	2	34
Ionia	1,202	0	29	1,173	83	0	274	845	0	34
Iosco	641	0	24	617	0	67	202	372	0	26
Iron	525	0	12	513	0	149	189	187	0	13
Isabella	1,230	0	25	1,205	0	141	165	924	0	25
Jackson	1,995	0	54	1,941	92	129	322	1,452	0	60
Kalamazoo	1,511	0	38	1,473	65	123	111	1,212	0	43
Kalkaska	354	0	8	346	0	41	97	216	0	10
Kent	2,223	0	63	2,160	135	115	377	1,596	0	71
Keweenaw	23	0	2	21	0	6	5	12	0	2
Lake	379	0	12	367	0	84	80	215	0	14
Lapeer	1,326	0	45	1,281	94	0	262	970	0	46
Leelanau	321	0	8	313	0	0	122	199	0	11
Lenawee	884	0	29	855	0	194	190	500	0	32

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	1,334	0	46	1,288	114	70	165	985	0	52
Luce	208	0	6	202	0	0	122	86	0	7
Mackinac	566	0	17	549	88	118	165	195	0	20
Macomb	599	0	31	568	21	0	105	473	0	34
Manistee	527	0	7	520	0	105	131	291	0	9
Marquette	670	0	28	642	0	165	120	385	0	31
Mason	854	0	21	833	0	260	17	577	0	23
Mecosta	1,739	0	30	1,709	0	303	336	1,100	0	31
Menominee	1,227	0	32	1,195	0	396	148	683	0	37
Midland	937	0	25	912	0	69	91	777	0	31
Missaukee	555	0	10	545	0	0	173	382	0	12
Monroe	333	0	21	312	36	75	20	202	0	21
Montcalm	1,623	0	35	1,588	0	52	482	1,089	0	42
Montmorency	287	0	7	280	0	0	129	158	0	7
Muskegon	699	0	21	678	16	76	66	541	0	22
Newaygo	936	0	12	924	0	0	277	659	0	16
Oakland	1,500	0	62	1,438	132	14	159	1,195	0	68
Oceana	555	0	19	536	0	132	40	383	0	21
Ogemaw	811	0	14	797	91	0	226	494	0	17
Ontonagon	396	0	10	386	0	99	177	120	0	10
Osceola	966	0	27	939	0	219	143	604	0	33
Oscoda	299	0	1	298	0	0	121	178	0	1
Otsego	238	0	3	235	41	0	25	172	0	5
Ottawa	1,143	0	36	1,107	99	51	109	884	0	44
Presque Isle	472	1	10	461	0	126	106	240	1	11
Roscommon	541	0	15	526	54	54	95	338	0	18
Saginaw	1,039	0	40	999	42	0	286	711	0	45
Sanilac	1,354	1	38	1,315	0	0	447	907	1	45
Schoolcraft	333	0	11	322	0	106	134	93	0	15
Shiawassee	914	0	33	881	107	0	202	605	0	37
St. Clair	923	0	36	887	105	0	145	673	0	43
St. Joseph	758	0	24	734	0	103	177	478	0	27
Tuscola	1,052	0	21	1,031	0	0	320	732	0	26
Van Buren	827	0	40	787	104	0	201	522	0	54
Washtenaw	1,455	0	47	1,408	92	139	130	1,094	0	55
Wayne	361	0	27	334	52	19	24	266	0	35
Wexford	524	0	17	507	0	62	200	262	0	20
UNKNOWN	33	0	0	33	0	0	0	33	0	0
Totals	68,233	6	1,909	66,318	2,878	6,613	13,777	44,965	6	2,221

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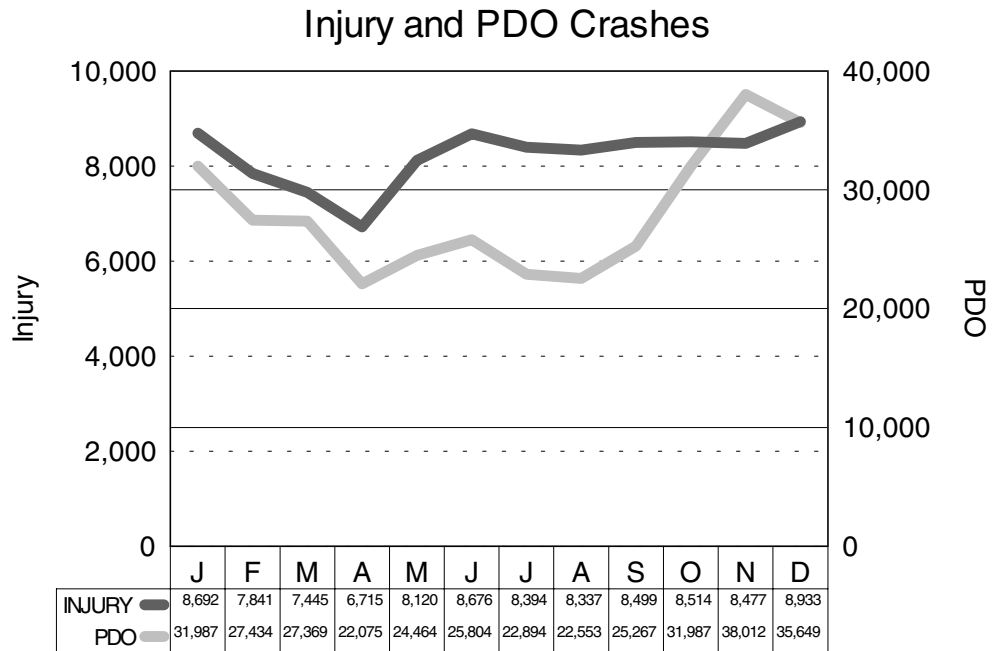
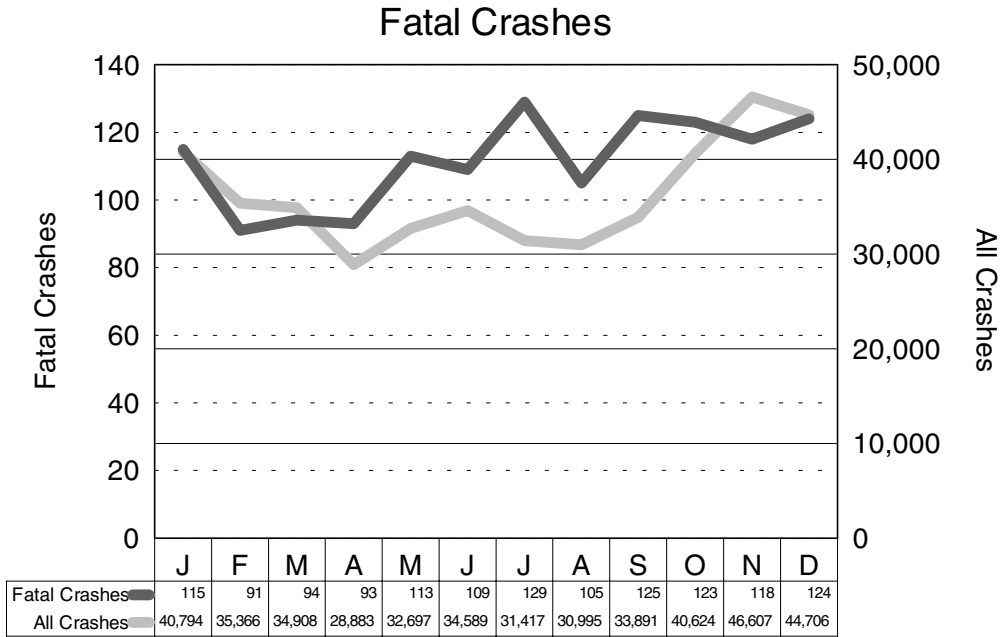
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Crash

ALL CRASHES INJURY SEVERITY BY MONTH



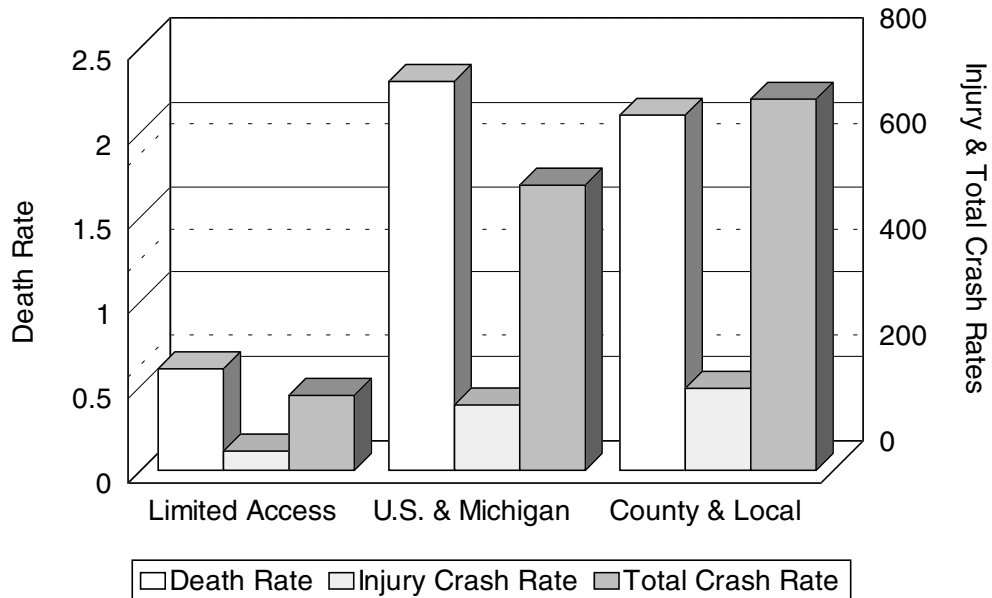
The charts on this page show that the months of June through September are peak months in terms of the ratio of the number of crashes involving death or injury to the number of noninjury crashes. That is, if a person was in a motor vehicle crash during one of these months there was a higher chance of 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. 1996 estimated mileage figures were provided by the Michigan Department of Transportation [9].

STATEWIDE	Estimated Mileage (Billions)	All Crashes	Injury Crashes	Deaths	Total Crash Rate	Injury Crash Rate	Death Rate
Limited Access Roadways	26.2	37,125	9,512	147	141.7	36.3	0.6
U.S. & Michigan Roads	20.6	111,146	25,525	479	539.5	123.9	2.3
County & City Roads	40.9	287,206	63,606	879	702.2	155.5	2.1
Totals	87.7	435,477	98,643	1,505	496.6	112.5	1.7

Rates per 100 Million Vehicle Miles



CRASH TYPE

CRASH TYPE	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	133,997	30.8	595	44.4	4,182	8,461	10,877	109,882
Head On	9,722	2.2	179	13.4	893	1,191	1,393	6,066
Head On - Left Turn	13,767	3.2	46	3.4	865	1,725	3,027	8,104
Angle	88,266	20.3	335	25.0	3,467	6,846	15,572	62,046
Rear End	101,474	23.3	70	5.2	1,603	4,149	22,200	73,452
Rear End - Left Turn	4,900	1.1	6	0.4	120	289	1,002	3,483
Rear End - Right Turn	3,374	0.8	2	0.1	32	83	554	2,703
Sideswipe - Same Direction	35,888	8.2	20	1.5	329	757	2,401	32,381
Sideswipe - Opposite Direct	12,902	3.0	19	1.4	189	425	1,099	11,170
Other	24,353	5.6	57	4.3	637	1,102	1,966	20,591
Unknown	6,834	1.6	10	0.7	164	301	742	5,617
Totals	435,477	100.0	1,339	100.0	12,481	25,329	60,833	335,495

Single Vehicle, Head On, and Angle crash types produce the highest number of fatal crashes (82.8%). Single Vehicle crashes include rollovers, which are particularly deadly crash types. Rear End - Turning and Sideswipe crashes produce the lowest number of fatal crashes (3.4%).

RELATION TO ROADWAY

LOCATION OF FIRST IMPACT	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	370,652	85.1	931	69.5	9,255	18,797	52,315	289,354
Median	2,599	0.6	12	0.9	155	273	402	1,757
Shoulder	18,198	4.2	89	6.6	781	1,571	2,200	13,557
Outside of Shoulder/Curb	34,738	8.0	264	19.7	1,942	4,011	4,817	23,704
Gore	745	0.2	2	0.1	42	90	91	520
Other/Unknown	8,545	2.0	41	3.1	306	587	1,008	6,603
Totals	435,477	100.0	1,339	100.0	12,481	25,329	60,833	335,495

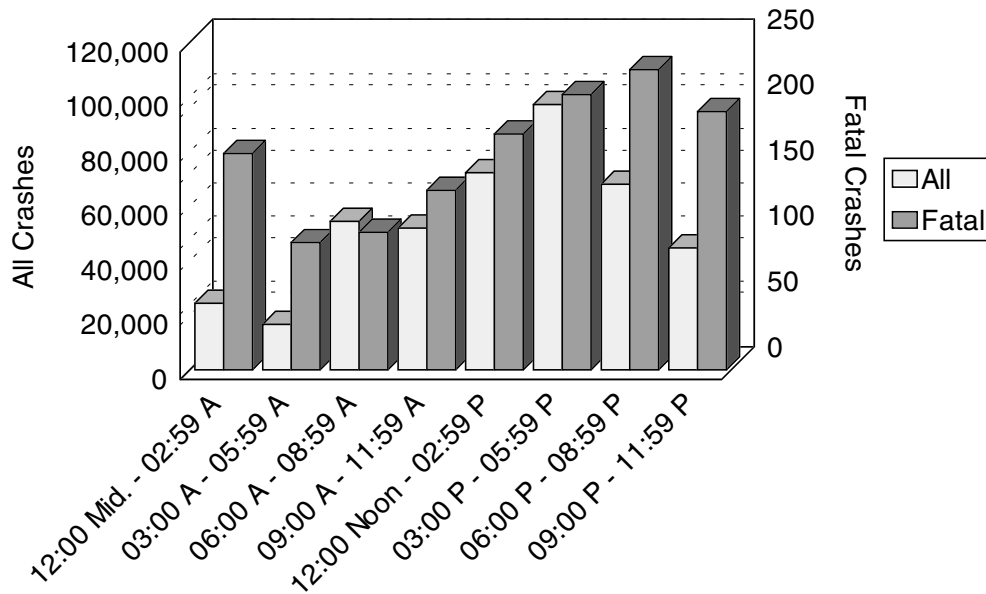
Crashes that happen outside of the normal driving lanes are overrepresented in the fatal count. Only 8.0 percent of crashes occur outside the shoulder of the road, but these crashes account for 19.7 percent of the fatal crashes.



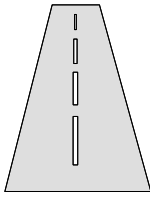
TIME AND SEVERITY

TIME OF DAY	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
12:00 mid. - 02:59 a.m.	24,321	5.6	165	12.3	1,091	2,111	2,566	18,388
03:00 a.m. - 05:59 a.m.	16,656	3.8	97	7.2	556	1,006	1,410	13,587
06:00 a.m. - 08:59 a.m.	54,316	12.5	105	7.8	1,181	2,445	7,076	43,509
09:00 a.m. - 11:59 a.m.	51,902	11.9	137	10.2	1,428	2,822	7,895	39,620
12:00 noon - 02:59 p.m.	72,165	16.6	180	13.4	2,037	4,248	12,191	53,509
03:00 p.m. - 05:59 p.m.	97,161	22.3	210	15.7	2,704	5,879	15,831	72,537
06:00 p.m. - 08:59 p.m.	67,971	15.6	229	17.1	1,909	3,882	8,433	53,518
09:00 p.m. - 11:59 p.m.	44,577	10.2	197	14.7	1,442	2,653	4,735	35,550
Unknown	6,408	1.5	19	1.4	133	283	696	5,277
Total	435,477	100.0	1,339	100.0	12,481	25,329	60,833	335,495

Time and Severity



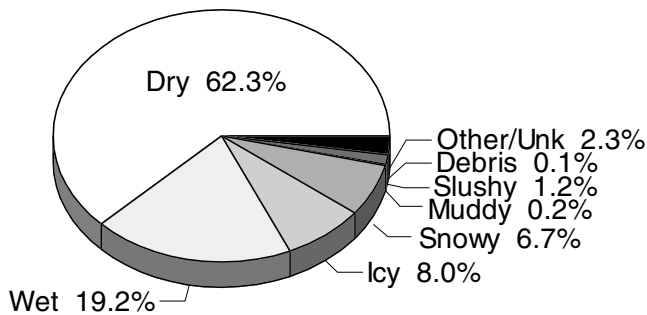
Crash frequencies peak in the late afternoon, then drop off steadily until 6:00 AM (the morning rush hour). Fatal crash frequencies rise with the frequency of other crashes, but continue at a high rate well into the early morning hours. There are proportionally more fatal crashes during the midnight to 2:59 AM time period.



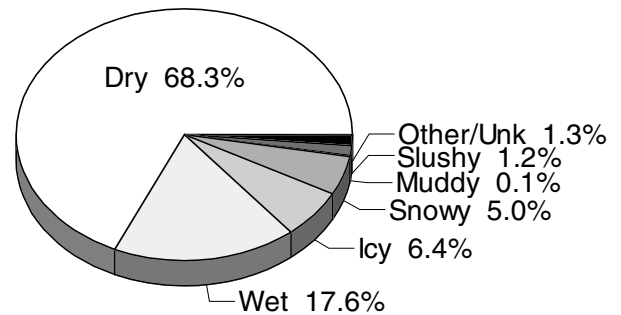
ROAD CONDITION

ROAD SURFACE CONDITION	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Dry	271,356	62.3	915	68.3	8,367	16,681	37,641	207,752
Wet	83,826	19.2	235	17.6	2,231	4,717	13,609	63,034
Icy	34,994	8.0	86	6.4	895	1,797	4,518	27,698
Snowy	29,356	6.7	67	5.0	599	1,311	3,182	24,197
Muddy	741	0.2	2	0.1	23	49	97	570
Slushy	5,059	1.2	16	1.2	177	318	770	3,778
Debris	261	0.1	0	0.0	11	29	35	186
Other/Unknown	9,884	2.3	18	1.3	178	427	981	8,280
Totals	435,477	100.0	1,339	100.0	12,481	25,329	60,833	335,495

ALL CRASHES



FATAL CRASHES



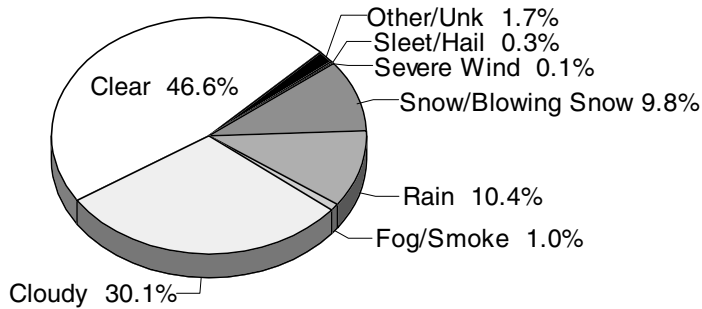
Most crashes (62.3%) and most fatal crashes (68.3%) occur on dry roads. This indicates that Michigan drivers do a good job of adjusting their driving behavior for bad road conditions.



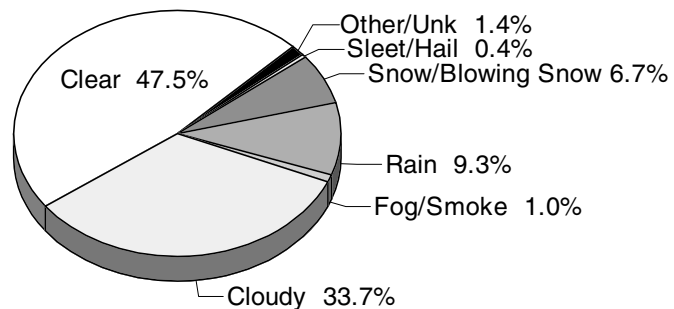
WEATHER CONDITION

WEATHER CONDITION	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Clear	203,138	46.6	636	47.5	6,363	12,487	27,875	155,777
Cloudy	131,169	30.1	451	33.7	3,621	7,566	18,442	101,089
Fog/Smoke	4,180	1.0	13	1.0	117	226	456	3,368
Rain	45,336	10.4	124	9.3	1,252	2,669	7,727	33,564
Snow/Blowing Snow	42,600	9.8	90	6.7	973	2,030	5,437	34,070
Severe Wind	466	0.1	0	0.0	12	16	70	368
Sleet/Hail	1,149	0.3	6	0.4	30	80	160	873
Other/Unknown	7,439	1.7	19	1.4	113	255	666	6,386
Totals	435,477	100.0	1,339	100.0	12,481	25,329	60,833	335,495

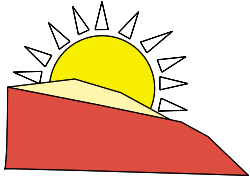
ALL CRASHES



FATAL CRASHES



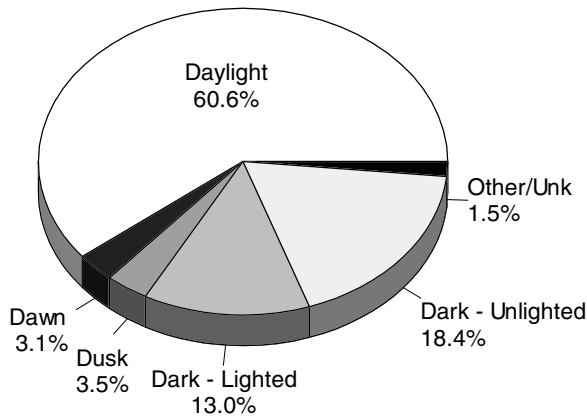
The majority of all crashes occur in good weather (46.6%) as do the majority of fatal crashes (47.5%).



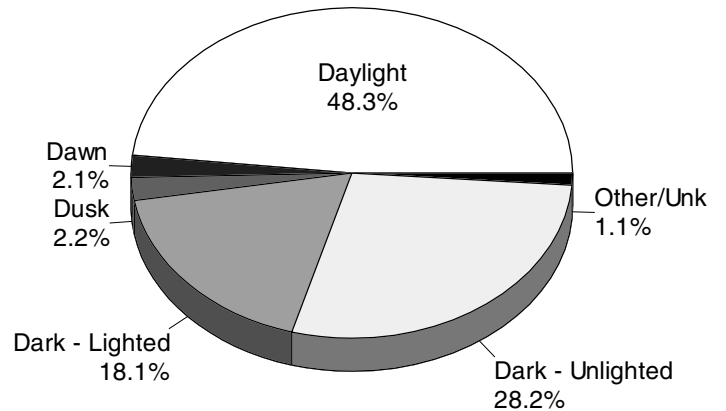
LIGHT CONDITION

LIGHT CONDITION	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Daylight	263,767	60.6	647	48.3	7,582	15,976	42,775	196,787
Dawn	13,666	3.1	28	2.1	256	529	1,345	11,508
Dusk	15,024	3.5	29	2.2	402	787	1,793	12,013
Dark - Lighted	56,506	13.0	243	18.1	2,089	4,025	8,684	41,465
Dark - Unlighted	79,947	18.4	377	28.2	2,043	3,805	5,633	68,089
Other/Unknown	6,567	1.5	15	1.1	109	207	603	5,633
Totals	435,477	100.0	1,339	100.0	12,481	25,329	60,833	335,495

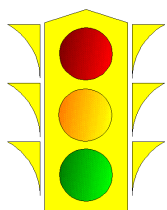
ALL CRASHES



FATAL CRASHES



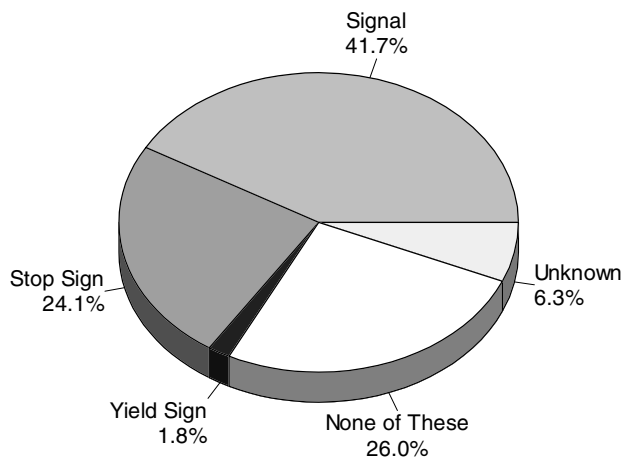
The majority (60.6%) of all crashes happen during daylight hours. Dark conditions create the greatest hazard, as they are overrepresented in fatal crashes. Areas without street lights have the highest fatality rate.



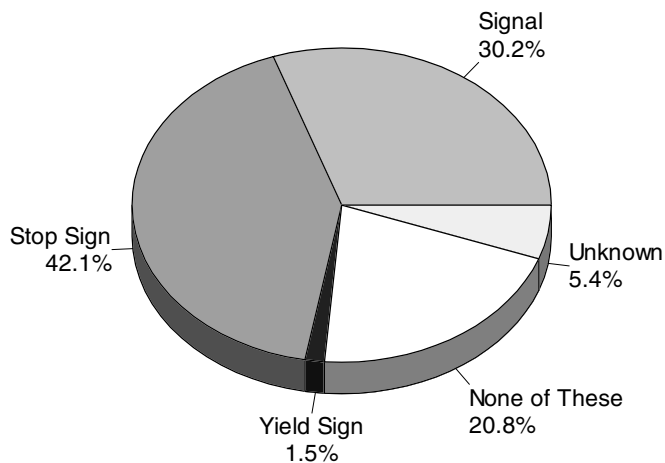
INTERSECTION CRASHES BY TRAFFIC CONTROL TYPE

TRAFFIC CONTROL TYPE	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Signal	65,460	41.7	122	30.2	2,049	4,379	13,744	45,166
Stop Sign	37,873	24.1	170	42.1	1,453	3,030	6,546	26,674
Yield Sign	2,898	1.8	6	1.5	87	211	560	2,034
None of These	40,781	26.0	84	20.8	1,073	2,600	6,470	30,554
Unknown	9,904	6.3	22	5.4	299	545	1,544	7,494
Totals	156,916	100.0	404	100.0	4,961	10,765	28,864	111,922

ALL CRASHES



FATAL CRASHES



Intersections with stop signs are overrepresented in fatal crashes. Driver perception, awareness, and adherence to traffic control signing are all key factors in crashes at intersections.



CONSTRUCTION ZONE CRASHES

CONSTRUCTION ZONE TYPE	All Crashes		Fatal Crashes		Injury Crashes			PDO Crashes
	Number	% of Total	Number	% of Fatal	A	B	C	
Construction/Maintenance								
Activity - On Road								
Lane Closed	2,285	42.9	6	42.9	41	105	376	1,757
Lane Open	725	13.6	1	7.1	25	34	106	559
Unk Lane Closure	144	2.7	1	7.1	4	7	24	108
Activity - Off Road								
Lane Closed	254	4.8	0	0.0	2	11	47	194
Lane Open	557	10.5	0	0.0	13	28	100	416
Unk Lane Closure	43	0.8	0	0.0	0	3	5	35
Activity - None								
Lane Closed	585	11.0	1	7.1	21	42	97	424
Lane Open	439	8.2	2	14.3	14	26	71	326
Unk Lane Closure	29	0.5	0	0.0	0	1	3	25
Activity - Unknown								
Lane Closed	103	1.9	2	14.3	0	5	16	80
Lane Open	37	0.7	1	7.1	0	2	4	30
Unk Lane Closure	126	2.4	0	0.0	1	4	20	101
Sub-Total	5,327	100.0	14	100.0	121	268	869	4,055
Utility								
Activity - On Road								
Lane Closed	153	31.6	0	0.0	5	5	29	114
Lane Open	78	16.1	0	0.0	3	5	17	53
Unk Lane Closure	6	1.2	0	0.0	0	0	2	4
Activity - Off Road								
Lane Closed	33	6.8	0	0.0	2	3	9	19
Lane Open	60	12.4	0	0.0	3	4	10	43
Unk Lane Closure	4	0.8	0	0.0	0	0	2	2
Activity - None								
Lane Closed	16	3.3	0	0.0	1	1	3	11
Lane Open	43	8.9	0	0.0	1	1	5	36
Unk Lane Closure	0	0.0	0	0.0	0	0	0	0
Activity - Unknown								
Lane Closed	4	0.8	0	0.0	0	1	0	3
Lane Open	7	1.4	0	0.0	0	1	1	5
Unk Lane Closure	80	16.5	2	100.0	2	3	11	62
Sub-Total	484	100.0	2	100.0	17	24	89	352
Total	5,811		16		138	292	958	4,407

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**Vehicle/
Driver**



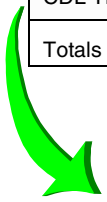
VEHICLE TYPE CRASH INVOLVEMENT



MOST SEVERE OUTCOME IN CRASH

MOST SEVERE OUTCOME IN VEHICLE

Vehicle Types	Motor Vehicles		Fatal Crash		Injury	PDO	Fatality in Veh		Injury	No Injury
	Number	% of Total	Number	% of Total			Number	% of Total		
Passenger Car and Station Wagon	530,931	70.6	1404	63.0	134,925	394,602	830	71.2	87,474	442,627
Van and Motorhome	55,842	7.4	152	6.8	13,121	42,569	60	5.2	7,118	48,664
Pickup	104,963	14.0	367	16.5	22,424	82,172	157	13.5	11,915	92,891
Small Truck (under 10,000 lbs.)	11,100	1.5	28	1.3	2,531	8,541	8	0.7	1,344	9,748
Cycle	2,468	0.3	61	2.7	1,892	515	59	5.1	1,860	549
Moped	296	0.0	1	0.0	219	76	1	0.1	208	87
Go Cart	7	0.0	0	0.0	4	3	0	0.0	3	4
Snowmobile	499	0.1	16	0.7	290	193	13	1.1	263	223
Off Road Vehicle	205	0.0	8	0.4	148	49	8	0.7	139	58
Other	1,899	0.3	9	0.4	412	1,478	5	0.4	160	1,734
Uncoded	23,203	3.1	25	1.1	2,712	20,466	8	0.7	588	22,607
CDL Truck/Bus (breakdown below)	20,391	2.7	158	7.1	4,358	15,875	16	1.4	1,147	19,228
Totals	751,804	100.0	2,229	100.0	183,036	566,539	1,165	100.0	112,219	638,420



CDL Truck/Bus Sub-category Types

Sub-category Types	Motor Vehicles		Fatal Crash		Injury	PDO	Fatality in Veh		Injury	No Injury
	Number	% of Total	Number	% of Total			Number	% of Total		
Uncoded Truck	2,526	12.4	7	4.4	423	2,096	0	0.0	96	2,430
Commercial Vehicle: Group A	9,353	45.9	91	57.6	2,071	7,191	9	56.3	460	8,884
Commercial Vehicle: Group B	4,438	21.8	36	22.8	1,019	3,383	4	25.0	368	4,066
Commercial Vehicle: Group C	566	2.8	4	2.5	107	455	0	0.0	50	516
Other Truck	1,113	5.5	6	3.8	229	878	3	18.8	72	1,038
Unknown Truck	2,395	11.7	14	8.9	509	1,872	0	0.0	101	2,294
Totals	20,391	100.0	158	100.0	4,358	15,875	16	100.0	1,147	19,228

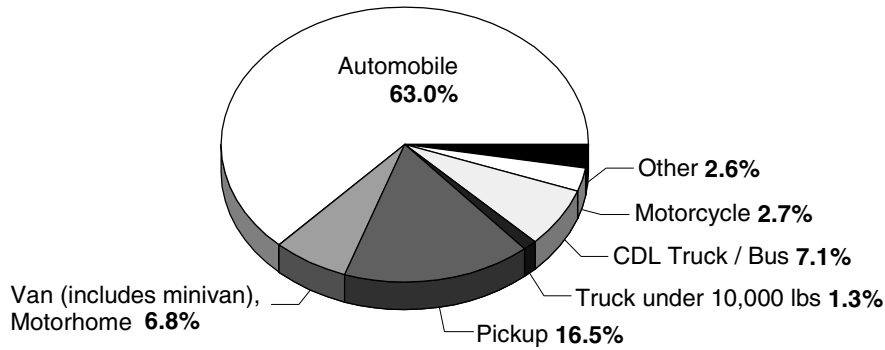
Group "A" is any vehicle that is towing a vehicle or trailer that has a gross vehicle weight rating (GVWR) over 10,000 lbs.

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.

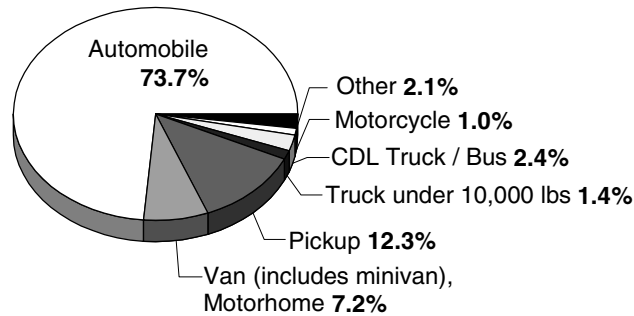
VEHICLE TYPES IN CRASHES BY CRASH SEVERITY

FATAL



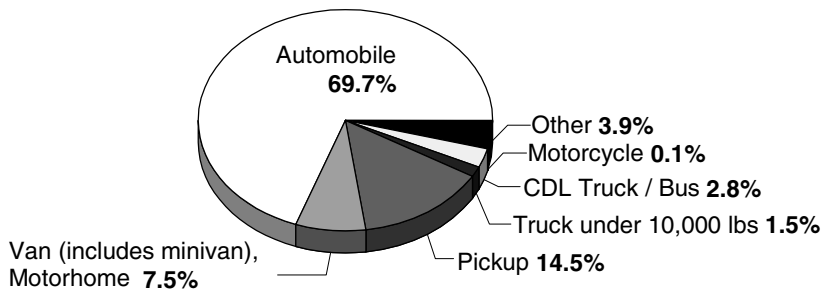
The top chart shows that 4 out of 5 vehicles involved in fatal crashes are automobiles or pickups. Van, Motorhome, the vehicle type that includes the popular minivan, has a fatal crash involvement of 6.8 percent.

INJURY



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.

PROPERTY DAMAGE ONLY



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	387,356	51.5	1,653	13,597	25,631	58,965	287,510
Turning left	58,386	7.8	125	2,136	4,551	10,057	41,517
Turning right	21,520	2.9	17	356	893	2,506	17,748
Stopped on roadway	71,682	9.5	73	1,271	3,499	17,057	49,782
In prior crash	1,356	0.2	6	53	95	269	933
Changing lanes	16,729	2.2	33	301	601	1,792	14,002
Backing	18,884	2.5	8	106	224	751	17,795
Slowing/stopping on roadway	59,463	7.9	50	861	2,354	12,928	43,270
Slowing/stopping other	956	0.1	0	16	49	182	709
Starting up on roadway	13,497	1.8	30	369	778	2,426	9,894
Starting up other	478	0.1	2	17	28	74	357
Entering parking	1,124	0.1	0	9	28	79	1,008
Leaving parking	3,179	0.4	2	48	134	372	2,623
Entering roadway	11,136	1.5	22	310	711	1,692	8,401
Leaving roadway	1,683	0.2	22	110	183	215	1,153
Making U-turn	1,954	0.3	3	82	99	298	1,472
Overtaking or passing	7,155	1.0	36	283	447	789	5,600
Avoiding object	2,130	0.3	4	69	232	337	1,488
Avoiding pedestrian	213	0.0	4	28	24	43	114
Avoiding vehicle (front/back)	6,374	0.8	49	216	496	1,121	4,492
Avoiding vehicle (angle)	2,774	0.4	7	108	225	454	1,980
Driverless moving	576	0.1	0	14	26	28	508
Parked	31,998	4.3	33	495	994	1,434	29,042
Crossing at intersection	94	0.0	2	11	10	23	48
Crossing not at intersection	49	0.0	2	15	8	12	12
Getting on/off vehicle	12	0.0	0	1	3	0	8
In roadway with traffic	15	0.0	0	2	2	3	8
In roadway against traffic	11	0.0	0	3	0	2	6
Standing/lying in roadway	9	0.0	0	2	2	1	4
Pushing/working on vehicle	16	0.0	0	2	2	1	11
Other working in roadway	5	0.0	1	0	1	0	3
Playing in roadway	6	0.0	0	2	0	1	3
In roadway other reason	20	0.0	0	3	2	5	10
Not in roadway	13	0.0	0	1	1	0	11
Other	642	0.1	2	24	45	87	484
Unknown	30,309	4.0	43	654	1,264	3,815	24,533
TOTAL	751,804	100.0	2,229	21,575	43,642	117,819	566,539

ACTION PRIOR TO CRASH (continued)

MOTORCYCLIST – INJURY SEVERITY

MOTORCYCLIST ACTION	All Motorcycles		All Motorcyclists		Fatal	Injury			No Injury
	Number	% of Total	Number	% of Total		A	B	C	
Going straight ahead	1,638	66.4	1,910	66.2	46	470	642	413	286
Turning left	102	4.1	121	4.2	2	26	39	18	32
Turning right	106	4.3	119	4.1	0	15	39	33	27
Stopped on roadway	106	4.3	122	4.2	1	9	14	38	56
In prior crash	0	0.0	1	0.0	0	1	0	0	0
Changing lanes	37	1.5	40	1.4	1	8	12	7	10
Backing	2	0.1	2	0.1	0	0	0	0	2
Slowing/stopping on roadway	119	4.8	134	4.6	2	16	48	34	34
Slowing/stopping other	4	0.2	5	0.2	0	2	0	0	3
Starting up on roadway	25	1.0	27	0.9	0	6	8	8	5
Starting up other	2	0.1	2	0.1	0	0	0	2	0
Entering parking	0	0.0	0	0.0	0	0	0	0	0
Leaving parking	1	0.0	1	0.0	0	0	1	0	0
Entering roadway	21	0.9	34	1.2	0	6	10	12	5
Leaving roadway	11	0.4	11	0.4	1	2	3	2	3
Making U-turn	4	0.2	4	0.1	0	0	1	1	2
Overtaking or passing	71	2.9	83	2.9	3	38	23	11	8
Avoiding object	28	1.1	29	1.0	0	1	16	6	6
Avoiding pedestrian	3	0.1	3	0.1	0	0	0	0	3
Avoiding vehicle (front/back)	52	2.1	57	2.0	2	5	18	22	10
Avoiding vehicle (angle)	38	1.5	45	1.6	0	9	18	13	4
Driverless moving	1	0.0	1	0.0	0	0	0	1	0
Parked	34	1.4	34	1.2	0	1	0	0	6
Crossing at intersection	1	0.0	8	0.3	0	0	2	4	2
Crossing not at intersection	0	0.0	6	0.2	1	1	1	1	2
Getting on/off vehicle	0	0.0	0	0.0	0	0	0	0	0
In roadway with traffic	0	0.0	3	0.1	0	1	2	0	0
In roadway against traffic	0	0.0	1	0.0	0	0	1	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	3	0.1	0	2	1	0	0
In roadway other reason	0	0.0	2	0.1	0	0	0	2	0
Not in roadway	0	0.0	1	0.0	0	0	1	0	0
Other	4	0.2	9	0.3	0	2	3	1	0
Unknown	58	2.4	69	2.4	3	12	18	17	11
TOTAL	2,468	100.0	2,887*	100.0	62	633	921	646	517

* Includes 108 motorcyclists (drivers and passengers) with unknown injury severity

ACTION PRIOR TO CRASH (continued)

BICYCLIST - INJURY SEVERITY

BICYCLIST ACTION	All Bicycles		Fatal	Injury			No Injury
	Number	% of Total		A	B	C	
Going straight ahead	1,636	52.9	15	161	598	579	233
Turning left	90	2.9	2	18	33	30	6
Turning right	37	1.2	0	6	15	8	6
Stopped on roadway	12	0.4	0	4	2	2	3
In prior crash	1	0.0	0	1	0	0	0
Changing lanes	39	1.3	2	5	9	15	6
Backing	2	0.1	0	0	1	1	0
Slowing/stopping on roadway	9	0.3	0	1	7	1	0
Slowing/stopping other	7	0.2	1	1	1	3	1
Starting up on roadway	32	1.0	0	5	10	14	3
Starting up other	4	0.1	0	0	1	2	1
Entering parking	6	0.2	0	3	1	0	2
Leaving parking	5	0.2	0	0	0	4	1
Entering roadway	235	7.6	2	33	105	64	25
Leaving roadway	11	0.4	0	3	3	4	1
Making U-turn	9	0.3	0	2	2	5	0
Overtaking or passing	5	0.2	0	0	4	1	0
Avoiding object	4	0.1	0	0	0	2	2
Avoiding pedestrian	0	0.0	0	0	0	0	0
Avoiding vehicle (front/back)	13	0.4	0	0	5	4	3
Avoiding vehicle (angle)	12	0.4	0	1	3	6	2
Driverless moving	0	0.0	0	0	0	0	0
Parked	1	0.0	0	0	0	1	0
Crossing at intersection	380	12.3	4	35	130	136	71
Crossing not at intersection	161	5.2	5	32	57	47	15
Getting on/off vehicle	0	0.0	0	0	0	0	0
In roadway with traffic	47	1.5	1	8	20	14	2
In roadway against traffic	41	1.3	0	5	17	16	2
Standing/lying in roadway	1	0.0	0	0	0	1	0
Pushing/working on vehicle	0	0.0	0	0	0	0	0
Other working in roadway	0	0.0	0	0	0	0	0
Playing in roadway	20	0.6	0	3	6	6	3
In roadway other reason	31	1.0	0	3	11	12	4
Not in roadway	25	0.8	0	1	11	13	0
Other	58	1.9	0	7	18	20	8
Unknown	157	5.1	0	27	53	35	20
TOTAL	3,091*	100.0	32	365	1,123	1,046	420

* Includes 105 bicyclists with unknown injury severity

ACTION PRIOR TO CRASH (continued)

PEDESTRIAN - INJURY SEVERITY

PEDESTRIAN ACTION	All Pedestrians		Fatal	Injury			No Injury
	Number	% of Total		A	B	C	
Going straight ahead	180	4.5	5	23	63	55	18
Turning left	36	0.9	2	10	9	7	3
Turning right	13	0.3	0	2	2	7	0
Stopped on roadway	15	0.4	1	5	4	3	1
In prior crash	12	0.3	0	5	4	2	0
Changing lanes	1	0.0	0	1	0	0	0
Backing	4	0.1	0	0	2	1	0
Slowing/stopping on roadway	2	0.1	0	1	1	0	0
Slowing/stopping other	1	0.0	0	1	0	0	0
Starting up on roadway	1	0.0	0	1	0	0	0
Starting up other	0	0.0	0	0	0	0	0
Entering parking	2	0.1	0	1	1	0	0
Leaving parking	1	0.0	0	0	0	0	0
Entering roadway	26	0.7	2	7	8	6	1
Leaving roadway	4	0.1	1	1	1	1	0
Making U-turn	0	0.0	0	0	0	0	0
Overtaking or passing	0	0.0	0	0	0	0	0
Avoiding object	0	0.0	0	0	0	0	0
Avoiding pedestrian	1	0.0	0	0	0	1	0
Avoiding vehicle (front/back)	5	0.1	1	1	2	0	0
Avoiding vehicle (angle)	1	0.0	0	0	1	0	0
Driverless moving	6	0.2	0	1	0	5	0
Parked	21	0.5	0	2	3	3	8
Crossing at intersection	911	22.9	22	200	255	369	32
Crossing not at intersection	1,143	28.8	65	311	336	343	42
Getting on/off vehicle	87	2.2	1	22	29	26	2
In roadway with traffic	191	4.8	26	49	57	43	11
In roadway against traffic	62	1.6	1	17	21	16	4
Standing/lying in roadway	154	3.9	21	41	28	47	7
Pushing/working on vehicle	58	1.5	2	21	18	13	3
Other working in roadway	49	1.2	1	15	16	15	2
Playing in roadway	102	2.6	1	27	34	25	7
In roadway other reason	218	5.5	15	68	60	56	14
Not in roadway	165	4.2	10	43	53	52	5
Other	108	2.7	2	27	27	43	3
Unknown	391	9.8	13	94	107	126	19
TOTAL	3,971*	100.0	192	997	1,142	1,265	182

* Includes 193 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	6,885	0.9	20	242	545	1,055	5,023
Cross center/median	1,407	0.2	2	61	76	164	1,104
Ran off road left	1,131	0.2	3	50	86	144	848
Ran off road right	1,859	0.2	2	44	124	257	1,432
Re-enter road	207	0.0	1	12	20	36	138
Overturn	9,138	1.2	108	898	1,785	2,001	4,346
Separation of units	2,734	0.4	5	71	140	448	2,070
Fire/explosion	921	0.1	4	24	26	106	761
Immersion	105	0.0	1	8	11	14	71
Jackknife	497	0.1	1	4	13	57	422
Downhill runaway	114	0.0	0	7	7	16	84
Cargo loss/shift	881	0.1	0	7	19	43	812
Individual fell off	463	0.1	18	131	136	82	96
Other noncollision	2,225	0.3	3	72	152	195	1,803
NONCOLLISION Subtotal	28,567	3.8	168	1,631	3,140	4,618	19,010

MOST SEVERE OUTCOME IN CRASH

HAD A COLLISION WITH NONFIXED OBJECT	Motor Vehicles		Fatal	Injury			PDO
	Number	% of Total		A	B	C	
Pedestrian	3,198	0.4	187	828	904	973	306
Pedalcycle	2,820	0.4	32	326	979	918	565
Motor vehicle in transport	500,434	66.6	1,390	14,017	28,833	91,346	364,848
Parked motor vehicle	21,502	2.9	13	259	661	1,014	19,555
Railway train	177	0.0	12	20	25	28	92
Animal	63,515	8.4	5	90	385	851	62,184
Other nonfixed objects	6,199	0.8	14	94	250	403	5,438
COLLISION NONFIXED Subtotal	597,845	79.5	1,653	15,634	32,037	95,533	452,988

MOST HARMFUL EVENT (continued)

MOST SEVERE OUTCOME IN CRASH

HAD A COLLISION WITH FIXED OBJECT	Motor Vehicles		Fatal	Injury			PDO
	Number	% of Total		A	B	C	
Bridge/pier/abutment	784	0.1	14	48	75	118	529
Bridge parapet end	503	0.1	1	12	21	37	432
Bridge rail	576	0.1	0	24	46	77	429
Guardrail face	3,304	0.4	3	84	214	442	2,561
Guardrail end	636	0.1	4	43	73	100	416
Median barrier	2,712	0.4	5	123	314	645	1,625
Highway traffic sign post	2,990	0.4	2	28	64	150	2,746
Signal post	306	0.0	1	2	7	28	268
Luminaire/light support	710	0.1	4	41	70	76	519
Utility pole	4,478	0.6	27	283	666	730	2,772
Other pole	1,318	0.2	6	42	98	134	1,038
Culvert	778	0.1	5	64	122	120	467
Curb	2,125	0.3	1	32	81	194	1,817
Ditch	7,906	1.1	25	328	797	1,149	5,607
Embankment	2,051	0.3	13	117	219	350	1,352
Fence	1,860	0.2	1	24	64	117	1,654
Mailbox	2,658	0.4	2	20	59	126	2,451
Tree	12,615	1.7	175	1,054	1,847	1,930	7,609
Rail crossing signal	116	0.0	0	4	4	8	100
Building	1,126	0.1	11	82	128	164	741
Traffic island	55	0.0	0	0	5	4	46
Fire hydrant	663	0.1	2	25	46	78	512
Impact attenuator	62	0.0	0	2	9	11	40
Other fixed object	3,699	0.5	11	128	282	354	2,924
COLLISION FIXED Subtotal	54,031	7.2	313	2,610	5,311	7,142	38,655

MOST SEVERE OUTCOME IN CRASH

	Motor Vehicles		Fatal	Injury			PDO
	Number	% of Total		A	B	C	
Unknown Event	71,361	9.5	95	1,700	3,154	10,526	55,886
TOTAL MOST HARMFUL EVENT	751,804	100.0	2,229	21,575	43,642	117,819	566,539

VEHICLE DEFECTS IN CRASH INVOLVEMENT

MOST SEVERE OUTCOME IN CRASH

VEHICLE DEFECTS	Motor Vehicles		Fatal	Injury			PDO
	Number	% of Total		A	B	C	
Brakes	2,234	0.3	6	68	176	475	1,509
Lights/reflectors	442	0.1	0	20	27	65	330
Steering	322	0.0	1	11	38	42	230
Tires/wheels	840	0.1	4	39	67	112	618
Windows	489	0.1	3	10	34	71	371
Other	1,576	0.2	6	48	80	201	1,241
Unknown/None	745,901	99.2	2,209	21,379	43,220	116,853	562,240
TOTAL	751,804	100.0	2,229	21,575	43,642	117,819	566,539

DRIVER HAZARDOUS ACTION

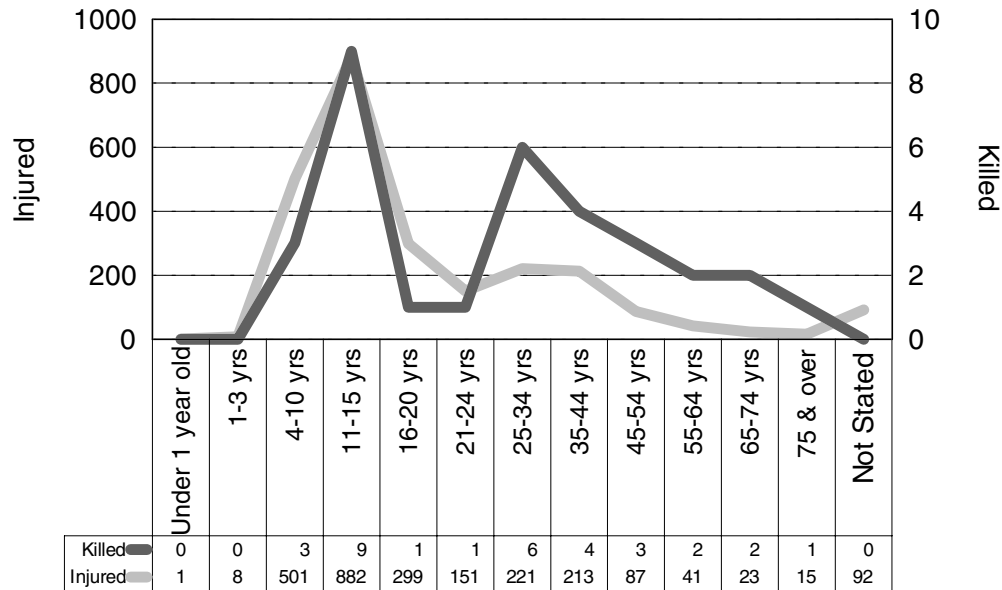
MOST SEVERE OUTCOME IN CRASH

HAZARDOUS ACTION	All Vehicles		Fatal	Injury			PDO
	Number	% of Total		A	B	C	
None	378,307	50.3	922	9,437	19,354	56,953	291,641
Speed too fast	46,754	6.2	339	2,346	4,624	7,395	32,050
Speed too slow	1,451	0.2	4	52	88	292	1,015
Failed to yield	65,962	8.8	186	2,547	5,453	11,989	45,787
Disregard traffic control	18,117	2.4	122	1,221	2,139	4,243	10,392
Drove wrong way	588	0.1	10	43	60	105	370
Drove left of center	4,951	0.7	116	450	557	689	3,139
Improper passing	5,596	0.7	19	138	213	522	4,704
Improper lane use	16,374	2.2	22	245	503	1,434	14,170
Improper turn	10,402	1.4	14	236	472	1,379	8,301
Improper/no signal	1,142	0.2	0	19	35	112	976
Improper backing	14,232	1.9	1	38	100	438	13,655
Unable to stop in assured clear distance	96,543	12.8	80	1,582	4,189	21,499	69,193
Other	38,828	5.2	205	1,932	3,558	5,252	27,881
Unknown	52,557	7.0	189	1,289	2,297	5,517	43,265
TOTAL	751,804	100.0	2,229	21,575	43,642	117,819	566,539



MICHIGAN BICYCLE CRASHES

1996 Bicycle Crash Information



In 1996, there were 3,091 bicyclists involved in motor vehicles crashes, with 32 bicyclists killed and 2,534 injured. The number of bicyclists killed represents a 14.3 percent increase from 1995.

Children under 16 years of age accounted for 12 (37.5%) of the bicycle deaths in 1996.

BICYCLE HELMET USE AND INJURY SEVERITY

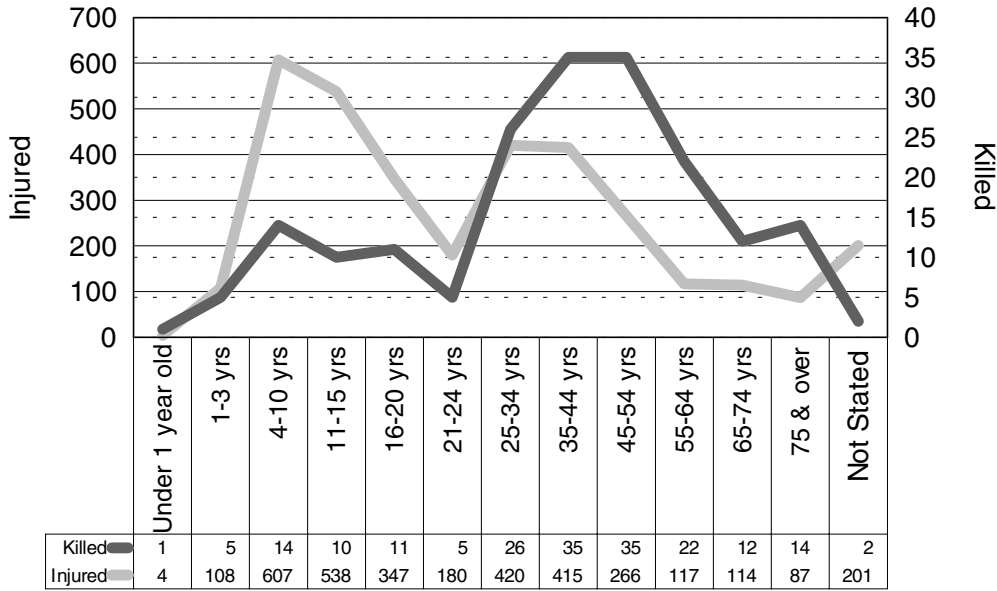
HELMET USE	Fatality	Injury			No Injury
		A	B	C	
Worn	1	9	41	25	11
Not Worn	12	107	317	249	89
Unknown	19	249	765	772	320
TOTALS	32	365	1,123	1,046	420

The National Center for Statistics and Analysis of the National Highway Traffic Safety Administration cites a study by the Centers for Disease Control [10] in giving us the following information: "Bicycle helmets are 85 to 88 percent effective in mitigating head and brain injuries, making the use of helmets the **single most effective countermeasure** available to reduce head injuries and fatalities resulting from bicycle crashes."



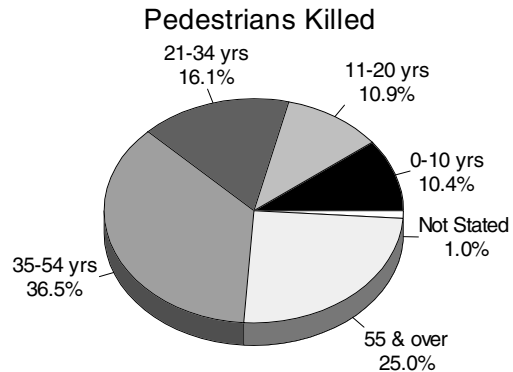
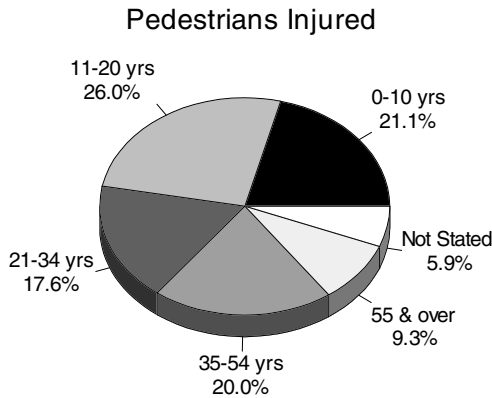
MICHIGAN PEDESTRIAN CRASHES

1996 Pedestrian Crash Information



In 1996, there were 3,971 pedestrians involved in motor vehicles crashes, with 192 pedestrians killed and 3,404 injured. The number killed represents a 1.1 percent increase in fatalities from 1995.

Children under 16 years of age accounted for 30 (15.6%) of the pedestrian deaths in 1996. Adults over the age of 54 accounted for 48 (25.0%) of the pedestrian deaths in 1996.





MICHIGAN SNOWMOBILE ON ROADWAY CRASHES

Most Harmful Event

MOST SEVERE OUTCOME IN CRASH

NONCOLLISION	Snowmobiles		Fatal	Injury			PDO
	Number	% of Total		A	B	C	
Loss of control	12	2.4	0	2	2	2	6
Cross center/median	0	0.0	0	0	0	0	0
Ran off road left	2	0.4	0	1	0	1	0
Ran off road right	0	0.0	0	0	0	0	0
Re-enter road	0	0.0	0	0	0	0	0
Overturn	37	7.4	0	10	18	2	7
Separation of units	3	0.6	0	0	1	0	2
Fire/explosion	2	0.4	0	0	0	0	2
Immersion	0	0.0	0	0	0	0	0
Jackknife	0	0.0	0	0	0	0	0
Downhill runaway	0	0.0	0	0	0	0	0
Cargo loss/shift	0	0.0	0	0	0	0	0
Individual fell off	30	6.0	0	12	11	5	2
Other noncollision	13	2.6	0	1	3	1	8
NONCOLLISION Subtotal	99	19.8	0	26	35	11	27

MOST SEVERE OUTCOME IN CRASH

HAD A COLLISION WITH NONFIXED OBJECT	Snowmobiles		Fatal	Injury			PDO
	Number	% of Total		A	B	C	
Pedestrian	8	1.6	1	3	2	0	2
Pedalcycle	0	0.0	0	0	0	0	0
Motor vehicle in transport	186	37.3	8	39	17	30	92
Parked motor vehicle	20	4.0	2	7	2	4	5
Railway train	1	0.2	0	0	0	0	1
Animal	22	4.4	0	1	1	3	17
Other nonfixed objects	9	1.8	1	1	4	0	3
COLLISION NONFIXED Subtotal	246	49.3	12	51	26	37	120



MICHIGAN SNOWMOBILE ON ROADWAY CRASHES (continued)

Most Harmful Event

MOST SEVERE OUTCOME IN CRASH

HAD A COLLISION WITH FIXED OBJECT	Snowmobiles		Fatal	Injury			PDO
	Number	% of Total		A	B	C	
Bridge/pier/abutment	1	0.2	0	1	0	0	0
Bridge parapet end	0	0.0	0	0	0	0	0
Bridge rail	0	0.0	0	0	0	0	0
Guardrail face	1	0.2	0	0	0	1	0
Guardrail end	1	0.2	0	1	0	0	0
Median barrier	0	0.0	0	0	0	0	0
Highway traffic sign post	1	0.2	0	1	0	0	0
Signal post	1	0.2	0	0	1	0	0
Luminaire/light support	0	0.0	0	0	0	0	0
Utility pole	1	0.2	0	0	0	0	1
Other pole	2	0.4	0	1	1	0	0
Culvert	3	0.6	0	0	0	1	2
Curb	0	0.0	0	0	0	0	0
Ditch	8	1.6	0	2	0	1	5
Embankment	7	1.4	0	1	3	2	1
Fence	5	1.0	0	4	0	0	1
Mailbox	4	0.8	0	1	1	1	1
Tree	57	11.4	2	23	15	13	4
Rail crossing signal	0	0.0	0	0	0	0	0
Building	1	0.2	0	0	0	0	1
Traffic island	0	0.0	0	0	0	0	0
Fire hydrant	0	0.0	0	0	0	0	0
Impact attenuator	0	0.0	0	0	0	0	0
Other fixed object	16	3.2	1	5	4	3	3
COLLISION FIXED Subtotal	109	21.8	3	40	25	22	19
Unknown Event	45	9.0	1	5	8	4	27
TOTAL MOST HARMFUL EVENT	499	100.0	16	122	94	74	193

A total of 499 snowmobiles were reported in crashes on Michigan roadways during 1996. Of these snowmobiles, 16 were involved in fatal crashes with 13 of their drivers killed.



MICHIGAN ORV/ATV ON ROADWAY CRASHES

Most Harmful Event

MOST SEVERE OUTCOME IN CRASH

NONCOLLISION	ORV/ATV		Fatal	Injury			PDO
	Number	% of Total		A	B	C	
Loss of control	4	2.0	1	1	1	0	1
Ran off road left	1	0.5	0	0	1	0	0
Overturn	29	14.1	1	13	7	8	0
Cargo loss/shift	1	0.5	0	0	0	0	1
Individual fell off	13	6.3	0	5	4	4	0
Other noncollision	3	1.5	0	0	2	1	0
NONCOLLISION Subtotal	51	24.9	2	19	15	13	2
HAD A COLLISION WITH NONFIXED OBJECT							
Pedestrian	4	2.0	0	4	0	0	0
Pedalcycle	1	0.5	0	0	0	0	1
Motor vehicle in transport	80	39.0	3	16	23	12	26
Parked motor vehicle	5	2.4	0	0	0	0	5
Animal	4	2.0	0	1	1	0	2
Other nonfixed objects	1	0.5	0	0	1	0	0
COLLISION NONFIXED Subtotal	95	46.3	3	21	25	12	34
HAD A COLLISION WITH FIXED OBJECT							
Bridge pier or abutment	1	0.5	0	0	0	0	1
Guardrail face	2	1.0	0	1	0	0	1
Traffic sign post	2	1.0	0	0	1	0	1
Luminaire support	1	0.5	0	0	0	0	1
Utility pole	2	1.0	0	0	1	1	0
Culvert	1	0.5	0	1	0	0	0
Ditch	5	2.4	0	1	2	2	0
Embankment	2	1.0	0	1	1	0	0
Fence	4	2.0	0	2	1	0	1
Mailbox	2	1.0	0	2	0	0	0
Tree	17	8.3	3	8	4	1	1
Building	1	0.5	0	0	0	1	0
Other fixed object	5	2.4	0	1	4	0	0
COLLISION FIXED Subtotal	45	22.0	3	17	14	5	6
Unknown Event	14	6.8	0	1	3	3	7
TOTAL MOST HARMFUL EVENT	205	100.0	8	58	57	33	49

A total of 205 Off Road Vehicles/All Terrain Vehicles were reported in crashes on Michigan roadways during 1996. Of these ORV/ATVs, 8 were involved in fatal crashes and 8 of their operators and 1 passenger were killed.

MICHIGAN SNOWMOBILE ON ROADWAY CRASHES

MOST SEVERE OUTCOME IN CRASH

Driver Hazardous Action	All Snowmobiles		Fatal	Injury			PDO
	Number	% of Total		A	B	C	
None	147	29.5	2	17	28	27	73
Speed too fast	137	27.5	4	57	36	16	24
Speed too slow	0	0.0	0	0	0	0	0
Failed to yield	43	8.6	2	11	2	6	22
Disregard traffic control	3	0.6	0	0	0	1	2
Drove wrong way	10	2.0	1	3	1	1	4
Drove left of center	3	0.6	1	1	0	0	1
Improper passing	4	0.8	0	0	0	0	4
Improper lane use	5	1.0	1	0	0	1	3
Improper turn	2	0.4	0	0	0	0	2
Improper/no signal	0	0.0	0	0	0	0	0
Improper backing	2	0.4	0	0	0	0	2
Unable to stop in assured clear distance	39	7.8	2	6	6	9	16
Other	52	10.4	3	21	10	6	12
Unknown	52	10.4	0	6	11	7	28
TOTAL	499	100.0	16	122	94	74	193

MICHIGAN ORV/ATV ON ROADWAY CRASHES

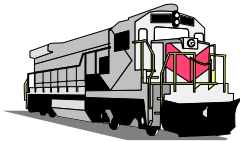
MOST SEVERE OUTCOME IN CRASH

Driver Hazardous Action	All ORV/ATVs		Fatal	Injury			PDO
	Number	% of Total		A	B	C	
None	31	15.1	0	5	7	6	13
Speed too fast	50	24.4	3	19	15	11	2
Speed too slow	1	0.5	0	1	0	0	0
Failed to yield	27	13.2	2	8	4	6	7
Disregard traffic control	2	1.0	0	2	0	0	0
Drove wrong way	1	0.5	0	1	0	0	0
Drove left of center	5	2.4	0	0	3	1	1
Improper passing	0	0.0	0	0	0	0	0
Improper lane use	2	1.0	0	0	1	0	1
Improper turn	4	2.0	0	0	4	0	0
Improper/no signal	1	0.5	0	0	0	1	0
Improper backing	2	1.0	0	0	0	0	2
Unable to stop in assured clear distance	8	3.9	0	1	1	1	5
Other	54	26.3	3	16	19	7	9
Unknown	17	8.3	0	5	3	0	9
TOTAL	205	100.0	8	58	57	33	49



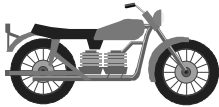
MICHIGAN FARM EQUIPMENT CRASHES

A total of 256 crashes involving farm equipment were reported on Michigan roadways during 1996. Of these crashes, 4 were fatal crashes with 1 driver of the farm equipment killed.



MICHIGAN VEHICLE - TRAIN CRASHES

A total of 119 crashes involving trains were reported in Michigan during 1996. The National Highway Traffic Safety Administration's 1996 Fatal Accident Reporting System [11] reported 12 fatal train crashes in Michigan, and 15 persons killed as a result of those collisions.

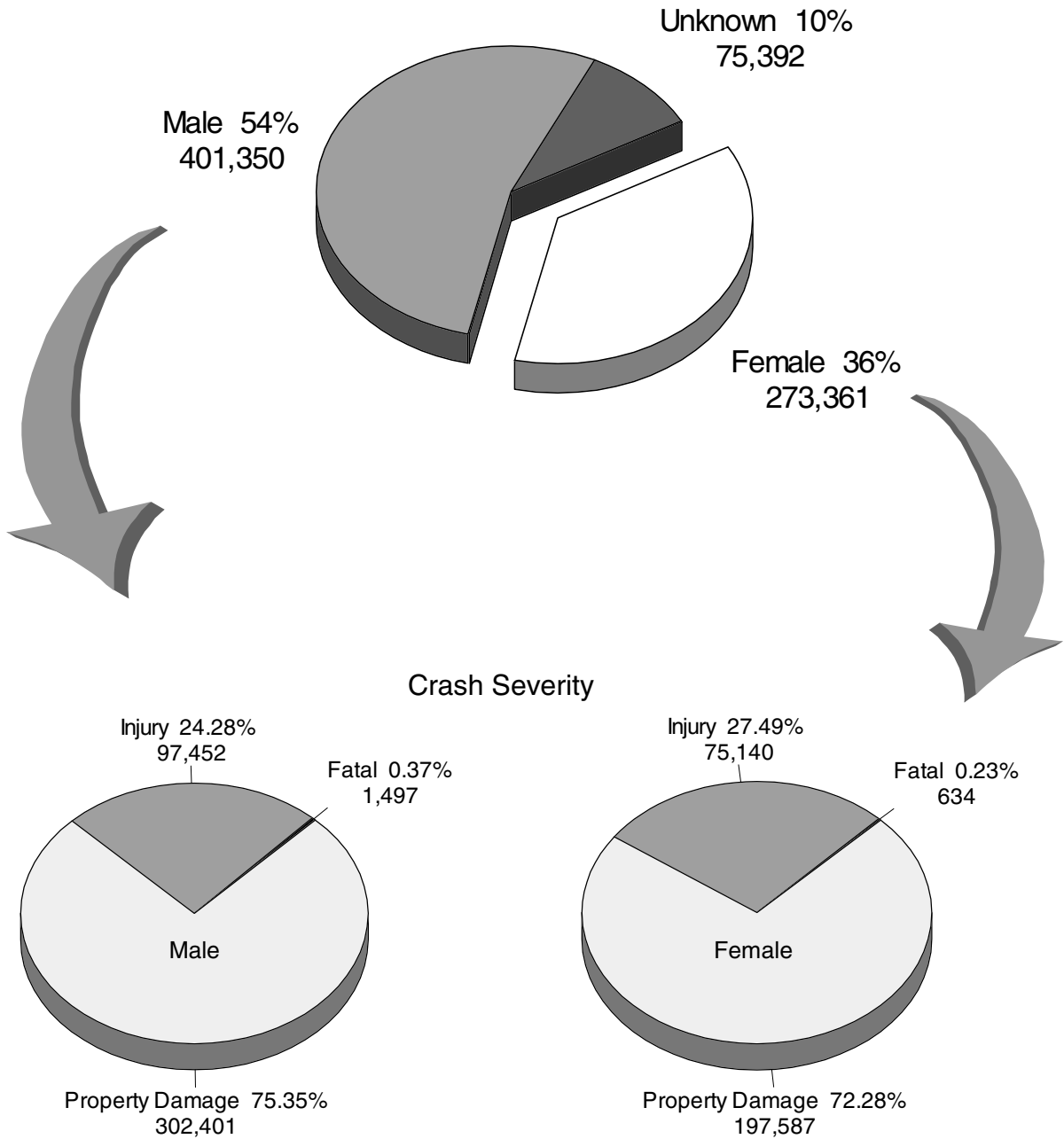


MOTORCYCLE AND MOTOR SCOOTER DATA

MOTORCYCLE & MOTOR SCOOTER DATA	1995	1996	% Change
Registrations	126,957.0	128,335.0	1.1
Crashes	2,651.0	2,468.0	-6.9
Deaths	82.0	62.0	-24.4
Persons Injured	2,324.0	2,200.0	-5.3
Death Rate based on 10,000 cycle registrations	6.5	4.8	-26.2
Estimated Mileage based on 3,000 miles per cycle	380,871,000.0	385,005,000.0	1.1
Death Rate based on deaths per 100 million vehicle miles traveled	21.5	16.1	-25.1

Motorcycles were involved in 0.57 percent of all traffic crashes in Michigan in 1996. Injuries were proportionately more severe to motorcyclists than to persons in motor vehicles. The 1996 death rate for motorcyclists was 16.1 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



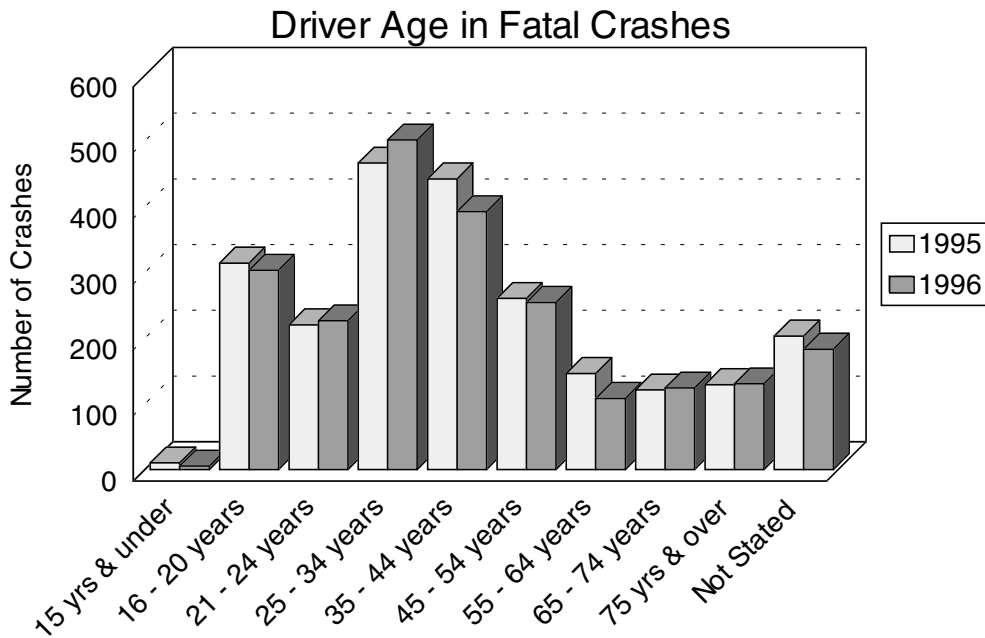
A higher proportion of crashes involved male drivers than female drivers. When we examine the severity of crashes involving drivers of each gender, we see that fatal crashes are more prevalent among male drivers than female drivers (0.4% vs. 0.2%).

This 1996 chart was processed with numbers for all drivers (vehicle level).

DRIVER AGE

AGE OF DRIVERS IN FATAL CRASHES	1995	1996	% Change	% 1996 Fatal Crash Involvement	Percent Active Driving Population*
15 years and under	10	5	-50.0	0.2	0.8
16 - 20 years	314	303	-3.5	13.6	8.5
21 - 24 years	220	226	2.7	10.2	7.2
25 - 34 years	466	501	7.5	22.5	20.8
35 - 44 years	442	392	-11.3	17.6	22.0
45 - 54 years	260	254	-2.3	11.4	16.9
55 - 64 years	146	108	-26.0	4.9	10.4
65 - 74 years	121	124	2.5	5.6	8.4
75 years and over	129	130	0.8	5.8	5.0
Not Stated	203	183	-9.9	8.2	---
TOTALS	2,311	2,226	-3.7	100.0	100.0

* Figures courtesy of the Michigan Department of State [12]



1996

1996

1996

1996

1996

1996

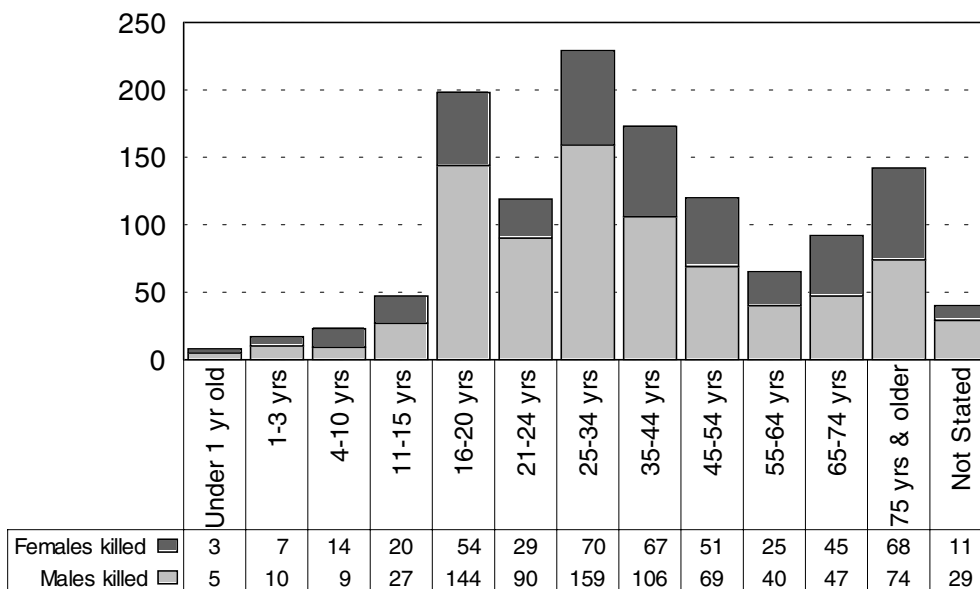
1996

1996

**Occupant/
Person**

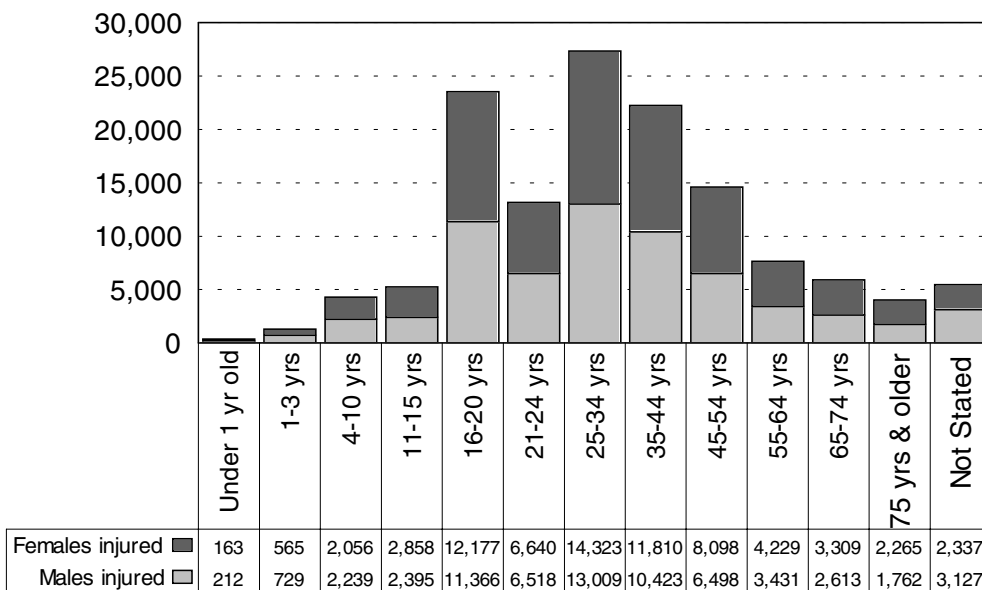
AGE AND GENDER OF OCCUPANTS KILLED & INJURED IN MOTOR VEHICLE CRASHES

Occupants Killed



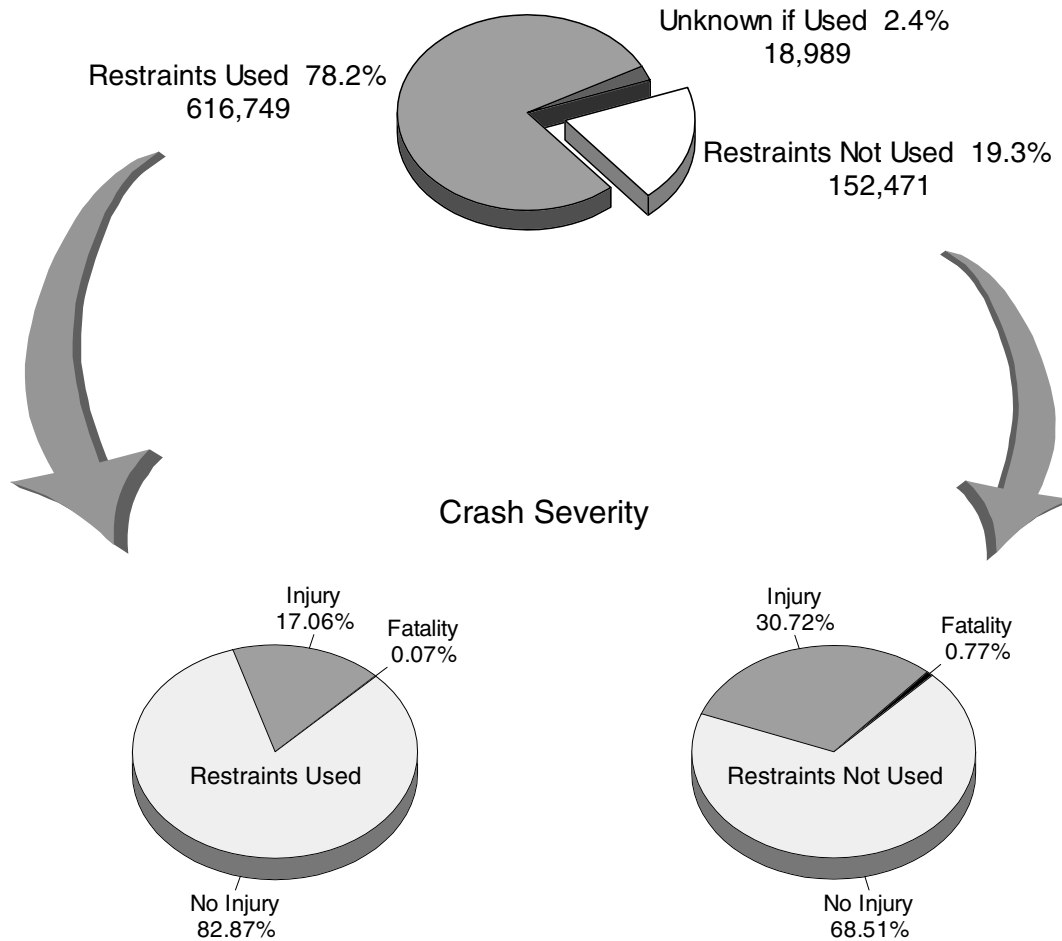
The majority (63.6%) of occupants killed in traffic crashes in 1996 were male.

Occupants Injured



The majority (52.4%) of occupants injured in traffic crashes in 1996 were female.

REPORTED OCCUPANT RESTRAINT USAGE FOR ALL DRIVERS AND INJURED PASSENGERS

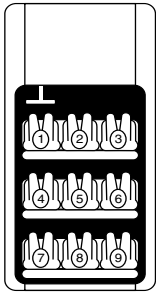


Restraint use by motorists is measured two ways: by what motorists REPORT to police at the scene of a traffic crash (reported usage), and by DIRECT OBSERVATION studies where motorists are totally unaware of the presence of researchers (observed usage). As expected, reported usage is routinely much higher than observed usage.

Of the 788,209 drivers and injured passengers involved in crashes, 616,749 (78.2%) were REPORTED to be using occupant restraints.

However, a DIRECT OBSERVATION study by the University of Michigan Transportation Research Institute [13] estimated 70.8 percent of motorists overall used safety belts in 1996.

Occupants in crashes were eleven 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

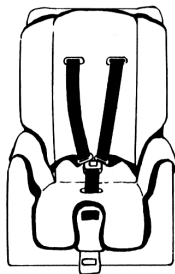
Seating Position	Belts Used*		Fatal	Injury			PDO
	Number	% of Total		A	B	C	
Left Front	582,287	95.6	308	6,197	15,205	55,593	504,984
Center Front	701	0.1	3	48	165	447	38
Right Front	19,907	3.3	101	1,699	4,039	13,839	229
Left Rear	2,201	0.4	7	155	450	1,445	144
Center Rear	535	0.1	1	41	126	358	9
Right Rear	2,437	0.4	7	176	569	1,685	0
Left Rear Third Seat	321	0.1	0	33	83	190	15
Center Rear Third Seat	119	0.0	0	13	35	69	2
Right Rear Third Seat	354	0.1	1	26	93	229	5
Unknown	121	0.0	0	5	20	40	56
TOTAL	608,983	100.0	428	8,393	20,785	73,895	505,482

* 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 separate tables on pages 100-101.

Seating Position	Belts Not Used*		Fatal	Injury			PDO
	Number	% of Total		A	B	C	
Left Front	25,108	73.4	386	2,546	4,031	4,189	13,956
Center Front	390	1.1	9	75	137	153	16
Right Front	4,662	13.6	101	990	1,691	1,801	79
Left Rear	1,418	4.1	19	176	344	558	321
Center Rear	448	1.3	7	95	133	204	9
Right Rear	1,250	3.7	27	181	346	693	3
Left Rear Third Seat	167	0.5	0	25	52	90	0
Center Rear Third Seat	93	0.3	1	17	38	37	0
Right Rear Third Seat	174	0.5	2	21	54	93	4
Unknown	504	1.5	14	104	113	200	73
TOTAL	34,214	100.0	566	4,230	6,939	8,018	14,461

* No belts available or no belts used. Children who were coded as using or not using a child restraint appear in separate tables on page 100-101.

*Michigan law requires that all persons must wear a safety belt
when riding in the front seat of a motor vehicle*



REPORTED CHILD RESTRAINT USE

Michigan law requires:

Any child under one year of age riding in either the front or back seat of a vehicle must be in a Child Restraint Device (CRD).

Sitting in all seats excluding Left Front Seats:

Restraint Usage	Children age 0		Fatal	Injury			No Injury
	Number	% of Total		A	B	C	
Belts Used	52	15.0	0	4	10	37	1
No Belts Used	19	5.5	0	3	6	10	0
CRD Used	252	72.6	5	14	54	179	0
CRD Not Used	16	4.6	2	3	5	6	0
Restraint Failed	1	0.3	0	1	0	0	0
Restraint Use Unknown	3	0.9	1	0	0	2	0
Uncoded & Errors	4	1.2	0	1	0	2	1
TOTAL	347	100.0	8	26	75	236	2

*Any child between the **ages of one and four** must be in a CRD when riding in the front seat of a vehicle and must either be in a CRD or restrained with a safety belt when riding in the back seat.*

Sitting in the Front Right and Front Center Seats:

Restraint Usage	Children age 1-3		Fatal	Injury			No Injury
	Number	% of Total		A	B	C	
Belts Used	186	47.2	2	16	56	111	1
No Belts Used	51	12.9	1	7	21	22	0
CRD Used	105	26.6	1	5	38	61	0
CRD Not Used	34	8.6	1	6	13	14	0
Restraint Failed	3	0.8	0	0	0	3	0
Restraint Use Unknown	7	1.8	1	1	2	3	0
Uncoded & Errors	8	2.0	0	0	3	5	0
TOTAL	394	100.0	6	35	133	219	1

REPORTED CHILD RESTRAINT USE

Sitting in the Rear Seats and Other:

Restraint Usage	Children age 1-3		Fatal	Injury			No Injury
	Number	% of Total		A	B	C	
Belts Used	318	35.5	2	31	85	200	0
No Belts Used	80	8.9	2	21	18	39	0
CRD Used	419	46.7	5	45	103	266	0
CRD Not Used	43	4.8	2	2	24	15	0
Restraint Failed	1	0.1	0	0	0	1	0
Restraint Use Unknown	14	1.6	0	0	6	8	0
Helmet Use	2	0.2	0	0	0	2	0
Uncoded & Errors	20	2.2	0	0	6	14	0
TOTAL	897	100.0	11	99	242	545	0

*Any child between the **ages of four and sixteen** must wear a safety belt when riding in either the front or back seat of a vehicle.*

Sitting in all seats excluding Left Front Seats:

Restraint Usage	Children age 4-15		Fatal	Injury			No Injury
	Number	% of Total		A	B	C	
Belts Used	6,400	70.8	27	464	1,580	4,327	2
No Belts Used	1,992	22.0	25	312	742	912	1
CRD Used	91	1.0	0	5	32	54	0
CRD Not Used	27	0.3	0	6	14	7	0
Restraint Failed	8	0.1	0	1	2	5	0
Restraint Use Unknown	266	2.9	10	53	71	131	1
Helmet Use	45	0.5	0	11	21	12	1
Helmet Not Used	34	0.4	0	5	16	12	1
Uncoded & Errors	174	1.9	3	16	50	101	4
TOTAL	9,037	100.0	65	873	2,528	5,561	10

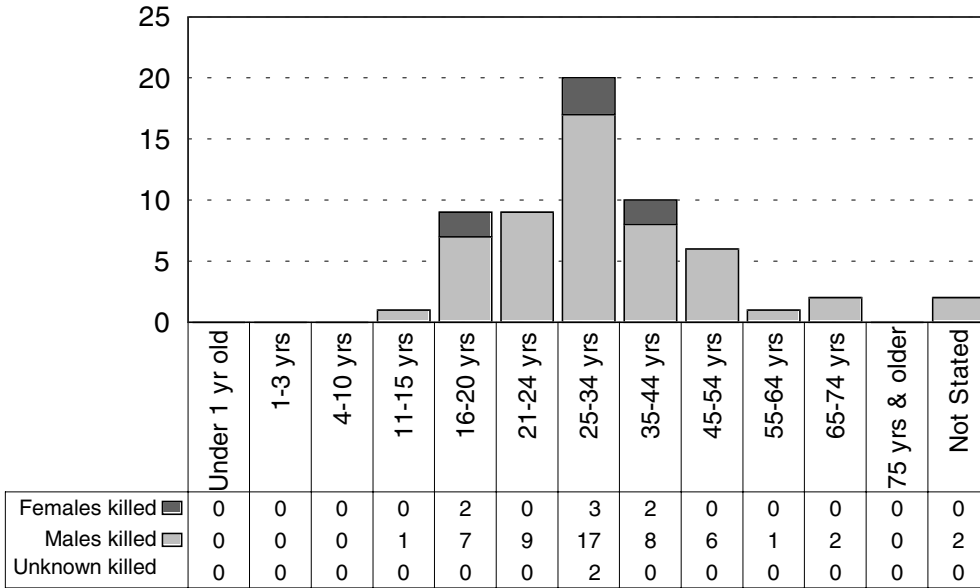
Note: Safety equipment usage is often self-reported and may not reflect actual usage.

The driver of the vehicle will receive a citation for any child not restrained.

In a pilot study of Child Restraint Device (CRD) use and misuse in Michigan [14] at the University of Michigan Transportation Research Institute, researchers discovered at least some degree of improper CRD use in 88.5 percent of case studies.

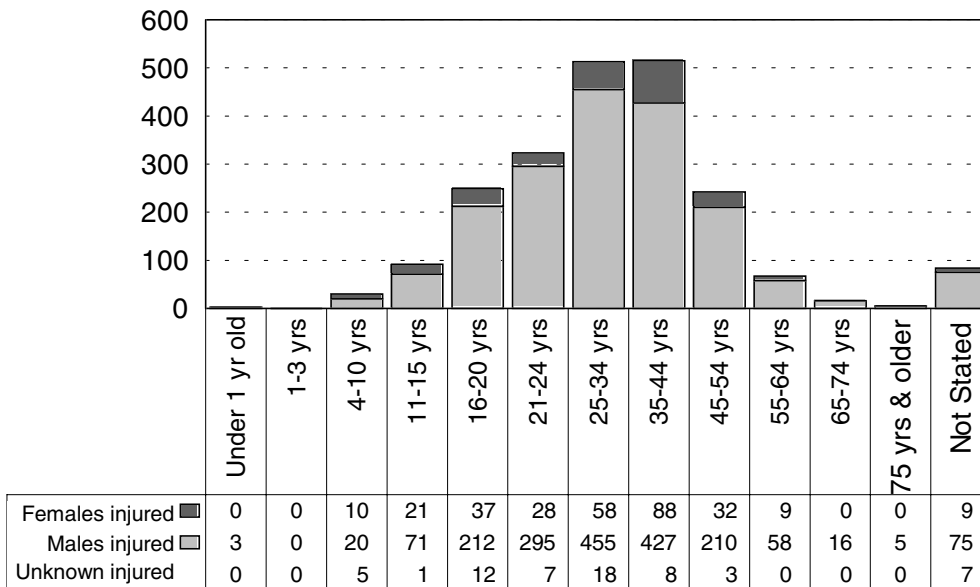
AGE AND GENDER OF MOTORCYCLISTS KILLED & INJURED IN MOTOR VEHICLE CRASHES

Motorcyclists Killed



85.5 percent of the motorcyclists killed in traffic crashes in 1996 were male.
 In comparison, 64.5 percent of all persons killed in crashes were male.

Motorcyclists Injured



84 percent of the motorcyclists injured in traffic crashes in 1996 were male.
 In comparison, 48.5 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	
3 years and under	0	1	0	2	0
4 - 10 years	0	2	4	0	0
11 - 15 years	0	10	16	10	1
16 - 20 years	5	41	75	41	33
21 - 24 years	9	58	100	68	41
25 - 34 years	20	89	140	116	88
35 - 44 years	9	103	150	93	75
45 - 54 years	6	61	62	45	39
55 - 64 years	1	17	15	7	9
65 - 74 years	1	2	2	3	2
75 years and over	0	0	0	1	0
Not Stated	0	2	2	2	3
Subtotal	51	386	566	388	291



Drivers killed 47
Passengers killed 4

Helmet Not Worn Age of Motorcyclist	Fatality	Injury			No Injury
		A	B	C	
3 years and under	0	0	0	0	0
4 - 10 years	0	1	1	3	0
11 - 15 years	0	2	8	11	4
16 - 20 years	2	3	12	5	1
21 - 24 years	0	6	6	2	1
25 - 34 years	1	8	5	3	1
35 - 44 years	0	6	7	1	0
45 - 54 years	0	1	3	1	0
55 - 64 years	0	0	2	0	0
65 - 74 years	0	1	0	0	0
75 years and over	0	0	0	0	0
Not Stated	0	2	2	1	0
Subtotal	3	30	46	27	7

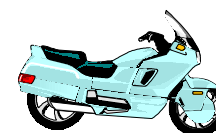


Drivers killed 2
Passengers killed 1

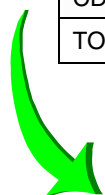
Helmet Use Unknown Age of Motorcyclist	Fatality	Injury			No Injury
		A	B	C	
3 years and under	0	0	0	0	0
4 - 10 years	0	6	13	5	2
11 - 15 years	1	11	9	16	8
16 - 20 years	2	19	42	23	17
21 - 24 years	0	20	35	35	33
25 - 34 years	1	49	71	50	38
35 - 44 years	1	56	62	45	54
45 - 54 years	0	21	26	25	28
55 - 64 years	0	8	12	6	8
65 - 74 years	1	2	6	0	1
75 years and over	0	0	2	2	0
Not Stated	2	25	31	24	30
Subtotal	8	217	309	231	219
TOTAL	62	633	921	646	517

In Michigan, helmet use law requires that all motorcycle riders wear a helmet. As a result, according to studies by UMTRI [15], approximately 99 percent of the motorcyclists in Michigan wear helmets when riding. 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	919	11,138	23,837	70,662	106,556	78.1
Van (Minivan) and Motorhome	64	957	1,875	6,207	9,103	6.7
Pickup	170	1,706	3,758	8,475	14,109	10.3
Small Truck (under 10,000 lbs.)	8	165	404	1,042	1,619	1.2
Cycle	61	602	870	586	2,119	1.6
Moped	1	58	104	63	226	0.2
Go Cart	0	3	0	0	3	0.0
Snowmobile	13	114	91	69	287	0.2
Off Road Vehicle	9	59	69	39	176	0.1
Other	5	33	58	94	190	0.1
Uncoded	8	100	150	427	685	0.5
CDL Truck/Bus (breakdown below)	15	145	286	906	1,352	1.0
TOTAL	1,273	15,080	31,502	88,570	136,425	100.0



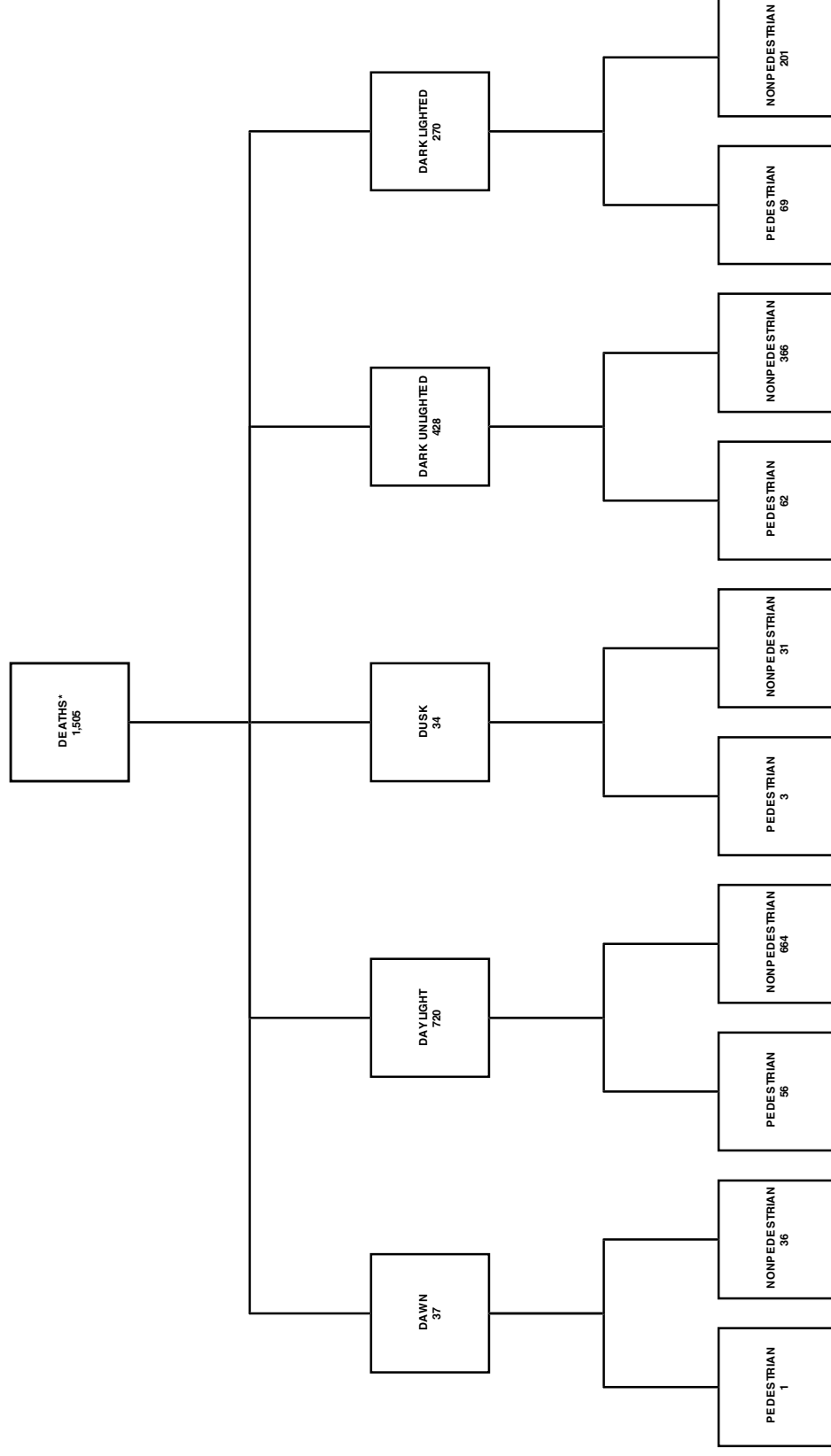
CDL Truck/Bus Sub-category Types	Killed	A Injured	B Injured	C Injured	Total KABC	% of All Crash Involved KABC Occupants
Uncoded Truck	0	8	20	76	104	7.7
Commercial Vehicle: Group A	9	61	105	294	469	34.7
Commercial Vehicle: Group B	3	52	91	371	517	38.2
Commercial Vehicle: Group C	0	6	22	38	66	4.9
Other Truck	3	9	21	49	82	6.1
Unknown Truck	0	9	27	78	114	8.4
TOTAL	15	145	286	906	1,352	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 1,505 motor vehicle deaths in Michigan in 1996, almost half occurred in daylight crashes. Nonpedestrians (mostly occupants of motor vehicles) accounted for 87.2 percent of the deaths. * 16 of the 1,505 cases were lost due to unknown lighting conditions.

1996

1996

1996

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1996

1996

**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	866	1	94	771	0	112	140	614	1	141
Alger	654	0	115	539	0	37	298	319	0	151
Allegan	4,332	21	887	3,424	335	375	785	2,837	24	1,290
Alpena	1,516	3	253	1,260	0	318	235	963	3	341
Antrim	1,216	3	186	1,027	0	229	205	782	3	271
Arenac	1,162	12	214	936	154	309	93	606	14	335
Baraga	612	1	73	538	0	240	80	292	1	99
Barry	3,066	12	518	2,536	0	0	943	2,123	12	717
Bay	4,367	15	1,131	3,221	194	166	1,241	2,766	15	1,702
Benzie	647	4	100	543	0	201	79	367	5	153
Berrien	6,414	27	1,551	4,836	1,071	854	666	3,823	29	2,311
Branch	2,306	8	410	1,888	196	455	96	1,559	8	575
Calhoun	7,169	25	1,335	5,809	1,358	51	983	4,777	28	1,861
Cass	2,242	12	415	1,815	6	182	669	1,385	12	581
Charlevoix	1,409	2	221	1,186	0	400	207	802	2	316
Cheboygan	1,168	3	258	907	216	84	238	630	3	359
Chippewa	1,807	5	285	1,517	353	0	400	1,054	5	426
Clare	1,776	10	298	1,468	0	488	300	988	14	425
Clinton	2,916	11	523	2,382	374	581	154	1,807	14	756
Crawford	887	3	130	754	220	13	218	436	3	166
Delta	2,659	6	417	2,236	0	690	420	1,549	6	593
Dickinson	1,771	1	251	1,519	0	534	442	795	1	340
Eaton	4,712	26	952	3,734	623	157	1,323	2,609	30	1,409
Emmet	1,765	5	288	1,472	22	589	138	1,016	6	420
Genesee	16,677	58	4,623	11,996	1,848	425	2,498	11,906	69	6,944
Gladwin	1,187	6	192	989	0	0	473	714	6	294
Gogebic	673	3	103	567	0	288	42	343	4	148
Grand Traverse	3,944	10	827	3,107	0	1,018	345	2,581	12	1159
Gratiot	1,964	7	337	1,620	0	461	372	1,131	10	509
Hillsdale	2,474	9	421	2,044	0	287	535	1,652	12	606
Houghton	1,505	1	246	1,258	0	408	372	725	1	327
Huron	2,190	6	263	1,921	0	0	896	1,294	7	405
Ingham	12,910	24	2,909	9,977	1,928	375	2,292	8,315	27	4,018
Ionia	3,034	12	536	2,486	276	0	796	1,962	15	800
Iosco	1,409	5	243	1,161	0	305	322	782	5	356
Iron	900	4	101	795	0	213	284	403	4	162
Isabella	3,227	11	584	2,632	0	629	401	2,197	12	910
Jackson	7,559	25	1,501	6,033	973	352	1,233	5,001	30	2,172
Kalamazoo	10,857	35	2,229	8,593	937	764	1,223	7,933	44	3,123
Kalkaska	911	8	154	749	0	168	185	558	9	235
Kent	25,544	60	5,671	19,813	1,606	1,963	4,570	17,405	70	7,916
Keweenaw	85	1	19	65	0	36	8	41	1	24
Lake	699	2	103	594	0	127	128	444	2	133
Lapeer	4,014	15	782	3,217	220	0	1,204	2,590	20	1,186
Leelanau	813	3	138	672	0	0	323	490	3	185
Lenawee	3,870	21	932	2,917	0	933	675	2,262	25	1,432

**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	5,739	41	1,285	4,413	1,000	462	643	3,634	45	1,909
Luce	394	1	69	324	0	0	201	193	1	102
Mackinac	1,046	5	140	901	233	227	213	373	10	201
Macomb	27,973	72	7,389	20,512	1,569	0	7,327	19,077	73	10,617
Manistee	1,175	5	163	1,007	0	280	188	707	5	231
Marquette	3,200	7	585	2,608	0	993	328	1,879	9	829
Mason	1,744	5	264	1,475	0	609	31	1,104	6	388
Mecosta	3,071	8	356	2,707	0	774	535	1,762	9	512
Menominee	1,997	3	256	1,738	0	698	184	1,115	3	373
Midland	3,292	12	661	2,619	0	367	476	2,449	17	993
Missaukee	886	3	106	777	0	0	320	566	3	160
Monroe	5,026	29	1,378	3,619	529	849	665	2,983	32	2,127
Montcalm	3,400	10	577	2,813	0	121	1,115	2,164	12	798
Montmorency	530	2	84	444	0	0	200	330	2	122
Muskegon	6,385	34	1,446	4,905	82	1,022	762	4,519	40	2,071
Newaygo	2,271	9	351	1,911	0	0	760	1,511	10	533
Oakland	48,423	74	12,517	35,832	5,910	2,873	7,292	32,348	87	17,616
Oceana	1,217	4	233	980	0	285	73	859	4	340
Ogemaw	1,448	5	220	1,223	270	0	336	842	5	310
Ontonagon	647	5	66	576	0	135	263	249	5	94
Osceola	1,697	6	274	1,417	0	457	208	1,032	6	426
Oscoda	526	1	70	455	0	0	193	333	1	105
Otsego	1,192	4	263	925	257	0	264	671	4	396
Ottawa	8,341	29	1,750	6,562	434	1,272	753	5,882	30	2,495
Presque Isle	780	4	96	680	0	204	166	410	4	130
Roscommon	1,250	6	204	1,040	159	119	289	683	7	310
Saginaw	9,391	29	2,158	7,204	502	0	2,819	6,070	32	3,185
Sanilac	2,333	14	323	1,996	0	0	878	1,455	15	489
Schoolcraft	671	3	97	571	0	192	224	255	5	151
Shiawassee	2,736	11	644	2,081	258	0	777	1,701	12	946
St. Clair	5,662	35	1,368	4,259	800	0	1,142	3,720	36	2,087
St. Joseph	2,677	17	574	2,086	0	631	522	1,524	20	833
Tuscola	2,572	18	469	2,085	0	0	838	1,734	21	673
Van Buren	3,227	19	757	2,451	578	0	668	1,981	20	1,138
Washtenaw	12,917	26	3,029	9,862	1,460	1,603	973	8,881	32	4,204
Wayne	93,682	232	24,238	69,212	10,174	6,012	11,911	65,585	243	35,337
Wexford	1,966	9	347	1,610	0	593	484	889	12	518
UNKNOWN	108	0	17	91	0	0	0	108	0	22
Totals	435,477	1,339	98,643	335,495	37,125	36,595	74,551	287,206	1,505	142,553

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1996

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Alcona County						
Alcona Twp.	71	1	4	66	1	6
Caledonia Twp.	65	0	12	53	0	16
Curtis Twp.	84	0	12	72	0	17
Greenbush Twp.	68	0	9	59	0	11
Gustin Twp.	74	0	3	71	0	6
Harrisville Twp.	82	0	10	72	0	19
Hawes Twp.	82	0	9	73	0	10
Haynes Twp.	65	0	5	60	0	9
Mikado Twp.	91	0	11	80	0	20
Millen Twp.	70	0	9	61	0	10
Mitchell Twp.	53	0	5	48	0	7
Harrisville	23	0	3	20	0	8
Lincoln	19	0	0	19	0	0
Unknown Community	19	0	2	17	0	2
Alger County						
Au Train Twp.	83	0	20	63	0	26
Burt Twp.	33	0	4	29	0	4
Grand Island Twp.	16	0	5	11	0	6
Limestone Twp.	42	0	6	36	0	8
Mathias Twp.	58	0	10	48	0	10
Munising Twp.	142	0	24	118	0	30
Onota Twp.	47	0	5	42	0	6
Rock River Twp.	72	0	15	57	0	30
Chatham	1	0	1	0	0	1
Munising	142	0	20	122	0	25
Unknown Community	18	0	5	13	0	5
Allegan County						
Allegan Twp.	228	0	51	177	0	69
Casco Twp.	171	1	35	135	1	47
Cheshire Twp.	89	1	20	68	1	32
Clyde Twp.	117	1	19	97	1	37
Dorr Twp.	211	0	48	163	0	62
Fillmore Twp.	197	0	41	156	0	58
Ganges Twp.	127	1	25	101	2	37
Gunplain Twp.	247	1	51	195	1	72
Heath Twp.	128	2	14	112	3	28
Hopkins Twp.	96	1	27	68	1	39
Laketown Twp.	175	1	43	131	1	61
Lee Twp.	108	0	29	79	0	40
Leighton Twp.	124	0	25	99	0	29
Manlius Twp.	84	0	25	59	0	36
Martin Twp.	141	0	27	114	0	36
Monterey Twp.	81	1	17	63	1	34
Otsego Twp.	245	1	55	189	1	78
Overisel Twp.	95	3	16	76	4	24
Salem Twp.	65	1	17	47	1	25
Saugatuck Twp.	172	3	28	141	3	45
Trowbridge Twp.	168	1	42	125	1	64
Valley Twp.	95	0	13	82	0	22
Watson Twp.	62	1	6	55	1	6
Wayland Twp.	194	0	28	166	0	42
Douglas	38	0	6	32	0	9
Fennville	20	0	3	17	0	5
Hopkins	2	0	1	1	0	3
Martin	4	0	2	2	0	2
Saugatuck	45	0	4	41	0	5
Wayland	66	0	12	54	0	15
Allegan	173	0	35	138	0	48
Otsego	122	0	26	96	0	41
Plainwell	177	0	27	150	0	44
Holland	255	1	67	187	1	93

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1996 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Unknown Community	10	0	2	8	0	2
Alpena County						
Alpena Twp.	403	2	87	314	2	120
Green Twp.	90	0	10	80	0	16
Long Rapids Twp.	71	0	7	64	0	9
Maple Ridge Twp.	69	0	9	60	0	11
Ossineke Twp.	108	0	8	100	0	11
Sanborn Twp.	98	1	19	78	1	31
Wellington Twp.	20	0	4	16	0	5
Wilson Twp.	193	0	19	174	0	24
Alpena	453	0	89	364	0	113
Unknown Community	11	0	1	10	0	1
Antrim County						
Banks Twp.	132	0	12	120	0	26
Central Lake Twp.	96	0	11	85	0	14
Chestonia Twp.	42	1	11	30	1	21
Custer Twp.	79	0	10	69	0	11
Echo Twp.	41	0	9	32	0	12
Elk Rapids Twp.	47	0	8	39	0	11
Forest Home Twp.	114	0	14	100	0	16
Helena Twp.	80	0	6	74	0	12
Jordan Twp.	41	0	3	38	0	3
Kearney Twp.	98	1	10	87	1	20
Mancelona Twp.	101	0	22	79	0	27
Milton Twp.	52	1	8	43	1	16
Star Twp.	21	0	4	17	0	4
Torch Lake Twp.	52	0	8	44	0	11
Warner Twp.	48	0	10	38	0	13
Bellaire	35	0	9	26	0	9
Central Lake	12	0	3	9	0	4
Ellsworth	7	0	2	5	0	2
Elk Rapids	58	0	8	50	0	13
Mancelona	50	0	16	34	0	24
Unknown Community	10	0	2	8	0	2
Arenac County						
Adams Twp.	63	0	16	47	0	22
Arenac Twp.	91	0	14	77	0	24
Au Gres Twp.	103	0	12	91	0	18
Clayton Twp.	56	0	16	40	0	31
Deep River Twp.	123	1	16	106	1	23
Lincoln Twp.	135	6	30	99	8	52
Mason Twp.	58	1	11	46	1	17
Moffat Twp.	103	1	24	78	1	31
Sims Twp.	60	2	3	55	2	7
Standish Twp.	95	1	23	71	1	34
Turner Twp.	48	0	6	42	0	8
Whitney Twp.	50	0	7	43	0	10
Au Gres	29	0	8	21	0	19
Omer	20	0	3	17	0	5
Sterling	12	0	1	11	0	3
Turner	3	0	0	3	0	0
Twining	6	0	0	6	0	0
Standish	81	0	17	64	0	19
Unknown Community	26	0	7	19	0	12
Baraga County						
Arvon Twp.	48	0	2	46	0	3
Baraga Twp.	152	0	16	136	0	19
Covington Twp.	93	0	12	81	0	17
Lanse Twp.	150	1	14	135	1	21
Spurr Twp.	29	0	7	22	0	12
Baraga	42	0	10	32	0	15

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1996 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Lanse	75	0	8	67	0	8
Unknown Community	23	0	4	19	0	4
Barry County						
Assyria Twp.	108	0	18	90	0	25
Baltimore Twp.	121	0	16	105	0	21
Barry Twp.	118	1	26	91	1	36
Carlton Twp.	191	0	20	171	0	25
Castleton Twp.	163	0	20	143	0	25
Hastings Twp.	244	0	34	210	0	46
Hope Twp.	156	1	31	124	1	45
Irving Twp.	150	1	12	137	1	21
Johnstown Twp.	145	1	30	114	1	37
Maple Grove Twp.	132	1	20	111	1	33
Orangeville Twp.	118	0	29	89	0	41
Prairieville Twp.	148	2	24	122	2	29
Rutland Twp.	281	1	51	229	1	71
Thornapple Twp.	210	0	41	169	0	61
Woodland Twp.	169	1	23	145	1	30
Yankee Springs Twp.	171	2	28	141	2	38
Freeport	5	0	0	5	0	0
Woodland	1	0	0	1	0	0
Middleville	61	1	14	46	1	20
Nashville	50	0	5	45	0	5
Hastings	303	0	68	235	0	94
Unknown Community	21	0	8	13	0	14
Bay County						
Bangor Twp.	601	1	157	443	1	231
Beaver Twp.	65	2	16	47	2	22
Frankenlust Twp.	231	0	57	174	0	95
Fraser Twp.	141	0	38	103	0	62
Garfield Twp.	69	0	21	48	0	28
Gibson Twp.	34	0	8	26	0	11
Hampton Twp.	292	1	72	219	1	109
Kawkawlin Twp.	201	2	46	153	2	77
Merritt Twp.	44	2	13	29	2	18
Monitor Twp.	558	0	174	384	0	249
Mt. Forest Twp.	44	0	8	36	0	8
Pinconning Twp.	163	1	37	125	1	59
Portsmouth Twp.	95	2	24	69	2	41
Williams Twp.	262	1	71	190	1	99
Auburn	36	0	9	27	0	17
Pinconning	37	0	10	27	0	18
Essexville	69	0	6	63	0	7
Saginaw Valley State	0	0	0	0	0	0
Delta College	12	0	0	12	0	0
Bay City	1395	3	361	1031	3	547
Midland	10	0	2	8	0	3
Unknown Community	8	0	1	7	0	1
Benzie County						
Almira Twp.	61	0	14	47	0	25
Benzonia Twp.	135	1	23	111	1	30
Blaine Twp.	13	0	3	10	0	6
Colfax Twp.	29	0	2	27	0	2
Crystal Lake Twp.	32	0	1	31	0	1
Gilmore Twp.	21	0	1	20	0	1
Homestead Twp.	87	0	10	77	0	14
Inland Twp.	70	3	8	59	4	18
Joyfield Twp.	48	0	11	37	0	14
Lake Twp.	25	0	2	23	0	3
Platte Twp.	23	0	3	20	0	3
Weldon Twp.	26	0	3	23	0	3
Benzonia	25	0	6	19	0	17

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1996 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Beulah	19	0	6	13	0	7
Elberta	0	0	0	0	0	0
Honor	12	0	3	9	0	5
Lake Ann	7	0	2	5	0	2
Thompsonville	4	0	0	4	0	0
Frankfort	2	0	0	2	0	0
Unknown Community	8	0	2	6	0	2
Berrien County						
Bainbridge Twp.	116	1	38	77	1	61
Baroda Twp.	57	0	10	47	0	19
Benton Twp.	1023	6	278	739	6	445
Berrien Twp.	138	1	35	102	1	58
Bertrand Twp.	145	3	37	105	3	57
Buchanan Twp.	100	0	27	73	0	34
Chikaming Twp.	197	1	39	157	1	54
Coloma Twp.	158	1	40	117	1	57
Galien Twp.	40	0	8	32	0	12
Hagar Twp.	154	3	44	107	3	65
Lake Twp.	142	1	33	108	1	54
Lincoln Twp.	403	2	80	321	2	118
New Buffalo Twp.	172	2	38	132	2	54
Niles Twp.	497	0	120	377	0	170
Oronoko Twp.	240	1	65	174	2	97
Pipestone Twp.	60	0	16	44	0	22
Royalton Twp.	168	2	53	113	2	82
St. Joseph Twp.	357	1	90	266	1	148
Sodus Twp.	105	1	25	79	2	42
Three Oaks Twp.	49	0	19	30	0	37
Watervliet Twp.	140	0	34	106	0	59
Weesaw Twp.	45	0	16	29	0	22
Baroda	9	0	3	6	0	3
Eau Claire	7	0	1	6	0	2
Galien	9	0	2	7	0	3
Grand Beach	6	0	0	6	0	0
Michiana	0	0	0	0	0	0
Shoreham	11	0	4	7	0	4
Berrien Springs	90	0	16	74	0	21
Bridgman	74	0	16	58	0	19
Coloma	70	0	14	56	0	21
Stevensville	21	0	4	17	0	16
Three Oaks	37	0	7	30	0	8
Watervliet	44	0	11	33	0	13
Buchanan	108	0	15	93	0	15
New Buffalo	54	0	11	43	0	14
Benton Harbor	575	0	107	468	0	141
Niles	464	0	134	330	0	185
St. Joseph	322	1	60	261	1	77
Unknown Community	7	0	1	6	0	2
Branch County						
Alganssee Twp.	105	0	18	87	0	30
Batavia Twp.	114	0	24	90	0	32
Bethel Twp.	72	0	15	57	0	19
Bronson Twp.	83	0	13	70	2	20
Butler Twp.	70	0	10	60	0	14
California Twp.	60	1	10	49	1	19
Coldwater Twp.	242	1	45	196	1	62
Gilead Twp.	31	0	7	24	0	11
Girard Twp.	146	0	32	114	0	46
Kinderhook Twp.	102	1	15	86	1	19
Mattison Twp.	80	0	9	71	0	12
Noble Twp.	32	0	5	27	0	8
Ovid Twp.	170	0	26	144	0	37

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1996 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Quincy Twp.	198	2	30	166	2	49
Sherwood Twp.	102	2	16	84	2	22
Union Twp.	103	0	15	88	0	23
Sherwood	0	0	0	0	0	0
Bronson	30	0	8	22	0	12
Quincy	40	0	7	33	0	10
Union City	13	0	3	10	0	4
Coldwater	508	1	102	405	1	126
Unknown Community	5	0	0	5	0	0
Calhoun County						
Albion Twp.	91	0	13	78	0	19
Athens Twp.	89	0	8	81	0	11
Bedford Twp.	245	3	39	203	3	46
Burlington Twp.	104	0	20	84	0	25
Clarence Twp.	88	1	8	79	1	11
Clarendon Twp.	73	1	9	63	1	14
Convis Twp.	200	1	28	171	1	37
Eckford Twp.	88	0	10	78	0	14
Emmet Twp.	613	1	134	478	1	196
Fredonia Twp.	150	0	21	129	0	28
Homer Twp.	84	0	9	75	0	15
Lee Twp.	88	0	8	80	0	11
Leroy Twp.	212	2	32	178	2	45
Marengo Twp.	228	0	33	195	0	52
Marshall Twp.	387	2	45	340	2	60
Newton Twp.	105	2	15	88	2	17
Pennfield Twp.	358	0	72	286	0	94
Sheridan Twp.	217	3	30	184	3	45
Tekonsha Twp.	166	0	28	138	0	36
Athens	20	0	4	16	0	4
Burlington	3	0	1	2	0	1
Tekonsha	11	0	0	11	0	0
Homer	37	0	7	30	0	8
Union City	0	0	0	0	0	0
Springfield	288	1	77	210	1	104
Marshall	251	1	57	193	1	77
Albion	265	1	54	210	2	83
Battle Creek	2702	6	573	2123	8	808
Unknown Community	6	0	0	6	0	0
Cass County						
Calvin Twp.	112	1	21	90	1	26
Howard Twp.	148	1	44	103	1	62
Jefferson Twp.	142	1	35	106	1	50
LaGrange Twp.	167	0	24	143	0	37
Marcellus Twp.	112	0	14	98	0	18
Mason Twp.	79	0	15	64	0	18
Milton Twp.	140	0	34	106	0	49
Newberg Twp.	118	1	18	99	1	22
Ontwa Twp.	143	1	36	106	1	46
Penn Twp.	107	1	19	87	1	29
Pokagon Twp.	116	1	23	92	1	29
Porter Twp.	172	2	31	139	2	48
Silver Creek Twp.	206	0	23	183	0	33
Volinia Twp.	69	1	13	55	1	20
Wayne Twp.	123	0	22	101	0	28
Vandalia	3	0	0	3	0	0
Cassopolis	2	1	0	1	1	6
Edwardsburg	40	0	8	32	0	13
Marcellus	25	0	1	24	0	1
Dowagiac	203	1	32	170	1	44
Niles	0	0	0	0	0	0

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1996 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Unknown Community	15	0	2	13	0	0
Charlevoix County						
Bay Twp.	43	0	8	35	0	13
Boyne Valley Twp.	120	0	11	109	0	17
Chandler Twp.	9	0	1	8	0	1
Charlevoix Twp.	74	0	15	59	0	26
Evangeline Twp.	37	1	5	31	1	7
Eveline Twp.	76	0	9	67	0	11
Hayes Twp.	133	0	17	116	0	25
Hudson Twp.	39	0	9	30	0	12
Marion Twp.	73	0	11	62	0	15
Melrose Twp.	87	0	19	68	0	32
Norwood Twp.	90	0	8	82	0	13
Peaine Twp.	8	0	1	7	0	3
St. James Twp.	9	0	0	9	0	0
South Arm Twp.	78	0	11	67	0	17
Wilson Twp.	109	1	17	91	1	24
Boyne Falls	18	0	4	14	0	4
East Jordan	82	0	19	63	0	23
Boyne City	125	0	25	100	0	28
Charlevoix	195	0	31	164	0	45
Unknown Community	4	0	0	4	0	0
Cheboygan County						
Aloha Twp.	35	0	6	29	0	6
Beaugrand Twp.	69	0	11	58	0	18
Benton Twp.	90	0	23	67	0	36
Burt Twp.	29	0	7	22	0	7
Ellis Twp.	35	0	8	27	0	11
Forest Twp.	39	0	10	29	0	11
Grant Twp.	34	0	5	29	0	6
Hebron Twp.	56	0	10	46	0	15
Inverness Twp.	98	0	20	78	0	23
Koehler Twp.	59	1	7	51	1	10
Mackinaw Twp.	52	0	12	40	0	22
Mentor Twp.	47	0	5	42	0	6
Mullet Twp.	29	0	6	23	0	7
Munro Twp.	81	1	17	63	1	22
Nunda Twp.	53	1	19	33	1	30
Tuscarora Twp.	180	0	42	138	0	60
Walker Twp.	24	0	4	20	0	9
Waverly Twp.	21	0	4	17	0	5
Wilmot Twp.	35	0	15	20	0	21
Mackinaw City	41	0	4	37	0	5
Wolverine	9	0	1	8	0	1
Cheboygan	47	0	21	26	0	27
Unknown Community	5	0	1	4	0	1
Chippewa County						
Bay Mills Twp.	24	0	3	21	0	4
Bruce Twp.	103	1	17	85	1	23
Chippewa Twp.	48	0	3	45	0	5
Dafter Twp.	86	0	23	63	0	32
Detour Twp.	38	0	4	34	0	6
Drummond Twp.	101	1	12	88	1	22
Hulbert Twp.	47	0	4	43	0	4
Kinross Twp.	132	0	28	104	0	38
Pickford Twp.	129	1	13	115	1	16
Raber Twp.	65	0	2	63	0	2
Rudyard Twp.	87	0	17	70	0	28
Soo Twp.	132	1	27	104	1	41
Sugar Island Twp.	8	0	2	6	0	3
Superior Twp.	90	0	23	67	0	36
Trout Lake Twp.	27	0	1	26	0	2

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1996 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Whitefish Twp.	21	1	5	15	1	10
Detour	11	0	1	10	0	1
Sault Ste. Marie	647	0	97	550	0	150
Unknown Community	11	0	3	8	0	3
Clare County						
Arthur Twp.	35	0	2	33	0	2
Franklin Twp.	31	1	2	28	1	2
Freeman Twp.	49	1	8	40	4	14
Frost Twp.	92	0	12	80	0	18
Garfield Twp.	93	0	16	77	0	19
Grant Twp.	313	2	54	257	2	83
Greenwood Twp.	54	1	9	44	1	19
Hamilton Twp.	86	0	17	69	0	29
Hatton Twp.	125	1	8	116	1	9
Hayes Twp.	209	3	57	149	4	75
Lincoln Twp.	53	0	5	48	0	9
Redding Twp.	29	0	2	27	0	4
Sheridan Twp.	66	0	8	58	0	9
Summerfield Twp.	23	0	3	20	0	6
Surrey Twp.	198	0	25	173	0	37
Winterfield Twp.	23	0	2	21	0	3
Farwell	24	0	5	19	0	7
Harrison	75	0	18	57	0	20
Clare	191	1	44	146	1	59
Unknown Community	7	0	1	6	0	1
Clinton County						
Bath Twp.	288	1	65	222	1	90
Bengal Twp.	49	0	11	38	0	17
Bingham Twp.	155	2	30	123	2	40
Dallas Twp.	59	1	10	48	3	10
Dewitt Twp.	638	0	132	506	0	198
Duplain Twp.	68	0	10	58	0	12
Eagle Twp.	188	1	35	152	1	44
Essex Twp.	62	1	7	54	2	11
Greenbush Twp.	158	0	35	123	0	57
Lebanon Twp.	46	0	4	42	0	7
Olive Twp.	198	4	23	171	4	47
Ovid Twp.	91	0	16	75	0	22
Riley Twp.	57	0	12	45	0	18
Victor Twp.	163	0	24	139	0	30
Watertown Twp.	244	1	45	198	1	66
Westphalia Twp.	43	0	7	36	0	8
Eagle	0	0	0	0	0	0
Elsie	9	0	1	8	0	1
Hubbardston	0	0	0	0	0	0
Maple Rapids	5	0	0	5	0	0
Westphalia	7	0	1	6	0	2
Capitol City Airport	0	0	0	0	0	0
Dewitt	47	0	9	38	0	12
Fowler	23	0	3	20	0	6
Ovid	23	0	4	19	0	4
St. Johns	293	0	39	254	0	54
Lansing	0	0	0	0	0	0
Unknown Community	2	0	0	2		
Crawford County						
Beaver Creek Twp.	125	0	17	108	0	22
Frederic Twp.	57	0	11	46	0	13
Grayling Twp.	396	3	51	342	3	61
Lovells Twp.	62	0	8	54	0	12
Maple Forest Twp.	46	0	13	33	0	21
South Branch Twp.	58	0	9	49	0	11

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1996 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Camp Grayling	2	0	0	2	0	0
Grayling	139	0	20	119	0	25
Unknown Community	2	0	1	1	0	1
Delta County						
Baldwin Twp.	81	0	5	76	0	11
Bark River Twp.	196	0	18	178	0	25
Bay De Noc Twp.	25	0	3	22	0	3
Brampton Twp.	64	2	8	54	2	8
Cornell Twp.	91	1	11	79	1	16
Ensign Twp.	58	0	3	55	0	5
Escanaba Twp.	161	1	25	135	1	43
Fairbanks Twp.	14	0	3	11	0	4
Ford River Twp.	190	1	23	166	1	35
Garden Twp.	49	0	6	43	0	8
Maple Ridge Twp.	79	0	7	72	0	9
Masonville Twp.	257	0	24	233	0	32
Nahma Twp.	103	0	13	90	0	16
Wells Twp.	309	0	49	260	0	71
Garden	2	0	0	2	0	0
Gladstone	182	0	30	152	0	38
Escanaba	793	1	188	604	1	67
Unknown Community	5	0	1	4	0	2
Dickinson County						
Breen Twp.	55	0	1	54	0	1
Breitung Twp.	480	0	62	418	0	88
Felch Twp.	85	0	5	80	0	6
Norway Twp.	113	0	5	108	0	6
Sagola Twp.	224	1	15	208	1	18
Waucedah Twp.	123	0	11	112	0	14
West Branch Twp.	24	0	4	20	0	4
Norway	126	0	17	109	0	26
Iron Mountain	360	0	96	264	0	132
Kingsford	180	0	35	145	0	45
Unknown Community	1	0	0	1	0	0
Eaton County						
Bellevue Twp.	147	2	26	119	2	45
Benton Twp.	187	3	37	147	4	63
Brookfield Twp.	81	0	13	68	0	20
Carmel Twp.	135	0	19	116	0	23
Chester Twp.	92	1	10	81	1	16
Delta Twp.	1498	4	361	1133	4	537
Eaton Twp.	253	2	44	207	2	62
Eaton Rapids Twp.	195	0	41	154	0	57
Hamlin Twp.	155	0	28	127	0	39
Kalamo Twp.	111	0	13	98	0	16
Oneida Twp.	157	1	25	131	1	39
Roxand Twp.	77	0	13	64	0	24
Sunfield Twp.	109	1	19	89	1	26
Vermontville Twp.	108	2	15	91	3	21
Walton Twp.	170	3	27	140	3	38
Windsor Twp.	360	5	58	297	7	85
Dimondale	3	0	1	2	0	3
Mulliken	5	0	1	4	0	1
Sunfield	5	0	2	3	0	2
Vermontville	10	0	1	9	0	1
Bellevue	6	0	0	6	0	0
Olivet	26	0	8	18	0	9
Potterville	34	0	12	22	0	19
Eaton Rapids	159	1	40	118	1	58
Charlotte	388	1	79	308	1	118
Grand Ledge	226	0	55	171	0	82
Lansing	6	0	2	4	0	2

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1996 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Unknown Community	9	0	2	7	0	3
Emmet County						
Bear Creek Twp.	378	3	71	304	4	106
Bliss Twp.	25	0	0	25	0	0
Carp Lake Twp.	54	0	9	45	0	21
Center Twp.	46	0	8	38	0	11
Cross Village Twp.	12	0	0	12	0	0
Friendship Twp.	50	0	13	37	0	21
Littlefield Twp.	109	0	18	91	0	24
Little Traverse Twp.	162	0	31	131	0	49
McKinley Twp.	63	0	7	56	0	11
Pleasant View Twp.	47	1	6	40	1	9
Maple River Twp.	53	0	2	51	0	2
Readmond Twp.	20	0	2	18	0	2
Resort Twp.	77	1	13	63	1	16
Springvale Twp.	80	0	14	66	0	19
Wawatam Twp.	13	0	0	13	0	0
West Traverse Twp.	40	0	8	32	0	12
Alanson	23	0	7	16	0	9
Mackinaw City	41	0	3	38	0	3
Pellston	9	0	5	4	0	7
Harbor Springs	49	0	10	39	0	16
Petoskey	411	0	61	350	0	82
Unknown Community	3	0	0	3	0	0
Genesee County						
Argentine Twp.	165	1	20	144	1	27
Atlas Twp.	182	2	32	148	2	49
Clayton Twp.	244	2	53	189	2	98
Davison Twp.	486	2	129	355	3	190
Fenton Twp.	316	1	77	238	2	118
Flint Twp.	1987	5	532	1450	6	805
Flushing Twp.	200	0	44	156	0	64
Forest Twp.	161	0	42	119	0	58
Gaines Twp.	111	0	16	95	0	25
Genesee Twp.	600	4	174	422	4	260
Grand Blanc Twp.	903	4	229	670	4	353
Montrose Twp.	195	1	38	156	3	66
Mt. Morris Twp.	950	6	263	681	6	403
Mundy Twp.	619	3	153	463	3	225
Richfield Twp.	217	3	52	162	3	80
Thetford Twp.	204	2	66	136	2	110
Vienna Twp.	453	2	111	340	2	170
Gaines	2	0	0	2	0	0
Goodrich	49	0	11	38	0	18
Otter Lake	0	0	0	0	0	0
Otisville	21	0	7	14	0	8
Lennon	2	0	0	2	0	0
Clio	70	0	20	50	0	22
Linden	56	0	9	47	0	11
Montrose	29	0	5	24	0	7
Mt. Morris	93	0	16	77	0	22
Swartz Creek	207	0	44	163	0	66
Davison	148	0	26	122	0	35
Fenton	473	2	115	356	3	160
Flushing	134	0	30	104	0	36
Grand Blanc	227	0	52	175	0	76
Burton	1108	5	358	745	5	555
University of Michigan-Flint	0	0	0	0	0	0
Flint	6044	13	1892	4139	18	2818
Unknown Community	21	0	7	14	0	9

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1996 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Gladwin County						
Beaverton Twp.	102	0	18	84	0	33
Bentley Twp.	30	0	8	22	0	10
Billings Twp.	62	1	9	52	1	15
Bourret Twp.	24	0	2	22	0	2
Buckeye Twp.	102	1	16	85	1	19
Butman Twp.	66	0	10	56	0	14
Clement Twp.	38	1	9	28	1	12
Gladwin Twp.	65	0	10	55	0	13
Grim Twp.	29	0	7	22	0	7
Grout Twp.	140	0	19	121	0	37
Hay Twp.	63	0	14	49	0	18
Sage Twp.	90	1	14	75	1	21
Secord Twp.	37	0	2	35	0	3
Sherman Twp.	81	0	9	72	0	17
Tobacco Twp.	127	1	17	109	1	33
Beaverton	26	0	5	21	0	8
Gladwin	98	1	22	75	1	31
Unknown Community	7	0	1	6	0	1
Gogebic County						
Bessemer Twp.	45	0	4	41	0	7
Erwin Twp.	6	0	2	4	0	6
Ironwood Twp.	55	1	8	46	1	11
Marenisco Twp.	43	0	5	38	0	7
Wakefield Twp.	43	0	12	31	0	15
Watersmeet Twp.	80	1	14	65	2	24
Bessemer	59	0	7	52	0	9
Wakefield	61	0	5	56	0	5
Ironwood	279	1	46	232	1	64
Unknown Community	2	0	0	2	0	0
Grand Traverse County						
Acme Twp.	192	0	40	152	0	61
Blair Twp.	299	0	58	241	0	88
East Bay Twp.	520	1	138	381	1	197
Fife Lake Twp.	64	1	13	50	2	23
Garfield Twp.	786	3	180	603	4	266
Grant Twp.	55	2	13	40	2	18
Green Lake Twp.	143	1	32	110	1	45
Long Lake Twp.	131	0	20	111	0	26
Mayfield Twp.	60	0	12	48	0	17
Peninsula Twp.	61	0	14	47	0	16
Paradise Twp.	125	1	23	101	1	29
Union Twp.	38	0	6	32	0	7
White Water Twp.	106	1	19	86	1	25
Fife Lake	5	0	2	3	0	2
Kingsley	22	0	9	13	0	11
Traverse City	1330	0	246	1084	0	325
Unknown Community	7	0	2	5	0	3
Gratiot County						
Arcadia Twp.	135	1	21	113	1	28
Bethany Twp.	71	0	20	51	0	30
Elba Twp.	86	0	14	72	0	16
Emerson Twp.	134	0	18	116	0	28
Fulton Twp.	112	0	18	94	0	38
Hamilton Twp.	42	0	4	38	0	6
Lafayette Twp.	33	0	9	24	0	13
Newark Twp.	57	0	3	54	0	4
New Haven Twp.	59	0	7	52	0	12
North Shade Twp.	47	1	8	38	1	16
North Star Twp.	72	0	15	57	0	19
Pine River Twp.	255	1	54	200	1	81

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1996 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Seville Twp.	158	0	17	141	0	30
Sumner Twp.	115	0	18	97	0	24
Washington Twp.	114	1	20	93	1	29
Wheeler Twp.	66	3	13	50	6	28
Ashley	6	0	1	5	0	1
Perrinton	2	0	0	2	0	0
Breckenridge	15	0	1	14	0	1
Ithaca	60	0	13	47	0	24
St. Louis	93	0	21	72	0	25
Alma	229	0	42	187	0	56
Unknown Community	3	0	0	3	0	0
Hillsdale County						
Adams Twp.	169	0	26	143	0	33
Allen Twp.	131	0	20	111	0	28
Amboy Twp.	41	1	6	34	1	9
Cambria Twp.	171	2	27	142	2	43
Camden Twp.	67	0	19	48	0	37
Fayette Twp.	152	0	19	133	0	29
Hillsdale Twp.	161	0	24	137	0	32
Jefferson Twp.	130	0	24	106	0	33
Litchfield Twp.	75	0	9	66	0	10
Moscow Twp.	119	1	16	102	1	30
Pittsford Twp.	114	0	20	94	0	27
Ransom Twp.	44	0	7	37	0	11
Reading Twp.	122	0	21	101	0	24
Scipio Twp.	88	0	16	72	0	23
Somerset Twp.	119	1	21	97	1	26
Wheatland Twp.	71	1	11	59	2	18
Woodbridge Twp.	44	1	7	36	3	12
Wright Twp.	42	0	10	32	0	17
Allen	5	0	2	3	0	5
Camden	8	0	2	6	0	2
Montgomery	4	0	2	2	0	2
North Adams	3	0	0	3	0	0
Waldron	3	0	0	3	0	0
Jonesville	108	1	26	81	1	37
Litchfield	24	0	2	22	0	3
Reading	8	0	2	6	0	2
Hillsdale	449	1	81	367	1	112
Unknown Community	2	0	1	1	0	1
Houghton County						
Adams Twp.	106	1	25	80	1	35
Calumet Twp.	100	0	28	72	0	41
Chassell Twp.	108	0	10	98	0	12
Duncan Twp.	28	0	1	27	0	1
Elm River Twp.	31	0	5	26	0	6
Franklin Twp.	52	0	18	34	0	24
Hancock Twp.	15	0	1	14	0	1
Laird Twp.	44	0	6	38	0	8
Osceola Twp.	60	0	10	50	0	11
Portage Twp.	162	0	21	141	0	30
Quincy Twp.	10	0	1	9	0	1
Stanton Twp.	34	0	10	24	0	10
Schoolcraft Twp.	17	0	3	14	0	6
Torch Lake Twp.	56	0	15	41	0	19
Copper City	0	0	0	0	0	0
South Range	11	0	3	8	0	5
Calumet	42	0	5	37	0	6
Lake Linden	22	0	4	18	0	5
Hancock	229	0	34	195	0	46
Laurium	32	0	3	29	0	3
Houghton	326	0	43	283	0	57

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1996 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Michigan Tech. University	17	0	0	17	0	0
Unknown Community	3	0	0	3	0	0
Huron County						
Bingham Twp.	113	0	5	108	0	6
Bloomfield Twp.	32	0	4	28	0	5
Brookfield Twp.	17	0	4	13	0	5
Caseville Twp.	77	0	4	73	0	4
Chandler Twp.	14	0	4	10	0	4
Colfax Twp.	163	0	20	143	0	31
Dwight Twp.	40	0	6	34	0	9
Fair Haven Twp.	74	2	8	64	2	11
Gore Twp.	14	0	0	14	0	0
Grant Twp.	94	0	8	86	0	14
Hume Twp.	53	0	6	47	0	11
Huron Twp.	59	0	3	56	0	7
Lake Twp.	44	1	7	36	1	13
Lincoln Twp.	63	0	6	57	0	10
McKinley Twp.	38	0	3	35	0	4
Meade Twp.	107	0	10	97	0	15
Oliver Twp.	55	0	15	40	0	26
Paris Twp.	62	0	11	51	0	16
Pte. Aux Barques Twp.	0	0	0	0	0	0
Port Austin Twp.	44	0	6	38	0	8
Rubicon Twp.	51	0	5	46	0	6
Sand Beach Twp.	109	0	7	102	0	8
Sebewaing Twp.	59	2	11	46	3	15
Sheridan Twp.	96	0	7	89	0	15
Sherman Twp.	63	0	6	57	0	13
Sigel Twp.	63	0	6	57	0	7
Verona Twp.	230	0	28	202	0	50
Windsor Twp.	40	1	11	28	1	15
Caseville	23	0	1	22	0	2
Elkton	18	0	1	17	0	1
Kinde	3	0	0	3	0	0
Owendale	1	0	0	1	0	0
Port Austin	7	0	1	6	0	2
Port Hope	10	0	2	8	0	2
Ubyly	10	0	5	5	0	6
Harbor Beach	49	0	5	44	0	5
Pigeon	21	0	4	17	0	7
Sebewaing	39	0	6	33	0	7
Bad Axe	132	0	27	105	0	45
Unknown Community	3	0	0	3	0	0
Ingham County						
Alaiedon Twp.	393	1	49	343	1	74
Aurelius Twp.	159	4	26	129	4	49
Bunker Hill Twp.	71	0	12	59	0	16
Delhi Twp.	675	2	120	553	2	179
Ingham Twp.	93	0	9	84	0	10
Lansing Twp.	796	2	173	621	2	237
Leroy Twp.	173	1	26	146	4	38
Leslie Twp.	133	0	12	121	0	16
Locke Twp.	69	0	9	60	0	16
Meridian Twp.	1280	3	303	974	3	441
Onondaga Twp.	125	0	23	102	0	33
Stockbridge Twp.	124	2	13	109	2	15
Vevay Twp.	230	2	33	195	2	46
Wheatfield Twp.	123	0	10	113	0	13
White Oak Twp.	61	0	3	58	0	4
Williamston Twp.	230	0	34	196	0	51
Dansville	9	0	2	7	0	4
Leslie	28	0	4	24	0	4

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1996 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Stockbridge	37	0	6	31	0	6
Webberville	28	0	2	26	0	2
Williamston	70	1	11	58	1	20
Mason	192	0	32	160	0	48
East Lansing	1447	0	361	1086	0	458
Michigan State University	437	0	76	361	0	86
Lansing	5908	6	1555	4347	6	2147
Unknown Community	19	0	5	14	0	5
Ionia County						
Berlin Twp.	259	2	53	204	2	98
Boston Twp.	239	3	51	185	3	71
Campbell Twp.	91	0	15	76	0	20
Danby Twp.	123	0	24	99	0	38
Easton Twp.	195	0	26	169	0	32
Ionia Twp.	273	1	56	216	2	91
Keene Twp.	71	0	9	62	0	10
Lyons Twp.	120	1	28	91	3	43
North Plains Twp.	97	0	11	86	0	17
Odessa Twp.	91	0	18	73	0	23
Orange Twp.	163	2	25	136	2	39
Orleans Twp.	180	0	28	152	0	41
Otisco Twp.	156	1	32	123	1	55
Portland Twp.	153	1	36	116	1	52
Ronald Twp.	131	0	24	107	0	31
Sebewa Twp.	67	0	10	57	0	16
Clarksville	5	0	0	5	0	0
Hubbardston	5	0	0	5	0	0
Lyons	10	0	2	8	0	4
Muir	11	0	3	8	0	3
Pewamo	9	0	1	8	0	1
Lake Odessa	60	0	9	51	0	16
Saranac	17	0	1	16	0	2
Portland	70	0	15	55	0	20
Belding	118	0	20	98	0	27
Ionia	318	1	39	278	1	50
Unknown Community	2	0	0	2	0	0
Iosco County						
Alabaster Twp.	42	0	6	36	0	9
Au Sable Twp.	79	1	22	56	1	36
Baldwin Twp.	102	0	25	77	0	36
Burleigh Twp.	54	1	5	48	1	6
Grant Twp.	85	0	9	76	0	10
Oscoda Twp.	320	1	56	263	1	80
Plainfield Twp.	155	2	27	126	2	42
Reno Twp.	118	0	14	104	0	17
Sherman Twp.	30	0	8	22	0	16
Tawas Twp.	174	0	18	156	0	23
Wilber Twp.	62	0	6	56	0	10
Whittemore	7	0	4	3	0	7
East Tawas	95	0	26	69	0	37
Tawas City	84	0	17	67	0	27
Unknown Community	2	0	0	2	0	0
Iron County						
Bates Twp.	88	0	6	82	0	17
Crystal Falls Twp.	156	0	14	142	0	28
Hematite Twp.	44	2	3	39	2	8
Iron River Twp.	111	0	10	101	0	19
Mansfield Twp.	61	0	8	53	0	8
Mastodon Twp.	74	1	10	63	1	20
Stambaugh Twp.	135	0	15	120	0	19
Alpha	4	0	1	3	0	1
Gaastra	4	0	0	4	0	0

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1996 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Mineral Hills	2	0	0	2	0	0
Caspian	20	0	4	16	0	5
Crystal Falls	44	0	8	36	0	9
Stambaugh	34	0	7	27	0	8
Iron River	120	1	14	105	1	19
Unknown Community	3	0	1	2	0	1
Isabella County						
Broomfield Twp.	110	0	7	103	0	10
Chippewa Twp.	199	0	52	147	0	86
Coe Twp.	105	2	22	81	3	44
Coldwater Twp.	62	1	5	56	1	7
Deerfield Twp.	241	1	34	206	1	54
Denver Twp.	64	0	9	55	0	11
Fremont Twp.	102	0	5	97	0	10
Gilmore Twp.	94	0	7	87	0	11
Isabella Twp.	136	1	22	113	1	31
Lincoln Twp.	114	0	14	100	0	21
Nottawa Twp.	81	0	13	68	0	18
Rolland Twp.	74	0	5	69	0	6
Sherman Twp.	110	0	17	93	0	20
Union Twp.	559	3	106	450	3	179
Vernon Twp.	178	0	24	154	0	32
Wise Twp.	97	2	14	81	2	22
Rosebush	5	0	0	5	0	0
Shepherd	5	0	1	4	0	1
Clare	0	0	0	0	0	0
Central Michigan University	13	0	6	7	0	6
Mt. Pleasant	874	1	220	653	1	340
Unknown Community	4	0	1	3	0	1
Jackson County						
Blackman Twp.	1037	2	238	797	2	324
Columbia Twp.	334	0	48	286	0	62
Concord Twp.	142	0	24	118	0	33
Grass Lake Twp.	234	0	54	180	0	78
Hanover Twp.	173	1	37	135	2	55
Henrietta Twp.	153	1	25	127	1	34
Leoni Twp.	640	6	122	512	7	188
Liberty Twp.	188	2	35	151	3	51
Napoleon Twp.	242	0	52	190	0	83
Norvell Twp.	130	1	21	108	1	30
Parma Twp.	217	0	42	175	0	57
Pulaski Twp.	73	0	18	55	0	26
Rives Twp.	196	0	36	160	0	51
Sandstone Twp.	243	1	44	198	1	58
Spring Arbor Twp.	357	2	64	291	2	100
Springport Twp.	109	0	12	97	0	17
Summit Twp.	679	2	141	536	3	220
Tomkins Twp.	90	2	22	66	2	36
Waterloo Twp.	153	1	27	125	1	35
Cement City	0	0	0	0	0	0
Concord	2	0	0	2	0	0
Hanover	6	0	2	4	0	2
Parma	6	0	2	4	0	3
Springport	4	0	1	3	0	1
Brooklyn	24	0	3	21	0	4
Grass Lake	2	0	0	2	0	0
Jackson	2119	4	431	1684	5	624
Unknown Community	6	0	0	6	0	0
Kalamazoo County						
Alamo Twp.	204	0	42	162	0	53
Brady Twp.	193	1	31	161	1	44
Charleston Twp.	256	4	58	194	6	88

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1996 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Climax Twp.	55	0	12	43	0	16
Comstock Twp.	872	5	196	671	6	305
Cooper Twp.	256	2	44	210	4	64
Kalamazoo Twp.	605	2	142	461	2	204
Oshtemo Twp.	865	3	179	683	3	261
Pavilion Twp.	124	1	17	106	2	27
Prairie Ronde Twp.	76	1	7	68	2	8
Richland Twp.	203	1	40	162	1	58
Ross Twp.	217	2	41	174	2	65
Schoolcraft Twp.	249	3	43	203	5	67
Texas Twp.	285	1	48	236	1	67
Wakeshma Twp.	52	0	9	43	0	12
Climax	5	0	0	5	0	0
Richland	35	0	4	31	0	4
Augusta	19	0	3	16	0	3
Galesburg	18	0	5	13	0	6
Parchment	39	0	8	31	0	13
Schoolcraft	59	0	15	44	0	18
Vicksburg	49	0	12	37	0	14
Western Michigan University	95	0	12	83	0	12
Portage	1956	5	425	1526	5	602
Kalamazoo	4057	4	835	3218	4	1111
Unknown Community	13	0	1	12	0	1
Kalkaska County						
Blue Lake Twp.	14	0	3	11	0	5
Boardman Twp.	83	2	15	66	2	17
Clearwater Twp.	120	0	15	105	0	21
Cold Springs Twp.	52	1	11	40	1	17
Excelsior Twp.	69	0	11	58	0	15
Garfield Twp.	47	0	11	36	0	16
Kalkaska Twp.	186	2	32	152	3	51
Oliver Twp.	21	0	3	18	0	3
Orange Twp.	39	1	5	33	1	9
Rapid River Twp.	62	2	12	48	2	22
Springfield Twp.	34	0	6	28	0	9
Bear Lake Twp.	62	0	10	52	0	20
Kalkaska	122	0	20	102	0	30
Unknown Community	0	0	0	0	0	0
Kent County						
Ada Twp.	401	0	78	323	0	110
Algoma Twp.	396	1	61	334	1	89
Alpine Twp.	423	1	107	315	1	155
Bowne Twp.	139	0	15	124	0	17
Byron Twp.	677	4	140	533	5	203
Cannon Twp.	333	1	54	278	1	71
Caledonia Twp.	393	0	62	331	0	84
Cascade Twp.	814	7	155	652	7	216
Courtland Twp.	196	2	34	160	2	64
Gaines Twp.	455	4	100	351	5	141
Grand Rapids Twp.	663	1	143	519	1	211
Grattan Twp.	139	0	28	111	0	40
Lowell Twp.	305	6	53	246	10	95
Nelson Twp.	153	0	22	131	0	36
Oakfield Twp.	175	4	41	130	6	65
Plainfield Twp.	1224	3	265	956	3	374
Solon Twp.	249	1	44	204	2	64
Sparta Twp.	234	1	55	178	1	93
Spencer Twp.	138	0	24	114	0	38
Tyrone Twp.	160	1	48	111	1	77
Vergennes Twp.	150	0	21	129	0	27
Caledonia	14	0	0	14	0	0
Casnovia	7	0	2	5	0	2

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1996 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Kent City	15	0	5	10	0	6
Sand Lake	15	0	0	15	0	0
Cedar Springs	52	0	7	45	0	11
Rockford	153	0	36	117	0	50
Lowell	155	0	22	133	0	32
Sparta	105	0	20	85	0	25
East Grand Rapids	230	0	40	190	0	49
Grandville	799	2	177	620	2	260
Kentwood	1781	4	409	1368	4	584
Walker	1439	3	326	1110	3	485
Wyoming	3045	2	746	2297	2	1008
Grand Rapids	9886	12	2327	7547	13	3128
Unknown Community	29	0	2	27	0	6
Keweenaw County						
Allouez Twp.	38	0	11	27	0	15
Eagle Harbor Twp.	7	0	2	5	0	2
Grant Twp.	20	1	4	15	1	5
Houghton Twp.	12	0	2	10	0	2
Sherman Twp.	4	0	0	4	0	0
Ahmeek	2	0	0	2	0	0
Unknown Community	2	0	0	2	0	0
Lake County						
Chase Twp.	86	0	15	71	0	21
Cherry Valley Twp.	24	1	4	19	1	8
Dover Twp.	23	1	7	15	1	7
Eden Twp.	24	0	4	20	0	4
Elk Twp.	38	0	6	32	0	7
Ellsworth Twp.	45	0	8	37	0	10
Lake Twp.	39	0	6	33	0	7
Newkirk Twp.	51	0	10	41	0	11
Peacock Twp.	57	0	5	52	0	8
Pinora Twp.	23	0	4	19	0	5
Pleasant Plains Twp.	92	0	7	85	0	10
Sauble Twp.	21	0	5	16	0	6
Sweetwater Twp.	36	0	1	35	0	1
Webber Twp.	65	0	5	60	0	7
Yates Twp.	35	0	6	29	0	9
Baldwin	30	0	6	24	0	7
Luther	7	0	2	5	0	2
Unknown Community	3	0	2	1	0	3
Lapeer County						
Almont Twp.	161	0	34	127	0	47
Arcadia Twp.	94	0	16	78	0	22
Attica Twp.	228	0	42	186	0	68
Burlington Twp.	53	0	8	45	0	11
Burnside Twp.	108	2	20	86	2	29
Deerfield Twp.	217	1	48	168	1	91
Dryden Twp.	156	0	28	128	0	38
Elba Twp.	293	3	56	234	3	85
Goodland Twp.	97	1	16	80	1	27
Hadley Twp.	126	1	16	109	2	28
Imlay Twp.	186	1	44	141	1	70
Lapeer Twp.	349	1	62	286	1	84
Marathon Twp.	116	0	21	95	0	23
Mayfield Twp.	325	2	65	258	3	107
Metamora Twp.	281	0	43	238	0	63
North Branch Twp.	116	1	22	93	1	36
Oregon Twp.	196	1	36	159	1	55
Rich Twp.	65	0	8	57	0	9
Clifford	1	0	0	1	0	0
Columbiaville	11	1	2	8	4	5
Dryden	7	0	3	4	0	4

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1996 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Metamora	7	0	2	5	0	2
North Branch	35	0	3	32	0	3
Otter Lake	3	0	1	2	0	1
Almont	50	0	6	44	0	7
Imlay City	158	0	39	119	0	51
Lapeer	568	0	137	431	0	212
Unknown Community	7	0	4	3	0	8
Leelanau County						
Bingham Twp.	77	1	15	61	1	21
Centerville Twp.	53	0	7	46	0	8
Cleveland Twp.	22	0	1	21	0	1
Elmwood Twp.	135	0	19	116	0	27
Empire Twp.	60	0	10	50	0	16
Glen Arbor Twp.	54	0	11	43	0	13
Kasson Twp.	66	0	11	55	0	14
Leelanau Twp.	50	0	11	39	0	14
Leland Twp.	93	1	14	78	1	21
Solon Twp.	101	0	18	83	0	24
Suttons Bay Twp.	61	1	17	43	1	22
Empire	10	0	1	9	0	1
Northport	8	0	1	7	0	1
Suttons Bay	20	0	2	18	0	2
Leland Village	0	0	0	0	0	0
Traverse City	1	0	0	1	0	0
Unknown Community	2	0	0	2	0	0
Lenawee County						
Adrian Twp.	235	1	59	175	1	91
Blissfield Twp.	28	1	8	19	2	14
Cambridge Twp.	238	1	49	188	1	80
Clinton Twp.	66	0	15	51	0	23
Deerfield Twp.	16	0	7	9	0	10
Dover Twp.	95	1	31	63	1	40
Fairfield Twp.	74	0	20	54	0	32
Franklin Twp.	193	3	38	152	3	68
Hudson Twp.	108	0	21	87	0	41
Macon Twp.	88	1	22	65	1	30
Madison Twp.	217	0	48	169	0	76
Medina Twp.	45	0	8	37	0	14
Ogden Twp.	15	0	7	8	0	8
Palmyra Twp.	137	1	38	98	1	55
Raisin Twp.	271	0	66	205	0	108
Ridgeway Twp.	38	0	9	29	0	11
Riga Twp.	56	2	22	32	2	31
Rollin Twp.	96	1	32	63	1	48
Rome Twp.	124	3	30	91	4	45
Seneca Twp.	38	0	12	26	0	22
Tecumseh Twp.	65	1	19	45	2	32
Woodstock Twp.	228	2	49	177	2	79
Addison	11	0	3	8	0	6
Britton	4	0	2	2	0	2
Cement City	5	0	4	1	0	4
Clayton	4	0	1	3	0	1
Deerfield	7	0	2	5	0	2
Onsted	4	0	0	4	0	0
Clinton	41	0	12	29	0	18
Morenci	37	0	7	30	0	8
Blissfield	93	0	28	65	0	41
Hudson	29	1	8	20	2	9
Tecumseh	214	0	34	180	0	55
Adrian	948	2	221	725	2	328
Unknown Community	2	0	0	2	0	0

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1996 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Livingston County						
Brighton Twp.	833	3	211	619	3	304
Cohoctah Twp.	124	0	29	95	0	39
Conway Twp.	71	1	21	49	1	29
Deerfield Twp.	88	1	24	63	1	40
Genoa Twp.	638	6	157	475	6	247
Green Oak Twp.	456	5	77	374	6	100
Hamburg Twp.	394	4	70	320	5	116
Handy Twp.	237	3	58	176	3	86
Hartland Twp.	455	4	123	328	4	199
Howell Twp.	376	3	94	279	4	157
Iosco Twp.	100	1	17	82	1	20
Marion Twp.	252	0	43	209	0	69
Osceola Twp.	211	3	45	163	4	67
Putnam Twp.	199	1	35	163	1	51
Tyrone Twp.	262	2	66	194	2	100
Unadilla Twp.	117	0	23	94	0	31
Pinckney	40	2	6	32	2	12
Brighton	392	0	78	314	0	95
Fowlerville	56	0	9	47	0	10
Howell	425	2	96	327	2	133
Unknown Community	13	0	3	10	0	4
Luce County						
Columbus Twp.	39	0	6	33	0	9
Lakefield Twp.	90	0	11	79	0	12
McMillan Twp.	72	0	22	50	0	27
Pentland Twp.	165	1	25	139	1	47
Newberry	27	0	5	22	0	7
Unknown Community	1	0	0	1	0	0
Mackinac County						
Bois Blanc Twp.	2	0	2	0	0	2
Brevort Twp.	45	0	2	43	0	2
Clark Twp.	157	0	10	147	0	11
Garfield Twp.	127	0	11	116	0	16
Hendricks Twp.	40	0	4	36	0	10
Hudson Twp.	34	0	3	31	0	4
Marquette Twp.	88	0	14	74	0	22
Moran Twp.	152	3	26	123	4	45
Newton Twp.	77	1	13	63	5	20
Portage Twp.	38	0	4	34	0	4
St. Ignace Twp.	209	1	35	173	1	46
Mackinac Island	5	0	2	3	0	2
St. Ignace	71	0	14	57	0	17
Unknown Community	1	0	0	1	0	0
Macomb County						
Armada Twp.	166	0	42	124	0	66
Bruce Twp.	228	3	50	175	3	81
Chesterfield Twp.	1405	4	387	1014	4	547
Clinton Twp.	3283	10	901	2372	10	1306
Harrison Twp.	694	2	208	484	2	303
Lenox Twp.	222	4	61	157	4	93
Macomb Twp.	1163	2	311	850	2	460
Ray Twp.	207	4	58	145	4	87
Richmond Twp.	103	0	35	68	0	55
Shelby Twp.	1794	8	457	1329	8	685
Washington Twp.	460	3	104	353	4	155
Lake Township	0	0	0	0	0	0
Macomb Co. Comm. College	1	0	0	1	0	0
Stoney Creek Metropark	9	0	0	9	0	0
Armada	13	0	2	11	0	3
Memphis	22	0	6	16	0	8

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1996 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
New Haven	72	1	20	51	1	29
Grosse Pointe Shores	1	0	1	0	0	1
New Baltimore	275	0	57	218	0	87
Richmond	117	1	27	89	1	44
Romeo	171	0	27	144	0	45
Utica	552	0	127	425	0	181
Center Line	461	0	126	335	0	149
Fraser	689	2	169	518	2	257
Mt. Clemens	772	3	169	600	3	223
East Detroit	1047	1	250	796	1	339
Roseville	2600	4	665	1931	4	946
St. Clair Shores	1736	3	455	1278	3	618
Sterling Heights	4071	5	1024	3042	5	1461
Warren	5590	12	1639	3939	12	2375
Unknown Community	49	0	11	38	0	13
Manistee County						
Arcadia Twp.	19	1	5	13	1	9
Bear Lake Twp.	69	0	8	61	0	11
Brown Twp.	45	0	4	41	0	8
Cleon Twp.	51	0	6	45	0	13
Dickson Twp.	58	0	7	51	0	11
Filer Twp.	103	1	16	86	1	24
Manistee Twp.	217	2	16	199	2	21
Maple Grove Twp.	33	0	7	26	0	11
Marilla Twp.	21	0	2	19	0	5
Norman Twp.	88	1	12	75	1	17
Onekama Twp.	36	0	6	30	0	7
Pleasanton Twp.	52	0	8	44	0	11
Springdale Twp.	47	0	8	39	0	10
Stronach Twp.	64	0	9	55	0	9
Bear Lake	9	0	0	9	0	0
Copemish	3	0	1	2	0	1
East Lake	5	0	1	4	0	5
Kaleva	5	0	0	5	0	0
Onekama	11	0	2	9	0	2
Manistee	234	0	43	191	0	54
Unknown Community	5	0	2	3	0	2
Marquette County						
Champion Twp.	10	0	1	9	0	1
Chocolay Twp.	283	1	58	224	1	91
Ely Twp.	90	0	21	69	0	28
Ewing Twp.	8	0	0	8	0	0
Forsyth Twp.	153	1	24	128	1	40
Humboldt Twp.	51	0	11	40	0	19
Ishpeming Twp.	107	0	19	88	0	24
Marquette Twp.	258	0	54	204	0	80
Michigamme Twp.	36	1	6	29	2	18
Negaunee Twp.	159	1	25	133	1	39
Powell Twp.	43	1	10	32	1	13
Republic Twp.	66	0	7	59	0	13
Richmond Twp.	27	0	10	17	0	12
Sands Twp.	95	0	14	81	0	16
Skandia Twp.	67	0	13	54	0	16
Tilden Twp.	45	0	12	33	0	21
Turin Twp.	18	0	1	17	0	1
Wells Twp.	48	0	5	43	0	7
West Branch Twp.	32	0	8	24	0	12
Marquette Airport	0	0	0	0	0	0
Ishpeming	294	0	60	234	0	85
Negaunee	235	1	43	191	1	61
Northern Michigan University	15	0	1	14	0	2
Marquette	1057	1	182	874	2	230

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1996 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Unknown Community	3	0	0	3	0	0
Mason County						
Amber Twp.	190	0	43	147	0	70
Branch Twp.	74	0	18	56	0	26
Custer Twp.	141	0	19	122	0	36
Eden Twp.	56	0	6	50	0	7
Freesoil Twp.	58	1	6	51	2	8
Grant Twp.	83	1	13	69	1	14
Logan Twp.	22	0	3	19	0	6
Hamlin Twp.	133	0	13	120	0	15
Meade Twp.	17	0	4	13	0	4
Pere Marquette Twp.	227	0	36	191	0	49
Riverton Twp.	70	0	11	59	0	15
Sheridan Twp.	39	1	5	33	1	7
Sherman Twp.	117	1	13	103	1	19
Summit Twp.	56	0	11	45	0	16
Victory Twp.	139	1	10	128	1	15
Custer	13	0	5	8	0	10
Fountain	3	0	0	3	0	0
Freesoil	0	0	0	0	0	0
Scottville	19	0	3	16	0	3
Ludington	1	0	0	1	0	65
Unknown Community	5	0	2	3	0	3
Mecosta County						
Aetna Twp.	143	0	12	131	0	20
Austin Twp.	85	0	7	78	0	9
Big Rapids Twp.	270	0	30	240	0	37
Chippewa Twp.	100	1	7	92	1	9
Colfax Twp.	221	2	14	205	2	25
Deerfield Twp.	81	0	5	76	0	9
Fork Twp.	130	0	9	121	0	10
Grant Twp.	52	0	6	46	0	7
Green Twp.	271	3	42	226	3	62
Hinton Twp.	154	0	2	152	0	2
Martiny Twp.	130	0	10	120	0	15
Mecosta Twp.	263	1	35	227	2	52
Millbrook Twp.	137	1	12	124	1	21
Morton Twp.	137	0	18	119	0	21
Sheridan Twp.	111	0	15	96	0	25
Wheatland Twp.	171	0	14	157	0	25
Barryton	4	0	0	4	0	0
Mecosta	6	0	0	6	0	0
Morley	5	0	1	4	0	3
Stanwood	5	0	1	4	0	1
Ferris State University	13	0	1	12	0	1
Big Rapids	582	0	115	467	0	158
Unknown Community	0	0	0	0	0	0
Menominee County						
Cedarville Twp.	79	0	8	71	0	12
Daggett Twp.	80	0	7	73	0	11
Faithorn Twp.	23	0	4	19	0	5
Gourley Twp.	22	0	0	22	0	0
Harris Twp.	182	1	20	161	1	41
Holmes Twp.	56	0	6	50	0	7
Ingallston Twp.	98	1	7	90	1	8
Lake Twp.	60	0	5	55	0	6
Mellon Twp.	134	0	19	115	0	28
Menominee Twp.	296	1	26	269	1	34
Meyer Twp.	94	0	11	83	0	13
Nadeau Twp.	131	0	14	117	0	17
Spalding Twp.	211	0	20	191	0	29
Stephenson Twp.	99	0	13	86	0	28

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1996 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Daggett	2	0	1	1	0	2
Powers	5	0	0	5	0	0
Stephenson	18	0	5	13	0	5
Menominee	397	0	90	307	0	127
Unknown Community	10	0	0	10	0	0
Midland County						
Edenville Twp.	107	0	12	95	0	13
Geneva Twp.	63	0	8	55	0	16
Greendale Twp.	79	0	18	61	0	22
Homer Twp.	168	2	35	131	2	62
Hope Twp.	45	0	8	37	0	8
Ingersoll Twp.	92	0	15	77	0	33
Jasper Twp.	54	2	11	41	2	19
Jerome Twp.	154	1	28	125	1	43
Larkin Twp.	200	1	29	170	5	51
Lee Twp.	183	1	45	137	1	76
Lincoln Twp.	134	1	25	108	2	38
Midland Twp.	98	0	21	77	1	28
Mills Twp.	90	0	23	67	0	36
Mt. Haley Twp.	87	0	20	67	0	28
Porter Twp.	61	1	12	48	1	16
Warren Twp.	145	0	17	128	0	29
Sanford	9	0	3	6	0	4
Coleman	23	0	11	12	0	16
Saginaw Valley State College	0	0	0	0	0	0
Midland	1491	2	318	1171	2	452
Unknown Community	8	0	2	6	0	3
Missaukee County						
Aetna Twp.	56	0	3	53	0	4
Bloomfield Twp.	27	0	3	24	0	3
Butterfield Twp.	47	0	5	42	0	6
Caldwell Twp.	51	1	12	38	1	16
Clam Union Twp.	31	0	1	30	0	1
Enterprise Twp.	25	0	3	22	0	6
Forest Twp.	52	0	7	45	0	11
Holland Twp.	15	0	3	12	0	3
Lake Twp.	138	1	25	112	1	50
Norwich Twp.	18	0	2	16	0	2
Pioneer Twp.	22	0	4	18	0	6
Reeder Twp.	84	0	11	73	0	14
Richland Twp.	100	0	9	91	0	12
Riverside Twp.	117	0	7	110	0	12
West Branch Twp.	51	1	4	46	1	5
Lake City	32	0	6	26	0	8
McBain	19	0	1	18	0	1
Unknown Community	1	0	0	1	0	0
Monroe County						
Ash Twp.	249	2	83	164	2	134
Bedford Twp.	716	3	224	489	3	369
Berlin Twp.	201	2	62	137	2	86
Dundee Twp.	159	1	32	126	1	57
Erie Twp.	319	2	89	228	3	164
Exeter Twp.	76	0	26	50	0	32
Frenchtown Twp.	891	5	250	636	6	394
Ida Twp.	116	0	27	89	0	32
Lasalle Twp.	153	3	42	108	3	69
London Twp.	71	3	16	52	3	20
Milan Twp.	114	2	24	88	2	30
Monroe Twp.	423	2	123	298	3	198
Raisinville Twp.	160	1	45	114	1	67
Summerfield Twp.	145	1	37	107	1	47
Whiteford Twp.	200	2	51	147	2	80

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1996 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Estral Beach	4	0	1	3	0	1
Maybee	7	0	1	6	0	1
Carleton	42	0	12	30	0	20
Dundee	59	0	13	46	0	16
Luna Pier	6	0	1	5	0	1
Petersburg	13	0	4	9	0	6
South Rockwood	40	0	11	29	0	16
Milan	21	0	4	17	0	5
Monroe	837	0	199	638	0	280
Unknown Community	4	0	1	3	0	2
Montcalm County						
Belvidere Twp.	155	0	24	131	0	34
Bloomer Twp.	97	1	11	85	2	20
Bushnell Twp.	117	2	11	104	3	17
Cato Twp.	178	0	20	158	0	26
Crystal Twp.	213	0	24	189	0	28
Day Twp.	117	0	9	108	0	11
Douglass Twp.	119	0	12	107	0	17
Eureka Twp.	188	0	44	144	0	62
Evergreen Twp.	159	1	22	136	1	28
Fairplain Twp.	123	1	22	100	1	32
Ferris Twp.	106	0	8	98	0	10
Home Twp.	121	0	19	102	0	23
Maple Valley Twp.	62	1	13	48	1	16
Montcalm Twp.	195	1	42	152	1	62
Pierson Twp.	166	0	38	128	0	50
Pine Twp.	97	1	16	80	1	19
Reynolds Twp.	201	0	40	161	0	54
Richland Twp.	133	0	21	112	0	36
Sidney Twp.	239	0	26	213	0	34
Winfield Twp.	81	1	15	65	1	19
McBride	3	0	0	3	0	0
Pierson	1	0	1	0	0	1
Sheridan	16	0	4	12	0	7
Carson City	16	0	3	13	0	3
Edmore	29	1	6	22	1	10
Howard City	17	0	5	12	0	7
Lakeview	28	0	5	23	0	5
Stanton	50	0	7	43	0	8
Greenville	370	0	109	261	0	159
Unknown Community	3	0	0	3	0	0
Montmorency County						
Albert Twp.	96	1	24	71	1	38
Avery Twp.	48	0	2	46	0	3
Briley Twp.	96	1	16	79	1	23
Hillman Twp.	82	0	18	64	0	25
Loud Twp.	65	0	7	58	0	10
Montmorency Twp.	45	0	6	39	0	8
Rust Twp.	34	0	0	34	0	0
Vienna Twp.	49	0	7	42	0	9
Hillman	10	0	4	6	0	6
Unknown Community	5	0	0	5	0	0
Muskegon County						
Blue Lake Twp.	85	1	21	63	1	31
Casnovia Twp.	140	4	33	103	4	56
Cedar Creek Twp.	119	3	17	99	3	27
Dalton Twp.	345	4	89	252	5	129
Eggleston Twp.	191	2	50	139	2	80
Fruitland Twp.	172	0	36	136	0	55
Fruitport Twp.	438	4	88	346	4	134
Holton Twp.	122	2	25	95	2	31
Laketon Twp.	159	1	39	119	2	57

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1996 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Montague Twp.	90	0	15	75	0	19
Moorland Twp.	108	2	21	85	3	38
Muskegon Twp.	741	4	181	556	6	269
Ravenna Twp.	79	2	10	67	3	18
Sullivan Twp.	128	0	28	100	0	41
Whitehall Twp.	98	0	18	80	0	24
White River Twp.	26	0	1	25	0	1
Casnovia	3	0	0	3	0	0
Lakewood Club	5	0	2	3	0	4
Fruitport	29	0	5	24	0	8
Montague	71	0	10	61	0	14
Ravenna	10	1	0	9	1	3
North Muskegon	133	0	32	101	0	46
Roosevelt Park	79	0	15	64	0	17
Whitehall	114	0	31	83	0	45
Muskegon Heights	517	1	124	392	1	165
Norton Shores	719	2	161	556	2	227
Muskegon	1646	1	391	1254	1	529
Unknown Community	18	0	3	15	0	3
Newaygo County						
Ashland Twp.	155	1	28	126	1	42
Barton Twp.	41	0	8	33	0	15
Beaver Twp.	34	0	8	26	0	9
Big Prairie Twp.	104	0	14	90	0	17
Bridgeton Twp.	84	1	21	62	2	34
Brooks Twp.	153	3	24	126	3	40
Croton Twp.	148	1	15	132	1	20
Dayton Twp.	116	1	24	91	1	37
Denver Twp.	56	0	8	48	0	13
Ensley Twp.	98	0	13	85	0	17
Everett Twp.	121	1	18	102	1	32
Garfield Twp.	123	0	19	104	0	34
Goodwell Twp.	46	0	6	40	0	8
Grant Twp.	109	0	12	97	0	21
Home Twp.	26	0	3	23	0	8
Lilley Twp.	39	1	8	30	1	12
Lincoln Twp.	50	0	3	47	0	6
Merrill Twp.	47	0	9	38	0	15
Monroe Twp.	18	0	2	16	0	2
Norwich Twp.	24	0	5	19	0	9
Sheridan Twp.	149	0	20	129	0	22
Sherman Twp.	124	0	19	105	0	28
Troy Twp.	16	0	3	13	0	3
Wilcox Twp.	73	0	13	60	0	20
Grant	28	0	5	23	0	5
Hesperia	3	0	1	2	0	1
Newaygo	23	0	5	18	0	12
White Cloud	38	0	7	31	0	11
Fremont	213	0	28	185	0	37
Unknown Community	12	0	2	10	0	3
Oakland County						
Addison Twp.	221	0	50	171	0	85
Bloomfield Twp.	1907	2	476	1429	4	677
Brandon Twp.	330	0	66	264	0	92
Commerce Twp.	860	1	223	636	1	325
Groveland Twp.	298	2	96	200	3	141
Highland Twp.	587	3	127	457	6	181
Holly Twp.	222	2	59	161	4	88
Independence Twp.	1008	4	225	779	4	330
Lyon Twp.	584	3	138	443	3	190
Milford Twp.	313	1	73	239	1	98
Novi Twp.	11	0	2	9	0	2

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1996 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Oakland Twp.	348	0	55	293	0	82
Orion Twp.	798	0	193	605	0	327
Oxford Twp.	366	0	88	278	0	134
Pontiac Twp.	3	0	1	2	0	1
Rose Twp.	157	0	35	122	0	51
Royal Oak Twp	155	0	41	114	0	55
Springfield Twp.	469	1	127	341	1	176
Waterford Twp.	3298	5	913	2380	6	1276
West Bloomfield Twp.	1689	0	388	1301	0	542
White Lake Twp.	663	2	152	509	2	231
Southfield Twp.	8	0	4	4	0	5
Bingham Farms	171	0	44	127	0	58
Lake Angelus	2	0	0	2	0	0
Leonard	2	0	1	1	0	1
Ortonville	17	0	3	14	0	5
Camp Dearborn	0	0	0	0	0	0
Stoney Creek Metropark	1	0	0	1	0	0
Clarkston	50	0	8	42	0	10
Orchard Lake	197	0	40	157	0	51
Sylvan Lake	63	0	21	42	0	30
Wixom	553	0	119	434	0	166
Bloomfield Hills	285	0	69	216	0	89
Franklin	60	0	17	43	0	26
Holly	156	1	42	113	3	59
Keego Harbor	137	0	43	94	0	68
Lake Orion	121	0	30	91	0	46
Lathrup Village	368	0	78	290	0	99
Milford	164	0	24	140	0	28
Oxford	102	0	26	76	0	34
Pleasant Ridge	182	0	43	139	0	59
South Lyon	123	0	26	97	0	38
Walled Lake	233	0	56	177	0	74
Wolverine Lake	45	0	15	30	0	20
Huntington Woods	151	0	32	119	0	42
Northville	67	2	15	50	2	22
Novi	1687	1	433	1253	1	634
Rochester	350	0	71	279	0	90
Berkley	492	3	136	353	3	200
Beverly Hills	291	0	74	217	0	102
Clawson	464	0	99	365	0	135
Farmington	405	1	99	305	1	149
Hazel Park	1004	2	292	710	2	410
Kensington Metropark	6	0	1	5	0	2
Oakland University	24	0	3	21	0	4
Birmingham	1105	0	207	898	0	277
Ferndale	609	2	155	452	2	203
Madison Heights	1886	2	505	1379	4	678
Oak Park	1120	2	242	876	2	328
Troy	4158	8	1158	2992	8	1549
Farmington Hills	3115	8	847	2260	8	1211
Pontiac	3118	4	910	2204	4	1319
Royal Oak	2171	2	626	1543	2	844
Southfield	4828	3	1460	3365	3	2052
Rochester Hills	2551	3	602	1946	3	856
Auburn Hills	1446	4	296	1146	4	435
Unknown Community	48	0	17	31	0	24
Oceana County						
Benona Twp.	59	0	11	48	0	20
Clay Banks Twp.	34	1	6	27	1	9
Colfax Twp.	30	0	9	21	0	16
Crystal Twp.	45	0	5	40	0	6
Elbridge Twp.	63	1	7	55	1	14
Ferry Twp.	68	0	10	58	0	19

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1996 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Golden Twp.	83	0	20	63	0	22
Grant Twp.	109	0	20	89	0	29
Greenwood Twp.	56	0	10	46	0	14
Hart Twp.	143	0	29	114	0	39
Leavitt Twp.	49	1	10	38	1	19
New Field Twp.	73	0	18	55	0	25
Otto Twp.	28	0	2	26	0	2
Pentwater Twp.	30	0	4	26	0	4
Shelby Twp.	127	1	31	95	1	50
Weare Twp.	103	0	19	84	0	26
Hesperia	3	0	0	3	0	0
New Era	5	0	1	4	0	1
Pentwater	24	0	3	21	0	4
Rothbury	3	0	1	2	0	1
Walkerville	2	0	1	1	0	1
Hart	48	0	10	38	0	12
Shelby	26	0	5	21	0	5
Unknown Community	6	0	1	5	0	2
Ogemaw County						
Churchill Twp.	94	1	9	84	1	17
Cummings Twp.	75	0	11	64	0	18
Edwards Twp.	82	1	4	77	1	6
Foster Twp.	50	0	6	44	0	10
Goodar Twp.	25	0	2	23	0	2
Hill Twp.	59	0	7	52	0	9
Horton Twp.	170	0	24	146	0	35
Klacking Twp.	73	0	13	60	0	16
Logan Twp.	54	0	5	49	0	6
Mills Twp.	122	0	38	84	0	42
Ogemaw Twp.	133	0	17	116	0	21
Richland Twp.	52	0	10	42	0	14
Rose Twp.	99	1	14	84	1	26
West Branch Twp.	243	1	39	203	1	60
Prescott	1	1	0	0	1	2
Rose City	27	0	3	24	0	6
West Branch	89	0	18	71	0	20
Unknown Community	1	0	0	0	0	0
Ontonagon County						
Bergland Twp.	55	0	5	50	0	6
Bohemia Twp.	14	0	1	13	0	3
Carp Lake Twp.	46	0	7	39	0	9
Greenland Twp.	52	0	6	46	0	8
Haight Twp.	44	0	5	39	0	6
Interior Twp.	44	1	4	39	1	5
Matchwood Twp.	26	1	0	25	1	2
McMillan Twp.	43	0	0	43	0	0
Ontonagon Twp.	89	1	15	73	1	18
Rockland Twp.	33	0	4	29	0	5
Stannard Twp.	145	1	13	131	1	24
Ontonagon	47	1	5	41	1	7
Unknown Community	9	0	1	8	0	1
Osceola County						
Burdell Twp.	126	1	27	98	1	47
Cedar Twp.	28	0	2	26	0	2
Ewart Twp.	112	0	23	89	0	35
Harwick Twp.	75	0	8	67	0	8
Hersey Twp.	108	0	22	86	0	30
Highland Twp.	130	1	16	113	1	24
Leroy Twp.	82	0	16	66	0	24
Lincoln Twp.	100	0	16	84	0	23
Marion Twp.	92	0	7	85	0	11
Middle Branch Twp.	96	0	20	76	0	41

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1996 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Orient Twp.	65	1	6	58	1	15
Osceola Twp.	91	0	10	81	0	16
Richmond Twp.	214	1	35	178	1	53
Rose Lake Twp.	63	0	9	54	0	11
Sherman Twp.	43	1	5	37	1	6
Sylvan Twp.	75	0	8	67	0	13
Hersey	9	0	2	7	0	3
Leroy	4	0	2	2	0	3
Marion	17	1	3	13	1	4
Tustin	3	0	0	3	0	0
Ewart	81	0	22	59	0	37
Reed City	82	0	15	67	0	20
Unknown Community	1	0	0	1	0	0
Oscoda County						
Big Creek Twp.	164	1	24	139	1	41
Clinton Twp.	42	0	6	36	0	10
Comins Twp.	90	0	11	79	0	18
Elmer Twp.	49	0	8	41	0	9
Greenwood Twp.	85	0	11	74	0	12
Mentor Twp.	94	0	10	84	0	15
Unknown Community	2	0	0	2	0	0
Otsego County						
Bagley Twp.	205	1	46	158	1	66
Charlton Twp.	67	0	12	55	0	14
Chester Twp.	75	0	20	55	0	28
Corwith Twp.	104	0	20	84	0	30
Dover Twp.	38	0	5	33	0	7
Elmira Twp.	47	0	11	36	0	15
Hayes Twp.	67	2	16	49	2	25
Livingston Twp.	140	0	35	105	0	55
Otsego Lake Twp.	119	0	35	84	0	52
Vanderbilt	7	0	1	6	0	2
Gaylord	319	1	60	258	1	98
Unknown Community	4	0	2	2	0	4
Ottawa County						
Allendale Twp.	253	0	54	199	0	85
Blandon Twp.	188	2	40	146	2	64
Chester Twp.	67	0	16	51	0	25
Crockery Twp.	210	0	49	161	0	63
Georgetown Twp.	1066	3	239	824	3	349
Grand Haven Twp.	381	2	77	302	2	118
Holland Twp.	1514	2	355	1157	2	516
Jamestown Twp.	150	3	35	112	3	57
Olive Twp.	188	3	42	143	3	65
Park Twp.	244	0	65	179	0	100
Polkton Twp.	251	1	42	208	1	61
Port Sheldon Twp.	99	1	22	76	1	28
Robinson Twp.	166	2	32	132	2	51
Spring Lake Twp.	184	0	46	138	0	66
Tallmadge Twp.	267	1	41	225	2	55
Wright Twp.	193	2	46	145	2	66
Zeeland Twp.	274	0	56	218	0	84
Hope College	0	0	0	0	0	0
Coopersville	89	1	18	70	1	23
Ferrysburg	124	1	21	102	1	25
Fruitport	0	0	0	0	0	0
Hudsonville	172	0	28	144	0	37
Spring Lake	152	0	22	130	0	31
Zeeland	208	0	36	172	0	47
Grand Valley State College	18	0	1	17	0	1
Grand Haven	867	1	156	710	1	192
Holland	1013	4	210	799	4	285

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1996 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Unknown Community	1	0	1	0	0	1
Presque Isle County						
Allis Twp.	67	0	9	58	0	11
Bearinger Twp.	46	1	0	45	1	1
Belknap Twp.	63	0	5	58	0	7
Bismark Twp.	39	0	4	35	0	6
Case Twp.	28	0	4	24	0	4
Krakow Twp.	55	1	7	47	1	11
Metz Twp.	26	0	1	25	0	1
Moltke Twp.	29	0	1	28	0	2
North Allis Twp.	37	0	2	35	0	3
Ocqueoc Twp.	54	0	7	47	0	8
Posen Twp.	58	1	4	53	1	4
Presque Isle Twp.	56	0	11	45	0	14
Pulaski Twp.	41	1	2	38	1	2
Rogers Twp.	53	0	13	40	0	17
Millersburg	5	0	1	4	0	1
Posen	11	0	2	9	0	8
Onaway	28	0	5	23	0	5
Rogers City	84	0	18	66	0	25
Unknown Community	0	0	0	0	0	0
Roscommon County						
Au Sable Twp.	39	0	1	38	0	1
Backus Twp.	53	1	11	41	1	26
Denton Twp.	204	1	40	163	2	55
Gerrish Twp.	165	2	17	146	2	35
Higgins Twp.	139	1	28	110	1	43
Lake Twp.	72	0	8	64	0	13
Lyon Twp.	83	0	13	70	0	20
Markey Twp.	77	0	8	69	0	10
Nester Twp.	29	0	2	27	0	2
Richfield Twp.	171	1	30	140	1	39
Roscommon Twp.	197	0	43	154	0	59
Roscommon	12	0	1	11	0	4
Unknown Community	9	0	2	7	0	3
Saginaw County						
Albee Twp.	82	3	15	64	3	24
Birch Run Twp.	273	2	54	217	2	81
Blumfield Twp.	96	1	28	67	1	40
Brady Twp.	82	2	12	68	2	21
Brant Twp.	81	1	13	67	1	17
Bridgeport Twp.	461	1	114	346	1	170
Buena Vista Twp.	486	2	133	351	2	184
Carrollton Twp.	161	0	25	136	0	38
Chapin Twp.	47	0	8	39	0	10
Chesaning Twp.	147	1	29	117	1	43
Frankenmuth Twp.	125	0	29	96	0	44
Fremont Twp.	84	3	20	61	3	41
James Twp.	64	0	14	50	0	17
Jonesfield Twp.	59	0	15	44	0	33
Kochville Twp.	362	2	82	278	2	134
Lakefield Twp.	49	0	12	37	0	18
Maple Grove Twp.	82	0	21	61	0	34
Marion Twp.	46	0	5	41	0	6
Richland Twp.	162	1	23	138	1	30
Saginaw Twp.	1576	0	374	1202	0	551
St. Charles Twp.	72	0	18	54	0	24
Spaulding Twp.	88	1	16	71	2	26
Swan Creek Twp.	115	2	17	96	2	28
Taymouth Twp.	123	1	32	90	1	54
Tittabawassee Twp.	247	0	50	197	0	73
Thomas Twp.	403	0	78	325	0	122

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1996 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Zilwaukee Twp.	33	0	6	27	0	10
Birch Run	179	0	38	141	0	56
Merrill	9	0	3	6	0	5
Oakley	8	0	0	8	0	0
Tri City Airport	0	0	0	0	0	0
St. Charles	60	0	8	52	0	9
Zilwaukee	39	0	7	32	0	8
Chesaning	98	0	14	84	0	33
Frankenmuth	100	0	19	81	0	26
Saginaw Valley State College	12	0	1	11	0	2
Saginaw	3255	6	820	2429	8	1166
Unknown Community	25	0	5	20	0	7
Sanilac County						
Argyle Twp.	77	0	9	68	0	14
Austin Twp.	82	0	3	79	0	3
Bridgehampton Twp.	61	2	9	50	2	18
Buel Twp.	63	0	13	50	0	29
Custer Twp.	82	1	16	65	1	26
Delaware Twp.	52	0	6	46	0	6
Elk Twp.	61	0	10	51	0	11
Elmer Twp.	64	0	6	58	0	9
Evergreen Twp.	88	0	6	82	0	8
Flynn Twp.	52	0	11	41	0	18
Forester Twp.	89	1	13	75	1	24
Fremont Twp.	43	1	3	39	1	3
Greenleaf Twp.	100	0	8	92	0	12
Lamotte Twp.	97	0	18	79	0	25
Lexington Twp.	111	1	15	95	1	19
Maple Valley Twp.	47	0	10	37	0	12
Marion Twp.	77	0	14	63	0	22
Marlette Twp.	109	3	23	83	3	40
Minden Twp.	35	0	4	31	0	4
Moore Twp.	77	1	13	63	1	19
Sanilac Twp.	106	0	12	94	0	19
Speaker Twp.	65	0	10	55	0	10
Washington Twp.	95	0	7	88	0	8
Watertown Twp.	89	2	14	73	3	28
Wheatland Twp.	65	0	4	61	0	5
Worth Twp.	130	1	17	112	1	28
Applegate	2	0	0	2	0	0
Carsonville	11	0	0	11	0	0
Deckerville	6	0	1	5	0	1
Forestville	4	0	1	3	0	1
Lexington	13	0	2	11	0	2
Melvin	1	0	0	1	0	0
Minden City	2	0	1	1	0	2
Peck	2	0	0	2	0	0
Port Sanilac	6	0	1	5	0	2
Brown City	34	0	6	28	0	8
Croswell	38	0	4	34	0	6
Marlette	77	0	13	64	0	14
Sandusky	102	1	16	85	1	28
Unknown Community	18	0	4	14	0	5
Schoolcraft County						
Doyle Twp.	79	0	10	69	0	12
Germfask Twp.	28	0	3	25	0	7
Hiawatha Twp.	108	0	19	89	0	24
Inwood Twp.	54	0	6	48	0	12
Manistique Twp.	54	1	10	43	1	14
Mueller Twp.	68	2	7	59	4	9
Seney Twp.	78	0	11	67	0	17
Thompson Twp.	58	0	8	50	0	11

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1996 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Manistique	126	0	21	105	0	41
Unknown Community	18	0	2	16	0	4
Shiawassee County						
Antrim Twp.	83	0	9	74	0	13
Bennington Twp.	182	1	31	150	1	41
Burns Twp.	112	0	24	88	0	35
Caledonia Twp.	241	0	62	179	0	93
Fairfield Twp.	28	0	7	21	0	12
Hazelton Twp.	44	1	14	29	1	20
Middlebury Twp.	50	0	9	41	0	11
New Haven Twp.	50	1	21	28	2	25
Owosso Twp.	139	1	39	99	1	63
Perry Twp.	248	2	48	198	2	81
Rush Twp.	48	0	13	35	0	19
Sciota Twp.	86	0	16	70	0	22
Shiawassee Twp.	165	0	39	126	0	52
Venice Twp.	115	1	31	83	1	52
Vernon Twp.	215	3	53	159	3	81
Woodhull Twp.	223	1	59	163	1	84
Bancroft	5	0	1	4	0	1
Byron	9	0	1	8	0	1
Morrice	14	0	4	10	0	6
New Lothrop	3	0	0	3	0	0
Vernon	7	0	2	5	0	10
Lennon	2	0	1	1	0	1
Laingsburg	22	0	2	20	0	2
Perry	55	0	4	51	0	4
Corunna	110	0	32	78	0	49
Durand	61	0	12	49	0	13
Owosso	396	0	110	286	0	155
Unknown Community	23	0	0	23	0	0
St. Clair County						
Berlin Twp.	94	0	20	74	0	27
Brockway Twp.	81	0	23	58	0	46
Burtchville Twp.	122	1	28	93	1	56
Casco Twp.	174	2	40	132	2	58
China Twp.	125	3	34	88	3	62
Clay Twp.	182	3	49	130	3	79
Clyde Twp.	190	1	45	144	1	64
Columbus Twp.	135	2	37	96	2	56
Cottreville Twp.	105	2	28	75	2	39
East China Twp.	56	0	21	35	0	27
Emmett Twp.	87	1	20	66	1	33
Fort Gratiot Twp.	391	1	104	286	1	166
Grant Twp.	49	0	10	39	0	15
Greenwood Twp.	64	1	9	54	1	14
Ira Twp.	173	2	53	118	3	91
Kenockee Twp.	77	0	20	57	0	31
Kimball Twp.	341	2	92	247	2	152
Lynn Twp.	83	0	13	70	0	21
Mussey Twp.	105	0	24	81	0	33
Port Huron Twp.	566	4	143	419	4	211
Riley Twp.	85	1	21	63	1	33
St. Clair Twp.	211	3	45	163	3	68
Wales Twp.	86	1	20	65	1	25
Emmett	4	0	1	3	0	1
Capac	24	0	2	22	0	2
Memphis	3	0	1	2	0	1
Yale	54	0	10	44	0	12
Algonac	55	1	7	47	1	7
Marine City	113	0	21	92	0	37
St. Clair	114	0	33	81	0	50

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1996 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Marysville	260	0	67	193	0	91
Port Huron	1441	4	324	1113	4	476
Unknown Community	12	0	3	9	0	3
St. Joseph County						
Burr Oak Twp.	87	0	21	66	0	26
Colon Twp.	98	1	11	86	1	17
Constantine Twp.	114	0	28	86	0	48
Fabius Twp.	215	5	38	172	5	62
Fawn River Twp.	74	0	14	60	0	16
Florence Twp.	76	0	18	58	0	22
Flowerfield Twp.	84	0	14	70	0	16
Leondias Twp.	67	1	14	52	2	22
Lockport Twp.	188	4	36	148	5	50
Mendon Twp.	88	0	28	60	0	39
Mottville Twp.	88	0	23	65	0	39
Nottawa Twp.	101	1	14	86	1	30
Park Twp.	148	1	37	110	2	60
Sherman Twp.	208	1	31	176	1	47
Sturgis Twp.	123	0	35	88	0	57
White Pigeon Twp.	104	1	22	81	1	27
Burr Oak	13	0	3	10	0	4
Mendon	7	0	1	6	0	1
Centreville	20	0	6	14	0	9
Colon	13	0	0	13	0	0
Constantine	52	0	19	33	0	23
White Pigeon	27	0	7	20	0	10
Sturgis	367	2	80	285	2	114
Three Rivers	288	0	66	222	0	83
Unknown Community	27	0	8	19	0	11
Tuscola County						
Akron Twp.	79	4	25	50	5	41
Almer Twp.	91	0	19	72	0	30
Arbela Twp.	105	0	25	80	0	39
Columbia Twp.	28	0	5	23	0	9
Dayton Twp.	113	2	22	89	2	36
Denmark Twp.	83	0	21	62	0	23
Elkland Twp.	97	0	5	92	0	7
Ellington Twp.	92	0	14	78	0	16
Elmwood Twp.	57	0	4	53	0	4
Fairgrove Twp.	53	2	13	38	2	19
Fremont Twp.	151	4	24	123	5	39
Gilford Twp.	35	1	12	22	2	17
Indian Fields Twp.	189	0	25	164	0	35
Juniata Twp.	112	1	15	96	1	25
Kingston Twp.	82	0	9	73	0	10
Koylton Twp.	86	0	10	76	0	14
Millington Twp.	136	0	33	103	0	37
Novesta Twp.	114	1	18	95	1	29
Tuscola Twp.	86	0	32	54	0	42
Vassar Twp.	146	1	29	116	1	48
Watertown Twp.	37	0	5	32	0	13
Wells Twp.	112	0	15	97	0	21
Wisner Twp.	31	1	5	25	1	8
Akron	1	0	0	1	0	0
Fairgrove	2	0	1	1	0	1
Gagetown	2	0	0	2	0	0
Kingston	11	0	2	9	0	3
Mayville	26	0	4	22	0	4
Unionville	7	0	2	5	0	3
Cass City	66	0	11	55	0	15
Millington	24	0	6	18	0	6
Reese	11	0	3	8	0	6

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1996 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Caro	237	1	41	195	1	53
Vassar	58	0	12	46	0	18
Unknown Community	12	0	2	10	0	2
Van Buren County						
Almena Twp.	171	1	39	131	1	56
Antwerp Twp.	245	0	72	173	0	112
Arlington Twp.	74	0	12	62	0	20
Bangor Twp.	80	1	15	64	1	20
Bloomingtondale Twp.	104	0	26	78	0	34
Columbia Twp.	91	0	22	69	0	35
Covert Twp.	147	0	35	112	0	48
Decatur Twp.	101	1	27	73	1	45
Geneva Twp.	176	0	50	126	0	73
Hamilton Twp.	76	1	21	54	1	35
Hartford Twp.	173	2	49	122	2	84
Keeler Twp.	87	1	26	60	1	36
Lawrence Twp.	176	3	36	137	4	56
Paw Paw Twp.	296	4	68	224	4	106
Pine Grove Twp.	98	2	14	82	2	24
Porter Twp.	82	0	18	64	0	23
South Haven Twp.	260	1	70	189	1	118
Waverly Twp.	143	0	29	114	0	37
Bloomingtondale	4	0	1	3	0	1
Breedsville	1	0	0	1	0	0
Gobles	20	1	8	11	1	13
Lawrence	18	0	6	12	0	7
Bangor	60	0	12	48	0	15
Decatur	41	0	9	32	0	10
Lawton	47	0	8	39	0	12
Mattawan	67	0	8	59	0	10
Hartford	2	0	0	2	0	0
Paw Paw	163	1	32	130	1	46
South Haven	212	0	42	170	0	60
Unknown Community	12	0	2	10	0	2
Washtenaw County						
Ann Arbor Twp.	581	2	137	442	3	192
Augusta Twp.	139	1	46	92	1	78
Bridgewater Twp.	108	0	28	80	0	46
Dexter Twp.	186	2	39	145	2	58
Freedom Twp.	70	1	16	53	1	20
Lima Twp.	193	0	39	154	0	50
Lodi Twp.	178	0	35	143	0	49
Lyndon Twp.	130	1	21	108	1	25
Manchester Twp.	143	0	17	126	0	18
Northfield Twp.	356	2	79	275	3	114
Pittsfield Twp.	1257	0	310	947	0	442
Salem Twp.	163	0	51	112	0	68
Saline Twp.	86	1	21	64	2	31
Scio Twp.	645	3	132	510	4	176
Sharon Twp.	108	1	18	89	1	23
Superior Twp.	389	1	87	301	2	142
Sylvan Twp.	280	1	59	220	1	87
Webster Twp.	176	0	35	141	0	50
York Twp.	233	2	66	165	3	83
Ypsilanti Twp.	1537	3	487	1047	3	738
Barton Hills	3	0	1	2	0	1
Dexter	70	0	15	55	0	19
Hudson Mills Metropark	1	0	0	1	0	0
Manchester	49	0	3	46	0	3
Chelsea	162	0	32	130	0	41
Milan	71	0	16	55	0	20
Saline	232	0	44	188	0	69

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1996 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Eastern Michigan University	11	0	2	9	0	2
Ypsilanti	1172	2	242	928	2	304
Ann Arbor	4141	3	937	3201	3	1240
Unknown Community	47	0	14	33	0	15
Wayne County						
Brownstown Twp.	784	1	254	529	1	386
Canton Twp.	1830	6	471	1353	6	699
Grosse Ile Twp.	130	0	26	104	0	35
Grosse Pointe Twp.	0	0	0	0	0	0
Huron Twp.	338	1	91	246	1	127
Northville Twp.	459	0	129	330	0	191
Plymouth Twp.	1141	2	274	865	2	390
Redford Twp.	2145	5	456	1684	5	627
Sumpter Twp.	164	1	52	111	1	86
Van Buren Twp.	823	2	230	591	3	337
Belleville	94	1	21	72	1	24
Gibraltar	66	0	20	46	0	25
Grosse Pointe Shores	46	0	15	31	0	27
Rockwood	92	0	17	75	0	20
Wood Haven	452	2	106	344	3	136
Flat Rock	194	0	51	143	0	71
Grosse Pointe	2	0	0	2	0	0
Lower Huron Metropark	4	0	1	3	0	1
Northville	103	0	22	81	0	31
Ecorse	237	2	77	158	2	104
Grosse Pointe Farms	232	0	67	165	0	88
Grosse Pointe Park	235	0	33	202	0	36
Grosse Pointe Woods	255	0	58	197	0	73
Harper Woods	541	1	142	398	1	196
Melvindale	327	0	85	242	0	116
Plymouth	309	0	70	239	0	102
River Rouge	149	1	22	126	1	28
Riverview	242	0	56	186	0	69
Romulus	1403	8	370	1025	9	549
Trenton	370	2	113	255	2	156
Wayne	695	2	178	515	2	252
Allen Park	1180	0	296	884	0	403
Garden City	1065	1	325	739	1	490
Hamtramck	750	2	124	624	2	158
Highland Park	497	0	164	333	0	247
Inkster	865	3	186	676	3	260
Southgate	1299	0	317	982	0	456
Wyandotte	846	1	159	686	1	204
Detroit Metropolitan Airport	242	0	50	192	0	65
Dearborn Heights	1930	3	495	1432	3	706
Lincoln Park	1611	5	366	1240	5	505
Taylor	2762	5	921	1836	5	1420
Westland	2132	8	720	1404	10	1102
Dearborn	5473	5	1401	4067	5	1971
Livonia	4571	4	1166	3401	4	1697
Detroit	54567	158	14038	40371	164	20667
Unknown Community	30	0	3	27	0	4
Wexford County						
Antioch Twp.	72	1	7	64	1	14
Boon Twp.	25	0	6	19	0	8
Cedar Creek Twp.	74	1	12	61	3	21
Cherry Grove Twp.	69	0	7	62	0	12
Clam Lake Twp.	231	2	40	189	2	57
Colfax Twp.	53	1	7	45	1	8
Greenwood Twp.	32	0	3	29	0	4
Haring Twp.	261	2	63	196	2	93
Hanover Twp.	28	0	4	24	0	7

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1996 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Henderson Twp.	29	0	9	20	0	11
Liberty Twp.	64	0	10	54	0	15
Selma Twp.	137	1	29	107	2	49
Slagle Twp.	18	0	2	16	0	4
South Branch Twp.	53	0	2	51	0	6
Springville Twp.	67	1	13	53	1	18
Wexford Twp.	33	0	10	23	0	19
Buckley	5	0	0	5	0	0
Harrietta	0	0	0	0	0	0
Mesick	25	0	3	22	0	4
Manton	12	0	3	9	0	4
Cadillac	667	0	115	552	0	161
Unknown Community	11	0	2	9	0	3
Unknown County						
Unknown Community	108	0	17	91	0	22

REGISTRATION TRANSACTIONS
(Includes Original, Renewal, Correction, and Replacements)
 Registration data courtesy of the Michigan Department of State [16]

COUNTY	VEHICLE							OTHER			
	Passenger	Commercial	Trailer	Motorcycle	Total Plates	Total Revenue	Watercraft	Snowmobile	Moped		
Alcona	7,097	3,494	2,451	120	13,162	\$ 644,260.28	2,461	734	81		
Alger	5,039	2,871	1,514	181	9,605	465,487.87	1,667	1,371	16		
Allegan	57,328	24,201	14,671	1,564	97,764	5,441,665.50	10,483	2,673	276		
Alpen	18,701	9,149	5,796	410	34,056	1,820,929.96	4,383	1,915	51		
Antrim	13,501	5,712	4,047	334	23,594	1,236,571.28	4,736	1,582	60		
Arenac	9,682	4,851	3,089	229	17,851	947,754.74	3,731	1,234	48		
Baraga	4,013	2,485	1,147	116	7,761	435,864.02	1,010	655	9		
Barry	31,129	13,821	8,814	943	54,707	2,735,354.09	8,369	1,372	110		
Bay	71,218	23,131	17,393	1,555	113,297	6,203,523.77	10,010	4,498	293		
Benzie	9,283	3,945	2,882	228	16,338	785,530.34	3,607	1,011	32		
Berrien	104,943	32,354	17,661	2,424	157,382	8,420,049.35	13,357	2,546	506		
Branch	23,925	11,183	6,609	616	42,333	2,304,478.89	5,989	743	135		
Calhoun	87,584	26,385	14,708	1,974	130,651	6,926,304.67	10,091	1,402	416		
Cass	28,544	12,251	7,261	789	48,845	2,515,280.30	8,262	1,786	133		
Charlevoix	15,695	6,787	4,325	494	27,301	1,450,156.65	4,504	2,034	67		
Cheboygan	14,724	7,255	4,566	375	26,920	1,409,431.47	4,930	2,700	78		
Chippewa	17,790	8,912	5,176	477	32,355	1,717,887.62	4,482	3,660	85		
Clare	17,331	8,478	5,355	447	31,611	1,612,165.49	4,212	1,467	58		
Clinton	37,273	14,150	9,838	899	62,160	3,363,958.70	5,971	2,020	212		
Crawford	7,176	3,521	2,418	179	13,294	681,469.11	2,689	1,140	28		
Delta	23,451	11,884	7,530	595	43,460	2,266,862.29	4,652	2,742	138		
Dickinson	16,223	8,188	5,203	545	30,159	1,648,707.92	3,348	1,768	161		
Eaton	62,829	20,611	12,909	1,534	97,883	5,678,202.14	8,258	1,862	238		
Emmet	19,718	7,872	4,780	484	32,854	1,811,038.45	4,805	2,185	132		
Genesee	279,129	75,416	43,399	5,839	403,783	22,833,000.28	31,788	9,468	655		
Gladwin	14,916	7,348	4,832	429	27,525	1,366,562.46	4,585	1,494	79		
Gogebic	9,386	4,690	2,245	244	16,565	820,307.05	2,351	1,438	46		
Grand Traverse	50,281	16,847	12,545	1,207	80,880	4,593,659.70	11,902	3,800	158		

REGISTRATION TRANSACTIONS (continued)

COUNTY	VEHICLE										OTHER		
	Passenger	Commercial	Trailer	Motorcycle	Total Plates	Total Revenue	Watercraft	Snowmobile	Moped				
Gratiot	23,471	10,141	6,925	574	41,111	\$ 2,237,854.24	3,413	1,262	116				
Hillsdale	25,378	12,126	6,558	718	44,780	2,326,425.99	4,680	782	129				
Houghton	18,051	7,355	3,343	468	29,217	1,504,031.12	3,395	2,138	76				
Huron	23,303	11,397	6,468	515	41,683	2,367,947.61	3,313	2,383	223				
Ingham	179,537	41,231	21,905	3,459	246,132	14,824,705.42	15,689	3,050	665				
Ionia	32,012	13,529	7,892	829	54,262	2,790,996.02	4,975	1,163	168				
Iosco	17,335	7,709	5,477	369	30,890	1,588,615.86	4,950	1,336	104				
Iron	7,472	4,180	2,345	224	14,221	707,053.48	2,359	947	41				
Isabella	27,580	11,806	6,911	617	46,914	2,801,836.24	4,299	1,361	89				
Jackson	93,452	32,200	18,615	2,619	146,886	8,045,001.12	15,097	2,676	392				
Kalamazoo	148,654	37,003	22,390	3,276	211,323	12,155,903.66	18,419	2,594	542				
Kalkaska	8,636	5,652	3,471	273	18,032	1,362,069.32	2,460	1,425	29				
Kent	351,266	96,166	62,103	6,981	516,516	33,308,371.72	43,526	8,203	1,214				
Keweenaw	1,031	478	209	20	1,738	84,129.35	351	128	6				
Lake	5,512	2,958	1,714	153	10,337	491,604.90	2,123	700	23				
Lapeer	49,736	22,441	12,043	1,547	85,767	4,726,787.18	6,643	2,959	143				
Leelanau	12,123	4,622	3,698	278	20,721	1,080,837.44	4,747	1,238	77				
Lenawee	58,113	22,952	12,305	1,663	95,033	5,102,841.42	8,679	2,637	351				
Livingston	90,960	31,403	19,624	2,728	144,715	9,023,535.36	15,860	4,326	188				
Luce	3,170	2,159	1,470	58	6,857	389,357.98	1,285	885	11				
Mackinac	6,377	3,543	2,125	142	12,187	634,114.45	2,889	1,930	28				
Macomb	535,150	116,010	57,674	9,787	718,621	44,590,973.47	47,530	12,805	1,422				
Manistee	14,587	6,664	4,410	395	26,056	1,327,833.54	3,567	1,040	94				
Marquette	35,752	15,548	8,216	1,088	60,604	3,139,832.74	6,723	4,107	151				
Mason	16,996	7,376	4,644	444	29,460	1,541,866.39	4,038	1,043	110				
Mecosta	19,694	8,763	5,347	449	34,253	1,782,242.77	4,628	1,083	58				
Menominee	13,379	6,485	4,258	373	24,495	1,272,508.01	2,590	1,281	290				
Midland	54,652	15,980	12,859	1,341	84,832	4,448,052.16	8,969	2,023	176				
Missaukee	7,057	4,335	2,723	222	14,337	769,246.98	2,039	1,041	30				

REGISTRATION TRANSACTIONS (continued)

COUNTY	VEHICLE										OTHER		
	Passenger	Commercial	Trailer	Motorcycle	Total Plates	Total Revenue	Watercraft	Snowmobile	Moped				
Monroe	87,215	32,448	16,668	2,542	138,873	\$ 7,887,082.76	10,275	3,520	443				
Montcalm	31,995	14,982	9,287	791	57,055	2,935,350.54	6,662	1,491	214				
Montmorency	5,717	3,427	2,203	137	11,484	609,344.52	2,149	1,193	20				
Muskegon	101,737	30,538	20,989	2,813	156,077	7,917,680.48	14,571	3,234	548				
Newaygo	25,078	11,807	7,772	681	45,338	2,217,834.01	6,293	1,821	143				
Oakland	832,561	156,880	87,384	15,659	1,092,484	74,246,047.29	78,905	18,016	1,749				
Oceana	14,669	7,188	3,634	388	25,879	1,324,425.11	2,728	1,150	97				
Ogemaw	12,234	6,497	4,219	316	23,266	1,227,590.98	3,236	1,403	49				
Ontonagon	4,694	2,852	1,500	116	9,162	452,541.62	1,102	1,297	15				
Osceola	12,386	6,713	3,767	283	23,149	1,243,806.16	2,468	1,141	31				
Oscoda	5,172	2,820	1,692	158	9,842	488,597.13	1,784	802	12				
Otsego	13,079	6,472	3,890	368	23,809	1,461,051.88	2,862	2,213	40				
Ottawa	132,774	38,909	31,874	3,079	206,636	11,926,614.32	22,072	4,801	863				
Presque Isle	8,713	5,083	2,983	191	16,970	867,428.03	2,914	1,310	41				
Roscommon	16,124	6,689	5,134	336	28,283	1,435,918.76	6,170	3,033	149				
Saginaw	136,348	37,103	25,776	2,282	201,509	11,330,406.08	16,099	5,948	424				
St. Clair	100,635	34,681	18,099	2,599	156,014	8,562,366.96	13,974	4,127	354				
St. Joseph	36,120	14,916	8,853	1,293	61,182	3,098,459.99	8,274	808	224				
Sanilac	25,544	12,367	6,122	749	44,782	2,490,180.86	2,226	1,472	74				
Schoolcraft	4,690	2,876	1,813	131	9,510	499,444.71	1,776	1,115	31				
Shiawassee	43,940	18,150	11,022	1,256	74,368	4,033,488.51	5,821	2,516	212				
Tuscola	34,673	16,405	10,101	965	62,144	3,163,547.45	4,609	2,798	161				
Van Buren	42,560	17,218	8,910	1,120	69,808	3,559,688.11	7,813	1,756	221				
Washtenaw	187,465	40,263	19,084	3,918	250,730	14,840,121.91	14,603	3,231	547				
Wayne	1,306,358	228,197	95,650	18,470	1,648,675	104,584,043.30	70,204	13,122	2,597				
Wexford	17,965	7,538	5,110	473	31,086	1,652,517.45	4,337	1,925	76				
Non-Resident	56,469	19,640	12,059	380	88,548	30,895,190.19	35,763	4,156	123				
Unknown County							471	62	9				
Totals	6,235,260	1,722,663	986,481	128,335	9,072,739	\$563,513,809.44	786,030	219,307	20,714				

1996

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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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