1995
Michigan Traffic Crash Facts

EXECUTIVE SUMMARY

The 1995 traffic fatality count was 1,537, up 8.3 percent from the 1994 figure of 1,419. Compared with 1994, injuries were up 2.9 percent and total crashes were up 5.8 percent. These figures translated into a death rate of 1.8 per 100 million miles of travel, up 5.9 percent from the death rate of 1.7 reported in 1994. Nationally, fatalities were up 2.1 percent.

Exposure factors in 1995 showed increases in vehicle registrations, the number of licensed drivers, and travel mileage. They included motor vehicle registrations up 1.1 percent to 7.75 million; the number of drivers up 0.9 percent to 7.73 million; and vehicle travel mileage up 0.1 percent to 85.7 billion.

Consumption of alcohol continues to be a major factor in Michigan crashes, particularly the more serious crashes. In 1995, less than 6 percent of all crashes, including property damage only, were reported to involve drinking and less than 25 percent resulted in injury or death. However, almost 50 percent of alcohol-related crashes involved injury or death, and more than 36 percent of _fatal_ crashes involved drinking. Over 60 percent of alcohol-related fatal crashes involved only one vehicle, whereas only 30 percent of all crashes involved one vehicle.

Data on crashes in this book was obtained from 1995 Michigan Traffic Crash Report Forms (UD-10) submitted by local police departments, sheriff jurisdictions, and the Department of State Police. Other related information was obtained from the Departments of Transportation, State, and Public Health.

This publication was produced for the Office of Highway Safety Planning by the University of Michigan Transportation Research Institute with data on file at the Michigan Department of State Police as of May 1, 1996. We acknowledge, with appreciation, all involved agencies for their assistance.
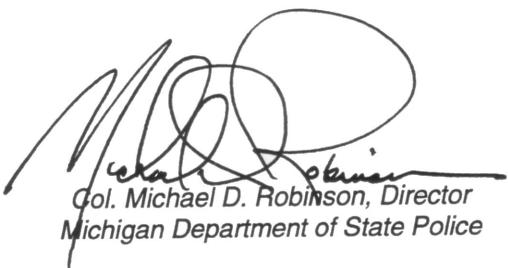
Col. Michael D. Robinson, Director
Michigan Department of State Police

1995 Michigan Traffic Crash Facts

INTRODUCTION

We are pleased to present the *1995 Michigan Traffic Crash Facts*. Many of your comments and suggestions about the 1994 version were incorporated in the 1995 version. The Subject Index in the back was expanded to help you find more quickly the data you need.

Readers should take special note of a change in the way we processed 1995 fatalities. In previous years, alcohol involvement in fatal crashes remained on the State traffic crash file just as it was reported by the investigating officer. The USDOT Fatal Accident Reporting System (FARS) file, however, was updated if a later report indicated alcohol involvement. In 1995, we made a special effort to update the State file if we later discovered (by lab reports, death records, etc.) that alcohol was present in the victim's blood at the time of death. This modification resulted in a higher number of Alcohol Involved Fatalities being reported on the State file. When compared to previous years, it may appear that alcohol involvement increased sharply, when in reality, it was a result of our updating the State traffic crash file. Accordingly, we have updated the five- and ten-year trend charts for total alcohol involved fatalities in 1992-1994.

Your comments are important to us, so please take a moment to complete the enclosed questionnaire and return it to us. We try to make this report as useful as we can. This report is also available on the internet as part of OHSP's Home Page **(http://www.ohsp.msp.state.mi.us)**.
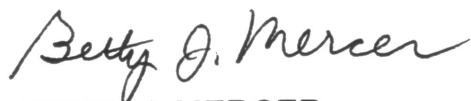
Betty J. Mercer

BETTY J. MERCER
Division Director
Office of Highway Safety Planning

UD-10 (FRONT)

UD-10 (BACK)

ABBREVIATIONS & ACRONYMS

- **BAC**   **Bodily Alcohol Content** (formerly referred to as Blood Alcohol Content or Blood Alcohol Concentration). Determination of percent by weight of ethyl alcohol in blood. Usually measured in grams.

- **CJDC**   **Criminal Justice Data Center**. A division of the Michigan Department of State Police.

- **FHWA**   **Federal Highway Administration**. A part of the United States Department of Transportation.

- **HBD**   **Had Been Drinking** and/or under the influence of drugs.

- **HNBD**   **Had Not Been Drinking** and/or under the influence of drugs.

- **KABC**   Injury severity scale for traffic crash-related injuries: **K - Fatal**, **A - Incapacitating**, **B - Nonincapacitating**, **C - Possible.** See Glossary for definitions.

- **MALI**   **Michigan Accident Location Index** (pronounced "MAY-lie")

- **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

1995 QUICK FACTS

- Some exposure factor comparisons between 1995 and 1994 show motor vehicle registrations rose **1.1** percent, number of drivers increased **0.9** percent, and vehicle mileage increased **0.1** percent.

- The 1995 death rate rose to **1.8** deaths per 100 million miles of travel. Although it is an increase over the 1994 death rate of **1.7**, it is below the ten-year average of **1.9** (1986-1995).

- There were **1,537** persons killed and **146,303** persons injured in **421,073** reported motor vehicle traffic crashes in Michigan during 1995. Compared with 1994 experience, deaths increased **8.3** percent, injuries increased **2.9** percent, and total reported crashes showed a **5.8** percent increase.

- This year's death toll of **1,537** was up **8.3** percent from the 1994 figure of **1,419**.

- The **1,537** persons killed were the result of **1,386** fatal crashes for an average of **1.1** deaths per fatal crash.

- There were **421,073** reported crashes of which **1,386** were fatal, **100,207** were personal injury, and **319,480** were property damage only crashes.

- Of all fatal crashes, **31.2** percent occurred at intersections.

- Of all fatal crashes, **36.9** percent involved at least one drinking operator or pedestrian.

- Excessive speed was indicated as the hazardous action by **15.8** percent of the drivers involved in fatal crashes.

- In 1995 there were **124,599** single vehicle crashes, an increase of **13.6** percent over last year's count of **109,680**.

- Of the **421,073** total crashes, **124,599 (29.6%)** involved one vehicle.

- Of the **1,386** fatal crashes, **613 (44.2%)** involved one vehicle.

- Of the **512** alcohol-related fatal crashes, **311 (60.7%)** involved one vehicle.

- Of the **2,311** drivers involved in fatal crashes, **14.0** percent were under 21 years of age and **23.5** percent of all drivers involved in fatal crashes were under 25 years of age.

- In the last five years, **7,095** persons have been killed in Michigan traffic crashes. This is an average of **1,419** per year. During the previous five-year period, **7,121** persons were killed for an average of **1,424** per year.

- Of the **9,549,353** persons living in Michigan [1] one out of every **6,213** was killed in a traffic crash; one out of every **65** persons was injured.

- For each person killed there were **95.2** persons injured.

- There were **146,303** 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 **190** persons. This represents an increase of **8** deaths over the 1994 figure.

- For each pedestrian killed, there were **18.4** pedestrians injured.

- Of the pedestrians killed, **33.7** percent were killed while crossing streets other than at intersections.

- Of all pedestrians killed, **20.0** percent were under the age of 21 years and **25.8** percent were 55 and older.

- During the past five years, a total of **893** pedestrians have been killed, an average of **179** per year.

- Children under the age of **16** accounted for **46.4** percent of the bicycle deaths.

- Of the **750,324** drivers and injured passengers involved in crashes, **596,413** or **79** percent were *reported* to have been using occupant restraints. Restraint usage among fatal victims was reported to be **38.7** percent in 1995.

- Motor vehicle occupants age 65 to 74 had the highest restraint use **(92.0%)** of any other age group.

- The economic loss in Michigan traffic crashes amounted to **$9,998,650,000**.

Michigan's Crash Watch

Every 1.3 minutes a traffic crash occurs

One person is killed in a crash every 5.7 hours

One person is injured in a crash every 3.6 minutes

One person is killed in an alcohol-related crash every 15.5 hours

One driver under age 21 is in a fatal crash every 27 hours

One bicyclist is injured every 3.3 hours

One pedestrian is injured every 2.5 hours

One motorcyclist is injured every 3.8 hours
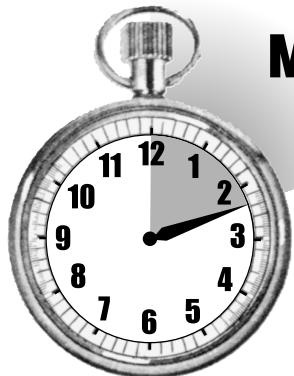
Historical Information

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VEHICLE REGISTRATIONS

Number of Motor Vehicles

Year	Vehicles
86	6,952,263
87	7,061,339
88	7,196,609
89	7,233,823
90	7,300,853
91	7,329,789
92	7,411,192
93	7,495,904
94	7,669,022
95	7,751,336
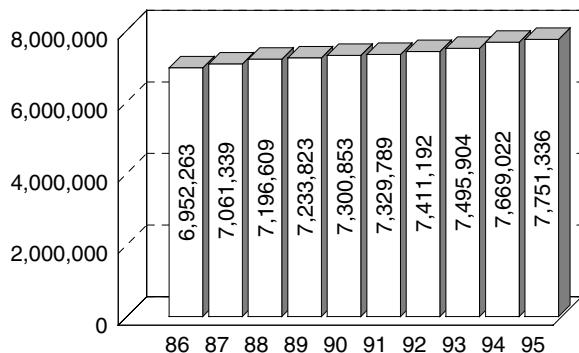
Vehicle Registrations have been increasing steadily since 1986, reaching 7,751,336 in 1995.

VEHICLES MILES TRAVELED

Billions of Miles

Year	Miles
86	70.6
87	75.7
88	77.7
89	79.9
90	81.2
91	81.9
92	84
93	85.7
94	85.6
95	85.7
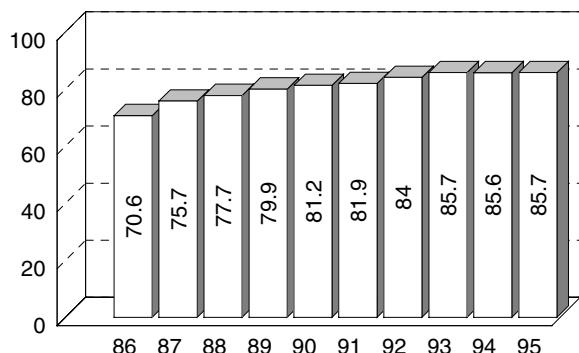
Vehicle miles of travel have increased 21.4 percent since 1986, reaching 85.7 billion miles in 1995.

CRASHES

Number of Crashes

Year	Crashes
86	400,694
87	397,224
88	410,437
89	417,252
90	387,180
91	364,847
92	344,942
93	363,636
94	398,050
95	421,073
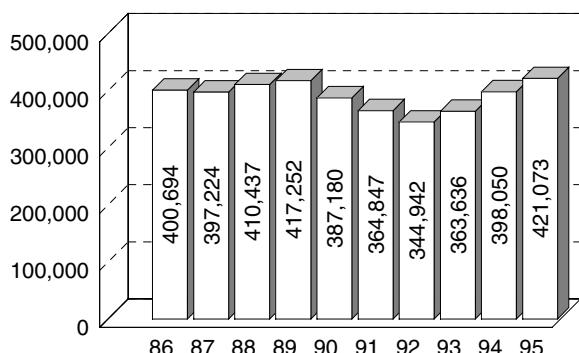
There were 421,073 total crashes statewide in 1995, a ten year high.

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YEAR

10 YEAR TRENDS (continued)

DEATHS
Number of Deaths

Year	Deaths
86	1,632
87	1,632
88	1,704
89	1,630
90	1,563
91	1,425
92	1,300
93	1,414
94	1,419
95	1,537
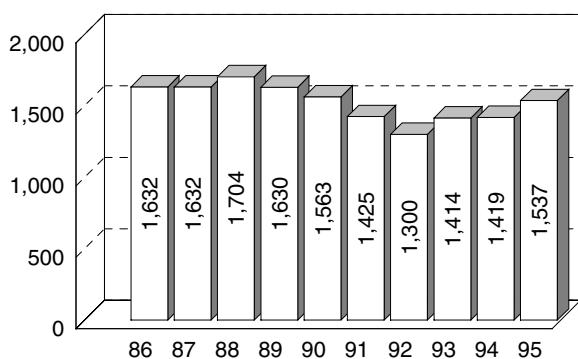
Deaths in motor vehicle crashes began increasing in 1993 after a steady decline from 1988 with a low of 1,300 in 1992. In 1995, 1,537 people died in motor vehicle crashes.

INJURIES
Number of Injuries

Year	Injuries
86	158,032
87	156,318
88	155,713
89	154,537
90	145,179
91	135,830
92	118,727
93	134,548
94	142,200
95	146,303
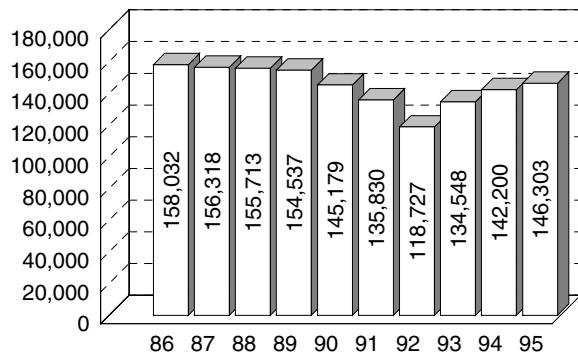
Mirroring the trend in deaths, nonfatal injuries had declined since 1986, with a low in 1992. 146,303 people received nonfatal injuries in Michigan motor vehicle crashes in 1995, up 2.9 percent from 1994.

FATAL CRASHES
Number of Fatal Crashes

Year	Fatal Crashes
86	1,466
87	1,452
88	1,522
89	1,463
90	1,396
91	1,290
92	1,179
93	1,269
94	1,262
95	1,386
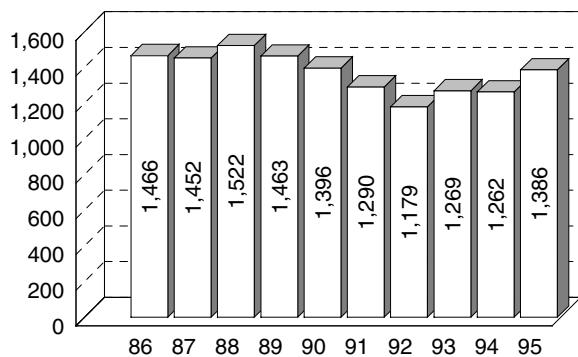
After reaching a peak in 1988, fatal crashes had declined until 1992. In 1995, there were 1,386 fatal crashes, up 9.8 percent from 1994.

HBD FATALITIES

Number of HBD Fatalities

Year	Value	Additional
86	813	
87	808	
88	793	
89	738	
90	738	
91	635	
92	430	72
93	466	109
94	452	78
95	566	

10
YEAR
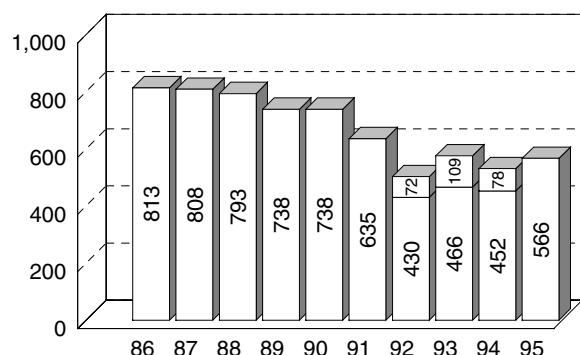
Deaths in alcohol related crashes had decreased from 1986 until 1993. There were 566 HBD fatalities in 1995, up 6.8 percent from 1994.

Revised HBD Fatality & Fatal Crash Counts

The numbers in the upper sections of the bars for 1992-1994 represent additional alcohol-related fatalities (and HBD fatal crashes below) that were reported after the official May 1 file close-out date in the following year. New procedures in the handling of fatal crash reports, begun in January 1995, have resulted in more timely identification of alcohol involvement in fatal crashes.

HBD INJURIES

Number of HBD Injuries

Year	Value
86	27,394
87	26,371
88	25,438
89	24,166
90	23,144
91	20,238
92	16,113
93	17,011
94	16,974
95	16,190

Mirroring the trend in deaths, HBD injuries decreased until 1993. There were 16,190 injuries in 1995, down 4.6 percent from 1994.

HBD FATAL CRASHES

Number of HBD Fatal Crashes

Year	Value	Additional
86	721	
87	692	
88	705	
89	651	
90	660	
91	571	
92	396	63
93	418	100
94	404	71
95	512	
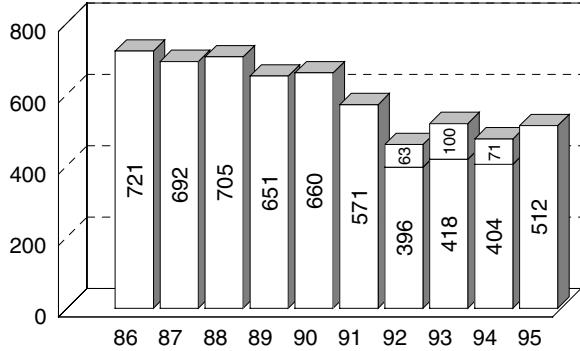
Alcohol involvement in fatal crashes has decreased 29 percent since 1986. In 1995, there were 512 HBD fatal crashes, up 7.8 percent from 1994.

RESTRAINT USAGE

Annual Average Percentage of Occupants

Year	Value
86	77.8
87	79.2
88	79.7
89	83.2
90	84.0
91	86.3
92	76.4
93	79.0
94	80.0
95	79.5
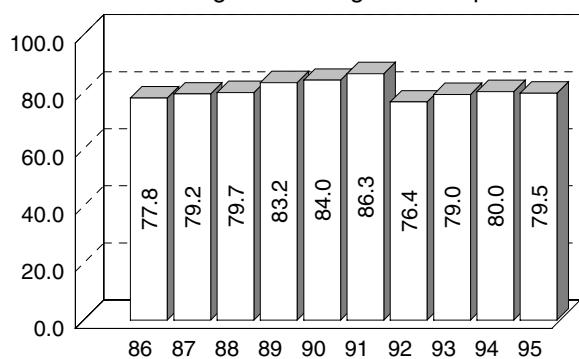
The percentage of motor vehicle occupants using restraints as reported by police in traffic crashes increased dramatically following implementation of Michigan's safety belt use law in July 1985. It continued to increase slowly until declining for the first time in 1992.

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

TOTAL DRIVERS

Millions of Drivers

Year	Value
86	7.24
87	7.29
88	7.33
89	7.39
90	7.44
91	7.6
92	7.78
93	7.64
94	7.66
95	7.73
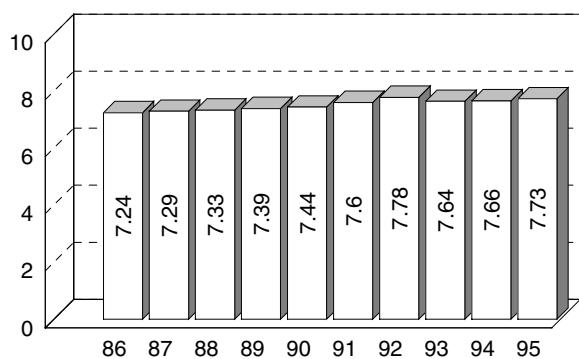
The number of drivers in Michigan increased 0.9 percent to 7,733,397 million in 1995.

TOTAL CRASH RATE

All Crashes Per 100 Million Vehicle Miles

Year	Value
86	567.4
87	524.6
88	528.2
89	522.2
90	476.8
91	445.5
92	410.6
93	424.3
94	465
95	491.3
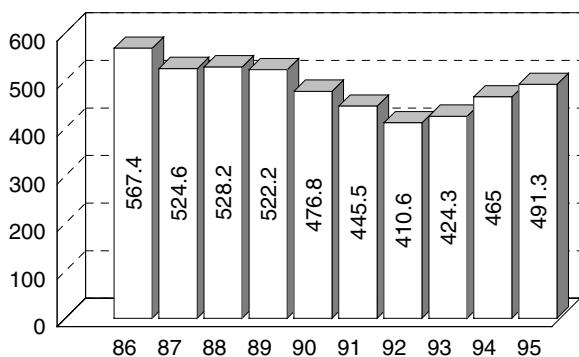
The 491.3 total crash rate in 1995 is a 5.7 percent increase from 1994.

MILEAGE DEATH RATE

Deaths Per 100 Million Vehicle Miles

Year	Rate
86	2.3
87	2.2
88	2.2
89	2
90	1.9
91	1.7
92	1.5
93	1.6
94	1.7
95	1.8
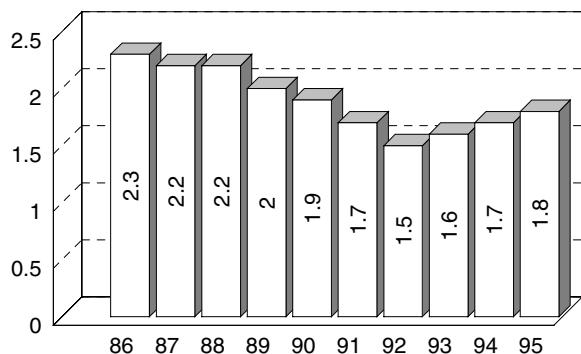
The 1.8 death rate in 1995 is a 5.9 percent increase from 1994.

PERSONAL INJURY CRASH RATE

Injury Crashes Per 100 Million Vehicle Miles

Year	Rate
86	152
87	139.7
88	135.2
89	130.4
90	120
91	111.7
92	96.5
93	107
94	114.1
95	116.9
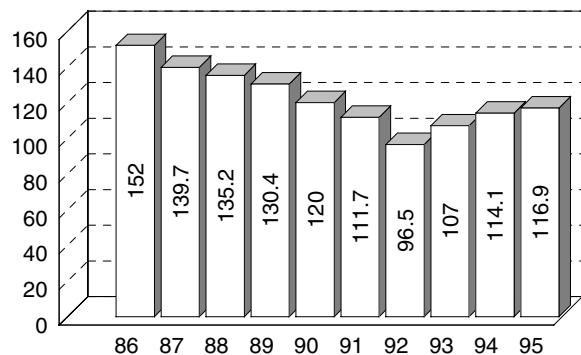
The 116.9 personal injury crash rate in 1995 is a 2.5 percent increase from 1994.

PROPERTY DAMAGE CRASH RATE

Property Damage Crashes Per 100 Million Vehicle Miles

Year	Rate
86	413.3
87	383
88	391.1
89	390
90	355.1
91	332.2
92	312.7
93	315.8
94	349.4
95	372.8
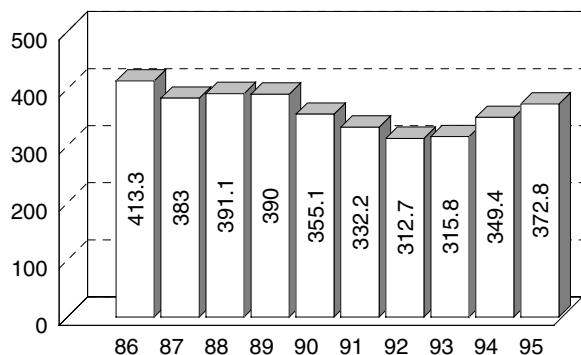
The 372.8 property damage crash rate in 1995 is a 6.7 percent increase from 1994.

VEHICLE-TRAIN CRASHES

Number of Crashes

Year	Crashes
86	287
87	266
88	234
89	279
90	203
91	176
92	153
93	133
94	147
95	121
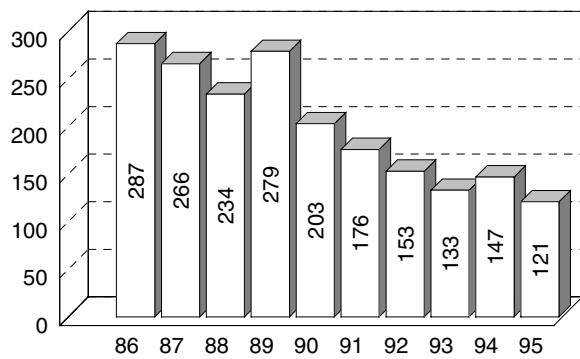
121 vehicle-train crashes occurred in 1995, a 17.7 percent decrease from 1994. Train data is provided by the Michigan Department of Transportation [3].

VEHICLE-DEER CRASHES

Number of Crashes

Year	Crashes
86	34,252
87	38,927
88	42,868
89	46,784
90	45,945
91	48,233
92	42,494
93	47,879
94	56,666
95	62,535
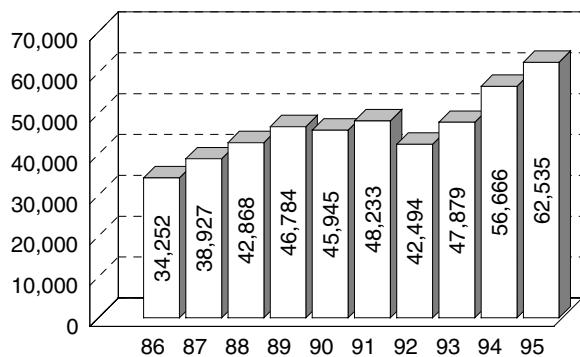
There has been an 82.6 percent rise from 34,252 vehicle-deer crashes in 1986 to 62,535 in 1995.

FARM EQUIPMENT CRASHES

Number of Crashes

Year	Crashes
86	394
87	345
88	300
89	304
90	301
91	263
92	296
93	368
94	337
95	292
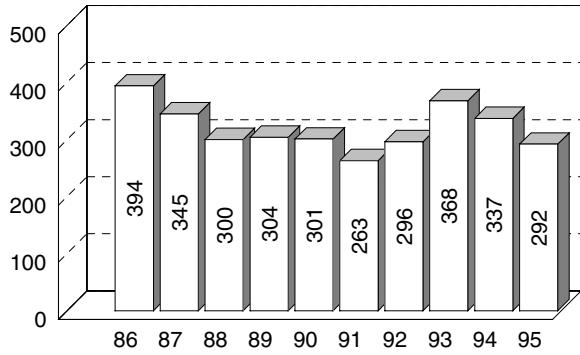
In 1995, there were 292 farm equipment crashes, down 13.4 percent from the 1994 figure of 337.

DEATH & INJURY PER CRASH INVOLVED OCCUPANT

	86	87	88	89	90	91	92	93	94	95
All Occupants ▢	936,201	931,337	949,954	948,593	883,611	830,089	793,055	838,445	904,876	960,537
C - Injured ▣	90,256	90,135	88,106	90,053	91,010	84,793	69,542	78,563	85,107	89,289
B - Injured ▢	45,907	44,728	44,560	43,095	41,666	39,010	28,798	30,226	31,476	33,070
A - Injured ▢	22,064	23,169	23,652	22,565	21,861	21,376	16,043	15,940	16,184	16,355
K - Killed ■	1,569	1,632	1,632	1,704	1,630	1,563	1,105	1,186	1,191	1,314
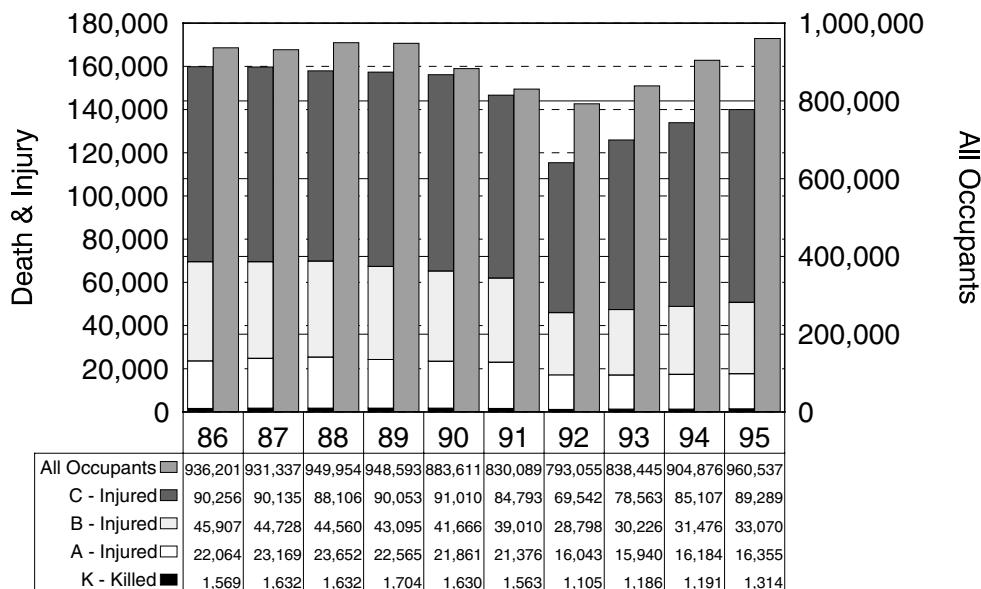
The number of deaths and injuries on Michigan roads has remained significantly lower than the peak number in 1986. However, 1,314 occupants of motor vehicles were fatally injured, 16,355 suffered an A (incapacitating) injury, 33,070 sustained a B (nonincapacitating) injury, and 89,289 sustained a C (possible) injury in 1995.

10
YEAR

FATALITIES AND VMT TRENDS

5 Year Highlight
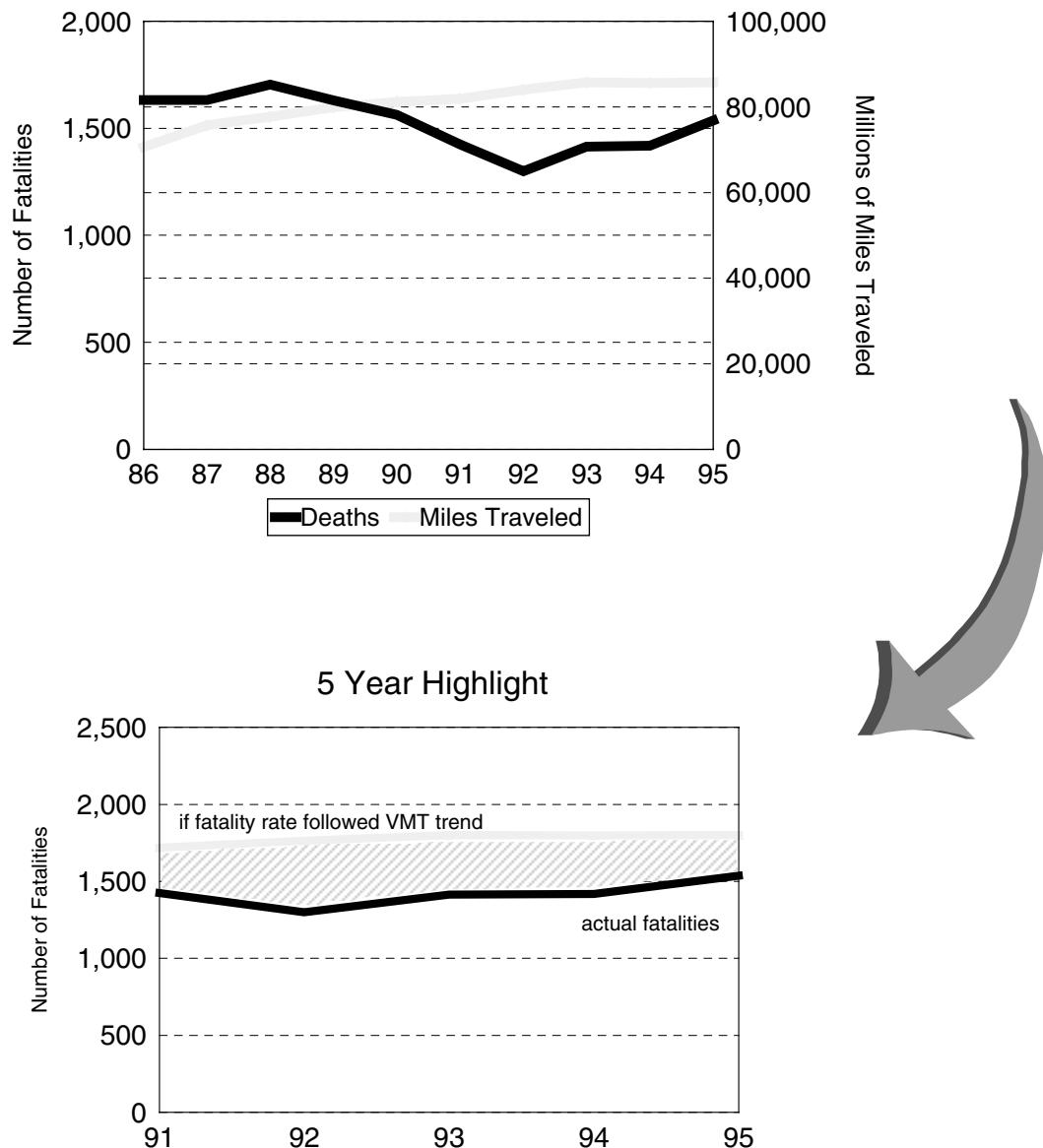
These charts show the dramatic reversal in the fatality rate that began in 1989, and a projection of losses that would have been incurred if the fatality rate had continued to follow the VMT trend.

MILEAGE DEATH RATES 1986 - 1995
Comparison - Michigan to U.S. and Surrounding States
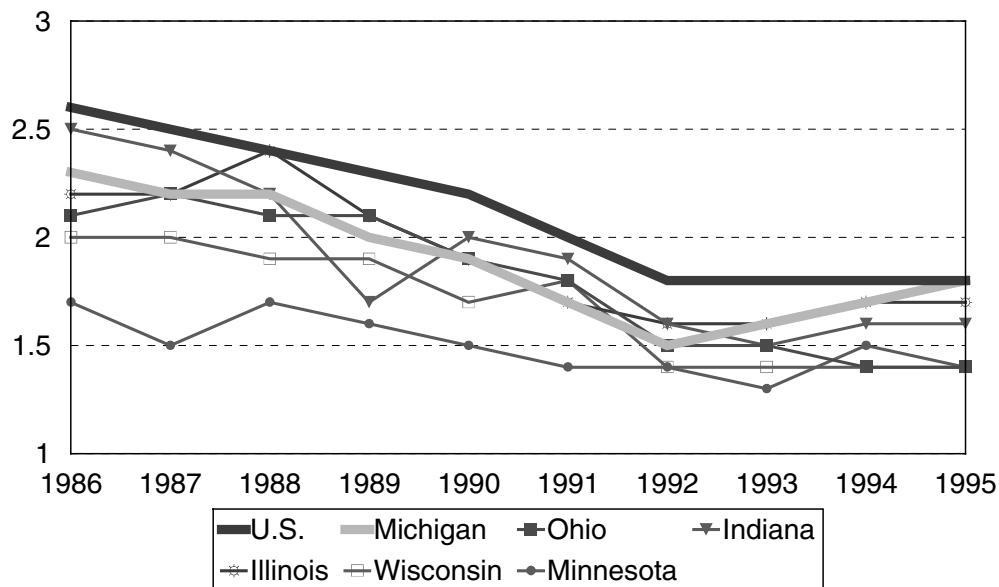
The chart above compares the Michigan mileage death rates (motor vehicle traffic deaths per 100,000,000 vehicle miles) to those of its neighboring states and the overall U.S. rates for a ten year period.

Michigan has placed consistently in the middle of the pack, mirroring the U.S. trend towards a reduced fatality rate. Over the last three years, the Michigan mileage death rate has risen to match the U.S. rate.

	U.S.	Michigan	Ohio	Indiana	Illinois	Wisconsin	Minnesota
1986	2.6	2.3	2.1	2.5	2.2	2.0	1.7
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

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

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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
1986	47,865	1,632	1,673	1,038	1,617	757	572
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

Year	U.S. VMT	Michigan VMT	Ohio VMT	Indiana VMT∗	Illinois VMT	Wisconsin VMT	Minnesota VMT
1986	1,835	70.6	78.1	40.8	74.3	38.4	34.2
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

VMT described in billions of miles

∗ In 1995, Indiana changed its source for VMT reporting from the Indiana State Police to the Federal Highway Administration. Indiana VMTs have been adjusted back to 1986.

AVERAGE AGE OF DRIVERS
IN CRASHES 1986 - 1995
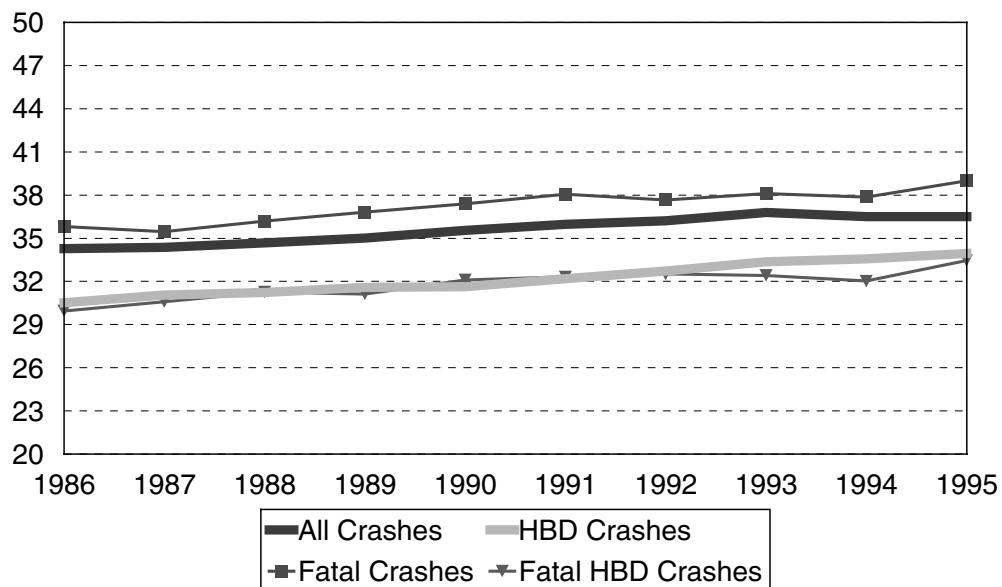
Reflecting the demographic trend of increasing age in the general population, the average age of crash-involved drivers has also increased. An aging driving population has implications for law enforcement prioritizing, highway design, traffic signing considerations, and Emergency Medical System procedures.

Note: Fatal HBD Crash numbers for 1992, 1993, and 1994 have not been revised. See page 11.

TREND DATA FOR FATALITIES

TREND DATA FOR FATALITIES	1991	1992	1993	1994	1995
Age of Persons Killed, Total					
Under 1 year old	0	4	3	6	6
1 - 3 years	26	17	14	24	23
4 - 10 years	40	55	40	46	48
11 - 15 years	61	58	54	61	51
16 - 20 years	208	149	169	219	215
21 - 24 years	137	144	150	144	149
25 - 34 years	285	241	257	208	254
35 - 44 years	209	155	204	200	242
45 - 54 years	128	105	132	119	140
55 - 64 years	80	84	81	84	99
65 - 74 years	98	91	100	108	116
75 years and over	151	114	130	134	152
Not Stated	2	83	80	66	42
Totals	1,425	1,300	1,414	1,419	1,537

Age of Persons Killed, Total
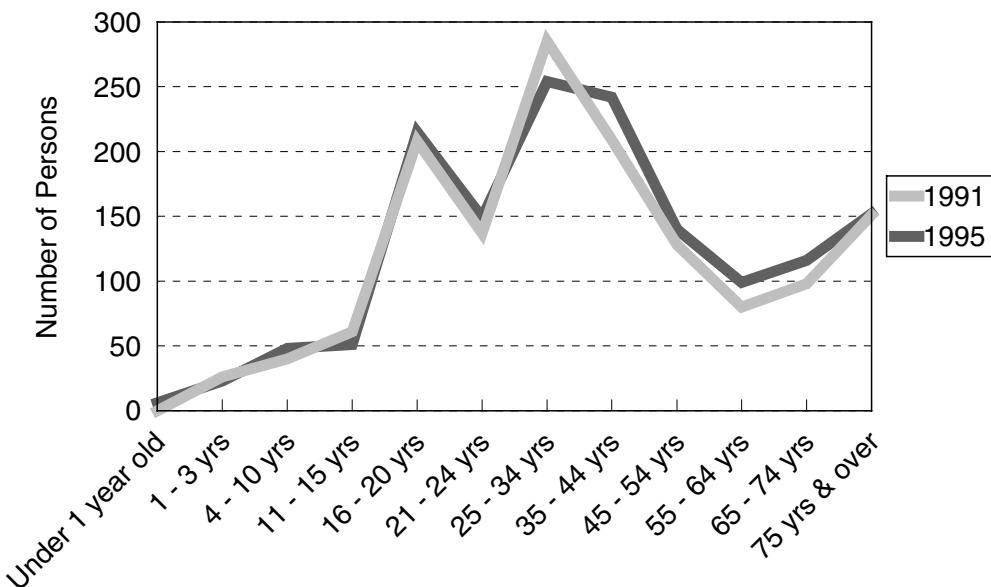
The chart above shows the total number of deaths in motor vehicle crashes in Michigan by age, comparing 1991 with 1995.

5

YEAR

TREND DATA FOR FATALITIES	1991	1992	1993	1994	1995
Age of Drivers Involved in Fatal Crashes					
Under 1 year old	0	0	0	1	0
1 - 3 years	0	0	0	0	0
4 - 10 years	0	1	0	1	0
11 - 15 years	10	12	13	11	10
16 - 20 years	285	249	259	307	314
21 - 24 years	234	210	218	222	220
25 - 34 years	496	430	421	431	466
35 - 44 years	362	289	340	369	442
45 - 54 years	203	166	203	207	260
55 - 64 years	119	124	115	110	146
65 - 74 years	114	98	97	112	121
75 years and over	119	87	106	105	129
Not Stated	43	178	217	170	203
Totals	1,985	1,844	1,989	2,046	2,311
Age of Pedestrians Killed					
Under 1 year old	0	0	0	0	1
1 - 3 years	8	4	1	10	3
4 - 10 years	9	20	10	13	14
11 - 15 years	11	8	9	10	10
16 - 20 years	15	9	7	17	10
21 - 24 years	9	10	12	11	15
25 - 34 years	30	22	33	21	27
35 - 44 years	30	18	35	29	42
45 - 54 years	14	14	20	11	19
55 - 64 years	17	13	6	15	15
65 - 74 years	12	13	17	15	15
75 years and over	24	20	15	23	12
Not Stated	1	19	6	7	7
Totals	180	170	171	182	190
Action of Pedestrians Killed					
Crossing at intersection	55	10	21	25	22
Cross not at intersection	56	46	54	66	64
Getting on/off vehicle	N/A	5	1	1	1
In road with traffic	15	10	14	12	18
In road against traffic	1	4	3	3	5
Standing or lying in road	12	13	15	14	17
Pushing/working on vehicle	2	4	3	4	4
Other working in road	1	2	0	3	0
Playing in road	0	2	0	0	0
In road for other reason	16	5	7	8	15
Not in road	17	5	8	14	13
Other/Unknown	5	64	45	32	31
Totals	180	170	171	182	190

FATAL CRASHES AND PERSONS KILLED
FOR SELECTED HOLIDAY PERIODS IN MICHIGAN

HOLIDAY PERIOD	Fatal Crashes	Persons Killed	SUMMARY 1995
Memorial Day			
1995 (3)	11	12	
1994 (3)	11	13	
1993 (3)	18	23	
1992 (3)	16	18	
1991 (3)	16	20	
Fourth of July			This table shows traffic death tolls in Michigan for the past five years for the major holiday periods.
1995 (4)	19	19	
1994 (3)	17	19	
1993 (3)	11	14	
1992 (3)	17	20	Based on the total **1995** experience, deaths averaged **4.2** per day.
1991 (4)	18	20	
Labor Day			Based on the **1995** Holiday Period experience, deaths averaged **5.2** per day.
1995 (3)	22	30	
1994 (3)	9	10	
1993 (3)	7	7	
1992 (3)	15	20	
1991 (3)	20	23	
Thanksgiving			
1995 (4)	11	12	
1994 (4)	19	21	
1993 (4)	21	29	
1992 (4)	18	19	
1991 (4)	13	16	
Christmas			
1995 (3)	15	16	
1994 (3)	17	23	
1993 (3)	9	9	
1992 (4)	14	20	
1991 (2)	6	6	
New Years			
1995 (3)	13	14	
1994 (3)	16	16	
1993 (3)	18	19	
1992 (4)	21	22	
1991 (2)	7	7	

Figures in parentheses show number of full days in each holiday period.
Deaths are for these days plus six hours of the preceding day.
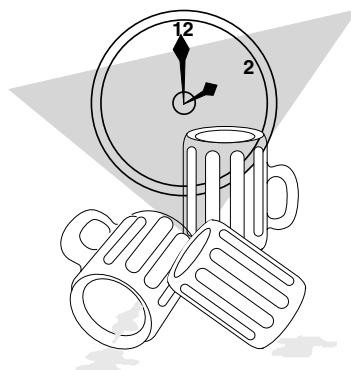
5
YEAR

MOTOR VEHICLE DEATHS AND MILEAGE BY MONTH

Month	TRAFFIC DEATHS					1995 PERCENTAGES	
	1991	1992	1993	1994	1995	Percent Deaths	Percent Miles Driven
January	103	83	123	106	122	7.9	7.3
February	79	81	91	86	90	5.9	7.5
March	115	83	89	82	109	7.1	7.7
April	106	86	72	116	111	7.2	8.0
May	129	100	127	111	118	7.7	8.5
June	145	122	103	123	141	9.2	8.9
July	130	134	149	126	127	8.3	9.4
August	141	119	140	143	159	10.3	9.3
September	125	123	131	132	157	10.2	8.9
October	129	129	146	133	134	8.7	8.6
November	104	120	134	123	136	8.8	8.2
December	119	120	109	138	133	8.7	7.7
Totals	1,425	1,300	1,414	1,419	1,537	100.0	100.0

Percent Deaths & Percent Miles Driven
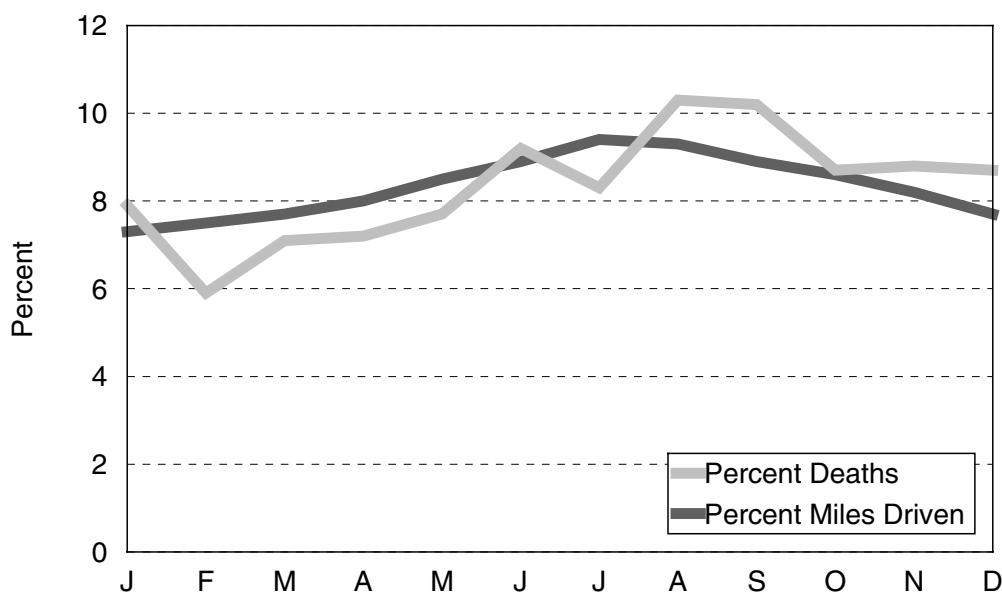
The above chart shows that *deaths per miles driven* were lower for the months of February through May, than for the months of January and June through December in 1995.

1994 - 1995 SUMMARY TRENDS

- Deaths among vehicle occupants (drivers and passengers) increased 8.7 percent.
- Alcohol use was indicated in 36.9 percent of all fatal crashes, an increase of 7.8 percent.
- Persons sustaining "A" level injuries (the most serious) decreased 0.03 percent.

	1994	1995	% CHANGE
NUMBER OF CRASHES			
Property Damage Crashes	299,092	319,480	6.8
Fatal Crashes	1,262	1,386	9.8
Personal Injury Crashes	97,696	100,207	2.6
Total	**398,050**	**421,073**	**5.8**
ALCOHOL IN FATAL CRASHES			
Had Been Drinking (HBD)	475∗ (37.6%)	512 (36.9%)	7.8
Had Not (HNBD)/Not Known If Drinking	787∗ (62.4%)	874 (63.1%)	11.1
PERSONS IN CRASHES			
Killed and Injured	143,619	147,840	2.9
Not Injured	529,004	557,316	5.4
Unknown Injury	71,695	75,354	5.1
Total	**744,318**	**780,510**	**4.9**
PERSONS INJURED			
Male	70,477	71,866	2.0
Female	71,723	74,437	3.8
Total	**142,200**	**146,303**	**2.9**
"A" Injury	18,047	18,041	0.0
"B" Injury	34,818	35,701	2.5
"C" Injury	89,335	92,561	3.6
Total	**142,200**	**146,303**	**2.9**
PERSONS KILLED			
Male	951	980	3.0
Female	468	557	19.0
Total	**1,419**	**1,537**	**8.3**
Drivers	770	833	8.2
Passengers	326	358	9.8
Pedestrians	182	190	4.4
Bicyclists	29	28	-3.4
Motorcyclist	67	82	22.4
Farm Equipment	2	1	-50.0
Train Engineer	0	0	0.0
Snowmobile	9	16	77.8
ORV/ATV	9	2	-77.8
Other/Unknown	25	27	8.0
Total	**1,419**	**1,537**	**8.3**

∗ Revised. See page 11.

1
YEAR

MORE MICHIGAN CRASH FACTS

CRASH FACTS	1994	1995	% Change
Deaths	1,419	1,537	8.3
Injuries	142,200	146,303	2.9
Crashes	398,050	421,073	5.8
Drivers Involved	671,999	729,050	8.5
Vehicles Involved	673,812	730,952	8.5
Fatal Crashes	1,262	1,386	9.8
Estimated MV Mileage Traveled (billions)	85.6	85.7	0.1
Death Rate Per 100 Million Vehicle Miles	1.7	1.8	5.9
Fatal Crash Rate Per 100 Million Veh Miles	1.5	1.6	6.7

Michigan experienced an 8.3 percent increase in traffic fatalities, as well as a 2.9 percent increase in injuries and a 5.8 percent increase in crashes. Vehicle mileage increased 0.1 percent and the death rate per 100 million vehicle miles increased 5.9 percent.

Based on provisional numbers, the National Safety Council estimates a national increase in traffic fatalities of 2.8 percent between 1994 (42,700) and 1995 (43,900).

1995 COST OF CRASHES IN MICHIGAN

The cost estimate for Michigan crashes in 1995 is **$9,998,650,000**. This estimate is based on the National Safety Council's cost estimating procedures. Average comprehensive costs are based on the following figures:

Comprehensive Costs, 1995	
Death	$2,480,000
Incapacitating injury	$137,000
Nonincapacitating evident injury	$37,000
Possible injury	$20,000
No injury	$1,700

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

Where
Traffic Fatalities
Occurred

A
One-Year
Comparison

1995=1,537 / 1994=1,419

KEWEE-
NAW
1/0

HOUGHTON
3/5

ONTONAGON
1/2

BARAGA
2/1

GOGEBIC
3/4

MARQUETTE
17/14

LUCE
1/0

IRON
0/0

ALGER
1/3

SCHOOLCRAFT
3/3

CHIPPEWA
13/8

MACKINAC
4/4

DICKINSON
5/5

DELTA
5/6

MENOMINEE
6/9

EMMET
8/9

CHEBOYGAN
9/1

PR2SQUE ISLE
2/1

CHARLEVOIX
9/8

ANTRIM
7/5

OTSEGO
2/6

MONT-
MORENCY
4/2

ALPENA
5/4

2/5
LEELANAU

BENZIE
4/5

GRAND
TRAVERSE
11/11

KALKASKA
8/7

CRAWFORD
5/2

OSCODA
1/3

ALCONA
5/3

MANISTEE
9/2

WEXFORD
5/10

MISSAUKEE
2/3

ROSCOMMON
5/13

OGEMAW
8/4

IOSCO
6/5

MASON
5/4

LAKE
10/3

OSCEOLA
8/6

CLARE
11/8

GLADWIN
6/3

ARENAC
7/13

HURON
10/5

OCEANA
6/6

NEWAYGO
6/15

MECOSTA
8/8

ISABELLA
11/6

MIDLAND
17/17

BAY
21/14

TUSCOLA
18/17

SANILAC
13/11

MONTCALM
18/13

GRATIOT
12/12

SAGINAW
30/22

MUSKEGON
33/22

KENT
54/83

IONIA
14/16

CLINTON
7/5

SHIAWASSEE
16/14

GENESEE
76/83

LAPEER
10/16

ST. CLAIR
27/25

OTTAWA
37/30

OAKLAND
114/79

MACOMB
76/67

ALLEGAN
29/30

BARRY
10/13

EATON
12/14

INGHAM
26/31

LIVINGSTON
25/39

266/224
WAYNE

VAN BUREN
20/15

KALAMAZOO
36/33

CALHOUN
32/16

JACKSON
27/30

WASHTENAW
49/42

BERRIEN
36/34

CASS
18/20

ST. JOSEPH
15/13

BRANCH
11/11

HILLSDALE
13/7

LENAWEE
18/25

MONROE
31/26

☐ same or decrease

☐ increase

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

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

* Excludes trailers and trailer coaches.

1995
1995
1995
1995
1995
1995
1995

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	28	10	3
Bicyclists Injured	2,648	135	88
Bicyclists in Crashes	3,239	160	101

PEDESTRIAN	Total	Drinking in Crash	Drinking Pedestrian
Pedestrians Killed	190	81	67
Pedestrians Injured	3,490	406	260
Pedestrians in Crashes	4,064	511	340

MOTORCYCLIST	Total	Drinking in Crash	Drinking Motorcyclist
Motorcyclists Killed	82	34	32
Motorcyclists Injured	2,324	332	285
Motorcyclists in Crashes	3,075	404	341

SNOWMOBILER *	Total	Drinking in Crash	Drinking Snowmobiler
Snowmobilers Killed	16	11	11
Snowmobilers Injured	421	130	125
Snowmobilers in Crashes	732	188	173

ORV/ATV RIDER *	Total	Drinking in Crash	Drinking ORV/ATV Rider
ORV/ATV Rider Killed	2	2	2
ORV/ATV Rider Injured	200	38	37
ORV/ATV Rider in Crashes	276	46	44

* on-road crashes

ALL CRASHES BY INJURY SEVERITY

INJURY (C) 14.4%

INJURY (B) 6.2%

INJURY (A) 3.1%

FATAL (K) 0.3%

PDO 76.0%

HBD CRASHES BY INJURY SEVERITY

INJURY (B) 17.8%

INJURY (C) 16.4%

INJURY (A) 11.6%

FATAL (K) 2.2%

PDO 52.0%
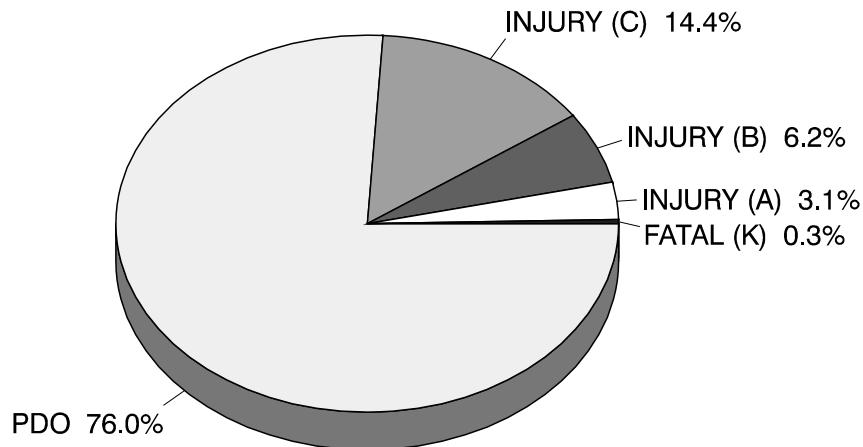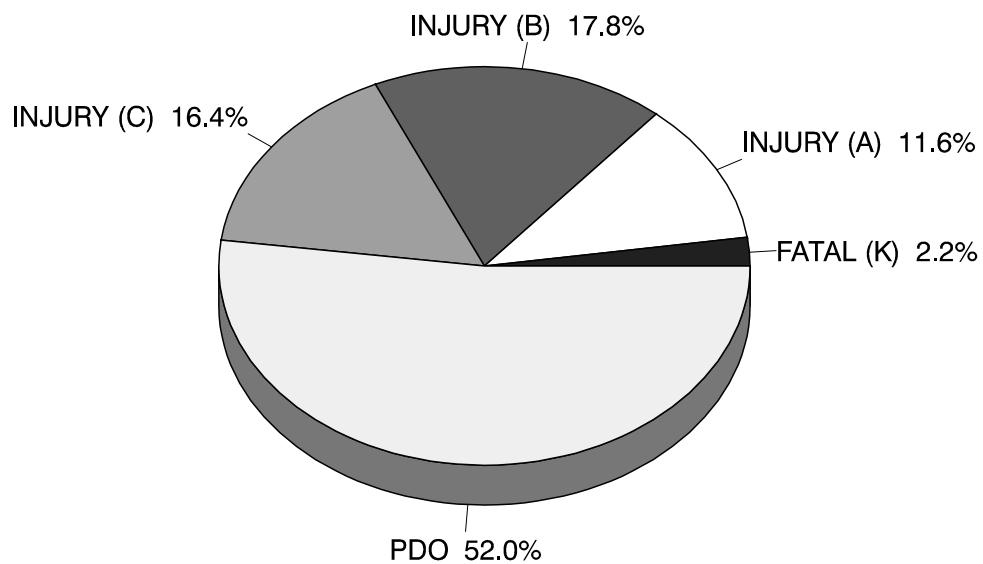
The problem of the drinking driver, pedestrian, and/or cyclist is seen when one compares the two charts on this page. A fatality in the crash is seven times more likely when one of the crash-involved operators is reported as had been drinking.

DEATH & INJURY PER CRASH INVOLVED OCCUPANT

Occupants in Crashes

NO INJURY 79.9%

INJURY (C) 12.8%

INJURY (B) 4.7%

INJURY (A) 2.3%

FATAL (K) 0.2%
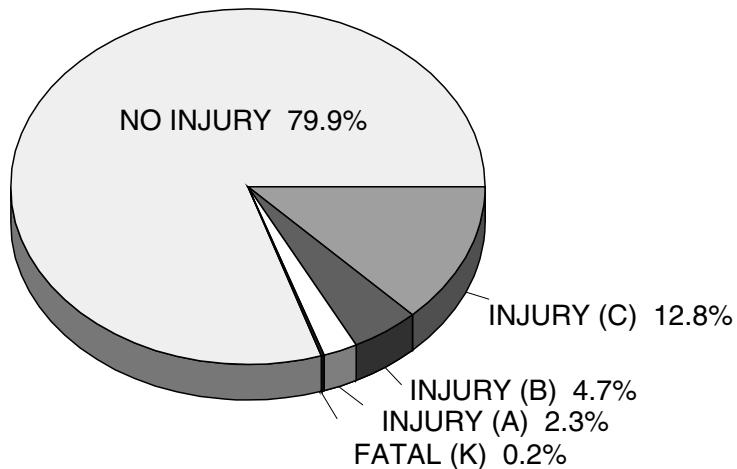
The majority of occupants involved in crashes are not injured (79.9%). More than half of those who are injured receive only minor (C) injuries. Increased use of occupant restraints and airbags can reduce the number of killed and injured even further.

Occupants in HBD Crashes

NO INJURY 58.4%

INJURY (C) 16.8%

FATAL (K) 1.2%

INJURY (A) 8.9%

INJURY (B) 14.6%
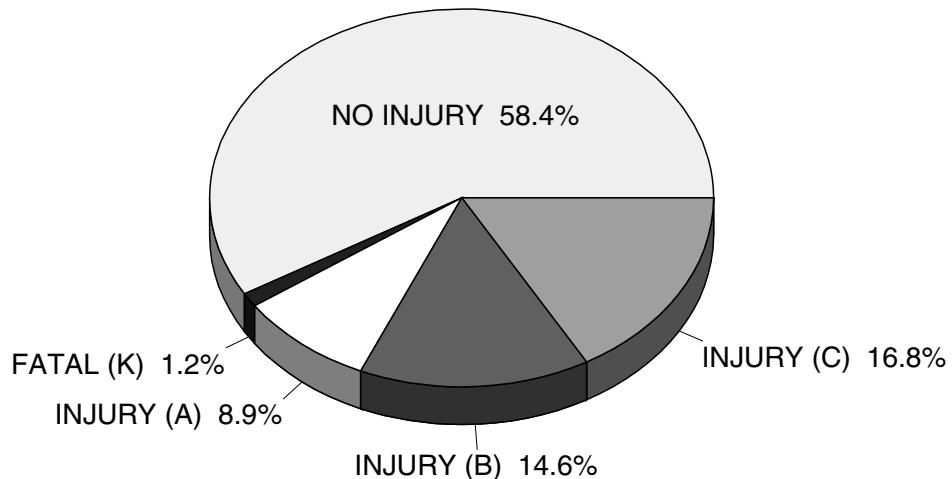
Crashes involving drinking tend to be more serious than nondrinking crashes. The percentage of fatalities is six times higher than in all crashes and the more serious injury levels are three to four times higher.

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.
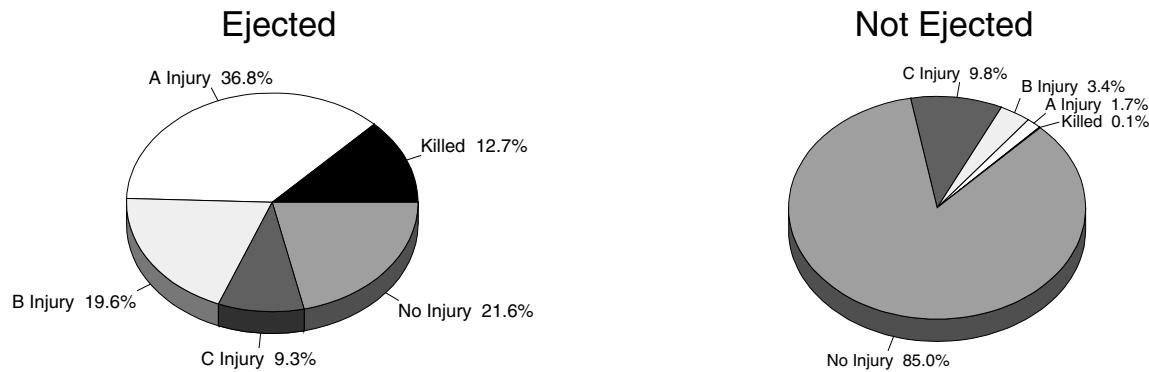
Ejected

A Injury 36.8%
Killed 12.7%
B Injury 19.6%
C Injury 9.3%
No Injury 21.6%

Not Ejected

C Injury 9.8%
B Injury 3.4%
A Injury 1.7%
Killed 0.1%
No Injury 85.0%

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

Killed 23.6%
No Injury 4.0%
C Injury 5.3%
B Injury 17.8%
A Injury 49.3%

HBD Not Ejected

B Injury 14.6%
A Injury 7.5%
Killed 0.9%
C Injury 10.6%
No Injury 66.4%
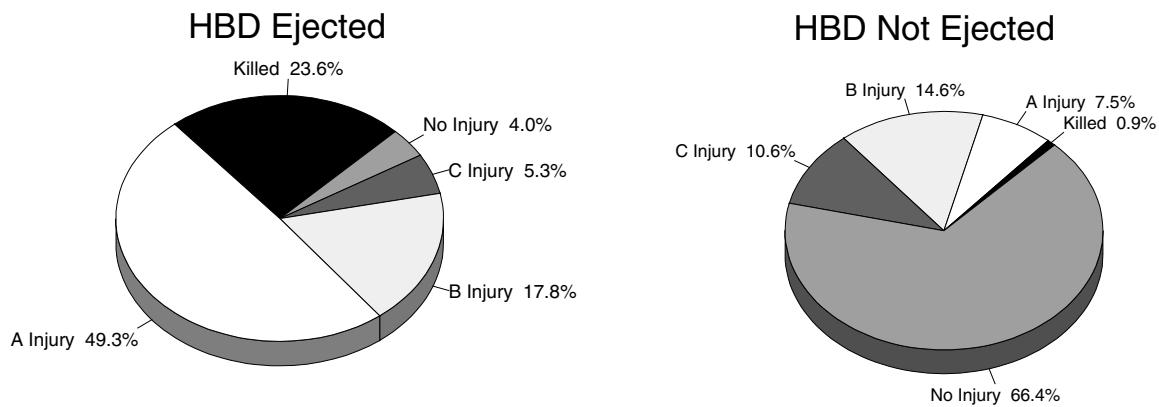
ALL OCCUPANTS and *OCCUPANTS of HBD CRASHES*
INJURY SEVERITY - EJECTED vs. NOT EJECTED

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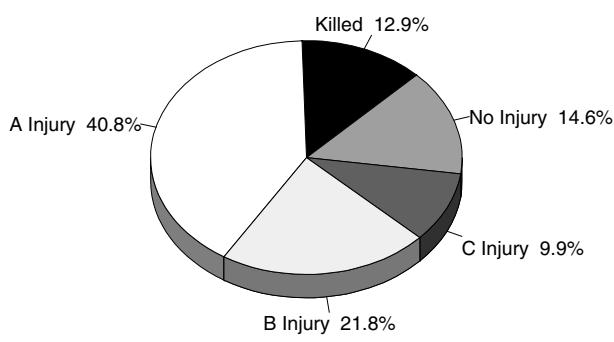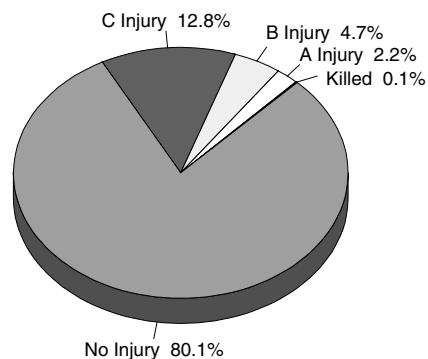
Ejected

Killed 12.9%
No Injury 14.6%
A Injury 40.8%
C Injury 9.9%
B Injury 21.8%

Not Ejected

C Injury 12.8%
B Injury 4.7%
A Injury 2.2%
Killed 0.1%
No Injury 80.1%

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

Killed 21.6%
No Injury 3.4%
C Injury 6.2%
A Injury 49.8%
B Injury 19.0%

HBD Not Ejected

B Injury 14.5%
A Injury 8.1%
Killed 0.8%
C Injury 17.1%
No Injury 59.5%
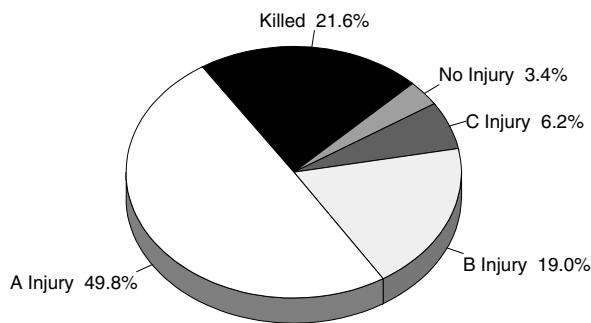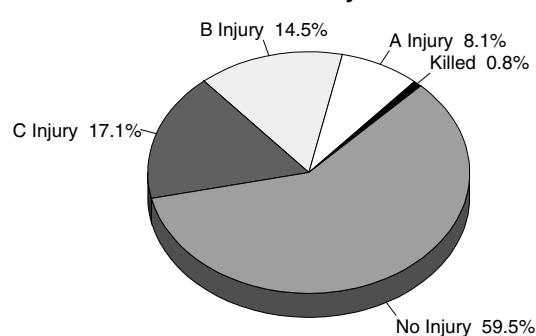
INJURY SEVERITY & RESTRAINT USE FOR
CRASH INVOLVED KABC *DRIVERS*

ALL CRASHES

Drivers - Restraints Used

Drivers - Restraints Not Used

| C Injury | B Injury | A Injury | Killed |

Restraints Used ▬ Restraints Not Used

HBD CRASHES

Drivers - Restraints Used

Drivers - Restraints Not Used

| C Injury | B Injury | A Injury | Killed |

Restraints Used ▬ Restraints Not Used

ALCOHOL

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

ALL CRASHES

Persons - Restraints Used

Persons - Restraints Not Used

| | C Injury | B Injury | A Injury | Killed |

Restraints Used — Restraints Not Used

HBD CRASHES

Persons - Restraints Used

Persons - Restraints Not Used

| | C Injury | B Injury | A Injury | Killed |

Restraints Used — Restraints Not Used

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 September. 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

	J	F	M	A	M	J	J	A	S	O	N	D
Non-HBD Fatal Crashes	75	54	51	51	65	91	61	90	82	90	80	84
HBD Fatal Crashes	35	31	43	45	48	43	48	43	53	36	45	42

Alcohol Related Fatalities by Month

	J	F	M	A	M	J	J	A	S	O	N	D
Non-Alcohol Related Fatalities	85	56	55	60	69	96	67	112	98	95	88	90
Alcohol Related Fatalities	37	34	54	51	49	45	60	47	59	39	48	43
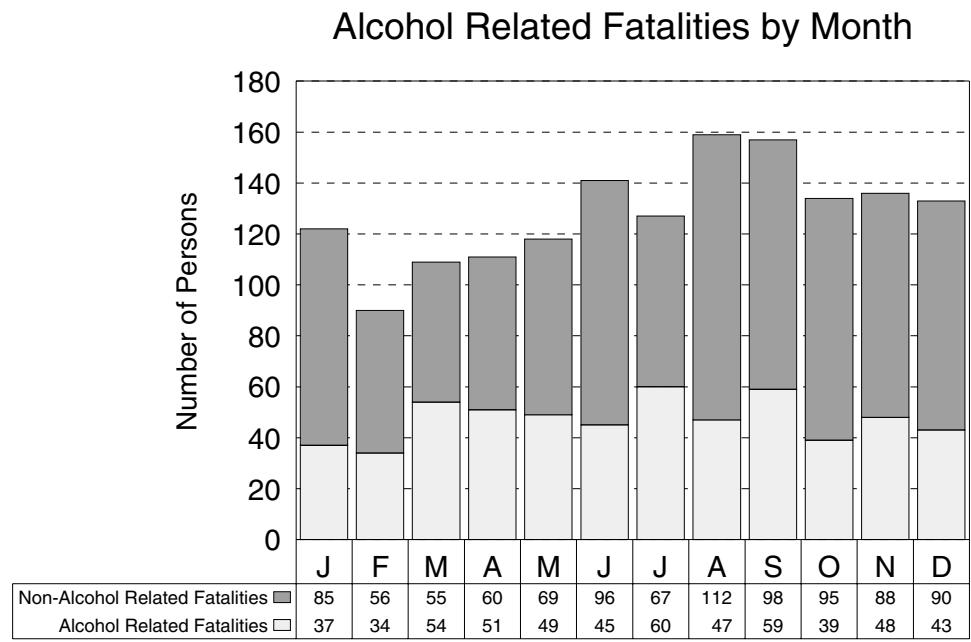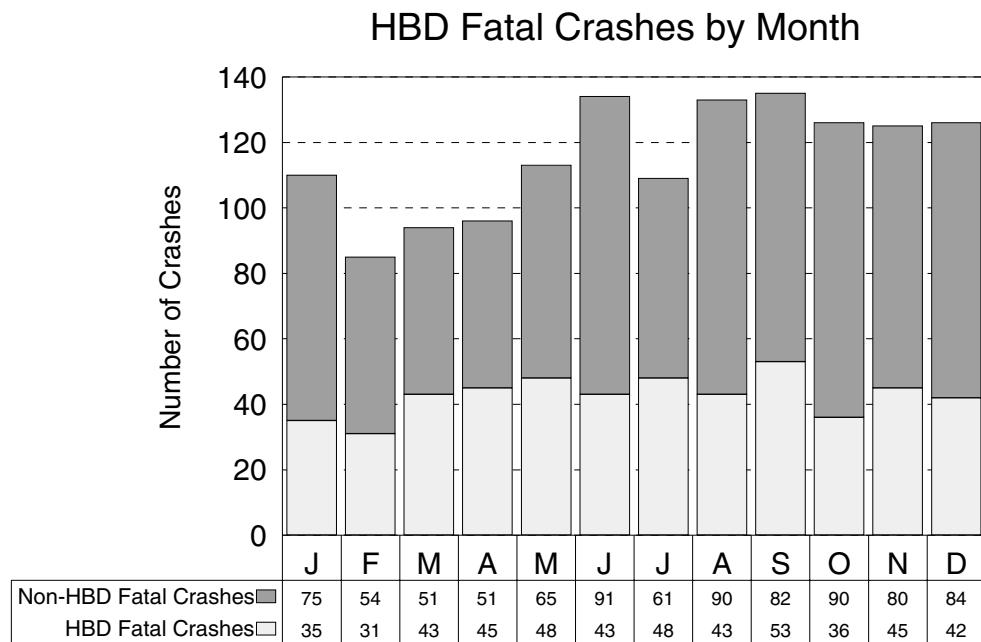
HBD Fatal Crashes by Day of Week

	Mon	Tue	Wed	Thu	Fri	Sat	Sun
HBD Fatal Crashes	43	52	48	57	98	111	103
All Fatal Crashes	162	181	151	175	247	255	215
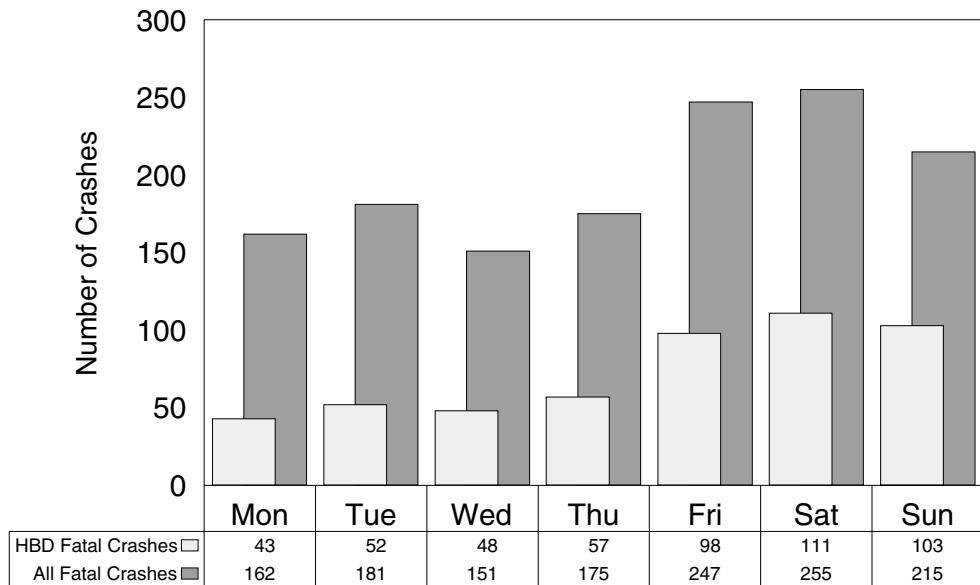
Saturday had the most fatal crashes in 1995. Saturday and Sunday had the highest proportions of drinking related fatal crashes. Almost half of weekend fatal crashes involved drinking, while only 26.5 percent of fatal crashes on Monday involved drinking.

HBD Fatal Crashes by Time of Day

	12:00-2:59 A	3:00-5:59 A	6:00-8:59 A	9:00-11:59 A	12:00-2:59 P	3:00-5:59 P	6:00-8:59 P	9:00-11:59 P
HBD Fatal Crashes	129	60	13	14	27	46	86	131
All Fatal Crashes	168	99	122	166	197	231	198	192
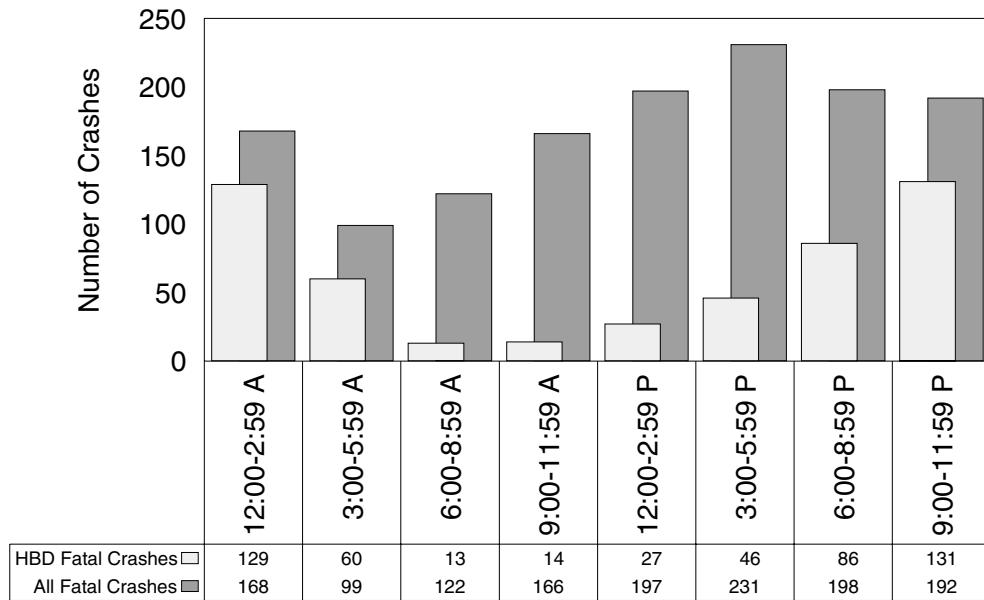
Not surprisingly, the midnight to 2:59 AM time period had the highest rate of drinking involvement (76.8%), while the late morning hours had the lowest (8.4%).

There were 13 fatal crashes where the time of day was unknown. Of these 13 fatal crashes, 6 were HBD.

ALCOHOL INVOLVEMENT IN INJURY CRASHES

Alcohol involvement in injury crashes is an important indicator of the alcohol impaired driving problem. In 1995, the highest number of HBD injury crashes occurred in December with 1,029. The highest proportion of HBD injury crashes also occurred in December with 11.5 percent of the injury crashes involving alcohol.

HBD Injury Crashes by Month

	J	F	M	A	M	J	J	A	S	O	N	D
Total Injury Crashes	8,507	7,461	6,873	7,116	8,606	8,943	8,335	8,691	8,615	8,946	9,163	8,951
A Injury - HBD Crashes	229	174	207	195	206	275	259	249	240	238	179	235
B Injury - HBD Crashes	329	273	295	346	318	357	380	392	373	358	323	374
C Injury - HBD Crashes	341	262	285	296	307	300	297	295	320	306	354	420

Alcohol Related Injuries by Month

	J	F	M	A	M	J	J	A	S	O	N	D
Total Persons Injured	12,306	10,686	10,024	10,361	12,565	13,253	12,419	12,934	12,794	12,942	13,147	12,872
Alcohol Related A Injury	316	222	269	287	286	375	362	352	331	328	232	317
Alcohol Related B Injury	467	359	408	488	462	521	551	546	528	529	449	521
Alcohol Related C Injury	600	446	483	528	549	555	532	580	538	517	602	754

HBD Injury Crashes by Day of Week

	Mon	Tue	Wed	Thu	Fri	Sat	Sun
A Injury - HBD	240	224	267	271	462	684	538
B Injury - HBD	340	339	395	481	768	947	848
C Injury - HBD	331	373	359	444	728	843	705
Total Injury Crashes	12,936	13,839	14,390	15,023	17,891	15,281	10,847
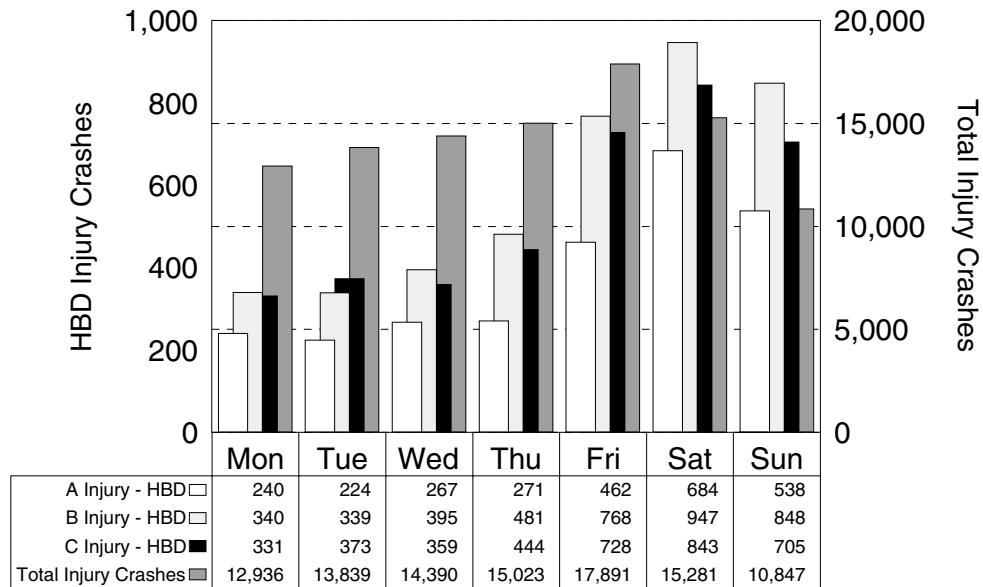
HBD injury crashes follow the same basic trends as total crashes through the work week, but the weekend sees a dramatic increase in the proportion of HBD injury crashes to total injury crashes.

HBD Injury Crashes by Time of Day

	12:00-2:59 A	3:00-5:59 A	6:00-8:59 A	9:00-11:59 A	12:00-2:59 P	3:00-5:59 P	6:00-8:59 P	9:00-11:59 P
A Injury - HBD	802	245	78	49	112	267	513	595
B Injury - HBD	1,275	420	103	72	163	389	685	964
C Injury - HBD	883	314	75	78	186	529	761	920
Total Injury Crashes	6,123	2,922	10,235	12,186	18,458	24,973	14,912	9,306
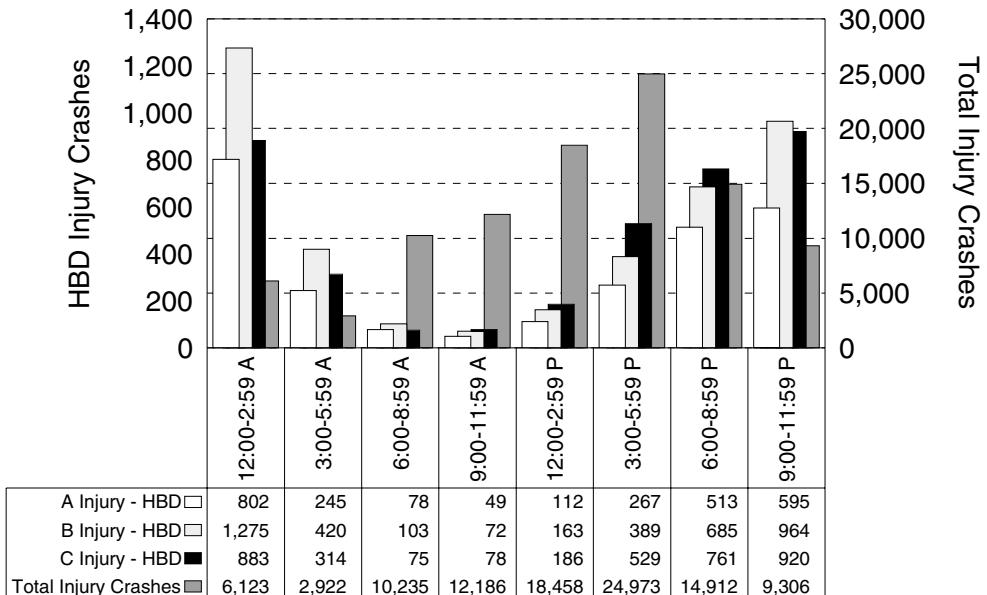
Total injury crash frequencies peak in the hours between 12:00 PM and 5:59 PM, while HBD injury crash frequencies peak between 6:00 PM and 2:59 AM. A particularly hazardous travel period is 12:00 AM to 2:59 AM.

ALCOHOL

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	48	0	3	10	12	14	7	0	2	0	0
Alger	35	1	1	4	8	6	2	0	1	1	11
Allegan	302	2	27	46	100	79	17	7	5	1	18
Alpena	81	0	11	14	23	15	8	5	3	0	2
Antrim	56	0	7	7	22	15	3	0	0	0	2
Arenac	56	1	5	8	16	18	5	2	1	0	0
Baraga	24	0	6	3	5	7	3	0	0	0	0
Barry	154	1	21	16	60	38	12	2	1	1	2
Bay	358	0	30	52	107	88	48	13	2	3	15
Benzie	35	0	4	5	13	8	1	3	0	0	1
Berrien	424	4	35	63	129	85	33	17	8	1	49
Branch	98	0	8	15	30	23	8	7	0	0	7
Calhoun	395	1	30	70	122	93	38	14	9	2	16
Cass	166	1	10	14	43	41	11	6	2	0	38
Charlevoix	73	0	10	10	17	19	9	3	0	0	5
Cheboygan	89	0	7	14	24	25	6	5	3	0	5
Chippewa	133	0	9	25	40	31	14	1	0	0	13
Clare	78	0	7	4	29	24	6	3	3	1	1
Clinton	110	0	13	17	38	31	5	2	2	0	2
Crawford	43	0	3	3	11	9	11	3	0	1	2
Delta	110	1	9	15	35	20	15	6	1	1	7
Dickinson	67	0	3	8	24	17	5	2	1	0	7
Eaton	200	1	23	26	84	42	15	4	2	0	3
Emmet	102	1	13	16	32	23	5	4	3	0	5
Genesee	1,511	1	105	204	481	371	170	61	31	8	79
Gladwin	84	0	6	12	26	31	6	1	0	0	2
Gogebic	55	0	5	4	14	8	3	0	2	1	18
Grand Traverse	176	0	19	24	60	52	11	7	0	0	3
Gratiot	68	0	14	10	21	14	5	1	2	1	0
Hillsdale	112	0	19	15	25	22	8	2	4	1	16
Houghton	96	0	12	18	28	16	7	3	4	2	6
Huron	78	1	9	12	28	18	6	3	0	0	1
Ingham	668	3	63	121	217	156	45	29	8	3	23
Ionia	171	2	22	28	57	47	8	4	1	0	2
Iosco	102	0	9	10	34	29	9	6	1	0	4
Iron	47	0	4	7	10	8	2	3	0	1	12
Isabella	153	0	30	29	54	24	7	5	3	1	0
Jackson	431	1	37	68	131	108	45	14	6	1	20
Kalamazoo	561	0	53	102	192	127	36	11	5	1	34
Kalkaska	54	0	4	7	14	13	8	0	2	1	5
Kent	1,198	3	130	175	402	295	99	38	14	3	39
Keweenaw	20	0	6	4	4	1	1	1	0	2	1
Lake	44	0	4	7	7	10	7	5	1	1	2
Lapeer	222	1	12	35	82	57	23	4	3	0	5
Leelanau	56	0	11	12	16	9	2	2	1	0	3

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	202	0	17	38	62	36	15	10	2	1	21
Livingston	383	1	48	66	126	90	33	10	3	0	6
Luce	25	0	2	5	11	3	0	0	1	0	3
Mackinac	60	1	5	7	20	14	5	2	0	0	6
Macomb	1,623	1	154	231	530	392	153	68	34	14	46
Manistee	59	0	11	3	17	9	8	6	2	0	3
Marquette	147	1	12	26	38	27	18	8	3	1	13
Mason	76	0	5	10	37	13	3	0	2	2	4
Mecosta	99	0	14	23	28	15	7	3	2	1	6
Menominee	86	0	8	9	19	16	6	1	3	0	24
Midland	172	0	15	28	64	36	17	4	4	0	4
Missaukee	35	0	5	1	12	10	2	1	2	0	2
Monroe	365	0	35	60	95	88	30	6	6	3	42
Montcalm	162	0	13	27	59	38	13	2	2	1	7
Montmorency	36	0	4	8	11	3	5	3	1	0	1
Muskegon	349	0	30	41	124	86	40	11	4	3	10
Newaygo	141	1	13	18	42	38	12	6	4	2	5
Oakland	2,552	4	203	353	799	649	262	124	45	9	104
Oceana	78	0	10	9	25	18	7	3	0	0	6
Ogemaw	83	0	12	11	27	20	9	1	0	1	2
Ontonagon	41	0	3	3	11	9	1	3	1	1	9
Osceola	85	0	6	16	27	17	10	6	1	1	1
Oscoda	49	0	2	5	15	19	3	2	3	0	0
Otsego	75	0	8	10	31	17	4	3	1	0	1
Ottawa	362	0	47	70	118	69	25	8	8	2	15
Presque Isle	30	0	3	5	6	8	3	4	1	0	0
Roscommon	93	0	8	7	31	20	9	12	2	2	2
Saginaw	514	0	46	72	163	132	50	21	12	2	16
Sanilac	90	0	16	18	27	17	7	3	0	0	2
Schoolcraft	30	0	1	4	9	9	5	0	0	0	2
Shiawassee	201	1	23	31	59	44	21	10	5	0	7
St. Clair	440	0	52	72	133	110	40	10	4	1	18
St. Joseph	176	0	16	28	60	27	15	4	3	0	23
Tuscola	173	2	20	30	55	40	15	8	1	0	2
Van Buren	205	1	20	36	59	50	20	5	2	0	12
Washtenaw	614	4	60	107	187	141	64	22	6	1	22
Wayne	3,947	9	306	460	1055	1019	468	229	110	35	256
Wexford	89	1	10	11	34	19	7	2	0	1	4
UNKNOWN	6	0	0	1	3	2	0	0	0	0	0
Totals	23,097	53	2,132	3,329	7,156	5,557	2,207	930	417	123	1,193

ALCOHOL

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	198	0.1	0	0.0	3	9	29	157
1 - 3 years	31	0.0	0	0.0	1	3	4	23
4 - 10 years	75	0.0	0	0.0	13	18	12	32
11 - 15 years	1,097	0.3	6	0.4	104	167	191	629
16 - 20 years	60,607	15.5	196	12.5	2,221	4,638	9,494	44,058
21 - 24 years	38,990	9.9	169	10.8	1,497	2,909	6,057	28,358
25 - 34 years	86,814	22.1	342	21.8	3,137	5,763	13,297	64,275
35 - 44 years	72,403	18.5	315	20.1	2,468	4,441	11,389	53,790
45 - 54 years	46,335	11.8	183	11.7	1,460	2,683	7,225	34,784
55 - 64 years	25,972	6.6	102	6.5	805	1,512	3,991	19,562
65 - 74 years	17,713	4.5	78	5.0	603	1,149	2,892	12,991
75 years and over	9,680	2.5	77	4.9	407	689	1,608	6,899
Not Stated	32,188	8.2	98	6.3	837	1,634	4,591	25,028
TOTAL	392,103	100.0	1,566	100.0	13,556	25,615	60,780	290,586

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	12	0.1	0	0.0	0	2	2	8
1 - 3 years	1	0.0	0	0.0	1	0	0	0
4 - 10 years	0	0.0	0	0.0	0	0	0	0
11 - 15 years	27	0.1	0	0.0	0	8	4	15
16 - 20 years	1,716	9.5	42	10.4	240	334	211	889
21 - 24 years	2,724	15.0	72	17.8	337	558	391	1,366
25 - 34 years	5,534	30.5	105	25.9	660	1,039	880	2,850
35 - 44 years	4,182	23.0	108	26.7	456	673	731	2,214
45 - 54 years	1,785	9.8	35	8.6	184	285	332	949
55 - 64 years	811	4.5	17	4.2	76	128	144	446
65 - 74 years	347	1.9	6	1.5	35	55	58	193
75 years and over	112	0.6	3	0.7	13	11	24	61
Not Stated	902	5.0	17	4.2	93	124	149	519
TOTAL	18,153	100.0	405	100.0	2,095	3,217	2,926	9,510

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	113	0.0	0	0.0	0	5	24	84
1 - 3 years	19	0.0	0	0.0	0	2	2	15
4 - 10 years	34	0.0	0	0.0	3	6	8	17
11 - 15 years	627	0.2	4	0.6	43	68	125	387
16 - 20 years	41,813	15.9	114	17.8	1,464	3,236	8,155	28,844
21 - 24 years	27,075	10.3	49	7.7	860	1,817	5,164	19,185
25 - 34 years	60,955	23.2	118	18.4	1,922	3,887	11,815	43,213
35 - 44 years	53,838	20.5	122	19.1	1,622	3,164	10,075	38,855
45 - 54 years	32,178	12.3	75	11.7	968	1,817	6,263	23,055
55 - 64 years	15,242	5.8	41	6.4	476	912	2,972	10,841
65 - 74 years	11,157	4.2	42	6.6	376	670	2,128	7,941
75 years and over	6,796	2.6	47	7.3	261	521	1,164	4,803
Not Stated	12,730	4.8	28	4.4	300	550	2,099	9,753
TOTAL	262,577	100.0	640	100.0	8,295	16,655	49,994	186,993

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	0	0	2
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	10	0.2	0	0.0	1	4	2	3
16 - 20 years	376	8.7	11	14.5	43	80	70	172
21 - 24 years	520	12.1	10	13.2	77	99	95	239
25 - 34 years	1,483	34.5	26	34.2	140	311	252	754
35 - 44 years	1,237	28.8	19	25.0	143	188	222	665
45 - 54 years	358	8.3	6	7.9	34	54	63	201
55 - 64 years	105	2.4	2	2.6	11	12	15	65
65 - 74 years	59	1.4	1	1.3	6	9	10	33
75 years and over	8	0.2	0	0.0	1	0	2	5
Not Stated	142	3.3	1	1.3	20	13	21	87
TOTAL	4,300	100.0	76	100.0	476	770	752	2,226

The tables on this page and the previous page exclude 644 drinking drivers of unknown gender.

FATAL CRASHES AND FATALITIES
WITH DRINKING INVOLVEMENT BY COUNTY

	CRASHES			PERSONS		
COUNTY	All Fatal Crashes	HBD Fatal Crashes	Percent HBD	Total Fatalities	HBD Fatalities	Percent HBD
Alcona	5	4	80.0	5	4	80.0
Alger	1	1	100.0	1	1	100.0
Allegan	28	13	46.4	29	14	48.3
Alpena	4	3	75.0	5	3	60.0
Antrim	6	1	16.7	7	1	14.3
Arenac	7	5	71.4	7	5	71.4
Baraga	2	1	50.0	2	1	50.0
Barry	7	1	14.3	10	3	30.0
Bay	19	7	36.8	21	9	42.9
Benzie	3	0	0.0	4	0	0.0
Berrien	32	7	21.9	36	8	22.2
Branch	10	1	10.0	11	1	9.1
Calhoun	28	11	39.3	32	13	40.6
Cass	15	3	20.0	18	3	16.7
Charlevoix	8	4	50.0	9	5	55.6
Cheboygan	9	4	44.4	9	4	44.4
Chippewa	9	4	44.4	13	5	38.5
Clare	8	3	37.5	11	4	36.4
Clinton	6	2	33.3	7	2	28.6
Crawford	4	1	25.0	5	2	40.0
Delta	5	5	100.0	5	5	100.0
Dickinson	4	3	75.0	5	3	60.0
Eaton	11	4	36.4	12	4	33.3
Emmet	8	1	12.5	8	1	12.5
Genesee	68	28	41.2	76	34	44.7
Gladwin	4	2	50.0	6	3	50.0
Gogebic	3	1	33.3	3	1	33.3
Grand Traverse	11	2	18.2	11	2	18.2
Gratiot	9	2	22.2	12	3	25.0
Hillsdale	12	4	33.3	13	4	30.8
Houghton	3	2	66.7	3	2	66.7
Huron	8	1	12.5	10	1	10.0
Ingham	23	10	43.5	26	11	42.3
Ionia	13	5	38.5	14	5	35.7
Iosco	5	3	60.0	6	4	66.7
Iron	0	0	0.0	0	0	0.0
Isabella	11	5	45.5	11	5	45.5
Jackson	26	16	61.5	27	17	63.0
Kalamazoo	32	14	43.8	36	15	41.7
Kalkaska	7	2	28.6	8	2	25.0
Kent	51	17	33.3	54	19	35.2
Keweenaw	1	1	100.0	1	1	100.0
Lake	10	5	50.0	10	5	50.0
Lapeer	10	0	0.0	10	0	0.0

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	2	2	100.0	2	2	100.0
Lenawee	17	2	11.8	18	2	11.1
Livingston	24	7	29.2	25	8	32.0
Luce	1	0	0.0	1	0	0.0
Mackinac	3	1	33.3	4	1	25.0
Macomb	68	27	39.7	76	32	42.1
Manistee	5	0	0.0	9	0	0.0
Marquette	13	4	30.8	17	5	29.4
Mason	5	3	60.0	5	3	60.0
Mecosta	7	1	14.3	8	1	12.5
Menominee	6	4	66.7	6	4	66.7
Midland	15	4	26.7	17	5	29.4
Missaukee	2	2	100.0	2	2	100.0
Monroe	27	15	55.6	31	19	61.3
Montcalm	15	5	33.3	18	7	38.9
Montmorency	2	0	0.0	4	0	0.0
Muskegon	31	15	48.4	33	15	45.5
Newaygo	5	2	40.0	6	2	33.3
Oakland	112	47	42.0	114	47	41.2
Oceana	6	1	16.7	6	1	16.7
Ogemaw	6	2	33.3	8	4	50.0
Ontonagon	1	1	100.0	1	1	100.0
Osceola	6	3	50.0	8	3	37.5
Oscoda	1	0	0.0	1	0	0.0
Otsego	2	1	50.0	2	1	50.0
Ottawa	29	6	20.7	37	7	18.9
Presque Isle	2	2	100.0	2	2	100.0
Roscommon	4	2	50.0	5	2	40.0
Saginaw	28	12	42.9	30	12	40.0
Sanilac	12	2	16.7	13	2	15.4
Schoolcraft	3	1	33.3	3	1	33.3
Shiawassee	15	6	40.0	16	6	37.5
St. Clair	25	7	28.0	27	7	25.9
St. Joseph	15	7	46.7	15	7	46.7
Tuscola	17	5	29.4	18	5	27.8
Van Buren	14	4	28.6	20	4	20.0
Washtenaw	44	15	34.1	49	18	36.7
Wayne	247	85	34.4	266	93	35.0
Wexford	3	0	0.0	5	0	0.0
Totals	1,386	512	36.9	1,537	566	36.8

ALCOHOL

TRAFFIC FATALITIES WITH DRINKING INVOLVEMENT
BY COUNTY

Where HBD
Traffic Fatalities
Occurred

1995=566∗
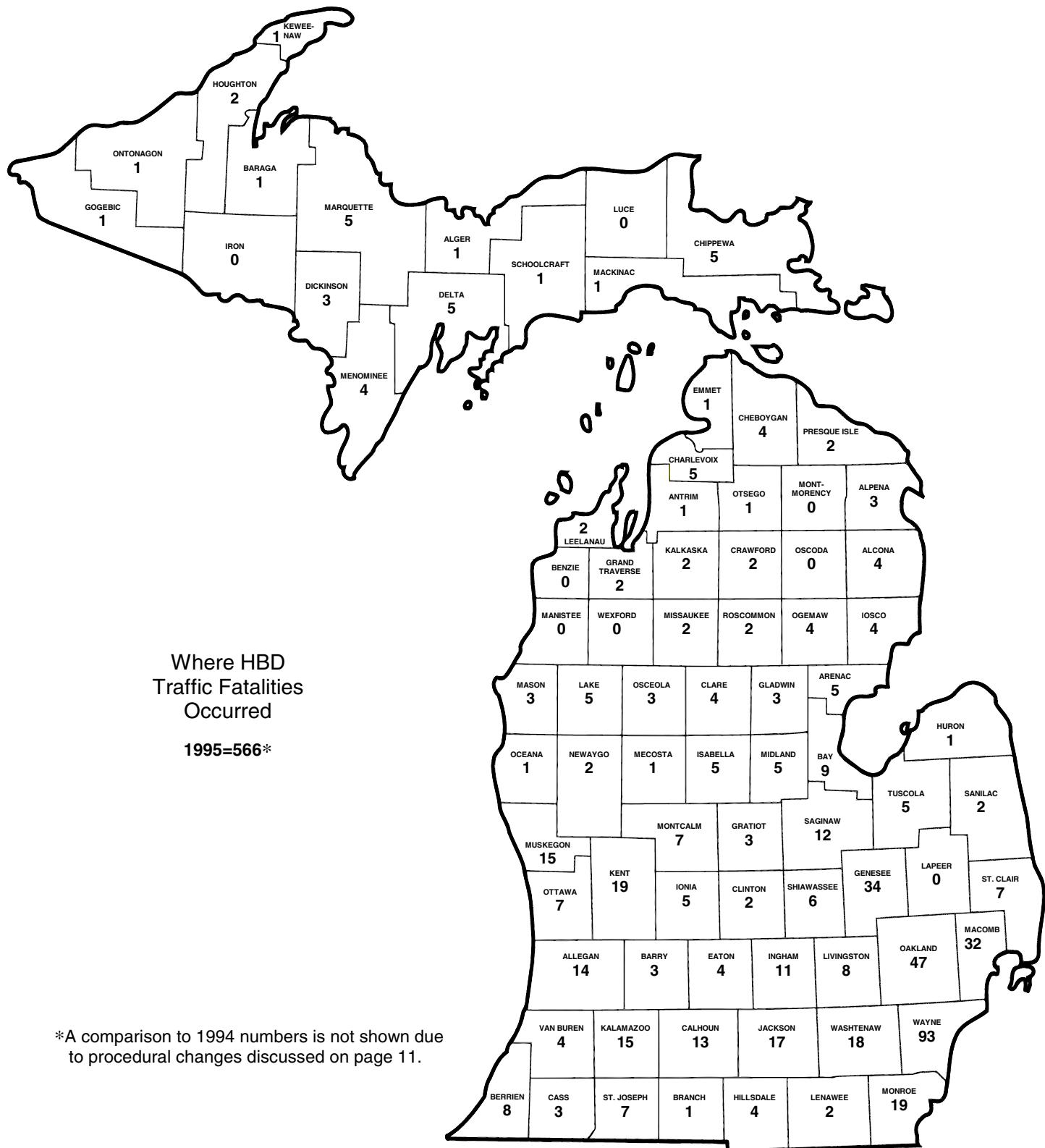
∗A comparison to 1994 numbers is not shown due
to procedural changes discussed on page 11.

KEWEE-NAW
1

HOUGHTON
2

ONTONAGON
1

BARAGA
1

GOGEBIC
1

IRON
0

MARQUETTE
5

ALGER
1

LUCE
0

CHIPPEWA
5

DICKINSON
3

DELTA
5

SCHOOLCRAFT
1

MACKINAC
1

MENOMINEE
4

EMMET
1

CHEBOYGAN
4

PRESQUE ISLE
2

CHARLEVOIX
5

ANTRIM
1

OTSEGO
1

MONT-MORENCY
0

ALPENA
3

LEELANAU
2

BENZIE
0

GRAND TRAVERSE
2

KALKASKA
2

CRAWFORD
2

OSCODA
0

ALCONA
4

MANISTEE
0

WEXFORD
0

MISSAUKEE
2

ROSCOMMON
2

OGEMAW
4

IOSCO
4

MASON
3

LAKE
5

OSCEOLA
3

CLARE
4

GLADWIN
3

ARENAC
5

HURON
1

OCEANA
1

NEWAYGO
2

MECOSTA
1

ISABELLA
5

MIDLAND
5

BAY
9

TUSCOLA
5

SANILAC
2

MUSKEGON
15

MONTCALM
7

GRATIOT
3

SAGINAW
12

KENT
19

IONIA
5

CLINTON
2

SHIAWASSEE
6

GENESEE
34

LAPEER
0

ST. CLAIR
7

OTTAWA
7

OAKLAND
47

MACOMB
32

ALLEGAN
14

BARRY
3

EATON
4

INGHAM
11

LIVINGSTON
8

VAN BUREN
4

KALAMAZOO
15

CALHOUN
13

JACKSON
17

WASHTENAW
18

WAYNE
93

BERRIEN
8

CASS
3

ST. JOSEPH
7

BRANCH
1

HILLSDALE
4

LENAWEE
2

MONROE
19

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.

COUNTY	All HBD Crashes	Fatal	Injury			PDO
			A	B	C	
Alcona	47	4	6	6	6	25
Alger	33	1	6	5	5	16
Allegan	302	13	45	45	36	163
Alpena	81	3	4	15	11	48
Antrim	55	1	13	12	1	28
Arenac	56	5	5	14	4	28
Baraga	25	1	2	6	6	10
Barry	154	1	22	38	23	70
Bay	356	7	41	75	28	205
Benzie	35	0	6	7	6	16
Berrien	432	7	57	78	68	222
Branch	98	1	16	25	8	48
Calhoun	402	11	41	78	55	217
Cass	165	3	23	37	16	86
Charlevoix	74	4	5	8	20	37
Cheboygan	87	4	13	23	15	32
Chippewa	131	4	13	17	15	82
Clare	79	3	13	13	5	45
Clinton	110	2	15	12	13	68
Crawford	43	1	8	10	2	22
Delta	111	5	17	20	9	60
Dickinson	67	3	9	9	6	40
Eaton	199	4	34	47	25	89
Emmet	103	1	9	19	14	60
Genesee	1,498	28	109	329	252	780
Gladwin	81	2	12	13	5	49
Gogebic	55	1	7	11	4	32
Grand Traverse	178	2	20	29	22	105
Gratiot	69	2	13	11	5	38
Hillsdale	112	4	14	21	20	53
Houghton	97	2	17	12	11	55
Huron	77	1	20	14	7	35
Ingham	671	10	101	120	86	354
Ionia	168	5	30	34	10	89
Iosco	100	3	7	30	8	52
Iron	46	0	3	4	11	28
Isabella	159	5	19	32	13	90
Jackson	439	16	68	85	75	195
Kalamazoo	561	14	70	111	74	292
Kalkaska	55	2	10	10	7	26
Kent	1,202	17	111	214	201	659
Keweenaw	20	1	5	3	1	10

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	43	5	8	10	2	18
Lapeer	223	0	26	39	39	119
Leelanau	56	2	7	10	3	34
Lenawee	202	2	19	32	41	108
Livingston	381	7	56	64	60	194
Luce	24	0	5	5	3	11
Mackinac	60	1	12	7	10	30
Macomb	1,621	27	156	270	314	854
Manistee	60	0	10	13	6	31
Marquette	151	4	13	28	18	88
Mason	79	3	14	14	8	40
Mecosta	97	1	10	16	17	53
Menominee	83	4	11	19	6	43
Midland	170	4	25	31	13	97
Missaukee	34	2	5	4	5	18
Monroe	364	15	35	74	58	182
Montcalm	159	5	30	28	19	77
Montmorency	35	0	7	9	3	16
Muskegon	351	15	44	58	54	180
Newaygo	138	2	18	24	21	73
Oakland	2,540	47	222	419	545	1,307
Oceana	78	1	7	13	9	48
Ogemaw	84	2	15	19	9	39
Ontonagon	41	1	5	6	3	26
Osceola	83	3	12	15	10	43
Oscoda	49	0	6	12	5	26
Otsego	74	1	12	10	8	43
Ottawa	361	6	31	59	57	208
Presque Isle	30	2	3	8	2	15
Roscommon	93	2	17	15	10	49
Saginaw	516	12	53	92	75	284
Sanilac	91	2	16	18	10	45
Schoolcraft	31	1	4	6	3	17
Shiawassee	197	6	22	39	29	101
St. Clair	445	7	58	94	63	223
St. Joseph	178	7	26	36	25	84
Tuscola	174	5	23	28	22	96
Van Buren	206	4	34	44	25	99
Washtenaw	620	15	65	112	125	303
Wayne	3,974	85	467	598	824	2,000
Wexford	89	0	17	16	15	41
Unknown	6	0	1	2	0	3
Totals	23,124	512	2,686	4,118	3,783	12,025

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

ALCOHOL

COUNTY	1995 Population Estimate	All Crashes	Fatal Crashes	HBD Crashes	HBD Fatal Crashes	HBD Fatal Crash Rate per 1,000 people
Lake	9,664	644	10	43	5	0.5174
Keweenaw	1,967	116	1	20	1	0.5084
Alcona	10,587	816	5	47	4	0.3778
Arenac	16,151	1,134	7	56	5	0.3096
Cheboygan	22,854	1,146	9	87	4	0.1750
Charlevoix	23,052	1,331	8	74	4	0.1735
Menominee	24,569	1,970	6	83	4	0.1628
Missaukee	13,522	820	2	34	2	0.1479
Presque Isle	14,242	803	2	30	2	0.1404
Osceola	21,756	1,710	6	83	3	0.1379
Kalkaska	14,696	901	7	55	2	0.1361
Allegan	97,692	4,168	28	302	13	0.1331
Delta	38,655	2,432	5	111	5	0.1293
Iosco	24,482	1,322	5	100	3	0.1225
Baraga	8,493	655	2	25	1	0.1177
Ontonagon	8,639	901	1	41	1	0.1158
St. Joseph	60,684	2,711	15	178	7	0.1154
Schoolcraft	8,700	577	3	31	1	0.1149
Dickinson	27,176	1,804	4	67	3	0.1104
Mason	27,487	1,685	5	79	3	0.1091
Chippewa	36,859	1,949	9	131	4	0.1085
Leelanau	18,502	791	2	56	2	0.1081
Monroe	139,550	4,674	27	364	15	0.1075
Clare	28,078	1,672	8	79	3	0.1068
Jackson	154,010	7,085	26	439	16	0.1039
Alger	9,846	560	1	33	1	0.1016
Alpena	30,841	1,447	4	81	3	0.0973
Ogemaw	20,559	1,266	6	84	2	0.0973
Muskegon	164,459	6,473	31	351	15	0.0912
Mackinac	10,978	919	3	60	1	0.0911
Isabella	56,213	2,996	11	159	5	0.0889
Roscommon	22,593	1,195	4	93	2	0.0885
Hillsdale	45,224	2,461	12	112	4	0.0884
Tuscola	57,491	2,455	17	174	5	0.0870
Montcalm	57,866	3,302	15	159	5	0.0864
Ionia	59,846	2,752	13	168	5	0.0835
Shiawassee	72,079	2,517	15	197	6	0.0832
Gladwin	24,304	1,086	4	81	2	0.0823
Calhoun	140,689	7,138	28	402	11	0.0782
Crawford	13,523	869	4	43	1	0.0739
Genesee	436,381	16,386	68	1,498	28	0.0642
Bay	111,529	4,178	19	356	7	0.0628
Kalamazoo	227,973	10,987	32	561	14	0.0614
Marquette	65,442	2,998	13	151	4	0.0611
Cass	49,603	2,257	15	165	3	0.0605

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

COUNTY	1995 Population Estimate	All Crashes	Fatal Crashes	HBD Crashes	HBD Fatal Crashes	HBD Fatal Crash Rate per 1,000 people
Saginaw	212,295	8,997	28	516	12	0.0565
Gogebic	17,894	746	3	55	1	0.0559
Houghton	36,140	1,544	3	97	2	0.0553
Van Buren	74,591	3,165	14	206	4	0.0536
Livingston	133,601	5,506	24	381	7	0.0524
Washtenaw	292,609	12,581	44	620	15	0.0513
Midland	79,748	3,221	15	170	4	0.0502
Gratiot	39,973	1,816	9	69	2	0.0500
Antrim	20,257	1,105	6	55	1	0.0494
Otsego	20,762	1,148	2	74	1	0.0482
Sanilac	42,203	2,016	12	91	2	0.0474
Newaygo	43,587	2,197	5	138	2	0.0459
St. Clair	154,231	5,468	25	445	7	0.0454
Berrien	162,623	6,462	32	432	7	0.0430
Oceana	23,875	1,188	6	78	1	0.0419
Wayne	2,055,500	91,201	247	3,974	85	0.0414
Eaton	98,087	4,440	11	199	4	0.0408
Oakland	1,153,461	47,190	112	2,540	47	0.0407
Macomb	733,607	26,937	68	1,621	27	0.0368
Emmet	27,352	1,702	8	103	1	0.0366
Ingham	277,889	13,020	23	671	10	0.0360
Clinton	61,657	2,662	6	110	2	0.0324
Kent	525,355	24,061	51	1,202	17	0.0324
Ottawa	210,389	7,543	29	361	6	0.0285
Huron	35,224	1,966	8	77	1	0.0284
Grand Traverse	70,869	3,743	11	178	2	0.0282
Mecosta	37,725	2,904	7	97	1	0.0265
Branch	42,738	2,229	10	98	1	0.0234
Lenawee	96,706	3,775	17	202	2	0.0207
Barry	52,643	2,639	7	154	1	0.0190
Benzie	13,660	624	3	35	0	0.0000
Iron	13,177	1,092	0	46	0	0.0000
Lapeer	83,854	3,644	10	223	0	0.0000
Luce	5,599	393	1	24	0	0.0000
Manistee	22,915	1,102	5	60	0	0.0000
Montmorency	9,683	487	2	35	0	0.0000
Oscoda	8,682	508	1	49	0	0.0000
Wexford	28,686	1,865	3	89	0	0.0000
Unknown		127		6		
State Totals	9,549,353	421,073	1,386	23,124	512	0.0536

COUNTY RANKING
BY HBD FATAL CRASH RATE

ALCOHOL

County Ranking By
HBD Fatal Crash Rate
(per 1,000 Michigan residents)
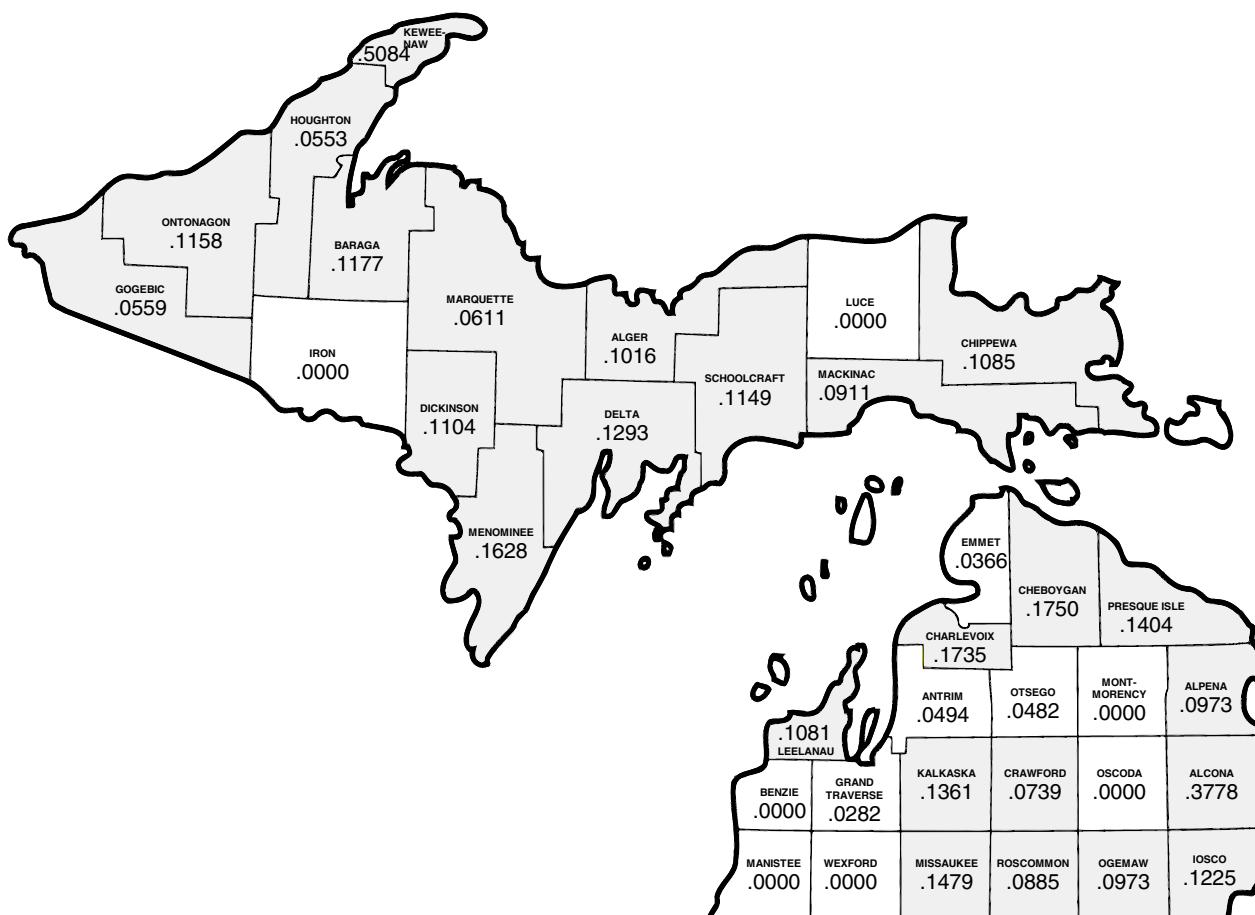
**State HBD Fatal Crash Rate
.0536**
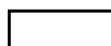
	at or below State average
	above State average

KEWEE-NAW .5084

HOUGHTON .0553

ONTONAGON .1158

BARAGA .1177

GOGEBIC .0559

IRON .0000

MARQUETTE .0611

ALGER .1016

LUCE .0000

CHIPPEWA .1085

DICKINSON .1104

DELTA .1293

SCHOOLCRAFT .1149

MACKINAC .0911

MENOMINEE .1628

EMMET .0366

CHEBOYGAN .1750

PRESQUE ISLE .1404

CHARLEVOIX .1735

.1081 LEELANAU

ANTRIM .0494

OTSEGO .0482

MONT-MORENCY .0000

ALPENA .0973

BENZIE .0000

GRAND TRAVERSE .0282

KALKASKA .1361

CRAWFORD .0739

OSCODA .0000

ALCONA .3778

MANISTEE .0000

WEXFORD .0000

MISSAUKEE .1479

ROSCOMMON .0885

OGEMAW .0973

IOSCO .1225

MASON .1091

LAKE .5174

OSCEOLA .1379

CLARE .1068

GLADWIN .0823

ARENAC .3096

HURON .0284

OCEANA .0419

NEWAYGO .0459

MECOSTA .0265

ISABELLA .0889

MIDLAND .0502

BAY .0628

TUSCOLA .0870

SANILAC .0474

MUSKEGON .0912

MONTCALM .0864

GRATIOT .0500

SAGINAW .0565

GENESEE .0642

LAPEER .0000

ST. CLAIR .0454

OTTAWA .0285

KENT .0324

IONIA .0835

CLINTON .0324

SHIAWASSEE .0832

OAKLAND .0407

MACOMB .0368

ALLEGAN .1331

BARRY .0190

EATON .0408

INGHAM .0360

LIVINGSTON .0524

VAN BUREN .0536

KALAMAZOO .0614

CALHOUN .0782

JACKSON .1039

WASHTENAW .0513

WAYNE .0414

BERRIEN .0430

CASS .0605

ST. JOSEPH .1154

BRANCH .0234

HILLSDALE .0884

LENAWEE .0207

MONROE .1075

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 5/1/96) **1,562**

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

	Total	*Change*			Total (All Ages)
*1996	1,799	2.0%	*9.2%*	*of Total OUIL Arrests*	19,615
1995	1,764	69.8%	*9.1%*	*of Total OUIL Arrests*	19,305
1994	1,039	-2.6%	*5.9%*	*of Total OUIL Arrests*	17,468
1993	1,067		*5.7%*	*of Total OUIL Arrests*	18,647

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

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

	Total	*Change*	**Fatal**	*Change*	**Injury**	*Change*	**Property**	*Change*	
*1996	32,938	2.6%	69	-23.3%	8,411	-4.1%	24,458	5.3%	Total
	575	-9.6%	**9**	-35.7%	**249**	-15.0%	**317**	-3.6%	**HBD**
1995	32,100	4.2%	90	20.0%	8,772	6.6%	23,238	3.3%	Total
	636	3.6%	**14**	7.7%	**293**	5.8%	**329**	1.5%	**HBD**
1994	30,801	9.9%	75	15.4%	8,228	7.3%	22,498	10.8%	Total
	614	-3.9%	**13**	-7.1%	**277**	-5.5%	**324**	-2.4%	**HBD**
1993	28,031		65		7,668		20,298		Total
	639		**14**		**293**		**332**		**HBD**

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

1996 data is incomplete, and is subject to change as new or revised data is reported

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 5/1/96

MICHIGAN MOTOR VEHICLE-DEER INVOLVED/ASSOCIATED CRASHES

Michigan had 62,535 reported motor vehicle-deer crashes during 1995. 2,193 people were injured and 8 people were killed as a result of those collisions. 65.3 percent of the vehicles were passenger cars.

Contrary to common belief, motor vehicle-deer crashes are happening most often in Michigan's southern, heavily populated counties; Kent County had the highest number with 1,976 such crashes in 1995.

KEWEE-NAW **39**

HOUGHTON **337**

ONTONAGON **651**

BARAGA **421**

GOGEBIC **218**

MARQUETTE **839**

IRON **730**

LUCE **204**

ALGER **253**

SCHOOLCRAFT **283**

CHIPPEWA **692**

MACKINAC **525**

DICKINSON **1025**

DELTA **1063**

MENOMINEE **1278**

EMMET **542**

CHEBOYGAN **439**

PRESQUE ISLE **504**

CHARLEVOIX **591**

ANTRIM **520**

OTSEGO **278**

MONT-MORENCY **249**

ALPENA **513**

313 LEELANAU

BENZIE **298**

GRAND TRAVERSE **485**

KALKASKA **340**

CRAWFORD **392**

OSCODA **254**

ALCONA **540**

MANISTEE **518**

WEXFORD **515**

MISSAUKEE **529**

ROSCOMMON **496**

OGEMAW **655**

IOSCO **592**

MASON **732**

LAKE **343**

OSCEOLA **991**

CLARE **814**

GLADWIN **546**

ARENAC **461**

HURON **1050**

OCEANA **577**

NEWAYGO **964**

MECOSTA **1610**

ISABELLA **1033**

MIDLAND **885**

BAY **296**

TUSCOLA **890**

SANILAC **1058**

MUSKEGON **693**

MONTCALM **1464**

GRATIOT **602**

SAGINAW **814**

LAPEER **1040**

KENT **1976**

IONIA **952**

CLINTON **858**

SHIAWASSEE **692**

GENESEE **1133**

ST. CLAIR **848**

OTTAWA **1026**

MACOMB **580**

ALLEGAN **1039**

BARRY **1226**

EATON **1287**

INGHAM **1123**

LIVINGSTON **1150**

OAKLAND **1331**

VAN BUREN **795**

KALAMAZOO **1402**

CALHOUN **1615**

JACKSON **1699**

WASHTENAW **1343**

WAYNE **319**

BERRIEN **661**

CASS **792**

ST. JOSEPH **679**

BRANCH **813**

HILLSDALE **1031**

LENAWEE **801**

MONROE **348**

Vehicle-Deer Crashes

- 0 - 299
- 300 - 599
- 600 - 999
- 1000 - 1499
- 1500 +

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

LIGHT CONDITION	All Crashes		Fatal Crashes		Injury			PDO
	Number	% of Total	Number	% of Fatal	A	B	C	
Daylight	11,809	18.9	1	14.3	45	204	306	11,253
Dawn	4,881	7.8	1	14.3	13	29	74	4,764
Dusk	3,244	5.2	0	0.0	7	34	44	3,159
Dark - Lighted	1,867	3.0	0	0.0	4	12	34	1,817
Dark - Unlighted	39,848	63.7	5	71.4	80	304	664	38,795
Other/Unknown	886	1.4	0	0.0	2	9	12	863
Totals	62,535	100.0	7	100.0	151	592	1,134	60,651

Five of the seven fatal deer crashes in Michigan in 1995 occurred in dark, unlighted conditions. All motor vehicle-deer involved/associated crashes peaked during the 6:00 - 8:59 PM time period. Fatal deer crashes peaked during the late evening hours (9:00 - 11:59 PM).

Time and Severity

	12:00 Mid. - 02:59 A	03:00 A - 05:59 A	06:00 A - 08:59 A	09:00 A - 11:59 A	12:00 Noon - 02:59 P	03:00 P - 05:59 P	06:00 P - 08:59 P	09:00 P - 11:59 P
All	5,382	6,348	11,142	2,838	2,216	4,570	16,178	13,143
Fatal	1	1	1	0	0	1	1	2
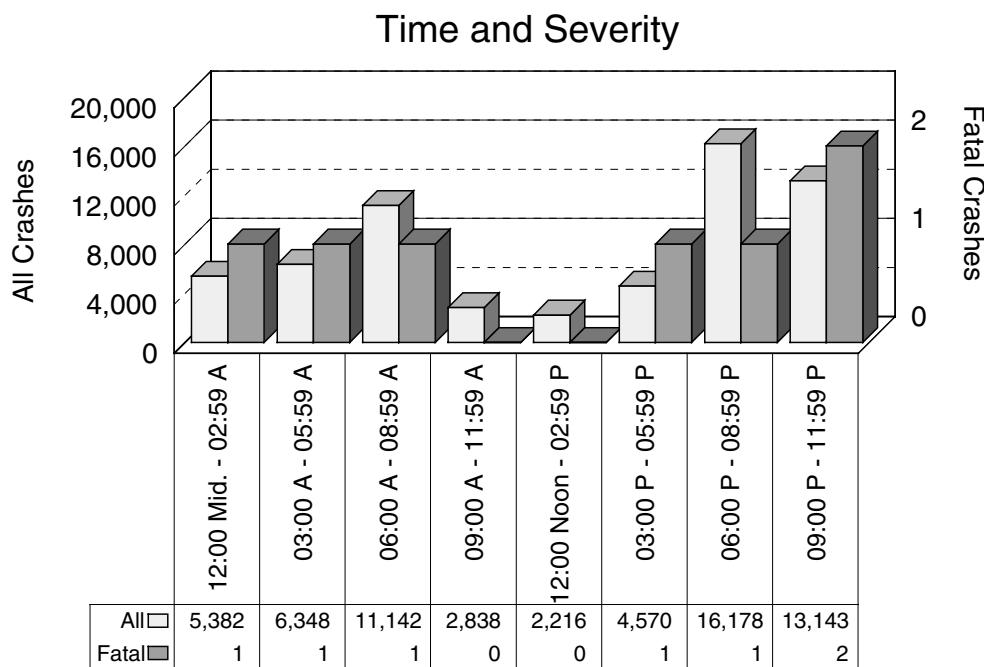
MONTHLY AND SEASONAL RATES
FOR MOTOR VEHICLE-DEER CRASHES

MONTH	All Crashes		Fatal Crashes		Injury			PDO
	Number	% of Total	Number	% of Fatal	A	B	C	
January	4,337	6.9	0	0.0	5	22	55	4,255
February	2,689	4.3	0	0.0	3	10	32	2,644
March	3,329	5.3	0	0.0	6	25	51	3,247
April	3,256	5.2	0	0.0	7	40	59	3,150
May	4,385	7.0	0	0.0	15	68	92	4,210
June	4,557	7.3	0	0.0	23	88	103	4,343
July	3,011	4.8	3	42.9	17	41	76	2,874
August	2,259	3.6	0	0.0	13	41	61	2,144
September	4,837	7.7	0	0.0	12	55	83	4,687
October	9,834	15.7	1	14.3	30	80	190	9,533
November	12,801	20.5	0	0.0	18	86	222	12,475
December	7,240	11.6	3	42.9	2	36	110	7,089
Totals	62,535	100.0	7	100.0	151	592	1,134	60,651

All Motor Vehicle-Deer Crashes
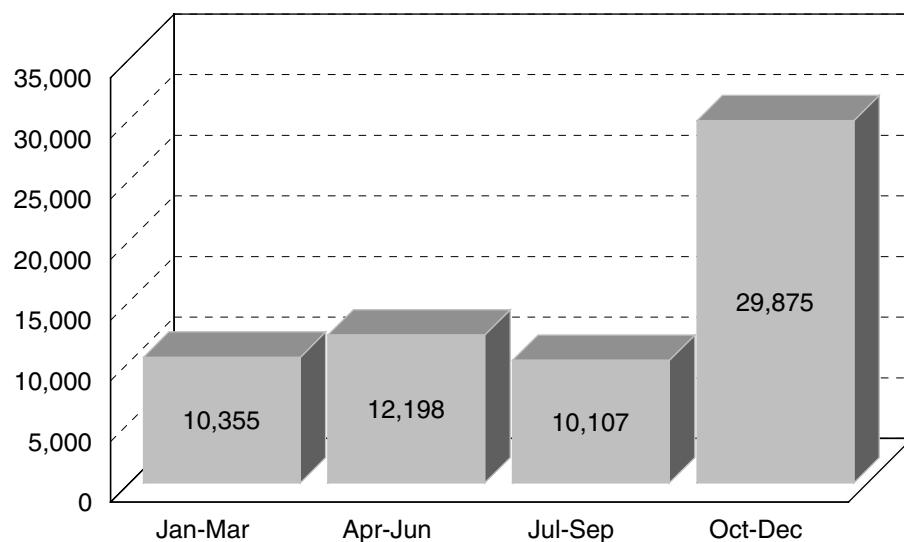
Crashes involving deer occurred most frequently during the second quarter (19.5%) and the fourth quarter (47.8%) of the year for a total of 67 percent of all reported motor vehicle-deer collisions.

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	540	0	10	530	0	82	124	334	0	12
Alger	253	0	3	250	0	35	142	76	0	4
Allegan	1,039	0	31	1,008	68	71	154	746	0	39
Alpena	513	0	9	504	0	68	96	349	0	10
Antrim	520	0	14	506	0	107	101	312	0	18
Arenac	461	0	19	442	22	131	26	282	0	22
Baraga	421	0	13	408	0	144	84	193	0	17
Barry	1,226	0	39	1,187	0	0	396	830	0	43
Bay	296	0	5	291	12	18	45	221	0	6
Benzie	298	0	10	288	0	72	58	168	0	14
Berrien	661	0	28	633	77	128	75	381	0	31
Branch	813	0	26	787	74	58	44	637	0	32
Calhoun	1,615	0	35	1,580	191	0	220	1,204	0	46
Cass	792	0	30	762	1	52	244	495	0	38
Charlevoix	591	0	6	585	0	152	102	337	0	6
Cheboygan	439	0	21	418	70	30	104	235	0	27
Chippewa	692	0	17	675	59	0	263	370	0	20
Clare	814	0	20	794	0	165	143	506	0	21
Clinton	858	0	24	834	95	110	41	612	0	26
Crawford	392	0	4	388	57	7	129	199	0	4
Delta	1,063	0	27	1,036	0	246	206	611	0	34
Dickinson	1,025	0	16	1,009	0	292	289	444	0	19
Eaton	1,287	0	39	1,248	117	42	343	785	0	46
Emmet	542	0	19	523	0	125	50	367	0	21
Genesee	1,133	0	33	1,100	126	35	153	819	0	35
Gladwin	546	0	21	525	0	0	199	347	0	24
Gogebic	218	0	8	210	0	115	28	75	0	9
Grand Traverse	485	0	9	476	0	51	86	348	0	11
Gratiot	602	0	14	588	0	108	101	393	0	16
Hillsdale	1,031	0	24	1,007	0	83	207	741	0	29
Houghton	337	0	16	321	0	69	119	149	0	19
Huron	1,050	0	23	1,027	0	0	395	655	0	25
Ingham	1,123	0	24	1,099	96	81	120	826	0	26
Ionia	952	1	21	930	76	0	233	643	1	28
Iosco	592	0	19	573	0	73	165	354	0	22
Iron	730	0	16	714	0	179	251	300	0	19
Isabella	1,033	2	22	1,009	0	97	103	833	2	27
Jackson	1,699	0	61	1,638	71	113	245	1,270	0	69
Kalamazoo	1,402	0	33	1,369	53	121	105	1,123	0	35
Kalkaska	340	0	13	327	0	31	82	227	0	16
Kent	1,976	0	61	1,915	109	101	298	1,468	0	72
Keweenaw	39	0	1	38	0	16	11	12	0	1
Lake	343	0	7	336	0	54	51	238	0	7
Lapeer	1,040	0	33	1,007	70	0	231	739	0	41
Leelanau	313	0	8	305	0	0	102	211	0	8
Lenawee	801	0	25	776	0	165	155	481	0	30

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	1,150	0	69	1,081	110	62	116	862	0	83
Luce	204	0	4	200	0	0	101	103	0	4
Mackinac	525	0	19	506	61	111	170	183	0	21
Macomb	580	0	32	548	28	0	115	437	0	38
Manistee	518	0	11	507	0	91	122	305	0	13
Marquette	839	1	32	806	0	218	169	452	2	41
Mason	732	0	22	710	0	210	8	514	0	25
Mecosta	1,610	0	25	1,585	0	251	309	1,050	0	27
Menominee	1,278	0	35	1,243	0	389	131	758	0	38
Midland	885	0	23	862	0	68	84	733	0	28
Missaukee	529	0	9	520	0	0	155	374	0	13
Monroe	348	1	19	328	30	83	24	211	1	21
Montcalm	1,464	0	33	1,431	0	42	422	1,000	0	42
Montmorency	249	0	7	242	0	0	109	140	0	7
Muskegon	693	0	33	660	10	84	72	527	0	39
Newaygo	964	0	22	942	0	0	285	679	0	27
Oakland	1,331	0	44	1,287	109	14	155	1,053	0	48
Oceana	577	0	22	555	0	144	53	380	0	27
Ogemaw	655	0	15	640	65	0	164	426	0	17
Ontonagon	651	0	12	639	0	155	301	195	0	15
Osceola	991	1	30	960	0	209	185	597	1	32
Oscoda	254	0	9	245	0	0	94	160	0	11
Otsego	278	0	12	266	45	0	35	198	0	14
Ottawa	1,026	0	23	1,003	88	55	102	781	0	23
Presque Isle	504	0	9	495	0	126	111	267	0	12
Roscommon	496	0	15	481	66	45	77	308	0	16
Saginaw	814	0	32	782	35	0	203	576	0	35
Sanilac	1,058	0	33	1,025	0	0	401	657	0	38
Schoolcraft	283	0	12	271	0	90	106	87	0	13
Shiawassee	692	0	30	662	69	0	162	461	0	39
St. Clair	848	0	37	811	95	0	125	628	0	39
St. Joseph	679	0	24	655	0	92	147	440	0	29
Tuscola	890	0	21	869	0	0	294	596	0	24
Van Buren	795	0	32	763	90	0	205	500	0	37
Washtenaw	1,343	1	71	1,271	61	113	145	1,024	1	81
Wayne	319	0	23	296	37	14	33	235	0	31
Wexford	515	0	17	498	0	62	203	250	0	18
UNKNOWN	32	0	2	30	0	0	0	32	0	2
Totals	62,535	7	1,877	60,651	2,443	6,355	12,612	41,125	8	2,193

1995
1995
1995
1995

Crash

1995
1995
1995
1995

ALL CRASHES INJURY SEVERITY BY MONTH

Fatal Crashes

	J	F	M	A	M	J	J	A	S	O	N	D
Fatal Crashes	110	85	94	96	113	134	109	133	135	126	125	126
All Crashes	38,243	32,397	28,661	28,128	32,851	33,494	30,450	30,884	33,265	40,733	48,022	43,945

Injury and PDO Crashes

	J	F	M	A	M	J	J	A	S	O	N	D
INJURY	8,507	7,461	6,873	7,116	8,606	8,943	8,335	8,691	8,615	8,946	9,163	8,951
PDO	29,626	24,851	21,694	20,916	24,132	24,417	22,006	22,060	24,515	31,661	38,734	34,868
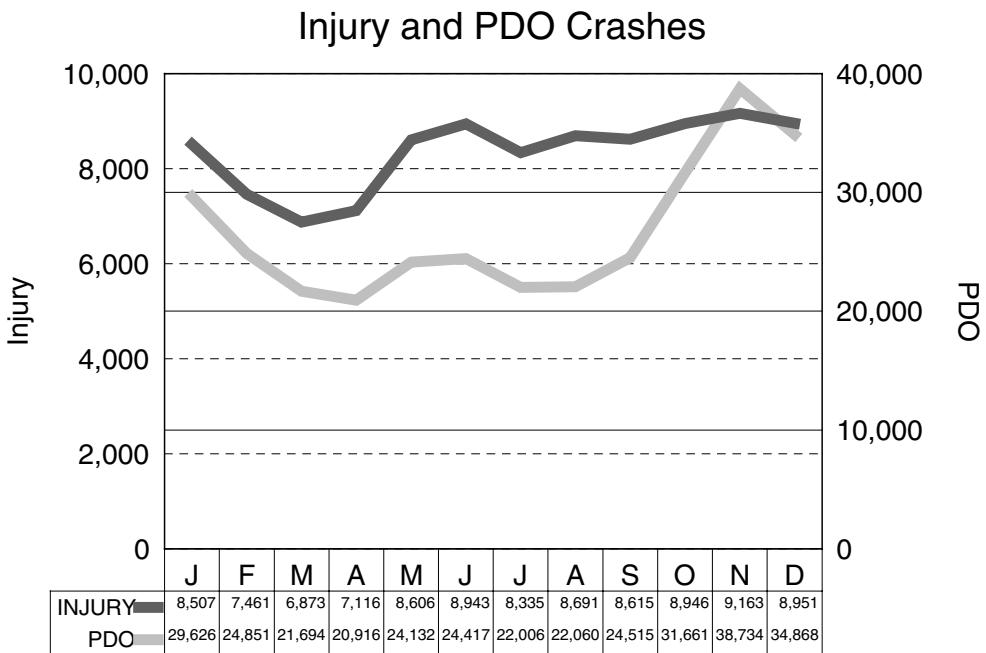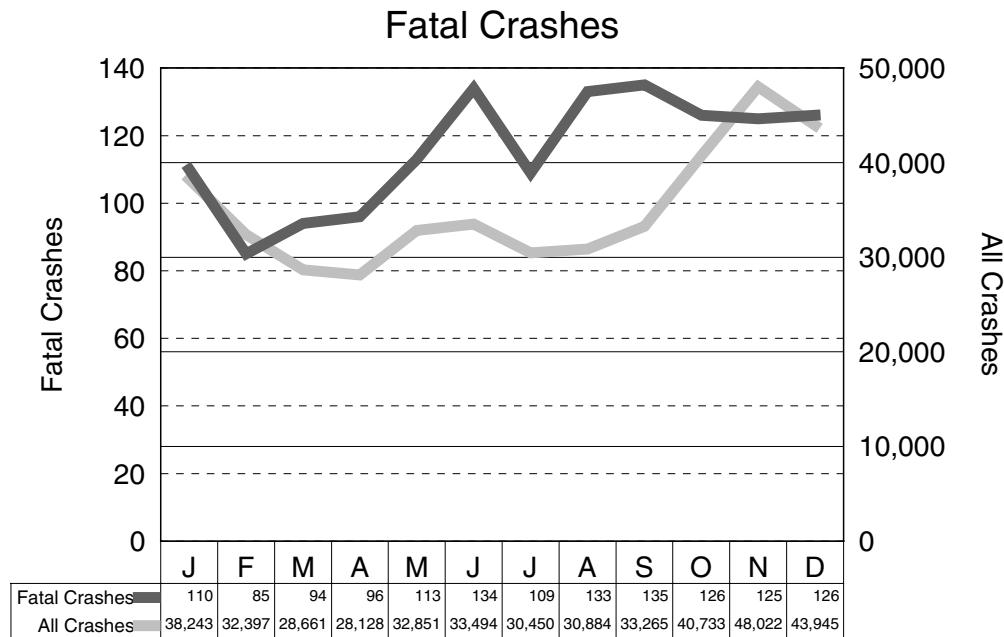
The charts on this page show that the months of June, August, and September are peak months in terms of the ratio of the number of crashes involving death or injury to the number of noninjury crashes. That is, if a person was in a motor vehicle crash during one of these months there was a higher chance 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. 1995 estimated mileage figures were provided by the Michigan Department of Transportation [10].

STATEWIDE	Estimated Mileage (Billions)	All Crashes	Injury Crashes	Deaths	Total Crash Rate	Injury Crash Rate	Death Rate
Limited Access Roadways	25.2	35,385	9,165	156	140.4	36.4	0.6
U.S. & Michigan Roads	20.4	109,390	26,720	452	536.2	131.0	2.2
County & City Roads	40.1	276,298	64,322	929	689.0	160.4	2.3
Totals	85.7	421,073	100,207	1,537	491.3	116.9	1.8

Rates per 100 Million Vehicle Miles
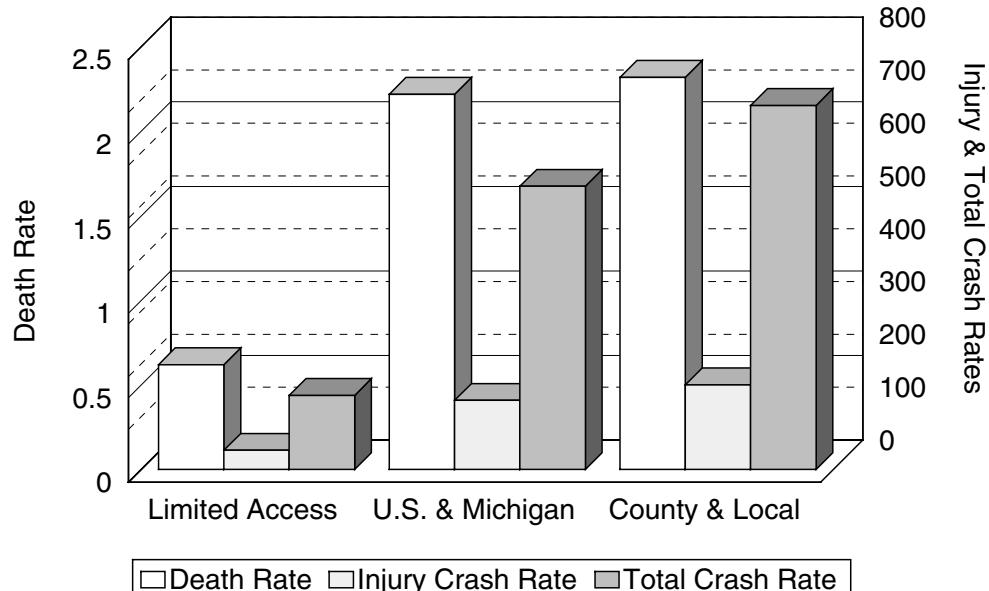
CRASH TYPE

CRASH TYPE	All Crashes		Fatal Crashes		Injury			PDO
	Number	% of Total	Number	% of Fatal	A	B	C	
Single Vehicle	124,599	29.6	613	44.2	4,406	8,527	10,252	100,801
Head On	9,946	2.4	180	13.0	1,039	1,159	1,452	6,116
Head On - Left Turn	14,092	3.3	63	4.5	952	1,806	3,062	8,209
Angle	86,892	20.6	356	25.7	3,604	7,153	15,501	60,278
Rear End	99,912	23.7	67	4.8	1,857	4,381	22,487	71,120
Rear End - Left Turn	4,689	1.1	4	0.3	119	299	918	3,349
Rear End - Right Turn	3,126	0.7	0	0.0	31	70	506	2,519
Sideswipe - Same Direction	34,293	8.1	18	1.3	378	843	2,388	30,666
Sideswipe - Opposite Direct	12,978	3.1	19	1.4	220	442	1,105	11,192
Other	23,735	5.6	59	4.3	703	1,158	2,065	19,750
Unknown	6,811	1.6	7	0.5	195	329	800	5,480
Totals	421,073	100.0	1,386	100.0	13,504	26,167	60,536	319,480

Single Vehicle, Head On, and Angle crash types produce the highest number of fatal crashes (82.9%). Single Vehicle crashes include rollovers, which are particularly deadly crash types. Rear End - Turning and Sideswipe crashes produce the lowest number of fatal crashes (3.0%).

RELATION TO ROADWAY

| LOCATION OF FIRST IMPACT	All Crashes		Fatal Crashes		Injury			PDO
	Number	% of Total	Number	% of Fatal	A	B	C	
On Road	358,886	85.2	953	68.8	10,023	19,533	52,355	276,022
Median	2,683	0.6	33	2.4	177	303	421	1,749
Shoulder	17,682	4.2	96	6.9	803	1,529	2,192	13,062
Outside of Shoulder/Curb	32,996	7.8	278	20.1	2,087	4,103	4,480	22,048
Gore	685	0.2	5	0.4	55	76	96	453
Other/Unknown	8,141	1.9	21	1.5	359	623	992	6,146
Totals	421,073	100.0	1,386	100.0	13,504	26,167	60,536	319,480

Crashes that happen outside of the normal driving lanes are overrepresented in the fatal count. Only 7.8 percent of crashes occur outside the shoulder of the road, but these crashes account for 20.1 percent of the fatal crashes.
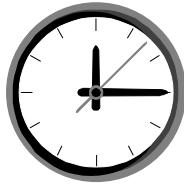
TIME AND SEVERITY

TIME OF DAY	All Crashes		Fatal Crashes		Injury			PDO
	Number	% of Total	Number	% of Fatal	A	B	C	
12:00 mid. - 02:59 a.m.	23,952	5.7	168	12.1	1,286	2,185	2,652	17,661
03:00 a.m. - 05:59 a.m.	15,538	3.7	99	7.1	571	1,002	1,349	12,517
06:00 a.m. - 08:59 a.m.	48,927	11.6	122	8.8	1,283	2,413	6,539	38,570
09:00 a.m. - 11:59 a.m.	49,687	11.8	166	12.0	1,479	2,987	7,720	37,335
12:00 noon - 02:59 p.m.	70,658	16.8	197	14.2	2,256	4,307	11,895	52,003
03:00 p.m. - 05:59 p.m.	95,367	22.6	231	16.7	2,852	6,062	16,059	70,163
06:00 p.m. - 08:59 p.m.	66,946	15.9	198	14.3	2,135	4,135	8,642	51,836
09:00 p.m. - 11:59 p.m.	43,966	10.4	192	13.9	1,506	2,800	5,000	34,468
Unknown	6,032	1.4	13	0.9	136	276	680	4,927
Total	421,073	100.0	1,386	100.0	13,504	26,167	60,536	319,480

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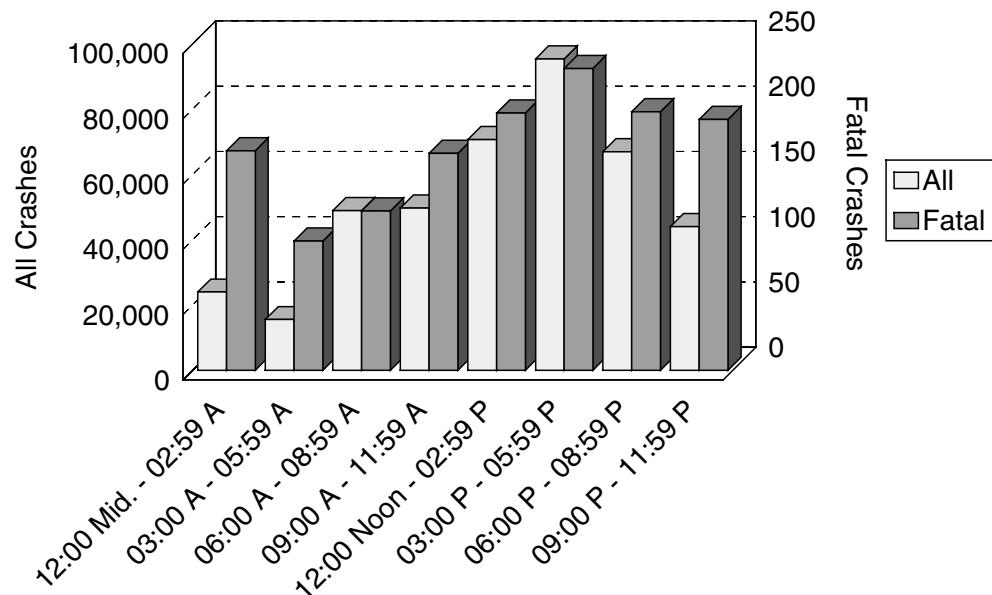
Crash frequencies peak in the late afternoon, then drop off steadily until 6:00 AM (the morning rush hour). Fatal crash frequencies rise with the frequency of other crashes, but continue at a high rate well into the early morning hours. There are proportionally more fatal crashes during the midnight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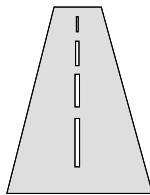
ROAD CONDITION

ROAD SURFACE CONDITION	All Crashes		Fatal Crashes		Injury			PDO
	Number	% of Total	Number	% of Fatal	A	B	C	
Dry	265,420	63.0	986	71.1	9,160	17,503	37,934	199,837
Wet	78,943	18.7	212	15.3	2,316	4,779	13,244	58,392
Icy	30,905	7.3	67	4.8	802	1,632	4,068	24,336
Snowy	29,513	7.0	80	5.8	718	1,332	3,224	24,159
Muddy	727	0.2	3	0.2	36	70	94	524
Slushy	5,017	1.2	15	1.1	179	318	736	3,769
Debris	214	0.1	0	0.0	13	24	29	148
Other/Unknown	10,334	2.5	23	1.7	280	509	1,207	8,315
Totals	421,073	100.0	1,386	100.0	13,504	26,167	60,536	319,480

ALL CRASHES

Dry 63.0%
Other/Unk 2.5%
Debris 0.1%
Slushy 1.2%
Muddy 0.2%
Snowy 7.0%
Icy 7.3%
Wet 18.7%

FATAL CRASHES

Dry 71.1%
Other/Unk 1.7%
Slushy 1.1%
Muddy 0.2%
Snowy 5.8%
Icy 4.8%
Wet 15.3%
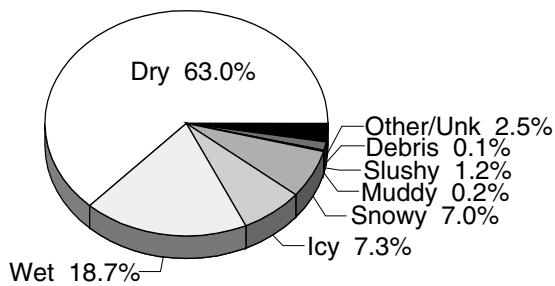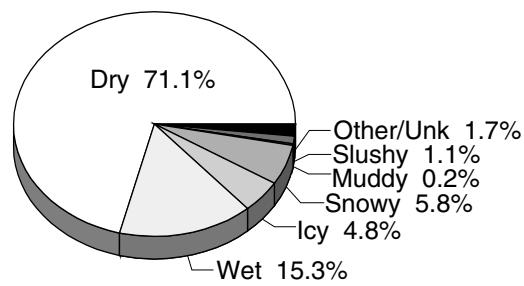
Most crashes (63.0%) and most fatal crashes (71.1%) occur on dry roads. This indicates that Michigan drivers do a good job of adjusting their driving behavior for bad road conditions.

WEATHER CONDITION

WEATHER CONDITION	All Crashes		Fatal Crashes		Injury			PDO
	Number	% of Total	Number	% of Fatal	A	B	C	
Clear	198,653	47.2	667	48.1	7,055	12,909	28,287	149,735
Cloudy	121,131	28.8	445	32.1	3,666	7,568	17,485	91,967
Fog/Smoke	4,003	1.0	28	2.0	154	240	488	3,093
Rain	43,443	10.3	107	7.7	1,289	2,744	7,517	31,786
Snow/Blowing Snow	42,557	10.1	116	8.4	1,097	2,178	5,441	33,725
Severe Wind	247	0.1	1	0.1	10	18	27	191
Sleet/Hail	2,231	0.5	7	0.5	57	122	321	1,724
Other/Unknown	8,808	2.1	15	1.1	176	388	970	7,259
Totals	421,073	100.0	1,386	100.0	13,504	26,167	60,536	319,480

ALL CRASHES

Other/Unk 2.1%
Sleet/Hail 0.5%
Severe Wind 0.1%
Clear 47.2%
Snow/Blowing Snow 10.1%
Rain 10.3%
Fog/Smoke 1.0%
Cloudy 28.8%

FATAL CRASHES

Other/Unk 1.1%
Sleet/Hail 0.5%
Severe Wind 0.1%
Clear 48.1%
Snow/Blowing Snow 8.4%
Rain 7.7%
Fog/Smoke 2.0%
Cloudy 32.1%
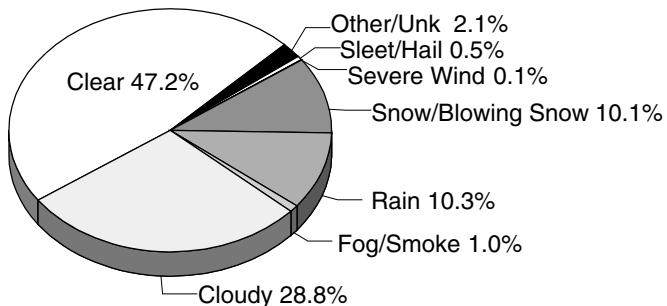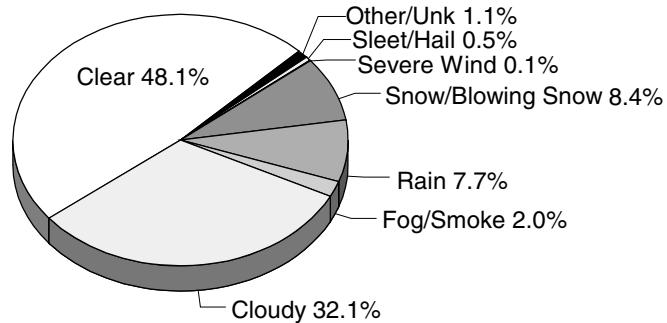
The majority of all crashes occur in good weather (47.2%) as do the majority of fatal crashes (48.1%). Of bad weather conditions, fog and smoke present the greatest hazard as they are overrepresented in fatal crashes.
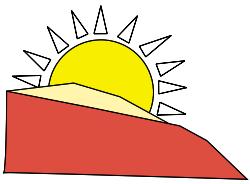
LIGHT CONDITION

LIGHT CONDITION	All Crashes		Fatal Crashes		Injury			PDO
	Number	% of Total	Number	% of Fatal	A	B	C	
Daylight	255,461	60.7	716	51.7	8,169	16,486	42,225	187,865
Dawn	11,891	2.8	17	1.2	250	511	1,224	9,889
Dusk	14,127	3.4	35	2.5	409	716	1,835	11,132
Dark - Lighted	56,450	13.4	227	16.4	2,328	4,195	8,835	40,865
Dark - Unlighted	75,497	17.9	376	27.1	2,205	3,945	5,588	63,383
Other/Unknown	7,647	1.8	15	1.1	143	314	829	6,346
Totals	421,073	100.0	1,386	100.0	13,504	26,167	60,536	319,480

ALL CRASHES

Daylight 60.7%
Other/Unk 1.8%
Dawn 2.8%
Dusk 3.4%
Dark - Lighted 13.4%
Dark - Unlighted 17.9%

FATAL CRASHES

Daylight 51.7%
Dawn 1.2%
Dusk 2.5%
Dark - Lighted 16.4%
Other/Unk 1.1%
Dark - Unlighted 27.1%
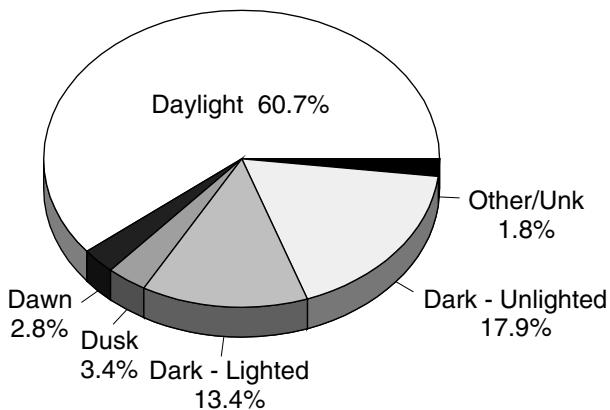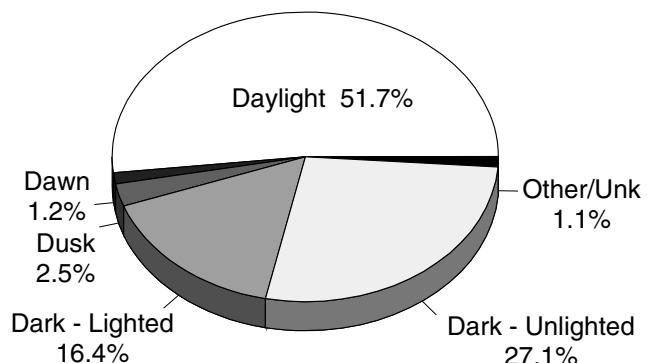
The majority (60.7%) of all crashes happen during daylight hours. Dark conditions create the greatest hazard, as they are overrepresented in fatal crashes. Areas without street lights have the highest fatality rate.

CRASH RATES AT INTERSECTIONS
BY TRAFFIC CONTROL TYPE

TRAFFIC CONTROL TYPE	All Crashes		Fatal Crashes		Injury			PDO
	Number	% of Total	Number	% of Fatal	A	B	C	
Signal	64,147	40.8	133	30.8	2,149	4,616	13,667	43,582
Stop Sign	37,460	23.8	188	43.5	1,574	3,170	6,636	25,892
Yield Sign	2,901	1.8	4	0.9	108	261	605	1,923
None of These	41,573	26.4	84	19.4	1,335	2,715	6,684	30,755
Unknown	11,174	7.1	23	5.3	363	673	1,827	8,288
Totals	157,255	100.0	432	100.0	5,529	11,435	29,419	110,440

ALL CRASHES

Signal
40.8%

Stop Sign
23.8%

Unknown
7.1%

Yield Sign
1.8%

None of These
26.4%

FATAL CRASHES

Signal
30.8%

Stop Sign
43.5%

Unknown
5.3%

None of These
19.4%

Yield Sign
0.9%
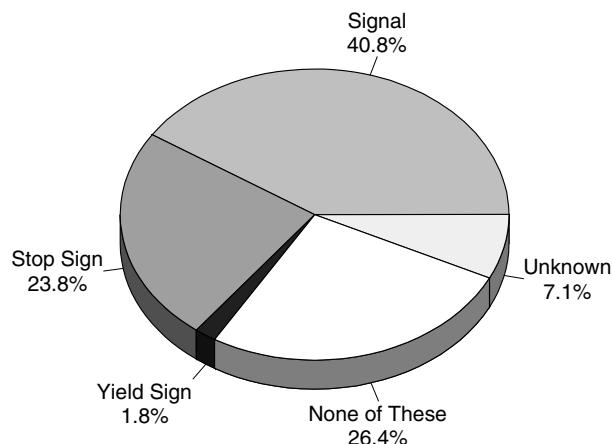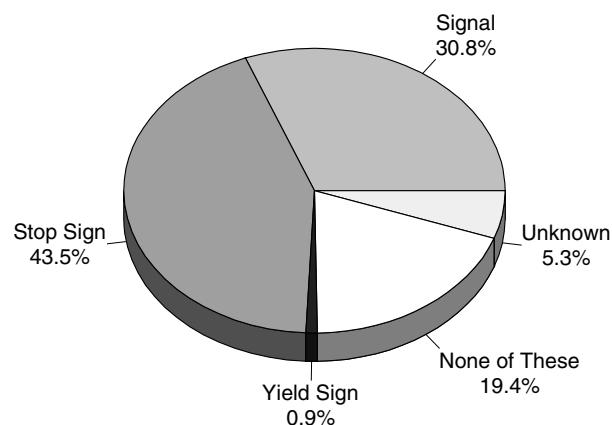
CONSTRUCTION ZONE CRASHES

CONSTRUCTION ZONE TYPE	All Crashes		Fatal Crashes		Injury			PDO
	Number	% of Total	Number	% of Fatal	A	B	C	
Construction/Maintenance								
Activity - On Road								
Lane Closed	2,361	43.4	4	25.0	41	110	410	1,796
Lane Open	783	14.4	2	12.5	22	44	128	587
Unk Lane Closure	133	2.4	0	0.0	6	4	15	108
Activity - Off Road								
Lane Closed	244	4.5	1	6.3	10	13	42	178
Lane Open	577	10.6	2	12.5	14	43	98	420
Unk Lane Closure	39	0.7	0	0.0	1	2	6	30
Activity - None								
Lane Closed	508	9.3	1	6.3	20	34	86	367
Lane Open	540	9.9	6	37.5	19	45	85	385
Unk Lane Closure	32	0.6	0	0.0	0	2	8	22
Activity - Unknown								
Lane Closed	75	1.4	0	0.0	2	7	9	57
Lane Open	34	0.6	0	0.0	0	1	3	30
Unk Lane Closure	108	2.0	0	0.0	3	7	10	88
Sub-Total	5,434	100.0	16	100.0	138	312	900	4,068
Utility								
Activity - On Road								
Lane Closed	122	25.9	0	0.0	1	4	13	104
Lane Open	96	20.4	0	0.0	6	5	12	73
Unk Lane Closure	11	2.3	0	0.0	0	0	4	7
Activity - Off Road								
Lane Closed	38	8.1	0	0.0	0	3	5	30
Lane Open	63	13.4	0	0.0	3	7	11	42
Unk Lane Closure	5	1.1	0	0.0	1	0	1	3
Activity - None								
Lane Closed	9	1.9	0	0.0	0	0	3	6
Lane Open	41	8.7	0	0.0	1	4	7	29
Unk Lane Closure	1	0.2	0	0.0	0	1	0	0
Activity - Unknown								
Lane Closed	3	0.6	0	0.0	0	0	0	3
Lane Open	3	0.6	0	0.0	0	0	1	2
Unk Lane Closure	79	16.8	0	0.0	1	7	10	61
Sub-Total	471	100.0	0	0.0	13	31	67	360
Total	5,905		16		151	343	967	4,428

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**Vehicle/
Driver**

VEHICLE TYPE CRASH INVOLVEMENT

Vehicle Types	Motor Vehicles		Fatal Crash		Injury	PDO	Fatality in Veh		Injury	PDO
	Number	% of Total	Number	% of Total			Number	% of Total		
Passenger Car and Station Wagon	520,782	71.2	1,441	62.3	138,246	381,095	877	73.1	89,049	387,486
Van and Motorhome	52,150	7.1	163	7.0	12,916	39,071	55	4.6	6,912	41,197
Pickup	100,433	13.7	360	15.6	22,287	77,786	142	11.8	11,719	82,159
Small Truck (under 10,000 lbs.)	9,911	1.4	33	1.4	2,261	7,617	13	1.1	1,186	8,064
Cycle	2,651	0.4	80	3.5	1,999	572	77	6.4	1,961	512
Moped	341	0.0	3	0.1	261	77	3	0.3	253	69
Go Cart	13	0.0	0	0.0	8	5	0	0.0	8	2
Snowmobile	700	0.1	16	0.7	446	238	16	1.3	401	247
Off Road Vehicle	235	0.0	2	0.1	182	51	2	0.2	168	52
Other	1,841	0.3	8	0.3	415	1,418	3	0.3	176	1,376
Uncoded	23,016	3.1	24	1.0	2,967	20,025	4	0.3	731	3,546
CDL Truck/Bus (breakdown below)	18,879	2.6	183	7.9	4,126	14,570	7	0.6	1,081	16,356
Totals	730,952*	100.0	2,313	100.0	186,114	542,525	1,199	100.0	113,645	541,066

The column headers "MOST SEVERE OUTCOME IN CRASH" span the Fatal Crash, Injury, and PDO columns, and "MOST SEVERE OUTCOME IN VEHICLE" span the Fatality in Veh, Injury, and PDO columns.

✳ Includes 75,042 with unknown injury severity for Most Severe Outcome in Vehicle

CDL Truck/Bus Sub-category Types	Motor Vehicles		Fatal Crash		Injury	PDO	Fatality in Veh		Injury	PDO
	Number	% of Total	Number	% of Total			Number	% of Total		
Uncoded Truck	2,162	11.5	9	4.9	399	1,754	1	14.3	80	1,513
Commercial Vehicle: Group A	8,745	46.3	111	60.7	1,959	6,675	5	71.4	496	7,969
Commercial Vehicle: Group B	3,930	20.8	32	17.5	879	3,019	0	0.0	279	3,522
Commercial Vehicle: Group C	497	2.6	3	1.6	112	382	0	0.0	45	434
Other Truck	1,042	5.5	7	3.8	227	808	0	0.0	60	939
Unknown Truck	2,503	13.3	21	11.5	550	1,932	1	14.3	121	1,979
Totals	18,879*	100.0	183	100.0	4,126	14,570	7	100.0	1,081	16,356

✳ Includes 1,435 with unknown injury severity for Most Severe Outcome in Vehicle

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

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

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

VEHICLE TYPES IN CRASHES BY CRASH SEVERITY

FATAL

Automobile
62.3%

Other **2.3%**
Motorcycle **3.5%**
CDL Truck/Bus **7.9%**
Truck under 10,000 lbs **1.4%**
Pickup **15.6%**
Van (includes Mini-van),
Motorhome **7.0%**
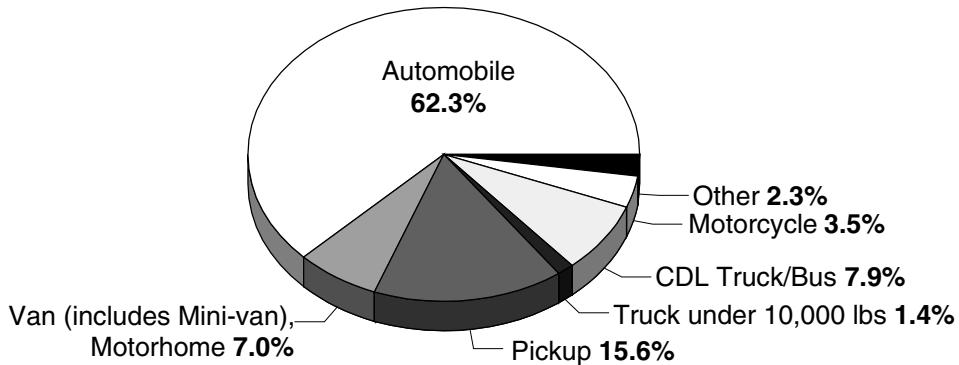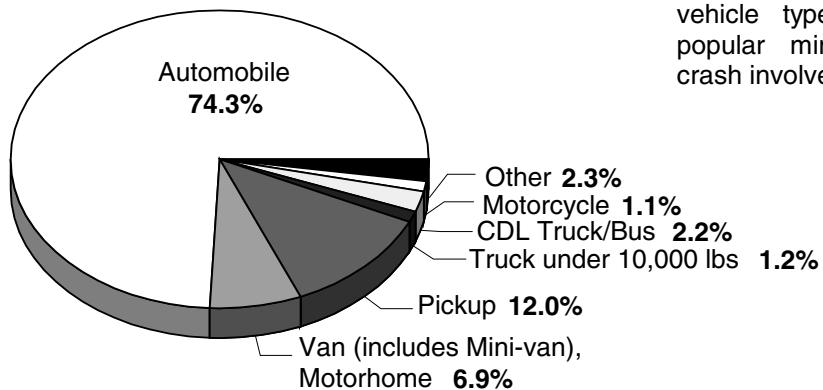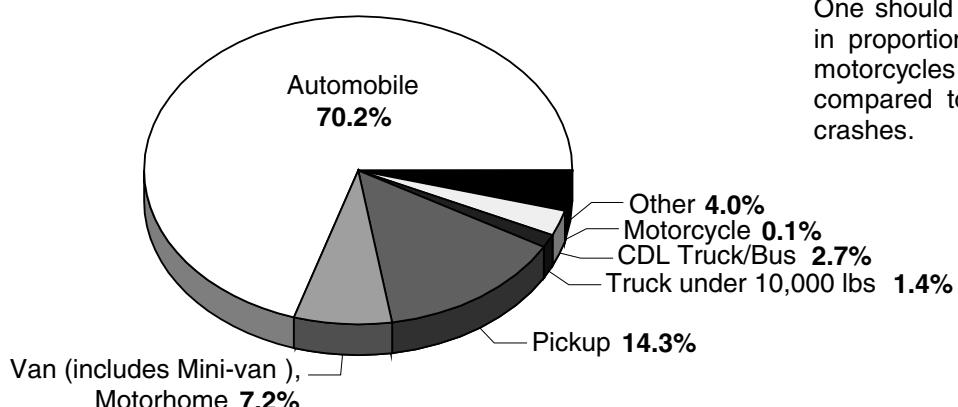
The top chart shows that 4 out of 5 vehicles involved in fatal crashes are automobiles or pickups. Van, Motorhome, the vehicle type that includes the popular mini-van, has a fatal crash involvement of 7.0 percent.

INJURY

Automobile
74.3%

Other **2.3%**
Motorcycle **1.1%**
CDL Truck/Bus **2.2%**
Truck under 10,000 lbs **1.2%**
Pickup **12.0%**
Van (includes Mini-van),
Motorhome **6.9%**

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

Automobile
70.2%

Other **4.0%**
Motorcycle **0.1%**
CDL Truck/Bus **2.7%**
Truck under 10,000 lbs **1.4%**
Pickup **14.3%**
Van (includes Mini-van),
Motorhome **7.2%**

ACTION PRIOR TO CRASH

DRIVER ACTION	All Vehicles		Fatal	Injury			PDO
	Number	% of Total		A	B	C	
Going straight ahead	376,143	51.5	1,684	14,558	26,540	59,172	274,189
Turning left	58,204	8.0	141	2,244	4,794	10,108	40,917
Turning right	21,289	2.9	11	364	942	2,444	17,528
Stopped on roadway	68,604	9.4	63	1,512	3,494	16,914	46,621
In prior crash	1,309	0.2	6	75	140	287	801
Changing lanes	15,897	2.2	34	343	592	1,702	13,226
Backing	18,597	2.5	12	121	235	778	17,451
Slowing/stopping on roadway	53,722	7.3	48	842	2,203	12,015	38,614
Slowing/stopping other	990	0.1	1	28	58	166	737
Starting up on roadway	12,658	1.7	30	400	738	2,451	9,039
Starting up other	546	0.1	0	22	56	92	376
Entering parking	1,102	0.2	2	10	29	102	959
Leaving parking	3,224	0.4	4	60	156	382	2,622
Entering roadway	10,887	1.5	21	326	661	1,687	8,192
Leaving roadway	1,737	0.2	15	147	204	223	1,148
Making U-turn	1,878	0.3	4	89	128	300	1,357
Overtaking or passing	6,961	1.0	39	273	455	800	5,394
Avoiding object	1,914	0.3	8	70	204	286	1,346
Avoiding pedestrian	203	0.0	4	28	39	36	96
Avoiding vehicle (front/back)	5,834	0.8	47	223	480	1,042	4,042
Avoiding vehicle (angle)	2,475	0.3	7	86	216	391	1,775
Driverless moving	600	0.1	1	10	22	36	531
Parked	30,058	4.1	44	522	975	1,410	27,107
Crossing at intersection	72	0.0	0	10	18	11	33
Crossing not at intersection	61	0.0	2	12	10	12	25
Getting on/off vehicle	15	0.0	0	1	1	3	10
In roadway with traffic	15	0.0	0	2	1	3	9
In roadway against traffic	6	0.0	0	0	0	0	6
Standing\lying in roadway	17	0.0	1	3	4	4	5
Pushing/working on vehicle	17	0.0	0	0	2	4	11
Other working in roadway	6	0.0	0	0	1	3	2
Playing in roadway	3	0.0	0	1	0	0	2
In roadway other reason	19	0.0	0	4	3	3	9
Not in roadway	15	0.0	0	3	2	3	7
Other	723	0.1	6	35	63	83	536
Unknown	35,151	4.8	78	880	1,621	4,770	27,802
TOTAL	730,952	100.0	2,313	23,304	45,087	117,723	542,525

ACTION PRIOR TO CRASH (continued)

MOTORCYCLIST - INJURY SEVERITY

MOTORCYCLIST ACTION	All Motorcycles		All Motorcyclists		Fatal	Injury			PDO
	Number	% of Total	Number	% of Total		A	B	C	
Going straight ahead	1,721	64.9	2,006	65.2	70	496	727	387	285
Turning left	144	5.4	159	5.2	0	31	60	34	30
Turning right	81	3.1	93	3.0	1	10	31	20	27
Stopped on roadway	115	4.3	123	4.0	0	10	17	29	64
In prior crash	2	0.1	2	0.1	0	0	0	0	1
Changing lanes	43	1.6	56	1.8	0	14	21	8	10
Backing	6	0.2	6	0.2	2	1	1	1	0
Slowing/stopping on roadway	108	4.1	126	4.1	4	22	35	34	30
Slowing/stopping other	2	0.1	2	0.1	0	0	1	0	1
Starting up on roadway	30	1.1	36	1.2	0	9	8	12	7
Starting up other	5	0.2	6	0.2	0	0	2	0	3
Entering parking	3	0.1	3	0.1	0	0	1	0	1
Leaving parking	6	0.2	6	0.2	0	1	2	2	0
Entering roadway	26	1.0	36	1.2	1	7	11	8	8
Leaving roadway	15	0.6	16	0.5	0	6	5	3	2
Making U-turn	14	0.5	15	0.5	0	4	5	4	2
Overtaking or passing	87	3.3	98	3.2	1	26	41	12	11
Avoiding object	23	0.9	25	0.8	0	3	7	5	9
Avoiding pedestrian	1	0.0	1	0.0	0	0	0	0	1
Avoiding vehicle (front/back)	44	1.7	49	1.6	1	11	19	8	10
Avoiding vehicle (angle)	25	0.9	27	0.9	0	3	8	9	7
Driverless moving	1	0.0	1	0.0	0	0	0	1	0
Parked	41	1.5	41	1.3	0	0	0	0	20
Crossing at intersection	1	0.0	9	0.3	0	1	4	4	0
Crossing not at intersection	1	0.0	4	0.1	1	2	0	0	1
Getting on/off vehicle	0	0.0	1	0.0	0	0	0	0	1
In roadway with traffic	0	0.0	1	0.0	0	1	0	0	0
In roadway against traffic	0	0.0	1	0.0	0	0	0	1	0
Standing/lying in roadway	1	0.0	1	0.0	0	0	1	0	0
Pushing/working on vehicle	1	0.0	1	0.0	0	0	0	0	1
Other working in roadway	0	0.0	0	0.0	0	0	0	0	0
Playing in roadway	0	0.0	0	0.0	0	0	0	0	0
In roadway other reason	0	0.0	3	0.1	0	1	1	1	0
Not in roadway	0	0.0	0	0.0	0	0	0	0	0
Other	7	0.3	10	0.3	0	1	5	2	2
Unknown	97	3.7	111	3.6	1	21	32	13	31
TOTAL	2,651	100.0	3,075*	100.0	82	681	1,045	598	565

* Includes 104 motorcyclists (drivers and passengers) with unknown injury severity

ACTION PRIOR TO CRASH (continued)

BICYCLIST - INJURY SEVERITY

BICYCLIST ACTION	All Bicycles		Fatal	Injury			PDO
	Number	% of Total		A	B	C	
Going straight ahead	1,776	54.8	18	192	635	626	258
Turning left	143	4.4	2	21	52	47	19
Turning right	47	1.5	0	4	20	12	8
Stopped on roadway	28	0.9	0	5	11	7	4
In prior crash	5	0.2	0	1	1	2	0
Changing lanes	58	1.8	1	13	21	14	9
Backing	3	0.1	0	1	1	0	1
Slowing/stopping on roadway	10	0.3	0	1	3	4	2
Slowing/stopping other	4	0.1	0	0	1	3	0
Starting up on roadway	12	0.4	0	2	4	4	2
Starting up other	6	0.2	0	0	6	0	0
Entering parking	3	0.1	0	2	0	1	0
Leaving parking	5	0.2	0	0	1	3	1
Entering roadway	228	7.0	3	36	85	70	30
Leaving roadway	4	0.1	0	1	2	1	0
Making U-turn	9	0.3	0	1	5	1	2
Overtaking or passing	4	0.1	0	1	2	1	0
Avoiding object	0	0.0	0	0	0	0	0
Avoiding pedestrian	0	0.0	0	0	0	0	0
Avoiding vehicle (front/back)	10	0.3	0	1	6	2	1
Avoiding vehicle (angle)	7	0.2	0	1	3	1	2
Driverless moving	0	0.0	0	0	0	0	0
Parked	3	0.1	0	0	0	1	0
Crossing at intersection	311	9.6	0	25	110	113	54
Crossing not at intersection	139	4.3	1	24	47	42	20
Getting on/off vehicle	5	0.2	0	1	2	0	1
In roadway with traffic	41	1.3	0	9	17	11	3
In roadway against traffic	30	0.9	1	5	9	11	4
Standing/lying in roadway	3	0.1	0	1	1	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	17	0.5	0	3	9	2	3
In roadway other reason	24	0.7	0	8	7	6	2
Not in roadway	21	0.6	0	2	8	9	2
Other	67	2.1	0	11	21	25	6
Unknown	216	6.7	2	27	71	68	25
TOTAL	3,239∗	100.0	28	399	1,161	1,088	459

∗ Includes 104 bicyclists with unknown injury severity

ACTION PRIOR TO CRASH (continued)

PEDESTRIAN ACTION	All Pedestrians		Fatal	Injury			PDO
	Number	% of Total		A	B	C	
Going straight ahead	155	3.8	5	29	46	58	15
Turning left	48	1.2	1	9	14	16	3
Turning right	16	0.4	2	3	1	6	1
Stopped on roadway	23	0.6	0	6	5	6	4
In prior crash	10	0.2	1	1	3	3	0
Changing lanes	3	0.1	0	0	2	1	0
Backing	5	0.1	1	1	1	0	2
Slowing/stopping on roadway	1	0.0	0	1	0	0	0
Slowing/stopping other	0	0.0	0	0	0	0	0
Starting up on roadway	1	0.0	0	0	1	0	0
Starting up other	0	0.0	0	0	0	0	0
Entering parking	3	0.1	0	1	2	0	0
Leaving parking	5	0.1	0	2	1	1	0
Entering roadway	37	0.9	0	6	12	14	3
Leaving roadway	6	0.1	1	2	1	0	0
Making U-turn	1	0.0	0	0	1	0	0
Overtaking or passing	0	0.0	0	0	0	0	0
Avoiding object	1	0.0	0	0	0	1	0
Avoiding pedestrian	1	0.0	1	0	0	0	0
Avoiding vehicle (front/back)	4	0.1	1	0	1	0	2
Avoiding vehicle (angle)	1	0.0	0	0	0	1	0
Driverless moving	5	0.1	0	1	2	1	1
Parked	25	0.6	0	1	6	10	6
Crossing at intersection	785	19.3	22	178	231	293	35
Crossing not at intersection	1,200	29.5	64	385	385	287	35
Getting on/off vehicle	74	1.8	1	18	26	23	4
In roadway with traffic	181	4.5	18	50	50	54	5
In roadway against traffic	56	1.4	5	13	15	19	3
Standing\lying in roadway	178	4.4	17	51	37	52	8
Pushing/working on vehicle	66	1.6	4	22	17	19	3
Other working in roadway	43	1.1	0	8	11	17	6
Playing in roadway	85	2.1	0	20	30	26	7
In roadway other reason	231	5.7	15	72	69	62	6
Not in roadway	199	4.9	13	49	60	63	9
Other	119	2.9	1	23	39	42	5
Unknown	496	12.2	17	129	126	139	26
TOTAL	4,064∗	100.0	190	1,081	1,195	1,214	189

∗ Includes 195 pedestrians with unknown injury severity

MOST HARMFUL EVENT

NONCOLLISION	Motor Vehicles		Fatal	Injury			PDO
	Number	% of Total		A	B	C	
Loss of control	7,935	1.1	15	286	584	1,327	5,723
Cross center/median	1,679	0.2	10	67	110	198	1,294
Ran off road left	1,286	0.2	5	57	124	172	928
Ran off road right	1,903	0.3	4	75	150	252	1,422
Re-enter road	383	0.1	2	36	41	63	241
Overturn	8,722	1.2	114	957	1,709	1,844	4,098
Separation of units	6,217	0.9	26	201	405	1,179	4,406
Fire/explosion	1,046	0.1	9	12	39	97	889
Immersion	219	0.0	2	19	17	34	147
Jackknife	452	0.1	0	6	13	44	389
Downhill runaway	99	0.0	0	3	11	18	67
Cargo loss/shift	751	0.1	0	2	22	38	689
Individual fell off	491	0.1	18	138	180	61	94
Other noncollision	2,288	0.3	5	73	147	277	1,786
NONCOLLISION Subtotal	33,471	4.6	210	1,932	3,552	5,604	22,173

HAD A COLLISION WITH NONFIXED OBJECT	Motor Vehicles		Fatal	Injury			PDO
	Number	% of Total		A	B	C	
Pedestrian	3,090	0.4	173	832	915	869	301
Pedalcycle	2,865	0.4	26	348	1,000	908	583
Motor vehicle in transport	476,849	65.2	1,404	14,754	29,127	89,365	342,199
Parked motor vehicle	20,428	2.8	23	315	619	1,055	18,416
Railway train	166	0.0	5	32	17	20	92
Animal	56,782	7.8	3	76	351	810	55,542
Other nonfixed objects	5,308	0.7	9	82	198	389	4,630
COLLISION NONFIXED Subtotal	565,488	77.4	1,643	16,439	32,227	93,416	421,763

MOST HARMFUL EVENT (continued)

HAD A COLLISION WITH FIXED OBJECT	Motor Vehicles		Fatal	Injury			PDO
	Number	% of Total		A	B	C	
Bridge/pier/abutment	773	0.1	11	44	78	116	524
Bridge parapet end	443	0.1	0	5	15	16	407
Bridge rail	491	0.1	1	18	39	90	343
Guardrail face	3,097	0.4	6	89	200	394	2,408
Guardrail end	568	0.1	4	43	82	90	349
Median barrier	2,667	0.4	7	127	311	604	1,618
Highway traffic sign post	2,773	0.4	2	31	69	156	2,515
Signal post	332	0.0	2	6	20	24	280
Luminaire/light support	689	0.1	3	36	86	67	497
Utility pole	4,378	0.6	36	347	695	683	2,617
Other pole	1,186	0.2	4	42	93	119	928
Culvert	769	0.1	7	75	109	134	444
Curb	1,982	0.3	1	33	94	153	1,701
Ditch	6,829	0.9	16	287	796	1,005	4,725
Embankment	1,902	0.3	16	126	241	295	1,224
Fence	1,665	0.2	4	29	68	121	1,443
Mailbox	2,489	0.3	1	24	47	114	2,303
Tree	11,696	1.6	190	1,070	1,791	1,759	6,886
Rail crossing signal	105	0.0	0	4	5	4	92
Building	1,047	0.1	8	81	143	131	684
Traffic island	61	0.0	0	1	7	5	48
Fire hydrant	580	0.1	1	25	50	58	446
Impact attenuator	48	0.0	3	4	6	6	29
Other fixed object	3,318	0.5	8	133	276	347	2,554
COLLISION FIXED Subtotal	49,888	6.8	331	2,680	5,321	6,491	35,065

	Motor Vehicles		Fatal	Injury			PDO
	Number	% of Total		A	B	C	
Unknown Event	82,105	11.2	129	2,253	3,987	12,212	63,524
TOTAL MOST HARMFUL EVENT	730,952	100.0	2,313	23,304	45,087	117,723	542,525

VEHICLE DEFECTS IN CRASH INVOLVEMENT

VEHICLE DEFECTS	Motor Vehicles		Fatal	Injury			PDO
	Number	% of Total		A	B	C	
Brakes	2,377	0.3	10	110	196	442	1,619
Lights/reflectors	531	0.1	4	21	30	79	397
Steering	332	0.0	1	13	45	65	208
Tires/wheels	840	0.1	12	39	73	110	606
Windows	418	0.1	3	18	27	75	295
Other	1,671	0.2	5	66	123	258	1,219
Unknown/None	724,783	99.2	2,278	23,037	44,593	116,694	538,181
TOTAL	730,952	100.0	2,313	23,304	45,087	117,723	542,525

DRIVER HAZARDOUS ACTION

HAZARDOUS ACTION	All Vehicles		Fatal	Injury			PDO
	Number	% of Total		A	B	C	
None	366,180	50.1	954	10,286	20,059	57,165	277,716
Speed too fast	44,535	6.1	365	2,537	4,614	7,081	29,938
Speed too slow	1,488	0.2	4	56	113	319	996
Failed to yield	65,261	8.9	187	2,658	5,622	11,951	44,843
Disregard traffic control	18,096	2.5	132	1,262	2,186	4,279	10,237
Drove wrong way	609	0.1	15	46	58	109	381
Drove left of center	5,072	0.7	135	544	599	694	3,100
Improper passing	5,404	0.7	15	121	240	535	4,493
Improper lane use	15,489	2.1	19	244	505	1,381	13,340
Improper turn	10,243	1.4	17	270	513	1,380	8,063
Improper/no signal	1,089	0.1	0	24	37	105	923
Improper backing	13,841	1.9	1	49	109	419	13,263
Unable to stop in assured clear distance	92,968	12.7	76	1,789	4,361	21,212	65,530
Other	38,409	5.3	185	2,042	3,704	5,325	27,153
Unknown	52,268	7.2	208	1,376	2,367	5,768	42,549
TOTAL	730,952	100.0	2,313	23,304	45,087	117,723	542,525

MICHIGAN BICYCLE CRASHES

1995 Bicycle Crash Information

	Under 1 year old	1-3 yrs	4-10 yrs	11-15 yrs	16-20 yrs	21-24 yrs	25-34 yrs	35-44 yrs	45-54 yrs	55-64 yrs	65-74 yrs	75 & over	Not Stated
Killed	0	0	6	7	2	3	3	3	0	2	1	0	1
Injured	1	6	516	877	322	170	241	223	97	45	23	23	104
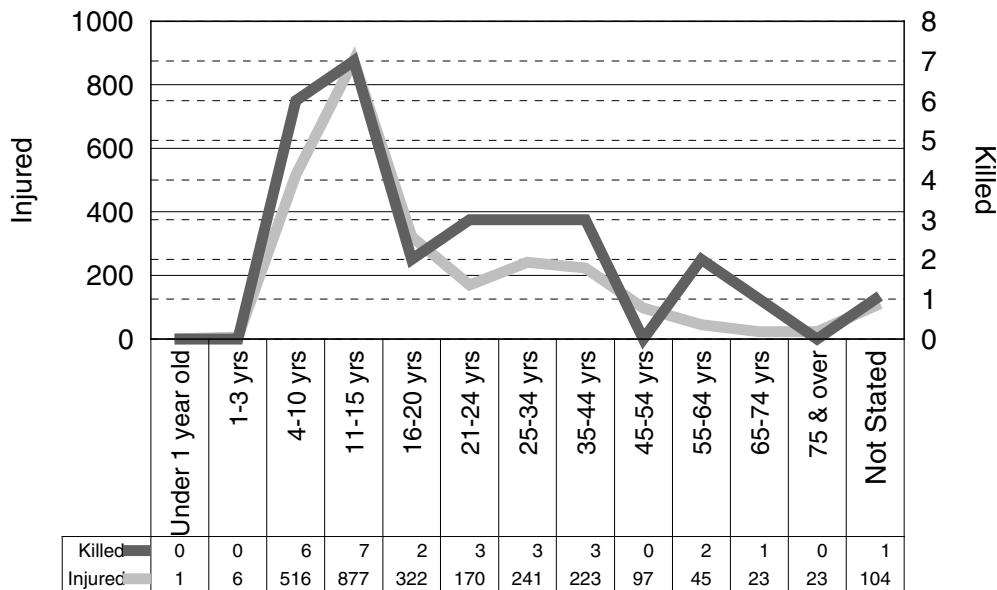
In 1995, there were 3,239 bicyclists involved in motor vehicles crashes, with 28 bicyclists killed and 2,648 injured. The number of bicyclists killed represents a -3.4 percent change from 1994.

Children under 16 years of age accounted for 13 (46.4%) of the bicycle deaths in 1995.

BICYCLE HELMET USE AND INJURY SEVERITY

HELMET USE	Fatality	Injury			No Injury
		A	B	C	
Worn	1	10	44	36	13
Not Worn	11	96	275	229	105
Unknown	16	293	842	823	341
TOTALS	28	399	1,161	1,088	459

The National Center for Statistics and Analysis of the National Highway Traffic Safety Administration cites a study by the Centers for Disease Control [11] 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

1995 Pedestrian Crash Information

	Under 1 year old	1-3 yrs	4-10 yrs	11-15 yrs	16-20 yrs	21-24 yrs	25-34 yrs	35-44 yrs	45-54 yrs	55-64 yrs	65-74 yrs	75 & over	Not Stated
Killed	1	3	14	10	10	15	27	42	19	15	15	12	7
Injured	6	112	593	550	345	208	437	444	244	112	111	92	236
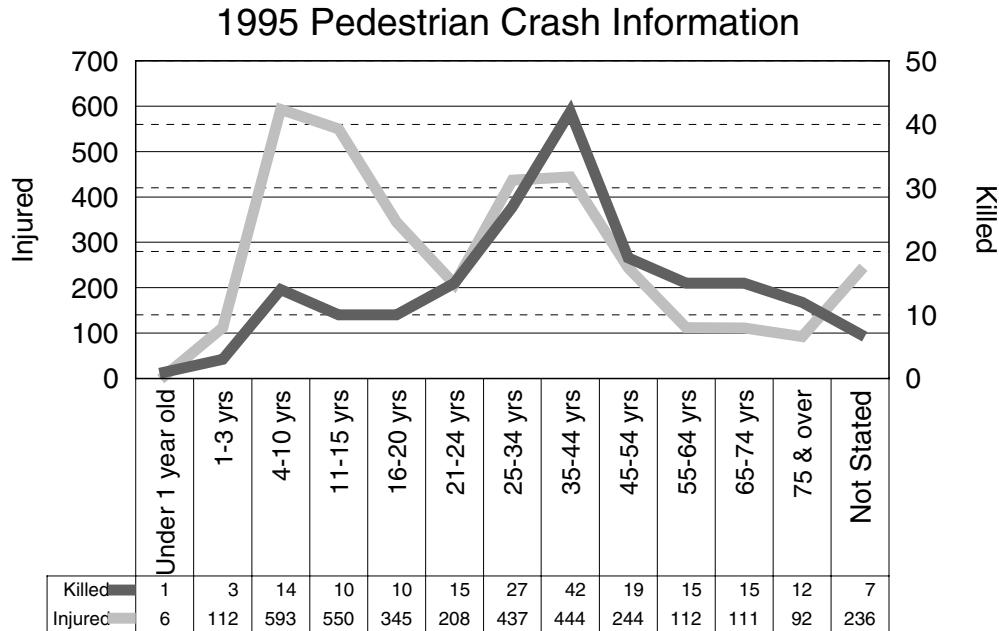
In 1995, there were 4,064 pedestrians involved in motor vehicles crashes, with 190 pedestrians killed and 3,490 injured. The number killed represents a 4.4 percent increase in fatalities from 1994.

Children under 16 years of age accounted for 28 (14.7%) of the pedestrian deaths in 1995. Adults over the age of 54 accounted for 49 (25.8%) of the pedestrian deaths in 1995.
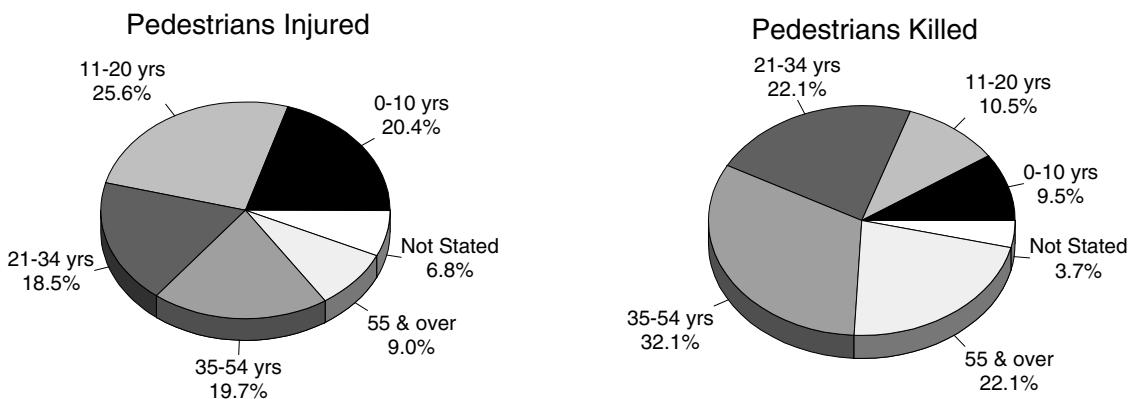
Pedestrians Injured

- 11-20 yrs 25.6%
- 0-10 yrs 20.4%
- Not Stated 6.8%
- 55 & over 9.0%
- 35-54 yrs 19.7%
- 21-34 yrs 18.5%

Pedestrians Killed

- 21-34 yrs 22.1%
- 11-20 yrs 10.5%
- 0-10 yrs 9.5%
- Not Stated 3.7%
- 55 & over 22.1%
- 35-54 yrs 32.1%

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	14	2.0	0	3	3	4	4
Cross center/median	2	0.3	0	0	0	0	2
Ran off road left	4	0.6	0	1	3	0	0
Ran off road right	1	0.1	0	0	0	0	1
Re-enter road	1	0.1	0	0	0	1	0
Overturn	55	7.9	0	21	19	12	3
Separation of units	5	0.7	0	0	0	2	3
Fire/explosion	0	0.0	0	0	0	0	0
Immersion	5	0.7	0	0	0	3	2
Jackknife	2	0.3	0	0	0	0	2
Downhill runaway	0	0.0	0	0	0	0	0
Cargo loss/shift	1	0.1	0	0	0	0	1
Individual fell off	35	5.0	0	13	13	9	0
Other noncollision	10	1.4	1	3	2	2	2
NONCOLLISION Subtotal	135	19.3	1	41	40	33	20

MOST SEVERE OUTCOME IN CRASH

HAD A COLLISION WITH NONFIXED OBJECT	Snowmobiles		Fatal	Injury			PDO
	Number	% of Total		A	B	C	
Pedestrian	2	0.3	0	0	2	0	0
Pedalcycle	0	0.0	0	0	0	0	0
Motor vehicle in transport	221	31.6	3	59	28	33	98
Parked motor vehicle	25	3.6	0	6	1	4	14
Railway train	1	0.1	0	1	0	0	0
Animal	33	4.7	0	1	1	7	24
Other nonfixed objects	9	1.3	0	0	2	1	6
COLLISION NONFIXED Subtotal	291	41.6	3	67	34	45	142

1995 Michigan Traffic Crash Facts

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	0.1	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	0.1	0	0	0	1	0
Guardrail end	0	0.0	0	0	0	0	0
Median barrier	0	0.0	0	0	0	0	0
Highway traffic sign post	4	0.6	0	1	1	0	2
Signal post	0	0.0	0	0	0	0	0
Luminaire/light support	0	0.0	0	0	0	0	0
Utility pole	8	1.1	0	2	0	1	5
Other pole	6	0.9	0	2	1	0	3
Culvert	6	0.9	0	2	2	0	2
Curb	1	0.1	0	0	1	0	0
Ditch	7	1.0	0	1	3	2	1
Embankment	13	1.9	0	6	4	0	3
Fence	6	0.9	0	1	2	1	2
Mailbox	4	0.6	1	0	1	0	2
Tree	104	14.9	10	44	18	16	16
Rail crossing signal	0	0.0	0	0	0	0	0
Building	5	0.7	0	0	2	1	2
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	38	5.4	0	11	16	6	5
COLLISION FIXED Subtotal	204	29.1	11	71	51	28	43
Unknown Event	70	10.0	1	15	8	13	33
TOTAL MOST HARMFUL EVENT	700	100.0	16	194	133	119	238

A total of 700 snowmobiles were reported in crashes on Michigan roadways during 1995. Of these snowmobiles, 16 were involved in fatal crashes with all 16 of their drivers killed.

MICHIGAN ORV/ATV ON ROADWAY CRASHES

Most Harmful Event

MOST SEVERE OUTCOME IN CRASH

NONCOLLISION	ORV/ATV Number	% of Total	Fatal	Injury A	Injury B	Injury C	PDO
Loss of control	9	3.8	0	1	5	0	3
Ran off road left	2	0.9	0	1	0	1	0
Ran off road right	1	0.4	0	0	0	0	1
Overturn	45	19.1	0	16	19	8	2
Separation of units	2	0.9	0	0	0	0	2
Fire/explosion	1	0.4	0	0	0	1	0
Jackknife	1	0.4	0	0	1	0	0
Individual fell off	17	7.2	0	8	8	0	1
Other noncollision	1	0.4	0	1	0	0	0
NONCOLLISION Subtotal	79	33.6	0	27	33	10	9
HAD A COLLISION WITH NONFIXED OBJECT							
Pedalcycle	2	0.9	0	0	2	0	0
Motor vehicle in transport	69	29.4	2	17	16	10	24
Parked motor vehicle	6	2.6	0	1	1	1	3
Railway train	1	0.4	0	0	0	0	1
Animal	4	1.7	0	1	1	1	1
Other nonfixed objects	5	2.1	0	1	2	1	1
COLLISION NONFIXED Subtotal	87	37.0	2	20	22	13	30
HAD A COLLISION WITH FIXED OBJECT							
Utility pole	3	1.3	0	1	0	1	1
Other pole	2	0.9	0	1	0	0	1
Culvert	2	0.9	0	1	0	1	0
Ditch	10	4.3	0	3	3	4	0
Embankment	3	1.3	0	1	1	1	0
Mailbox	3	1.3	0	1	0	1	1
Tree	23	9.8	0	8	12	2	1
Other fixed object	7	3.0	0	1	4	1	1
COLLISION FIXED Subtotal	53	22.6	0	17	20	11	5
Unknown Event	16	6.8	0	2	2	5	7
TOTAL MOST HARMFUL EVENT	235	100.0	2	66	77	39	51

A total of 235 Off Road Vehicles/All Terrain Vehicles were reported in crashes on Michigan roadways during 1995. Of these ORV/ATVs, 2 were involved in fatal crashes and both of their operators were killed.

MICHIGAN SNOWMOBILE ON ROADWAY CRASHES

| Driver Hazardous Action | All Snowmobiles | | Fatal | Injury | | | PDO |
	Number	% of Total		A	B	C	
None	194	27.7	0	46	30	35	83
Speed too fast	195	27.9	13	75	52	31	24
Speed too slow	1	0.1	0	0	0	0	1
Failed to yield	47	6.7	1	8	6	11	21
Disregard traffic control	3	0.4	0	1	1	0	1
Drove wrong way	4	0.6	0	0	0	2	2
Drove left of center	2	0.3	0	1	0	0	1
Improper passing	1	0.1	0	0	0	1	0
Improper lane use	9	1.3	2	4	0	0	3
Improper turn	8	1.1	0	0	1	1	6
Improper/no signal	0	0.0	0	0	0	0	0
Improper backing	2	0.3	0	0	0	0	2
Unable to stop in assured clear distance	72	10.3	0	22	15	10	25
Other	94	13.4	0	18	15	19	42
Unknown	68	9.7	0	19	13	9	27
TOTAL	700	100.0	16	194	133	119	238

MICHIGAN ORV/ATV ON ROADWAY CRASHES

| Driver Hazardous Action | All ORV/ATVs | | Fatal | Injury | | | PDO |
	Number	% of Total		A	B	C	
None	44	18.7	0	8	15	12	9
Speed too fast	55	23.4	2	22	21	6	4
Speed too slow	1	0.4	0	0	1	0	0
Failed to yield	25	10.6	0	6	5	5	9
Disregard traffic control	2	0.9	0	2	0	0	0
Drove wrong way	4	1.7	0	0	1	1	2
Drove left of center	4	1.7	0	1	1	0	2
Improper passing	1	0.4	0	0	0	1	0
Improper lane use	4	1.7	0	2	1	0	1
Improper turn	2	0.9	0	0	1	0	1
Improper/no signal	0	0.0	0	0	0	0	0
Improper backing	2	0.9	0	0	0	0	2
Unable to stop in assured clear distance	13	5.5	0	7	1	4	1
Other	58	24.7	0	16	24	6	12
Unknown	20	8.5	0	2	6	4	8
TOTAL	235	100.0	2	66	77	39	51

MICHIGAN FARM EQUIPMENT CRASHES

A total of 292 crashes involving farm equipment were reported on Michigan roadways during 1995. Of these crashes, 5 were fatal crashes with 1 driver of the farm equipment killed.

MICHIGAN VEHICLE - TRAIN CRASHES

According to Michigan Department of Transportation figures, a total of 121 crashes involving trains were reported in Michigan during 1995. The National Highway Traffic Safety Administration's 1995 Fatal Accident Reporting System [12] reported 5 fatal train crashes in Michigan, and 5 persons killed as a result of those collisions.

MOTORCYCLE AND MOTOR SCOOTER DATA

MOTORCYCLE & MOTOR SCOOTER DATA	1994	1995	% Change
Registrations	124,896.0	126,957.0	1.7
Crashes	2,982.0	2,651.0	-11.1
Deaths	67.0	82.0	22.4
Persons Injured	2,598.0	2,324.0	-10.5
Death Rate based on 10,000 cycle registrations	5.4	6.5	20.4
Estimated Mileage based on 3,000 miles per cycle	374,688,000.0	380,871,000.0	1.7
Death Rate based on deaths per 100 million vehicle miles traveled	17.9	21.5	20.1

Motorcycles were involved in 0.63 percent of all traffic crashes in Michigan in 1995. Injuries were proportionately more severe to motorcyclists than to persons in motor vehicles. The 1995 death rate for motorcyclists was 21.5 per 100 million vehicle miles traveled compared to the overall 1.8 mileage death rate per 100 million vehicle miles traveled.

DRIVER GENDER INFORMATION - ALL CRASHES

Unknown 10%
74,370

Male 54%
392,103

Female 36%
262,577

Crash Severity

Male

Injury 25.49%
99,951

Fatal 0.40%
1,566

Property Damage 74.11%
290,586

Female

Injury 28.54%
74,944

Fatal 0.24%
640

Property Damage 71.21%
186,993
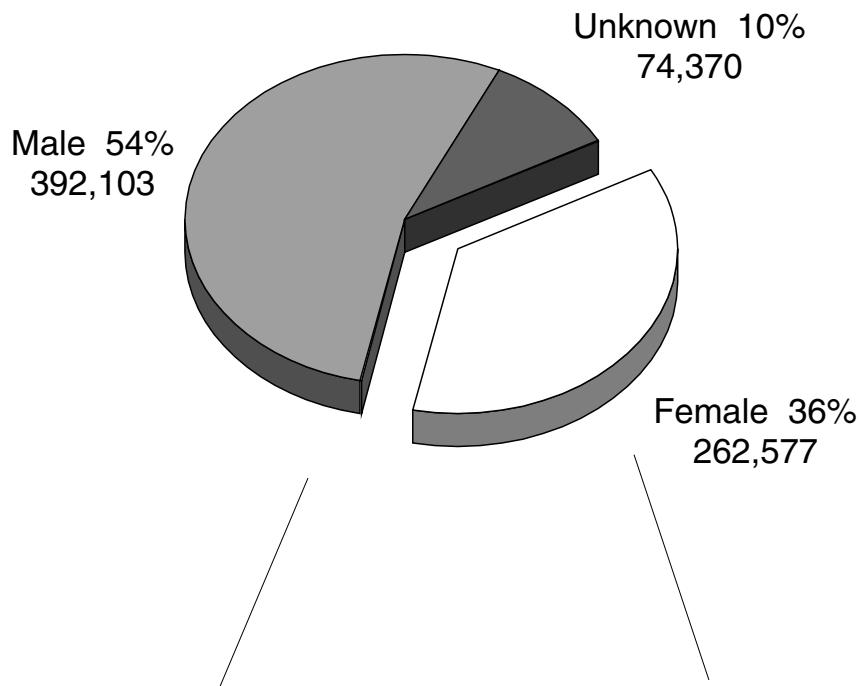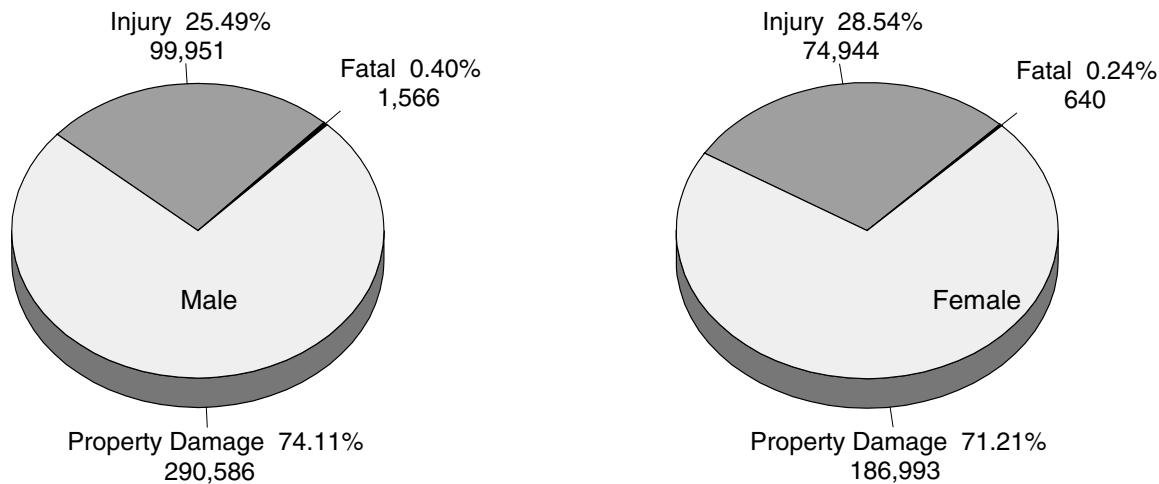
A higher proportion of crashes involved male drivers than female drivers. When we examine the severity of crashes involving drivers of each gender, we see that fatal crashes are more prevalent among male drivers than female drivers (0.4% vs. 0.24%).

This 1995 chart was processed with numbers for all drivers (vehicle level).

DRIVER AGE

AGE OF DRIVERS IN FATAL CRASHES	1994	1995	% Change	% 1995 Fatal Crash Involvement	Percent Driving Population*
15 years and under	13	10	-23.1	0.4	1.9
16 - 20 years	307	314	2.3	13.6	8.3
21 - 24 years	222	220	-0.9	9.5	8.3
25 - 34 years	431	466	8.1	20.2	22.5
35 - 44 years	369	442	19.8	19.1	21.6
45 - 54 years	207	260	25.6	11.3	15.2
55 - 64 years	110	146	32.7	6.3	9.7
65 - 74 years	112	121	8.0	5.2	8.0
75 years and over	105	129	22.9	5.6	4.6
Not Stated	170	203	19.4	8.8	---
TOTALS	2,046	2,311	13.0	100.0	100.0

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

Driver Age in Fatal Crashes
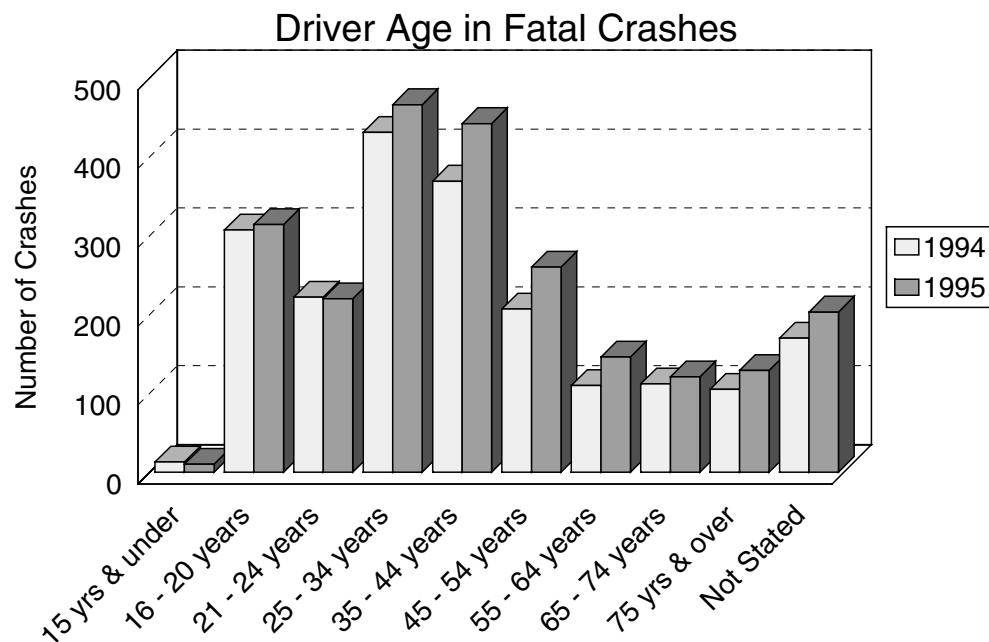
1995
1995
1995
1995
1995
1995
1995
1995

**Occupant/
Person**

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

Occupants Killed

	Under 1 yr old	1-3 yrs	4-10 yrs	11-15 yrs	16-20 yrs	21-24 yrs	25-34 yrs	35-44 yrs	45-54 yrs	55-64 yrs	65-74 yrs	75 yrs & older	Not Stated
Females killed ■	2	8	13	19	81	27	71	61	43	36	45	71	13
Males killed ☐	3	12	15	15	121	104	151	136	77	46	55	69	20
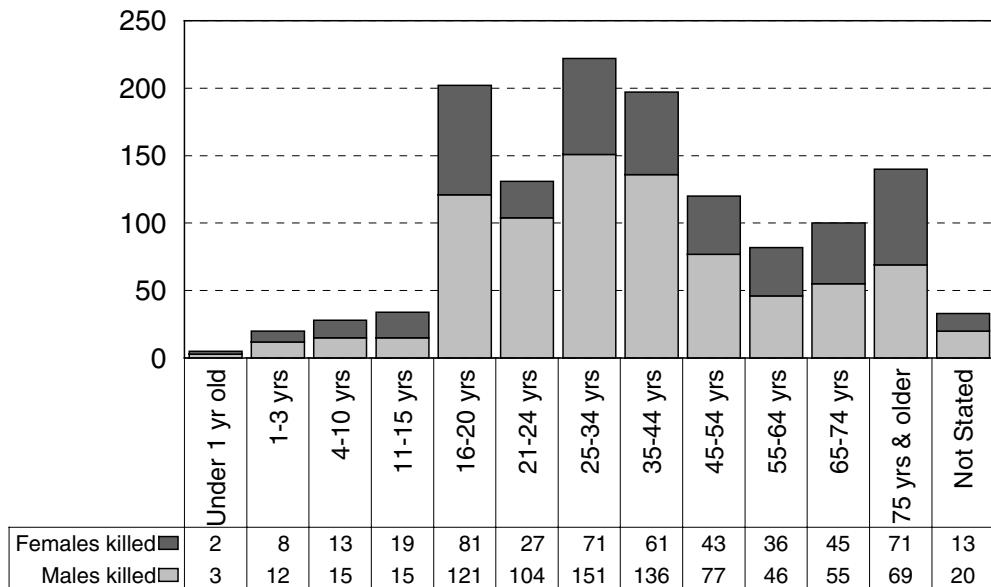
The majority (62.7%) of occupants killed in traffic crashes in 1995 were male.

Occupants Injured

	Under 1 yr old	1-3 yrs	4-10 yrs	11-15 yrs	16-20 yrs	21-24 yrs	25-34 yrs	35-44 yrs	45-54 yrs	55-64 yrs	65-74 yrs	75 yrs & older	Not Stated
Females injured ■	181	612	2,170	2,966	12,128	7,002	14,520	12,127	7,863	4,242	3,287	2,160	2,542
Males injured ☐	203	771	2,364	2,546	11,721	7,113	13,760	10,661	6,542	3,600	2,600	1,734	3,299
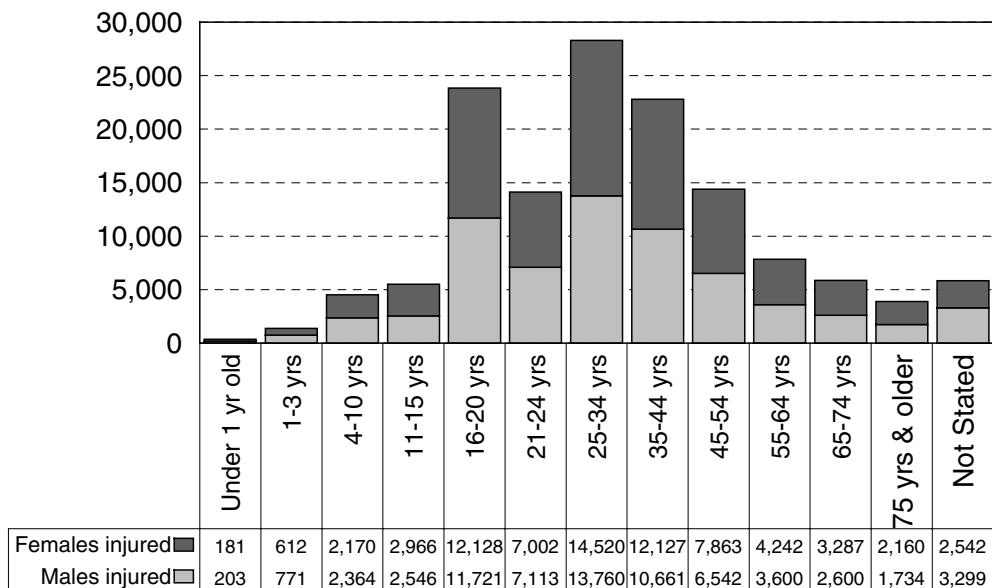
The majority (51.8%) of occupants injured in traffic crashes in 1995 were female.

REPORTED OCCUPANT RESTRAINT USAGE
FOR ALL DRIVERS AND INJURED PASSENGERS

Restraints Used 79%
596,413

Restraints Not Used 21%
153,911

Crash Severity

Injury
17.63%

Fatality
0.07%

Restraints Used

No Injury
82.29%

Injury
33.11%

Fatality
0.80%

Restraints Not Used

No Injury
66.09%
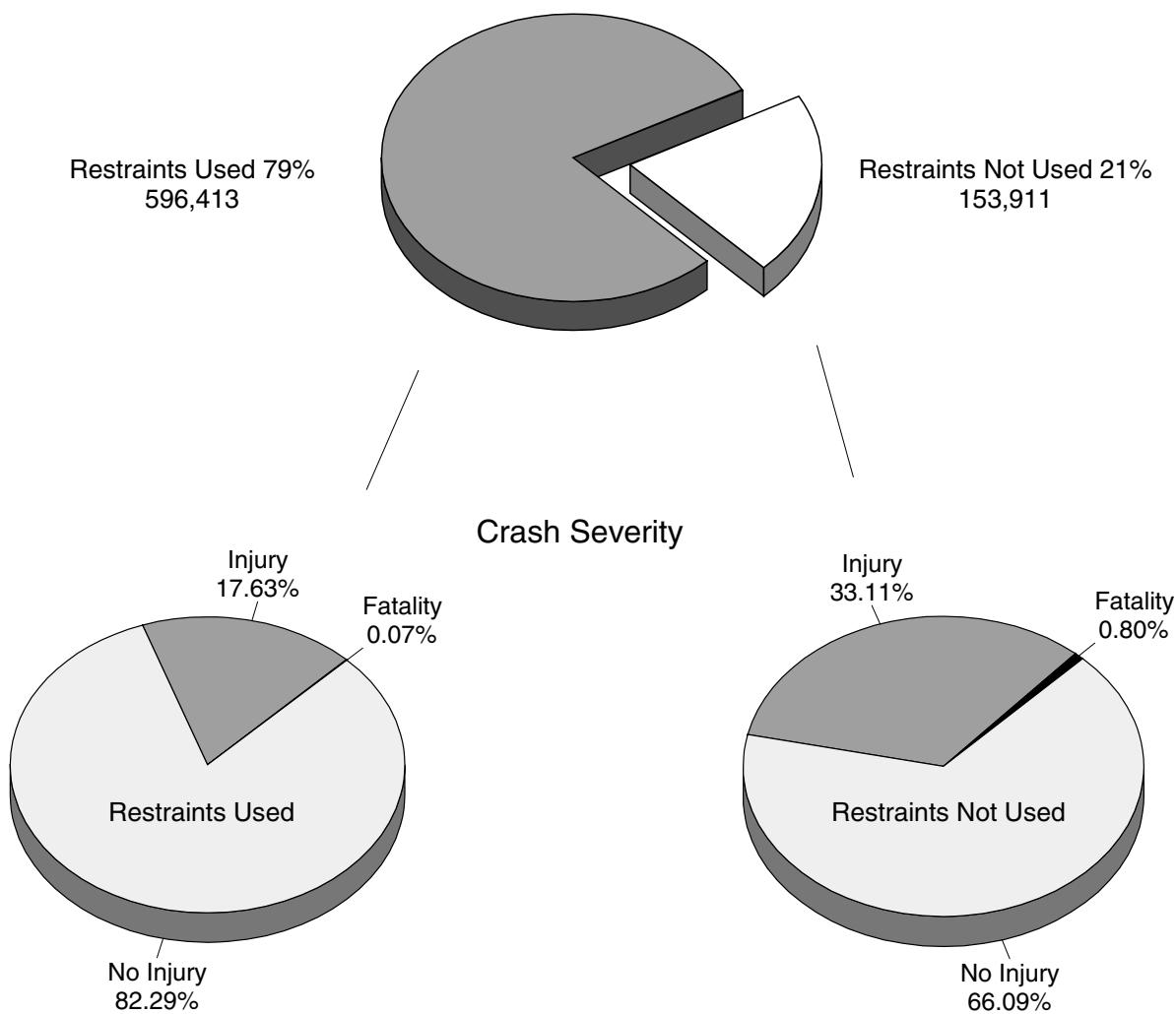
Restraint use by motorists is measured two ways: by what motorists REPORT to police at the scene of a traffic crash (reported usage), and by DIRECT OBSERVATION studies where motorists are totally unaware of the presence of researchers (observed usage). As expected, reported usage is routinely much higher than observed usage.

Of the 750,324 drivers and injured passengers involved in crashes, 596,413 (79%) were REPORTED to be using occupant restraints.

However, a DIRECT OBSERVATION study by the University of Michigan Transportation Research Institute [14] estimated 66.8 percent of motorists overall used safety belts in 1995.

Occupants in crashes were over ten times more likely to be killed if they were not wearing their restraints.
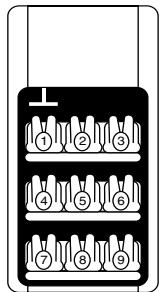
MOTOR VEHICLE OCCUPANTS & INJURY SEVERITY
BY
SEATING POSITION AND KNOWN BELT USAGE

Seating Position	Belts Used* Number	% of Total	Fatal	Injury A	B	C	PDO
Left Front	562,110	95.4	311	6,279	15,181	55,310	485,029
Center Front	783	0.1	1	63	190	506	23
Right Front	19,963	3.4	96	1,775	3,996	13,828	268
Left Rear	2,173	0.4	8	153	516	1,376	120
Center Rear	580	0.1	1	45	157	369	8
Right Rear	2,449	0.4	10	188	555	1,692	4
Left Rear Third Seat	321	0.1	0	29	89	192	11
Center Rear Third Seat	114	0.0	0	8	32	71	3
Right Rear Third Seat	331	0.1	0	34	77	207	13
Unknown	173	0.0	1	1	15	56	100
TOTAL	588,997	100.0	428	8,575	20,808	73,607	485,579

✴ Lap belt, shoulder belt or a combination of lap and shoulder belts used. Children who were coded as using or not using a child restraint appear in a separate table on page 100.

Seating Position	Belts Not Used* Number	% of Total	Fatal	Injury A	B	C	PDO
Left Front	29,902	73.8	418	3,102	4,828	4,794	16,760
Center Front	460	1.1	7	95	167	169	22
Right Front	5,469	13.5	120	1,159	2,033	2,086	71
Left Rear	1,581	3.9	12	208	390	616	355
Center Rear	547	1.3	10	108	168	252	9
Right Rear	1,407	3.5	28	227	446	704	2
Left Rear Third Seat	186	0.5	3	29	56	97	1
Center Rear Third Seat	108	0.3	0	29	33	42	4
Right Rear Third Seat	214	0.5	3	36	65	104	6
Unknown	650	1.6	23	130	154	260	83
TOTAL	40,524	100.0	624	5,123	8,340	9,124	17,313

✴ No belts available or no belts used. Children who were coded as using or not using a child restraint appear in a separate table on page 100.
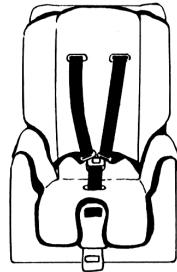
REPORTED CHILD RESTRAINT USE

Seating Position	Child Restraint Used		Fatal	Injury			PDO
	Number	% of Total		A	B	C	
Left Front	89	8.4	0	4	4	21	57
Center Front	34	3.2	0	1	9	24	0
Right Front	223	21.1	3	19	50	150	1
Left Rear	222	21.0	3	10	62	146	1
Center Rear	156	14.7	2	8	35	111	0
Right Rear	264	24.9	3	17	61	182	1
Left Rear Third Seat	21	2.0	0	3	6	12	0
Center Rear Third Seat	14	1.3	0	3	3	8	0
Right Rear Third Seat	31	2.9	0	2	10	19	0
Unknown	5	0.5	2	1	0	1	1
TOTAL	1,059*	100.0	13	68	240	674	61

＊ Includes 3 children with unknown injury severity

Seating Position	Child Restraint Not Used		Fatal	Injury			PDO
	Number	% of Total		A	B	C	
Left Front	102	33.4	0	1	8	8	83
Center Front	12	3.9	1	1	5	5	0
Right Front	83	27.2	4	14	37	28	0
Left Rear	37	12.1	0	5	11	20	1
Center Rear	14	4.6	0	5	5	4	0
Right Rear	21	6.9	0	4	7	10	0
Left Rear Third Seat	6	2.0	0	2	1	3	0
Center Rear Third Seat	4	1.3	0	2	2	0	0
Right Rear Third Seat	2	0.7	0	0	2	0	0
Unknown	24	7.9	1	5	4	14	0
TOTAL	305*	100.0	6	39	82	92	84

＊ Includes 2 children with unknown injury severity

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

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

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

Motorcyclists Killed

	Under 1 yr old	1-3 yrs	4-10 yrs	11-15 yrs	16-20 yrs	21-24 yrs	25-34 yrs	35-44 yrs	45-54 yrs	55-64 yrs	65-74 yrs	75 yrs & older	Not Stated
Females killed	0	0	0	0	0	2	3	2	0	0	0	0	1
Males killed	0	0	0	1	8	21	14	12	12	3	1	0	0
Unknown killed	0	0	0	0	0	1	0	0	1	0	0	0	0
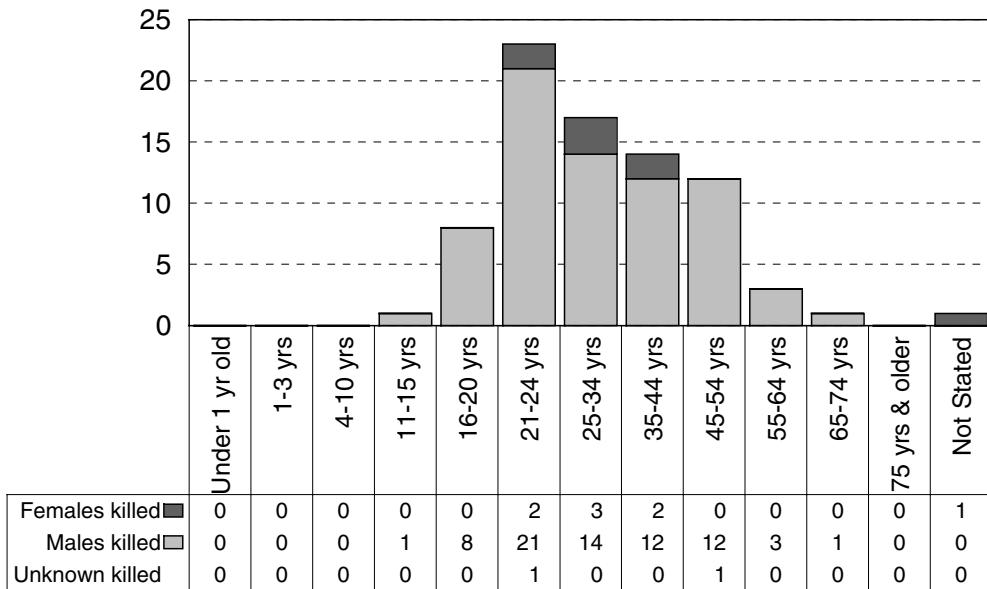
87.8 percent of the motorcyclists killed in traffic crashes in 1995 were male.
In comparison, 63.8 percent of all persons killed in crashes were male.

Motorcyclists Injured

	Under 1 yr old	1-3 yrs	4-10 yrs	11-15 yrs	16-20 yrs	21-24 yrs	25-34 yrs	35-44 yrs	45-54 yrs	55-64 yrs	65-74 yrs	75 yrs & older	Not Stated
Females injured	0	0	8	19	32	27	71	69	40	3	4	1	10
Males injured	0	1	21	75	308	311	509	389	216	46	13	4	75
Unknown injured	0	1	1	4	10	10	19	12	6	2	1	1	5
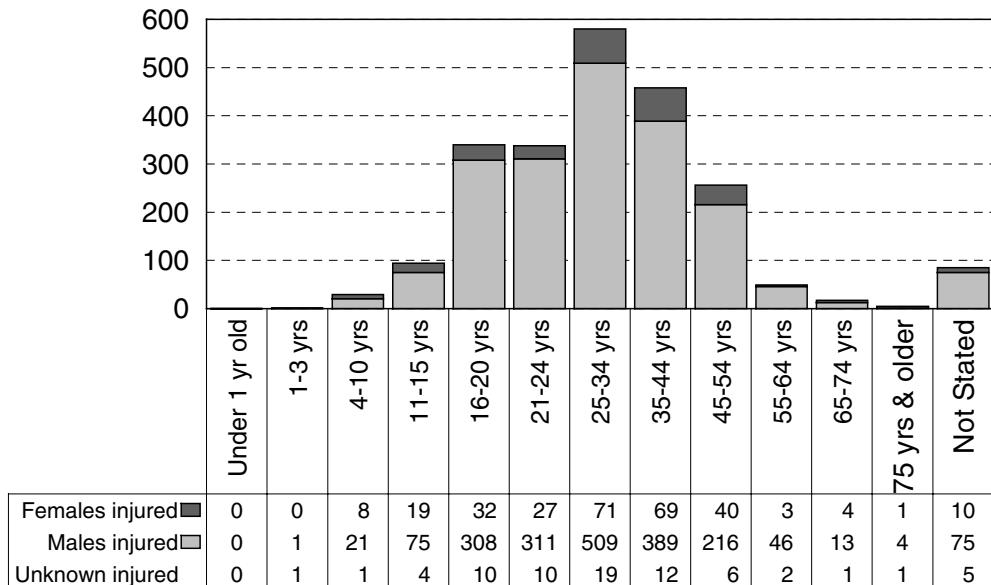
84.6 percent of the motorcyclists injured in traffic crashes in 1995 were male.
In comparison, 49.1 percent of all persons injured in crashes were male.

MOTORCYCLE HELMET USE AND INJURY SEVERITY

Helmet Worn	Fatality	Injury			No
Age of Motorcyclist		A	B	C	Injury
3 years and under	0	0	1	0	0
4 - 10 years	0	3	3	1	0
11 - 15 years	0	10	13	4	4
16 - 20 years	6	49	101	51	58
21 - 24 years	18	53	104	54	49
25 - 34 years	11	128	160	93	83
35 - 44 years	11	111	127	57	59
45 - 54 years	10	53	78	43	51
55 - 64 years	3	10	14	11	4
65 - 74 years	1	4	5	4	2
75 years and over	0	0	2	0	1
Not Stated	0	1	3	4	2
Subtotal	60	422	611	322	313

Drivers killed   54
Passengers killed   6

Helmet Not Worn	Fatality	Injury			No
Age of Motorcyclist		A	B	C	Injury
3 years and under	0	0	0	0	0
4 - 10 years	0	2	5	3	0
11 - 15 years	0	5	9	6	1
16 - 20 years	1	9	5	5	0
21 - 24 years	2	2	6	6	2
25 - 34 years	0	3	6	4	1
35 - 44 years	0	6	11	0	0
45 - 54 years	0	3	1	0	0
55 - 64 years	0	0	0	1	0
65 - 74 years	0	0	0	0	0
75 years and over	0	1	0	0	0
Not Stated	0	0	0	3	1
Subtotal	3	31	43	28	5

Drivers killed   2
Passengers killed   1

Helmet Use Unknown	Fatality	Injury			No
Age of Motorcyclist		A	B	C	Injury
3 years and under	0	1	0	0	0
4 - 10 years	0	4	6	3	1
11 - 15 years	1	9	20	22	5
16 - 20 years	1	34	67	29	23
21 - 24 years	4	20	69	34	28
25 - 34 years	6	62	81	62	63
35 - 44 years	3	43	69	46	46
45 - 54 years	3	25	33	26	23
55 - 64 years	0	4	8	3	10
65 - 74 years	0	1	2	2	4
75 years and over	0	2	1	0	1
Not Stated	1	23	35	21	43
Subtotal	19	228	391	248	247
TOTAL HELMET USE	82	681	1,045	598	565

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	967	12,141	24,821	71,831	109,760	78.4
Van and Motorhome	61	1,009	2,102	5,933	9,105	6.5
Pickup	152	1,789	3,897	8,217	14,055	10.0
Small Truck (under 10,000 lbs.)	13	180	355	948	1,496	1.1
Cycle	80	650	988	544	2,262	1.6
Moped	3	54	131	83	271	0.2
Go Cart	0	3	3	4	10	0.0
Snowmobile	16	167	126	125	434	0.3
Off Road Vehicle	2	63	82	49	196	0.1
Other	3	48	69	94	214	0.2
Uncoded	5	99	196	588	888	0.6
CDL Truck/Bus (breakdown below)	12	152	300	873	1,337	1.0
TOTAL	1,314	16,355	33,070	89,289	140,028	100.0

CDL Truck/Bus Sub-category Types	Killed	A Injured	B Injured	C Injured	Total KABC	% of All Crash Involved KABC Occupants
Uncoded Truck	1	10	25	69	105	7.9
Commercial Vehicle: Group A	5	61	143	306	515	38.5
Commercial Vehicle: Group B	0	38	71	308	417	31.2
Commercial Vehicle: Group C	0	2	14	54	70	5.2
Other Truck	0	13	22	38	73	5.5
Unknown Truck	6	28	25	98	157	11.7
TOTAL	12	152	300	873	1,337	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

```
                                    DEATHS
                                    1,537
        ┌──────────────┬──────────────┼──────────────┬──────────────┐
      DAWN          DAYLIGHT         DUSK        DARK UNLIGHTED   DARK LIGHTED
       17             790             41            425             248
   ┌─────┴─────┐  ┌─────┴─────┐  ┌─────┴─────┐  ┌─────┴─────┐  ┌─────┴─────┐
PEDESTRIAN NONPED  PED   NONPED  PED   NONPED  PED   NONPED  PED   NONPED
    0      17      59    731      4     37     68    357     55    193
```

		DEATHS 1,537		
DAWN 17	DAYLIGHT 790	DUSK 41	DARK UNLIGHTED 425	DARK LIGHTED 248
PEDESTRIAN 0 / NONPEDESTRIAN 17	PEDESTRIAN 59 / NONPEDESTRIAN 731	PEDESTRIAN 4 / NONPEDESTRIAN 37	PEDESTRIAN 68 / NONPEDESTRIAN 357	PEDESTRIAN 55 / NONPEDESTRIAN 193

Of the 1,537 motor vehicle deaths in Michigan in 1995, more than half occurred in daylight crashes. Nonpedestrians (mostly occupants of motor vehicles) accounted for 87.8 percent of the deaths. 16 of 1,537 cases were lost due to unknown lighting conditions.

**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	816	5	94	717	0	127	152	537	5	137
Alger	560	1	99	460	0	38	279	243	1	134
Allegan	4,168	28	902	3,238	304	376	766	2,722	29	1,364
Alpena	1,447	4	264	1,179	0	322	202	923	5	366
Antrim	1,105	6	170	929	0	222	199	684	7	253
Arenac	1,134	7	203	924	151	327	80	576	7	299
Baraga	655	2	81	572	0	226	103	326	2	118
Barry	2,639	7	509	2,123	0	0	778	1,861	10	722
Bay	4,178	19	1,086	3,073	190	117	1,144	2,727	21	1,638
Benzie	624	3	112	509	0	182	84	358	4	168
Berrien	6,462	32	1,637	4,793	953	872	795	3,842	36	2,427
Branch	2,229	10	417	1,802	209	499	85	1,436	11	621
Calhoun	7,138	28	1,424	5,686	1,371	33	936	4,798	32	2,106
Cass	2,257	15	418	1,824	4	182	634	1,437	18	633
Charlevoix	1,331	8	199	1,124	0	369	218	744	9	317
Cheboygan	1,146	9	281	856	228	62	225	631	9	401
Chippewa	1,949	9	277	1,663	356	0	420	1,173	13	402
Clare	1,672	8	264	1,400	0	399	292	981	11	387
Clinton	2,662	6	503	2,153	341	556	166	1,599	7	748
Crawford	869	4	130	735	223	18	210	418	5	190
Delta	2,432	5	384	2,043	0	559	402	1,471	5	564
Dickinson	1,804	4	256	1,544	0	582	409	813	5	369
Eaton	4,440	11	902	3,527	604	151	1,310	2,375	12	1,319
Emmet	1,702	8	306	1,388	16	588	163	935	8	426
Genesee	16,386	68	4,607	11,711	1,669	375	2,698	11,644	76	7,054
Gladwin	1,086	4	216	866	0	0	421	665	6	318
Gogebic	746	3	123	620	0	356	41	349	3	188
Grand Traverse	3,743	11	802	2,930	0	1,022	348	2,373	11	1,127
Gratiot	1,816	9	348	1,459	0	461	342	1,013	12	531
Hillsdale	2,461	12	435	2,014	0	219	581	1,661	13	640
Houghton	1,544	3	282	1,259	0	484	390	670	3	418
Huron	1,966	8	289	1,669	0	0	843	1,123	10	462
Ingham	13,020	23	2,970	10,027	1,969	371	2,333	8,347	26	4,164
Ionia	2,752	13	507	2,232	263	0	783	1,706	14	738
Iosco	1,322	5	218	1,099	0	325	290	707	6	324
Iron	1,092	0	99	993	0	228	336	528	0	131
Isabella	2,996	11	558	2,427	0	547	301	2,148	11	843
Jackson	7,085	26	1,603	5,456	1,035	292	1,067	4,691	27	2,321
Kalamazoo	10,987	32	2,293	8,662	958	805	1,365	7,859	36	3,201
Kalkaska	901	7	173	721	0	167	182	552	8	275
Kent	24,061	51	5,785	18,225	1,573	1,825	4,289	16,374	54	8,200
Keweenaw	116	1	34	81	0	43	26	47	1	49
Lake	644	10	102	532	0	111	97	436	10	154
Lapeer	3,644	10	782	2,852	190	0	1,226	2,228	10	1,180
Leelanau	791	2	116	673	0	0	297	494	2	169
Lenawee	3,775	17	935	2,823	0	922	736	2,117	18	1,434

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	5,506	24	1,408	4,074	1,059	389	602	3,456	25	2,097
Luce	393	1	69	323	0	0	170	223	1	106
Mackinac	919	3	141	775	167	195	210	347	4	197
Macomb	26,937	68	7,516	19,353	1,618	0	7,186	18,133	76	10,964
Manistee	1,102	5	164	933	0	274	180	648	9	229
Marquette	2,998	13	557	2,428	0	930	363	1,705	17	817
Mason	1,685	5	261	1,419	0	580	32	1,073	5	394
Mecosta	2,904	7	351	2,546	0	732	496	1,676	8	512
Menominee	1,970	6	216	1,748	0	636	161	1,173	6	304
Midland	3,221	15	638	2,568	0	391	453	2,377	17	949
Missaukee	820	2	93	725	0	0	267	553	2	154
Monroe	4,674	27	1,294	3,353	514	839	632	2,689	31	1,895
Montcalm	3,302	15	564	2,723	0	99	1,151	2,052	18	883
Montmorency	487	2	89	396	0	0	170	317	4	121
Muskegon	6,473	31	1,508	4,934	60	1,185	759	4,469	33	2,122
Newaygo	2,197	5	392	1,800	0	0	761	1,436	6	561
Oakland	47,190	112	12,677	34,401	5,673	2,953	7,206	31,358	114	18,147
Oceana	1,188	6	190	992	0	269	82	837	6	289
Ogemaw	1,266	6	208	1,052	188	0	284	794	8	307
Ontonagon	901	1	72	828	0	195	398	308	1	100
Osceola	1,710	6	269	1,435	0	422	259	1,029	8	429
Oscoda	508	1	85	422	0	0	186	322	1	136
Otsego	1,148	2	246	900	213	0	259	676	2	349
Ottawa	7,543	29	1,668	5,846	353	1,072	709	5,409	37	2,468
Presque Isle	803	2	91	710	0	198	166	439	2	129
Roscommon	1,195	4	215	976	149	105	300	641	5	291
Saginaw	8,997	28	2,197	6,772	530	0	2,504	5,963	30	3,230
Sanilac	2,016	12	329	1,675	0	0	825	1,191	13	511
Schoolcraft	577	3	90	484	0	151	186	240	3	140
Shiawassee	2,517	15	639	1,863	238	0	793	1,486	16	967
St. Clair	5,468	25	1,453	3,990	796	0	1,068	3,604	27	2,141
St. Joseph	2,711	15	660	2,036	0	649	467	1,595	15	987
Tuscola	2,455	17	524	1,914	0	0	820	1,635	18	790
Van Buren	3,165	14	771	2,380	516	0	626	2,023	20	1,150
Washtenaw	12,581	44	3,103	9,434	1,486	1,580	1,003	8,512	49	4,497
Wayne	91,201	247	24,873	66,081	9,218	5,939	12,445	63,599	266	36,317
Wexford	1,865	3	361	1,501	0	522	502	841	5	561
UNKNOWN	127	0	30	97	0	0	0	127	0	32
Totals	421,073	1,386	100,207	319,480	35,385	35,665	73,725	276,298	1,537	146,303

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1995

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Alcona County						
Alcona Twp.	71	1	9	61	1	15
Caledonia Twp.	66	0	10	56	0	11
Curtis Twp.	81	0	11	70	0	14
Greenbush Twp.	72	0	10	62	0	13
Gustin Twp.	72	0	8	64	0	11
Harrisville	14	0	3	11	0	8
Harrisville Twp.	78	1	12	65	1	16
Hawes Twp.	71	1	7	63	1	10
Haynes Twp.	70	1	5	64	1	6
Lincoln	27	0	2	25	0	2
Mikado Twp.	64	0	11	53	0	17
Millen Twp.	51	0	1	50	0	1
Mitchell Twp.	70	1	4	65	1	11
Unknown Community	9	0	1	8	0	2
Alger County						
Au Train Twp.	71	0	15	56	0	21
Burt Twp.	35	0	10	25	0	11
Chatham	8	0	3	5	0	3
Grand Island Twp.	16	0	6	10	0	10
Limestone Twp.	46	0	2	44	0	2
Mathias Twp.	53	1	3	49	1	4
Munising	89	0	16	73	0	19
Munising Twp.	120	0	26	94	0	38
Onota Twp.	44	0	6	38	0	8
Rock River Twp.	63	0	8	55	0	10
Unknown Community	15	0	4	11	0	8
Allegan County						
Allegan	164	0	28	136	0	38
Allegan Twp.	185	0	32	153	0	39
Casco Twp.	144	2	36	106	2	58
Cheshire Twp.	95	0	22	73	0	37
Clyde Twp.	105	1	19	85	1	42
Dorr Twp.	197	2	48	147	2	81
Douglas	40	0	10	30	0	14
Fennville	17	0	5	12	0	7
Fillmore Twp.	238	1	55	182	1	81
Ganges Twp.	94	0	19	75	0	26
Gunplain Twp.	253	2	45	206	2	70
Heath Twp.	111	0	23	88	0	34
Holland	247	5	63	179	6	107
Hopkins	9	0	0	9	0	0
Hopkins Twp.	89	1	19	69	1	24
Laketown Twp.	168	0	34	134	0	53
Lee Twp.	105	2	17	86	2	35
Leighton Twp.	129	1	25	103	1	33
Manlius Twp.	87	0	19	68	0	35
Martin	7	0	3	4	0	3
Martin Twp.	111	0	27	84	0	44
Monterey Twp.	69	1	18	50	1	26
Otsego	111	0	26	85	0	36
Otsego Twp.	253	2	56	195	2	78
Overisel Twp.	109	2	31	76	2	44
Plainwell	166	2	30	134	2	40
Salem Twp.	101	0	25	76	0	35
Saugatuck	44	0	3	41	0	3
Saugatuck Twp.	151	0	42	109	0	64
Trowbridge Twp.	141	1	21	119	1	33
Valley Twp.	77	1	14	62	1	17
Watson Twp.	77	0	24	53	0	40
Wayland	54	0	13	41	0	17
Wayland Twp.	210	2	48	160	2	68

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1995 (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	443	0	106	337	0	145
Alpena Twp.	401	2	85	314	3	119
Green Twp.	74	0	8	66	0	12
Long Rapids Twp.	62	0	6	56	0	6
Maple Ridge Twp.	77	1	12	64	1	19
Ossineke Twp.	98	1	6	91	1	9
Sanborn Twp.	95	0	18	77	0	26
Wellington Twp.	14	0	3	11	0	5
Wilson Twp.	169	0	17	152	0	21
Unknown Community	14	0	3	11	0	4
Antrim County						
Banks Twp.	99	0	17	82	0	33
Bellaire	38	0	2	36	0	2
Central Lake	16	0	2	14	0	2
Central Lake Twp.	81	2	9	70	3	19
Chestonia Twp.	39	0	5	34	0	6
Custer Twp.	82	0	7	75	0	10
Echo Twp.	36	0	9	27	0	12
Elk Rapids	52	0	10	42	0	14
Elk Rapids Twp.	45	2	6	37	2	12
Ellsworth	8	0	1	7	0	4
Forest Home Twp.	90	0	11	79	0	17
Helena Twp.	77	0	10	67	0	14
Jordan Twp.	36	0	9	27	0	10
Kearney Twp.	88	0	12	76	0	15
Mancelona	51	0	14	37	0	15
Mancelona Twp.	91	1	18	72	1	25
Milton Twp.	49	1	4	44	1	7
Star Twp.	28	0	10	18	0	13
Torch Lake Twp.	49	0	2	47	0	3
Warner Twp.	47	0	11	36	0	19
Unknown Community	3	0	1	2	0	1
Arenac County						
Adams Twp.	62	1	20	41	1	34
Arenac Twp.	110	0	12	98	0	23
Au Gres	36	0	9	27	0	13
Au Gres Twp.	106	0	8	98	0	9
Clayton Twp.	45	0	11	34	0	19
Deep River Twp.	111	1	26	84	1	37
Lincoln Twp.	136	2	32	102	2	50
Mason Twp.	54	1	8	45	1	10
Moffat Twp.	95	0	16	79	0	25
Omer	13	0	1	12	0	2
Sims Twp.	54	1	6	47	1	7
Standish	100	0	14	86	0	19
Standish Twp.	84	1	16	67	1	19
Sterling	9	0	2	7	0	4
Turner	1	0	0	1	0	0
Turner Twp.	41	0	5	36	0	7
Twining	4	0	1	3	0	1
Whitney Twp.	67	0	15	52	0	19
Unknown Community	6	0	1	5	0	1
Baraga County						
Arvon Twp.	66	1	6	59	1	8
Baraga	16	0	3	13	0	6
Baraga Twp.	151	0	16	135	0	26
Covington Twp.	115	0	12	103	0	16
Lanse	67	1	11	55	1	15
Lanse Twp.	183	0	23	160	0	34

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1995 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Spurr Twp.	36	0	6	30	0	8
Unknown Community	21	0	4	17	0	5
Barry County						
Assyria Twp.	85	0	13	72	0	20
Baltimore Twp.	105	1	20	84	1	28
Barry Twp.	159	0	33	126	0	44
Carlton Twp.	142	0	20	122	0	28
Castleton Twp.	128	0	20	108	0	26
Freeport	6	0	0	6	0	0
Hastings	258	0	55	203	0	83
Hastings Twp.	167	1	24	142	1	33
Hope Twp.	121	0	28	93	0	39
Irving Twp.	131	1	15	115	1	19
Johnstown Twp.	150	1	31	118	1	46
Maple Grove Twp.	77	0	8	69	0	11
Middleville	63	0	18	45	0	20
Nashville	52	0	7	45	0	8
Orangeville Twp.	121	0	35	86	0	44
Prairieville Twp.	148	1	42	105	2	62
Rutland Twp.	251	2	42	207	4	70
Thornapple Twp.	184	0	38	146	0	51
Woodland	1	0	0	1	0	0
Woodland Twp.	124	0	19	105	0	30
Yankee Springs Twp.	156	0	39	117	0	58
Unknown Community	10	0	2	8	0	2
Bay County						
Auburn	34	0	6	28	0	8
Bangor Twp.	577	2	144	431	2	211
Bay City	1,411	4	343	1,064	4	535
Beaver Twp.	59	0	13	46	0	17
Delta College	13	0	2	11	0	2
Essexville	64	0	10	54	0	11
Frankenlust Twp.	213	0	56	157	0	79
Fraser Twp.	134	0	43	91	0	66
Garfield Twp.	49	0	12	37	0	17
Gibson Twp.	29	0	5	24	0	11
Hampton Twp.	234	1	62	171	1	93
Kawkawlin Twp.	245	2	71	172	2	118
Merritt Twp.	40	2	13	25	2	19
Midland	10	1	1	8	1	1
Monitor Twp.	541	2	161	378	2	226
Mt. Forest Twp.	42	0	13	29	0	17
Pinconning	46	0	9	37	0	12
Pinconning Twp.	137	3	38	96	5	66
Portsmouth Twp.	107	1	40	66	1	62
Saginaw Valley State	0	0	0	0	0	0
Williams Twp.	187	1	41	145	1	63
Unknown Community	6	0	3	3	0	4
Benzie County						
Almira Twp.	48	0	12	36	0	16
Benzonia	21	0	7	14	0	9
Benzonia Twp.	105	1	18	86	2	28
Beulah	24	0	6	18	0	9
Blaine Twp.	22	0	6	16	0	8
Colfax Twp.	45	0	6	39	0	8
Crystal Lake Twp.	31	0	5	26	0	8
Elberta	2	0	1	1	0	1
Frankfort	2	0	0	2	0	0
Gilmore Twp.	16	0	1	15	0	1
Homestead Twp.	91	1	20	70	1	35
Honor	8	0	2	6	0	2
Inland Twp.	87	1	13	73	1	24

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Joyfield Twp.	30	0	4	26	0	5
Lake Ann	7	0	0	7	0	0
Lake Twp.	25	0	1	24	0	1
Platte Twp.	23	0	4	19	0	5
Thompsonville	4	0	2	2	0	2
Weldon Twp.	32	0	3	29	0	5
Unknown Community	1	0	1	0	0	1
Berrien County						
Bainbridge Twp.	119	1	38	80	1	70
Baroda	3	0	1	2	0	1
Baroda Twp.	73	1	25	47	1	45
Benton Harbor	562	1	118	443	1	157
Benton Twp.	982	7	290	685	7	454
Berrien Springs	74	0	13	61	0	19
Berrien Twp.	186	2	50	134	2	69
Bertrand Twp.	155	1	38	116	1	46
Bridgman	56	1	10	45	1	17
Buchanan	106	0	13	93	0	21
Buchanan Twp.	89	1	20	68	2	28
Chikaming Twp.	219	3	37	179	3	63
Coloma	43	0	12	31	0	17
Coloma Twp.	176	0	46	130	0	72
Eau Claire	15	0	3	12	0	3
Galien	5	1	0	4	1	0
Galien Twp.	36	0	13	23	0	20
Grand Beach	3	0	0	3	0	0
Hagar Twp.	164	1	42	121	1	62
Lake Twp.	135	1	27	107	1	45
Lincoln Twp.	335	0	90	245	0	138
Michiana	2	0	1	1	0	1
New Buffalo	56	0	23	33	0	30
New Buffalo Twp.	167	0	40	127	0	54
Niles	533	1	134	398	1	176
Niles Twp.	462	2	117	343	2	166
Oronoko Twp.	229	1	63	165	1	91
Pipestone Twp.	63	1	17	45	1	24
Royalton Twp.	190	3	45	142	3	78
Shoreham	8	0	3	5	0	3
Sodus Twp.	102	0	31	71	0	46
St. Joseph	417	0	96	321	0	139
St. Joseph Twp.	310	1	85	224	4	128
Stevensville	49	1	10	38	1	15
Three Oaks	30	0	3	27	0	3
Three Oaks Twp.	38	0	6	32	0	7
Watervliet	61	0	16	45	0	28
Watervliet Twp.	157	0	48	109	0	72
Weesaw Twp.	50	1	12	37	1	18
Unknown Community	2	0	1	1	0	1
Branch County						
Algansee Twp.	83	0	22	61	0	28
Batavia Twp.	96	0	20	76	0	25
Bethel Twp.	83	0	12	71	0	18
Bronson	36	0	2	34	0	4
Bronson Twp.	69	2	9	58	2	13
Butler Twp.	75	0	15	60	0	21
California Twp.	50	0	8	42	0	9
Coldwater	546	0	130	416	0	174
Coldwater Twp.	255	3	35	217	3	50
Gilead Twp.	22	0	4	18	0	8
Girard Twp.	131	0	15	116	0	28
Kinderhook Twp.	108	0	16	92	0	22
Mattison Twp.	67	0	9	58	0	12

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Noble Twp.	25	0	2	23	0	4
Ovid Twp.	174	2	36	136	2	79
Quincy	44	0	16	28	0	24
Quincy Twp.	137	1	25	111	1	41
Sherwood	2	0	2	0	0	2
Sherwood Twp.	124	0	25	99	0	33
Union City	18	0	1	17	0	2
Union Twp.	82	2	13	67	3	24
Unknown Community	2	0	0	2	0	0
Calhoun County						
Albion	256	0	46	210	0	74
Albion Twp.	75	2	7	66	2	14
Athens	20	0	5	15	0	8
Athens Twp.	81	1	9	71	1	13
Battle Creek	2843	12	631	2200	13	929
Bedford Twp.	232	1	50	181	1	76
Burlington	3	0	1	2	0	2
Burlington Twp.	85	2	9	74	3	18
Clarence Twp.	72	1	6	65	2	9
Clarendon Twp.	90	0	12	78	0	21
Convis Twp.	179	1	24	154	2	38
Eckford Twp.	93	0	6	87	0	7
Emmet Twp.	670	3	157	510	3	226
Fredonia Twp.	139	0	23	116	0	31
Homer	47	0	15	32	0	24
Homer Twp.	68	0	11	57	0	13
Lee Twp.	86	0	14	72	0	25
Leroy Twp.	155	0	22	133	0	34
Marengo Twp.	213	1	35	177	1	53
Marshall	284	0	59	225	0	74
Marshall Twp.	378	1	64	313	1	80
Newton Twp.	88	0	18	70	0	27
Pennfield Twp.	326	0	51	275	0	76
Sheridan Twp.	198	2	32	164	2	47
Springfield	288	0	89	199	0	142
Tekonsha	15	0	1	14	0	2
Tekonsha Twp.	144	1	25	118	1	38
Union City	1	0	0	1	0	0
Unknown Community	9	0	2	7	0	5
Cass County						
Calvin Twp.	95	2	18	75	2	38
Cassopolis	2	0	1	1	0	1
Dowagiac	215	1	43	171	1	62
Edwardsburg	43	0	15	28	0	23
Howard Twp.	169	0	34	135	0	48
Jefferson Twp.	158	1	22	135	2	40
LaGrange Twp.	148	2	28	118	2	42
Marcellus	25	0	2	23	0	2
Marcellus Twp.	95	0	12	83	0	13
Mason Twp.	94	1	20	73	1	27
Milton Twp.	135	1	34	100	1	47
Newberg Twp.	90	0	14	76	0	17
Niles	0	0	0	0	0	0
Ontwa Twp.	171	3	47	121	4	73
Penn Twp.	114	0	12	102	0	24
Pokagon Twp.	127	1	25	101	1	43
Porter Twp.	166	1	33	132	1	45
Silver Creek Twp.	182	1	25	156	1	42
Vandalia	4	0	0	4	0	0
Volinia Twp.	72	1	5	66	2	8
Wayne Twp.	150	0	28	122	0	38

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Unknown Community	2	0	0	2	0	0
Charlevoix County						
Bay Twp.	45	1	3	41	1	6
Boyne City	128	3	23	102	4	30
Boyne Falls	12	0	3	9	0	4
Boyne Valley Twp.	93	1	8	84	1	12
Chandler Twp.	9	0	1	8	0	1
Charlevoix	207	0	41	166	0	67
Charlevoix Twp.	49	1	14	34	1	24
East Jordan	79	0	12	67	0	14
Evangeline Twp.	44	0	2	42	0	2
Eveline Twp.	64	0	4	60	0	4
Hayes Twp.	111	1	13	97	1	16
Hudson Twp.	36	0	5	31	0	8
Marion Twp.	79	0	8	71	0	20
Melrose Twp.	89	0	19	70	0	39
Norwood Twp.	94	0	9	85	0	17
Peaine Twp.	8	0	2	6	0	3
South Arm Twp.	73	0	13	60	0	19
St. James Twp.	6	0	1	5	0	2
Wilson Twp.	101	1	17	83	1	28
Unknown Community	4	0	1	3	0	1
Cheboygan County						
Aloha Twp.	46	0	4	42	0	4
Beaugrand Twp.	58	1	13	44	1	14
Benton Twp.	82	1	29	52	1	32
Burt Twp.	38	0	9	29	0	12
Cheboygan	46	0	22	24	0	27
Ellis Twp.	40	0	12	28	0	24
Forest Twp.	47	0	8	39	0	12
Grant Twp.	34	1	11	22	1	15
Hebron Twp.	43	0	8	35	0	16
Inverness Twp.	101	0	24	77	0	34
Koehler Twp.	41	0	6	35	0	9
Mackinaw City	51	0	3	48	0	6
Mackinaw Twp.	53	1	13	39	1	16
Mentor Twp.	37	1	5	31	1	7
Mullet Twp.	31	0	10	21	0	14
Munro Twp.	67	0	18	49	0	29
Nunda Twp.	66	0	22	44	0	34
Tuscarora Twp.	179	4	38	137	4	58
Walker Twp.	12	0	2	10	0	2
Waverly Twp.	26	0	7	19	0	13
Wilmot Twp.	38	0	15	23	0	19
Wolverine	9	0	2	7	0	4
Unknown Community	1	0	0	1	0	0
Chippewa County						
Bay Mills Twp.	28	2	8	18	3	15
Bruce Twp.	105	0	8	97	0	13
Chippewa Twp.	42	1	5	36	2	7
Dafter Twp.	107	2	12	93	3	25
Detour	21	0	2	19	0	3
Detour Twp.	47	1	6	40	1	11
Drummond Twp.	99	0	12	87	0	14
Hulbert Twp.	33	0	5	28	0	8
Kinross Twp.	138	1	28	109	2	39
Pickford Twp.	137	1	12	124	1	19
Raber Twp.	67	0	5	62	0	6
Rudyard Twp.	112	0	15	97	0	17
Sault Ste. Marie	679	0	97	582	0	139
Soo Twp.	155	0	29	126	0	46
Sugar Island Twp.	26	0	6	20	0	8

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1995 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Superior Twp.	76	1	15	60	1	19
Trout Lake Twp.	26	0	4	22	0	4
Whitefish Twp.	44	0	7	37	0	8
Unknown Community	7	0	1	6	0	1
Clare County						
Arthur Twp.	47	0	3	44	0	5
Clare	133	1	26	106	1	38
Farwell	19	0	4	15	0	6
Franklin Twp.	34	0	8	26	0	19
Freeman Twp.	59	0	12	47	0	18
Frost Twp.	72	0	10	62	0	18
Garfield Twp.	90	0	20	70	0	26
Grant Twp.	265	0	32	233	0	43
Greenwood Twp.	53	1	8	44	2	10
Hamilton Twp.	76	3	11	62	3	19
Harrison	89	0	15	74	0	16
Hatton Twp.	154	0	15	139	0	24
Hayes Twp.	169	1	39	129	2	58
Lincoln Twp.	77	0	12	65	0	15
Redding Twp.	23	0	2	21	0	2
Sheridan Twp.	55	1	8	46	2	12
Summerfield Twp.	24	0	5	19	0	5
Surrey Twp.	201	1	32	168	1	51
Winterfield Twp.	31	0	2	29	0	2
Unknown Community	1	0	0	1	0	0
Clinton County						
Bath Twp.	267	1	60	206	2	83
Bengal Twp.	35	0	5	30	0	7
Bingham Twp.	152	1	33	118	1	46
Capitol City Airport	3	0	0	3	0	0
Dallas Twp.	62	0	8	54	0	10
Dewitt	47	0	7	40	0	8
Dewitt Twp.	610	4	144	462	4	234
Duplain Twp.	75	0	21	54	0	37
Eagle	1	0	0	1	0	0
Eagle Twp.	148	0	32	116	0	44
Elsie	7	0	3	4	0	4
Essex Twp.	66	0	7	59	0	8
Fowler	28	0	4	24	0	5
Greenbush Twp.	154	0	28	126	0	52
Hubbardston	0	0	0	0	0	0
Lansing	0	0	0	0	0	0
Lebanon Twp.	50	0	7	43	0	11
Maple Rapids	3	0	0	3	0	0
Olive Twp.	130	0	16	114	0	22
Ovid	24	0	4	20	0	5
Ovid Twp.	74	0	8	66	0	12
Riley Twp.	47	0	9	38	0	13
St. Johns	243	0	41	202	0	61
Victor Twp.	142	0	28	114	0	39
Watertown Twp.	236	0	29	207	0	38
Westphalia	10	0	2	8	0	2
Westphalia Twp.	46	0	5	41	0	5
Unknown Community	2	0	2	0	0	2
Crawford County						
Beaver Creek Twp.	126	2	15	109	3	26
Camp Grayling	2	0	0	2	0	0
Frederic Twp.	66	0	10	56	0	11
Grayling	126	0	21	105	0	32
Grayling Twp.	379	1	59	319	1	88
Lovells Twp.	58	1	7	50	1	11
Maple Forest Twp.	47	0	9	38	0	11

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
South Branch Twp.	57	0	8	49	0	10
Unknown Community	8	0	1	7	0	1
Delta County						
Baldwin Twp.	73	0	4	69	0	5
Bark River Twp.	187	0	18	169	0	28
Bay De Noc Twp.	26	0	0	26	0	0
Brampton Twp.	60	1	9	50	1	11
Cornell Twp.	75	1	7	67	1	11
Ensign Twp.	78	0	8	70	0	11
Escanaba	703	2	155	546	2	221
Escanaba Twp.	178	0	27	151	0	43
Fairbanks Twp.	14	0	3	11	0	3
Ford River Twp.	184	1	25	158	1	44
Garden	1	0	1	0	0	1
Garden Twp.	59	0	11	48	0	14
Gladstone	161	0	37	124	0	46
Maple Ridge Twp.	79	0	4	75	0	7
Masonville Twp.	191	0	20	171	0	36
Nahma Twp.	82	0	5	77	0	5
Wells Twp.	277	0	50	227	0	78
Unknown Community	4	0	0	4	0	0
Dickinson County						
Breen Twp.	44	0	1	43	0	1
Breitung Twp.	525	2	47	476	3	77
Felch Twp.	98	0	6	92	0	7
Iron Mountain	340	0	111	229	0	158
Kingsford	159	0	32	127	0	46
Norway	148	0	19	129	0	21
Norway Twp.	122	0	12	110	0	21
Sagola Twp.	217	0	16	201	0	21
Waucedah Twp.	124	2	9	113	2	12
West Branch Twp.	22	0	3	19	0	5
Unknown Community	5	0	0	5	0	0
Eaton County						
Bellevue	8	1	2	5	1	4
Bellevue Twp.	149	1	21	127	1	31
Benton Twp.	157	0	24	133	0	36
Brookfield Twp.	51	0	5	46	0	6
Carmel Twp.	125	0	19	106	0	35
Charlotte	376	0	75	301	0	101
Chester Twp.	83	0	14	69	0	17
Delta Twp.	1413	2	339	1072	3	529
Dimondale	2	0	0	2	0	0
Eaton Rapids	136	0	28	108	0	40
Eaton Rapids Twp.	174	2	37	135	2	50
Eaton Twp.	247	0	38	209	0	63
Grand Ledge	212	1	51	160	1	65
Hamlin Twp.	135	1	27	107	1	35
Kalamo Twp.	93	0	14	79	0	16
Lansing	19	0	3	16	0	3
Mulliken	4	0	0	4	0	0
Olivet	30	0	4	26	0	4
Oneida Twp.	170	2	25	143	2	36
Potterville	35	0	13	22	0	22
Roxand Twp.	65	0	15	50	0	24
Sunfield	4	0	0	4	0	0
Sunfield Twp.	99	0	18	81	0	26
Vermontville	14	0	4	10	0	4
Vermontville Twp.	108	0	18	90	0	23
Walton Twp.	191	0	41	150	0	55
Windsor Twp.	340	1	67	272	1	94

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1995 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Unknown Community	0	0	0	0	0	0
Emmet County						
Alanson	27	1	3	23	1	5
Bear Creek Twp.	402	1	80	321	1	120
Bliss Twp.	18	0	3	15	0	5
Carp Lake Twp.	40	2	3	35	2	6
Center Twp.	30	0	6	24	0	9
Cross Village Twp.	13	0	3	10	0	3
Friendship Twp.	44	0	9	35	0	10
Harbor Springs	47	0	11	36	0	12
Little Traverse Twp.	165	1	25	139	1	30
Littlefield Twp.	78	1	12	65	1	19
Mackinaw City	25	0	3	22	0	3
Maple River Twp.	64	0	6	58	0	8
McKinley Twp.	44	0	9	35	0	13
Pellston	13	0	7	6	0	11
Petoskey	396	0	76	320	0	106
Pleasant View Twp.	46	0	10	36	0	17
Readmond Twp.	17	0	0	17	0	0
Resort Twp.	101	2	19	80	2	24
Springvale Twp.	65	0	11	54	0	11
Wawatam Twp.	14	0	2	12	0	2
West Traverse Twp.	53	0	8	45	0	12
Unknown Community	0	0	0	0	0	0
Genesee County						
Argentine Twp.	140	0	16	124	0	22
Atlas Twp.	168	2	33	133	2	52
Burton	1111	3	349	759	5	550
Clayton Twp.	218	3	62	153	3	98
Clio	80	0	15	65	0	20
Davison	179	1	45	133	1	67
Davison Twp.	479	0	126	353	0	209
Fenton	448	0	105	343	0	145
Fenton Twp.	298	3	64	231	3	100
Flint	6357	15	1958	4384	15	2913
Flint Twp.	1915	5	532	1378	6	844
Flushing	105	0	14	91	0	22
Flushing Twp.	176	0	35	141	0	52
Forest Twp.	159	3	38	118	3	60
Gaines	4	0	1	3	0	4
Gaines Twp.	102	2	34	66	2	59
Genesee Twp.	526	7	150	369	9	241
Goodrich	58	0	12	46	0	22
Grand Blanc	183	0	42	141	0	61
Grand Blanc Twp.	799	3	219	577	3	340
Lennon	1	0	1	0	0	2
Linden	51	0	15	36	0	20
Montrose	32	0	6	26	0	8
Montrose Twp.	154	0	28	126	0	53
Mt. Morris	105	0	17	88	0	24
Mt. Morris Twp.	930	3	251	676	3	400
Mundy Twp.	540	5	118	417	6	169
Otisville	11	0	6	5	0	9
Otter Lake	0	0	0	0	0	0
Richfield Twp.	220	1	56	163	1	94
Swartz Creek	154	2	43	109	2	61
Thetford Twp.	204	4	75	125	4	124
University of Michigan-Flint	1	0	0	1	0	0
Vienna Twp.	468	6	139	323	8	206
Unknown Community	10	0	2	8	0	3

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1995 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Gladwin County						
Beaverton	22	0	6	16	0	12
Beaverton Twp.	112	1	21	90	2	31
Bentley Twp.	36	0	8	28	0	10
Billings Twp.	55	0	10	45	0	17
Bourret Twp.	24	0	5	19	0	6
Buckeye Twp.	83	0	18	65	0	26
Butman Twp.	58	0	7	51	0	8
Clement Twp.	31	0	8	23	0	8
Gladwin	99	0	31	68	0	44
Gladwin Twp.	62	1	14	47	1	23
Grim Twp.	17	0	3	14	0	3
Grout Twp.	120	0	15	105	0	24
Hay Twp.	69	1	20	48	1	37
Sage Twp.	88	0	16	72	0	24
Secord Twp.	47	0	7	40	0	8
Sherman Twp.	61	1	7	53	2	7
Tobacco Twp.	98	0	20	78	0	30
Unknown Community	4	0	0	4	0	0
Gogebic County						
Bessemer	71	0	9	62	0	17
Bessemer Twp.	68	0	11	57	0	17
Erwin Twp.	9	0	0	9	0	0
Ironwood	255	0	47	208	0	75
Ironwood Twp.	78	1	14	63	1	22
Marenisco Twp.	56	0	7	49	0	9
Wakefield	45	0	8	37	0	11
Wakefield Twp.	54	2	8	44	2	9
Watersmeet Twp.	104	0	19	85	0	28
Unknown Community	6	0	0	6	0	0
Grand Traverse County						
Acme Twp.	196	0	39	157	0	57
Blair Twp.	263	1	66	196	1	98
East Bay Twp.	440	3	90	347	3	117
Fife Lake	7	0	0	7	0	0
Fife Lake Twp.	61	0	17	44	0	30
Garfield Twp.	727	0	167	560	0	246
Grant Twp.	61	2	12	47	2	20
Green Lake Twp.	112	0	27	85	0	35
Kingsley	24	0	5	19	0	9
Long Lake Twp.	144	0	33	111	0	46
Mayfield Twp.	66	0	13	53	0	17
Paradise Twp.	96	1	18	77	1	32
Peninsula Twp.	72	0	21	51	0	28
Traverse City	1339	0	272	1067	0	348
Union Twp.	23	1	5	17	1	7
White Water Twp.	107	3	16	88	3	32
Unknown Community	5	0	1	4	0	5
Gratiot County						
Alma	263	0	55	208	0	83
Arcadia Twp.	105	2	15	88	3	21
Ashley	4	0	1	3	0	1
Bethany Twp.	59	0	20	39	0	32
Breckenridge	26	0	5	21	0	8
Elba Twp.	65	0	12	53	0	13
Emerson Twp.	106	0	18	88	0	21
Fulton Twp.	95	2	9	84	3	14
Hamilton Twp.	46	0	3	43	0	4
Ithaca	63	1	9	53	1	14
Lafayette Twp.	27	0	5	22	0	8
New Haven Twp.	50	0	6	44	0	8

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Newark Twp.	58	0	13	45	0	22
North Shade Twp.	33	0	8	25	0	13
North Star Twp.	77	0	18	59	0	23
Perrinton	3	0	0	3	0	0
Pine River Twp.	254	1	54	199	1	80
Seville Twp.	110	1	20	89	2	38
St. Louis	83	0	16	67	0	23
Sumner Twp.	104	0	13	91	0	25
Washington Twp.	117	1	26	90	1	40
Wheeler Twp.	62	1	22	39	1	40
Unknown Community	6	0	0	6	0	0
Hillsdale County						
Adams Twp.	155	0	29	126	0	38
Allen	3	0	0	3	0	0
Allen Twp.	111	2	21	88	3	31
Amboy Twp.	49	0	8	41	0	13
Cambria Twp.	182	1	28	153	1	44
Camden	7	0	2	5	0	3
Camden Twp.	87	3	17	67	3	23
Fayette Twp.	152	0	16	136	0	25
Hillsdale	457	0	89	368	0	134
Hillsdale Twp.	137	2	8	127	2	11
Jefferson Twp.	150	0	31	119	0	43
Jonesville	91	0	24	67	0	34
Litchfield	33	0	10	23	0	15
Litchfield Twp.	90	0	13	77	0	22
Montgomery	4	0	1	3	0	1
Moscow Twp.	108	0	19	89	0	31
North Adams	10	0	2	8	0	3
Pittsford Twp.	96	2	16	78	2	21
Ransom Twp.	50	0	6	44	0	6
Reading	15	0	1	14	0	1
Reading Twp.	114	0	24	90	0	30
Scipio Twp.	97	0	21	76	0	37
Somerset Twp.	106	0	22	84	0	30
Waldron	4	0	0	4	0	0
Wheatland Twp.	63	0	9	54	0	14
Woodbridge Twp.	44	1	8	35	1	13
Wright Twp.	45	1	10	34	1	17
Unknown Community	1	0	0	1	0	0
Houghton County						
Adams Twp.	83	1	20	62	1	24
Calumet	32	0	4	28	0	6
Calumet Twp.	83	1	23	59	1	36
Chassell Twp.	128	0	24	104	0	36
Copper City	0	0	0	0	0	0
Duncan Twp.	39	0	4	35	0	4
Elm River Twp.	45	0	7	38	0	9
Franklin Twp.	73	0	19	54	0	31
Hancock	193	0	32	161	0	43
Hancock Twp.	23	0	1	22	0	1
Houghton	342	0	43	299	0	65
Laird Twp.	52	0	3	49	0	3
Lake Linden	20	0	5	15	0	10
Laurium	39	0	7	32	0	12
Michigan Tech. University	11	0	0	11	0	0
Osceola Twp.	72	0	18	54	0	32
Portage Twp.	195	1	45	149	1	65
Quincy Twp.	9	0	1	8	0	2
Schoolcraft Twp.	21	0	5	16	0	6
South Range	15	0	4	11	0	7
Stanton Twp.	30	0	7	23	0	10

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1995 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Torch Lake Twp.	35	0	9	26	0	15
Unknown Community	4	0	1	3	0	1
Huron County						
Bad Axe	173	0	35	138	0	49
Bingham Twp.	81	0	10	71	0	15
Bloomfield Twp.	26	0	4	22	0	4
Brookfield Twp.	29	0	8	21	0	16
Caseville	11	0	3	8	0	6
Caseville Twp.	64	1	9	54	3	15
Chandler Twp.	29	1	2	26	1	3
Colfax Twp.	143	1	23	119	1	36
Dwight Twp.	38	0	3	35	0	4
Elkton	21	0	1	20	0	1
Fair Haven Twp.	62	1	12	49	1	19
Gore Twp.	24	0	0	24	0	0
Grant Twp.	87	0	12	75	0	24
Harbor Beach	29	0	6	23	0	11
Hume Twp.	51	0	5	46	0	7
Huron Twp.	38	0	1	37	0	1
Kinde	10	0	2	8	0	2
Lake Twp.	42	0	3	39	0	4
Lincoln Twp.	50	0	6	44	0	10
McKinley Twp.	41	0	9	32	0	12
Meade Twp.	78	0	7	71	0	12
Oliver Twp.	48	0	10	38	0	11
Owendale	2	0	0	2	0	0
Paris Twp.	53	1	8	44	1	21
Pigeon	15	0	0	15	0	0
Port Austin	10	0	1	9	0	11
Port Austin Twp.	55	0	7	48	0	13
Port Hope	12	0	1	11	0	1
Pte. Aux Barques Twp.	1	0	0	1	0	0
Rubicon Twp.	40	0	6	34	0	8
Sand Beach Twp.	94	1	17	76	1	28
Sebewaing	36	0	6	30	0	7
Sebewaing Twp.	57	0	21	36	0	34
Sheridan Twp.	94	0	8	86	0	9
Sherman Twp.	40	1	5	34	1	9
Sigel Twp.	65	1	6	58	1	10
Ubly	10	0	3	7	0	5
Verona Twp.	170	0	20	150	0	33
Windsor Twp.	35	0	9	26	0	11
Unknown Community	2	0	0	2	0	0
Ingham County						
Alaiedon Twp.	367	1	66	300	1	108
Aurelius Twp.	154	1	19	134	1	29
Bunker Hill Twp.	71	0	10	61	0	11
Dansville	6	0	1	5	0	1
Delhi Twp.	611	1	127	483	1	185
East Lansing	1464	2	326	1136	2	448
Ingham Twp.	92	0	17	75	0	20
Lansing	6039	8	1519	4512	8	2119
Lansing Twp.	898	2	171	725	3	224
Leroy Twp.	171	1	36	134	1	52
Leslie	29	0	7	22	0	10
Leslie Twp.	151	0	19	132	0	23
Locke Twp.	67	1	8	58	1	15
Mason	179	0	40	139	0	53
Meridian Twp.	1287	0	340	947	0	499
Michigan State University	474	0	102	372	0	134
Onondaga Twp.	117	1	27	89	1	39
Stockbridge	23	0	5	18	0	5

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Stockbridge Twp.	101	1	17	83	1	21
Vevay Twp.	214	1	36	177	3	50
Webberville	25	0	2	23	0	2
Wheatfield Twp.	139	2	26	111	2	42
White Oak Twp.	55	0	7	48	0	13
Williamston	73	0	16	57	0	22
Williamston Twp.	192	1	20	171	1	32
Unknown Community	21	0	6	15	0	7
Ionia County						
Belding	122	0	29	93	0	41
Berlin Twp.	221	1	39	181	1	60
Boston Twp.	197	1	38	158	1	47
Campbell Twp.	86	2	13	71	2	19
Clarksville	7	0	1	6	0	2
Danby Twp.	113	0	24	89	0	31
Easton Twp.	166	1	23	142	1	35
Hubbardston	7	0	2	5	0	3
Ionia	318	0	43	275	0	58
Ionia Twp.	218	0	52	166	0	82
Keene Twp.	53	1	11	41	1	19
Lake Odessa	48	0	8	40	0	9
Lyons	18	0	4	14	0	8
Lyons Twp.	99	0	18	81	0	32
Muir	20	0	7	13	0	8
North Plains Twp.	64	0	11	53	0	13
Odessa Twp.	103	1	23	79	1	37
Orange Twp.	163	3	22	138	4	49
Orleans Twp.	138	0	25	113	0	35
Otisco Twp.	153	1	43	109	1	58
Pewamo	4	0	0	4	0	0
Portland	64	1	8	55	1	11
Portland Twp.	156	0	30	126	0	36
Ronald Twp.	128	0	25	103	0	34
Saranac	17	0	0	17	0	0
Sebewa Twp.	69	1	8	60	1	11
Unknown Community	0	0	0	0	0	0
Iosco County						
Alabaster Twp.	46	0	6	40	0	7
Au Sable Twp.	89	0	16	73	0	24
Baldwin Twp.	103	1	12	90	1	17
Burleigh Twp.	52	1	8	43	2	16
East Tawas	93	0	22	71	0	32
Grant Twp.	69	0	10	59	0	12
Oscoda Twp.	298	2	62	234	2	92
Plainfield Twp.	164	1	28	135	1	40
Reno Twp.	98	0	12	86	0	18
Sherman Twp.	34	0	0	34	0	0
Tawas City	86	0	12	74	0	17
Tawas Twp.	127	0	18	109	0	30
Whittemore	10	0	3	7	0	8
Wilber Twp.	51	0	9	42	0	11
Unknown Community	2	0	0	2	0	0
Iron County						
Alpha	2	0	0	2	0	0
Bates Twp.	126	0	9	117	0	9
Caspian	27	0	1	26	0	2
Crystal Falls	37	0	5	32	0	5
Crystal Falls Twp.	194	0	17	177	0	25
Gaastra	8	0	1	7	0	2
Hematite Twp.	48	0	4	44	0	5
Iron River	108	0	16	92	0	22
Iron River Twp.	110	0	14	96	0	19

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Mansfield Twp.	70	0	1	69	0	2
Mastodon Twp.	103	0	2	101	0	2
Mineral Hills	2	0	1	1	0	1
Stambaugh	47	0	5	42	0	5
Stambaugh Twp.	208	0	23	185	0	32
Unknown Community	2	0	0	2	0	2
Isabella County						
Broomfield Twp.	104	3	16	85	3	30
Central Michigan University	12	0	5	7	0	5
Chippewa Twp.	240	0	51	189	0	89
Clare	1	0	0	1	0	0
Coe Twp.	91	0	9	82	0	12
Coldwater Twp.	53	0	9	44	0	12
Deerfield Twp.	209	0	27	182	0	32
Denver Twp.	71	0	12	59	0	17
Fremont Twp.	94	0	12	82	0	18
Gilmore Twp.	87	0	6	81	0	7
Isabella Twp.	124	2	17	105	2	29
Lincoln Twp.	90	1	17	72	1	31
Mt. Pleasant	874	0	193	681	0	283
Nottawa Twp.	85	0	19	66	0	29
Rolland Twp.	77	1	16	60	1	26
Rosebush	3	0	1	2	0	2
Shepherd	27	0	3	24	0	4
Sherman Twp.	110	1	16	93	1	30
Union Twp.	425	2	94	329	2	139
Vernon Twp.	136	1	17	118	1	22
Wise Twp.	79	0	17	62	0	25
Unknown Community	4	0	1	3	0	1
Jackson County						
Blackman Twp.	990	7	236	747	7	348
Brooklyn	16	0	3	13	0	3
Cement City	0	0	0	0	0	0
Columbia Twp.	292	3	60	229	3	90
Concord	2	0	1	1	0	2
Concord Twp.	138	2	22	114	2	32
Grass Lake	1	0	0	1	0	0
Grass Lake Twp.	249	1	60	188	1	89
Hanover	8	0	0	8	0	0
Hanover Twp.	153	2	26	125	3	42
Henrietta Twp.	126	1	29	96	1	35
Jackson	1869	1	439	1429	1	607
Leoni Twp.	711	2	178	531	2	255
Liberty Twp.	199	0	43	156	0	62
Napoleon Twp.	221	1	59	161	1	79
Norvell Twp.	125	0	28	97	0	41
Parma	11	0	3	8	0	7
Parma Twp.	199	0	40	159	0	60
Pulaski Twp.	74	1	10	63	1	16
Rives Twp.	198	0	37	161	0	59
Sandstone Twp.	257	1	48	208	1	73
Spring Arbor Twp.	298	0	63	235	0	109
Springport	10	1	1	8	1	2
Springport Twp.	77	0	20	57	0	23
Summit Twp.	635	2	148	485	2	213
Tomkins Twp.	89	0	14	75	0	22
Waterloo Twp.	132	1	35	96	1	52
Unknown Community	5	0	0	5	0	0
Kalamazoo County						
Alamo Twp.	230	1	41	188	1	55
Augusta	19	0	3	16	0	3
Brady Twp.	195	2	36	157	2	44

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Charleston Twp.	208	2	40	166	3	64
Climax	4	0	0	4	0	0
Climax Twp.	51	1	8	42	2	13
Comstock Twp.	848	4	216	628	5	308
Cooper Twp.	218	0	43	175	0	63
Galesburg	36	0	12	24	0	13
Kalamazoo	4276	5	889	3382	5	1205
Kalamazoo Twp.	658	2	156	500	2	228
Oshtemo Twp.	807	0	181	626	0	259
Parchment	52	0	11	41	0	14
Pavilion Twp.	143	0	22	121	0	32
Portage	1874	9	389	1476	10	545
Prairie Ronde Twp.	61	0	6	55	0	6
Richland	30	0	3	27	0	9
Richland Twp.	191	0	39	152	0	54
Ross Twp.	212	2	43	167	2	64
Schoolcraft	77	1	17	59	1	23
Schoolcraft Twp.	281	2	49	230	2	75
Texas Twp.	317	1	67	249	1	97
Vicksburg	34	0	6	28	0	10
Wakeshma Twp.	47	0	4	43	0	5
Western Michigan University	106	0	10	96	0	10
Unknown Community	12	0	2	10	0	2
Kalkaska County						
Bear Lake Twp.	49	1	5	43	1	13
Blue Lake Twp.	14	0	5	9	0	5
Boardman Twp.	58	0	11	47	0	26
Clearwater Twp.	142	0	24	118	0	33
Cold Springs Twp.	46	1	10	35	1	16
Excelsior Twp.	69	1	11	57	1	19
Garfield Twp.	50	0	13	37	0	19
Kalkaska	123	0	26	97	0	39
Kalkaska Twp.	159	3	35	121	4	64
Oliver Twp.	14	1	1	12	1	1
Orange Twp.	50	0	4	46	0	4
Rapid River Twp.	78	0	19	59	0	24
Springfield Twp.	47	0	9	38	0	12
Unknown Community	2	0	0	2	0	0
Kent County						
Ada Twp.	372	0	68	304	0	100
Algoma Twp.	334	0	74	260	0	100
Alpine Twp.	402	1	111	290	1	159
Bowne Twp.	120	0	19	101	0	28
Byron Twp.	549	1	135	413	1	192
Caledonia	15	0	1	14	0	1
Caledonia Twp.	366	4	63	299	4	101
Cannon Twp.	289	4	57	228	4	91
Cascade Twp.	766	2	145	619	2	199
Casnovia	5	1	0	4	1	1
Cedar Springs	50	0	12	38	0	14
Courtland Twp.	203	2	50	151	2	80
East Grand Rapids	228	0	35	193	0	45
Gaines Twp.	478	5	141	332	5	218
Grand Rapids	9399	10	2327	7062	10	3154
Grand Rapids Twp.	572	2	159	411	2	254
Grandville	784	0	173	611	0	260
Grattan Twp.	142	0	25	117	0	35
Kent City	20	0	6	14	0	9
Kentwood	1847	3	493	1351	4	687
Lowell	158	0	36	122	0	48
Lowell Twp.	236	2	50	184	2	71
Nelson Twp.	145	1	23	121	1	33

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Oakfield Twp.	168	1	33	134	1	60
Plainfield Twp.	1141	2	268	871	2	411
Rockford	131	1	36	94	1	61
Sand Lake	29	0	3	26	0	3
Solon Twp.	213	2	45	166	2	78
Sparta	110	0	16	94	0	22
Sparta Twp.	205	0	58	147	0	94
Spencer Twp.	118	0	26	92	0	35
Tyrone Twp.	149	2	38	109	3	56
Vergennes Twp.	116	1	18	97	2	31
Walker	1327	2	323	1002	2	467
Wyoming	2860	2	713	2145	2	996
Unknown Community	14	0	5	9	0	6
Keweenaw County						
Ahmeek	0	0	0	0	0	0
Allouez Twp.	42	0	12	30	0	20
Eagle Harbor Twp.	23	1	4	18	1	5
Grant Twp.	34	0	13	21	0	16
Houghton Twp.	13	0	4	9	0	4
Sherman Twp.	2	0	1	1	0	4
Unknown Community	2	0	0	2	0	0
Lake County						
Baldwin	36	1	9	26	1	12
Chase Twp.	70	0	16	54	0	23
Cherry Valley Twp.	27	0	5	22	0	9
Dover Twp.	30	0	4	26	0	5
Eden Twp.	32	1	7	24	1	9
Elk Twp.	36	1	4	31	1	5
Ellsworth Twp.	36	1	2	33	1	3
Lake Twp.	40	1	4	35	1	5
Luther	3	0	0	3	0	0
Newkirk Twp.	47	0	11	36	0	14
Peacock Twp.	35	0	5	30	0	5
Pinora Twp.	16	0	2	14	0	2
Pleasant Plains Twp.	85	1	10	74	1	19
Sauble Twp.	19	1	0	18	1	2
Sweetwater Twp.	30	1	2	27	1	2
Webber Twp.	60	2	12	46	2	19
Yates Twp.	41	0	8	33	0	18
Unknown Community	1	0	1	0	0	2
Lapeer County						
Almont	55	1	12	42	1	15
Almont Twp.	116	1	26	89	1	42
Arcadia Twp.	85	0	18	67	0	25
Attica Twp.	194	1	47	146	1	67
Burlington Twp.	37	0	8	29	0	9
Burnside Twp.	106	0	25	81	0	40
Clifford	1	0	0	1	0	0
Columbiaville	13	0	3	10	0	3
Deerfield Twp.	200	1	49	150	1	81
Dryden	14	0	4	10	0	4
Dryden Twp.	129	0	31	98	0	50
Elba Twp.	241	0	40	201	0	55
Goodland Twp.	75	0	14	61	0	21
Hadley Twp.	104	0	25	79	0	38
Imlay City	179	0	26	153	0	35
Imlay Twp.	159	4	31	124	4	58
Lapeer	580	0	131	449	0	204
Lapeer Twp.	316	1	79	236	1	127
Marathon Twp.	122	0	24	98	0	31
Mayfield Twp.	291	1	77	213	1	120
Metamora	3	0	1	2	0	1

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1995 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Metamora Twp.	272	0	55	217	0	80
North Branch	36	0	3	33	0	5
North Branch Twp.	84	0	13	71	0	20
Oregon Twp.	180	0	31	149	0	40
Otter Lake	1	0	0	1	0	0
Rich Twp.	49	0	8	41	0	8
Unknown Community	2	0	1	1	0	1
Leelanau County						
Bingham Twp.	75	0	17	58	0	23
Centerville Twp.	42	0	6	36	0	8
Cleveland Twp.	41	0	6	35	0	6
Elmwood Twp.	126	0	30	96	0	46
Empire	12	0	0	12	0	0
Empire Twp.	66	0	5	61	0	6
Glen Arbor Twp.	60	0	6	54	0	8
Kasson Twp.	60	1	7	52	1	9
Leelanau Twp.	52	0	6	46	0	7
Leland Twp.	80	0	6	74	0	8
Leland Village	3	0	0	3	0	0
Northport	5	0	1	4	0	1
Solon Twp.	78	0	12	66	0	25
Suttons Bay	28	0	3	25	0	4
Suttons Bay Twp.	58	1	11	46	1	18
Traverse City	0	0	0	0	0	0
Unknown Community	5	0	0	5	0	0
Lenawee County						
Addison	8	0	2	6	0	3
Adrian	969	0	233	736	0	316
Adrian Twp.	218	3	61	154	3	92
Blissfield	69	0	16	53	0	20
Blissfield Twp.	30	0	12	18	0	14
Britton	2	0	1	1	0	3
Cambridge Twp.	238	2	43	193	2	72
Cement City	4	0	0	4	0	0
Clayton	1	0	0	1	0	0
Clinton	39	0	5	34	0	10
Clinton Twp.	76	1	17	58	1	29
Deerfield	4	0	0	4	0	0
Deerfield Twp.	26	1	12	13	1	17
Dover Twp.	74	1	23	50	2	36
Fairfield Twp.	58	0	16	42	0	29
Franklin Twp.	184	1	45	138	1	72
Hudson	9	0	0	9	0	0
Hudson Twp.	104	1	27	76	1	38
Macon Twp.	71	0	30	41	0	42
Madison Twp.	246	1	73	172	1	126
Medina Twp.	45	0	7	38	0	10
Morenci	34	0	5	29	0	7
Ogden Twp.	23	0	12	11	0	22
Onsted	7	0	3	4	0	6
Palmyra Twp.	127	0	37	90	0	56
Raisin Twp.	242	2	53	187	2	98
Ridgeway Twp.	54	2	9	43	2	15
Riga Twp.	56	1	19	36	1	32
Rollin Twp.	99	1	28	70	1	35
Rome Twp.	118	0	29	89	0	42
Seneca Twp.	56	0	12	44	0	21
Tecumseh	229	0	46	183	0	69
Tecumseh Twp.	72	0	13	59	0	16
Woodstock Twp.	183	0	46	137	0	86
Unknown Community	0	0	0	0	0	0

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1995 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Livingston County						
Brighton	374	0	95	279	0	132
Brighton Twp.	867	4	217	646	5	305
Cohoctah Twp.	104	1	30	73	1	44
Conway Twp.	64	1	14	49	1	30
Deerfield Twp.	103	1	34	68	1	50
Fowlerville	57	0	10	47	0	12
Genoa Twp.	644	5	204	435	5	333
Green Oak Twp.	447	5	97	345	5	127
Hamburg Twp.	389	1	74	314	1	104
Handy Twp.	222	0	52	170	0	83
Hartland Twp.	405	2	130	273	2	209
Howell	438	0	115	323	0	167
Howell Twp.	319	2	90	227	2	142
Iosco Twp.	61	0	9	52	0	11
Marion Twp.	258	1	56	201	1	86
Osceola Twp.	233	0	56	177	0	85
Pinckney	46	0	6	40	0	7
Putnam Twp.	180	0	42	138	0	58
Tyrone Twp.	192	1	53	138	1	76
Unadilla Twp.	93	0	24	69	0	36
Unknown Community	10	0	0	10	0	0
Luce County						
Columbus Twp.	48	1	9	38	1	14
Lakefield Twp.	90	0	11	79	0	15
McMillan Twp.	79	0	28	51	0	40
Newberry	36	0	3	33	0	4
Pentland Twp.	134	0	18	116	0	33
Unknown Community	6	0	0	6	0	0
Mackinac County						
Bois Blanc Twp.	0	0	0	0	0	0
Brevort Twp.	42	0	4	38	0	4
Clark Twp.	158	0	17	141	0	21
Garfield Twp.	113	1	12	100	1	19
Hendricks Twp.	27	1	4	22	1	5
Hudson Twp.	23	1	3	19	2	4
Mackinac Island	10	0	2	8	0	2
Marquette Twp.	64	0	7	57	0	9
Moran Twp.	121	0	24	97	0	35
Newton Twp.	54	0	8	46	0	11
Portage Twp.	46	0	7	39	0	8
St. Ignace	92	0	22	70	0	32
St. Ignace Twp.	169	0	31	138	0	47
Unknown Community	0	0	0	0	0	0
Macomb County						
Armada	13	0	2	11	0	3
Armada Twp.	176	5	70	101	7	114
Bruce Twp.	215	1	54	160	1	89
Center Line	455	1	114	340	1	170
Chesterfield Twp.	1208	6	309	893	7	463
Clinton Twp.	3175	10	916	2249	10	1371
East Detroit	1017	1	266	750	1	381
Fraser	653	1	170	482	1	248
Grosse Pointe Shores	2	0	0	2	0	0
Harrison Twp.	739	6	211	522	7	306
Lake Township	0	0	0	0	0	0
Lenox Twp.	194	0	63	131	0	94
Macomb Co. Comm. College	0	0	0	0	0	0
Macomb Twp.	966	6	288	672	8	467
Memphis	18	0	6	12	0	10
Mt. Clemens	766	1	209	556	1	312

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
New Baltimore	248	0	75	173	0	112
New Haven	60	1	16	43	2	20
Ray Twp.	163	1	45	117	1	67
Richmond	129	0	24	105	0	32
Richmond Twp.	86	2	26	58	2	38
Romeo	184	0	28	156	0	33
Roseville	2593	1	712	1880	1	1001
Shelby Twp.	1720	5	488	1227	5	724
St. Clair Shores	1806	2	452	1352	2	635
Sterling Heights	4013	9	1085	2919	9	1565
Stoney Creek Metropark	4	0	0	4	0	0
Utica	672	1	175	496	1	257
Warren	5259	7	1602	3650	8	2287
Washington Twp.	380	1	103	276	1	158
Unknown Community	23	0	7	16	0	7
Manistee County						
Arcadia Twp.	22	0	6	16	0	9
Bear Lake	2	0	0	2	0	0
Bear Lake Twp.	68	1	11	56	1	13
Brown Twp.	46	1	4	41	1	6
Cleon Twp.	53	0	6	47	0	8
Copemish	2	0	1	1	0	2
Dickson Twp.	44	0	10	34	0	16
East Lake	5	0	1	4	0	1
Filer Twp.	90	0	15	75	0	23
Kaleva	10	0	4	6	0	4
Manistee	220	0	39	181	0	45
Manistee Twp.	201	0	22	179	0	34
Maple Grove Twp.	48	0	4	44	0	6
Marilla Twp.	20	1	2	17	4	3
Norman Twp.	84	0	15	69	0	28
Onekama	4	0	2	2	0	2
Onekama Twp.	36	0	6	30	0	8
Pleasanton Twp.	41	0	2	39	0	3
Springdale Twp.	41	0	8	33	0	8
Stronach Twp.	63	2	5	56	3	9
Unknown Community	2	0	1	1	0	1
Marquette County						
Champion Twp.	30	0	9	21	0	17
Chocolay Twp.	240	2	56	182	4	81
Ely Twp.	97	0	14	83	0	25
Ewing Twp.	9	0	3	6	0	5
Forsyth Twp.	180	0	30	150	0	36
Humboldt Twp.	70	1	9	60	1	13
Ishpeming	299	1	61	237	1	86
Ishpeming Twp.	88	1	16	71	1	33
Marquette	806	1	163	642	1	219
Marquette Airport	0	0	0	0	0	0
Marquette Twp.	231	1	40	190	2	58
Michigamme Twp.	46	0	15	31	0	27
Negaunee	196	0	38	158	0	59
Negaunee Twp.	175	2	32	141	3	55
Northern Michigan University	22	0	3	19	0	3
Powell Twp.	47	1	11	35	1	13
Republic Twp.	74	0	8	66	0	10
Richmond Twp.	48	0	5	43	0	11
Sands Twp.	89	1	13	75	1	19
Skandia Twp.	104	1	10	93	1	18
Tilden Twp.	52	0	11	41	0	16
Turin Twp.	22	0	2	20	0	2
Wells Twp.	38	0	5	33	0	5
West Branch Twp.	31	1	2	28	1	5

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1995 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Unknown Community	4	0	1	3	0	1
Mason County						
Amber Twp.	183	1	39	143	1	55
Branch Twp.	67	1	9	57	1	14
Custer	13	0	1	12	0	2
Custer Twp.	120	0	17	103	0	23
Eden Twp.	50	0	4	46	0	5
Fountain	0	0	0	0	0	0
Freesoil	1	0	0	1	0	0
Freesoil Twp.	45	0	4	41	0	8
Grant Twp.	90	2	7	81	2	11
Hamlin Twp.	109	0	12	97	0	33
Logan Twp.	30	0	1	29	0	1
Ludington	268	0	46	222	0	64
Meade Twp.	8	0	2	6	0	5
Pere Marquette Twp.	271	1	57	213	1	91
Riverton Twp.	80	0	11	69	0	16
Scottville	36	0	6	30	0	7
Sheridan Twp.	38	0	7	31	0	17
Sherman Twp.	98	0	10	88	0	12
Summit Twp.	57	0	9	48	0	10
Victory Twp.	115	0	17	98	0	17
Unknown Community	6	0	2	4	0	3
Mecosta County						
Aetna Twp.	146	1	19	126	1	25
Austin Twp.	88	0	9	79	0	9
Barryton	11	0	1	10	0	1
Big Rapids	544	0	106	438	0	148
Big Rapids Twp.	245	1	35	209	1	73
Chippewa Twp.	95	0	7	88	0	12
Colfax Twp.	213	1	13	199	1	17
Deerfield Twp.	87	1	5	81	2	6
Ferris State University	7	0	1	6	0	1
Fork Twp.	129	0	10	119	0	12
Grant Twp.	50	1	6	43	1	13
Green Twp.	234	1	36	197	1	54
Hinton Twp.	153	0	11	142	0	15
Martiny Twp.	109	0	12	97	0	22
Mecosta	6	0	3	3	0	3
Mecosta Twp.	241	1	28	212	1	37
Millbrook Twp.	149	0	14	135	0	19
Morley	6	0	3	3	0	3
Morton Twp.	116	0	5	111	0	6
Sheridan Twp.	117	0	13	104	0	17
Stanwood	1	0	0	1	0	0
Wheatland Twp.	156	0	14	142	0	19
Unknown Community	1	0	0	1	0	0
Menominee County						
Cedarville Twp.	67	0	5	62	0	6
Daggett	8	0	3	5	0	4
Daggett Twp.	102	0	3	99	0	6
Faithorn Twp.	25	0	6	19	0	7
Gourley Twp.	29	0	4	25	0	5
Harris Twp.	152	0	16	136	0	20
Holmes Twp.	79	1	4	74	1	5
Ingallston Twp.	89	0	10	79	0	13
Lake Twp.	70	0	6	64	0	8
Mellon Twp.	133	1	17	115	1	29
Menominee	351	0	66	285	0	94
Menominee Twp.	267	2	19	246	2	24
Meyer Twp.	111	1	12	98	1	16
Nadeau Twp.	152	1	7	144	1	12

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1995 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Powers	8	0	0	8	0	0
Spalding Twp.	188	0	25	163	0	37
Stephenson	16	0	5	11	0	5
Stephenson Twp.	92	0	5	87	0	10
Unknown Community	31	0	3	28	0	3
Midland County						
Coleman	15	0	4	11	0	5
Edenville Twp.	108	0	16	92	0	25
Geneva Twp.	48	0	9	39	0	14
Greendale Twp.	90	1	28	61	1	41
Homer Twp.	164	1	32	131	1	62
Hope Twp.	44	0	9	35	0	14
Ingersoll Twp.	98	1	15	82	1	28
Jasper Twp.	54	1	9	44	1	16
Jerome Twp.	174	2	30	142	3	46
Larkin Twp.	183	0	35	148	0	51
Lee Twp.	199	0	37	162	0	53
Lincoln Twp.	115	2	21	92	2	34
Midland	1440	4	314	1122	4	441
Midland Twp.	102	1	16	85	1	27
Mills Twp.	82	0	15	67	0	22
Mt. Haley Twp.	90	0	15	75	0	20
Porter Twp.	50	0	8	42	0	13
Saginaw Valley State College	0	0	0	0	0	0
Sanford	4	0	1	3	0	1
Warren Twp.	157	1	23	133	2	33
Unknown Community	4	1	1	2	1	3
Missaukee County						
Aetna Twp.	53	0	2	51	0	2
Bloomfield Twp.	17	0	2	15	0	5
Butterfield Twp.	45	0	6	39	0	10
Caldwell Twp.	50	1	8	41	1	15
Clam Union Twp.	45	0	7	38	0	8
Enterprise Twp.	29	0	2	27	0	2
Forest Twp.	40	1	5	34	1	7
Holland Twp.	17	0	0	17	0	0
Lake City	42	0	8	34	0	10
Lake Twp.	131	0	16	115	0	22
McBain	12	0	2	10	0	4
Norwich Twp.	16	0	1	15	0	2
Pioneer Twp.	11	0	3	8	0	3
Reeder Twp.	81	0	12	69	0	28
Richland Twp.	75	0	8	67	0	13
Riverside Twp.	119	0	9	110	0	18
West Branch Twp.	37	0	2	35	0	5
Unknown Community	0	0	0	0	0	0
Monroe County						
Ash Twp.	201	1	71	129	2	102
Bedford Twp.	644	4	186	454	4	287
Berlin Twp.	187	1	53	133	1	68
Carleton	39	0	14	25	0	16
Dundee	58	0	15	43	0	20
Dundee Twp.	120	1	29	90	1	41
Erie Twp.	246	3	74	169	3	128
Estral Beach	6	0	3	3	0	3
Exeter Twp.	80	1	22	57	1	26
Frenchtown Twp.	872	4	235	633	5	358
Ida Twp.	109	0	30	79	0	45
Lasalle Twp.	155	1	37	117	1	48
London Twp.	74	1	23	50	2	27
Luna Pier	10	0	2	8	0	2
Maybee	8	1	3	4	1	6

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1995 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Milan	14	0	3	11	0	5
Milan Twp.	111	0	33	78	0	42
Monroe	785	0	177	608	0	253
Monroe Twp.	398	0	118	280	0	177
Petersburg	7	0	2	5	0	3
Raisinville Twp.	196	3	64	129	3	84
South Rockwood	24	0	5	19	0	6
Summerfield Twp.	142	2	31	109	2	43
Whiteford Twp.	186	4	63	119	5	102
Unknown Community	2	0	1	1	0	3
Montcalm County						
Belvidere Twp.	152	2	13	137	2	28
Bloomer Twp.	131	1	15	115	1	30
Bushnell Twp.	117	1	17	99	1	22
Carson City	12	0	3	9	0	7
Cato Twp.	133	0	13	120	0	22
Crystal Twp.	191	3	24	164	5	39
Day Twp.	103	0	14	89	0	26
Douglass Twp.	121	0	18	103	0	24
Edmore	32	0	7	25	0	10
Eureka Twp.	186	0	42	144	0	68
Evergreen Twp.	143	1	20	122	1	24
Fairplain Twp.	154	0	30	124	0	54
Ferris Twp.	103	0	11	92	0	15
Greenville	467	0	104	363	0	147
Home Twp.	109	0	16	92	1	25
Howard City	28	1	6	21	2	10
Lakeview	21	0	1	20	0	1
Maple Valley Twp.	75	0	12	63	0	32
McBride	3	0	0	3	0	0
Montcalm Twp.	178	2	30	146	2	46
Pierson	1	0	0	1	0	0
Pierson Twp.	159	1	34	124	1	52
Pine Twp.	110	0	22	88	0	31
Reynolds Twp.	141	1	32	108	1	44
Richland Twp.	109	0	20	89	0	35
Sheridan	15	0	2	13	0	4
Sidney Twp.	197	1	34	162	1	51
Stanton	47	0	12	35	0	20
Winfield Twp.	64	0	12	52	0	16
Unknown Community	0	0	0	0	0	0
Montmorency County						
Albert Twp.	89	0	28	61	0	36
Avery Twp.	45	0	8	37	0	13
Briley Twp.	97	0	13	84	0	15
Hillman	11	0	3	8	0	6
Hillman Twp.	81	0	15	66	0	21
Loud Twp.	46	0	5	41	0	5
Montmorency Twp.	43	1	6	36	3	10
Rust Twp.	25	0	0	25	0	0
Vienna Twp.	42	1	10	31	1	14
Unknown Community	8	0	1	7	0	1
Muskegon County						
Blue Lake Twp.	65	2	12	51	3	15
Casnovia	7	0	2	5	0	3
Casnovia Twp.	124	1	39	84	1	59
Cedar Creek Twp.	95	1	22	72	1	30
Dalton Twp.	355	2	89	264	2	132
Eggleston Twp.	179	4	61	114	4	109
Fruitland Twp.	164	1	33	130	1	44
Fruitport	34	0	6	28	0	10
Fruitport Twp.	374	4	79	291	5	108

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1995 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Holton Twp.	121	3	18	100	3	29
Laketon Twp.	142	4	31	107	4	46
Lakewood Club	4	0	2	2	0	3
Montague	64	0	11	53	0	14
Montague Twp.	103	0	18	85	0	23
Moorland Twp.	84	0	15	69	0	24
Muskegon	1876	1	406	1469	1	546
Muskegon Heights	634	0	163	471	0	222
Muskegon Twp.	727	1	190	536	1	268
North Muskegon	98	0	18	80	0	23
Norton Shores	755	3	188	564	3	267
Ravenna	23	0	2	21	0	2
Ravenna Twp.	96	0	20	76	0	31
Roosevelt Park	64	0	18	46	0	23
Sullivan Twp.	67	2	15	50	2	26
White River Twp.	29	0	3	26	0	4
Whitehall	83	1	18	64	1	23
Whitehall Twp.	97	1	28	68	1	37
Unknown Community	9	0	1	8	0	1
Newaygo County						
Ashland Twp.	152	2	27	123	3	40
Barton Twp.	44	1	7	36	1	10
Beaver Twp.	45	0	5	40	0	6
Big Prairie Twp.	80	0	12	68	0	14
Bridgeton Twp.	54	0	9	45	0	12
Brooks Twp.	141	0	32	109	0	54
Croton Twp.	124	0	19	105	0	34
Dayton Twp.	100	0	19	81	0	25
Denver Twp.	68	0	14	54	0	22
Ensley Twp.	81	1	21	59	1	36
Everett Twp.	122	0	17	105	0	23
Fremont	220	0	46	174	0	55
Garfield Twp.	101	0	15	86	0	23
Goodwell Twp.	50	0	7	43	0	8
Grant	27	0	6	21	0	6
Grant Twp.	123	0	23	100	0	39
Hesperia	12	0	3	9	0	4
Home Twp.	26	0	4	22	0	5
Lilley Twp.	48	0	8	40	0	10
Lincoln Twp.	64	0	12	52	0	16
Merrill Twp.	53	0	10	43	0	14
Monroe Twp.	25	0	4	21	0	9
Newaygo	26	1	8	17	1	14
Norwich Twp.	32	0	4	28	0	4
Sheridan Twp.	133	0	26	107	0	35
Sherman Twp.	110	0	15	95	0	18
Troy Twp.	12	0	1	11	0	1
White Cloud	38	0	4	34	0	4
Wilcox Twp.	79	0	10	69	0	15
Unknown Community	7	0	4	3	0	5
Oakland County						
Addison Twp.	192	2	35	155	2	45
Auburn Hills	1334	2	302	1030	2	414
Berkley	496	0	107	389	0	152
Beverly Hills	270	1	75	194	1	98
Bingham Farms	173	0	45	128	0	72
Birmingham	1160	2	253	905	3	344
Bloomfield Hills	296	0	60	236	0	85
Bloomfield Twp.	1727	3	493	1231	3	699
Brandon Twp.	329	3	78	248	3	131
Camp Dearborn	0	0	0	0	0	0
Clarkston	37	0	12	25	0	16

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1995 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Clawson	504	1	131	372	1	181
Commerce Twp.	809	3	223	583	4	313
Farmington	396	0	107	289	0	147
Farmington Hills	3004	5	879	2120	5	1275
Ferndale	629	3	163	463	3	239
Franklin	72	0	19	53	0	25
Groveland Twp.	248	3	80	165	3	114
Hazel Park	1027	0	305	722	0	437
Highland Twp.	483	0	123	360	0	174
Holly	152	0	38	114	0	53
Holly Twp.	206	2	58	146	2	90
Huntington Woods	189	0	43	146	0	62
Independence Twp.	897	4	207	686	4	304
Keego Harbor	109	1	34	74	1	50
Kensington Metropark	6	0	3	3	0	6
Lake Angelus	8	0	3	5	0	4
Lake Orion	107	0	26	81	0	33
Lathrup Village	382	0	83	299	0	106
Leonard	1	0	0	1	0	0
Lyon Twp.	568	1	132	435	1	190
Madison Heights	1869	3	508	1358	3	691
Milford	158	0	27	131	0	38
Milford Twp.	279	2	69	208	2	99
Northville	66	0	19	47	0	30
Novi	1762	2	438	1322	2	634
Novi Twp.	4	0	1	3	0	1
Oak Park	1128	2	253	873	2	369
Oakland Twp.	320	0	78	242	0	113
Oakland University	27	0	6	21	0	9
Orchard Lake	181	1	39	141	1	60
Orion Twp.	719	3	183	533	3	309
Ortonville	20	0	5	15	0	8
Oxford	95	2	19	74	2	28
Oxford Twp.	361	0	84	277	0	119
Pleasant Ridge	183	0	48	135	0	58
Pontiac	3058	7	951	2100	7	1380
Pontiac Twp.	2	0	0	2	0	0
Rochester	327	0	62	265	0	75
Rochester Hills	2398	1	565	1832	1	815
Rose Twp.	156	2	49	105	2	81
Royal Oak	2337	1	690	1646	1	957
Royal Oak Twp	194	1	66	127	1	88
South Lyon	119	0	32	87	0	40
Southfield	4686	14	1467	3205	14	2152
Southfield Twp.	0	0	0	0	0	0
Springfield Twp.	429	2	98	329	2	141
Stoney Creek Metropark	0	0	0	0	0	0
Sylvan Lake	72	0	20	52	0	29
Troy	4026	9	1097	2920	9	1532
Walled Lake	215	0	57	158	0	73
Waterford Twp.	3295	12	948	2335	12	1386
West Bloomfield Twp.	1645	4	373	1268	4	532
White Lake Twp.	682	3	182	497	3	253
Wixom	492	4	106	382	4	160
Wolverine Lake	43	1	14	28	1	22
Unknown Community	31	0	6	25	0	6
Oceana County						
Benona Twp.	52	0	6	46	0	9
Clay Banks Twp.	36	0	5	31	0	7
Colfax Twp.	34	1	6	27	1	11
Crystal Twp.	46	0	7	39	0	11
Elbridge Twp.	64	0	11	53	0	13
Ferry Twp.	57	1	8	48	1	14

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Golden Twp.	64	0	11	53	0	17
Grant Twp.	115	2	22	91	2	34
Greenwood Twp.	68	0	13	55	0	19
Hart	51	0	7	44	0	9
Hart Twp.	120	0	19	101	0	26
Hesperia	14	0	0	14	0	0
Leavitt Twp.	49	0	10	39	0	17
New Era	5	0	3	2	0	6
New Field Twp.	58	0	6	52	0	13
Otto Twp.	25	0	1	24	0	1
Pentwater	25	1	4	20	1	5
Pentwater Twp.	48	0	6	42	0	9
Rothbury	9	0	3	6	0	3
Shelby	31	0	6	25	0	8
Shelby Twp.	109	0	19	90	0	36
Walkerville	5	0	2	3	0	2
Weare Twp.	101	1	15	85	1	19
Unknown Community	2	0	0	2	0	0
Ogemaw County						
Churchill Twp.	94	0	10	84	0	15
Cummings Twp.	67	0	8	59	0	14
Edwards Twp.	90	1	6	83	1	15
Foster Twp.	28	0	12	16	0	15
Goodar Twp.	21	0	7	14	0	10
Hill Twp.	56	0	11	45	0	14
Horton Twp.	156	1	27	128	1	45
Klacking Twp.	58	1	9	48	1	12
Logan Twp.	39	1	2	36	3	5
Mills Twp.	115	0	21	94	0	29
Ogemaw Twp.	106	1	12	93	1	21
Prescott	6	0	0	6	0	0
Richland Twp.	41	0	8	33	0	9
Rose City	20	0	2	18	0	2
Rose Twp.	76	1	14	61	1	19
West Branch	77	0	24	53	0	28
West Branch Twp.	215	0	34	181	0	52
Unknown Community	1	0	1	0	0	2
Ontonagon County						
Bergland Twp.	53	0	6	47	0	13
Bohemia Twp.	28	0	2	26	0	3
Carp Lake Twp.	83	1	10	72	1	10
Greenland Twp.	94	0	7	87	0	11
Haight Twp.	63	0	2	61	0	2
Interior Twp.	75	0	4	71	0	5
Matchwood Twp.	51	0	7	44	0	10
McMillan Twp.	67	0	2	65	0	2
Ontonagon	46	0	4	42	0	4
Ontonagon Twp.	116	0	10	106	0	15
Rockland Twp.	47	0	4	43	0	6
Stannard Twp.	174	0	13	161	0	17
Unknown Community	4	0	1	3	0	2
Osceola County						
Burdell Twp.	123	0	20	103	0	29
Cedar Twp.	19	0	2	17	0	2
Evart	83	0	20	63	0	35
Evart Twp.	105	0	16	89	0	19
Harwick Twp.	87	0	11	76	0	27
Hersey	5	0	1	4	0	4
Hersey Twp.	109	0	15	94	0	20
Highland Twp.	134	2	18	114	2	36
Leroy	2	0	1	1	0	1
Leroy Twp.	100	1	16	83	1	21

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1995 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Lincoln Twp.	116	0	14	102	0	23
Marion	16	0	4	12	0	5
Marion Twp.	72	0	10	62	0	15
Middle Branch Twp.	86	2	14	70	4	34
Orient Twp.	79	0	14	65	0	18
Osceola Twp.	89	1	11	77	1	15
Reed City	71	0	16	55	0	30
Richmond Twp.	219	0	40	179	0	63
Rose Lake Twp.	62	0	5	57	0	5
Sherman Twp.	64	0	11	53	0	13
Sylvan Twp.	63	0	10	53	0	14
Tustin	4	0	0	4	0	0
Unknown Community	2	0	0	2	0	0
Oscoda County						
Big Creek Twp.	144	0	36	108	0	50
Clinton Twp.	57	0	3	54	0	7
Comins Twp.	73	0	7	66	0	9
Elmer Twp.	51	1	13	37	1	28
Greenwood Twp.	66	0	5	61	0	10
Mentor Twp.	115	0	20	95	0	31
Unknown Community	2	0	1	1	0	1
Otsego County						
Bagley Twp.	193	0	52	141	0	80
Charlton Twp.	97	0	12	85	0	17
Chester Twp.	65	1	12	52	1	17
Corwith Twp.	98	0	23	75	0	33
Dover Twp.	33	0	4	29	0	4
Elmira Twp.	44	0	13	31	0	21
Gaylord	309	0	60	249	0	80
Hayes Twp.	60	0	9	51	0	9
Livingston Twp.	130	1	27	102	1	40
Otsego Lake Twp.	98	0	29	69	0	42
Vanderbilt	13	0	3	10	0	4
Unknown Community	8	0	2	6	0	2
Ottawa County						
Allendale Twp.	271	1	55	215	1	91
Blandon Twp.	162	2	27	133	2	43
Chester Twp.	63	1	15	47	1	24
Coopersville	61	0	16	45	0	18
Crockery Twp.	213	1	41	171	1	55
Ferrysburg	109	0	24	85	0	31
Fruitport	0	0	0	0	0	0
Georgetown Twp.	973	3	233	737	4	349
Grand Haven	790	1	159	630	1	221
Grand Haven Twp.	333	0	72	261	0	104
Grand Valley State College	14	0	3	11	0	3
Holland	894	0	216	678	0	298
Holland Twp.	1355	3	299	1053	5	435
Hope College	0	0	0	0	0	0
Hudsonville	172	0	37	135	0	53
Jamestown Twp.	147	1	34	112	5	68
Olive Twp.	186	2	44	140	2	72
Park Twp.	244	1	72	171	1	107
Polkton Twp.	167	1	33	133	1	51
Port Sheldon Twp.	104	3	20	81	3	30
Robinson Twp.	151	6	32	113	7	57
Spring Lake	129	0	26	103	0	36
Spring Lake Twp.	181	0	42	139	0	74
Tallmadge Twp.	273	1	62	210	1	90
Wright Twp.	137	1	24	112	1	35
Zeeland	161	0	25	136	0	35
Zeeland Twp.	251	1	57	193	1	88

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1995 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Unknown Community	2	0	0	2	0	0
Presque Isle County						
Allis Twp.	58	0	5	53	0	7
Bearinger Twp.	44	1	3	40	1	3
Belknap Twp.	73	0	4	69	0	6
Bismark Twp.	26	0	5	21	0	7
Case Twp.	51	0	5	46	0	9
Krakow Twp.	62	0	6	56	0	9
Metz Twp.	35	0	2	33	0	2
Millersburg	3	0	0	3	0	0
Moltke Twp.	33	0	3	30	0	3
North Allis Twp.	32	0	4	28	0	5
Ocqueoc Twp.	65	0	7	58	0	8
Onaway	19	0	4	15	0	4
Posen	7	0	0	7	0	0
Posen Twp.	50	1	7	42	1	18
Presque Isle Twp.	53	0	12	41	0	18
Pulaski Twp.	42	0	0	42	0	0
Rogers City	82	0	20	62	0	25
Rogers Twp.	68	0	4	64	0	5
Unknown Community	0	0	0	0	0	0
Roscommon County						
Au Sable Twp.	32	0	2	30	0	3
Backus Twp.	54	0	12	42	0	16
Denton Twp.	217	0	50	167	0	65
Gerrish Twp.	152	0	21	131	0	27
Higgins Twp.	149	1	16	132	1	24
Lake Twp.	79	2	10	67	3	19
Lyon Twp.	67	0	12	55	0	13
Markey Twp.	50	0	7	43	0	8
Nester Twp.	26	0	1	25	0	1
Richfield Twp.	146	0	27	119	0	34
Roscommon	21	0	5	16	0	8
Roscommon Twp.	197	1	51	145	1	70
Unknown Community	5	0	1	4	0	3
Saginaw County						
Albee Twp.	84	1	17	66	1	31
Birch Run	123	0	25	98	0	35
Birch Run Twp.	279	1	71	207	1	110
Blumfield Twp.	74	0	21	53	0	29
Brady Twp.	68	2	10	56	2	24
Brant Twp.	68	1	17	50	1	25
Bridgeport Twp.	512	5	122	385	5	185
Buena Vista Twp.	481	3	137	341	3	189
Carrollton Twp.	137	1	27	109	1	35
Chapin Twp.	47	0	5	42	0	7
Chesaning	68	0	14	54	0	20
Chesaning Twp.	116	0	27	89	0	37
Frankenmuth	115	0	24	91	0	38
Frankenmuth Twp.	116	0	28	88	0	52
Fremont Twp.	63	2	16	45	2	22
James Twp.	72	0	16	56	0	19
Jonesfield Twp.	35	0	9	26	0	16
Kochville Twp.	324	2	103	219	2	153
Lakefield Twp.	34	0	9	25	0	14
Maple Grove Twp.	56	0	15	41	0	25
Marion Twp.	59	0	12	47	0	18
Merrill	11	0	4	7	0	4
Oakley	10	0	4	6	0	8
Richland Twp.	158	0	30	128	0	44
Saginaw	3281	3	819	2459	5	1169
Saginaw Twp.	1483	1	360	1122	1	527

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1995 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Saginaw Valley State College	19	0	5	14	0	5
Spaulding Twp.	64	1	18	45	1	28
St. Charles	60	0	12	48	0	23
St. Charles Twp.	66	0	11	55	0	14
Swan Creek Twp.	107	1	20	86	1	29
Taymouth Twp.	128	0	38	90	0	59
Thomas Twp.	364	3	86	275	3	142
Tittabawassee Twp.	216	0	44	172	0	62
Tri City Airport	0	0	0	0	0	0
Zilwaukee	39	0	8	31	0	11
Zilwaukee Twp.	43	1	7	35	1	8
Unknown Community	17	0	6	11	0	13
Sanilac County						
Applegate	6	0	2	4	0	7
Argyle Twp.	71	1	12	58	1	16
Austin Twp.	60	1	4	55	1	6
Bridgehampton Twp.	49	0	5	44	0	9
Brown City	9	0	3	6	0	5
Buel Twp.	54	2	11	41	2	20
Carsonville	7	0	2	5	0	3
Croswell	65	0	14	51	0	23
Custer Twp.	57	0	9	48	0	16
Deckerville	12	0	4	8	0	4
Delaware Twp.	49	0	6	43	0	10
Elk Twp.	60	0	6	54	0	7
Elmer Twp.	51	0	11	40	0	12
Evergreen Twp.	83	0	4	79	0	7
Flynn Twp.	37	0	6	31	0	7
Forester Twp.	74	0	13	61	0	23
Forestville	1	0	0	1	0	0
Fremont Twp.	39	0	10	29	0	10
Greenleaf Twp.	90	1	6	83	1	15
Lamotte Twp.	69	0	11	58	0	16
Lexington	18	0	3	15	0	3
Lexington Twp.	104	2	21	81	2	34
Maple Valley Twp.	34	1	9	24	1	20
Marion Twp.	55	0	5	50	0	10
Marlette	87	0	9	78	0	12
Marlette Twp.	81	1	21	59	1	39
Melvin	0	0	0	0	0	0
Minden City	5	0	1	4	0	2
Minden Twp.	44	0	4	40	0	6
Moore Twp.	68	0	9	59	0	14
Peck	8	0	2	6	0	2
Port Sanilac	4	0	1	3	0	2
Sandusky	88	0	20	68	0	29
Sanilac Twp.	84	2	8	74	3	10
Speaker Twp.	57	0	6	51	0	11
Washington Twp.	76	0	17	59	0	19
Watertown Twp.	78	0	15	63	0	18
Wheatland Twp.	49	0	10	39	0	16
Worth Twp.	126	1	29	96	1	48
Unknown Community	7	0	0	7	0	0
Schoolcraft County						
Doyle Twp.	65	0	4	61	0	5
Germfask Twp.	30	0	10	20	0	17
Hiawatha Twp.	75	0	15	60	0	20
Inwood Twp.	54	0	8	46	0	8
Manistique	103	1	14	88	1	18
Manistique Twp.	38	0	6	32	0	13
Mueller Twp.	52	0	7	45	0	22
Seney Twp.	70	0	9	61	0	11

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1995 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Thompson Twp.	69	2	10	57	2	16
Unknown Community	21	0	7	14	0	10
Shiawassee County						
Antrim Twp.	80	1	18	61	1	26
Bancroft	3	0	2	1	0	3
Bennington Twp.	143	0	24	119	0	33
Burns Twp.	94	0	22	72	0	33
Byron	6	0	2	4	0	4
Caledonia Twp.	206	1	59	146	1	96
Corunna	98	2	28	68	2	39
Durand	52	0	7	45	0	7
Fairfield Twp.	29	0	1	28	0	2
Hazelton Twp.	42	1	15	26	1	19
Laingsburg	8	0	3	5	0	5
Lennon	0	0	0	0	0	0
Middlebury Twp.	48	1	13	34	2	18
Morrice	3	0	1	2	0	1
New Haven Twp.	43	0	21	22	0	30
New Lothrop	1	0	0	1	0	0
Owosso	496	0	141	355	0	199
Owosso Twp.	146	0	34	112	0	49
Perry	52	0	10	42	0	12
Perry Twp.	177	2	34	141	2	57
Rush Twp.	49	0	14	35	0	26
Sciota Twp.	55	0	16	39	0	29
Shiawassee Twp.	151	1	31	119	1	43
Venice Twp.	119	0	44	75	0	63
Vernon	8	0	2	6	0	2
Vernon Twp.	204	3	52	149	3	97
Woodhull Twp.	182	3	42	137	3	71
Unknown Community	22	0	3	19	0	3
St. Clair County						
Algonac	55	0	13	42	0	19
Berlin Twp.	68	1	18	49	1	24
Brockway Twp.	77	0	15	62	0	21
Burtchville Twp.	91	0	27	64	0	38
Capac	34	0	5	29	0	7
Casco Twp.	152	0	46	106	0	60
China Twp.	121	0	40	81	0	71
Clay Twp.	181	3	50	128	3	76
Clyde Twp.	223	0	53	170	0	71
Columbus Twp.	141	0	43	98	0	65
Cottreville Twp.	109	1	34	74	1	50
East China Twp.	50	1	18	31	1	26
Emmett	5	0	2	3	0	4
Emmett Twp.	87	0	12	75	0	26
Fort Gratiot Twp.	356	0	107	249	0	157
Grant Twp.	48	1	6	41	1	9
Greenwood Twp.	54	2	10	42	2	20
Ira Twp.	210	4	76	130	5	126
Kenockee Twp.	69	0	14	55	0	19
Kimball Twp.	311	2	73	236	2	117
Lynn Twp.	51	0	12	39	0	17
Marine City	154	0	34	120	0	49
Marysville	246	1	75	170	1	110
Memphis	6	0	1	5	0	1
Mussey Twp.	95	0	20	75	0	25
Port Huron	1456	1	392	1063	1	552
Port Huron Twp.	505	5	140	360	5	204
Riley Twp.	65	0	15	50	0	23
St. Clair	120	0	25	95	0	31
St. Clair Twp.	214	2	53	159	3	86

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Wales Twp.	68	1	20	47	1	31
Yale	44	0	4	40	0	6
Unknown Community	1	0	0	1	0	0
St. Joseph County						
Burr Oak	12	0	2	10	0	2
Burr Oak Twp.	66	1	10	55	1	13
Centreville	20	0	7	13	0	12
Colon	3	0	2	1	0	2
Colon Twp.	84	0	13	71	0	19
Constantine	48	0	16	32	0	25
Constantine Twp.	88	0	29	59	0	46
Fabius Twp.	269	4	69	196	4	118
Fawn River Twp.	69	0	19	50	0	27
Florence Twp.	77	1	22	54	1	37
Flowerfield Twp.	81	1	20	60	1	27
Leondias Twp.	58	0	10	48	0	13
Lockport Twp.	174	0	46	128	0	64
Mendon	8	0	2	6	0	4
Mendon Twp.	89	0	19	70	0	28
Mottville Twp.	93	1	25	67	1	38
Nottawa Twp.	117	1	29	87	1	44
Park Twp.	143	0	37	106	0	58
Sherman Twp.	180	2	27	151	2	40
Sturgis	408	0	118	290	0	167
Sturgis Twp.	133	1	35	97	1	55
Three Rivers	296	1	56	239	1	78
White Pigeon	48	0	10	38	0	15
White Pigeon Twp.	125	2	32	91	2	48
Unknown Community	22	0	5	17	0	7
Tuscola County						
Akron	2	0	1	1	0	1
Akron Twp.	56	1	18	37	1	28
Almer Twp.	77	0	10	67	0	17
Arbela Twp.	119	0	30	89	0	43
Caro	210	0	46	164	0	65
Cass City	70	0	14	56	0	19
Columbia Twp.	35	0	11	24	0	17
Dayton Twp.	107	1	17	89	1	27
Denmark Twp.	74	0	27	47	0	41
Elkland Twp.	79	0	14	65	0	20
Ellington Twp.	88	0	15	73	0	27
Elmwood Twp.	56	0	13	43	0	20
Fairgrove	4	0	1	3	0	1
Fairgrove Twp.	46	1	15	30	1	22
Fremont Twp.	139	2	22	115	2	27
Gagetown	3	0	1	2	0	1
Gilford Twp.	18	0	7	11	0	9
Indian Fields Twp.	202	3	45	154	3	73
Juniata Twp.	120	2	21	97	2	34
Kingston	6	0	0	6	0	0
Kingston Twp.	77	0	9	68	0	13
Koylton Twp.	73	0	11	62	0	11
Mayville	23	0	8	15	0	14
Millington	35	0	4	31	0	7
Millington Twp.	120	1	24	95	1	41
Novesta Twp.	103	0	22	81	0	34
Reese	16	0	2	14	0	3
Tuscola Twp.	82	2	24	56	2	31
Unionville	8	0	1	7	0	1
Vassar	87	0	13	74	0	17
Vassar Twp.	131	2	41	88	2	70
Watertown Twp.	56	0	12	44	0	15

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1995 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Wells Twp.	99	0	12	87	0	20
Wisner Twp.	29	2	12	15	3	20
Unknown Community	5	0	1	4	0	1
Van Buren County						
Almena Twp.	169	0	33	136	0	57
Antwerp Twp.	237	0	47	190	0	69
Arlington Twp.	107	1	28	78	2	35
Bangor	28	0	4	24	0	6
Bangor Twp.	92	0	30	62	0	51
Bloomingdale	2	0	0	2	0	0
Bloomingdale Twp.	64	1	18	45	1	28
Breedsville	4	0	1	3	0	1
Columbia Twp.	68	1	15	52	2	18
Covert Twp.	142	1	31	110	1	45
Decatur	41	0	9	32	0	13
Decatur Twp.	90	2	25	63	6	37
Geneva Twp.	127	0	45	82	0	69
Gobles	8	0	3	5	0	4
Hamilton Twp.	74	0	18	56	0	21
Hartford	38	0	9	29	0	14
Hartford Twp.	195	1	59	135	1	86
Keeler Twp.	88	1	37	50	1	54
Lawrence	30	0	4	26	0	4
Lawrence Twp.	161	0	35	126	0	52
Lawton	26	0	4	22	0	5
Mattawan	62	0	8	54	0	9
Paw Paw	176	0	44	132	0	58
Paw Paw Twp.	279	1	61	217	1	94
Pine Grove Twp.	124	2	42	80	2	60
Porter Twp.	77	0	15	62	0	20
South Haven	245	0	50	195	0	61
South Haven Twp.	279	3	79	197	3	141
Waverly Twp.	122	0	16	106	0	34
Unknown Community	10	0	1	9	0	4
Washtenaw County						
Ann Arbor	4166	6	978	3182	6	1339
Ann Arbor Twp.	588	1	148	439	2	217
Augusta Twp.	138	2	56	80	2	101
Barton Hills	1	0	0	1	0	0
Bridgewater Twp.	118	1	41	76	1	67
Chelsea	151	0	28	123	0	33
Dexter	58	1	10	47	1	14
Dexter Twp.	192	0	44	148	0	58
Eastern Michigan University	9	0	1	8	0	1
Freedom Twp.	62	0	14	48	0	18
Hudson Mills Metropark	1	0	0	1	0	0
Lima Twp.	166	3	33	130	4	45
Lodi Twp.	159	0	45	114	0	61
Lyndon Twp.	126	0	24	102	0	37
Manchester	53	0	5	48	0	6
Manchester Twp.	114	1	21	92	1	36
Milan	54	0	6	48	0	10
Northfield Twp.	346	0	85	261	0	116
Pittsfield Twp.	1235	3	297	935	3	462
Salem Twp.	160	2	51	107	2	78
Saline	186	0	33	153	0	36
Saline Twp.	95	2	22	71	3	31
Scio Twp.	544	3	152	389	3	238
Sharon Twp.	106	1	20	85	1	29
Superior Twp.	355	2	110	243	2	169
Sylvan Twp.	292	2	56	234	3	79
Webster Twp.	147	3	39	105	3	55

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
York Twp.	212	4	60	148	4	89
Ypsilanti	1110	1	240	869	1	337
Ypsilanti Twp.	1599	6	475	1118	7	723
Unknown Community	38	0	9	29	0	12
Wayne County						
Allen Park	1175	7	309	859	7	424
Belleville	85	0	20	65	0	24
Brownstown Twp.	772	2	235	535	2	361
Canton Twp.	1783	2	445	1336	3	654
Dearborn	5311	9	1499	3803	11	2146
Dearborn Heights	1994	3	556	1435	3	816
Detroit	51618	158	14039	37421	173	20506
Detroit Metropolitan Airport	258	0	40	218	0	50
Ecorse	249	0	75	174	0	99
Flat Rock	203	0	54	149	0	82
Garden City	1092	1	327	764	1	518
Gibralter	53	0	11	42	0	17
Grosse Ile Twp.	119	0	29	90	0	49
Grosse Pointe	130	0	12	118	0	21
Grosse Pointe Farms	218	0	57	161	0	74
Grosse Pointe Park	223	0	44	179	0	55
Grosse Pointe Shores	35	0	16	19	0	17
Grosse Pointe Twp.	3	0	0	3	0	0
Grosse Pointe Woods	244	1	56	187	1	76
Hamtramck	827	0	179	648	0	223
Harper Woods	590	2	164	424	2	238
Highland Park	1013	4	324	685	4	499
Huron Twp.	320	2	69	249	2	111
Inkster	890	7	204	679	7	302
Lincoln Park	1642	3	427	1212	3	594
Livonia	4698	4	1341	3353	4	1976
Lower Huron Metropark	3	0	1	2	0	2
Melvindale	324	1	77	246	1	108
Northville	105	0	23	82	0	32
Northville Twp.	399	0	121	278	0	185
Plymouth	289	0	80	209	0	113
Plymouth Twp.	1089	1	234	854	1	317
Redford Twp.	2144	3	430	1711	3	613
River Rouge	145	1	36	108	1	52
Riverview	269	1	61	207	1	93
Rockwood	73	0	19	54	0	30
Romulus	1365	8	437	920	8	633
Southgate	1270	3	326	941	3	424
Sumpter Twp.	152	0	44	108	0	67
Taylor	2744	10	921	1813	10	1404
Trenton	401	0	106	295	0	146
Van Buren Twp.	801	3	211	587	3	350
Wayne	664	1	188	475	1	246
Westland	2128	6	771	1351	7	1200
Wood Haven	433	1	88	344	1	126
Wyandotte	828	3	161	664	3	233
Unknown Community	30	0	6	24	0	11
Wexford County						
Antioch Twp.	75	0	15	60	0	20
Boon Twp.	23	0	4	19	0	6
Buckley	10	0	3	7	0	6
Cadillac	603	0	110	493	0	162
Cedar Creek Twp.	80	1	16	63	2	25
Cherry Grove Twp.	82	0	18	64	0	25
Clam Lake Twp.	209	0	35	174	0	53
Colfax Twp.	39	0	3	36	0	4
Greenwood Twp.	26	0	0	26	0	0

TRAFFIC CRASH SUMMARY FOR COUNTY/COMMUNITIES 1995 (continued)

	Total Crashes	Fatal Crashes	Personal Injury Crashes	Property Damage Crashes	Persons Killed	Persons Injured
Hanover Twp.	29	0	5	24	0	10
Haring Twp.	243	1	55	187	1	112
Harrietta	0	0	0	0	0	0
Henderson Twp.	34	0	8	26	0	9
Liberty Twp.	48	0	11	37	0	18
Manton	34	0	6	28	0	7
Mesick	21	0	9	12	0	11
Selma Twp.	122	1	20	101	2	35
Slagle Twp.	20	0	4	16	0	4
South Branch Twp.	49	0	9	40	0	9
Springville Twp.	54	0	12	42	0	17
Wexford Twp.	59	0	17	42	0	27
Unknown Community	5	0	1	4	0	1
Unknown County						
Unknown Community	127	0	30	97	0	32

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	6,725	3,301	2,355	123	12,504	$ 596,314.63	2,487	682	68
Alger	4,883	2,799	1,508	185	9,375	432,914.18	1,659	1,344	17
Allegan	55,395	23,541	13,798	1,570	94,304	5,194,955.12	10,225	2,592	285
Alpena	18,006	8,935	5,558	408	32,907	1,825,564.02	4,473	1,747	51
Antrim	12,926	5,465	3,924	328	22,643	1,143,256.21	4,754	1,520	69
Arenac	9,356	4,657	3,007	241	17,261	902,682.74	3,591	1,133	38
Baraga	3,946	2,406	1,192	121	7,665	414,064.79	1,007	658	7
Barry	29,603	13,034	8,305	982	51,924	2,512,854.29	8,133	1,378	126
Bay	69,112	22,578	17,022	1,627	110,339	5,962,456.07	10,091	4,461	331
Benzie	8,760	3,768	2,726	237	15,491	719,315.88	3,522	906	40
Berrien	100,384	31,578	17,224	2,527	151,713	7,991,048.26	13,311	2,533	585
Branch	23,214	10,857	6,414	687	41,172	2,195,059.03	5,954	679	145
Calhoun	84,677	25,419	14,391	1,960	126,447	6,598,676.24	10,153	1,415	487
Cass	27,363	11,799	6,869	791	46,822	2,336,575.02	8,188	1,673	142
Charlevoix	15,178	6,505	4,174	508	26,365	1,365,379.38	4,322	1,986	73
Cheboygan	14,256	6,906	4,423	404	25,989	1,327,561.77	4,857	2,635	90
Chippewa	17,193	8,632	5,080	470	31,375	1,626,202.93	4,609	3,574	101
Clare	16,683	8,014	5,156	441	30,294	1,493,829.52	4,130	1,325	75
Clinton	35,150	13,742	9,389	835	59,116	3,180,636.01	5,989	2,008	237
Crawford	7,029	3,333	2,301	172	12,835	652,497.90	2,618	1,137	25
Delta	22,668	11,506	7,508	651	42,333	2,158,407.61	4,699	2,535	155
Dickinson	15,791	7,903	5,197	564	29,455	1,580,195.89	3,412	1,798	164
Eaton	59,650	20,255	12,623	1,537	94,065	6,159,722.77	8,208	1,757	258
Emmet	18,678	7,319	4,636	458	31,091	1,681,207.73	4,788	2,096	158
Genesee	270,306	73,908	42,390	5,782	392,386	21,634,101.51	31,655	9,007	758
Gladwin	14,460	7,076	4,693	430	26,659	1,313,148.33	4,532	1,359	76
Gogebic	9,277	4,614	2,292	243	16,426	791,254.38	2,455	1,380	53
Grand Traverse	48,572	16,075	12,318	1,142	78,107	4,298,926.55	11,832	3,624	166

REGISTRATION TRANSACTIONS (continued)

COUNTY	VEHICLE						OTHER		
	Passenger	Commercial	Trailer	Motorcycle	Total Plates	Total Revenue	Watercraft	Snowmobile	Moped
Gratiot	22,466	9,852	6,670	577	39,565	$ 2,130,943.00	3,398	1,199	145
Hillsdale	24,419	11,515	6,281	712	42,927	2,187,942.29	4,614	747	149
Houghton	17,960	7,087	3,307	474	28,828	1,429,004.93	3,351	2,141	88
Huron	22,577	10,905	6,246	553	40,281	2,255,953.15	3,305	2,265	209
Ingham	173,415	39,763	21,536	3,561	238,275	13,327,802.63	15,964	2,939	795
Ionia	30,592	13,128	7,573	829	52,122	2,640,187.78	4,853	1,104	195
Iosco	16,620	7,417	5,263	364	29,664	1,496,599.63	4,973	1,260	86
Iron	7,315	4,141	2,391	216	14,063	700,413.39	2,441	961	40
Isabella	26,417	11,139	6,517	616	44,689	2,607,662.17	4,191	1,275	81
Jackson	89,576	30,584	17,958	2,526	140,644	7,485,800.47	14,985	2,700	454
Kalamazoo	144,096	35,826	21,750	3,253	204,925	11,321,272.58	18,391	2,584	576
Kalkaska	8,330	5,455	3,347	253	17,385	1,299,243.02	2,492	1,356	26
Kent	336,649	91,491	60,850	6,951	495,941	31,977,791.97	42,823	7,921	1,401
Keweenaw	972	431	213	13	1,629	76,940.51	348	129	7
Lake	5,330	2,720	1,616	153	9,819	457,191.57	2,073	648	19
Lapeer	47,917	21,521	11,515	1,493	82,446	4,394,362.45	6,447	2,726	162
Leelanau	11,688	4,378	3,512	259	19,837	1,007,567.52	4,678	1,248	71
Lenawee	55,856	21,712	11,874	1,630	91,072	4,800,171.99	8,519	2,540	419
Livingston	87,286	30,134	18,397	2,602	138,419	8,387,040.56	15,167	4,067	224
Luce	2,989	2,009	1,421	51	6,470	370,529.02	1,319	843	16
Mackinac	6,240	3,300	2,009	154	11,703	595,342.42	2,908	1,867	30
Macomb	505,222	107,716	55,562	9,515	678,015	41,098,821.79	46,516	12,214	1,685
Manistee	13,967	6,330	4,066	379	24,742	1,261,120.04	3,497	1,018	102
Marquette	35,683	15,490	8,334	1,131	60,638	3,045,012.81	6,976	4,159	159
Mason	15,919	7,011	4,440	456	27,826	1,434,623.91	4,028	957	127
Mecosta	19,091	8,348	5,143	461	33,043	1,683,043.72	4,571	968	62
Menominee	12,990	6,195	4,118	369	23,672	1,215,974.07	2,527	1,392	291
Midland	52,376	15,034	12,270	1,381	81,061	4,105,227.94	8,890	1,906	197
Missaukee	6936	4,214	2,600	210	13,960	712,139.72	2,030	997	40

COUNTY	VEHICLE							OTHER	
	Passenger	Commercial	Trailer	Motorcycle	Total Plates	Total Revenue	Watercraft	Snowmobile	Moped
Monroe	83,859	31,208	15,884	2,444	133,395	$ 7,322,622.04	10,031	3,455	454
Montcalm	31,096	14,521	8,905	779	55,301	2,817,059.31	6,496	1,416	255
Montmorency	5,537	3,294	2,084	130	11,045	546,953.87	2,136	1,155	19
Muskegon	98,934	29,765	20,455	2,876	152,030	7,541,929.33	14,420	3,028	596
Newaygo	23,905	11,222	7,420	709	43,256	2,075,428.78	6,208	1,685	149
Oakland	781,891	146,973	83,622	14,996	1,027,482	68,271,837.39	77,258	17,648	1,997
Oceana	13,953	6,850	3,537	376	24,716	1,251,968.72	2,666	1,023	112
Ogemaw	12,005	6,249	4,098	301	22,653	1,170,664.46	3,200	1,306	53
Ontonagon	4,676	2,753	1,534	128	9,091	434,817.75	1,132	1,200	12
Osceola	11,916	6,496	3,611	292	22,315	1,167,117.92	2,382	989	39
Oscoda	4,997	2,829	1,675	156	9,657	479,889.26	1,776	736	13
Otsego	12,544	6,233	3,792	355	22,924	1,356,481.76	2,892	2,096	43
Ottawa	126,864	37,106	30,225	2,938	197,133	11,094,338.91	21,181	4,532	958
Presque Isle	8,429	4,817	2,953	201	16,400	817,437.55	2,903	1,281	48
Roscommon	15,381	6,313	4,858	345	26,897	1,354,788.81	6,223	2,887	158
Saginaw	132,063	36,277	25,485	2,214	196,039	10,965,152.54	16,259	5,689	440
St. Clair	97,305	33,702	17,347	2,494	150,848	8,127,486.17	13,744	3,785	416
St. Joseph	34,787	14,285	8,517	1,264	58,853	2,924,150.44	8,194	842	245
Sanilac	24,812	11,845	5,918	747	43,322	2,357,850.41	2,216	1,302	74
Schoolcraft	4,550	2,793	1,816	124	9,283	471,616.23	1,844	1,060	29
Shiawassee	42,425	17,593	10,483	1,260	71,761	3,770,620.30	5,820	2,384	245
Tuscola	33,331	15,758	9,655	995	59,739	2,986,051.75	4,614	2,736	171
Van Buren	40,280	16,425	8,524	1,121	66,350	3,317,499.28	7,741	1,746	251
Washtenaw	180,187	39,300	18,595	3,928	242,010	13,838,538.17	14,660	3,274	557
Wayne	1,237,958	214,169	93,830	18,399	1,564,356	97,198,412.37	70,092	13,031	2,873
Wexford	17,409	7,397	5,012	476	30,294	1,556,329.15	4,280	1,805	85
Non-Resident	55,009	18,154	11,813	343	85,319	24,768,217.39	35,839	3,988	110
Unknown County							547	67	5
Totals	5,956,238	1,645,098	954,900	126,957	8,683,193	$523,579,795.87	778,683	211,219	23,043

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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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