Funding for this project was provided by the Michigan Office of Highway Safety Planning (OHSP), which administers funding from the National Highway Traffic Safety Administration. OHSP is committed to saving lives and reducing injuries on Michigan roads through leadership, innovation, facilitation, and program support in partnership with other public and private organizations.
2001 Michigan Traffic Crash Facts

A summary of traffic crashes on Michigan roadways in calendar year 2001

Produced by:
Michigan Department of State Police
Criminal Justice Information Center - Traffic Crash Statistics
(517) 322-1150

Office of Highway Safety Planning - Traffic Safety Programs
(517) 333-5306

WWW.MICHIGAN.GOV/MSP
FOREWORD

We are pleased to announce a new and improved web site for the 2001 Michigan Traffic Crash Facts. Please visit www.umtriumich.edu/tdc/mtcf/crash_facts.htm for easy access to all of the 2001 information in pdf format. We hope that you will find the new site easier to use, and while you are there please take a few moments to fill out the survey offered to capture your experience.

**Please Read - Data Exceptions**

As you review the 2001 Michigan Traffic Crash Facts, you will see cautionary notes inserted for the data presented for pedestrians and bicyclists. Due to processing errors approximately 1,600 pedestrians and 1,600 bicyclists are incorrectly identified as drivers in the 2001 data. This shortfall in data reporting must be considered when making comparisons to previous years and in any trend analysis in the future.

New this year, we are including information in the County/Community Traffic Crash Summary section on Ignition Interlock crashes. It has been determined that much of the data collected for this variable is incorrect due to initial errors in completing the UD-10 form and subsequent scanning problems, therefore this data should not be used for 2001 analysis.

Also, please keep in mind that beginning with the year 2000 reporting, the information provided for alcohol contains data for alcohol-related crashes only. This figure DOES NOT include the combined number for alcohol- and drug-related crashes as had been reported prior to 2000. Alcohol-related crash data for year 2000 and after CANNOT be compared with prior years. Drug-related crash information is now presented separately in the Alcohol section of the main book and in the Traffic Crash Summary section of the County/Community book.

In order to provide familiar data with the highest level of accuracy, the book retains the format used in the past, and we ask the reader to be attentive to all special notes.

A comprehensive, multi-year project is underway using federal grant funds to improve the quality, timeliness and accuracy of traffic crash data collection and processing. This includes encouraging and accepting the electronic collection of data. We regret any inconvenience caused by the exceptions reported above, however, every effort is being made within the resources available to improve future crash data.
EXECUTIVE SUMMARY

The 2001 traffic fatality count was 1,328, down 3.9 percent from the 2000 figure of 1,382. Compared with 2000, injuries were down 7.8 percent and total crashes were down 5.7 percent. These figures translated into a death rate of 1.4 per 100 million miles of travel, down 6.7 percent from the 2000 death rate. Nationally, fatalities were up 0.4 percent.

Exposure factors in 2001 showed increases in vehicle registrations, the number of drivers on Michigan roads, and travel mileage. They included motor vehicle registrations up 0.4 percent to 8.60 million, the number of licensed drivers is up 0.7 percent to 7.09 million, and vehicle travel mileage up 1.6 percent to 96.43 billion.

Consumption of alcohol continues to be a major factor in Michigan crashes, particularly the more serious crashes. In 2001, 3.9 percent of all crashes, including property damage only, were reported to involve drinking, and 20.5 percent resulted in injury or death. However, 43.7 percent of alcohol-related crashes involved injury or death, and 34.7 percent of fatal crashes involved drinking. Over 67.8 percent of alcohol-related fatal crashes involved only one vehicle, whereas only 48.3 percent of all crashes involved one vehicle.

Data on crashes in this book was obtained from 2001 Michigan Traffic Crash Report Forms (UD-10) submitted by local police departments, sheriff jurisdictions, and the Department of State Police. Other related information was obtained from the Departments of Transportation, State, and Community Health.

The University of Michigan Transportation Research Institute produced this publication with data on file at the Michigan Department of State Police as of June 18, 2002. We acknowledge, with appreciation, all involved agencies for their assistance.
OHSP has a NEW Web Address

OHSP's web is now a part of the Michigan State Police web site, adhering to the new e-Michigan standards. The purpose of these standards is to provide consistency in the navigation of all State of Michigan web sites.

Follow these steps to find the OHSP web site and bookmark the page for future reference:

1. www.michigan.gov/msp
2. Click on Services to Government Agencies
3. Click on Office of Highway Safety Planning

www.michigan.gov/msp
## 2001 Michigan Traffic Crash Facts

### UD-10 (FRONT)

<table>
<thead>
<tr>
<th>Month</th>
<th>Day</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
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</tr>
</tbody>
</table>

---

### Traffic Crash Report

**Department Name:**

**No. of Units:**

**Crash Type:**

- Single Motor Vehicle
- Head-On
- Head-On-Left Turn
- Angle
- Rear-End
- Rear-End-Low
- Rear-End-Low Turn
- Sideswipe-Same
- Sideswipe-Opposite
- Other/Unknown

**Special Circumstances:**

- Clear
- Fog/Smoke
- Rain
- Snow
- Severe Wind
- Steep/Hill
- Other/Unknown

**Weather:**

- Daylight
- Dawn
- Dusk
- Other

**Light:**

- Other
- Non-Traffic Area
- Snowmobile

**Special Checks:**

- Fatal
- Corrected Copy
- Object
- Other

**Incident Disposition:**

- Open
- Closed

---

### Traffic Way

- State
- Driver License Number

**First Name**

**Middle**

**Last**

**Street Address**

**Phone Number**

---

### Access Control

- Date of Birth
- License Type
- Sex
- Hazard Action

**Month**

**Day**

**Year**

**Position**

**Restraint**

**Ambulance/Hospital**

---

### Road Condition

- Road Condition (Mark Only One): On Road, Median, Shoulder, Outside of Shoulder/Curb, Gore, Other/Unknown

**Total Lanes**

**Speed Limit**

---

### Construction Zone

- Construction Zone (Mark One From Each Group): Roadway, Weather, Light, Special Checks

**Area**

- Road Condition (Mark Only One): On Road, Median, Shoulder, Outside of Shoulder/Curb, Gore, Other/Unknown

---

### Vehicle Registration

- State
- VIN

**Vehicle Description (year, make, color)**

---

### Vehicle Use

- Vehicle Use (Mark One): Car, Truck/Bus, Other

**Special Vehicles:**

- North
- East
- South
- West

**Vehicle Use:**

- Car
- Truck/Bus
- Other

**Vehicle Defect:**

- Private Trailer Type

---

### Towed To/By

- Towed To/By

---

### Location of Greatest Damage

- Location of Greatest Damage (Mark One): PA, VA, MO, Other

**First Impact**

- Extent of Vehicle Damage
- Driveable

**Date of Birth**

- Sex
- Ejected

**Month**

**Day**

**Year**

**Injury**

- K
- B
- O

**Position**

**Restraint**

**Ambulance/Hospital**

---

### Damaged Property

- Damaged Property

---

### Person Injured

- Person Injured Date
- Time
- Name
- Phone Number

---

### Do Not Write or Mark In This Area

---

### UD-10 SERIAL NUMBER

**Serial Number**

---

2001 Michigan Traffic Crash Facts
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 all 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 processing 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 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.
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 that administers data on the mainframe computer.

- **CJIC** Criminal Justice Information Center. A division of the Michigan Department of State Police formerly known as the Central Records Division.

- **CRD** Child Restraint Device. Also called child safety seats.

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

- **GDL** Graduated Driver Licensing

- **HBD** Had Been Drinking

- **HNBD** Had Not Been Drinking

- **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.


- **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**

- **Bicyclist** – “Bicycle” means a device propelled by human power upon which a person may ride, having either two or three wheels in a tandem or tricycle arrangement, all of which are over 14 inches in diameter.

- **Bus** - Any passenger-carrying vehicle designed to transport 16 or more passengers, including the driver.

- **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.

- **Drug-Involved Crash** – Drug use prior to the crash by a driver, pedestrian, or cyclist as reported by the police, the coroner, or other accepted authorities.

- **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 prior to the crash by a driver, pedestrian, or cyclist as reported by the police, the coroner, or other accepted authorities. Beginning with year 2000 data, the information provided for alcohol contains data for alcohol-related crashes only. This figure DOES NOT include the combined number for alcohol and drug related crashes as has been reported in prior years.

- **Harmful Event** - A harmful event is an occurrence of injury or damage.

- **Holiday** - Refers to the length of the Holiday weekend period, including the hours of 6:00 PM to midnight of the day preceding the Holiday. Please refer to the table below for the time period connected to Holidays falling on a given day of the week.

<table>
<thead>
<tr>
<th>Holiday Day</th>
<th>From</th>
<th>To</th>
<th>Number of Days</th>
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<tr>
<td>Sunday</td>
<td>6:00 PM FRI</td>
<td>23:59 PM MON</td>
<td>3 1/4</td>
</tr>
<tr>
<td>Monday</td>
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</tr>
<tr>
<td>Saturday</td>
<td>6:00 PM THU</td>
<td>23:59 PM SUN</td>
<td>3 1/4</td>
</tr>
</tbody>
</table>

- **Ignition Interlock** - An alcohol concentration measuring device that prevents a motor vehicle from being started at any time without first determining through a deep lung sample the operator’s breath alcohol level. Michigan Vehicle Code, Sec. 257.625L(6).

- **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.
GLOSSARY (continued)

- **In Transport** - Denotes a motor vehicle in motion or on a roadway.

- **Licensed Drivers** - All valid Michigan drivers on file including; suspended, revoked, and denied drivers (as long as their license has not expired).

- **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.

- **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 injured or killed person in or on a motor vehicle, *including* the driver.

- **Passenger** - Any injured or killed person in or on a motor vehicle, *excluding* the driver.

- **Pedestrian** - Any person on foot; person on skis, skates or roller blades; rider of horse; horse and buggy (each occupant including the driver will be listed as a separate pedestrian unit); nonmotorized wheelchair.

- **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.

- **Valid Drivers** - Excludes non-valid categories such as no license, out-of-state drivers with Michigan violations, deceased, and licenses expired three months prior to Department of State run date.

- **“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.
# TABLE OF CONTENTS

## QUICK FACTS & FIGURES
- 2001 Quick Facts ................................................................. 3
- Reported Statewide Traffic Crashes by County in Michigan ................................................................. 5
- Michigan’s Crash Watch 2001 .................................................. 7
- Who Died in Michigan Motor Vehicle Crashes in 2001? .......................................................... 8

## HISTORICAL INFORMATION

### 10 Year (1992-2001)
- Vehicle Registrations ............................................................. 11
- Vehicle Miles Traveled ............................................................ 11
- Total Crashes ................................................................. 11
- Motor Vehicle Deaths .......................................................... 12
- Injuries in Motor Vehicle Crashes ............................................ 12
- Total Fatal Crashes ............................................................. 12
- HBD Fatalities ................................................................. 13
- HBD Injuries ................................................................. 13
- HBD Fatal Crashes ............................................................. 13
- Restraint Usage ................................................................. 14
- Licensed Drivers ................................................................. 14
- Mileage Death Rate .............................................................. 14
- Total Crash Rate ................................................................. 15
- Personal Injury Crash Rate .................................................... 15
- Property Damage Crash Rate ................................................ 15
- Male vs. Female Drivers in All Crashes .................................... 16
- Male vs. Female Drivers in Fatal Crashes ................................. 16
- Male vs. Female Drinking Drivers in All Crashes ....................... 16
- All Drivers in All and Fatal Crashes ......................................... 18
- Teen/Young Adult Drivers in All and Fatal Crashes ..................... 18
- Elderly Drivers in All and Fatal Crashes .................................... 18
- All Drinking Drivers in All and Fatal Crashes ............................. 20
- Teen/Young Adult Drinking Drivers in All and Fatal Crashes ............ 20
- Elderly Drinking Drivers in All and Fatal Crashes ......................... 20
- Motor Vehicles in All and Fatal Crashes .................................... 22
- Motorcycles in All and Fatal Crashes .......................................... 22
- Pedestrians in All and Fatal Crashes .......................................... 22
- Bicycles in All and Fatal Crashes .............................................. 24
- Snowmobiles on Roadway in All and Fatal Crashes ......................... 24
- ORV/ATV’s on Roadway in All and Fatal Crashes ............................. 24
- Vehicle-Train Crashes .......................................................... 26
- Vehicle-Deer Crashes ............................................................ 26
- Farm Equipment Crashes ........................................................ 26
- Death & Injury per Crash Involved Occupant ............................... 27
- Fatalities and VMT Trends ....................................................... 28
- Michigan, U.S. and Surrounding States - Mileage Death Rates .............. 29
- Michigan, U.S. and Surrounding States - Fatalities and VMT .................. 30
- Average Age of Drivers in Crashes ........................................... 31

### 5 Year (1997-2001)
- Age of Persons Killed, Total ................................................. 33
- Age of Drivers Involved in Fatal Crashes .................................. 34
- Age of Drivers Involved in Single Vehicle Fatal Crashes ................... 34
- Age of Bicyclists Killed ........................................................ 35
- Age of Pedestrians Killed ...................................................... 35
- Action of Pedestrians Killed ................................................... 35
2001 Michigan Traffic Crash Facts

Relationship to Roadway ................................................................. 78
Roadway Type ................................................................................. 78
Time and Severity ........................................................................... 79
Hazardous Action ........................................................................... 79
Day of Week ................................................................................... 80
Driver Gender ................................................................................ 80
Number of Occupants in Motor Vehicle ......................................... 80
Vehicle Type .................................................................................. 81

Driver Age 65 & Over
Action Prior to Crash - Driver Action .............................................. 83
Most Harmful Event ....................................................................... 84
Crash Type ....................................................................................... 86
Relationship to Roadway ................................................................. 86
Roadway Type ................................................................................ 86
Time and Severity ........................................................................... 87
Hazardous Action .......................................................................... 87
Day of Week ................................................................................... 88
Driver Gender ................................................................................ 88
Number of Occupants in Motor Vehicle ......................................... 88
Vehicle Type .................................................................................. 89

ALCOHOL
Injury Experience for Persons Who Had Been Drinking ...................... 93
Drivers Drinking and/or Using Drugs & Injury Severity in Crash .............. 94
All Crashes and HBD Crashes by Injury Severity ...................................... 95
Death & Injury per Crash Involved Occupant ........................................... 96
All Drivers and HBD Drivers Injury Severity - Ejected vs. Not Ejected .......... 97
All Occupants and Occupants of HBD Crashes Injury Severity - Ejected vs. Not Ejected ......................................................... 98
Injury Severity & Restraint Use for Crash Involved KABC Drivers .......... 99
Injury Severity & Restraint Use for Crash Involved KABC Occupants ........ 100
Alcohol Involvement in Fatal Crashes ..................................................... 101
Alcohol Involvement in Injury Crashes .................................................... 103
Reported Age of Drinking Drivers Involved in Crashes by County ............ 105
Male Drivers & Injury Severity in Crash ............................................... 107
Male Drinking Drivers & Injury Severity in Crash .................................. 108
Female Drivers & Injury Severity in Crash ............................................ 109
Female Drinking Drivers & Injury Severity in Crash .............................. 110
Fatal Crashes and Fatalities with Drinking Involvement by County .......... 111
Map of Traffic Fatalities with Drinking Involvement by County ................ 113
Most Severe Outcome in HBD Crashes by County ................................. 114
County Ranking by HBD Fatal Crash Rate per 1,000 Michigan Residents 116
Map of County Ranking by HBD Fatal Crash Rate ................................. 118
Reported Statewide Alcohol Involved Traffic Crashes by County in Michigan 119

DEER
Map of Michigan Motor Vehicle-Deer Involved/Associated Crashes .......... 123
Light Condition and Time of Day in Motor Vehicle-Deer Crashes .............. 124
Monthly and Seasonal Rates for Motor Vehicle-Deer Crashes .................. 125
Reported Statewide Deer Crashes by County in Michigan ....................... 126

CRASH - Circumstances common to all traffic units in a crash
All Crashes Injury Severity by Month ................................................. 131
Crash Experience by Roadway Type .................................................. 132
Crash Type ...................................................................................... 133
Relationship to Roadway ................................................................. 133
Time and Severity ........................................................................... 134
VEHICLE/DRIVER - Characteristics specific to individual traffic units
Vehicle Type Crash Involvement ................................................................. 143
Vehicle Types in Crashes by Crash Severity .............................................. 144
Action Prior to Crash - Driver Action ....................................................... 145
Action Prior to Crash - Motorcyclist Action ............................................. 146
Action Prior to Crash - Bicyclist Action .................................................. 147
Action Prior to Crash - Pedestrian Action .............................................. 148
Most Harmful Event .............................................................................. 149
Vehicle Defects in Crash Involvement ..................................................... 151
Driver Hazardous Action ...................................................................... 151
Michigan Bicycle Crashes ..................................................................... 152
Michigan Pedestrian Crashes ................................................................. 153
Michigan Snowmobile Crashes .............................................................. 154
Snowmobile Driver Hazardous Action ................................................... 157
ORV/ATV Driver Hazardous Action ....................................................... 157
Michigan Farm Equipment Crashes ....................................................... 158
Michigan Vehicle-Train Crashes ............................................................ 158
Motorcycle ............................................................................................ 158
Driver Gender Information - All Crashes ................................................ 159
Person Age: Demographics and Crash Involvements .............................. 160
Crash Rate per Licensed Driver by Age of Driver in All Crashes .............. 161
Reported Age of Drivers Involved in All Crashes by County ..................... 162
Driver Age ............................................................................................ 164
Driver Condition .................................................................................. 165
Registration Transactions ...................................................................... 166

OCCUPANT/PERSON - Specific information on each driver and injured person in a crash
Age & Gender of Occupants Killed & Injured in Motor Vehicle Crashes .......................... 171
Reported Occupant Restraint Usage for All Drivers and Injured Passengers ................. 172
Motor Vehicle Occupants & Injury Severity by Seating Position and Known Belt Usage .... 173
Reported Restraint Use - Children ........................................................... 174
Age & Gender of Motorcyclists Killed & Injured in Motor Vehicle Crashes ...................... 176
Motorcycle Helmet Use and Injury Severity ............................................. 177
Occupant Injury Outcome by Vehicle Type ........................................... 178

REFERENCES
References and Reporting Agencies ....................................................... 181
Resources ............................................................................................. 182

INDEX
Index .................................................................................................... 185

COUNTY/COMMUNITIES
The following information for County/Communities can now be found in a separate volume entitled 2001 Michigan Traffic Crash Facts for County/Communities

Traffic Crash Summary  •  Alcohol Involved Traffic Crash Summary
Deer Involved/Associated Traffic Crash Summary  •  1997 - 2001 County Rankings

2001 Michigan Traffic Crash Facts