# ARIZONA

## MOTOR VEHICLE CRASH FACTS

## 2000

***Traffic crashes are not accidents, but avoidable events caused by a single variable or chain of variables. We are dedicated to reducing traffic injuries and fatalities by addressing the factors that cause them.***

# 2000 Motor Vehicle Crash Facts for Arizona


***Prepared by the:***
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This publication is a statistical review of the motor vehicle crashes in the State of Arizona for calendar year 2000. The results are compiled from Arizona Traffic Accident Reports submitted to the Arizona Department of Transportation by state, county, city, tribal, and other law enforcement agencies.
Specific inquiries regarding the data in this report or requests for additional copies should be directed to:


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Motor Vehicle Crash Facts is an annual report published by the Traffic Engineering Group of the Arizona Department of Transportation. In order to provide the most current information, preliminary data is utilized when necessary. For this reason, previous or future reports may differ slightly and we encourage you to refer to the latest issue of Motor Vehicle Crash Facts.

Previous issues of this publication may be viewed and downloaded from ADOT's Web Site at
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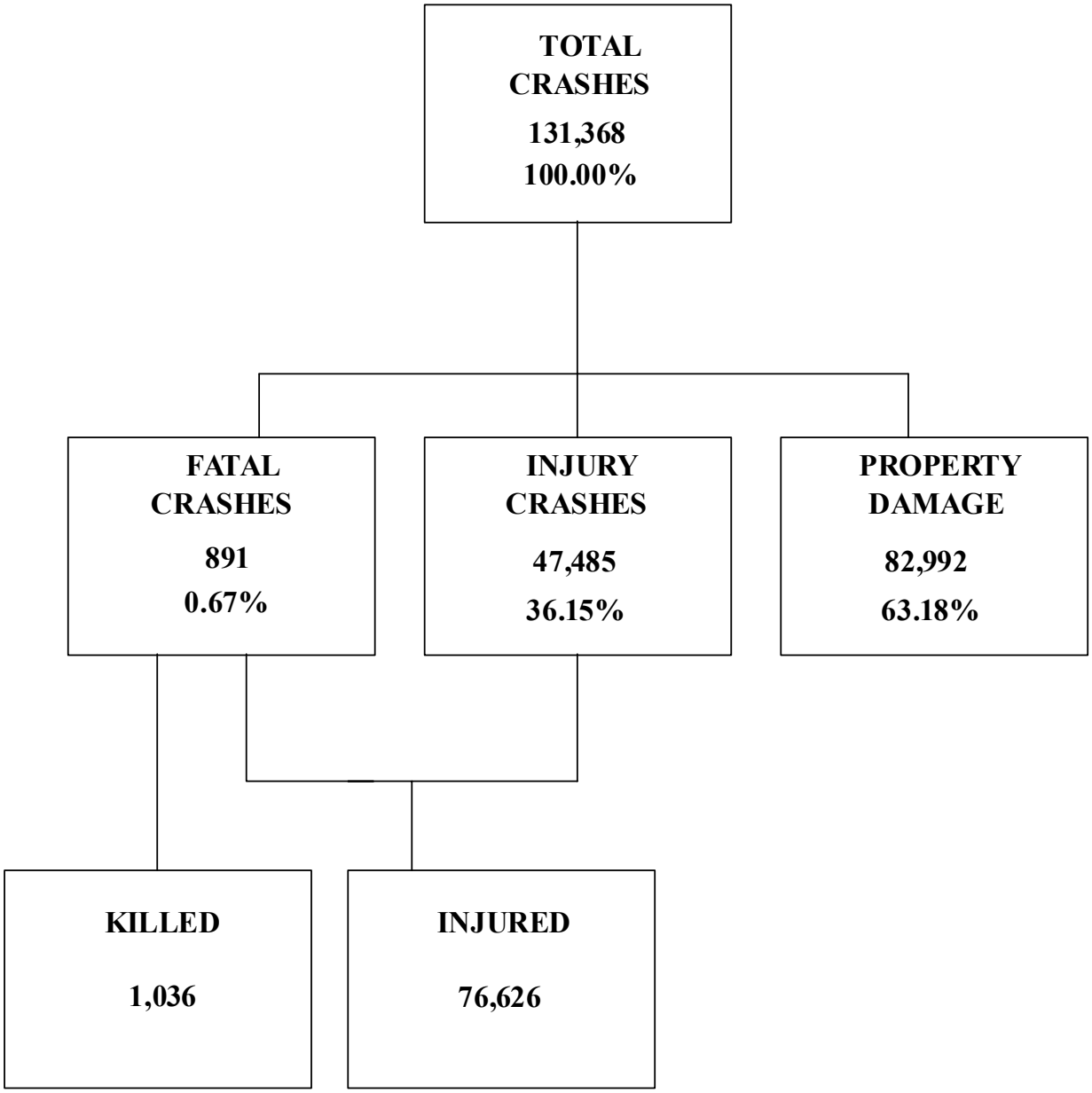
## *NOTICE*

*Some of the totals published in the Arizona Motor Vehicle Crash Facts for 2000 may be understated, and actual totals may be higher than shown. Year to year comparisons of the data reported by some jurisdictions reveal discrepancies, possibly due to incomplete reporting. In the interest of publishing this document in a timely fashion it was necessary to establish a reasonable closing date and publish the data available at that time.*

# Section 1:
# Highlights and Historical Trends



## Table 1-1
## Arizona Crash Facts

| Category | 1999 | 2000 | Pct Change |
|---|---|---|---|
| Reported crashes | 125,764 | 131,368 | +4.45% |
| Total killed | 1,024 | 1,036 | +1.17% |
| Total injured | 73,514 | 76,626 | +4.23% |
| Pedestrians killed | 148 | 137 | -7.43% |
| Pedestrians injured | 1,571 | 1,560 | -0.70% |
| Motorcyclists killed | 76 | 95 | +25.00% |
| Motorcyclists injured | 1,808 | 2,107 | +16.54% |
| Pedalcyclists killed | 26 | 25 | -3.85% |
| Pedalcyclists injured | 1,986 | 1,915 | -3.58% |
| Millions of vehicle miles traveled (VMT | 47,014 | 49,725 | +5.77% |
| Deaths per 100 million VMT | 2.18 | 2.08 | -0.05% |
| Injuries per 100 million VMT | 156.41 | 154.10 | -1.48% |

## 2000 At a Glance

⇨Approximately **2.8** persons were killed each day.

⇨One person was killed every **8.5** hours.

⇨There were **209** persons injured every day.

⇨One person was injured every **6.9** minutes.

⇨Drinking drivers were involved in **6.13%** of all crashes.

⇨Drinking drivers were involved in **25.67%** of all fatalities.

⇨Over **70.9%** of all drinking drivers involved in crashes were males.

⇨Rural crashes accounted for **19.4%** of all crashes, and over **57.9%** of all fatal crashes.

⇨**72.0%** of all crashes occurred during daylight.

⇨Motor vehicle crashes resulted in **$2.68** billion in economic losses to Arizona.

⇨Motor vehicle crashes killed **81** children and injured **6,994** children through age 14.

# The Nation In 2000

An estimated **41,821** persons were killed in motor vehicle crashes in the United States.

An estimated **3,189,000** persons were injured.

There were an estimated **6,393,409** crashes.

The population of the United States was estimated at **275,129,687.**

Estimated vehicle miles traveled totaled **2,688 billion** miles.

## Table 1-2
## Arizona Licensed Drivers, Motor Vehicle Registration and Crash History

| Calendar Year | Total Crashes | Fatal Crashes | Injury Crashes | Property Damage Crashes | Total Persons Killed | Total Persons Injured | Total Licensed Drivers | Total Registered Vehicles |
|---|---|---|---|---|---|---|---|---|
| **1986** | 99,809 | 889 | 39,651 | 59,269 | 1,007 | 62,466 | 2,186,465 | 2,387,818 |
| **1987** | 99,172 | 811 | 40,115 | 58,246 | 939 | 63,278 | 2,296,741 | 2,438,960 |
| **1988** | 96,225 | 844 | 38,853 | 56,528 | 944 | 62,232 | 2,375,763 | 2,511,115 |
| **1989** | 92,144 | 770 | 37,850 | 53,524 | 879 | 61,597 | 2,416,057 | 2,546,530 |
| **1990** | 91,121 | 784 | 37,609 | 52,728 | 869 | 60,747 | 2,480,244 | 2,822,304 |
| **1991** | 85,728 | 727 | 34,277 | 50,724 | 816 | 55,625 | 2,517,836 | 2,842,475 |
| **1992** | 89,862 | 703 | 36,024 | 53,137 | 811 | 58,496 | 2,653,409 | 2,820,431 |
| **1993** | 97,903 | 704 | 38,434 | 58,765 | 801 | 63,037 | 2,855,184 | 2,910,175 |
| **1994** | 106,728 | 796 | 41,809 | 64,123 | 906 | 68,872 | 2,631,218 | 2,786,435 |
| **1995** | 113,888 | 919 | 43,721 | 69,248 | 1,035 | 71,994 | 2,776,877 | 2,945,574 |
| **1996** | 112,964 | 858 | 43,314 | 68,792 | 995 | 71,807 | 3,127,080 | 3,187,190 |
| **1997** | 114,174 | 843 | 41,802 | 71,529 | 949 | 68,297 | 3,187,150 | 3,393,170 |
| **1998** | 120,293 | 858 | 43,348 | 76,087 | 980 | 70,828 | 3,598,325 | 3,683,891 |
| **1999** | 125,764 | 907 | 45,541 | 79,316 | 1,024 | 73,514 | 3,372,187 | 3,731,126 |
| **2000** | 131,368 | 891 | 47,485 | 82,992 | 1,036 | 76,626 | 3,529,732 | 3,983,860 |

# Table 1-3
## Historical Trends
## Arizona and the United States

| Calendar Year | U.S. Fatality Rate* | Arizona Fatality Rate* | Arizona Traffic Deaths | Estimated Motor Vehicle Miles Traveled* | AZ Fatal Crash Rate* |
|---|---|---|---|---|---|
| 1960 | 5.31 | 7.85 | 513 | 6,536 | 9.15 |
| 1965 | 5.54 | 6.60 | 550 | 8,339 | 5.80 |
| 1970 | 4.91 | 6.29 | 762 | 12,122 | 5.27 |
| 1975 | 3.46 | 4.18 | 670 | 16,031 | 3.69 |
| 1976 | 3.25 | 4.36 | 737 | 16,895 | 3.75 |
| 1977 | 3.26 | 5.15 | 933 | 18,121 | 4.43 |
| 1978 | 3.26 | 5.33 | 1,027 | 19,277 | 4.71 |
| 1979 | 3.34 | 5.25 | 1,029 | 19,584 | 4.47 |
| 1980 | 3.35 | 5.03 | 947 | 18,816 | 4.43 |
| 1981 | 3.17 | 4.93 | 916 | 18,570 | 4.47 |
| 1982 | 2.76 | 3.67 | 724 | 19,729 | 3.22 |
| 1983 | 2.58 | 3.44 | 675 | 19,611 | 3.14 |
| 1984 | 2.57 | 4.22 | 869 | 20,613 | 3.82 |
| 1985 | 2.47 | 3.07 | 893 | 29,052 | 2.69 |
| 1986 | 2.51 | 3.23 | 1,007 | 31,143 | 2.85 |
| 1987 | 2.42 | 2.96 | 939 | 31,729 | 2.56 |
| 1988 | 2.32 | 2.76 | 944 | 34,153 | 2.47 |
| 1989 | 2.16 | 2.52 | 879 | 34,816 | 2.21 |
| 1990 | 2.44 | 2.45 | 869 | 35,455 | 2.21 |
| 1991 | 1.91 | 2.34 | 816 | 34,927 | 2.08 |
| 1992 | 1.80 | 2.31 | 811 | 35,048 | 2.00 |
| 1993 | 1.80 | 2.10 | 801 | 38,067 | 1.85 |
| 1994 | 1.73 | 2.34 | 906 | 38,776 | 2.05 |
| 1995 | 1.70 | 2.62 | 1,035 | 39,566 | 2.32 |
| 1996 | 1.70 | 2.37 | 995 | 42,007 | 2.04 |
| 1997 | 1.70 | 2.18 | 949 | 43,543 | 1.99 |
| 1998 | 1.58 | 2.15 | 980 | 45,485 | 1.89 |
| 1999 | 1.55 | 2.18 | 1,024 | 47,014 | 1.90 |
| 2000 | 1.55 | 2.08 | 1,036 | 48,568 | 1.83 |

*vehicle miles traveled are shown per million miles and rates per 100 million miles

Due to refinements in the method used for the calculation of vehicle miles traveled and the use of preliminary data in some cases, the Arizona crash and fatality rates may differ slightly from previous reports. The most current data is always used at the time of publication, but it may change as new information is received.

*During 2000, an average of 114 persons died each day in motor vehicle crashes across the United States - one every 12.6 minutes.*

# Statewide Economic Loss Due to Motor Vehicle Crashes

*In 2000, the economic impact of motor vehicle crashes was **$540.70** for every man, woman, and child in the state of Arizona.*

| | |
|---|---|
| Fatalities | $ 1,036,000,000. |
| Injuries | 1,198,856,500. |
| Property Damage Only | 539,448,000. |
| **TOTAL.** | **$2,774,304,500.** |

## Table 1-4
## Estimated Economic Loss by County

| Counties | Cost of Traffic Crashes | | | |
|---|---|---|---|---|
| | Fatalities | Injuries | PDOs | Total |
| Apache | $47,000,000. | $11,660,400. | $3,861,000. | $62,521,400. |
| Cochise | 57,000,000. | 20,024,500. | 10,016,500. | 87,041,000. |
| Coconino | 61,000,000. | 31,313,700. | 22,412,000. | 114,725,700. |
| Gila | 19,000,000. | 11,460,100. | 4,381,000. | 34,841,100. |
| Graham | 13,000,000. | 4,852,600. | 1,443,000. | 19,295,600. |
| Greenlee | 3,000,000. | 1,578,400. | 429,000. | 5,007,400. |
| La Paz | 24,000,000. | 7,588,300. | 2,060,500. | 33,648,800. |
| Maricopa | 433,000,000. | 760,343,100. | 353,970,500. | 1,547,313,600. |
| Mohave | 49,000,000. | 31,162,200. | 11,323,000. | 91,485,200. |
| Navajo | 33,000,000. | 14,137,500. | 6,038,500. | 53,176,000. |
| Pima | 135,000,000. | 203,301,300. | 84,539,000. | 422,840,300. |
| Pinal | 67,000,000. | 29,514,000. | 12,480,000. | 108,994,000. |
| Santa Cruz | 3,000,000. | 4,002,800. | 2,886,000. | 9,888,800. |
| Yavapai | 62,000,000. | 31,364,900. | 15,112,500. | 108,477,400. |
| Yuma | 30,000,000. | 36,552,700. | 8,495,500. | 75,048.500. |
| **TOTALS** | **$1,036,000,000.** | **$1,198,856,500.** | **$539,448,000.** | **$2,774,304,500.** |

Cost estimates are based on the 2000 National Safety Council estimates of the average cost of motor vehicle crashes, deaths and injuries. These costs are an estimate of wage and productivity losses, medical expenses, administrative expenses, motor vehicle damage, and employer costs. Effective in 1993, new components were added and new benchmarks andinflation factors adopted. For this reason, the cost estimates for 1999 are not comparable to those published in the past. Thefollowing factors were used to approximate the value of the loss for crashes occurring in Arizona.

| | | |
|---|---|---|
| 1. | Fatality | $1,000,000. |
| 2. | Incapacitating Injury | 47,900. |
| 3. | Non-incapacitating Injury | 16,000. |
| 4. | Possible Injury | 9,100. |
| 5. | Property Damage Only | 6,500. |

*NHTSA estimates that there are 10,000,000 or more unreported crashes across the nation, and over $150 Billion in societal costs.*

# Traffic Crashes in Arizona by Year

**Figure 1-1: All Crashes**

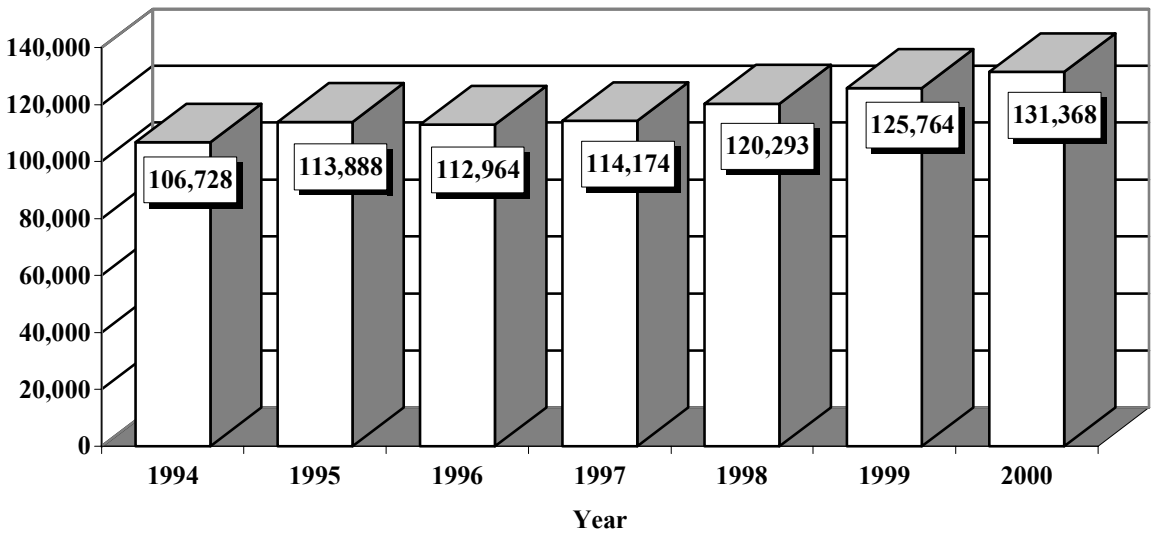



**Figure 1-2: Fatal Crashes**

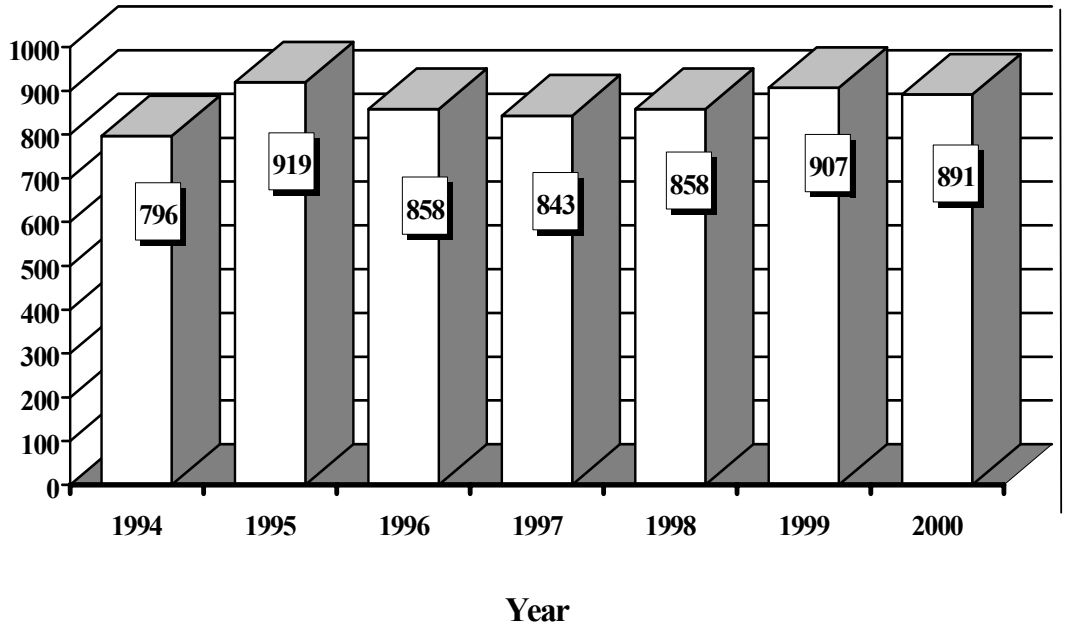


**Figure 1-3: Injury Crashes**

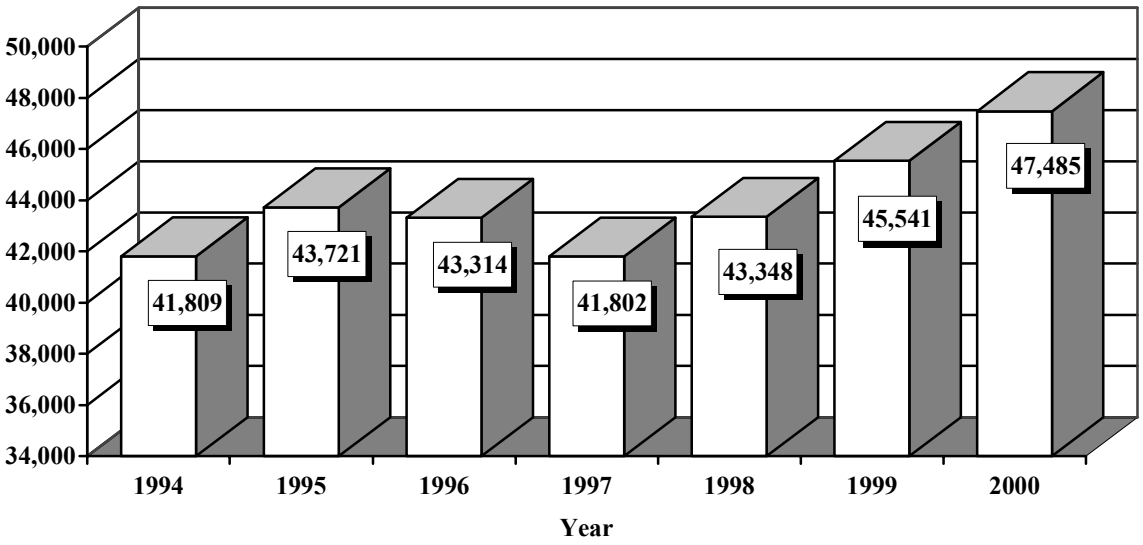
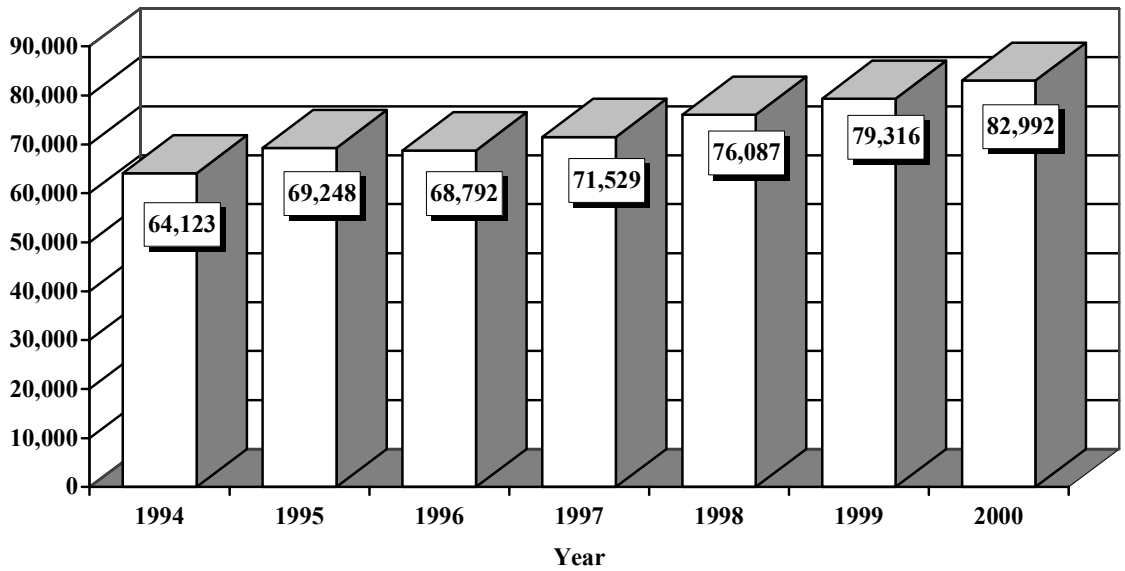



**Figure 1-4: Property Damage Only Crashes**



# Table 1-5
## Victims of Motor Vehicle Crashes*

| Age of Victim | Total Killed | Male | Female | Total Injured | Male | Female | Sex Unk. |
|---|---|---|---|---|---|---|---|
| **0 - 4** | 31 | 17 | 14 | 1,705 | 825 | 876 | 4 |
| **5 - 9** | 17 | 10 | 7 | 2,390 | 1,206 | 1,178 | 6 |
| **10 - 14** | 33 | 20 | 13 | 2,899 | 1,398 | 1,494 | 7 |
| **15 - 19** | 111 | 74 | 37 | 11,170 | 5,404 | 5,757 | 9 |
| **20 - 24** | 136 | 101 | 35 | 10,608 | 5,482 | 5,116 | 10 |
| **25 - 34** | 154 | 123 | 31 | 15,286 | 7,785 | 7,494 | 7 |
| **35 - 44** | 156 | 117 | 39 | 12,109 | 5,859 | 6,246 | 4 |
| **45 - 54** | 130 | 90 | 40 | 8,819 | 4,116 | 4,695 | 8 |
| **55 - 64** | 96 | 62 | 34 | 4,973 | 2,300 | 2,671 | 2 |
| **65 - 74** | 77 | 46 | 31 | 3,130 | 1,428 | 1,702 | 0 |
| **75 & Older** | 89 | 52 | 37 | 2,476 | 1,109 | 1,359 | 8 |
| **Age Unknown** | 6 | 5 | 1 | 1,061 | 590 | 430 | 41 |
| **Totals** | **1,036** | **717** | **319** | **76,626** | **37,502** | **39,018** | **106** |

*Includes all reported injuries and fatalities occurring on Arizona roadways.

## Arizona's Estimated Population

| | Population Percentage | Traffic Crash Fatality Percentage | Population Estimate |
|---|---|---|---|
| White | 71.61% | 52.34% | 3,674,046 |
| Hispanic | 18.77% | 25.11% | 963,020 |
| African American | 2.86% | 3.01% | 146,736 |
| Native American | 5.18% | 17.85% | 265,767 |
| Asian | 1.41% | 1.45% | 72,342 |
| Other | 0.17% | 0.24% | 8,721 |
| **2000 population** | | | **5,130,632** |

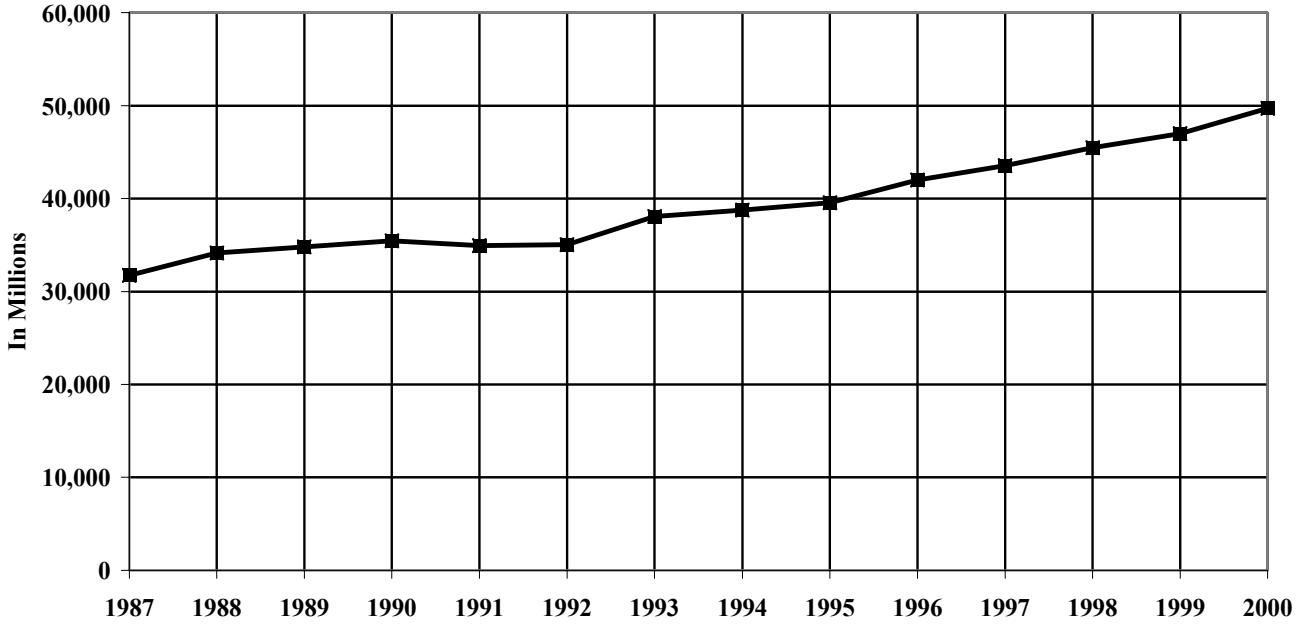
Sources: Arizona State Data Center, Arizona Department of Economic Security and The Arizona Department of Health Services, Office of Planning, Evaluation and Public Health Statistics. Population ratios are based on 2000 U.S. Census Data.

# Table 1-6
## Victims of Motor Vehicle Crashes (Arizona Residents Only)***

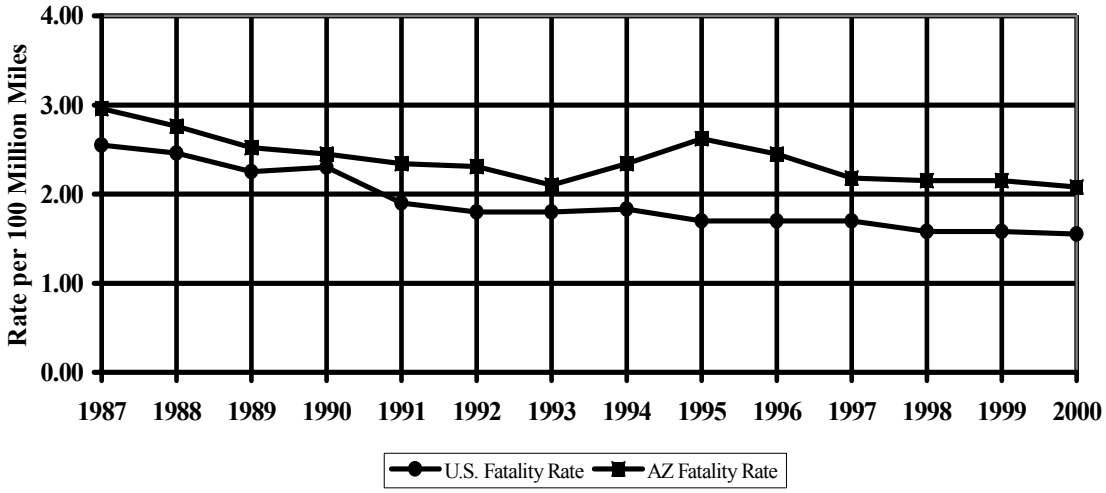
| Age of Victim | Total Killed | Male | Female | White | Hispanic | African American | Asian | Native American |
|---|---|---|---|---|---|---|---|---|
| **Less than 1** | 6 | 3 | 3 | 2 | 1 | 1 | 1 | 1 |
| **1-14** | 62 | 36 | 26 | 21 | 28 | 2 | 2 | 9 |
| **15-19** | 101 | 65 | 36 | 46 | 35 | 2 | 0 | 18 |
| **20-44** | 384 | 292 | 92 | 168 | 116 | 9 | 6 | 84 |
| **45-64** | 196 | 139 | 57 | 119 | 36 | 10 | 3 | 27 |
| **65+** | 147 | 82 | 65 | 113 | 9 | 3 | 1 | 21 |
| **Unknown** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Total** | **896** | **617** | **279** | **469** | **225** | **27** | **13** | **160** |

Source: The Arizona Department of Health Services, Office of Planning, Evaluation and Public Health Statistics
***includes victims of crashes occurring outside Arizona.

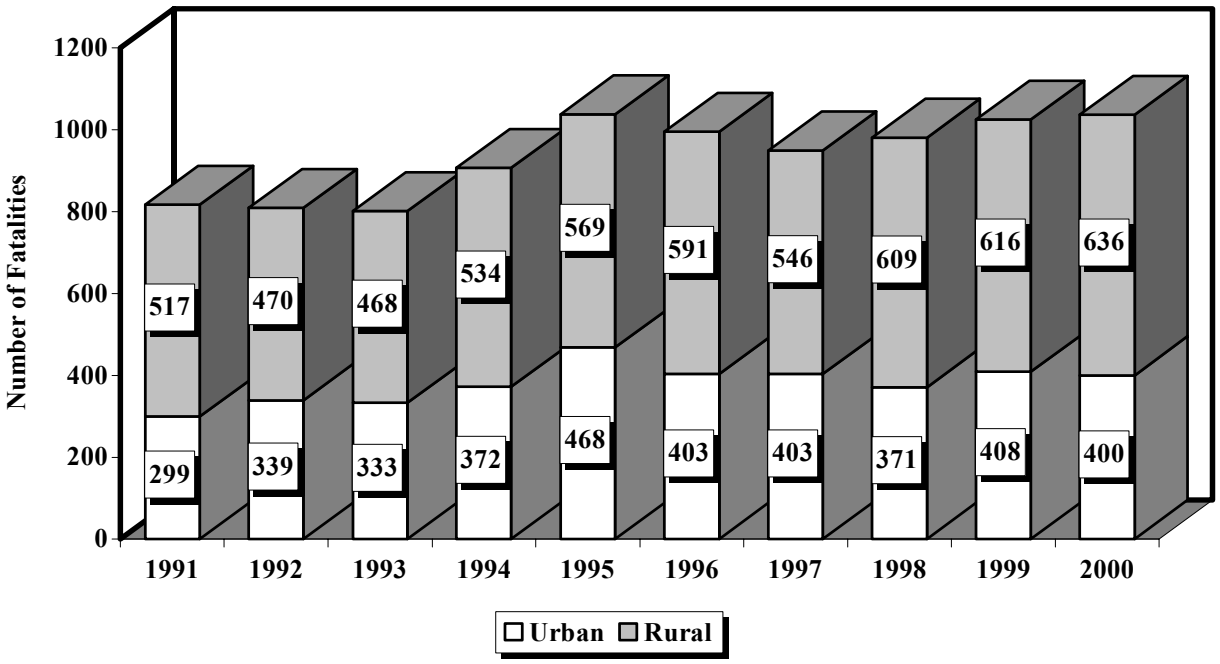
## Figure 1-5
## Vehicle Miles Traveled



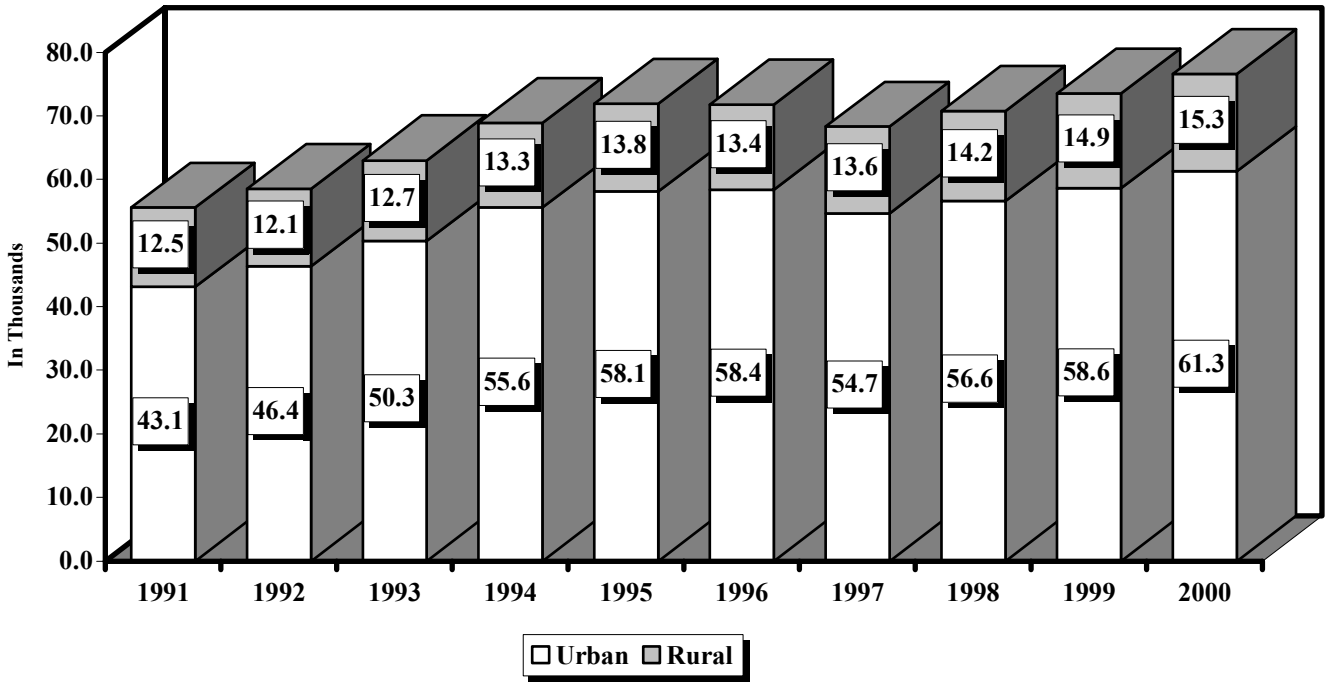

## Figure 1-6
## Arizona versus U.S. Fatality Rate



## Figure 1-7
## Traffic Fatalities by Land Use




## Figure 1-8
## Traffic Injuries by Land Use



# Table 1-7
# Holiday Crash Statistics

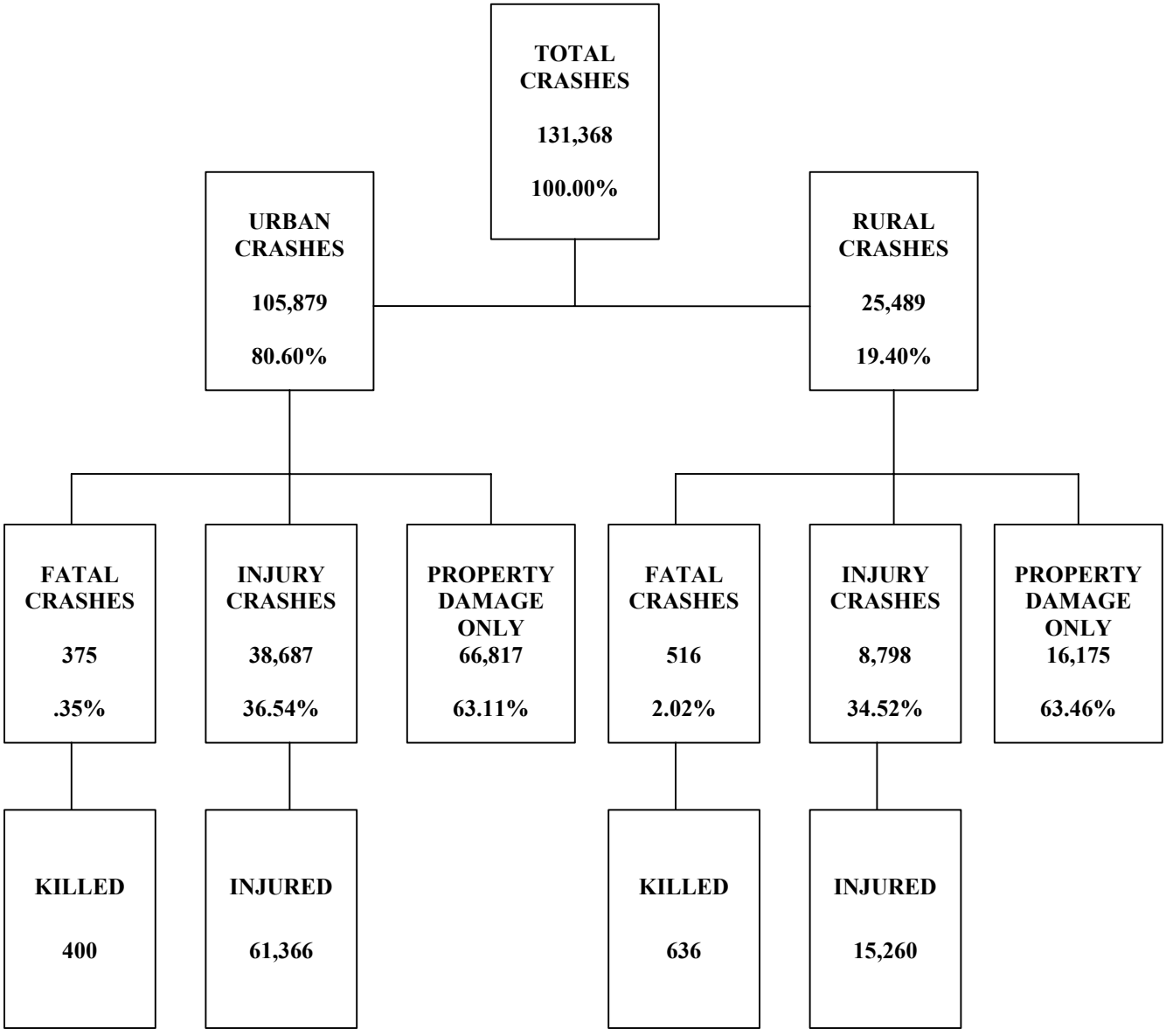
Holidays such as Memorial Day, Labor Day, and Thanksgiving are regarded as a 3 or 4 day weekend holiday for statistical purposes. Holidays such as Christmas, New Years, and the Fourth of July are celebrated on specific dates; which also make the holiday period range from two to five days in length.

Holiday fatality statistics are based on fatal crashes occurring between 6:00 p.m. on the last working day prior to the holiday and 6:00 a.m. the day following the holiday period. Example: Thanksgiving fatalities are counted from Wednesday evening at 6:00 p.m. through 6:00 a.m. of the following Monday.

| 2000 Holidays | Beginning at 6 p.m. | Ending at 6:00 a.m. | Number of Days | Fatal Crashes | Persons Killed | Alcohol-Related Crashes | Alcohol-Related Fatalities |
|---|---|---|---|---|---|---|---|
| **New Years** | Thursday 12/30/99 | Monday 1/3/00 | 3 | 10 | 11 | 4 | 4 |
| **Memorial Day** | Friday 5/26/00 | Tuesday 5/30/00 | 3 | 11 | 16 | 4 | 8 |
| **July 4th** | Friday 6/30/00 | Wednesday 7/5/00 | 4 | 17 | 21 | 5 | 6 |
| **Labor Day** | Friday 9/01/00 | Tuesday 9/5/00 | 3 | 16 | 19 | 4 | 6 |
| **Thanksgiving Day** | Wednesday 11/22/00 | Monday 11/27/00 | 4 | 19 | 24 | 6 | 9 |
| **Christmas** | Friday 12/22/00 | Tuesday 12/26/00 | 3 | 10 | 12 | 0 | 0 |

| Fatal Crashes by Year | New Years | Memorial Day | July 4th | Labor Day | Thanks-giving | Christmas | Total |
|---|---|---|---|---|---|---|---|
| 1996 | 14 | 5 | 9 | 8 | 13 | 1 | 50 |
| 1997 | 3 | 9 | 9 | 4 | 22 | 11 | 65 |
| 1998 | 10 | 10 | 6 | 3 | 13 | 10 | 52 |
| 1999 | 6 | 13 | 5 | 13 | 13 | 5 | 49 |
| 2000 | 10 | 11 | 17 | 16 | 19 | 10 | 80 |
| **Persons Killed** | **New Years** | **Memorial Day** | **July 4th** | **Labor Day** | **Thanks-Giving** | **Christmas** | **Total** |
| 1996 | 16 | 6 | 14 | 8 | 16 | 1 | 61 |
| 1997 | 3 | 12 | 10 | 4 | 23 | 17 | 82 |
| 1998 | 10 | 13 | 7 | 3 | 14 | 13 | 60 |
| 1999 | 7 | 16 | 7 | 13 | 14 | 9 | 58 |
| 2000 | 11 | 16 | 21 | 19 | 24 | 12 | 99 |
| **Number of Days** | **New Years** | **Memorial Day** | **July 4th** | **Labor Day** | **Thanks-giving** | **Christmas** | **Total** |
| 1996 | 3 | 3 | 4 | 3 | 4 | 1 | 18 |
| 1997 | 1 | 3 | 3 | 3 | 4 | 4 | 18 |
| 1998 | 4 | 3 | 3 | 3 | 4 | 3 | 20 |
| 1999 | 3 | 3 | 3 | 3 | 4 | 2 | 18 |
| 2000 | 3 | 3 | 4 | 3 | 4 | 3 | 20 |

# Section 2:
# Geographic Location



# Tables 2-1, 2-2, and 2-3
# Severity by First Harmful Event Statewide

| Statewide | Number of Crashes | | | | Number of Persons | |
|---|---|---|---|---|---|---|
| | Total | Fatal | Injury | PDO | Killed | Injured |
| **Overturning** | 2,847 | 198 | 1,533 | 1,116 | 236 | 2,901 |
| **Other Non-Collision** | 4,181 | 18 | 477 | 3,686 | 20 | 605 |
| **Pedestrian** | 1,654 | 130 | 1,441 | 83 | 132 | 1,560 |
| **Motor Veh. In Transit** | 101,608 | 368 | 36,761 | 64,479 | 446 | 62,340 |
| **Motor Veh. Other Roadway** | 15 | 5 | 8 | 2 | 7 | 28 |
| **Pedalcyclist** | 2,200 | 25 | 1,876 | 299 | 25 | 1,915 |
| **Animal** | 1,671 | 2 | 221 | 1,448 | 2 | 280 |
| **Fixed Object** | 13,153 | 118 | 4,169 | 8,866 | 140 | 5,700 |
| **Other Object** | 132 | 2 | 13 | 117 | 2 | 15 |
| **Misc.** | 3,907 | 25 | 986 | 2,896 | 26 | 1,282 |
| **TOTALS** | **131,368** | **891** | **47,485** | **82,992** | **1,036** | **76,626** |

# Severity by First Harmful Event in Urban Areas

| Urban | Number of Crashes | | | | Number of Persons | |
|---|---|---|---|---|---|---|
| | Total | Fatal | Injury | PDO | Killed | Injured |
| **Overturning** | 407 | 21 | 214 | 172 | 22 | 351 |
| **Other Non-Collision** | 3,686 | 6 | 418 | 3,262 | 7 | 517 |
| **Pedestrian** | 1,502 | 100 | 1,327 | 75 | 102 | 1,435 |
| **Motor Veh. In Transit** | 88,105 | 183 | 31,989 | 55,933 | 203 | 53,499 |
| **Motor Veh. Other Roadway** | 2 | 0 | 2 | 0 | 0 | 3 |
| **Pedalcyclist** | 2,041 | 19 | 1,746 | 276 | 19 | 1,781 |
| **Animal** | 152 | 0 | 22 | 130 | 0 | 26 |
| **Fixed Object** | 8,252 | 38 | 2,474 | 5,740 | 39 | 3,182 |
| **Other Object** | 32 | 0 | 5 | 27 | 0 | 5 |
| **Misc.** | 1,700 | 8 | 490 | 1,202 | 8 | 567 |
| **TOTALS** | **105,879** | **375** | **38,687** | **66,817** | **400** | **61,366** |

# Severity by First Harmful Event in Rural Areas

| Rural | Number of Crashes | | | | Number of Persons | |
|---|---|---|---|---|---|---|
| | Total | Fatal | Injury | PDO | Killed | Injured |
| **Overturning** | 2,440 | 177 | 1,319 | 944 | 214 | 2,550 |
| **Other Non-Collision** | 495 | 12 | 59 | 424 | 13 | 88 |
| **Pedestrian** | 152 | 30 | 114 | 8 | 30 | 125 |
| **Motor Veh. In Transit** | 13,503 | 185 | 4,772 | 8,546 | 243 | 8,841 |
| **Motor Veh. Other Roadway** | 13 | 5 | 6 | 2 | 7 | 25 |
| **Pedalcyclist** | 159 | 6 | 130 | 23 | 6 | 134 |
| **Animal** | 1,519 | 2 | 199 | 1,318 | 2 | 254 |
| **Fixed Object** | 4,901 | 80 | 1,695 | 3,126 | 101 | 2,518 |
| **Other Object** | 100 | 2 | 8 | 90 | 2 | 10 |
| **Misc.** | 2,207 | 17 | 496 | 1,694 | 18 | 715 |
| **TOTALS** | **25,489** | **516** | **8,798** | **16,175** | **636** | **15,260** |

## Section 2: Geographic Location

### Table 2-4
### Crashes by County

| County | Number of Crashes | | | | Number of Persons | |
|---|---|---|---|---|---|---|
| | Total | Fatal | Injury | PDOs | Fatalities | Injuries |
| **Apache** | 960 | 34 | 332 | 594 | 47 | 702 |
| **Cochise** | 2,255 | 36 | 678 | 1,541 | 57 | 1,155 |
| **Coconino** | 4,675 | 43 | 1,184 | 3,448 | 61 | 1,942 |
| **Gila** | 1,084 | 17 | 393 | 674 | 19 | 658 |
| **Graham** | 376 | 8 | 146 | 222 | 13 | 272 |
| **Greenlee** | 115 | 3 | 46 | 66 | 3 | 84 |
| **La Paz** | 515 | 17 | 181 | 317 | 24 | 358 |
| **Maricopa** | 86,688 | 394 | 31,837 | 54,457 | 433 | 50,883 |
| **Mohave** | 2,830 | 44 | 1,044 | 1,742 | 49 | 1,682 |
| **Navajo** | 1,401 | 27 | 445 | 929 | 33 | 817 |
| **Pima** | 21,073 | 121 | 7,946 | 13,006 | 135 | 12,805 |
| **Pinal** | 2,912 | 64 | 928 | 1,920 | 67 | 1,591 |
| **Santa Cruz** | 618 | 3 | 171 | 444 | 3 | 262 |
| **Yavapai** | 3,520 | 53 | 1,142 | 2,325 | 62 | 1,810 |
| **Yuma** | 2,346 | 27 | 1,012 | 1,307 | 30 | 1,605 |
| **Total** | **131,368** | **891** | **47,485** | **82,992** | **1,036** | **76,626** |

*While rural crashes in Arizona accounted for only 19.4% of all crashes, they were responsible for 57.9% of all fatal crashes occurring in 2000.*

### Table 2-5
### Analysis by Jurisdiction

| COUNTIES Cities | Total | Number of Crashes | | | No. of Persons | | Alcohol-Related | | |
|---|---|---|---|---|---|---|---|---|---|
| | | Fatal | Injury | Property Damage | Killed | Injured | Crashes | Killed | Injured |
| **APACHE COUNTY** | | | | | | | | | |
| Eagar | 44 | 0 | 7 | 37 | 0 | 9 | 3 | 0 | 2 |
| St. Johns | 25 | 0 | 0 | 25 | 0 | 0 | 0 | 0 | 0 |
| Springerville | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Ft. Apache Reserv. | 18 | 1 | 5 | 12 | 1 | 13 | 0 | 0 | 0 |
| Navajo Reservation | 370 | 19 | 136 | 215 | 26 | 328 | 56 | 2 | 70 |
| State Rural Roads | 358 | 10 | 131 | 217 | 14 | 247 | 34 | 1 | 41 |
| Other Rural Roads | 144 | 4 | 53 | 87 | 6 | 105 | 33 | 4 | 39 |
| **TOTAL** | 960 | 34 | 332 | 594 | 47 | 702 | 126 | 7 | 152 |

| COUNTIES Cities | Total | Number of Crashes | | | No. of Persons | | Alcohol-Related | | |
|---|---|---|---|---|---|---|---|---|---|
| | | Fatal | Injury | Property Damage | Killed | Injured | Crashes | Killed | Injured |
| **COCHISE COUNTY** | | | | | | | | | |
| Benson | 36 | 0 | 9 | 27 | 0 | 12 | 2 | 0 | 2 |
| Bisbee | 48 | 1 | 19 | 28 | 2 | 33 | 5 | 0 | 3 |
| Douglas | 321 | 1 | 59 | 261 | 1 | 84 | 22 | 0 | 11 |
| Huachuca City | 7 | 1 | 1 | 5 | 1 | 3 | 1 | 0 | 0 |
| Sierra Vista | 775 | 2 | 271 | 502 | 2 | 404 | 31 | 0 | 23 |
| Tombstone | 19 | 0 | 4 | 15 | 0 | 7 | 3 | 0 | 1 |
| Willcox | 39 | 0 | 12 | 27 | 0 | 19 | 3 | 0 | 2 |
| State Rural Roads | 717 | 23 | 222 | 472 | 39 | 439 | 49 | 7 | 59 |
| Other Rural Roads | 293 | 8 | 81 | 204 | 12 | 154 | 31 | 6 | 21 |
| **TOTAL** | **2,255** | **36** | **678** | **1,541** | **57** | **1,155** | **147** | **13** | **122** |
| **COCONINO COUNTY** | | | | | | | | | |
| Flagstaff | 2,480 | 7 | 512 | 1,961 | 7 | 737 | 100 | 0 | 72 |
| Fredonia | 3 | 0 | 2 | 1 | 0 | 2 | 0 | 0 | 0 |
| Page | 123 | 2 | 36 | 85 | 5 | 57 | 9 | 0 | 8 |
| Sedona | 301 | 2 | 81 | 218 | 2 | 126 | 26 | 0 | 25 |
| Williams | 53 | 2 | 8 | 43 | 2 | 12 | 2 | 0 | 1 |
| Hualapai Reservation | 1 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 |
| Navajo Reservation | 101 | 3 | 38 | 60 | 6 | 97 | 12 | 5 | 15 |
| State Rural Roads | 1,475 | 23 | 461 | 991 | 35 | 832 | 65 | 2 | 69 |
| Other Rural Roads | 138 | 4 | 45 | 89 | 4 | 77 | 19 | 0 | 15 |
| **TOTAL** | **4,675** | **43** | **1,184** | **3,448** | **61** | **1,942** | **233** | **7** | **205** |
| **GILA COUNTY** | | | | | | | | | |
| Globe | 141 | 0 | 53 | 88 | 0 | 98 | 5 | 0 | 4 |
| Hayden | 5 | 1 | 0 | 4 | 1 | 1 | 1 | 0 | 0 |
| Miami | 24 | 0 | 6 | 18 | 0 | 8 | 2 | 0 | 2 |
| Payson | 139 | 0 | 51 | 88 | 0 | 85 | 7 | 0 | 6 |
| Winkelman | 2 | 0 | 1 | 1 | 0 | 3 | 0 | 0 | 0 |
| Ft. Apache Reserv. | 42 | 1 | 18 | 23 | 1 | 30 | 6 | 1 | 6 |
| San Carlos Reserv. | 31 | 5 | 9 | 17 | 5 | 16 | 5 | 3 | 8 |
| State Rural Roads | 542 | 9 | 205 | 328 | 11 | 335 | 42 | 3 | 44 |
| Other Rural Roads | 158 | 1 | 50 | 107 | 1 | 82 | 16 | 1 | 5 |
| **TOTAL** | **1,084** | **17** | **393** | **674** | **19** | **658** | **84** | **8** | **75** |
| **GRAHAM COUNTY** | | | | | | | | | |
| Pima | 14 | 0 | 7 | 7 | 0 | 11 | 2 | 0 | 2 |
| Safford | 113 | 0 | 43 | 70 | 0 | 71 | 13 | 0 | 5 |
| Thatcher | 48 | 0 | 19 | 29 | 0 | 31 | 4 | 0 | 2 |
| San Carlos Reserv. | 5 | 4 | 0 | 1 | 4 | 10 | 1 | 1 | 1 |
| State Rural Roads | 117 | 1 | 42 | 74 | 3 | 83 | 22 | 0 | 30 |
| Other Rural Roads | 79 | 3 | 35 | 41 | 6 | 66 | 6 | 0 | 5 |
| **TOTAL** | **376** | **8** | **146** | **222** | **13** | **272** | **48** | **1** | **45** |

## Section 2: Geographic Location

| COUNTIES Cities | Total | Number of Crashes | | | No. of Persons | | Alcohol-Related | | |
|---|---|---|---|---|---|---|---|---|---|
| | | Fatal | Injury | Property Damage | Killed | Injured | Crashes | Killed | Injured |
| **GREENLEE COUNTY** | | | | | | | | | |
| Clifton | 30 | 0 | 8 | 22 | 0 | 9 | 4 | 0 | 1 |
| Duncan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| State Rural Roads | 84 | 3 | 38 | 43 | 3 | 75 | 16 | 2 | 22 |
| Other Rural Roads | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| **TOTAL** | **115** | **3** | **46** | **66** | **3** | **84** | **20** | **2** | **23** |
| **LA PAZ COUNTY** | | | | | | | | | |
| Parker | 16 | 0 | 2 | 14 | 0 | 2 | 2 | 0 | 0 |
| Quartzite | 38 | 0 | 10 | 28 | 0 | 13 | 6 | 0 | 3 |
| Colo. River Resv. | 50 | 0 | 17 | 33 | 0 | 28 | 2 | 0 | 1 |
| State Rural Roads | 373 | 17 | 136 | 220 | 24 | 289 | 30 | 3 | 27 |
| Other Rural Roads | 38 | 0 | 16 | 22 | 0 | 26 | 6 | 0 | 2 |
| **TOTAL** | **515** | **17** | **181** | **317** | **24** | **358** | **46** | **3** | **33** |
| **MARICOPA COUNTY** | | | | | | | | | |
| Avondale | 473 | 0 | 128 | 345 | 0 | 206 | 26 | 0 | 23 |
| Buckeye | 6 | 2 | 1 | 3 | 2 | 2 | 1 | 1 | 1 |
| Carefree | 9 | 0 | 2 | 7 | 0 | 2 | 1 | 0 | 1 |
| Cave Creek | 10 | 0 | 2 | 8 | 0 | 2 | 1 | 0 | 0 |
| Chandler | 3,056 | 4 | 994 | 2,058 | 4 | 1,571 | 157 | 1 | 120 |
| El Mirage | 114 | 3 | 47 | 64 | 3 | 97 | 8 | 0 | 19 |
| Fountain Hills | 69 | 0 | 26 | 43 | 0 | 33 | 6 | 0 | 1 |
| Ft. McDowell Resv | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Gila Bend | 18 | 0 | 4 | 14 | 0 | 7 | 2 | 0 | 1 |
| Gila River Reserv | 104 | 5 | 42 | 57 | 9 | 80 | 14 | 3 | 9 |
| Gilbert | 1,352 | 7 | 419 | 926 | 7 | 624 | 87 | 1 | 60 |
| Glendale | 4,997 | 27 | 1,702 | 3,268 | 27 | 2,806 | 246 | 6 | 239 |
| Goodyear | 249 | 4 | 89 | 156 | 5 | 148 | 24 | 3 | 26 |
| Guadalupe | 35 | 0 | 10 | 25 | 0 | 12 | 3 | 0 | 2 |
| Mesa | 11,019 | 30 | 3,558 | 7,431 | 33 | 5,475 | 488 | 11 | 377 |
| Paradise Valley | 239 | 0 | 72 | 167 | 0 | 111 | 12 | 0 | 5 |
| Peoria | 1,554 | 1 | 517 | 1,036 | 1 | 807 | 85 | 1 | 84 |
| Phoenix | 44,146 | 168 | 17,544 | 26,434 | 177 | 28,410 | 2,738 | 54 | 2,526 |
| Salt River Reserv | 511 | 6 | 150 | 355 | 6 | 212 | 45 | 4 | 32 |
| Scottsdale | 4,555 | 19 | 1,689 | 2,847 | 21 | 2,596 | 305 | 3 | 225 |
| Surprise | 244 | 3 | 90 | 151 | 3 | 158 | 12 | 0 | 10 |
| Tempe | 8,453 | 16 | 2,784 | 5,653 | 18 | 4,168 | 469 | 7 | 391 |
| Tolleson | 125 | 0 | 48 | 77 | 0 | 69 | 7 | 0 | 3 |
| Wickenburg | 97 | 2 | 21 | 74 | 2 | 32 | 4 | 1 | 1 |
| State Rural Roads | 2,244 | 45 | 797 | 1,402 | 57 | 1,405 | 141 | 16 | 137 |
| Other Rural Roads | 3,009 | 52 | 1,101 | 1,856 | 58 | 1,850 | 232 | 24 | 221 |
| **TOTAL** | **86,688** | **394** | **31,837** | **54,457** | **433** | **50,883** | **5,114** | **136** | **4,514** |

| COUNTIES Cities | Total | Number of Crashes | | | No. of Persons | | Alcohol-Related | | |
|---|---|---|---|---|---|---|---|---|---|
| | | Fatal | Injury | Property Damage | Killed | Injured | Crashes | Killed | Injured |
| **MOHAVE COUNTY** | | | | | | | | | |
| Bullhead City | 673 | 4 | 223 | 446 | 4 | 342 | 60 | 1 | 48 |
| Colorado City | 17 | 0 | 9 | 8 | 0 | 10 | 0 | 0 | 0 |
| Hualapai Reserv. | 24 | 1 | 13 | 10 | 2 | 26 | 8 | 0 | 14 |
| Kaibab-Paiute Resv. | 7 | 1 | 2 | 4 | 1 | 5 | 0 | 0 | 0 |
| Kingman | 400 | 1 | 135 | 264 | 1 | 204 | 25 | 0 | 17 |
| Lake Havasu City | 525 | 6 | 220 | 299 | 6 | 322 | 51 | 3 | 34 |
| State Rural Roads | 830 | 23 | 319 | 488 | 26 | 600 | 80 | 5 | 99 |
| Other Rural Roads | 354 | 8 | 123 | 223 | 9 | 173 | 63 | 4 | 44 |
| **TOTAL** | **2,830** | **44** | **1,044** | **1,742** | **49** | **1,682** | **287** | **13** | **256** |
| **NAVAJO COUNTY** | | | | | | | | | |
| Holbrook | 83 | 1 | 24 | 58 | 1 | 36 | 7 | 0 | 3 |
| Ft. Apache Reserv. | 53 | 1 | 22 | 30 | 1 | 47 | 5 | 0 | 9 |
| Hopi Reservation | 8 | 1 | 2 | 5 | 1 | 4 | 1 | 0 | 0 |
| Navajo Reservation | 128 | 4 | 48 | 76 | 4 | 109 | 13 | 1 | 17 |
| Pinetop-Lakeside | 96 | 0 | 30 | 66 | 0 | 51 | 5 | 0 | 6 |
| Show Low | 133 | 0 | 55 | 78 | 0 | 97 | 6 | 0 | 3 |
| Snowflake | 80 | 1 | 12 | 67 | 1 | 30 | 6 | 0 | 8 |
| Taylor | 6 | 0 | 3 | 3 | 0 | 9 | 0 | 0 | 0 |
| Winslow | 162 | 1 | 29 | 132 | 1 | 43 | 14 | 0 | 8 |
| State Rural Roads | 479 | 16 | 163 | 300 | 22 | 298 | 32 | 9 | 41 |
| Other Rural Roads | 173 | 2 | 57 | 114 | 2 | 93 | 27 | 1 | 31 |
| **TOTAL** | **1,401** | **27** | **445** | **929** | **33** | **817** | **116** | **11** | **126** |
| **PIMA COUNTY** | | | | | | | | | |
| Marana | 545 | 1 | 168 | 376 | 1 | 257 | 15 | 0 | 12 |
| Oro Valley | 263 | 2 | 58 | 203 | 2 | 91 | 11 | 0 | 6 |
| Papago Reservation | 237 | 8 | 78 | 151 | 11 | 190 | 46 | 3 | 51 |
| San Xavier Reserv, | 68 | 1 | 27 | 40 | 1 | 34 | 6 | 1 | 1 |
| Sahuarita | 40 | 0 | 9 | 31 | 0 | 18 | 0 | 0 | 0 |
| South Tucson | 181 | 0 | 70 | 111 | 0 | 98 | 15 | 0 | 13 |
| Tucson | 14,822 | 52 | 5,783 | 8,987 | 57 | 9,212 | 747 | 7 | 608 |
| State Rural Roads | 1,373 | 29 | 438 | 906 | 34 | 757 | 87 | 1 | 88 |
| Other Rural Roads | 3,544 | 28 | 1,315 | 2,201 | 29 | 2,148 | 233 | 8 | 202 |
| **TOTAL** | **21,073** | **121** | **7,946** | **13,006** | **135** | **12,805** | **1,160** | **20** | **981** |
| **PINAL COUNTY** | | | | | | | | | |
| Apache Junction | 331 | 3 | 100 | 228 | 3 | 152 | 23 | 1 | 20 |
| Casa Grande | 661 | 2 | 186 | 473 | 3 | 293 | 28 | 1 | 18 |
| Coolidge | 82 | 0 | 26 | 56 | 0 | 33 | 4 | 0 | 2 |
| Eloy | 83 | 2 | 22 | 59 | 2 | 36 | 10 | 2 | 4 |
| Florence | 60 | 1 | 11 | 48 | 1 | 23 | 3 | 0 | 0 |
| Gila River Reserv. | 212 | 9 | 79 | 124 | 9 | 139 | 19 | 2 | 17 |
| Kearny | 4 | 0 | 2 | 2 | 0 | 3 | 0 | 0 | 0 |
| Mammoth | 9 | 0 | 3 | 6 | 0 | 4 | 0 | 0 | 0 |
| Superior | 21 | 0 | 3 | 18 | 0 | 7 | 2 | 0 | 4 |
| State Rural Roads | 951 | 33 | 343 | 575 | 34 | 635 | 61 | 7 | 54 |
| Other Rural Roads | 498 | 14 | 153 | 331 | 15 | 266 | 68 | 9 | 77 |
| **TOTAL** | **2,912** | **64** | **928** | **1,920** | **67** | **1,591** | **218** | **22** | **196** |

## Section 2: Geographic Location

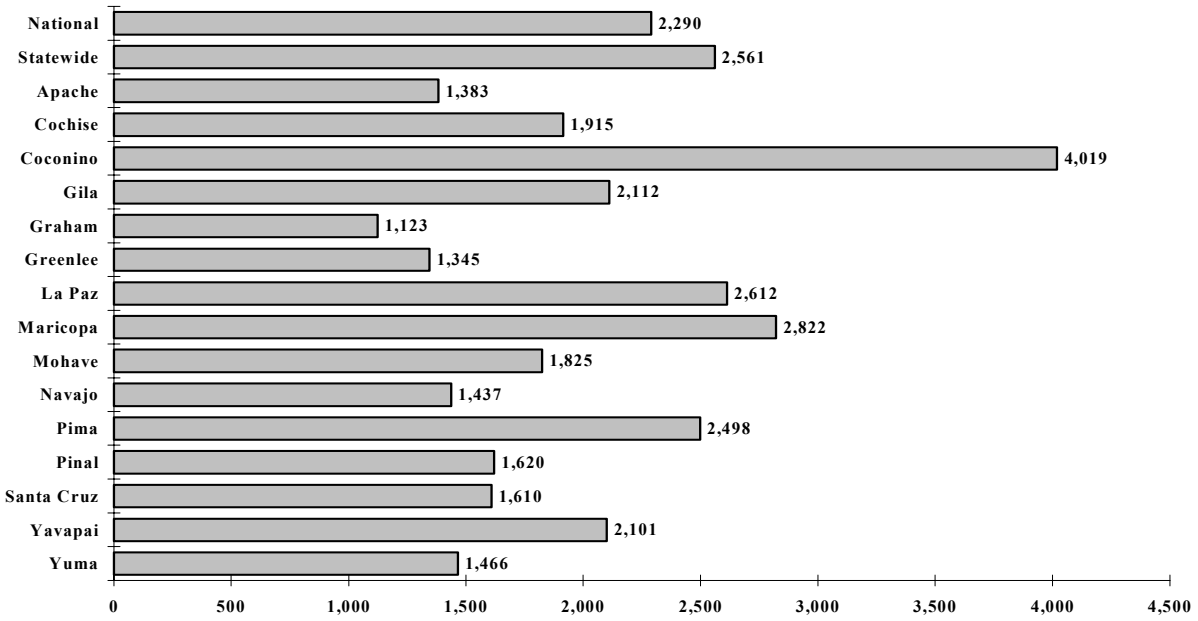
*About 59.9% of Arizona's population resides in Maricopa county, but only 44.2% of all fatal crashes occurred there in 2000.*

| COUNTIES Cities | Total | Number of Crashes | | | No. of Persons | | Alcohol-Related | | |
|---|---|---|---|---|---|---|---|---|---|
| | | Fatal | Injury | Property Damage | Killed | Injured | Crashes | Killed | Injured |
| **SANTA CRUZ COUNTY** | | | | | | | | | |
| Nogales | 411 | 1 | 95 | 315 | 1 | 138 | 24 | 0 | 10 |
| Rio Rico | 3 | 0 | 2 | 1 | 0 | 3 | 1 | 0 | 1 |
| State Rural Roads | 201 | 1 | 74 | 126 | 1 | 121 | 17 | 0 | 18 |
| Other Rural Roads | 3 | 1 | 0 | 2 | 1 | 0 | 1 | 0 | 0 |
| **TOTAL** | **618** | **3** | **171** | **444** | **3** | **262** | **43** | **0** | **29** |
| **YAVAPAI COUNTY** | | | | | | | | | |
| Camp Verde | 89 | 0 | 16 | 73 | 0 | 23 | 7 | 0 | 3 |
| Chino Valley | 83 | 3 | 31 | 49 | 3 | 50 | 7 | 1 | 6 |
| Cottonwood | 196 | 1 | 83 | 112 | 1 | 124 | 15 | 0 | 18 |
| Jerome | 10 | 0 | 4 | 6 | 0 | 5 | 1 | 0 | 2 |
| Prescott | 883 | 2 | 267 | 614 | 2 | 399 | 65 | 0 | 49 |
| Prescott Valley | 357 | 2 | 109 | 246 | 2 | 157 | 20 | 0 | 10 |
| State Rural Roads | 1,524 | 38 | 496 | 990 | 45 | 837 | 80 | 8 | 81 |
| Other Rural Roads | 378 | 7 | 136 | 235 | 9 | 215 | 54 | 4 | 40 |
| **TOTAL** | **3,520** | **53** | **1,142** | **2,325** | **62** | **1,810** | **249** | **13** | **209** |
| **YUMA COUNTY** | | | | | | | | | |
| San Luis | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Somerton | 16 | 0 | 2 | 14 | 0 | 2 | 1 | 0 | 1 |
| Wellton | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Yuma | 1,489 | 3 | 713 | 773 | 4 | 1,136 | 91 | 0 | 71 |
| State Rural Roads | 353 | 14 | 132 | 207 | 14 | 218 | 22 | 3 | 20 |
| Other Rural Roads | 487 | 10 | 165 | 312 | 12 | 249 | 43 | 7 | 29 |
| **TOTAL** | **2,346** | **27** | **1,012** | **1,307** | **30** | **1,605** | **157** | **10** | **121** |
| **STATEWIDE TOTAL** | **131,368** | **891** | **47,485** | **82,992** | **1,036** | **76,626** | **8,048** | **266** | **7,087** |

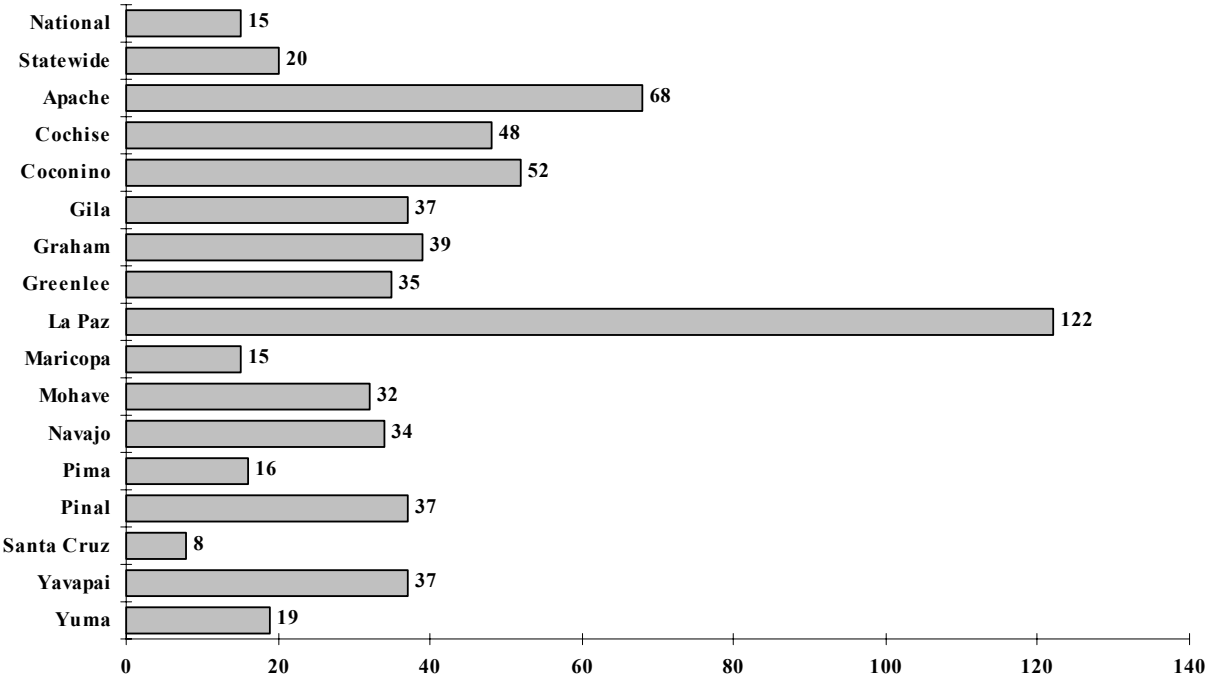
**Some individual city data is incomplete due to lack of timely reporting.**
**Totals within city and town jurisdictions include all State Highways**

*During 2000, across the nation, total police-reported crashes increased 4.5 percent while vehicle miles traveled (VMT) increased by 3.3 percent since 1999.*

## Figure 2-1
## Crash Rate per 100,000 People




## Figure 2-2
## Fatality Rate per 100,000 People



# Table 2-6
# The State Highway System*

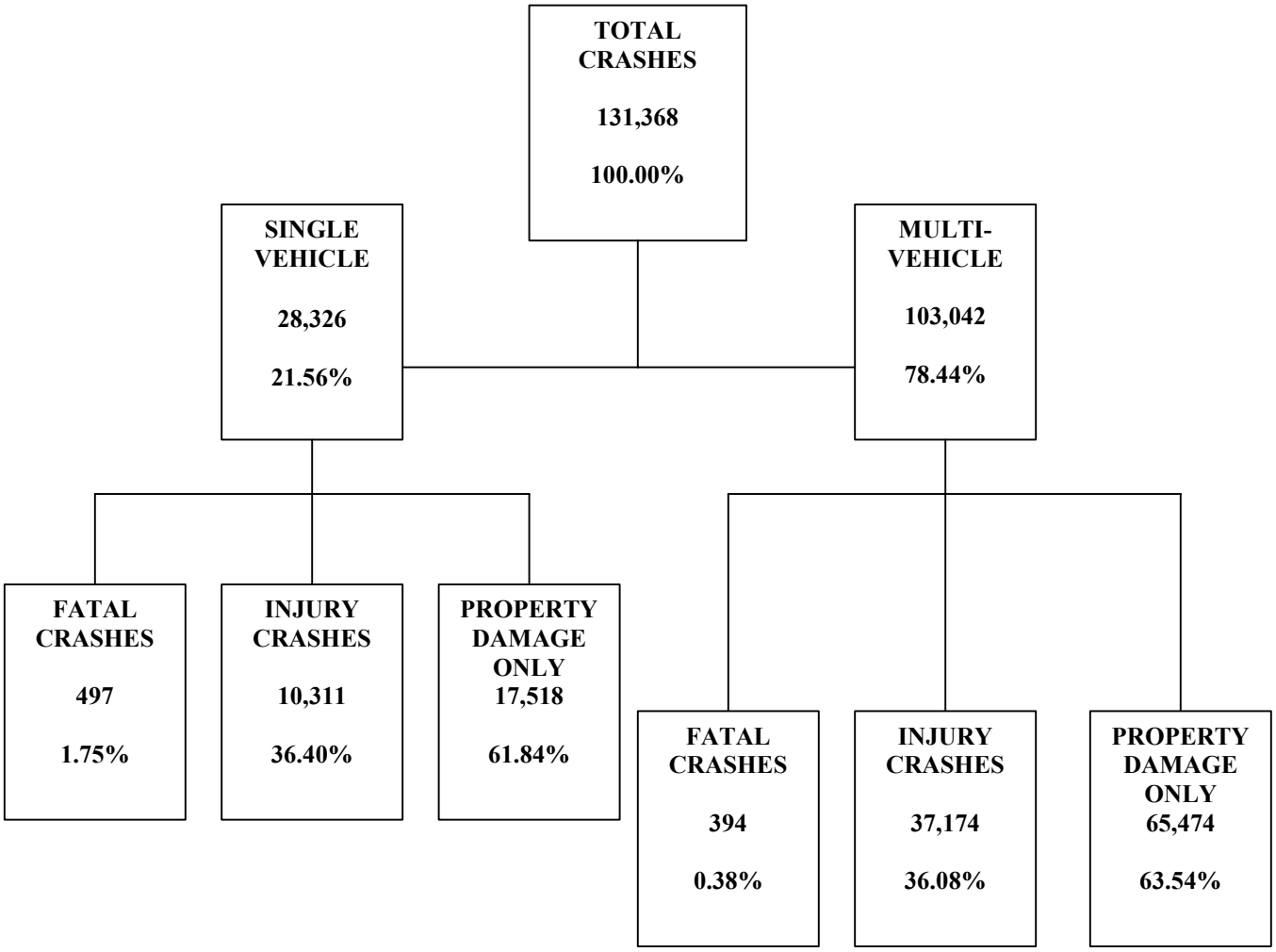
| Route | Number of Crashes | | | | Number of Persons | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Total | Fatal | Injury | Property Damage | Total Killed | Total Injured | Possible Injury | Non-Incap Injury | Incap Injury |
| **I 8** | 291 | 9 | 109 | 173 | 12 | 191 | 45 | 101 | 45 |
| **SB 8** | 34 | 2 | 9 | 23 | 2 | 17 | 8 | 4 | 5 |
| **I 10** | 6,737 | 84 | 1,967 | 4,686 | 109 | 3,297 | 1,744 | 1,139 | 414 |
| **SB 10** | 26 | 0 | 9 | 17 | 0 | 13 | 3 | 10 | 0 |
| **I 15** | 92 | 2 | 38 | 52 | 3 | 65 | 35 | 21 | 9 |
| **I 17** | 4,477 | 31 | 1,363 | 3,083 | 36 | 2,017 | 1,220 | 632 | 165 |
| **I 19** | 494 | 5 | 175 | 314 | 5 | 259 | 127 | 117 | 15 |
| **SB 19** | 52 | 1 | 22 | 29 | 1 | 37 | 9 | 22 | 6 |
| **I 40** | 1,396 | 39 | 437 | 920 | 44 | 799 | 232 | 409 | 158 |
| **SB 40** | 512 | 2 | 114 | 396 | 2 | 163 | 103 | 59 | 1 |
| **S 51** | 1,079 | 1 | 272 | 806 | 1 | 383 | 282 | 78 | 23 |
| **U 60** | 2,922 | 26 | 963 | 1,933 | 33 | 1,573 | 896 | 474 | 203 |
| **S 61** | 23 | 0 | 9 | 14 | 0 | 17 | 10 | 6 | 1 |
| **S 64** | 144 | 3 | 35 | 106 | 11 | 94 | 41 | 31 | 22 |
| **S 66** | 49 | 0 | 23 | 26 | 0 | 37 | 13 | 16 | 8 |
| **S 67** | 19 | 0 | 3 | 16 | 0 | 3 | 2 | 1 | 0 |
| **S 68** | 99 | 5 | 39 | 55 | 7 | 77 | 20 | 40 | 17 |
| **S 69** | 380 | 8 | 125 | 247 | 9 | 207 | 107 | 88 | 12 |
| **U 70** | 112 | 5 | 48 | 59 | 7 | 102 | 43 | 42 | 17 |
| **S 71** | 14 | 0 | 3 | 11 | 0 | 6 | 0 | 6 | 0 |
| **S 72** | 14 | 3 | 4 | 7 | 3 | 8 | 3 | 5 | 0 |
| **S 73** | 13 | 1 | 9 | 3 | 3 | 20 | 6 | 10 | 6 |
| **S 74** | 47 | 1 | 13 | 33 | 1 | 23 | 7 | 13 | 3 |
| **S 75** | 12 | 0 | 3 | 9 | 0 | 3 | 3 | 0 | 0 |
| **S 77** | 509 | 7 | 163 | 339 | 7 | 261 | 128 | 97 | 36 |
| **S 78** | 8 | 1 | 2 | 5 | 1 | 2 | 0 | 0 | 2 |
| **S 79** | 76 | 4 | 28 | 44 | 4 | 52 | 13 | 21 | 18 |
| **SB 79** | 3 | 0 | 2 | 1 | 0 | 3 | 1 | 2 | 0 |
| **S 80** | 156 | 6 | 48 | 102 | 7 | 108 | 23 | 74 | 11 |
| **S 81** | 1 | 0 | 1 | 0 | 0 | 3 | 0 | 3 | 0 |
| **S 82** | 55 | 3 | 16 | 36 | 7 | 42 | 15 | 16 | 11 |
| **S 83** | 45 | 2 | 21 | 22 | 2 | 28 | 11 | 14 | 3 |
| **S 84** | 46 | 2 | 20 | 24 | 2 | 38 | 9 | 17 | 12 |
| **S 85** | 111 | 7 | 50 | 54 | 12 | 103 | 32 | 51 | 20 |
| **S 86** | 191 | 5 | 83 | 103 | 5 | 157 | 86 | 55 | 16 |
| **S 87** | 826 | 13 | 325 | 488 | 16 | 549 | 220 | 207 | 122 |
| **S 88** | 145 | 1 | 56 | 88 | 1 | 79 | 23 | 50 | 6 |
| **S 89** | 315 | 6 | 125 | 184 | 7 | 187 | 80 | 80 | 27 |
| **SA 89** | 548 | 8 | 191 | 349 | 8 | 304 | 139 | 129 | 36 |
| **SL 89** | 2 | 0 | 1 | 1 | 0 | 5 | 3 | 1 | 1 |
| **U 89** | 298 | 7 | 107 | 184 | 13 | 210 | 78 | 111 | 21 |
| **UA 89** | 40 | 0 | 16 | 24 | 0 | 28 | 8 | 18 | 2 |
| **S 90** | 189 | 4 | 72 | 113 | 5 | 120 | 41 | 57 | 22 |
| **S 92** | 148 | 2 | 47 | 99 | 3 | 90 | 42 | 34 | 14 |
| **U 93** | 314 | 11 | 106 | 197 | 11 | 199 | 56 | 100 | 43 |

**Legend:**
In the route column, the first letter signifies the following: I=Interstate, S=State, U=U.S. Highway.
The second letter signifies: A=alternate, B=business, L=loop, S=spur, X=temporary.

| Route | Number of Crashes | | | | Number of Persons | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Total | Fatals | Injury | Property Damage | Killed | Total Injured | Possible Injury | Non-Incap Injury | Incap Injury |
| S 95 | 665 | 8 | 257 | 400 | 8 | 465 | 235 | 157 | 73 |
| U 95 | 159 | 11 | 66 | 82 | 16 | 134 | 40 | 70 | 24 |
| S 96 | 11 | 0 | 4 | 7 | 0 | 5 | 1 | 3 | 1 |
| S 97 | 9 | 0 | 3 | 6 | 0 | 5 | 2 | 3 | 0 |
| S 98 | 38 | 1 | 18 | 19 | 1 | 39 | 21 | 12 | 6 |
| S 99 | 8 | 0 | 8 | 0 | 0 | 10 | 5 | 4 | 3 |
| S 101 | 1,252 | 6 | 352 | 894 | 6 | 488 | 281 | 154 | 53 |
| S 143 | 132 | 0 | 40 | 92 | 0 | 69 | 51 | 11 | 7 |
| S 153 | 4 | 0 | 4 | 0 | 0 | 4 | 1 | 3 | 0 |
| U 160 | 156 | 4 | 60 | 92 | 6 | 137 | 86 | 38 | 13 |
| U 163 | 42 | 1 | 16 | 25 | 1 | 32 | 25 | 6 | 1 |
| S 169 | 19 | 0 | 2 | 17 | 0 | 4 | 2 | 1 | 1 |
| S 170 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| S 177 | 41 | 1 | 12 | 28 | 1 | 23 | 9 | 5 | 9 |
| S 179 | 113 | 1 | 33 | 79 | 1 | 43 | 26 | 13 | 4 |
| U 180 | 191 | 1 | 57 | 133 | 1 | 98 | 30 | 54 | 14 |
| S 181 | 4 | 1 | 1 | 2 | 1 | 4 | 1 | 1 | 2 |
| S 186 | 7 | 0 | 3 | 4 | 0 | 3 | 2 | 1 | 0 |
| S 187 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S 188 | 20 | 0 | 6 | 14 | 0 | 6 | 2 | 3 | 1 |
| S 189 | 2 | 0 | 2 | 0 | 0 | 2 | 0 | 1 | 1 |
| U 191 | 308 | 10 | 131 | 167 | 16 | 281 | 95 | 134 | 52 |
| UB 191 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| UX 191 | 17 | 0 | 7 | 10 | 0 | 10 | 8 | 2 | 0 |
| S 202 | 1,592 | 3 | 481 | 1,108 | 3 | 725 | 469 | 217 | 40 |
| S 238 | 8 | 2 | 2 | 4 | 3 | 8 | 1 | 1 | 6 |
| S 260 | 641 | 10 | 205 | 426 | 10 | 382 | 142 | 198 | 42 |
| S 261 | 2 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 0 |
| S 264 | 114 | 4 | 46 | 64 | 4 | 99 | 57 | 31 | 11 |
| S 266 | 7 | 0 | .3 | 4 | 0 | 7 | 0 | 6 | 1 |
| S 273 | 8 | 0 | 4 | 4 | 0 | 12 | 3 | 9 | 0 |
| S 277 | 27 | 0 | 7 | 20 | 2 | 7 | 5 | 2 | 0 |
| S 280 | 13 | 0 | 4 | 9 | 0 | 5 | 1 | 4 | 0 |
| S 286 | 14 | 1 | 6 | 7 | 1 | 16 | 9 | 5 | 2 |
| S 287 | 41 | 0 | 16 | 25 | 0 | 32 | 10 | 18 | 4 |
| S 288 | 16 | 0 | 8 | 8 | 0 | 13 | 2 | 11 | 0 |
| S 289 | 8 | 0 | 2 | 6 | 0 | 2 | 1 | 0 | 1 |
| S 303 | 41 | 2 | 25 | 14 | 3 | 60 | 21 | 27 | 12 |
| S 347 | 44 | 4 | 18 | 22 | 4 | 50 | 10 | 19 | 21 |
| S 366 | 9 | 0 | 2 | 7 | 0 | 2 | 2 | 0 | 0 |
| S 373 | 2 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 0 |
| S 377 | 14 | 1 | 4 | 9 | 1 | 6 | 1 | 5 | 0 |
| S 386 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| S 387 | 28 | 3 | 11 | 14 | 3 | 13 | 3 | 3 | 7 |
| S 389 | 15 | 1 | 6 | 8 | 1 | 12 | 2 | 9 | 1 |
| S 473 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S 564 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S 587 | 2 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0 |
| **TOTAL** | **28,914** | **393** | **9,209** | **19,312** | **491** | **15,297** | **7,631** | **5,704** | **1,962** |

* This table does not include crashes on the state highway system where a local street name was used as a reference on the police accident report form.

# Section 3:
# Crash Descriptions



## Table 3-1
## Manner of Collision in Multi-Vehicle Crashes

| Manner of Collision | Total | Percent of All Crashes | Fatal | Percent of Fatal Crashes | Injury | Percent of Injury Crashes |
|---|---|---|---|---|---|---|
| **Head On** | 878 | 0.85% | 104 | 26.40% | 463 | 1.25% |
| **Rear End** | 46,081 | 44.72% | 64 | 16.24% | 17,021 | 45.79% |
| **Side Swipe Opposite Direction** | 893 | 0.87% | 8 | 2.03% | 303 | 0.82% |
| **Side Swipe Same Direction** | 13,550 | 13.15% | 24 | 6.09% | 2,300 | 6.19% |
| **Left Turn** | 12,617 | 12.24% | 54 | 13.71% | 6,467 | 17.40% |
| **Other Angle** | 21,902 | 21.26% | 104 | 26.40% | 9,121 | 24.54% |
| **Backed Into** | 2,287 | 2.22% | 1 | 0.25% | 162 | 0.44% |
| **U-Turn** | 1,519 | 1.47% | 7 | 1.78% | 494 | 1.33% |
| **Other** | 3,315 | 3.22% | 28 | 7.11% | 843 | 2.26% |
| **TOTAL** | **103,042** | **100.00%** | **394** | **100.00%** | **37,174** | **100.00%** |

## Table 3-2
## Unusual Road Conditions

| Unusual Road Conditions | Number of Crashes | | | | Number of Victims | |
|---|---|---|---|---|---|---|
| | Total | Fatal | Injury | PDO | Killed | Injured |
| **No Unusual Condition** | **124,444** | **855** | **45,250** | **78,339** | **994** | **73,010** |
| **Under Construction Thru Traffic Allowed** | **4,883** | **16** | **1,612** | **3,255** | **19** | **2,558** |
| **Under Construction Traffic Detoured** | **104** | **0** | **27** | **77** | **0** | **41** |
| **Under Repairs** | **133** | **1** | **38** | **94** | **1** | **51** |
| **Holes,Ruts,Bumps** | **380** | **11** | **117** | **252** | **14** | **217** |
| **Obstruction Protected** | **38** | **2** | **8** | **28** | **2** | **15** |
| **Obstruction Unprotected** | **163** | **1** | **35** | **127** | **1** | **47** |
| **Obstruction Unlighted at Night** | **87** | **1** | **33** | **53** | **1** | **57** |
| **Defective Shoulders** | **23** | **0** | **11** | **12** | **0** | **18** |
| **Changing Road Width** | **310** | **4** | **98** | **208** | **4** | **186** |
| **Flooded** | **125** | **0** | **38** | **87** | **0** | **52** |
| **Temporary Lane Closure** | **678** | **0** | **218** | **460** | **0** | **374** |
| **TOTALS** | **131,368** | **891** | **47,485** | **82,992** | **1,036** | **76,626** |

## Section 3: Crash Descriptions

### Table 3-3
### Weather Conditions

| Weather | Number of Crashes | | | | Number of Persons | |
|---|---|---|---|---|---|---|
| | Total | Fatal | Injury | PDO | Killed | Injured |
| Clear | 112,810 | 730 | 40,945 | 71,135 | 841 | 65,961 |
| Raining | 5,314 | 25 | 1,876 | 3,413 | 27 | 2,985 |
| Cloudy | 11,278 | 68 | 4,102 | 7,108 | 84 | 6,653 |
| Snow,Sleet | 865 | 11 | 229 | 625 | 17 | 405 |
| Strong Wind | 458 | 4 | 167 | 287 | 5 | 258 |
| Blowing Sand | 65 | 2 | 30 | 33 | 2 | 60 |
| Fog,Smoke,Smog | 48 | 3 | 14 | 31 | 5 | 67 |
| Not Reported | 530 | 48 | 122 | 360 | 55 | 237 |
| TOTALS | 131,368 | 891 | 47,485 | 82,992 | 1,036 | 76,626 |

### Table 3-4
### Lighting Conditions

| Lighting | Number of Crashes | | | | Number of Persons | |
|---|---|---|---|---|---|---|
| | Total | Fatal | Injury | PDO | Killed | Injured |
| Daylight | 94,530 | 431 | 33,939 | 60,160 | 518 | 54,091 |
| Dawn or Dusk | 6,005 | 53 | 2,183 | 3,769 | 57 | 3,467 |
| Darkness | 30,493 | 402 | 11,283 | 18,808 | 456 | 18,937 |
| Not Reported | 340 | 5 | 80 | 255 | 5 | 131 |
| TOTALS | 131,368 | 891 | 47,485 | 82,992 | 1,036 | 76,626 |

### Table 3-5
### Road Surface

| Surface | Number of Crashes | | | | Number of Persons | |
|---|---|---|---|---|---|---|
| | Total | Fatal | Injury | PDO | Killed | Injured |
| Asphalt | 118,867 | 787 | 43,590 | 74,490 | 924 | 70,695 |
| Concrete | 10,403 | 33 | 3,245 | 7,125 | 34 | 4,831 |
| Gravel | 346 | 4 | 112 | 230 | 4 | 177 |
| Dirt | 1,322 | 26 | 425 | 871 | 29 | 736 |
| Other | 101 | 0 | 28 | 73 | 0 | 37 |
| Not Reported | 329 | 41 | 85 | 203 | 45 | 150 |
| TOTALS | 131,368 | 891 | 47,485 | 82,992 | 1,036 | 76,626 |

## Table 3-6
## Road Surface Conditions

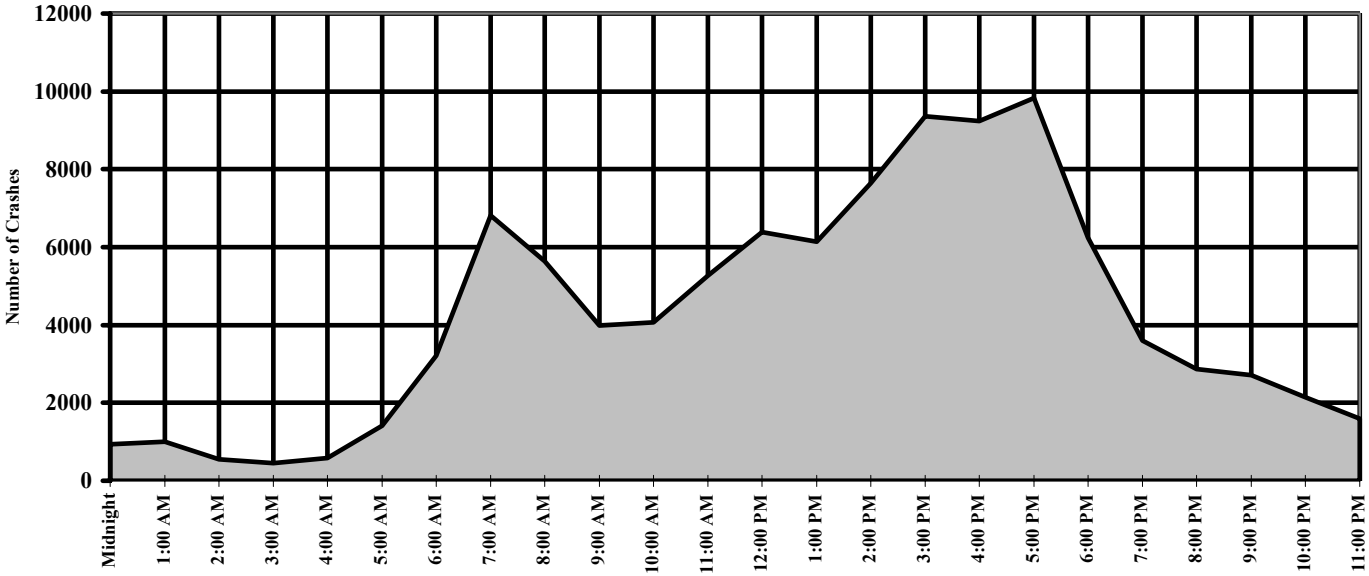
| Surface | Number of Crashes | | | | Number of Persons | |
|---|---|---|---|---|---|---|
| | Total | Fatal | Injury | PDO | Killed | Injured |
| Wet | 7,184 | 41 | 2,544 | 4,599 | 51 | 4,064 |
| Loose Dirt, Sand, Etc. | 1,563 | 15 | 488 | 1,060 | 16 | 736 |
| Snowy or Icy | 1,292 | 8 | 318 | 966 | 14 | 567 |
| Other | 512 | 8 | 164 | 340 | 10 | 265 |
| Unknown | 3,108 | 23 | 958 | 2,127 | 24 | 1,494 |
| No Unusual Conditions | 117,709 | 796 | 43,013 | 73,900 | 921 | 69,500 |
| TOTALS | 131,368 | 891 | 47,485 | 82,992 | 1,036 | 76,626 |

*Nationally, traffic fatalities account for more than 90 percent of transportation-related fatalities.*

## Table 3-7
## Road Grade

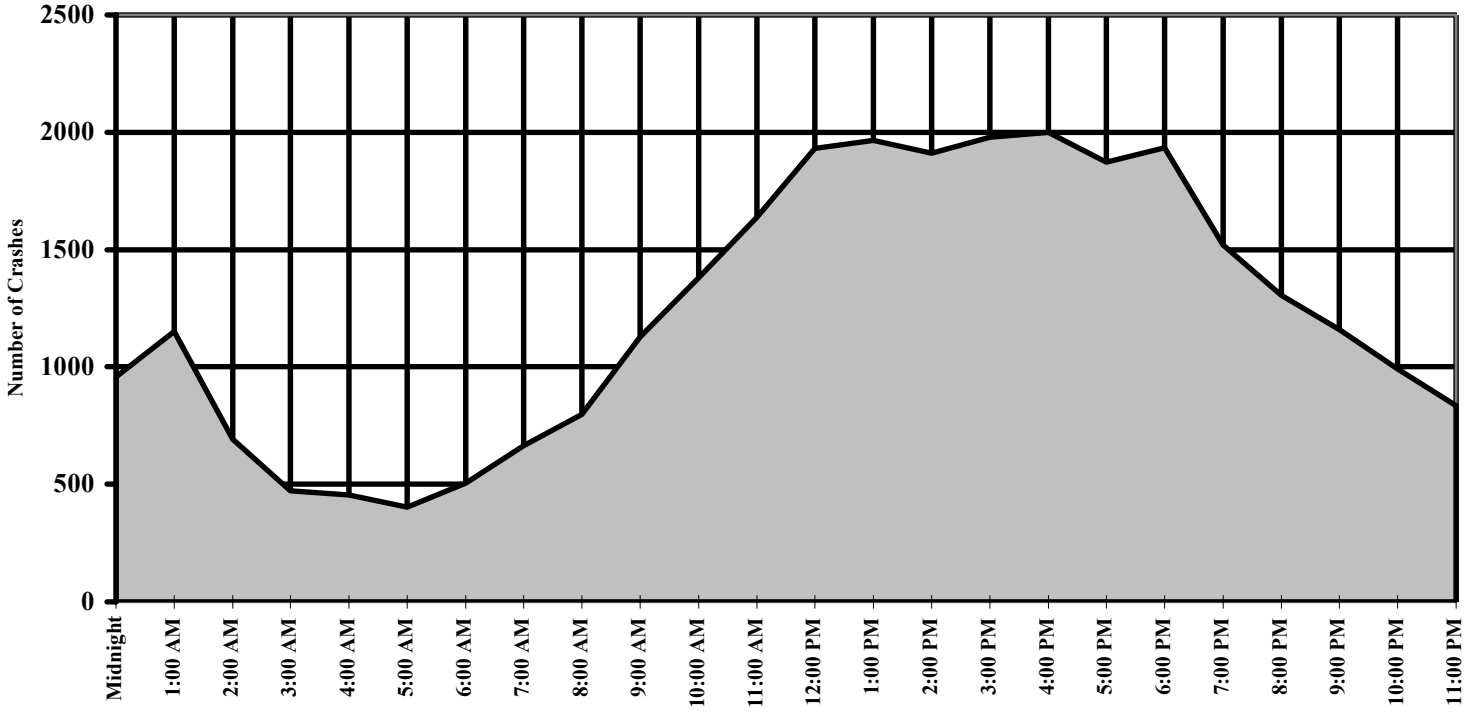
| Road Grade | Number of Crashes | | | | Number of Persons | |
|---|---|---|---|---|---|---|
| | Total | Fatal | Injury | PDO | Killed | Injured |
| Level | 117,267 | 674 | 42,685 | 73,908 | 789 | 68,896 |
| Downgrade | 7,162 | 94 | 2,503 | 4,565 | 116 | 4,044 |
| Upgrade | 5,066 | 62 | 1,656 | 3,348 | 66 | 2,606 |
| Hill Crest | 430 | 8 | 157 | 265 | 8 | 295 |
| Dip | 239 | 3 | 95 | 141 | 3 | 152 |
| Not Reported | 1,204 | 50 | 389 | 765 | 54 | 633 |
| TOTALS | 131,368 | 891 | 47,485 | 82,992 | 1,036 | 76,626 |

## Figure 3-1
## Crashes by Time of Day
## Weekdays

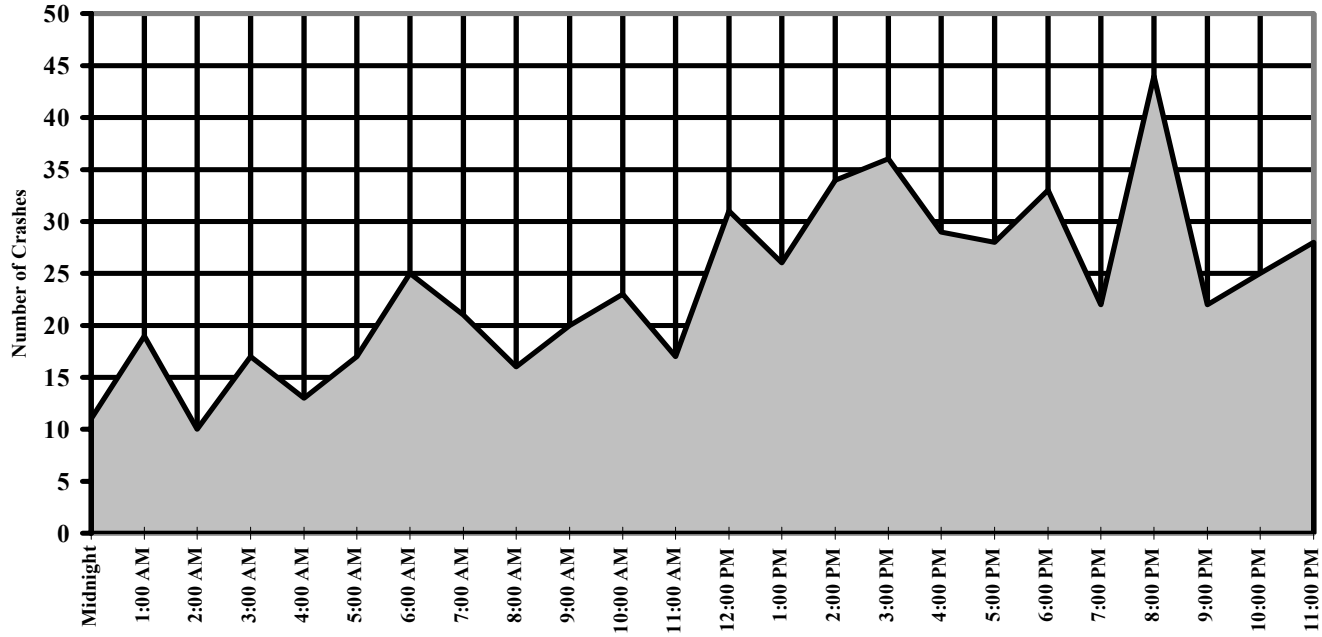



## Figure 3-2

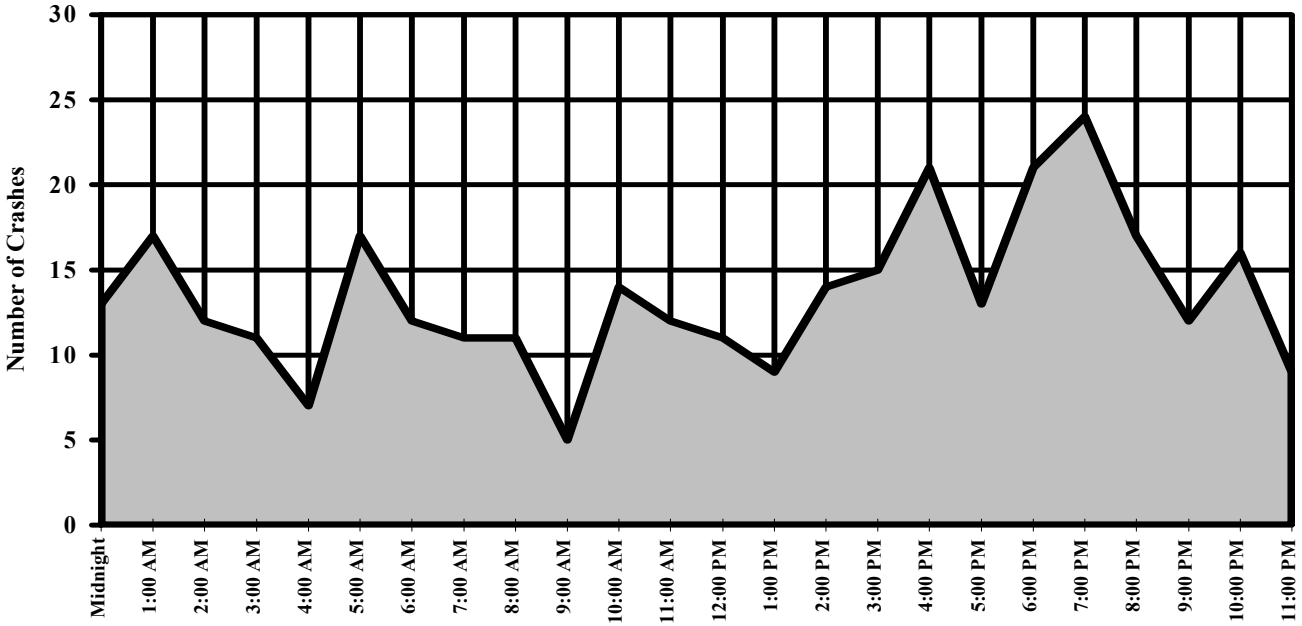
## Crashes by Time of Day
## Weekends



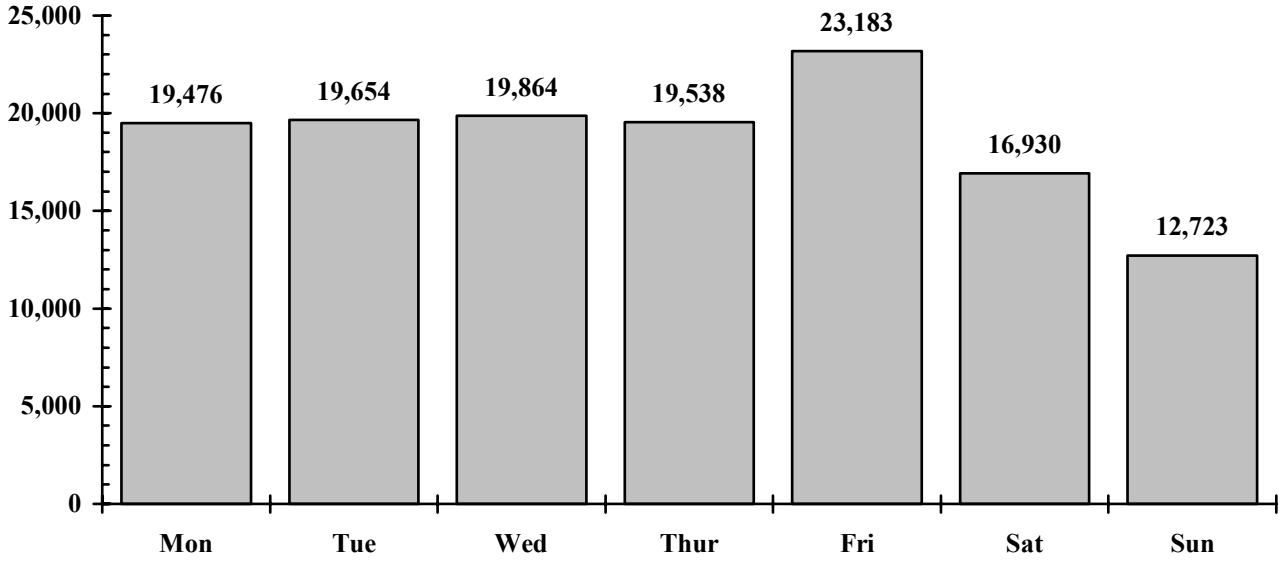
## Figure 3-3
## Fatal Crashes by Time of Day
## Weekdays



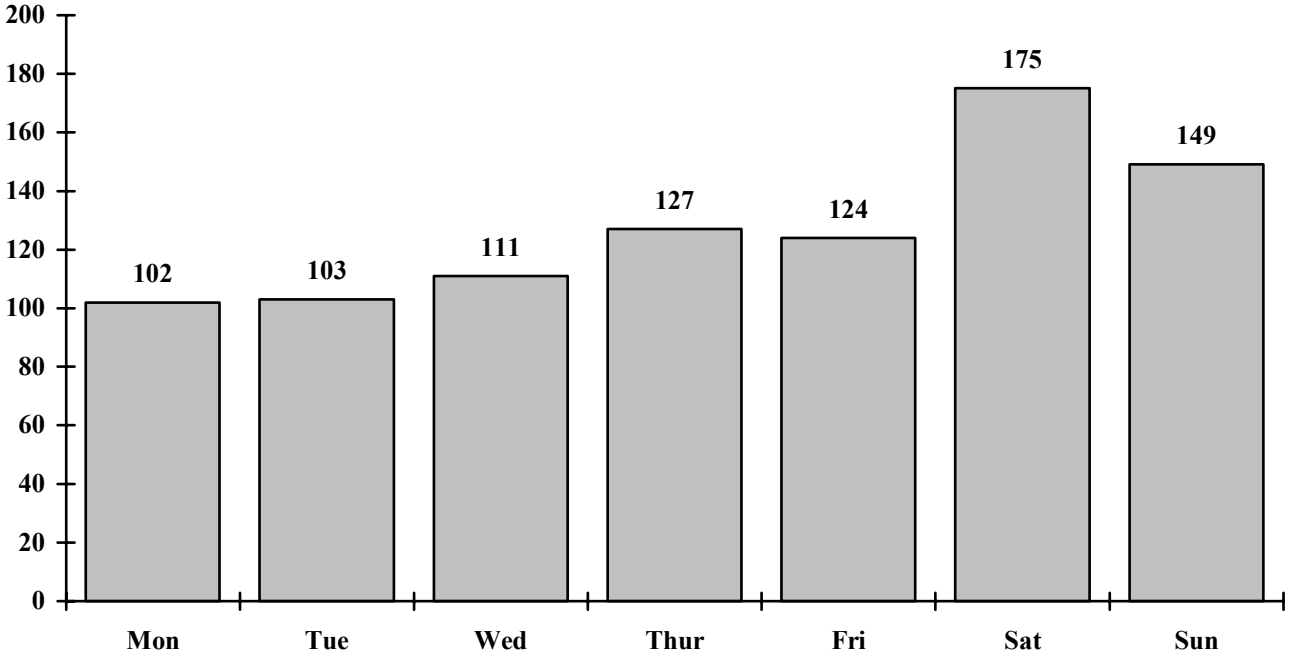

## Figure 3-4
## Fatal Crashes by Time of Day
## Weekends



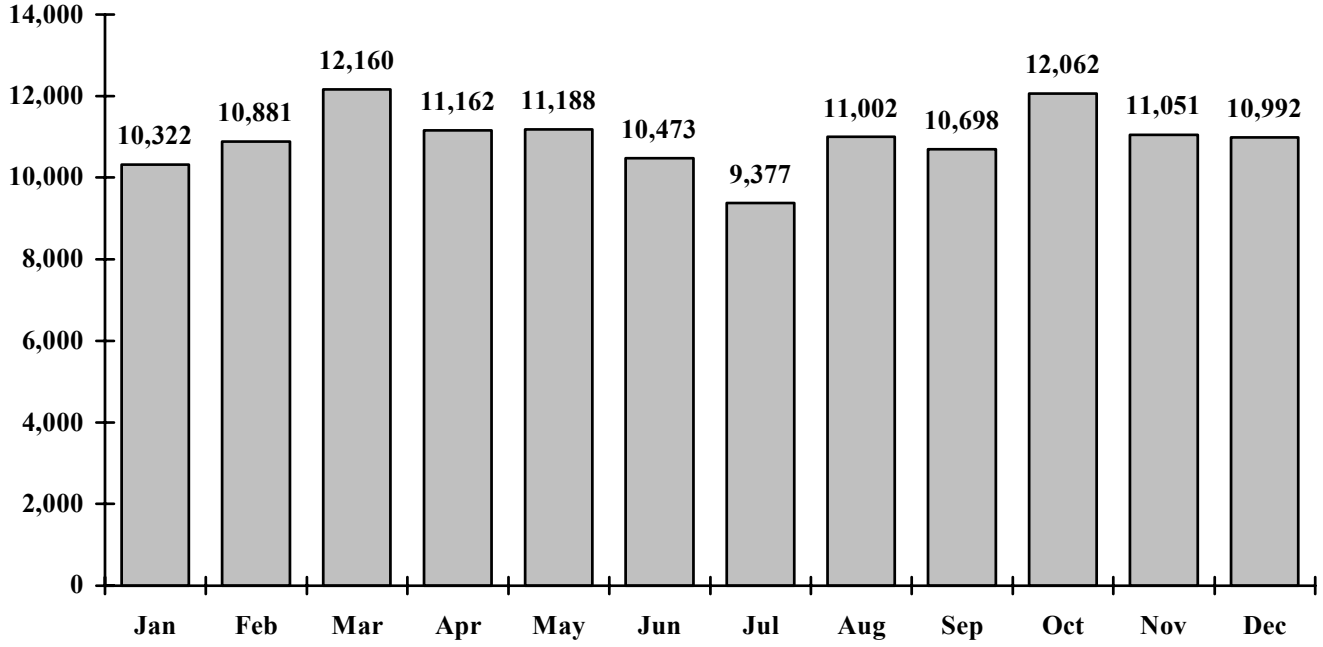
## Figure 3-5
## Crashes by Day of Week



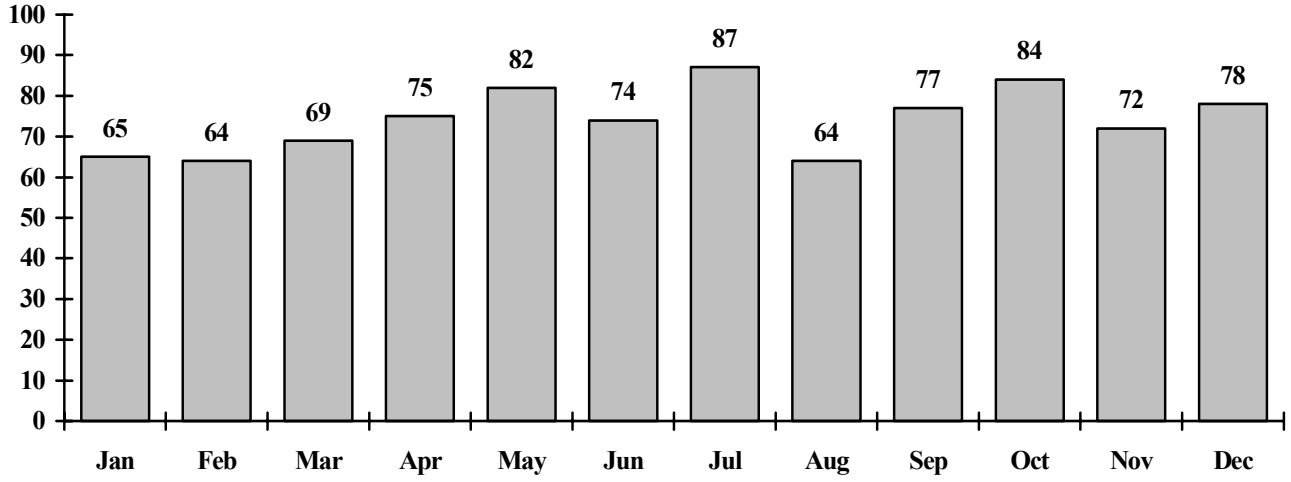

## Figure 3-6
## Fatal Crashes by Day of Week



## Figure 3-7
## Crashes by Month




## Figure 3-8
## Fatal Crashes by Month

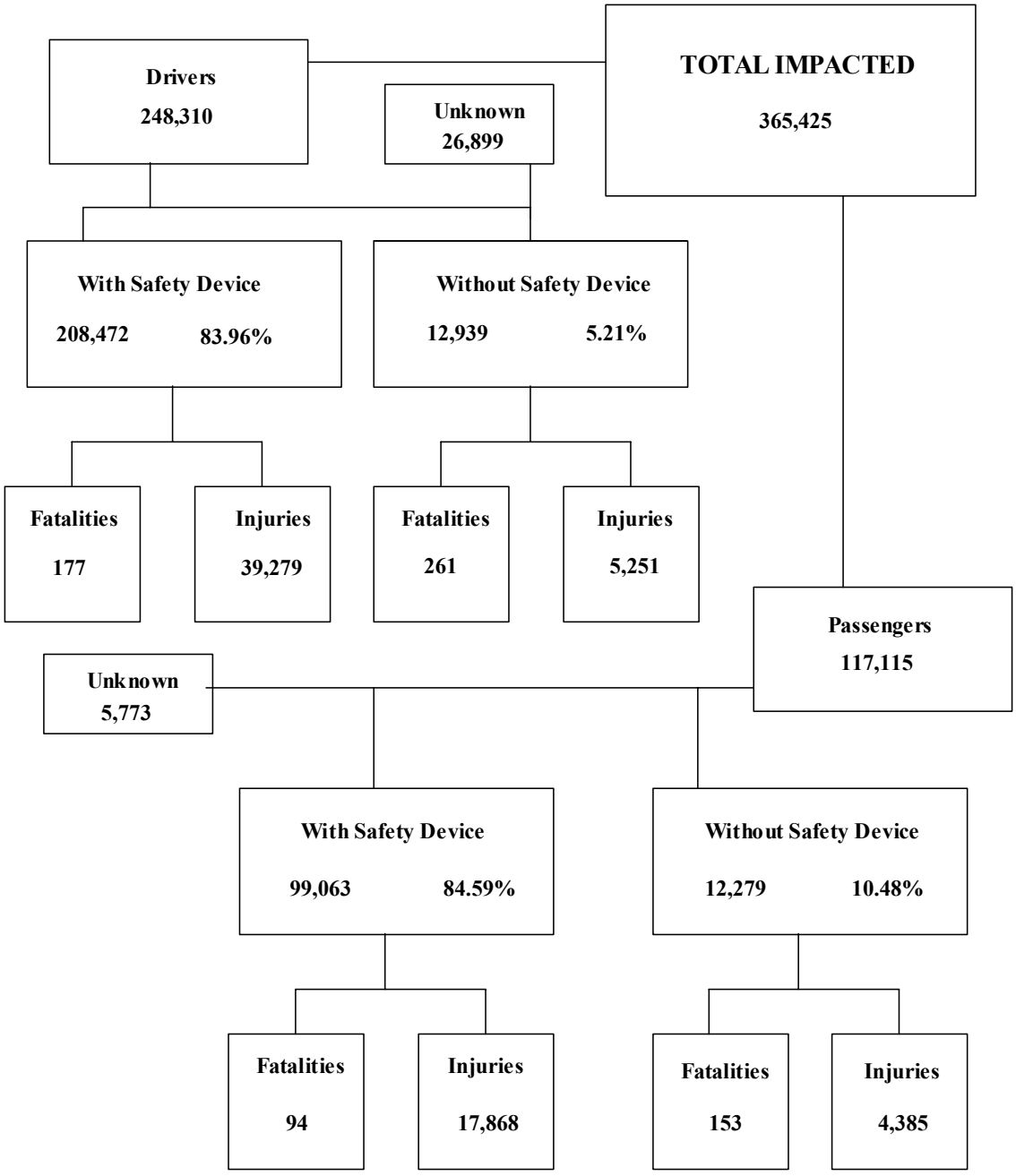


Section 3: Crash Descriptions

# Table 3-9
# Crashes by Hour and Day of Week

| Hour Beginning | Total Crashes All | Total Crashes Fatal | Monday All | Monday Fatal | Tuesday All | Tuesday Fatal | Wednesday All | Wednesday Fatal | Thursday All | Thursday Fatal | Friday All | Friday Fatal | Saturday All | Saturday Fatal | Sunday All | Sunday Fatal |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Midnight** | **1,895** | **24** | 204 | 2 | 138 | 2 | 174 | 4 | 192 | 2 | 229 | 1 | 464 | 4 | 494 | 9 |
| **1:00** | **2,160** | **36** | 204 | 5 | 169 | 4 | 168 | 2 | 193 | 4 | 274 | 4 | 611 | 11 | 541 | 6 |
| **2:00** | **1,240** | **22** | 107 | 0 | 78 | 3 | 108 | 3 | 107 | 3 | 149 | 1 | 351 | 5 | 340 | 7 |
| **3:00** | **936** | **28** | 105 | 1 | 92 | 3 | 76 | 3 | 85 | 6 | 104 | 4 | 246 | 6 | 228 | 5 |
| **4:00** | **1,040** | **20** | 127 | 2 | 121 | 3 | 108 | 1 | 117 | 5 | 111 | 2 | 238 | 3 | 218 | 4 |
| **5:00** | **1,821** | **34** | 287 | 3 | 295 | 3 | 304 | 4 | 254 | 3 | 278 | 4 | 213 | 9 | 190 | 8 |
| **6:00** | **3,726** | **37** | 634 | 7 | 699 | 3 | 656 | 6 | 680 | 5 | 551 | 4 | 279 | 6 | 227 | 6 |
| **7:00** | **7,477** | **32** | 1,283 | 6 | 1,508 | 3 | 1,516 | 4 | 1,264 | 3 | 1,241 | 5 | 392 | 6 | 273 | 5 |
| **8:00** | **6,438** | **27** | 1,179 | 4 | 1,273 | 2 | 1,150 | 3 | 1,040 | 3 | 998 | 4 | 486 | 5 | 312 | 6 |
| **9:00** | **5,111** | **25** | 782 | 4 | 817 | 1 | 860 | 4 | 762 | 6 | 761 | 5 | 686 | 3 | 443 | 2 |
| **10:00** | **5,448** | **37** | 802 | 3 | 790 | 6 | 753 | 5 | 816 | 4 | 906 | 5 | 822 | 9 | 559 | 5 |
| **11:00** | **6,900** | **29** | 1,069 | 2 | 974 | 4 | 1,052 | 1 | 983 | 3 | 1,185 | 7 | 1,035 | 8 | 602 | 4 |
| **Noon** | **8,312** | **42** | 1,233 | 5 | 1,167 | 6 | 1,217 | 7 | 1,281 | 6 | 1,483 | 7 | 1,160 | 5 | 771 | 6 |
| **1:00** | **8,113** | **35** | 1,229 | 4 | 1,129 | 5 | 1,163 | 3 | 1,145 | 10 | 1,481 | 4 | 1,171 | 4 | 795 | 5 |
| **2:00** | **9,556** | **48** | 1,472 | 7 | 1,431 | 8 | 1,446 | 5 | 1,430 | 6 | 1,866 | 8 | 1,082 | 11 | 829 | 3 |
| **3:00** | **11,336** | **51** | 1,796 | 7 | 1,803 | 4 | 1,749 | 7 | 1,792 | 9 | 2,218 | 9 | 1,119 | 5 | 859 | 10 |
| **4:00** | **11,243** | **50** | 1,788 | 3 | 1,700 | 9 | 1,807 | 2 | 1,793 | 7 | 2,156 | 8 | 1,137 | 9 | 862 | 12 |
| **5:00** | **11,706** | **41** | 1,867 | 5 | 1,976 | 3 | 1,939 | 8 | 1,954 | 7 | 2,097 | 5 | 1,019 | 10 | 854 | 3 |
| **6:00** | **8,176** | **54** | 1,115 | 5 | 1,242 | 6 | 1,222 | 7 | 1,239 | 10 | 1,425 | 5 | 1,052 | 12 | 881 | 9 |
| **7:00** | **5,121** | **46** | 668 | 3 | 625 | 3 | 680 | 5 | 685 | 6 | 944 | 5 | 823 | 13 | 696 | 11 |
| **8:00** | **4,170** | **61** | 540 | 9 | 537 | 9 | 562 | 9 | 542 | 7 | 684 | 10 | 700 | 8 | 605 | 9 |
| **9:00** | **3,870** | **34** | 442 | 7 | 488 | 5 | 504 | 5 | 541 | 2 | 734 | 3 | 668 | 9 | 493 | 3 |
| **10:00** | **3,142** | **41** | 324 | 5 | 352 | 2 | 375 | 8 | 377 | 5 | 722 | 5 | 610 | 8 | 382 | 8 |
| **11:00** | **2,431** | **37** | 219 | 3 | 250 | 6 | 275 | 5 | 266 | 5 | 586 | 9 | 566 | 6 | 269 | 3 |
| **Not Reported** | **0** | **0** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **TOTALS** | **131,368** | **891** | **19,476** | **102** | **19,654** | **103** | **19,864** | **111** | **19,538** | **127** | **23,183** | **124** | **16,930** | **175** | **12,723** | **149** |

# Section 4:
# Safety Devices




**In this chart, "Unknown" represents incidents where the reporting officer could not discern whether a safety device was in use at the time of the crash. For this reason fatalities and injuries occurring where use was unknown are not included. Motorcycle operators are included in this chart under "Drivers." "Safety devices" refer to the use of helmets or safety belts depending on the mode of transportation. For a detailed analysis of motorcycle helmet use, see Section 8: Motorcycle Crashes.**

***Arizona law requires young children to be restrained when riding in a motor vehicle.***
*A.R.S. Title 28-907 states "...a person shall not operate a motor vehicle on the highways in this state when transporting a child who is under five years of age unless that child is properly secured in a child passenger restraint system."*

## Table 4-1
## Child Restraint Usage (less than five years old)

| Severity of Injury | Restraint Used | Percent of Restraint Used | No Restraint Used | Percent of No Restraint | Not Reported | Percent of Unknown |
|---|---|---|---|---|---|---|
| **No injury** | 11,502 | 89.07% | 601 | 69.88% | 358 | 76.99% |
| **Possible injury** | 890 | 6.89% | 92 | 10.70% | 42 | 9.03% |
| **Injury** | 437 | 3.38% | 147 | 17.09% | 31 | 6.67% |
| **Fatality** | 13 | 0.10% | 15 | 1.74% | 2 | 0.43% |
| **Unknown** | 72 | 0.56% | 5 | 0.58% | 32 | 6.88% |
| **Totals** | **12,914** | **100.00%** | **860** | **100.00%** | **465** | **100.00%** |

***The most dangerous place for a child to travel in a car is in your lap. This is often called the "child crusher position." In a crash of approximately 30 mph, a 10 lb infant will be ripped from a belted adult's arms with a force of almost 200 pounds. If the adult is unbelted, the child is likely to be crushed between the adult's body and the dashboard.***

***Arizona law requires the use of seat belts.***

*A.R.S. Title 28-909 states "...each front seat occupant of a motor vehicle.which is manufactured for the model year 1972 and thereafter...shall have the lap and shoulder belt properly adjusted and fastened while the vehicle is in motion, or if only a lap belt is installed wherethe occupant is sitting, have the lap belt properly adjusted and fastened while the vehicle is in motion."*

## Table 4-2
## Driver Restraint Usage

| Severity of Injury | Restraint in Use | Percent of Restraint Used | No Restraint Used | Percent of No Restraint | Not Reported | Percent of Unknown |
|---|---|---|---|---|---|---|
| **No injury** | 167,928 | 80.55% | 7,132 | 55.12% | 9,690 | 36.06% |
| **Possible injury** | 24,554 | 11.78% | 1,631 | 12.60% | 1,413 | 5.26% |
| **Injury** | 14,725 | 7.06% | 3,620 | 27.98% | 1,897 | 7.06% |
| **Fatality** | 177 | 0.08% | 261 | 2.02% | 80 | 0.30% |
| **Unknown** | 1,088 | 0.52% | 295 | 2.28% | 13,789 | 51.32% |
| **Total** | **208,472** | **100.00%** | **12,939** | **100.00%** | **26,869** | **100.00%** |

Excludes all motorcycle, motor scooter, moped, and golf cart operators.

## Table 4-3
## Front-Seat Passenger Restraint Usage

| Severity of Injury | Restraint in Use | Percent of Restraint Used | No Restraint Used | Percent of No Restraint | Not Reported | Percent of Unknown |
|---|---|---|---|---|---|---|
| **No injury** | 46,450 | 78.60% | 3,572 | 57.52% | 2,267 | 66.17% |
| **Possible injury** | 7,769 | 13.15% | 996 | 16.04% | 382 | 11.15% |
| **Injury** | 4,523 | 7.65% | 1,537 | 24.75% | 520 | 15.18% |
| **Fatality** | 68 | 0.12% | 80 | 1.29% | 21 | 0.61% |
| **Unknown** | 288 | 0.49% | 25 | 0.40% | 236 | 6.89% |
| **Total** | **59,098** | **100.00%** | **6,210** | **100.00%** | **3,426** | **100.00%** |

*According to a U.S. Department of Transportation survey taken between 1998 and 2000, the use of front sear passenger restraints in Arizona has increased from 61.5% to 75.2%. NHTSA's national goal is 85% useage.*

***NHTSA estimates that nationwide, seatbelt usage is approximately 67%.***

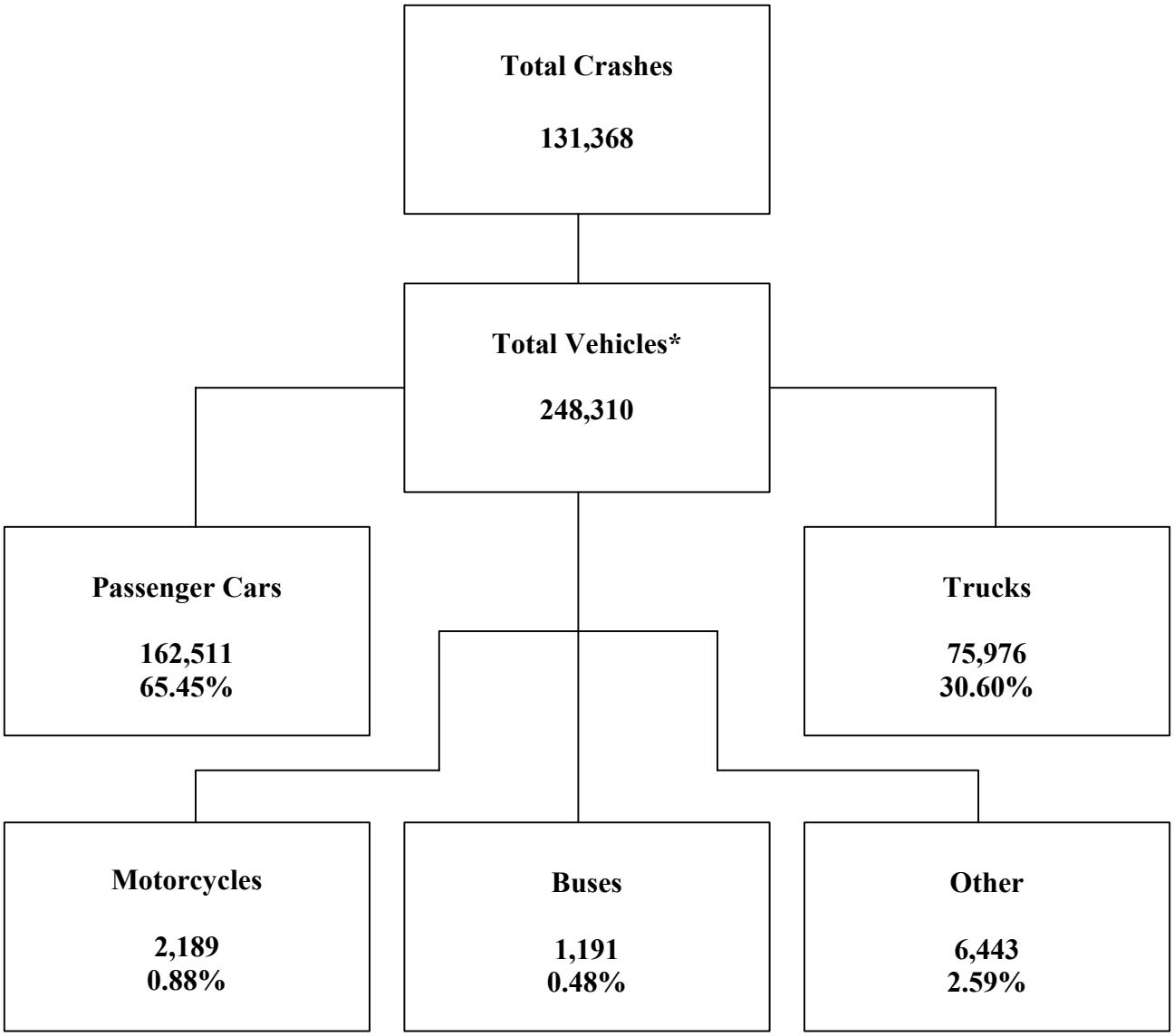
***The United States ranks below 12 other developed nations in seat belt use, according to the Insurance Institute for Highway Safety.***

## Table 4-4
## Rear-Seat Passenger Restraint Usage

| Severity of Injury | Restraint Used | Percent of Restraint Used | No Restraint Used | Percent of No Restraint | Not Reported | Percent of Unknown |
|---|---|---|---|---|---|---|
| **No injury** | 22,650 | 83.83% | 3,508 | 67.34% | 1,418 | 74.05% |
| **Possible injury** | 2,841 | 10.52% | 716 | 13.75% | 226 | 11.80% |
| **Injury** | 1,398 | 5.17% | 897 | 17.22% | 201 | 10.50% |
| **Fatality** | 13 | 0.05% | 58 | 1.11% | 10 | 0.52% |
| **Unknown** | 116 | 0.43% | 30 | 0.58% | 60 | 3.13% |
| **Total** | **27,018** | **100.00%** | **5,209** | **100.00%** | **1,915** | **100.00%** |

***Across the nation, over 10,000 lives were saved in 2000 by the use of safety belts.***

# Section 5:
# Motor Vehicle and Driver Characteristics




***Includes driverless or illegally parked**

## Section 5: Motor Vehicle and Driver Characteristics

# Table 5-1
# Arizona Motor Vehicle Registrations

| | |
|---|---|
| **Privately Owned Vehicles** | 3,425,624 |
| **Commercial Vehicles** | 379,326 |
| **Buses and Taxis** | 3,791 |
| **Motorcycles*** | 174,811 |
| **Mopeds** | 308 |
| **Total** | **3,983,860** |

*Includes 3 & 4 wheel ATVs and golf carts.

Data provided by, and inquiries should be directed to, Motor Vehicles Division.

# Table 5-2
# Motor Vehicle Crash Involvement by Vehicle Type

| Motor Vehicle Type | Total | Percent | Fatal | Injury | PDOs |
|---|---|---|---|---|---|
| **Passenger Car (Includes cars with trailer)** | 162,511 | 65.45% | 698 | 62,974 | 98,839 |
| **Pickup Truck (Incl. Panel & Mini Bus)** | 68,275 | 27.50% | 396 | 24,098 | 43,781 |
| **Pickup Truck With Camper** | 505 | 0.20% | 6 | 194 | 305 |
| **Other Vehicle With Camper** | 1 | 0% | 1 | 0 | 0 |
| **Truck or Truck Tractor (Excl. P/U)** | 81 | 0.03% | 1 | 23 | 57 |
| **Truck Tractor and Semi-Trailer** | 4,137 | 1.67% | 85 | 1,005 | 3,047 |
| **Other Truck Combination** | 2,977 | 1.20% | 25 | 862 | 2,090 |
| **Farm Tractor and/or Farm Equipment** | 28 | 0.01% | 4 | 6 | 18 |
| **Taxicab** | 166 | 0.07% | 2 | 65 | 99 |
| **Bus** | 742 | 0.30% | 3 | 188 | 551 |
| **School Bus** | 449 | 0.18% | 5 | 98 | 346 |
| **Motorcycle** | 2,189 | 0.88% | 100 | 1,758 | 331 |
| **Motor Scooter or Motor Bicycle** | 17 | 0.01% | 0 | 14 | 3 |
| **Moped** | 11 | 0% | 0 | 10 | 1 |
| **Recreational Vehicle** | 666 | 0.27% | 5 | 264 | 397 |
| **Motor Home or House Car** | 424 | 0.17% | 6 | 94 | 324 |
| **Vehicle With Special Controls (Dual, Etc.)** | 4 | 0% | 0 | 3 | 1 |
| **Emergency Veh. (Inc. Privately Owned)** | 147 | 0.06% | 2 | 56 | 89 |
| **Military Vehicles** | 3 | 0% | 1 | 0 | 2 |
| **Other Types Of Vehicles** | 201 | 0.08% | 5 | 85 | 111 |
| **Vehicle Type Unknown** | 4,776 | 1.92% | 35 | 1,041 | 3,700 |
| **TOTALS** | **248,310** | **100.00%** | **1,380** | **92,838** | **154,092** |

# Table 5-3
# Hit and Run Drivers

| | Number of Crashes | | | | Number of Persons | |
|---|---|---|---|---|---|---|
| **Hit And Run?** | **Total** | **Fatal** | **Injury** | **PDOs** | **Killed** | **Injured** |
| **Yes** | 14,787 | 44 | 3,621 | 11,122 | 47 | 5,104 |
| **No** | 116,581 | 847 | 43,864 | 71,870 | 989 | 71,522 |
| **TOTALS** | **131,368** | **891** | **47,485** | **82,992** | **1,036** | **76,626** |

# Table 5-4
# Gender of Drivers Involved in Crashes

| Gender of Driver | Total | Percent | Fatal | Percent | Injury | Percent |
|---|---|---|---|---|---|---|
| **Male** | 145,690 | 58.67% | 999 | 72.39% | 53,643 | 57.78% |
| **Female** | 92,780 | 37.37% | 325 | 23.55% | 37,249 | 40.12% |
| **Not Reported** | 9,838 | 3.96% | 56 | 4.06% | 1,944 | 2.10% |
| **TOTALS** | **248,308** | **100.00%** | **1,380** | **100.00%** | **92,836** | **100.00%** |

# Table 5-5
# Residence of Drivers Involved in Crashes

| Residence of Driver | Total | Percent | Fatal | Percent | Injury | Percent | PDOs | Percent |
|---|---|---|---|---|---|---|---|---|
| **Arizona** | 202,160 | 81.42% | 974 | 70.58% | 77,332 | 83.30% | 123,854 | 80.38% |
| **Non-Resident** | 20,425 | 8.23% | 214 | 15.51% | 7,338 | 7.90% | 12,873 | 8.35% |
| **Not Reported** | 25,723 | 10.35% | 192 | 13.91% | 8,166 | 8.80% | 17,365 | 11.27% |
| **TOTALS** | **248,308** | **100.00%** | **1,380** | **100.00%** | **92,836** | **100.00%** | **154,092** | **100.00%** |

# Table 5-6
# Drivers and Occupants Killed and Injured by Vehicle Type

| Type of Motor Vehicle | Drivers | | Occupants | |
|---|---|---|---|---|
| | Killed | Injured | Killed | Injured |
| **Passenger Car (Includes Cars With Trailer)** | 265 | 34,311 | 203 | 18,210 |
| **Pickup Truck (Incl. Panel & Mini Bus)** | 126 | 10,767 | 130 | 6,114 |
| **Pickup Truck With Camper** | 4 | 97 | 2 | 74 |
| **Other Vehicle With Camper** | 1 | 0 | 0 | 1 |
| **Truck or Truck Tractor (Excl. P/U)** | 1 | 5 | 0 | 1 |
| **Truck Tractor and Semi-Trailer** | 10 | 239 | 0 | 76 |
| **Other Truck Combination** | 3 | 267 | 0 | 92 |
| **Farm Tractor and/or Farm Equipment** | 0 | 2 | 0 | 0 |
| **Taxicab** | 1 | 40 | 0 | 25 |
| **Bus** | 0 | 39 | 0 | 126 |
| **School Bus** | 0 | 20 | 1 | 139 |
| **Motorcycle** | 85 | 1,705 | 10 | 199 |
| **Motor Scooter or Motor Bicycle** | 0 | 13 | 0 | 2 |
| **Moped** | 0 | 10 | 0 | 0 |
| **Recreational Vehicle** | 3 | 128 | 1 | 83 |
| **Motor Home or House Car** | 3 | 25 | 2 | 37 |
| **Vehicle With Special Controls (Dual, Etc.)** | 0 | 0 | 0 | 0 |
| **Emergency Veh. (Inc. Privately Owned)** | 2 | 28 | 0 | 14 |
| **Military Vehicles** | 1 | 0 | 0 | 1 |
| **Other Types Of Vehicles** | 3 | 68 | 0 | 11 |
| **Vehicle Type Not Reported** | 11 | 81 | 6 | 39 |
| **TOTALS** | **519** | **47,845** | **355** | **25,244** |

## Table 5-7
## Licensed Drivers in Arizona by Age

| Driver Age Group | Male Number | Percent | Female Number | Percent | Total Number | Percent | Cumulative Percent |
|---|---|---|---|---|---|---|---|
| **16** | 19,705 | 1.10% | 18,112 | 1.04% | 37,817 | 1.07% | 1.07% |
| **17** | 24,092 | 1.35% | 21,227 | 1.22% | 45,319 | 1.28% | 2.35% |
| **18** | 25,014 | 1.40% | 22,389 | 1.29% | 47,403 | 1.34% | 3.69% |
| **19** | 25,747 | 1.44% | 23,467 | 1.35% | 49,214 | 1.39% | 5.08% |
| **20** | 27,556 | 1.54% | 24,908 | 1.43% | 52,464 | 1.49% | 6.57% |
| **21** | 28,493 | 1.59% | 26,016 | 1.50% | 54,509 | 1.54% | 8.11% |
| **22** | 29,543 | 1.65% | 26,654 | 1.53% | 56,197 | 1.59% | 9.70% |
| **23** | 31,358 | 1.75% | 28,281 | 1.63% | 59,639 | 1.69% | 11.39% |
| **24** | 31,346 | 1.75% | 28,476 | 1.64% | 59,822 | 1.69% | 13.08% |
| **25-34** | 352,058 | 19.67% | 320,791 | 18.44% | 672,849 | 19.06% | 32.14% |
| **35-44** | 385,014 | 21.51% | 376,703 | 21.65% | 761,717 | 21.58% | 53.72% |
| **45-54** | 332,325 | 18.57% | 335,251 | 19.27% | 667,576 | 18.91% | 72.63% |
| **55-64** | 216,569 | 12.10% | 220,759 | 12.69% | 437,328 | 12.39% | 85.02% |
| **65-74** | 151,079 | 8.44% | 151,385 | 8.70% | 302,464 | 8.57% | 93.59% |
| **75 & Older** | 109,788 | 6.13% | 115,626 | 6.65% | 225,414 | 6.39% | 100.00% |
| **TOTALS** | **1,789,687** | **100.00%** | **1,740,045** | **100.00%** | **3,529,732** | **100.00%** | **100.00%** |

Includes 32,524 graduated licenses for ages 16 to 18. Source, Motor Vehicle Division.

***According to the National Safety Council, traffic crashes are still the number one cause of death among children and young adults.***

***Additionally, young drivers are involved in fatal traffic crashes at over twice the rate as the rest of the population.***

## Table 5-8
## Driver Involvement by Age

| Driver Age Group | Total | Percent | Fatal | Percent | Injury | Percent | PDOs | Percent |
|---|---|---|---|---|---|---|---|---|
| **15 & Younger** | 967 | 0.39% | 8 | 0.58% | 394 | 0.42% | 565 | 0.37% |
| **16** | 5,006 | 2.02% | 14 | 1.01% | 1,865 | 2.01% | 3,127 | 2.03% |
| **17** | 7,018 | 2.83% | 28 | 2.03% | 2,680 | 2.89% | 4,310 | 2.80% |
| **18** | 8,656 | 3.49% | 39 | 2.83% | 3,393 | 3.65% | 5,224 | 3.39% |
| **19** | 8,547 | 3.44% | 40 | 2.90% | 3,235 | 3.48% | 5,272 | 3.42% |
| **20** | 7,770 | 3.13% | 46 | 3.33% | 2,943 | 3.17% | 4,781 | 3.10% |
| **21** | 7,366 | 2.97% | 50 | 3.62% | 2,874 | 3.10% | 4,442 | 2.88% |
| **22** | 6,753 | 2.72% | 42 | 3.04% | 2,584 | 2.78% | 4,127 | 2.67% |
| **23** | 6,416 | 2.58% | 38 | 2.75% | 2,527 | 2.72% | 3,851 | 2.50% |
| **24** | 6,151 | 2.48% | 38 | 2.75% | 2,355 | 2.54% | 3,758 | 2.44% |
| **25-34** | 54,385 | 21.90% | 293 | 21.23% | 20,844 | 22.45% | 33,248 | 21.58% |
| **35-44** | 45,877 | 18.48% | 235 | 17.03% | 17,490 | 18.84% | 28,152 | 18.27% |
| **45-54** | 32,257 | 12.99% | 179 | 12.97% | 12,217 | 13.16% | 19,861 | 12.89% |
| **55-64** | 17,491 | 7.04% | 115 | 8.33% | 6,720 | 7.24% | 10,656 | 6.92% |
| **65-74** | 10,308 | 4.15% | 74 | 5.36% | 3,994 | 4.30% | 6,240 | 4.05% |
| **75 & Older** | 7,523 | 3.03% | 92 | 6.67% | 2,991 | 3.22% | 4,640 | 3.01% |
| **Not Reported** | 15,817 | 6.37% | 49 | 3.55% | 3,730 | 4.02% | 11,838 | 7.68% |
| **TOTALS** | **248,308** | **100.00%** | **1,380** | **100.00%** | **92,836** | **100.00%** | **154,092** | **100.00%** |

# Table 5-9
# Driver Errors

| Contributing Circumstances | Total Drivers | Percent of Total Drivers | Fatal Drivers | Percent of Fatal Drivers | Injury Drivers | Percent of Injury Drivers | PDO Drivers | Percent of PDO Drivers |
|---|---|---|---|---|---|---|---|---|
| **Exceeded Lawful Speed** | 1,317 | 0.53% | 60 | 4.35% | 644 | 0.69% | 613 | 0.40% |
| **Speeding *** | 47,185 | 19.00% | 302 | 21.88% | 18,052 | 19.44% | 28,831 | 18.71% |
| **Failed to Yield** | 27,024 | 10.88% | 97 | 7.03% | 11,599 | 12.49% | 15,328 | 9.95% |
| **Ran Stop Sign** | 1,474 | 0.59% | 19 | 1.38% | 705 | 0.76% | 750 | 0.49% |
| **Disregarded Signal** | 5,349 | 2.15% | 34 | 2.46% | 2,950 | 3.18% | 2,365 | 1.53% |
| **Opposing Lane** | 1,448 | 0.58% | 75 | 5.43% | 572 | 0.62% | 801 | 0.52% |
| **Followed too Closely** | 4,313 | 1.74% | 1 | 0.07% | 1,436 | 1.55% | 2,876 | 1.87% |
| **Improper Turn** | 4,210 | 1.70% | 10 | 0.72% | 1,065 | 1.15% | 3,135 | 2.03% |
| **Driver Inattention** | 12,590 | 5.07% | 46 | 3.33% | 3,783 | 4.07% | 8,761 | 5.69% |
| **Other Improper Driving** | 7,089 | 2.85% | 58 | 4.20% | 1,979 | 2.13% | 5,052 | 3.28% |
| **Faulty Equipment** | 313 | 0.13% | 5 | 0.36% | 105 | 0.11% | 203 | 0.13% |
| **Unsafe Lane Change** | 6,262 | 2.52% | 13 | 0.94% | 1,102 | 1.19% | 5,147 | 3.34% |
| **Unsafe Passing** | 1,171 | 0.47% | 5 | 0.36% | 246 | 0.26% | 920 | 0.60% |
| **No Improper Driving** | 115,330 | 46.45% | 519 | 37.61% | 44,790 | 48.25% | 70,021 | 45.44% |
| **Not stated** | 13,235 | 5.33% | 136 | 9.86% | 3,810 | 4.10% | 9,289 | 6.03% |
| | | | | | | | | |
| **TOTALS** | **248,310** | **100.00%** | **1,380** | **100.00%** | **92,838** | **100.00%** | **154,092** | **100.00%** |

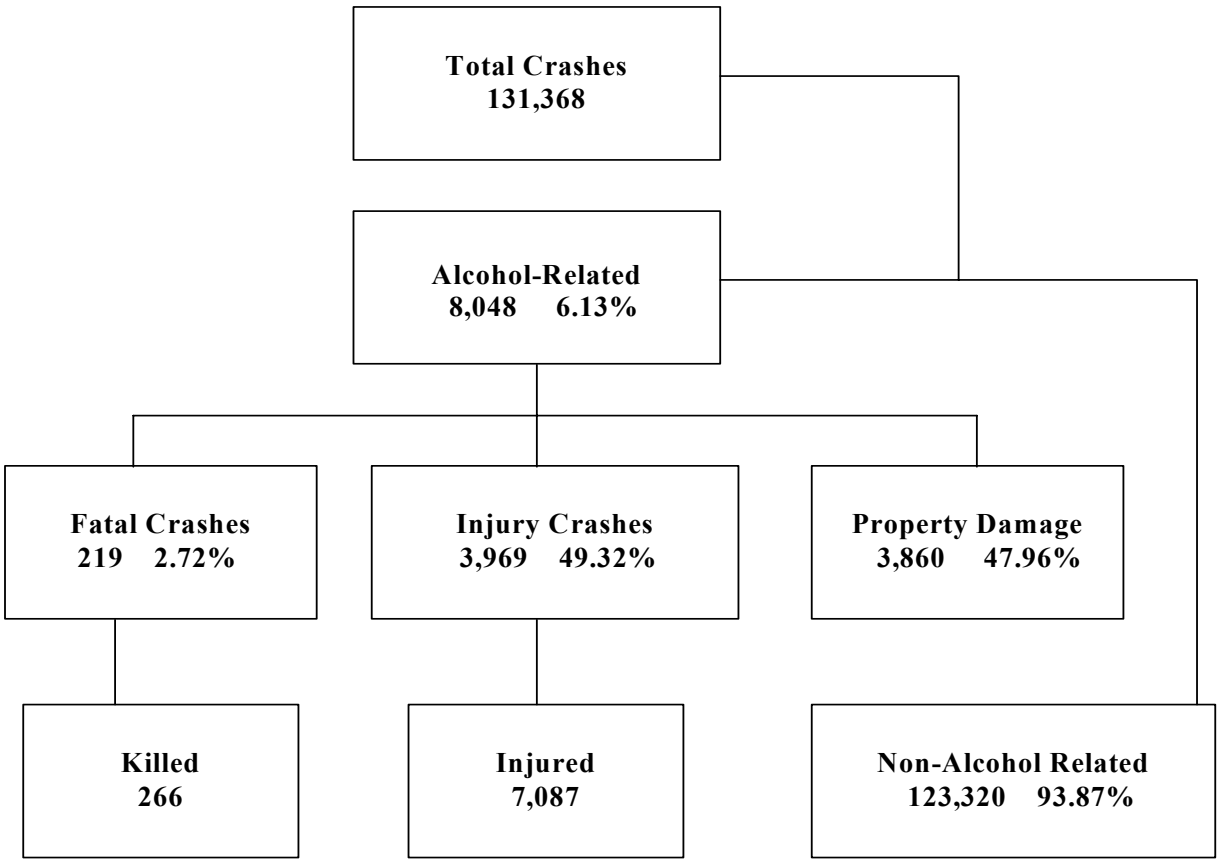
*** Speeding too fast for conditions**

# Table 5-10
# Driver Physical Condition

| Driver Condition | Total Drivers | % of Total Drivers | Fatal Drivers | % of Fatal Drivers | Injury Drivers | % of Injury Drivers | PDO Drivers | % of PDO Drivers |
|---|---|---|---|---|---|---|---|---|
| **No Apparent Influence** | 216,887 | 87.35% | 771 | 55.87% | 81,579 | 87.87% | 134,537 | 87.31% |
| **Impaired Had Been Drinking** | 8,161 | 3.29% | 230 | 16.67% | 4,038 | 4.35% | 3,893 | 2.53% |
| **Other Physical Impairment** | 570 | 0.23% | 3 | 0.22% | 277 | 0.30% | 290 | 0.19% |
| **Ill, Ability Influenced** | 411 | 0.17% | 5 | 0.36% | 235 | 0.25% | 171 | 0.11% |
| **Sleepy, Fatigued** | 1,617 | 0.65% | 44 | 3.19% | 801 | 0.86% | 772 | 0.50% |
| **Under Influence Of Drugs*** | 640 | 0.26% | 32 | 2.32% | 298 | 0.32% | 310 | 0.20% |
| **Not Reported/Unknown** | 20,024 | 8.06% | 295 | 21.38% | 5,610 | 6.04% | 14,119 | 9.16% |
| | | | | | | | | |
| **TOTALS** | **248,310** | **100.0%** | **1,380** | **100.0%** | **92,838** | **100.0%** | **154,092** | **100.0%** |

*Narcotic or Prescription

# Section 6:
# Alcohol Related Crashes




The statistics in the Alcohol-Related section represent those crashes where the investigating officer indicated that a driver had been drinking an alcoholic beverage and may or may not be substantiated by a blood or breath test. No assumption is to be made that the person was legally intoxicated (blood alcohol content of 0.1% or higher) at the time the crash took place.

## Economic Loss due to Alcohol-Related Crashes in Arizona for 2000

| | |
|---|---|
| **Fatalities** | **$266,000,000.** |
| **Injuries** | **$339,467,300.** |
| **Property Damage** | **$ 25,090,000.** |
| **Total** | **$630,557,300.** |

## Table 6-1
## 1995 to 2000 - Alcohol-Related Crashes

| Year | Alcohol-Related Crashes | Percent of all Crashes | Victims Killed | Percent of all Fatalities |
|---|---|---|---|---|
| **1995** | 7,947 | 6.98% | 261 | 25.17% |
| **1996** | 7,748 | 6.86% | 272 | 27.34% |
| **1997** | 7,348 | 6.44% | 249 | 26.24% |
| **1998** | 7,610 | 6.33% | 268 | 27.35% |
| **1999** | 7,756 | 6.16% | 267 | 26.07% |
| **2000** | 8,048 | 6.13% | 266 | 25.67% |

## Table 6-2
## Manner of Collision in Alcohol-Related Crashes

| Manner Of Collision | Number of Crashes | | | | | |
|---|---|---|---|---|---|---|
| | Total | Percent of all Crashes | Fatal | Percent of Fatal Crashes | Injury | Percent of Injury Crashes |
| **Single Vehicle** | 3,471 | 42.53% | 113 | 49.13% | 1,621 | 38.72% |
| **Head On** | 187 | 2.29% | 37 | 16.09% | 151 | 3.61% |
| **Rear End** | 2,016 | 24.70% | 27 | 11.74% | 1,062 | 25.37% |
| **Sideswipe Opposite Direction** | 132 | 1.62% | 2 | 0.87% | 57 | 1.36% |
| **Sideswipe Same Direction** | 466 | 5.71% | 7 | 3.04% | 177 | 4.23% |
| **Left Turn** | 594 | 7.28% | 10 | 4.35% | 400 | 9.56% |
| **Other Angle** | 940 | 11.52% | 22 | 9.57% | 566 | 13.52% |
| **Backing Into** | 79 | 0.97% | 1 | 0.43% | 13 | 0.31% |
| **U Turn** | 72 | 0.88% | 2 | 0.87% | 41 | 0.98% |
| **Other** | 204 | 2.50% | 9 | 3.91% | 98 | 2.34% |
| **TOTALS** | **8,161** | 100.00% | **230** | 100.00% | **4,186** | 100.00% |

## Table 6-3
## Alcohol-Related Crashes by First Harmful Event/

| First Harmful Event | Number of Crashes | | | | Number of Persons | |
|---|---|---|---|---|---|---|
| | Total | Fatal | Injury | PDO | Killed | Injured |
| **Overturning** | 403 | 51 | 251 | 101 | 63 | 471 |
| **Pedestrian** | 49 | 11 | 38 | 0 | 13 | 48 |
| **Motor Veh. In Transit** | 4,454 | 100 | 2,344 | 2,010 | 125 | 4,774 |
| **Motor Veh. Other Roadway** | 2 | 0 | 2 | 0 | 0 | 6 |
| **Pedalcylist** | 24 | 1 | 20 | 3 | 1 | 22 |
| **Animal** | 12 | 0 | 5 | 7 | 0 | 6 |
| **Fixed Object** | 2,414 | 48 | 1,061 | 1,305 | 55 | 1,436 |
| **Other Object** | 488 | 3 | 150 | 335 | 3 | 204 |
| **Miscellaneouus** | 202 | 5 | 98 | 99 | 6 | 120 |
| **TOTALS** | **8,048** | **219** | **3,969** | **3,860** | **266** | **7,087** |

## Section 6: Alcohol-Related Crashes

### Table 6-4
### Alcohol-Related Crashes by Vehicle Type

| Motor Vehicle Type | Total Number of Vehicles | Percent | Number of Vehicles | | |
|---|---|---|---|---|---|
| | | | Fatal | Injury | PDO |
| **Passenger Car** | 5,427 | 66.50% | 136 | 2,623 | 2,668 |
| **Motor Home or House Car** | 3 | 0.04% | 0 | 1 | 2 |
| **Pickup Truck (Incl. Panel & Mini Bus)** | 2,430 | 29.78% | 68 | 1,213 | 1,149 |
| **Truck Tractor and Semi-Trailer** | 17 | 0.21% | 0 | 8 | 9 |
| **Other Truck Combination** | 47 | 0.58% | 1 | 16 | 30 |
| **RV (all wheel drive, dune buggy)** | 20 | 0.25% | 1 | 13 | 6 |
| **Farm Tractor and/or Farm Equipment** | 0 | 0% | 0 | 0 | 0 |
| **Taxicab** | 2 | 0.02% | 0 | 2 | 0 |
| **Bus** | 1 | 0.01% | 0 | 1 | 0 |
| **School Bus** | 0 | 0% | 0 | 0 | 0 |
| **Motorcycle** | 174 | 2.13% | 21 | 149 | 4 |
| **Motor Scooter or Motor Bicycle** | 2 | 0.02% | 0 | 2 | 0 |
| **Other Special Vehicles** | 9 | 0.11% | 0 | 5 | 4 |
| **Vehicle Type Not Reported** | 29 | 0.36% | 3 | 5 | 21 |
| **TOTALS** | **8,161** | 100.00% | **230** | **4,038** | **3,893** |

### Table 6-5
### Light Conditions - Alcohol-Related Crashes

| Light Condition | Number of Crashes | | | |
|---|---|---|---|---|
| | Total | Fatal | Injury | PDO |
| **Daylight** | 2,289 | 61 | 1,108 | 1,120 |
| **Dawn or Dusk** | 379 | 13 | 196 | 170 |
| **Darkness** | 5,365 | 145 | 2,655 | 2,565 |
| **Not Reported** | 15 | 0 | 10 | 5 |
| **TOTALS** | **8,048** | **219** | **3,969** | **3,860** |

### Table 6-6
### Road Surface Conditions - Alcohol-Related Crashes

| | Number of Crashes | | | |
|---|---|---|---|---|
| | Total | Fatal | Injury | PDO |
| **Dry** | 7,207 | 190 | 3,581 | 3,436 |
| **Wet** | 405 | 11 | 197 | 197 |
| **Snowy or Icy** | 36 | 2 | 16 | 18 |
| **Other** | 219 | 8 | 98 | 113 |
| **Not Reported** | 181 | 8 | 77 | 96 |
| **TOTALS** | **8,048** | **219** | **3,969** | **3,860** |

## Table 6-7
## Age of Driver - Alcohol-Related Crashes

| Driver Age | Total Drivers | Percent of all Drivers | Drivers In Fatal Crashes | Percent of all Fatal Drivers | Drivers In Injury Crashes | Percent of all Injury Drivers |
|---|---|---|---|---|---|---|
| **15** | 29 | 0.36% | 1 | 0.43% | 15 | 0.37% |
| **16** | 54 | 0.66% | 1 | 0.43% | 24 | 0.59% |
| **17** | 117 | 1.43% | 2 | 0.87% | 57 | 1.41% |
| **18** | 235 | 2.88% | 8 | 3.48% | 118 | 2.92% |
| **19** | 278 | 3.41% | 7 | 3.04% | 143 | 3.54% |
| **20** | 296 | 3.63% | 11 | 4.78% | 144 | 3.57% |
| **21** | 394 | 4.83% | 14 | 6.09% | 201 | 4.98% |
| **22** | 350 | 4.29% | 11 | 4.78% | 186 | 4.61% |
| **23** | 354 | 4.34% | 14 | 6.09% | 165 | 4.09% |
| **24** | 343 | 4.20% | 14 | 6.09% | 170 | 4.26% |
| **25-34** | 2,319 | 28.42% | 71 | 30.87% | 1,151 | 28.50% |
| **35-44** | 1,780 | 21.81% | 34 | 14.78% | 915 | 22.66% |
| **45-54** | 868 | 10.64% | 21 | 9.13% | 421 | 10.43% |
| **55-64** | 360 | 4.41% | 8 | 3.48% | 175 | 4.33% |
| **65-74** | 138 | 1.69% | 5 | 2.17% | 61 | 1.51% |
| **75 & Older** | 58 | 0.71% | 3 | 1.30% | 26 | 0.64% |
| **Not Reported** | 188 | 2.30% | 5 | 2.17% | 66 | 1.63% |
| **TOTALS** | **8,161** | 100.00% | **230** | 100.00% | **4,038** | 100.00% |

*The National Highway Traffic Safety Administration estimates that 38% (drivers, pedestrians, and bicyclists) of all fatal U.S. crashes involved alcohol. According to preliminary state records, alcohol was involved in 24.6% (drivers only) of the fatal crashes in Arizona during 2000.*

## Table 6-8
## Driver Gender - Alcohol-Related Crashes

| Driver Gender | Total Drivers | Percent of All Drivers | Drivers In Fatal Crashes | Percent of Fatal Drivers | Drivers in Injury Crashes | Percent of Injury Drivers |
|---|---|---|---|---|---|---|
| **Male** | 6,614 | 81.04% | 191 | 83.04% | 3,285 | 81.35% |
| **Female** | 1,466 | 17.97% | 35 | 15.22% | 733 | 18.15% |
| **Not Reported** | 81 | 0.99% | 4 | 1.74% | 20 | 0.50% |
| **TOTALS** | **8,161** | 100.00% | **230** | 100.00% | **4,038** | 100.00% |

## Table 6-9
## Safety Restraints - Drinking Drivers

| Drivers | Number of Drinking Drivers | | | | |
|---|---|---|---|---|---|
| | No Injury | Possible Injury | Non-Incapacitating Injury | Incapacitating Injury | Fatal |
| **Restraint Used** | 3,071 | 425 | 541 | 187 | 19 |
| **No restraint Used** | 701 | 184 | 461 | 302 | 89 |
| **Restraint Use Unknown** | 1,335 | 206 | 271 | 138 | 12 |
| **TOTALS** | 5,107 | 815 | 1,273 | 627 | 120 |

## Table 6-10
## Persons Killed and Injured in Alcohol-Related Crashes

| Victims Age | Total Killed | Male | Female | Total Injured | Male | Female | Sex Unk. |
|---|---|---|---|---|---|---|---|
| **0 - 4** | 7 | 4 | 3 | 111 | 57 | 54 | 0 |
| **5 - 9** | 4 | 1 | 3 | 157 | 102 | 55 | 0 |
| **10 - 14** | 5 | 3 | 2 | 184 | 87 | 97 | 0 |
| **15 - 19** | 37 | 28 | 9 | 924 | 565 | 358 | 1 |
| **20 - 24** | 56 | 46 | 10 | 1,366 | 951 | 413 | 2 |
| **25 - 34** | 59 | 46 | 13 | 1,749 | 1,191 | 557 | 1 |
| **35 - 44** | 42 | 34 | 8 | 1,240 | 807 | 433 | 0 |
| **45 - 54** | 26 | 16 | 10 | 675 | 428 | 246 | 1 |
| **55 - 64** | 14 | 9 | 5 | 310 | 190 | 120 | 0 |
| **65 - 74** | 7 | 6 | 1 | 171 | 88 | 83 | 0 |
| **75 & Older** | 7 | 4 | 3 | 71 | 41 | 30 | 0 |
| **Not Reported** | 2 | 1 | 1 | 129 | 85 | 39 | 5 |
| **TOTALS** | **266** | **198** | **68** | **7,087** | **4,592** | **2,485** | **10** |

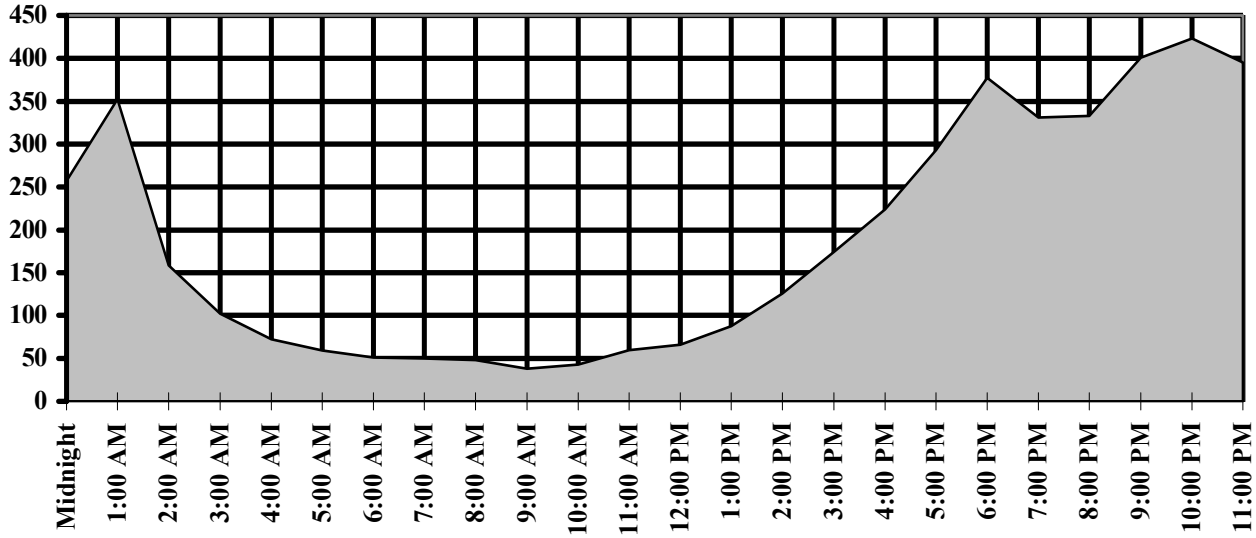
## Table 6-11
## When Alcohol-Related Crashes Occurred in 2000

| | Total | Weekday** | Weekend |
|---|---|---|---|
| **Daytime*** | **2,018** | **1,210** | **808** |
| **Nighttime** | **6,030** | **2,315** | **3,715** |
| **Total** | **8,048** | **3,525** | **4,523** |

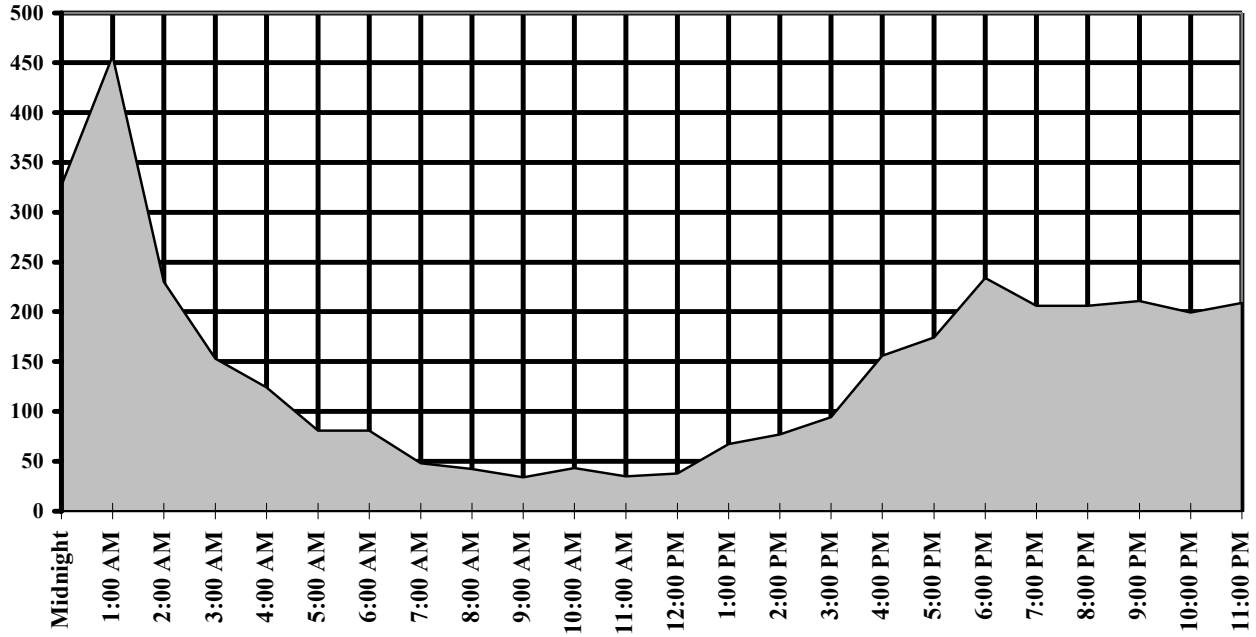
**Weekend begins at 6:00 p.m. on Friday and continues through 6:00 a.m. Monday. All other times and days are considered Weekdays.
***Daytime refers to the hours between 6:00 a.m. and 6:00 p.m.

***According to the NHTSA, about 3 in every 10 Americans will be involved in an alcohol-related crash as some time in their lives.***

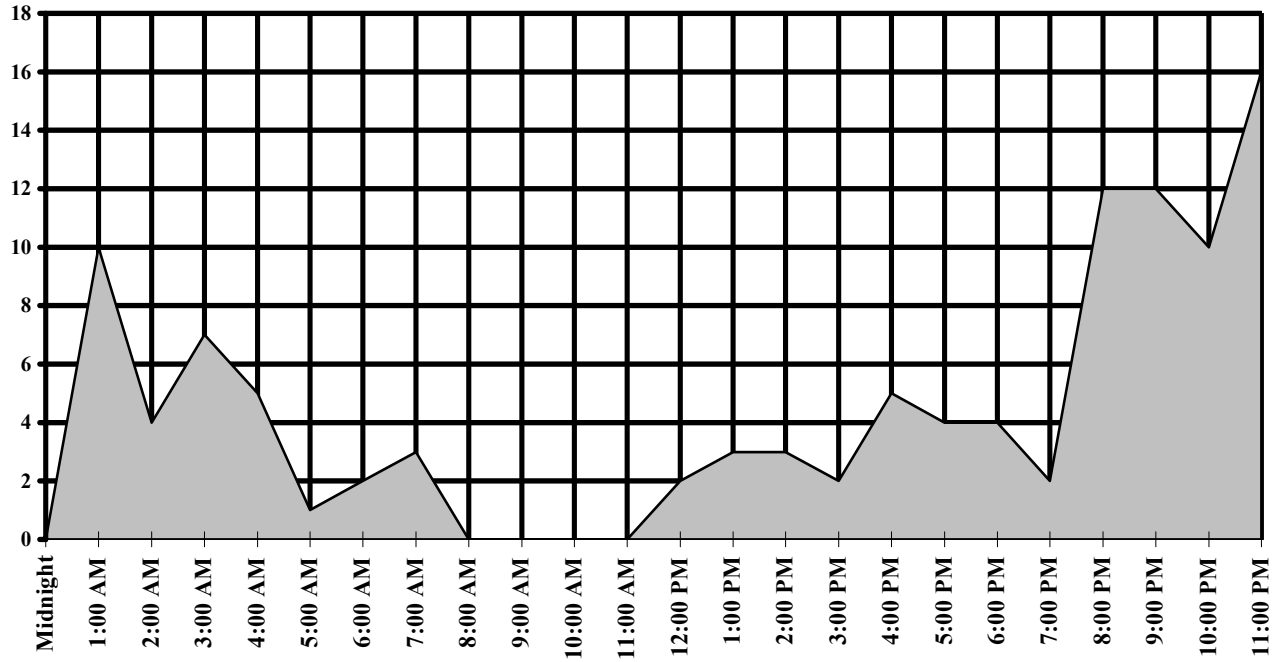
## Figures 6-1 and 6-2
## Alcohol-Related Crashes
## Weekdays



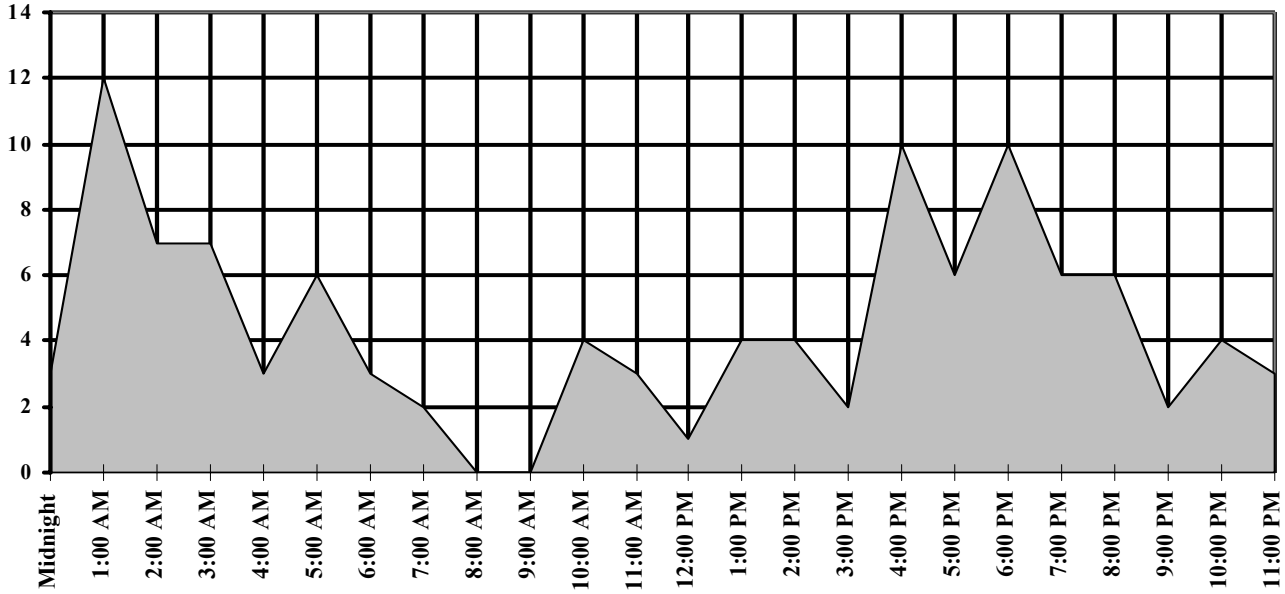

## Weekends



## Figures 6-3 and 6-4
## Fatal Alcohol-Related Crashes
## Weekdays



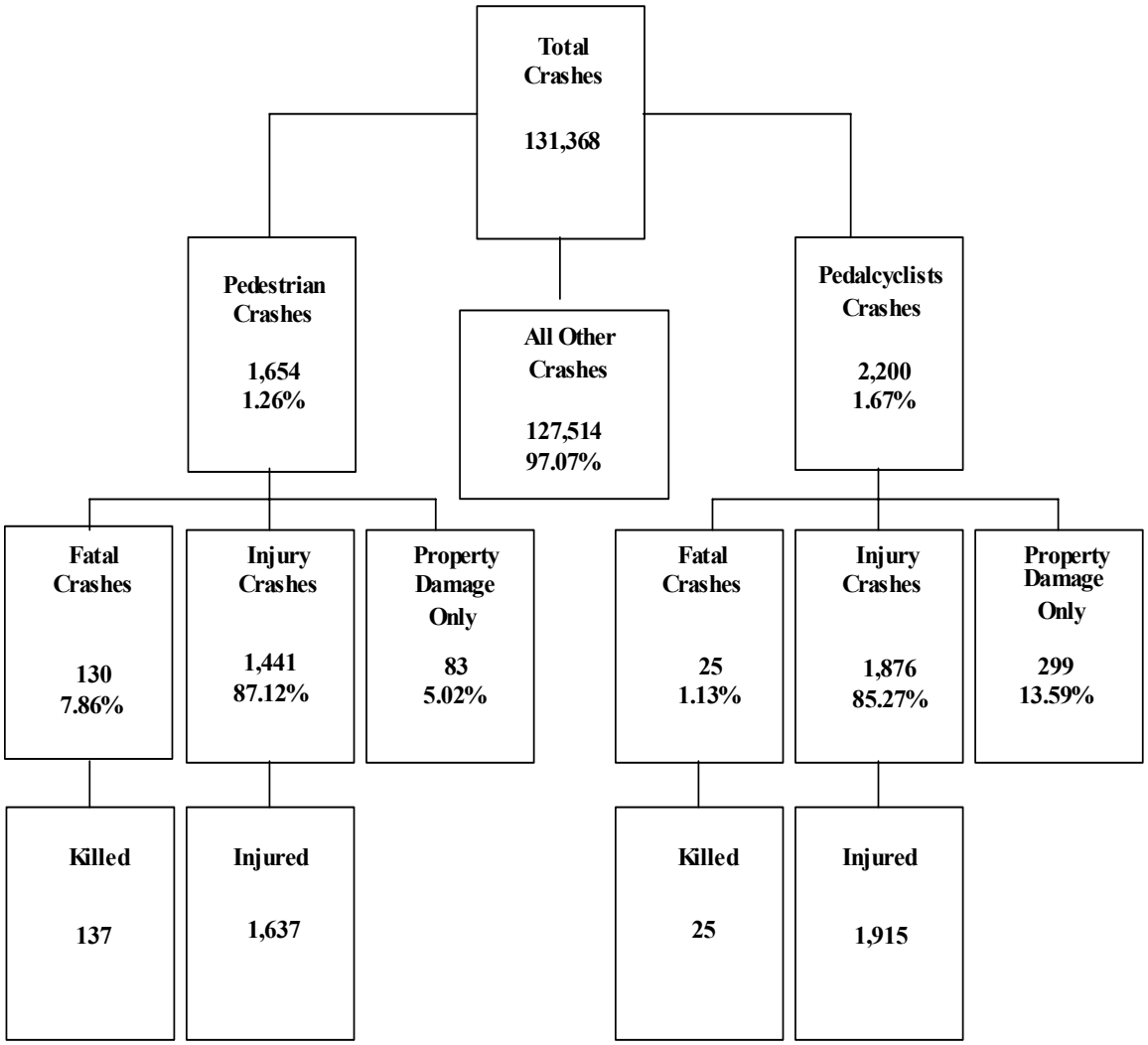

## Weekends



# Table 6-13
# Alcohol-Related Crashes
# Injury Severity by Hour and Day of Week

| Hour Beginning | Total Crashes | | Monday | | Tuesday | | Wednesday | | Thursday | | Friday | | Saturday | | Sunday | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | All | Fatal | All | Fatal | All | Fatal | All | Fatal | All | Fatal | All | Fatal | All | Fatal | All | Fatal |
| **Midnight** | **584** | **7** | 47 | 0 | 33 | 0 | 46 | 2 | 50 | 1 | 81 | 1 | 165 | 1 | 162 | 2 |
| **1:00** | **809** | **22** | 63 | 2 | 54 | 2 | 53 | 1 | 73 | 2 | 111 | 3 | 252 | 8 | 203 | 4 |
| **2:00** | **389** | **11** | 35 | 0 | 17 | 1 | 25 | 2 | 32 | 1 | 50 | 0 | 122 | 3 | 108 | 4 |
| **3:00** | **255** | **14** | 26 | 1 | 13 | 1 | 16 | 1 | 24 | 2 | 23 | 2 | 79 | 5 | 74 | 2 |
| **4:00** | **196** | **8** | 19 | 1 | 10 | 1 | 17 | 1 | 12 | 2 | 14 | 0 | 65 | 1 | 59 | 2 |
| **5:00** | **140** | **7** | 12 | 0 | 12 | 0 | 10 | 0 | 12 | 1 | 13 | 0 | 36 | 2 | 45 | 4 |
| **6:00** | **132** | **5** | 17 | 1 | 2 | 0 | 9 | 0 | 7 | 0 | 16 | 1 | 41 | 2 | 40 | 1 |
| **7:00** | **98** | **5** | 12 | 1 | 10 | 2 | 7 | 0 | 3 | 0 | 18 | 0 | 20 | 2 | 28 | 0 |
| **8:00** | **90** | **0** | 12 | 0 | 9 | 0 | 7 | 0 | 8 | 0 | 12 | 0 | 27 | 0 | 15 | 0 |
| **9:00** | **72** | **0** | 8 | 0 | 4 | 0 | 5 | 0 | 11 | 0 | 10 | 0 | 20 | 0 | 14 | 0 |
| **10:00** | **86** | **4** | 10 | 0 | 5 | 0 | 6 | 0 | 10 | 0 | 12 | 0 | 28 | 3 | 15 | 1 |
| **11:00** | **95** | **3** | 7 | 0 | 10 | 0 | 11 | 0 | 13 | 0 | 19 | 0 | 23 | 2 | 12 | 1 |
| **Noon** | **104** | **3** | 14 | 0 | 12 | 1 | 17 | 1 | 13 | 0 | 10 | 0 | 27 | 0 | 11 | 1 |
| **1:00** | **155** | **7** | 18 | 1 | 14 | 1 | 14 | 0 | 17 | 1 | 25 | 0 | 33 | 3 | 34 | 1 |
| **2:00** | **203** | **7** | 28 | 2 | 20 | 0 | 22 | 0 | 30 | 0 | 26 | 1 | 46 | 3 | 31 | 1 |
| **3:00** | **268** | **4** | 30 | 0 | 32 | 0 | 31 | 0 | 27 | 0 | 54 | 2 | 39 | 0 | 55 | 2 |
| **4:00** | **380** | **15** | 37 | 0 | 36 | 2 | 41 | 2 | 45 | 1 | 65 | 0 | 94 | 7 | 62 | 3 |
| **5:00** | **467** | **10** | 49 | 0 | 59 | 1 | 56 | 2 | 52 | 1 | 77 | 0 | 94 | 4 | 80 | 2 |
| **6:00** | **611** | **14** | 59 | 1 | 68 | 0 | 73 | 1 | 62 | 2 | 115 | 0 | 116 | 4 | 118 | 6 |
| **7:00** | **537** | **8** | 49 | 0 | 49 | 0 | 67 | 0 | 59 | 1 | 107 | 1 | 116 | 2 | 90 | 4 |
| **8:00** | **539** | **18** | 58 | 4 | 51 | 2 | 58 | 1 | 63 | 1 | 103 | 4 | 101 | 5 | 105 | 1 |
| **9:00** | **612** | **14** | 50 | 4 | 58 | 0 | 80 | 4 | 79 | 1 | 134 | 3 | 125 | 1 | 86 | 1 |
| **10:00** | **622** | **14** | 52 | 1 | 52 | 1 | 68 | 5 | 74 | 1 | 177 | 2 | 113 | 1 | 86 | 3 |
| **11:00** | **604** | **19** | 46 | 1 | 65 | 4 | 78 | 4 | 62 | 1 | 144 | 6 | 148 | 3 | 61 | 0 |
| **Not Reported** | **0** | **0** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **TOTALS** | **8,048** | **219** | **758** | **20** | **695** | **19** | **817** | **27** | **838** | **19** | **1,416** | **26** | **1,930** | **62** | **1,594** | **46** |

# Section 7:
# Pedestrian and Pedalcyclist Crashes



## Section 7: Pedestrian and Pedalcyclist Crashes

### Table 7-1
### Pedestrians By Age and Gender

| Age Group | Persons Killed | | | Persons Injured | | | |
|---|---|---|---|---|---|---|---|
| | Total | Male | Female | Total | Male | Female | Not Reported |
| **0-4** | 1 | 1 | 0 | 52 | 29 | 23 | 0 |
| **5-9** | 7 | 5 | 2 | 149 | 89 | 59 | 1 |
| **10-14** | 8 | 6 | 2 | 180 | 118 | 62 | 0 |
| **15-19** | 8 | 8 | 0 | 224 | 129 | 95 | 0 |
| **20-24** | 6 | 4 | 2 | 131 | 74 | 57 | 0 |
| **25-34** | 17 | 13 | 4 | 208 | 126 | 81 | 1 |
| **35-44** | 22 | 20 | 2 | 228 | 162 | 66 | 0 |
| **45-54** | 24 | 18 | 6 | 188 | 129 | 59 | 0 |
| **55-64** | 15 | 10 | 5 | 86 | 52 | 34 | 0 |
| **65-74** | 19 | 15 | 4 | 59 | 45 | 14 | 0 |
| **75 & Older** | 10 | 7 | 3 | 44 | 27 | 17 | 0 |
| **Not Reported** | 0 | 0 | 0 | 88 | 65 | 20 | 3 |
| **Total** | **137** | **107** | **30** | **1,637** | **1,045** | **587** | **5** |

*Nationally, on average, a pedestrian is killed in a motor vehicle crash every 112 minutes, and one is injured every 6.4 minutes.*

### Table 7-2
### Pedestrian Crashes

| Statewide | Total | Urban | Rural |
|---|---|---|---|
| **Number of Crashes** | 1,654 | 1,502 | 152 |
| **Persons Killed** | 137 | 102 | 35 |
| **Persons Injured** | 1,637 | 1,435 | 202 |
| **Property Damage Only** | 83 | 75 | 8 |

### Table 7-3
### Pedestrian Crash History

| Year | Number of Pedestrians | |
|---|---|---|
| | Fatal | Injury |
| **1991** | 121 | 1,369 |
| **1992** | 141 | 1,420 |
| **1993** | 140 | 1,445 |
| **1994** | 151 | 1,593 |
| **1995** | 179 | 1,634 |
| **1996** | 165 | 1,621 |
| **1997** | 153 | 1,624 |
| **1998** | 161 | 1,594 |
| **1999** | 148 | 1,571 |
| **2000** | 137 | 1,637 |

***Across the U.S., approximately 78,000 pedestrians were injured and 4,739 were killed in traffic crashes, representing 2.4 percent of all the people injured and 11.3 percent of all traffic fatalities.***

# Table 7-4
# Pedestrians Killed

| Pedestrian Action | Total | 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-44 | 45-64 | 65 & Older | Not Reported |
|---|---|---|---|---|---|---|---|---|---|---|
| **Crossing Road** | **86** | 1 | 4 | 4 | 5 | 3 | 25 | 23 | 21 | 0 |
| **Walking In Roadway With Traffic** | **6** | 0 | 0 | 0 | 2 | 0 | 2 | 2 | 0 | 0 |
| **Walking In Roadway Against Traffic** | **8** | 0 | 1 | 0 | 0 | 0 | 2 | 3 | 2 | 0 |
| **Standing In Roadway** | **8** | 0 | 0 | 0 | 0 | 0 | 4 | 3 | 1 | 0 |
| **Pushing or Working On Veh. In Roadway** | **1** | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| **Other Working In Roadway** | **0** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Lying In Roadway** | **1** | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| **Getting On or Off Veh. In Roadway** | **0** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Other In Actions In Roadway** | **14** | 0 | 1 | 1 | 0 | 0 | 3 | 5 | 4 | 0 |
| **Unknown** | **13** | 0 | 1 | 3 | 1 | 2 | 2 | 3 | 1 | 0 |
| **Not Reported** | **0** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **TOTALS** | **137** | **1** | **7** | **8** | **8** | **6** | **39** | **39** | **29** | **0** |

# Table 7-5
# Pedestrians Injured

| Pedestrian Action | Total | 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-44 | 45-64 | 65& Older | Not Reported |
|---|---|---|---|---|---|---|---|---|---|---|
| **Crossing Road** | **1,032** | 32 | 111 | 122 | 136 | 68 | 267 | 185 | 69 | 42 |
| **Walking In Roadway With Traffic** | **93** | 1 | 7 | 12 | 10 | 8 | 25 | 15 | 10 | 5 |
| **Walking In Roadway Against Traffic** | **80** | 0 | 3 | 10 | 10 | 7 | 23 | 15 | 7 | 5 |
| **Standing In Roadway** | **89** | 4 | 2 | 3 | 12 | 11 | 31 | 15 | 6 | 5 |
| **Pushing or Working On Veh. In Roadway** | **19** | 0 | 0 | 0 | 1 | 6 | 8 | 2 | 2 | 0 |
| **Other Working In Roadway** | **8** | 0 | 0 | 1 | 0 | 2 | 2 | 1 | 1 | 1 |
| **Lying In Roadway** | **1** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| **Getting On or Off Veh. In Roadway** | **20** | 0 | 3 | 1 | 4 | 1 | 4 | 3 | 2 | 2 |
| **Other In Actions In Roadway** | **202** | 8 | 20 | 17 | 39 | 21 | 51 | 28 | 2 | 16 |
| **Unkmown** | **93** | 7 | 3 | 14 | 12 | 7 | 25 | 10 | 3 | 12 |
| **Not Reported** | **0** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **TOTALS** | **1,637** | **52** | **149** | **180** | **224** | **131** | **436** | **274** | **103** | **88** |

# Table 7-6
# Pedestrian Physical Condition

| Pedestrian Condition | Total | % of Total Peds | Fatal | % of Fatal Peds | Injury | % of Injury Peds | PDO | % of PDO Peds |
|---|---|---|---|---|---|---|---|---|
| **No Apparent Impairment** | **1,249** | **67.04%** | 42 | 30.66% | 1,142 | 69.76% | 65 | 73.03% |
| **Impaired Had Been Drinking** | **259** | **13.90%** | 36 | 26.28% | 221 | 13.50% | 2 | 2.25% |
| **Other Bodily Impairment** | **25** | **1.34%** | 4 | 2.92% | 18 | 1.10% | 3 | 3.37% |
| **Ill, Ability Influenced** | **3** | **0.16%** | 1 | 0.73% | 1 | 0.06% | 1 | 1.12% |
| **Sleepy, Fatigued** | **3** | **0.16%** | 1 | 0.73% | 2 | 0.12% | 0 | 0% |
| **Under Influence Of Drugs*** | **12** | **0.64%** | 4 | 2.92% | 8 | 0.49% | 0 | 0% |
| **Not Reported/Unknown** | **312** | **16.75%** | 49 | 35.77% | 245 | 14.97% | 18 | 20.22% |
| **TOTALS** | **1,863** | **100.0%** | **137** | **100.0%** | **1,637** | **100.0%** | **89** | **100.0%** |

*Narcotic or Prescription

## Table 7-7
## Lighting Conditions - Pedestrian Crashes

| Lighting Conditions | Number of Pedestrian Crashes | | | |
|---|---|---|---|---|
| | Total | Fatal | Injury | PDOs |
| **Daylight** | **985** | 32 | 902 | 51 |
| **Darkness** | **573** | 93 | 450 | 30 |
| **Dawn or Dusk** | **92** | 3 | 87 | 2 |
| **Not Reported** | **4** | 2 | 2 | 0 |
| **TOTALS** | **1,654** | 130 | 1,441 | 83 |

## Table 7-8
## Weather Conditions - Pedestrian Crashes

| Weather Conditions | Number of Pedestrian Crashes | | | |
|---|---|---|---|---|
| | Total | Fatal | Injury | PDOs |
| **Clear** | **1,437** | 114 | 1,255 | 75 |
| **Raining** | **51** | 2 | 48 | 1 |
| **Cloudy** | **137** | 8 | 123 | 6 |
| **Snowing** | **6** | 1 | 4 | 1 |
| **Strong wind** | **2** | 0 | 2 | 0 |
| **Dust** | **2** | 0 | 2 | 0 |
| **Fog** | **1** | 0 | 1 | 0 |
| **Other** | **0** | 0 | 0 | 0 |
| **Not Reported** | **18** | 5 | 6 | 0 |
| **TOTALS** | **1,654** | 130 | 1,441 | 83 |

## Table 7-9
## Pedalcyclists by Age and Gender

| Age Group | Persons Killed | | | Persons Injured | | | |
|---|---|---|---|---|---|---|---|
| | Total | Male | Female | Total | Male | Female | Not Reported |
| **0-4** | 0 | 0 | 0 | 6 | 6 | 0 | 0 |
| **5-9** | 1 | 1 | 0 | 105 | 75 | 29 | 1 |
| **10-14** | 2 | 2 | 0 | 346 | 261 | 83 | 2 |
| **15-19** | 0 | 0 | 0 | 268 | 196 | 71 | 1 |
| **20-24** | 3 | 1 | 2 | 191 | 140 | 50 | 1 |
| **25-34** | 3 | 3 | 0 | 325 | 251 | 74 | 0 |
| **35-44** | 6 | 5 | 1 | 277 | 222 | 55 | 0 |
| **45-54** | 3 | 3 | 0 | 175 | 147 | 27 | 1 |
| **55-64** | 5 | 5 | 0 | 73 | 64 | 8 | 1 |
| **65-74** | 1 | 1 | 0 | 28 | 24 | 4 | 0 |
| **75 & Older** | 1 | 1 | 0 | 13 | 13 | 0 | 0 |
| **Not Reported** | 0 | 0 | 0 | 78 | 67 | 11 | 0 |
| **TOTALS** | **25** | **22** | **3** | **1,885** | **1,466** | **412** | **7** |

## Table 7-10
## Pedalcycle Crashes

| Statewide | Total | Urban | Rural |
|---|---|---|---|
| **Number Of Crashes** | 2,200 | 2,041 | 159 |
| **Persons Killed** | 25 | 19 | 6 |
| **Persons Injured** | 1,915 | 1,781 | 134 |
| **Property Damage Only** | 299 | 276 | 23 |

| NUMBER OF PEDALCYCLISTS | | |
|---|---|---|
| Year | Total Killed | Total Injured |
| **1991** | 30 | 2,121 |
| **1992** | 18 | 2,091 |
| **1993** | 24 | 2,162 |
| **1994** | 21 | 2,271 |
| **1995** | 31 | 2,308 |
| **1996** | 30 | 2,089 |
| **1997** | 31 | 2,067 |
| **1998** | 23 | 1,954 |
| **1999** | 26 | 1,986 |
| **2000** | 25 | 1,915 |

## Table 7-11
## Pedalcycle Crash History

*In 2000, approximately 51,000 pedalcyclists were injured and 690 were killed in traffic crashes across the country. This represented 1.6 percent of all injuries and 1.6 percent of all fatalities from traffic crashes.*

## Table 7-12
## Lighting Conditions - Pedalcyclist Crashes

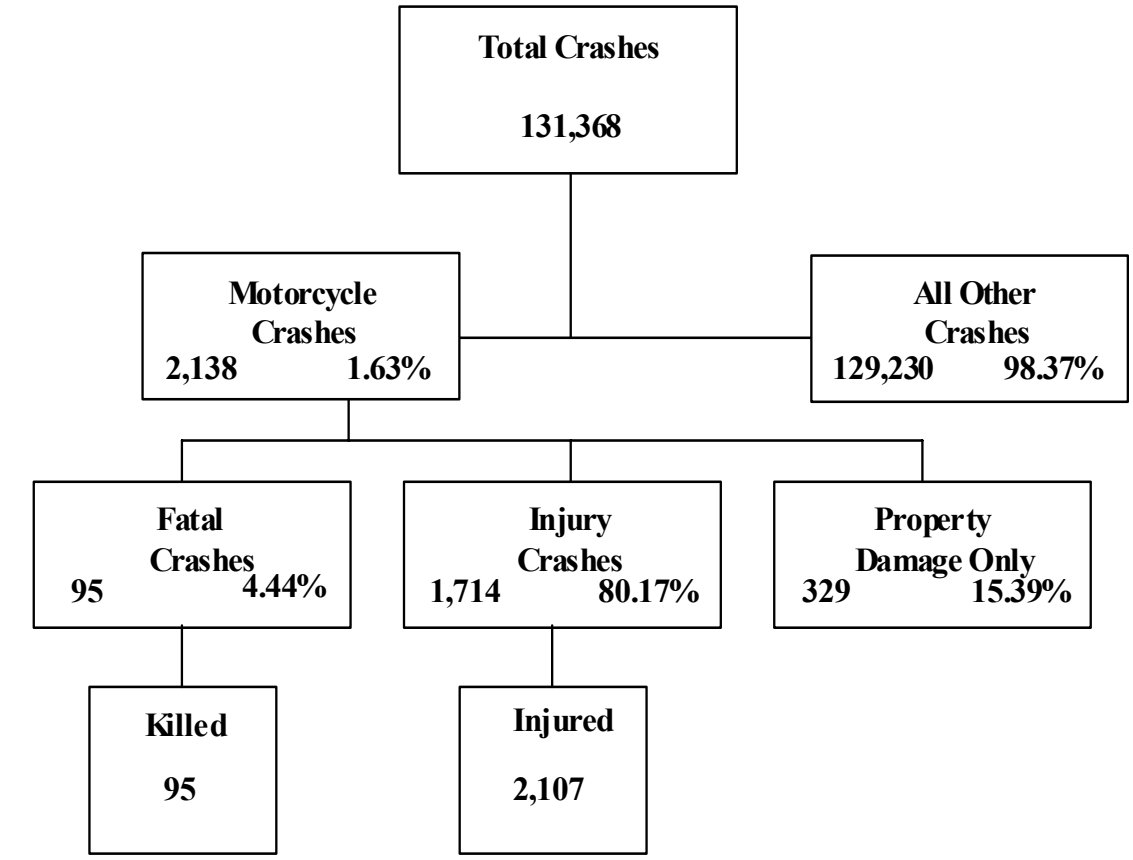
| Lighting Conditions | Number of Pedalcyclist Crashes | | | |
|---|---|---|---|---|
| | Total | Fatal | Injury | PDOs |
| **Daylight** | **1,755** | 11 | 1,503 | 241 |
| **Darkness** | **320** | 9 | 259 | 52 |
| **Dawn or Dusk** | **125** | 5 | 114 | 6 |
| **Not Reported** | **0** | 0 | 0 | 0 |
| **TOTALS** | **2,200** | **25** | **1,876** | **299** |

## Table 7-13
## Weather Conditions - Pedalcyclist Crashes

| Weather Conditions | Number of Pedalcyclist Crashes | | | |
|---|---|---|---|---|
| | Total | Fatal | Injury | PDOs |
| **Clear** | **1,952** | 21 | 1,659 | 272 |
| **Raining** | **49** | 0 | 43 | 6 |
| **Cloudy** | **185** | 1 | 164 | 20 |
| **Snowing** | **1** | 0 | 0 | 1 |
| **Strong wind** | **4** | 0 | 4 | 0 |
| **Dust** | **1** | 0 | 1 | 0 |
| **Fog** | **0** | 0 | 0 | 0 |
| **Other** | **1** | 1 | 0 | 0 |
| **Not Reported** | **7** | 2 | 5 | 0 |
| **TOTALS** | **2,200** | **25** | **1,876** | **299** |

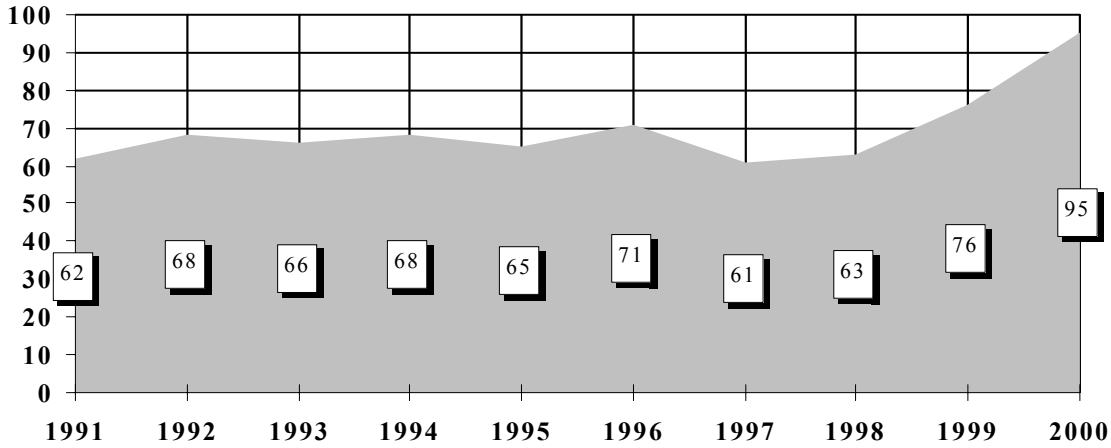
***The down side of our warmer climate is that Arizona is consistently among the top 5, and often the 2nd or 3rd, highest state in pedestrian and pedalcycle deaths per 100,000 population.***

# Section 8:
# Motorcycle Crashes



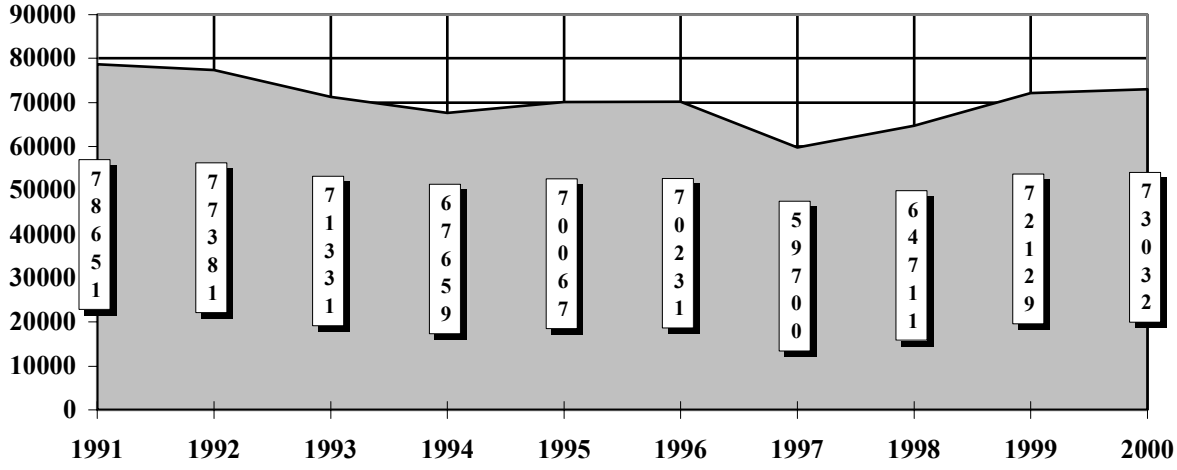

Includes motorcycle drivers and/or motorcycle passengers only

## Figure 8-1
## Motorcycle Fatalities by Year



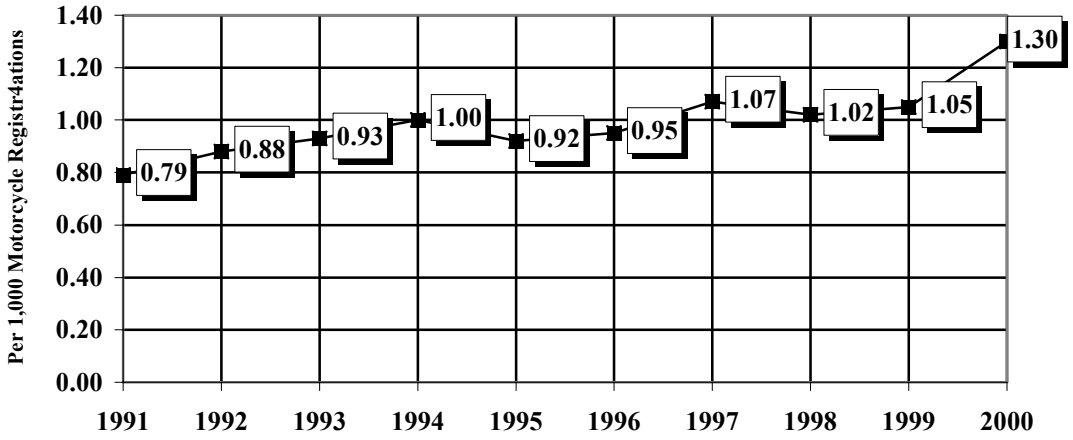

*In 2000, over 2,500 motorcyclists were killed in traffic crashes in the United States, 95 of these occurred on Arizona roadways.*

## Figure 8-2
## Motorcycle Registrations in Arizona

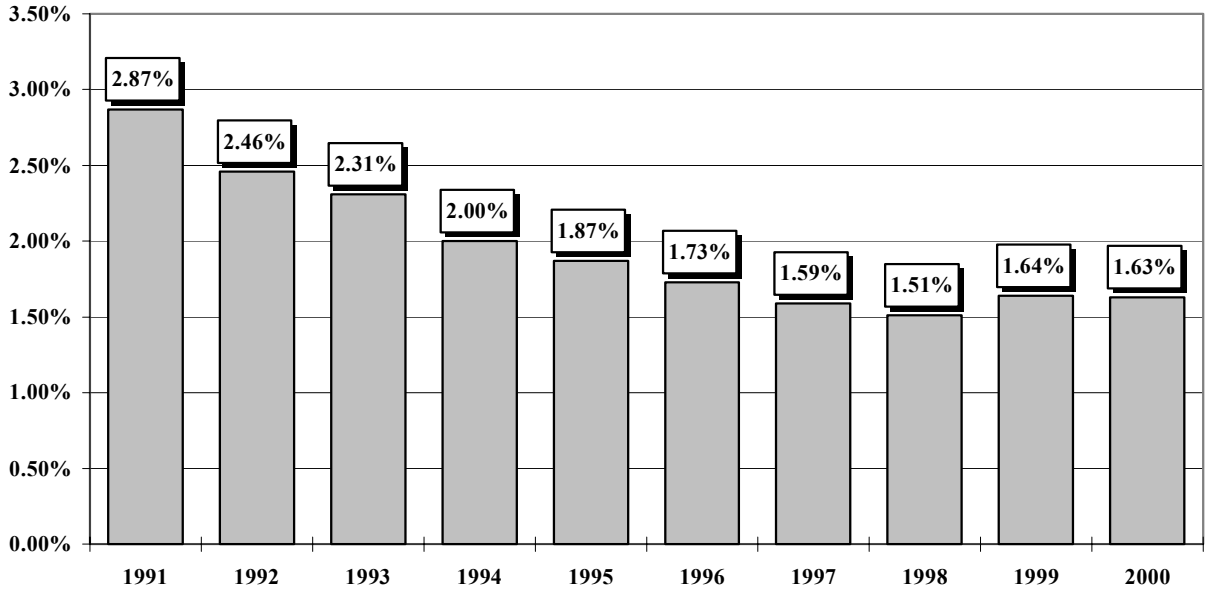



1997-2000 Totals include motorcycles only. Prior years included golf carts, atv's, etc.
Source: The Motor Vehicle Division of the Arizona Department of Transportation

## Figure 8-3
## Motorcycle Fatality Rate per Registered Motorcycle




## Figure 8-4
## Percent of Motorcycle Crashes to All Crashes



## Section 8: Motorcycle Crashs

### Table 8-1
### Motorcycle Crashes by Type

| Accident Type | Number of Crashes | | | |
|---|---|---|---|---|
| | Total | Fatal | Non-Fatal Injury | Property Damage Only |
| **Overturning** | 34 | 1 | 28 | 5 |
| **Pedestrian** | 8 | 1 | 7 | 0 |
| **Motor Vehicle In Transport** | 1,253 | 52 | 957 | 244 |
| **Motor Vehicle On Other Roadway** | 0 | 0 | 0 | 0 |
| **Pedalcyclist** | 12 | 0 | 9 | 3 |
| **Animal** | 23 | 1 | 16 | 6 |
| **Fixed Object** | 270 | 28 | 223 | 19 |
| **Other Object** | 30 | 3 | 26 | 1 |
| **Misc.** | 508 | 9 | 448 | 51 |
| **TOTALS** | **2,138** | **95** | **1,714** | **329** |

### Table 8-2
### Motorcycle Crashes - Lighting Conditions

| Lighting Condition | Number of Crashes | | |
|---|---|---|---|
| | Total | Fatal | Injury |
| **Daylight** | 1,412 | 48 | 1,131 |
| **Dawn or Dusk** | 111 | 5 | 88 |
| **Darkness** | 610 | 41 | 492 |
| **Not Reported** | 5 | 1 | 3 |
| **Totals** | **2,138** | **95** | **1,714** |

### Table 8-3
### Motorcycle Crashes - Road Surface

| Road Surface | Number of Crashes | | |
|---|---|---|---|
| | Total | Fatal | Injury |
| **Dry** | 1,890 | 88 | 1,511 |
| **Wet** | 61 | 2 | 51 |
| **Snowy/icy** | 3 | 0 | 2 |
| **Other** | 123 | 3 | 100 |
| **Not Reported** | 61 | 2 | 50 |
| **Totals** | **2,138** | **95** | **1,714** |

## Table 8-4
## Motorcycle Crashes - Land Use

| | Number of Crashes and % of Total | | | | |
|---|---|---|---|---|---|
| | Total | Rural | % of Total | Urban | % of Total |
| **Crashes** | 2,138 | 604 | 28.25% | 1,534 | 71.75% |
| **Fatalities** | 97 | 54 | 55.67% | 43 | 44.33% |
| **Injuries** | 2,107 | 606 | 28.76% | 1,501 | 71.24% |

## Table 8-5
## Operators' Age - Motorcycle Crashes

| | | | Number of operators | |
|---|---|---|---|---|
| Age of Operator | Total No. of Operators | Percent of Total | Fatal Crashes | Injury Crashes |
| **15 & Younger** | 37 | 1.69% | 3 | 30 |
| **16** | 9 | 0.41% | 1 | 8 |
| **17** | 16 | 0.73% | 1 | 13 |
| **18-19** | 112 | 5.12% | 4 | 95 |
| **20-24** | 364 | 16.63% | 19 | 299 |
| **25-34** | 544 | 24.85% | 22 | 440 |
| **35-44** | 473 | 21.61% | 22 | 382 |
| **45-54** | 387 | 17.68% | 19 | 305 |
| **55-64** | 137 | 6.26% | 5 | 118 |
| **65-74** | 37 | 1.69% | 2 | 32 |
| **75 & Older** | 12 | 0.55% | 1 | 9 |
| **Not Reported** | 61 | 2.79% | 1 | 27 |
| **TOTALS** | **2,189** | **100.00%** | **100** | **1,758** |

## Table 8-6
## Alcohol-Related Motorcycle Crashes

| | |
|---|---|
| Total number of impaired operators | 174 |
| Total number of fatal crashes | 21 |
| Total number of injury crashes | 149 |

## Section 8: Motorcycle Crashs

### Table 8-7
### Motorcycle Operators Involved in Fatal Crashes by License Status*

| License Status | 1998 | | 1999 | | 2000 | |
|---|---|---|---|---|---|---|
| | Total Fatal Crashes | Percent of Fatal Crashes | Total Fatal Crashes | Percent of Fatal Crashes | Total Fatal Crashes | Percent of Fatal Crashes |
| **No license** | 6 | 9.09% | 3 | 3.95% | 5 | 5.89% |
| **Invalid** | 15 | 27.27% | 23 | 30.26% | 36 | 36.27% |
| **Valid** | 40 | 63.64% | 49 | 64.47% | 58 | 56.86% |
| **Unknown** | 0 | 0% | 1 | 1.32% | 1 | 0.98% |
| **TOTALS** | **61** | **100.00%** | **76** | **100.00%** | **100** | **100.00%** |

***Note: includes only motorcycle operators involved in fatal crashes.**

### Table 8-8

### Motorcycle Operator's Helmet Use

| Severity of Injury | Number of Motorcycle Crashes | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Helmet Used | % of Total | No Helmet | % of Total | Unknown | % of Total | Total | % of Total |
| **No injury** | 107 | 14.36% | 158 | 15.41% | 86 | 20.53% | 351 | 16.03% |
| **Possible injury** | 118 | 15.84% | 137 | 13.37% | 79 | 18.85% | 334 | 15.26% |
| **Non-incapacitating** | 303 | 40.67% | 426 | 41.56% | 134 | 31.98% | 863 | 39.42% |
| **Incapacitating** | 179 | 24.03% | 252 | 24.59% | 77 | 18.38% | 508 | 23.21% |
| **Fatality** | 32 | 4.30% | 42 | 4.10% | 11 | 2.63% | 85 | 3.88% |
| **Unknown** | 6 | 0.81% | 10 | 0.98% | 32 | 7.64% | 48 | 2.19% |
| **TOTALS** | **745** | **100.00%** | **1,025** | **100.00%** | **419** | **100.00%** | **2,189** | **100.00%** |

### Table 8-9
### Motorcycle Passenger Helmet Use

| Severity of Injury | Number of Motorcycle Crashes | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Helmet Used | % of Total | No Helmet | % of Total | Use Unknown | % of Total | Total | % of Total |
| **No injury** | 18 | 25.35% | 21 | 14.00% | 12 | 29.27% | 51 | 19.47% |
| **Possible injury** | 6 | 8.45% | 25 | 16.67% | 6 | 14.63% | 37 | 14.12% |
| **Non-incapacitating** | 30 | 42.25% | 51 | 34.00% | 14 | 34.15% | 95 | 36.26% |
| **Incapacitating** | 12 | 16.90% | 46 | 30.67% | 9 | 21.95% | 67 | 25.57% |
| **Fatality** | 3 | 4.23% | 7 | 4.67% | 0 | 0% | 10 | 3.82% |
| **Unknown** | 2 | 2.82% | 0 | 0% | 0 | 0% | 2 | 0.76% |
| **TOTALS** | **71** | **100.00%** | **150** | **100.00%** | **41** | **100.00%** | **262** | **100.00%** |

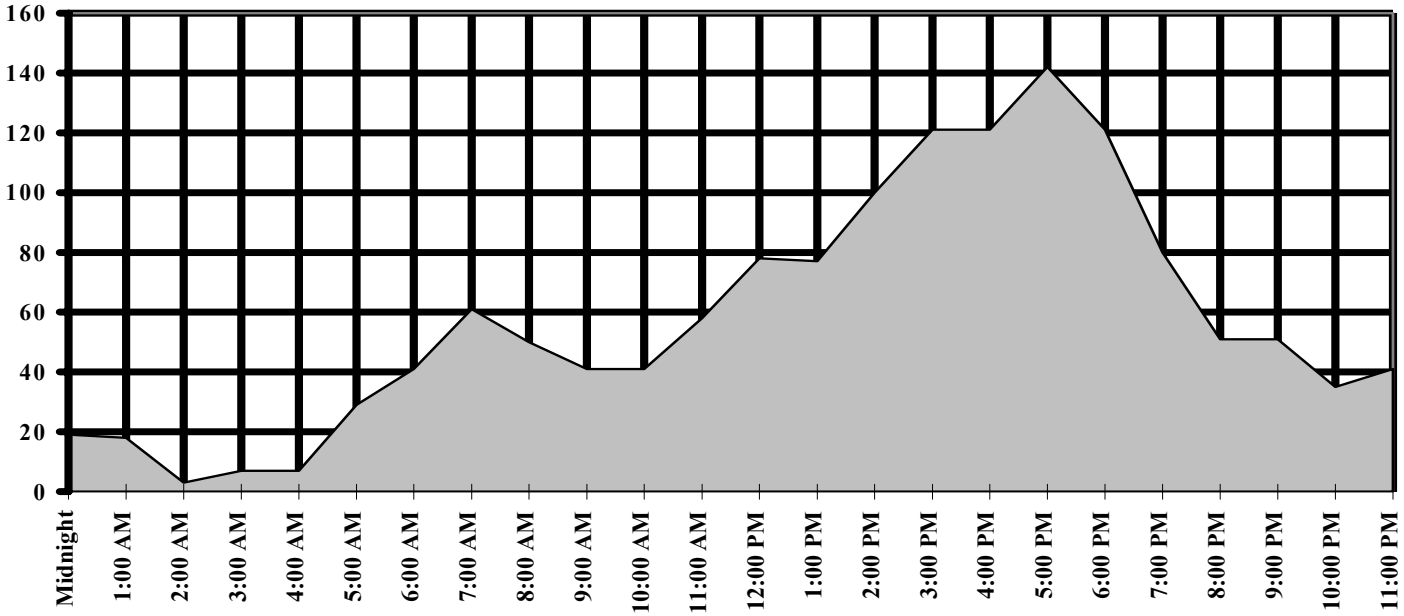
# Table 8-10
# Motorcycle Operators and Passengers Killed and Injured

| Age of Victims | Number Killed | | | Number Injured | | | |
|---|---|---|---|---|---|---|---|
| | Total | Male | Female | Total | Male | Female | Unk. |
| **0 - 4** | 0 | 0 | 0 | 1 | 1 | 0 | 0 |
| **5 - 9** | 0 | 0 | 0 | 7 | 6 | 1 | 0 |
| **10 - 14** | 1 | 1 | 0 | 26 | 18 | 8 | 0 |
| **15 - 19** | 6 | 5 | 1 | 150 | 129 | 21 | 0 |
| **20 - 24** | 19 | 18 | 1 | 321 | 285 | 36 | 0 |
| **25 - 34** | 21 | 21 | 0 | 471 | 415 | 56 | 0 |
| **35 - 44** | 23 | 19 | 4 | 415 | 336 | 79 | 0 |
| **45 - 54** | 16 | 13 | 3 | 325 | 279 | 46 | 0 |
| **55 - 64** | 5 | 4 | 1 | 118 | 106 | 12 | 0 |
| **65 - 74** | 3 | 2 | 1 | 33 | 31 | 2 | 0 |
| **75 & Older** | 1 | 1 | 0 | 9 | 9 | 0 | 0 |
| **Not Reported** | 0 | 0 | 0 | 28 | 24 | 4 | 0 |
| **TOTALS** | **95** | **84** | **11** | **1,904** | **1,639** | **265** | **0** |

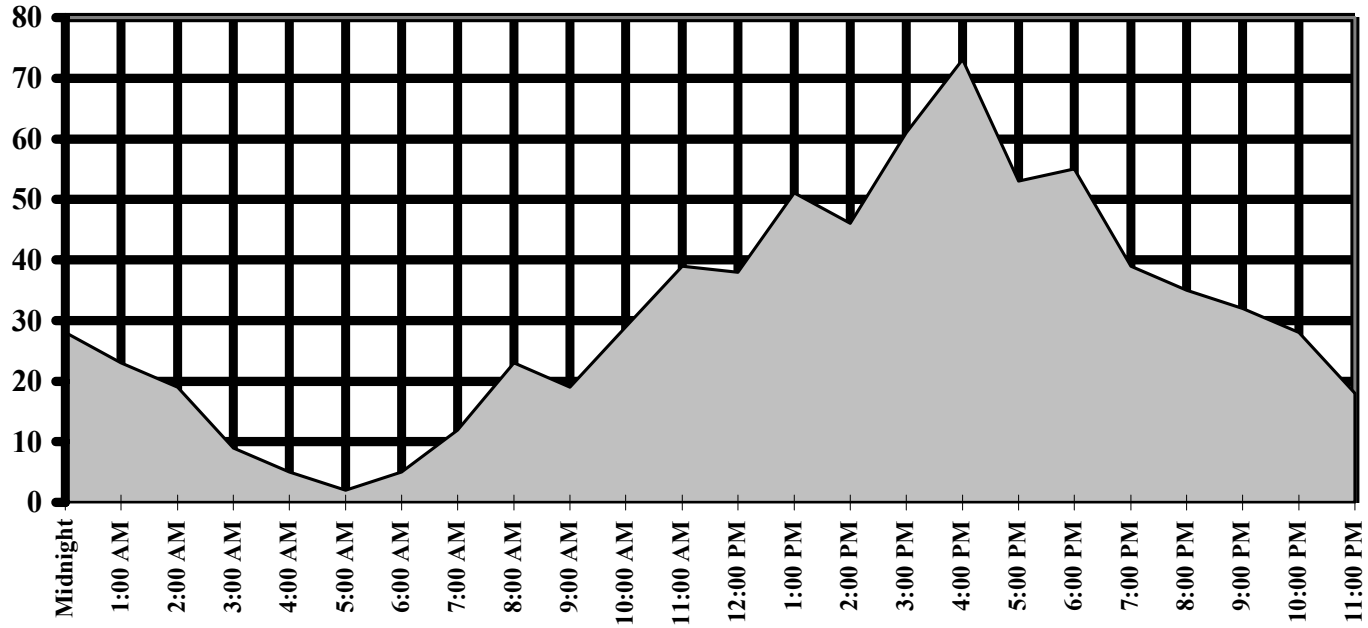
# Table 8-11
# Motorcycle Operator Errors

| Contributing Circumstances | ALL CRASHES | | FATAL CRASHES | | INJURY CRASHES | |
|---|---|---|---|---|---|---|
| | Number Of Cases | Percent Of Units | Number Of Cases | Percent Of Units | Number Of Cases | Percent Of Units |
| **Exceeding lawful speed limit** | 35 | 1.60% | 6 | 6.00% | 28 | 1.59% |
| **Speed too fast for conditions** | 605 | 27.64% | 40 | 40.00% | 495 | 28.16% |
| **Failed to yield** | 72 | 3.29% | 1 | 1.00% | 51 | 2.90% |
| **Passed stop sign** | 13 | 0.59% | 4 | 4.00% | 9 | 0.51% |
| **Disregarded traffic signal** | 17 | 0.78% | 1 | 1.00% | 16 | 0.91% |
| **Drove left of center** | 24 | 1.10% | 6 | 6.00% | 15 | 0.85% |
| **Followed too closely** | 24 | 1.10% | 0 | 0% | 21 | 1.19% |
| **Driver inattention** | 126 | 5.76% | 3 | 3.00% | 106 | 6.03% |
| **Had been drinking** | 174 | 7.95% | 21 | 21.00% | 149 | 8.48% |
| **Other improper driving** | 96 | 4.39% | 3 | 3.00% | 76 | 4.32% |
| **Faulty or Missing Equip.** | 15 | 0.69% | 0 | 0% | 14 | 0.80% |
| **Other** | 82 | 3.75% | 2 | 2.00% | 64 | 3.64% |
| **No improper driving** | 754 | 34.44% | 3 | 3.00% | 603 | 34.30% |
| **Not Reported** | 152 | 6.94% | 10 | 10.00% | 111 | 6.31% |
| **TOTALS** | **2,189** | **100.00%** | **100** | **100.00%** | **1,758** | **100.00%** |

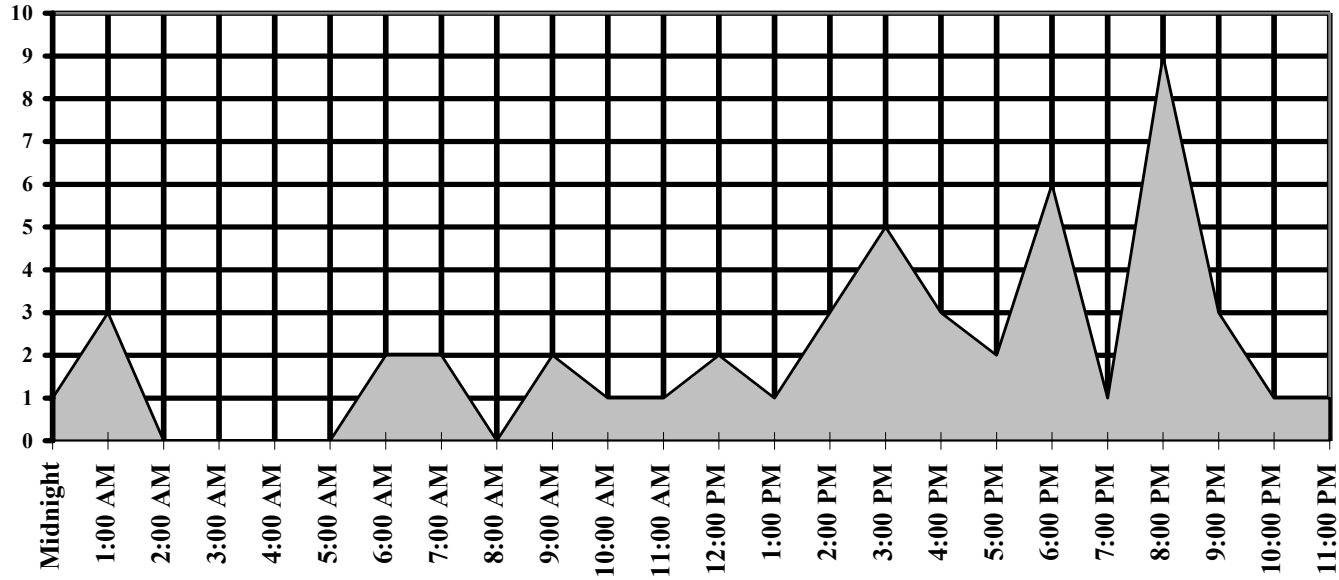
## Figure 8-5
## Motorcycle Crashes by Time of Day
## Weekdays



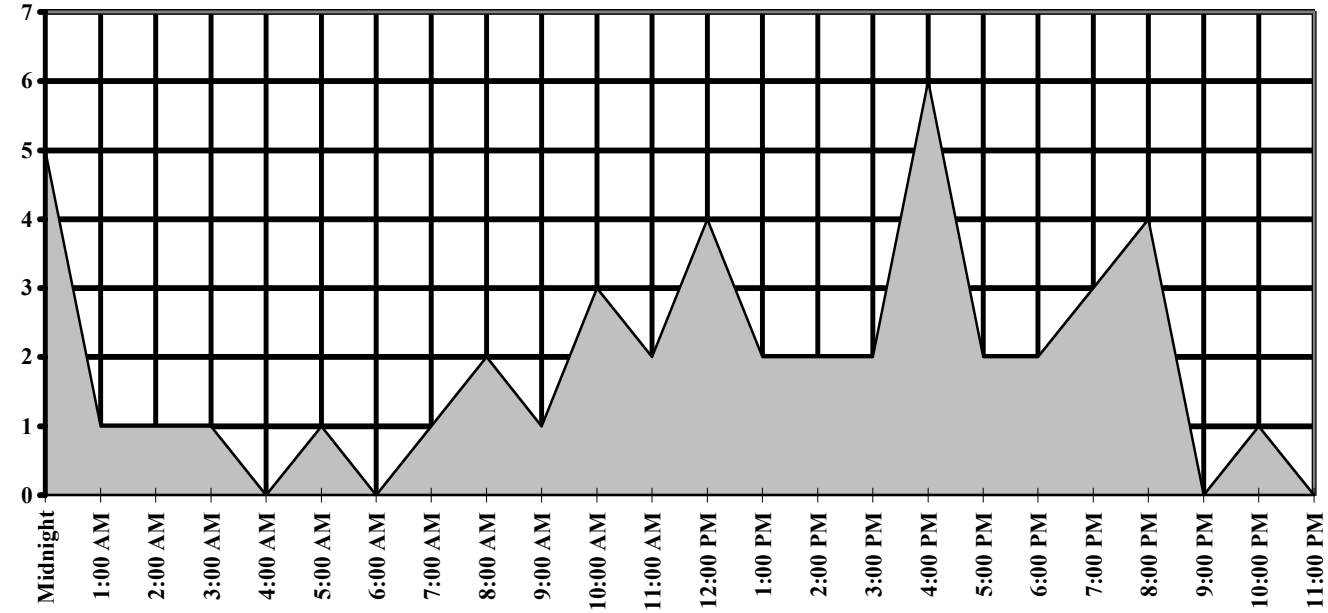

## Figure 8-6
## Weekends



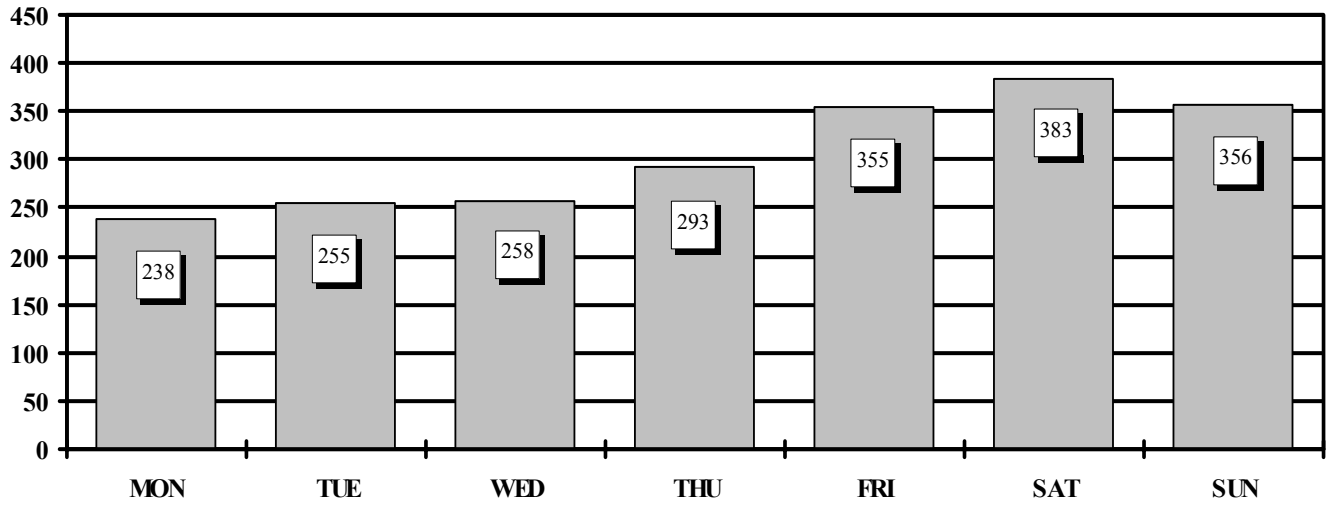
## Figure 8-7
## Fatal Motorcycle Crashes by Time of Day
## Weekdays



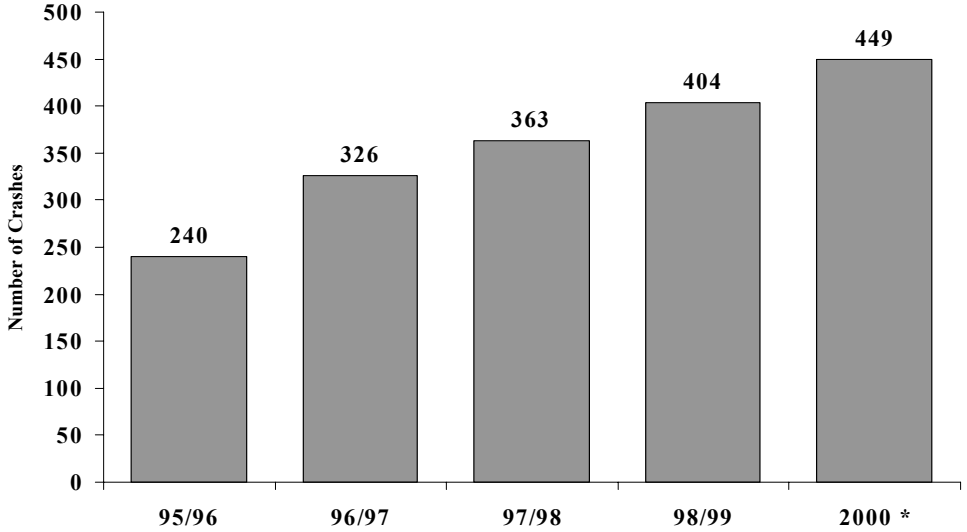

## Figure 8-8
## Fatal Motorcycle Crashes by Time of Day
## Weekends



## Figure 8-9
## Motorcycle Crashes by Day of Week



# Section 9:
# School Bus Crashes




## Table 9-1
## School Bus Driver Errors

| | Number of Drivers and % of Total | |
|---|---|---|
| | Total | % |
| **No Improper Driving** | 244 | 54.34% |
| **Speed not Reasonable & Proper** | 28 | 6.24% |
| **Failed to Yield** | 32 | 7.13% |
| **Following too Closely** | 2 | 0.45% |
| **Improper Turn** | 16 | 3.56% |
| **Drove in Opposing Lane** | 5 | 1.11% |
| **Other** | 36 | 8.02% |
| **Unknown** | 26 | 5.79% |
| **Inattention** | 45 | 10.02% |
| **No Passing Zone** | 5 | 1.11% |
| **Unsafe Lane Change** | 10 | 2.23% |
| **TOTAL DRIVERS** | **449** | **100.00%** |

**** Beginning with the year 2000 school bus crash data is based upon the calendar year. Prior issues were based on school session years.***

## Table 9-2
## School Bus Crash History

| | 95/96 | 96/97 | 97/98 | 98/99 | 2000 |
|---|---|---|---|---|---|
| **Injuries and Fatalities** | | | | | |
| **Pupils** | | | | | |
| **Killed** | 1 | 0 | 0 | 0 | 1 |
| **Injured** | 142 | 131 | 98 | 95 | 139 |
| **Bus Drivers** | | | | | |
| **Killed** | 0 | 0 | 0 | 0 | 0 |
| **Injured** | 19 | 25 | 26 | 17 | 20 |
| **Property Damage Only Crashes** | 173 | 213 | 239 | 424 | 433 |
| **Crash by Time of Day** | | | | | |
| **A.M.** | 108 | 139 | 163 | 179 | 208 |
| **P.M.** | 132 | 187 | 200 | 225 | 241 |
| **Weather Conditions:** | | | | | |
| Not Reported | 0 | 1 | 0 | 3 | 1 |
| Clear and Dry | 209 | 255 | 293 | 346 | 380 |
| Rain | 9 | 17 | 16 | 17 | 12 |
| Snow or Ice | 4 | 6 | 10 | 2 | 4 |
| Dusty or Windy | 0 | 4 | 1 | 2 | 1 |
| Fog | 0 | 0 | 0 | 1 | 2 |
| Cloudy | 18 | 43 | 43 | 27 | 49 |

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