

ARIZONA

MOTOR VEHICLE CRASH FACTS

2018



2018 Motor Vehicle Crash Facts for the State of Arizona

Prepared by:
The Arizona Department of Transportation
Transportation Systems Management and Operations

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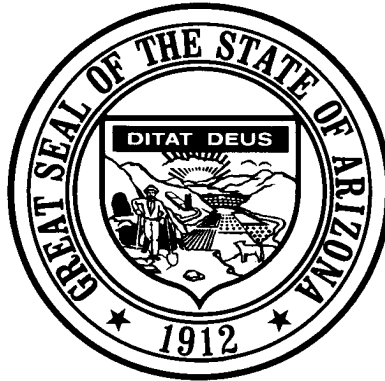
This publication is an annual statistical review of the motor vehicle crashes in the State of Arizona for the calendar year 2018. The results are compiled from Arizona Traffic Crash Reports submitted to the Arizona Department of Transportation by state, county, city, tribal, and other law enforcement agencies. Specific inquiries regarding the data in this report should be directed to:

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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.

This issue as well as previous issues of this publication may be viewed and downloaded from the ADOT Web Site:
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2018 Arizona Crash Facts Summary

BREAKDOWN OF ALL CRASHES IN ARIZONA

| | |
|----------------------|---------|
| TOTAL | 127,056 |
| FATAL | 916 |
| INJURY | 36,507 |
| PROPERTY DAMAGE ONLY | 89,633 |
| URBAN | 104,404 |
| RURAL | 22,652 |
| ALCOHOL RELATED | 4,651 |
| PEDESTRIAN | 1,764 |
| PEDALCYCLE | 1,279 |
| MOTORCYCLE | 2,738 |
| SINGLE VEHICLE | 18,730 |
| MULTI-VEHICLE | 108,326 |

BREAKDOWN OF FATAL CRASHES IN ARIZONA

| | |
|--------------------------------|-----|
| TOTAL | 916 |
| ALCOHOL RELATED | 242 |
| URBAN | 536 |
| RURAL | 380 |
| SINGLE VEHICLE | 298 |
| MULTI-VEHICLE | 618 |
| ALCOHOL RELATED SINGLE VEHICLE | 76 |
| ALCOHOL RELATED MULTI-VEHICLE | 166 |

BREAKDOWN OF PERSONS KILLED AND INJURED

| TYPE | KILLED | INJURED |
|------------------------------------|--------|---------|
| IN ALL CRASHES | 1,010 | 53,376 |
| IN ALCOHOL RELATED CRASHES | 261 | 2,951 |
| IN URBAN CRASHES | 562 | 43,513 |
| IN RURAL CRASHES | 448 | 9,863 |
| SPEED RELATED* | 281 | 20,800 |
| USING SAFETY DEVICE | 280 | 43,967 |
| NOT USING SAFETY DEVICE | 290 | 2,984 |
| DRIVERS AGE 24 OR YOUNGER | 87 | 8,207 |
| DRINKING DRIVERS AGE 24 OR YOUNGER | 18 | 353 |

BREAKDOWN OF CRASHES BY TIME

| | |
|---------------------------------------|---|
| PEAK MONTH FOR ALL CRASHES | OCTOBER |
| PEAK DAY FOR ALL CRASHES | FRIDAY |
| PEAK HOUR FOR ALL CRASHES | 4 PM - 5 PM |
| PEAK HOUR FOR FATAL CRASHES | 8 PM - 9 PM |
| PEAK DAY FOR FATAL CRASHES | SATURDAY |
| PEAK DATE FOR ALL CRASHES IN 2018 | FEBRUARY 14TH (611 CRASHES) |
| PEAK DATE FOR FATAL CRASHES IN 2018 | OCTOBER 9TH AND DECEMBER 10TH (8 CRASHES) |
| PEAK HOUR FOR ALCOHOL RELATED CRASHES | 2 AM - 3 AM |
| PEAK DAY FOR FATAL MOTORCYCLE CRASHES | SATURDAY |
| PEAK HOUR FOR ALL MOTORCYCLE CRASHES | 5 PM - 6 PM |

OTHER FACTS

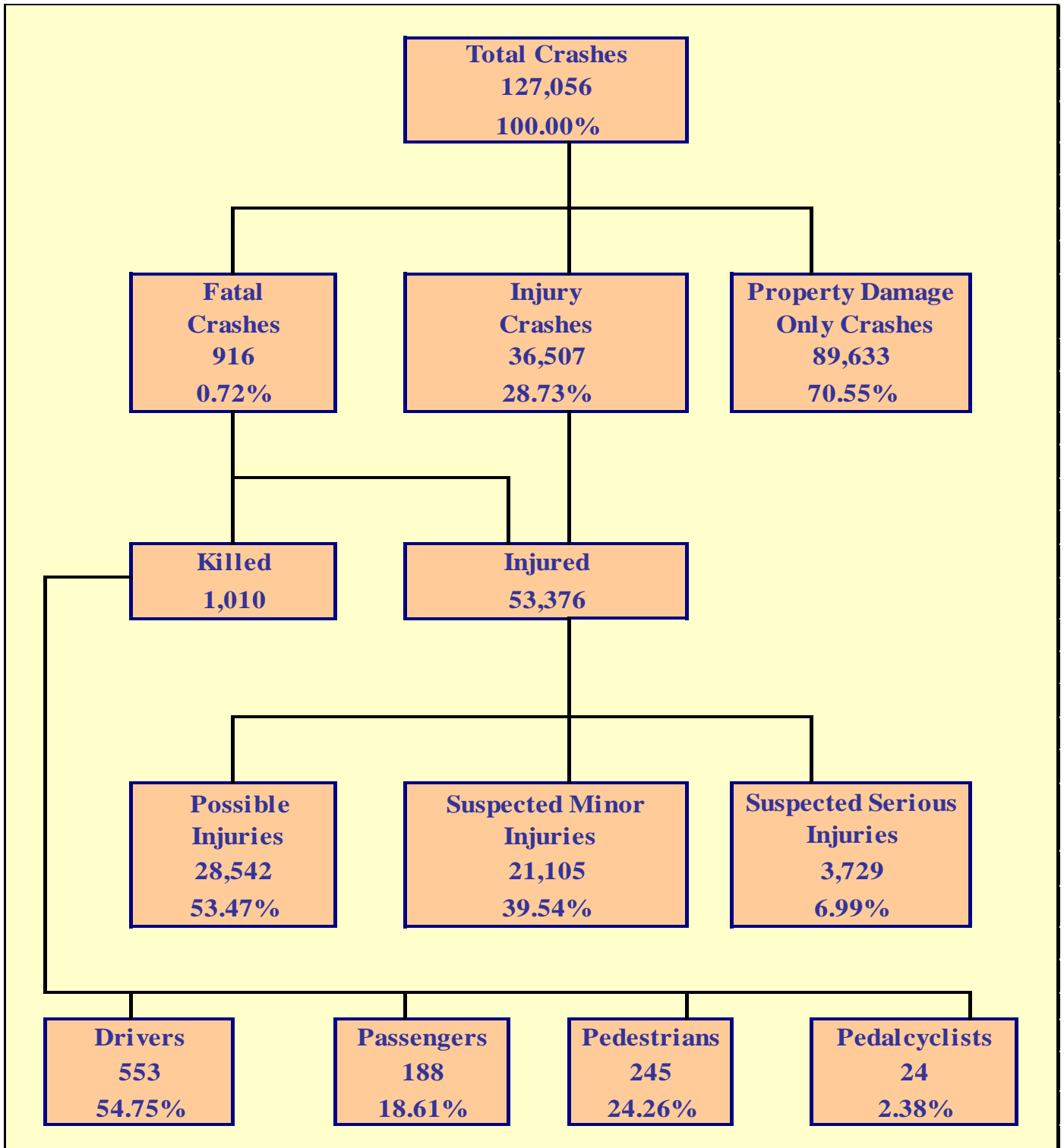
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|---------------------------------|-------------------------------|
| MOST COMMON MANNER OF COLLISION | REAR END |
| MOST COMMON DRIVER VIOLATION | SPEED TOO FAST FOR CONDITIONS |

*Note: These numbers represent the total number of fatalities and injuries in crashes where the violation "speed too fast for conditions" or "exceeded lawful speed" was marked on the crash report.

2018 Arizona Crash Facts Summary

Fatalities in Arizona since 1925

| Year | Total Fatalities | Year | Total Fatalities |
|------|------------------|------|------------------|
| 1925 | 76 | 1972 | 812 |
| 1926 | 120 | 1973 | 975 |
| 1927 | 147 | 1974 | 751 |
| 1928 | 130 | 1975 | 670 |
| 1929 | 157 | 1976 | 739 |
| 1930 | 190 | 1977 | 933 |
| 1931 | 159 | 1978 | 1,027 |
| 1932 | 166 | 1979 | 1,029 |
| 1933 | 154 | 1980 | 947 |
| 1934 | 205 | 1981 | 916 |
| 1935 | 217 | 1982 | 724 |
| 1936 | 244 | 1983 | 675 |
| 1937 | 258 | 1984 | 869 |
| 1938 | 200 | 1985 | 893 |
| 1939 | 215 | 1986 | 1,007 |
| 1940 | 228 | 1987 | 939 |
| 1941 | 272 | 1988 | 944 |
| 1942 | 230 | 1989 | 879 |
| 1943 | 168 | 1990 | 869 |
| 1944 | 180 | 1991 | 816 |
| 1945 | 283 | 1992 | 811 |
| 1946 | 236 | 1993 | 799 |
| 1947 | 256 | 1994 | 904 |
| 1948 | 301 | 1995 | 1,035 |
| 1949 | 281 | 1996 | 997 |
| 1950 | 325 | 1997 | 950 |
| 1951 | 415 | 1998 | 981 |
| 1952 | 396 | 1999 | 1,028 |
| 1953 | 397 | 2000 | 1,037 |
| 1954 | 402 | 2001 | 1,057 |
| 1955 | 358 | 2002 | 1,132 |
| 1956 | 486 | 2003 | 1,125 |
| 1957 | 461 | 2004 | 1,159 |
| 1958 | 509 | 2005 | 1,193 |
| 1959 | 517 | 2006 | 1,301 |
| 1960 | 513 | 2007 | 1,071 |
| 1961 | 510 | 2008 | 938 |
| 1962 | 510 | 2009 | 806 |
| 1963 | 513 | 2010 | 759 |
| 1964 | 588 | 2011 | 827 |
| 1965 | 550 | 2012 | 821 |
| 1966 | 643 | 2013 | 849 |
| 1967 | 574 | 2014 | 774 |
| 1968 | 695 | 2015 | 897 |
| 1969 | 750 | 2016 | 952 |
| 1970 | 762 | 2017 | 998 |
| 1971 | 755 | 2018 | 1,010 |



Section 1: – Highlights and Historical Trends

Table 1 – 1

Arizona Crash Facts Summary and Comparison

| Category | 2017 | 2018 | Percent Change |
|---|---------|---------|----------------|
| Total Crashes | 127,805 | 127,056 | -0.59% |
| Total Fatalities | 998 | 1,010 | 1.20% |
| Total Injuries | 55,879 | 53,376 | -4.48% |
| Alcohol Related Fatalities | 324 | 261 | -19.44% |
| Alcohol Related Injuries | 3,176 | 2,951 | -7.08% |
| Urban Fatalities | 530 | 562 | 6.04% |
| Urban Injuries | 45,837 | 43,513 | -5.07% |
| Rural Fatalities | 468 | 448 | -4.27% |
| Rural Injuries | 10,042 | 9,863 | -1.78% |
| MC Operator and Passenger Fatalities | 161 | 150 | -6.83% |
| MC Operator and Passenger Injuries | 2,432 | 2,248 | -7.57% |
| Pedestrians Fatalities | 226 | 245 | 8.41% |
| Pedestrians Injuries | 1,523 | 1,537 | 0.92% |
| Pedalcyclist Fatalities | 32 | 24 | -25.00% |
| Pedalcyclist Injuries | 1,380 | 1,182 | -14.35% |
| Millions of vehicle miles traveled (VMT) | 65,069 | 66,145 | 1.65% |
| Fatalities per 100 million VMT | 1.53 | 1.53 | -0.44% |
| Injuries per 100 million VMT | 85.88 | 80.70 | -6.03% |

Arizona at a Glance – 2018

- Approximately **2.77** persons were killed each day.
- One person was killed every **8** hours and **39** minutes.
- There were **146** persons injured every day.
- One person was injured every **9** minutes and **51** seconds.
- Alcohol Related crashes accounted for **3.66%** of all crashes and **26.30%** of all fatal crashes.
- Of all alcohol related crashes, **79.06%** occurred in Urban areas and **20.94%** occurred in Rural areas, while **62.40%** of all alcohol related fatal crashes occurred in Urban areas and **37.60%** occurred in Rural areas.
- Single vehicle crashes accounted for **14.74%** of all crashes and **32.53%** of all fatal crashes.
- Of all Pedestrian crashes, **13.72%** were fatal while **1.88%** of Pedalcycle crashes were fatal.
- Crashes which occurred during daylight hours (6:00 a.m. to 6:00 p.m.) accounted for **72.9%** of all crashes.
- Motor vehicle crashes resulted in **\$19.349** billion in economic losses to Arizona.
- Children age 14 and younger accounted for **32** fatalities and **3,134** injuries in motor vehicle crashes.

Section 1: – Highlights and Historical Trends

Table 1 – 2
Licensed Drivers, Motor Vehicle Registration
and Crash History in Arizona

| Calendar Year | Total Crashes | Fatal Crashes | Injury Crashes | Property Damage Only Crashes | Total Persons Killed | Total Persons Injured | Total Licensed Drivers | Total Registered Vehicles |
|---------------|---------------|---------------|----------------|------------------------------|----------------------|-----------------------|------------------------|---------------------------|
| 2004 | 138,898 | 998 | 46,788 | 91,112 | 1,159 | 73,686 | 3,784,365 | 4,364,857 |
| 2005 | 140,574 | 1,049 | 45,826 | 93,699 | 1,193 | 71,083 | 3,963,005 | 4,556,448 |
| 2006 | 143,504 | 1,126 | 45,395 | 96,983 | 1,301 | 70,013 | 4,091,789 | 4,748,957 |
| 2007 | 141,193 | 952 | 43,560 | 96,681 | 1,071 | 66,062 | 4,212,393 | 4,848,162 |
| 2008 | 120,557 | 843 | 37,515 | 82,199 | 938 | 56,539 | 4,360,711 | 4,842,188 |
| 2009 | 107,149 | 709 | 33,506 | 72,934 | 806 | 50,809 | 4,434,719 | 4,787,350 |
| 2010 | 106,900 | 695 | 33,419 | 72,786 | 759 | 50,463 | 4,537,653 | 4,805,904 |
| 2011 | 103,958 | 756 | 33,223 | 69,979 | 827 | 49,856 | 4,634,405 | 4,855,014 |
| 2012 | 103,940 | 738 | 33,595 | 69,607 | 821 | 50,089 | 4,736,517 | 4,969,620 |
| 2013 | 107,576 | 782 | 34,137 | 72,657 | 849 | 50,440 | 4,826,903 | 5,130,780 |
| 2014 | 109,872 | 709 | 34,578 | 74,585 | 774 | 51,103 | 4,922,676 | 5,300,980 |
| 2015 | 117,054 | 811 | 36,304 | 79,939 | 897 | 53,854 | 5,025,811 | 5,487,058 |
| 2016 | 127,277 | 856 | 38,708 | 87,713 | 952 | 56,933 | 5,135,262 | 5,677,208 |
| 2017 | 127,805 | 917 | 38,053 | 88,835 | 998 | 55,879 | 5,221,403 | 5,843,368 |
| 2018 | 127,056 | 916 | 36,507 | 89,633 | 1,010 | 53,376 | 5,308,307 | 6,009,850 |

Table 1 – 3
Historical Trends – VMT and Rates

| Calendar Year | Arizona Fatality Rate | Arizona Injury Rate | Arizona Traffic Fatalities | Estimated Motor Vehicle Miles Traveled | Arizona Fatal Crash Rate |
|---------------|-----------------------|---------------------|----------------------------|--|--------------------------|
| 2014 | 1.24 | 81.59 | 774 | 62,631 | 1.13 |
| 2015 | 1.38 | 82.79 | 897 | 65,045 | 1.25 |
| 2016 | 1.45 | 86.78 | 952 | 65,606 | 1.30 |
| 2017 | 1.53 | 85.88 | 998 | 65,069 | 1.41 |
| 2018 | 1.53 | 80.70 | 1,010 | 66,145 | 1.38 |

Vehicle miles traveled are shown in million miles and rates per 100 million miles

Section 1: – Highlights and Historical Trends

Statewide Economic Loss Due to Motor Vehicle Crashes

| | |
|----------------------------|-------------------------|
| Fatalities | \$9,638,070,440 |
| Suspected Serious Injuries | \$2,012,858,265 |
| Suspected Minor Injuries | \$3,790,331,370 |
| Possible Injuries | \$2,935,858,662 |
| Property Damage Only | \$971,532,087 |
| TOTAL | \$19,348,650,824 |

Table 1 – 4

Estimated Economic Loss by County

| County | Cost of Traffic Crashes | | | |
|---------------|-------------------------|-------------------------|-----------------------|--------------------------|
| | Fatalities | Injuries | PDO | Total |
| Apache | \$ 238,566,100 | \$ 31,405,657 | \$ 2,742,267 | \$ 272,714,024 |
| Cochise | \$ 209,938,168 | \$ 87,719,791 | \$ 10,058,592 | \$ 307,716,551 |
| Coconino | \$ 467,589,556 | \$ 242,635,040 | \$ 31,834,143 | \$ 742,058,739 |
| Gila | \$ 238,566,100 | \$ 88,342,744 | \$ 7,034,511 | \$ 333,943,355 |
| Graham | \$ 57,255,864 | \$ 27,464,850 | \$ 2,915,691 | \$ 87,636,405 |
| Greenlee | \$ 0 | \$ 7,140,824 | \$ 531,111 | \$ 7,671,935 |
| La Paz | \$ 190,852,880 | \$ 38,791,956 | \$ 2,384,580 | \$ 232,029,416 |
| Maricopa | \$ 4,685,438,204 | \$ 5,958,274,927 | \$ 730,299,303 | \$ 11,374,012,434 |
| Mohave | \$ 410,333,692 | \$ 269,183,545 | \$ 22,057,365 | \$ 701,574,602 |
| Navajo | \$ 486,674,844 | \$ 94,657,778 | \$ 8,801,268 | \$ 590,133,890 |
| Pima | \$ 1,183,287,856 | \$ 1,027,666,250 | \$ 70,030,779 | \$ 2,280,984,885 |
| Pinal | \$ 687,070,368 | \$ 347,266,318 | \$ 32,798,814 | \$ 1,067,135,500 |
| Santa Cruz | \$ 66,798,508 | \$ 22,580,302 | \$ 3,566,031 | \$ 92,944,841 |
| Yavapai | \$ 419,876,336 | \$ 305,630,794 | \$ 28,940,130 | \$ 754,447,260 |
| Yuma | \$ 295,821,964 | \$ 190,287,521 | \$ 17,537,502 | \$ 503,646,987 |
| TOTALS | \$ 9,638,070,440 | \$ 8,739,048,297 | \$ 971,532,087 | \$ 19,348,650,824 |

Table 1 – 5

State Adjusted Crash Costs

| | | |
|----|--------------------------|-------------|
| 1. | Fatality | \$9,542,644 |
| 2. | Suspected Serious Injury | \$539,785 |
| 3. | Suspected Minor Injury | \$179,594 |
| 4. | Possible Injury | \$102,861 |
| 5. | Property Damage Only | \$10,839 |

Source: www.safety.fhwa.dot.gov/hsip/docs/fhwasa17071.pdf

Section 1: – Highlights and Historical Trends

Traffic Crashes in Arizona by Year

Chart 1 – 1
Total Crashes

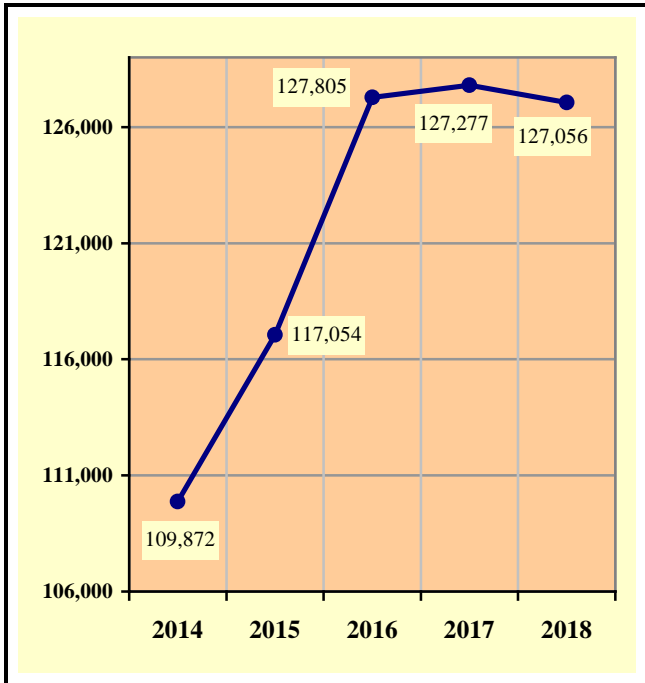


Chart 1 – 2
Fatal Crashes

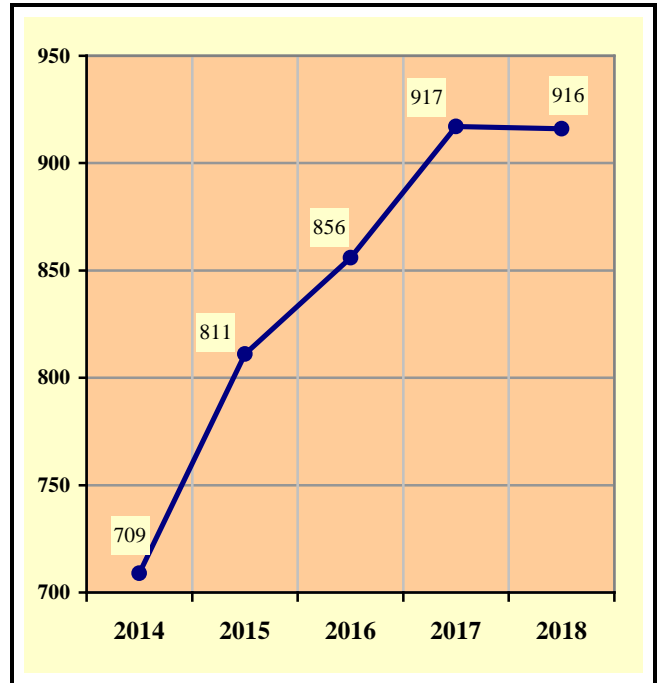


Chart 1 – 3
Injury Crashes

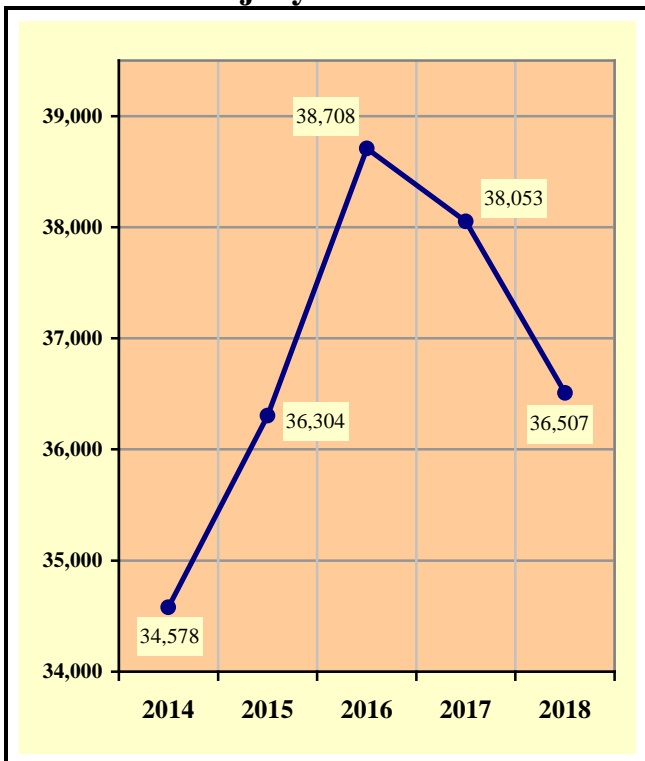
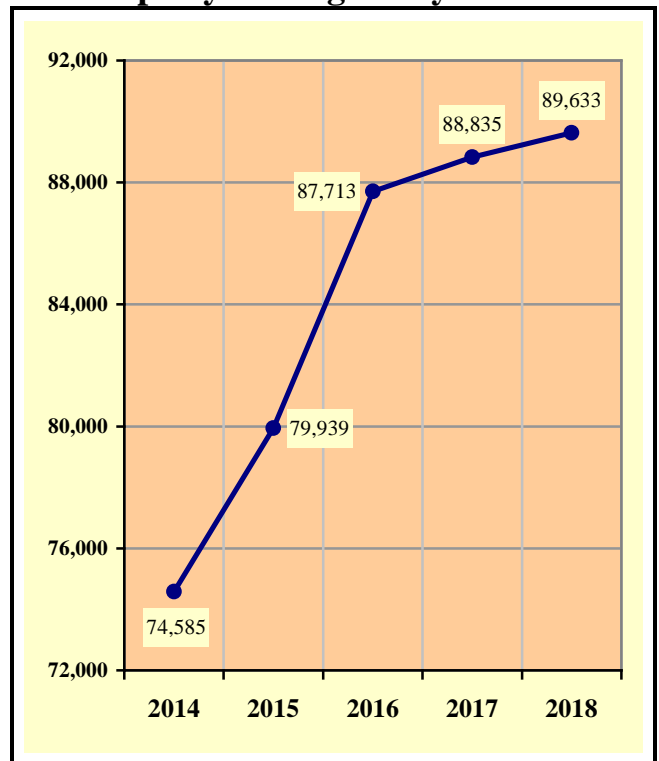


Chart 1 – 4
Property Damage Only Crashes



Section 1: – Highlights and Historical Trends

Table 1 – 6

Victims of Motor Vehicle Crashes

| Age of Victim | Persons Killed | | | | Persons Injured | | | |
|---------------|----------------|------------|------------|----------------|-----------------|---------------|---------------|----------------|
| | Total | Male | Female | Gender Unknown | Total | Male | Female | Gender Unknown |
| 0-4 | 12 | 7 | 5 | 0 | 704 | 332 | 372 | 0 |
| 5-9 | 9 | 7 | 2 | 0 | 1,011 | 497 | 514 | 0 |
| 10-14 | 11 | 6 | 5 | 0 | 1,419 | 658 | 761 | 0 |
| 15-19 | 64 | 33 | 31 | 0 | 5,260 | 2,506 | 2,754 | 0 |
| 20-24 | 100 | 74 | 26 | 0 | 6,803 | 3,279 | 3,524 | 0 |
| 25-34 | 180 | 132 | 48 | 0 | 10,470 | 5,088 | 5,382 | 0 |
| 35-44 | 128 | 93 | 35 | 0 | 7,973 | 3,735 | 4,238 | 0 |
| 45-54 | 127 | 95 | 32 | 0 | 7,288 | 3,514 | 3,774 | 0 |
| 55-64 | 166 | 116 | 50 | 0 | 6,035 | 2,913 | 3,122 | 0 |
| 65-74 | 135 | 103 | 32 | 0 | 3,754 | 1,823 | 1,931 | 0 |
| 75 & Older | 69 | 50 | 19 | 0 | 2,042 | 941 | 1,101 | 0 |
| Unknown | 9 | 2 | 1 | 6 | 617 | 263 | 266 | 88 |
| TOTAL | 1,010 | 718 | 286 | 6 | 53,376 | 25,549 | 27,739 | 88 |

Table 1 – 7

Suspected Serious Injuries by Person Type 2014-2018

| Year | Drivers | Passengers | Pedestrians | Pedalcyclists | Total |
|--------------|---------------|--------------|--------------|---------------|---------------|
| 2014 | 2,557 | 925 | 323 | 161 | 3,966 |
| 2015 | 2,777 | 950 | 303 | 183 | 4,213 |
| 2016 | 2,908 | 1,053 | 425 | 218 | 4,604 |
| 2017 | 2,639 | 984 | 388 | 181 | 4,192 |
| 2018 | 2,396 | 780 | 381 | 172 | 3,729 |
| TOTAL | 13,277 | 4,692 | 1,820 | 915 | 20,704 |

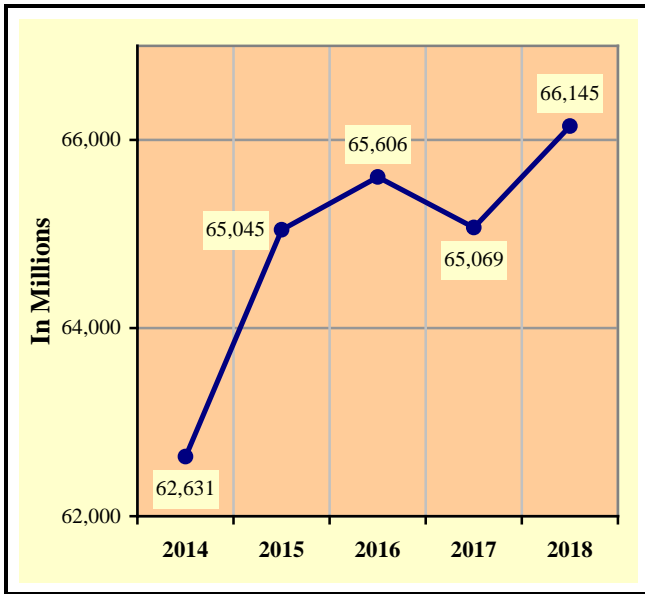
Table 1 – 8

Young drivers (age 15-24) killed in crashes 2014-2018

| Year | Age of Driver | | | | | | | | | | Total |
|--------------|---------------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|
| | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | |
| 2014 | 0 | 0 | 1 | 14 | 8 | 5 | 9 | 10 | 13 | 10 | 70 |
| 2015 | 1 | 2 | 4 | 7 | 7 | 13 | 15 | 15 | 10 | 10 | 84 |
| 2016 | 2 | 2 | 1 | 13 | 12 | 11 | 9 | 18 | 15 | 14 | 97 |
| 2017 | 1 | 0 | 2 | 8 | 9 | 10 | 14 | 18 | 10 | 10 | 82 |
| 2018 | 1 | 2 | 4 | 13 | 6 | 12 | 10 | 13 | 12 | 14 | 87 |
| TOTAL | 5 | 6 | 12 | 55 | 42 | 51 | 57 | 74 | 60 | 58 | 420 |

Section 1: – Highlights and Historical Trends

**Chart 1 – 5
Vehicle Miles Traveled**

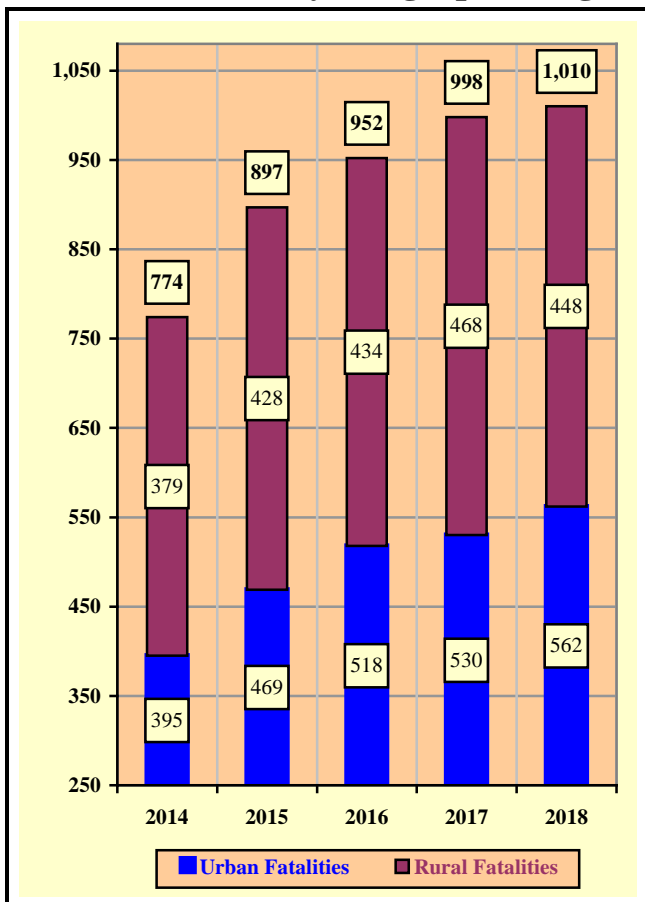


**Chart 1 – 6
Arizona Fatality Rate vs. Injury Rate**

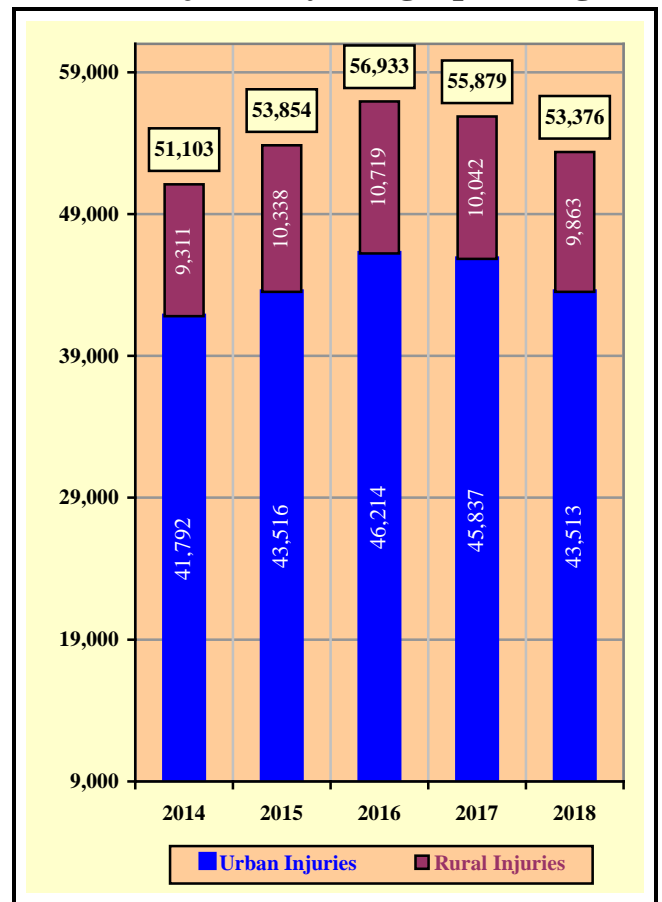


Source: ADOT – Multimodal Planning Division

**Chart 1 – 7
Traffic Fatalities by Geographic Region**



**Chart 1 – 8
Traffic Injuries by Geographic Region**



Section 1: – Highlights and Historical Trends

Table 1 – 9

Holiday Crash Statistics

Holidays such as Memorial Day, Labor Day, and Thanksgiving are regarded as three or four day weekend holidays for statistical purposes. Holidays such as Christmas, New Year’s Day, and the Fourth of July are celebrated on specific dates; which make the holiday period range from two to five days in length.

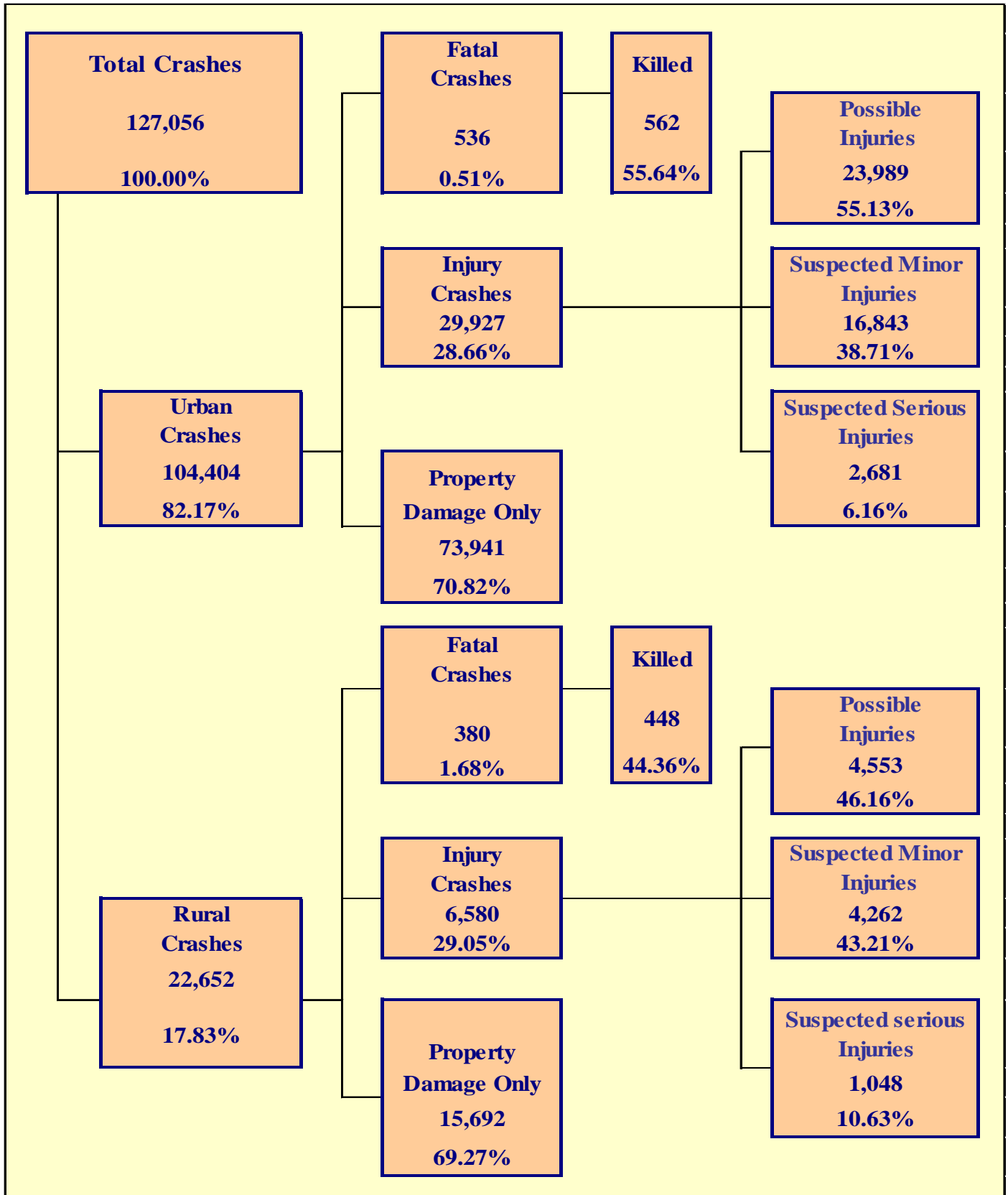
Holiday fatality statistics are based on fatal crashes occurring from 6:00 p.m. on the last working day prior to the holiday through 5:59 a.m. the day following the holiday period. Example: Thanksgiving fatalities are counted from Wednesday evening at 6:00 p.m. through 5:59 a.m. of the following Monday.

| 2018 Holidays | Beginning at 6:00 p.m. | Ending at 5:59 a.m. | Number of Days | Fatal Crashes | Persons Killed | Alcohol Related Fatal Crashes | Alcohol Related Fatalities |
|------------------|------------------------|---------------------|----------------|---------------|----------------|-------------------------------|----------------------------|
| New Year’s Day | Friday | Tuesday | 4 | 10 | 10 | 3 | 3 |
| | 12/29/2017 | 1/2/2018 | | | | | |
| Memorial Day | Friday | Tuesday | 4 | 7 | 8 | 2 | 2 |
| | 5/25/2018 | 5/29/2018 | | | | | |
| July 4th | Tuesday | Thursday | 2 | 4 | 4 | 1 | 1 |
| | 7/3/2018 | 7/5/2018 | | | | | |
| Labor Day | Friday | Tuesday | 4 | 8 | 9 | 4 | 4 |
| | 8/31/2018 | 9/4/2018 | | | | | |
| Thanksgiving Day | Wednesday | Monday | 5 | 6 | 6 | 2 | 2 |
| | 11/21/2018 | 11/26/2018 | | | | | |
| Christmas Day | Friday | Wednesday | 5 | 10 | 11 | 5 | 5 |
| | 12/21/2018 | 12/26/2018 | | | | | |

| Fatal Crashes by Year | New Year’s Day | Memorial Day | July 4th | Labor Day | Thanksgiving | Christmas Day | Total |
|-----------------------|----------------|--------------|----------|-----------|--------------|---------------|-------|
| 2014 | 3 | 7 | 7 | 4 | 14 | 7 | 42 |
| 2015 | 7 | 10 | 11 | 10 | 10 | 4 | 52 |
| 2016 | 6 | 7 | 13 | 7 | 11 | 4 | 48 |
| 2017 | 12 | 5 | 4 | 9 | 16 | 10 | 56 |
| 2018 | 10 | 7 | 4 | 8 | 6 | 10 | 45 |

| Persons Killed | New Year’s Day | Memorial Day | July 4th | Labor Day | Thanksgiving | Christmas Day | Total |
|----------------|----------------|--------------|----------|-----------|--------------|---------------|-------|
| 2014 | 3 | 8 | 9 | 6 | 18 | 8 | 52 |
| 2015 | 7 | 11 | 11 | 10 | 16 | 6 | 61 |
| 2016 | 6 | 7 | 15 | 8 | 11 | 6 | 53 |
| 2017 | 13 | 7 | 4 | 9 | 17 | 10 | 60 |
| 2018 | 10 | 8 | 4 | 9 | 6 | 11 | 48 |

| Number of Days | New Year’s Day | Memorial Day | July 4th | Labor Day | Thanksgiving | Christmas Day | Total |
|----------------|----------------|--------------|----------|-----------|--------------|---------------|-------|
| 2014 | 2 | 4 | 4 | 4 | 5 | 5 | 24 |
| 2015 | 5 | 4 | 4 | 4 | 5 | 4 | 26 |
| 2016 | 4 | 4 | 4 | 4 | 5 | 4 | 25 |
| 2017 | 4 | 4 | 2 | 4 | 5 | 4 | 23 |
| 2018 | 4 | 4 | 2 | 4 | 5 | 5 | 24 |



Section 2: – Geographic Location

Fatal Crashes in Arizona (916) accounted for 0.72% of all crashes, Injury Crashes (36,507) accounted for 28.73%, and Property Damage Only (PDO) Crashes (89,633) accounted for 70.55%.

**Table 2 – 1
Crash Severity by First Harmful Event Statewide**

| First Harmful Event Type | Number of Crashes | | | | Number of Persons | |
|---|-------------------|------------|---------------|---------------|-------------------|---------------|
| | Total | Fatal | Injury | PDO | Killed | Injured |
| Collision with Motor Vehicle in Transport | 97,081 | 328 | 27,076 | 69,677 | 385 | 41,829 |
| Overturning | 2,606 | 116 | 1,624 | 866 | 127 | 2,134 |
| Collision with Pedestrian | 1,595 | 230 | 1,329 | 36 | 234 | 1,425 |
| Collision with Pedalcyclist | 1,220 | 24 | 1,123 | 73 | 24 | 1,150 |
| Collision with Animal | 2,247 | 2 | 202 | 2,043 | 2 | 249 |
| Collision with Fixed Object | 12,065 | 186 | 3,423 | 8,456 | 203 | 4,223 |
| Collision with Non-fixed Object* | 5,649 | 5 | 561 | 5,083 | 8 | 687 |
| Vehicle Fire or Explosion | 354 | 0 | 12 | 342 | 0 | 15 |
| Other Non-collision** | 376 | 10 | 29 | 337 | 10 | 35 |
| Unknown | 3,863 | 15 | 1,128 | 2,720 | 17 | 1,629 |
| TOTAL | 127,056 | 916 | 36,507 | 89,633 | 1,010 | 53,376 |
| *Includes Collision with Parked Vehicles, Trains, Railway Vehicles, and Work Zone Equipment | | | | | | |
| **Includes Vehicle Immersion, Jackknife, and Cargo Loss or Shift | | | | | | |

**Table 2 – 2
Crashes by County**

| County | Number of Crashes | | | | Number of Persons | |
|--------------|-------------------|------------|---------------|---------------|-------------------|---------------|
| | Total | Fatal | Injury | PDO | Killed | Injured |
| Apache | 375 | 22 | 100 | 253 | 25 | 153 |
| Cochise | 1,253 | 21 | 304 | 928 | 22 | 462 |
| Coconino | 3,863 | 37 | 889 | 2,937 | 49 | 1,345 |
| Gila | 945 | 22 | 274 | 649 | 25 | 425 |
| Graham | 366 | 6 | 91 | 269 | 6 | 142 |
| Greenlee | 78 | 0 | 29 | 49 | 0 | 32 |
| La Paz | 353 | 15 | 118 | 220 | 20 | 186 |
| Maricopa | 93,813 | 467 | 25,969 | 67,377 | 491 | 37,646 |
| Mohave | 2,975 | 39 | 901 | 2,035 | 43 | 1,311 |
| Navajo | 1,179 | 40 | 327 | 812 | 51 | 524 |
| Pima | 10,739 | 116 | 4,162 | 6,461 | 124 | 6,197 |
| Pinal | 4,368 | 56 | 1,286 | 3,026 | 72 | 2,009 |
| Santa Cruz | 438 | 6 | 103 | 329 | 7 | 139 |
| Yavapai | 3,823 | 40 | 1,113 | 2,670 | 44 | 1,592 |
| Yuma | 2,488 | 29 | 841 | 1,618 | 31 | 1,213 |
| TOTAL | 127,056 | 916 | 36,507 | 89,633 | 1,010 | 53,376 |

Section 2: – Geographic Location

Table 2 – 3
Crash Severity by First Harmful Event in Urban Areas

| First Harmful Event Type | Number of Crashes | | | | Number of Persons | |
|---|-------------------|------------|---------------|---------------|-------------------|---------------|
| | Total | Fatal | Injury | PDO | Killed | Injured |
| Collision with Motor Vehicle in Transport | 84,088 | 206 | 23,240 | 60,642 | 219 | 35,565 |
| Overturning | 846 | 20 | 608 | 218 | 23 | 713 |
| Collision with Pedestrian | 1,457 | 182 | 1,244 | 31 | 186 | 1,326 |
| Collision with Pedalcyclist | 1,131 | 18 | 1,045 | 68 | 18 | 1,069 |
| Collision with Animal | 309 | 0 | 28 | 281 | 0 | 29 |
| Collision with Fixed Object | 7,990 | 101 | 2,195 | 5,694 | 107 | 2,654 |
| Collision with Non-fixed Object* | 4,443 | 1 | 423 | 4,019 | 1 | 514 |
| Vehicle Fire or Explosion | 99 | 0 | 5 | 94 | 0 | 5 |
| Other Non-collision** | 225 | 6 | 21 | 198 | 6 | 23 |
| Unknown | 3,816 | 2 | 1,118 | 2,696 | 2 | 1,615 |
| TOTAL | 104,404 | 536 | 29,927 | 73,941 | 562 | 43,513 |
| *Includes Collision with Parked Vehicles, Trains, Railway Vehicles, and Work Zone Equipment | | | | | | |
| **Includes Vehicle Immersion, Jackknife, and Cargo Loss or Shift | | | | | | |

Table 2 – 4
Crash Severity by First Harmful Event in Rural Areas

| First Harmful Event Type | Number of Crashes | | | | Number of Persons | |
|---|-------------------|------------|--------------|---------------|-------------------|--------------|
| | Total | Fatal | Injury | PDO | Killed | Injured |
| Collision with Motor Vehicle in Transport | 12,993 | 122 | 3,836 | 9,035 | 166 | 6,264 |
| Overturning | 1,760 | 96 | 1,016 | 648 | 104 | 1,421 |
| Collision with Pedestrian | 138 | 48 | 85 | 5 | 48 | 99 |
| Collision with Pedalcyclist | 89 | 6 | 78 | 5 | 6 | 81 |
| Collision with Animal | 1,938 | 2 | 174 | 1,762 | 2 | 220 |
| Collision with Fixed Object | 4,075 | 85 | 1,228 | 2,762 | 96 | 1,569 |
| Collision with Non-fixed Object* | 1,206 | 4 | 138 | 1,064 | 7 | 173 |
| Vehicle Fire or Explosion | 255 | 0 | 7 | 248 | 0 | 10 |
| Other Non-collision** | 151 | 4 | 8 | 139 | 4 | 12 |
| Unknown | 47 | 13 | 10 | 24 | 15 | 14 |
| TOTAL | 22,652 | 380 | 6,580 | 15,692 | 448 | 9,863 |
| *Includes Collision with Parked Vehicles, Trains, Railway Vehicles, and Work Zone Equipment | | | | | | |
| **Includes Vehicle Immersion, Jackknife, and Cargo Loss or Shift | | | | | | |

While Urban Crashes in Arizona (104,404) accounted for 82.17% of all crashes, they accounted for 58.52% of all Fatal Crashes (536) occurring in 2018.

While Rural Crashes in Arizona (22,652) accounted for 17.83% of all crashes, they accounted for 41.48% of all Fatal Crashes (380) occurring in 2018.

Section 2: – Geographic Location

Table 2 – 5

Analysis by Jurisdiction

| COUNTIES Cities | Number of Crashes | | | | No. of Persons | | Alcohol Related | | |
|--------------------|-------------------|-----------|------------|------------|----------------|------------|-----------------|----------|----------|
| | Total | Fatal | Injury | PDO | Killed | Injured | Crashes | Killed | Injured |
| Apache County | 339 | 21 | 86 | 232 | 24 | 133 | 14 | 2 | 8 |
| Eagar | 19 | 0 | 7 | 12 | 0 | 11 | 2 | 0 | 0 |
| St. Johns | 6 | 0 | 2 | 4 | 0 | 2 | 0 | 0 | 0 |
| Springerville | 11 | 1 | 5 | 5 | 1 | 7 | 1 | 0 | 1 |
| TOTAL | 375 | 22 | 100 | 253 | 25 | 153 | 17 | 2 | 9 |

| | | | | | | | | | |
|----------------|--------------|-----------|------------|------------|-----------|------------|-----------|----------|-----------|
| Cochise County | 498 | 13 | 122 | 363 | 13 | 187 | 22 | 3 | 21 |
| Benson | 92 | 0 | 18 | 74 | 0 | 33 | 5 | 0 | 5 |
| Bisbee | 3 | 2 | 0 | 1 | 2 | 0 | 0 | 0 | 0 |
| Douglas | 105 | 0 | 26 | 79 | 0 | 39 | 8 | 0 | 1 |
| Huachuca City | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Sierra Vista | 528 | 6 | 132 | 390 | 7 | 194 | 19 | 2 | 15 |
| Tombstone | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Willcox | 25 | 0 | 6 | 19 | 0 | 9 | 1 | 0 | 2 |
| TOTAL | 1,253 | 21 | 304 | 928 | 22 | 462 | 55 | 5 | 44 |

| | | | | | | | | | |
|-----------------|--------------|-----------|------------|--------------|-----------|--------------|------------|----------|------------|
| Coconino County | 1,551 | 32 | 386 | 1,133 | 43 | 608 | 74 | 6 | 72 |
| Flagstaff | 1,865 | 4 | 412 | 1,449 | 4 | 600 | 77 | 2 | 70 |
| Fredonia | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Williams | 107 | 0 | 15 | 92 | 0 | 16 | 3 | 0 | 2 |
| Page | 117 | 1 | 34 | 82 | 2 | 66 | 15 | 0 | 10 |
| Sedona | 222 | 0 | 42 | 180 | 0 | 55 | 3 | 0 | 5 |
| TOTAL | 3,863 | 37 | 889 | 2,937 | 49 | 1,345 | 172 | 8 | 159 |

| | | | | | | | | | |
|--------------|------------|-----------|------------|------------|-----------|------------|-----------|----------|-----------|
| Gila County | 578 | 18 | 175 | 385 | 20 | 266 | 33 | 1 | 29 |
| Globe | 112 | 2 | 32 | 78 | 3 | 61 | 3 | 0 | 1 |
| Hayden | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Miami | 31 | 0 | 7 | 24 | 0 | 9 | 2 | 0 | 0 |
| Payson | 224 | 2 | 60 | 162 | 2 | 89 | 7 | 0 | 8 |
| Winkelman | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TOTAL | 945 | 22 | 274 | 649 | 25 | 425 | 45 | 1 | 38 |

| | | | | | | | | | |
|---------------|------------|----------|-----------|------------|----------|------------|-----------|----------|----------|
| Graham County | 145 | 5 | 40 | 100 | 5 | 66 | 9 | 0 | 7 |
| Pima | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Safford | 148 | 1 | 33 | 114 | 1 | 48 | 6 | 0 | 2 |
| Thatcher | 72 | 0 | 18 | 54 | 0 | 28 | 1 | 0 | 0 |
| TOTAL | 366 | 6 | 91 | 269 | 6 | 142 | 16 | 0 | 9 |

| | | | | | | | | | |
|-----------------|-----------|----------|-----------|-----------|----------|-----------|----------|----------|----------|
| Greenlee County | 45 | 0 | 19 | 26 | 0 | 20 | 0 | 0 | 0 |
| Clifton | 32 | 0 | 10 | 22 | 0 | 12 | 2 | 0 | 2 |
| Duncan | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| TOTAL | 78 | 0 | 29 | 49 | 0 | 32 | 2 | 0 | 2 |

Section 2: – Geographic Location

Table 2 – 5

Analysis by Jurisdiction

| COUNTIES Cities | Number of Crashes | | | | No. of Persons | | Alcohol Related | | |
|--------------------|-------------------|-----------|------------|------------|----------------|------------|-----------------|----------|-----------|
| | Total | Fatal | Injury | PDO | Killed | Injured | Crashes | Killed | Injured |
| La Paz County | 279 | 12 | 95 | 172 | 17 | 153 | 12 | 5 | 14 |
| Parker | 33 | 0 | 11 | 22 | 0 | 15 | 1 | 0 | 0 |
| Quartzite | 41 | 3 | 12 | 26 | 3 | 18 | 3 | 1 | 1 |
| TOTAL | 353 | 15 | 118 | 220 | 20 | 186 | 16 | 6 | 15 |

| | | | | | | | | | |
|-----------------|---------------|------------|---------------|---------------|------------|---------------|--------------|------------|--------------|
| Maricopa County | 6,588 | 59 | 2,047 | 4,482 | 65 | 2,940 | 219 | 23 | 154 |
| Avondale | 1,666 | 7 | 469 | 1,190 | 7 | 706 | 58 | 3 | 38 |
| Buckeye | 685 | 6 | 211 | 468 | 6 | 334 | 29 | 1 | 24 |
| Cave Creek | 49 | 0 | 16 | 33 | 0 | 28 | 1 | 0 | 0 |
| Chandler | 4,715 | 15 | 1,362 | 3,338 | 15 | 2,091 | 132 | 3 | 90 |
| El Mirage | 416 | 1 | 102 | 313 | 1 | 148 | 22 | 0 | 8 |
| Gila Bend | 49 | 2 | 14 | 33 | 2 | 21 | 0 | 0 | 0 |
| Gilbert | 2,815 | 8 | 476 | 2,331 | 8 | 655 | 86 | 2 | 34 |
| Glendale | 5,265 | 24 | 1,229 | 4,012 | 25 | 1,692 | 165 | 7 | 89 |
| Goodyear | 1,097 | 8 | 298 | 791 | 9 | 464 | 26 | 2 | 16 |
| Mesa | 7,730 | 39 | 2,212 | 5,479 | 40 | 3,023 | 288 | 6 | 165 |
| Paradise Valley | 8 | 0 | 1 | 7 | 0 | 1 | 0 | 0 | 0 |
| Peoria | 2,678 | 11 | 895 | 1,772 | 12 | 1,264 | 89 | 4 | 62 |
| Phoenix | 43,976 | 234 | 11,823 | 31,919 | 246 | 17,265 | 1,253 | 86 | 707 |
| Scottsdale | 4,077 | 20 | 1,297 | 2,760 | 20 | 1,859 | 196 | 5 | 141 |
| Surprise | 1,566 | 4 | 440 | 1,122 | 4 | 663 | 71 | 1 | 55 |
| Tempe | 8,809 | 21 | 2,677 | 6,111 | 21 | 3,938 | 277 | 8 | 147 |
| Tolleson | 459 | 1 | 119 | 339 | 1 | 174 | 8 | 0 | 7 |
| Wickenburg | 172 | 1 | 27 | 144 | 1 | 38 | 3 | 1 | 3 |
| Youngtown | 50 | 0 | 10 | 40 | 0 | 10 | 4 | 0 | 0 |
| Guadalupe | 198 | 2 | 48 | 148 | 2 | 62 | 5 | 0 | 4 |
| Litchfield Park | 40 | 0 | 12 | 28 | 0 | 19 | 2 | 0 | 7 |
| Queen Creek | 511 | 1 | 122 | 388 | 1 | 164 | 13 | 0 | 2 |
| Fountain Hills | 153 | 2 | 49 | 102 | 4 | 68 | 6 | 0 | 4 |
| Carefree | 41 | 1 | 13 | 27 | 1 | 19 | 5 | 1 | 4 |
| TOTAL | 93,813 | 467 | 25,969 | 67,377 | 491 | 37,646 | 2,958 | 153 | 1,761 |

| | | | | | | | | | |
|------------------|--------------|-----------|------------|--------------|-----------|--------------|------------|----------|-----------|
| Mohave County | 1,309 | 26 | 427 | 856 | 30 | 651 | 71 | 5 | 42 |
| Kingman | 648 | 4 | 155 | 489 | 4 | 221 | 27 | 0 | 11 |
| Lake Havasu City | 591 | 3 | 189 | 399 | 3 | 256 | 48 | 1 | 24 |
| Bullhead City | 412 | 6 | 123 | 283 | 6 | 175 | 29 | 2 | 16 |
| Colorado City | 15 | 0 | 7 | 8 | 0 | 8 | 1 | 0 | 1 |
| TOTAL | 2,975 | 39 | 901 | 2,035 | 43 | 1,311 | 176 | 8 | 94 |

Crashes in Maricopa County accounted for 73.84% of all crashes and 50.98% of fatal crashes.

Section 2: – Geographic Location

Table 2 – 5

Analysis by Jurisdiction

| COUNTIES Cities | Number of Crashes | | | | No. of Persons | | Alcohol Related | | |
|--------------------|-------------------|-----------|------------|------------|----------------|------------|-----------------|-----------|-----------|
| | Total | Fatal | Injury | PDO | Killed | Injured | Crashes | Killed | Injured |
| Navajo County | 598 | 34 | 164 | 400 | 45 | 278 | 45 | 11 | 25 |
| Holbrook | 23 | 0 | 5 | 18 | 0 | 11 | 1 | 0 | 1 |
| Show Low | 296 | 3 | 86 | 207 | 3 | 125 | 18 | 1 | 11 |
| Snowflake | 39 | 0 | 13 | 26 | 0 | 16 | 3 | 0 | 2 |
| Taylor | 43 | 0 | 11 | 32 | 0 | 18 | 2 | 0 | 1 |
| Winslow | 88 | 2 | 15 | 71 | 2 | 29 | 15 | 0 | 13 |
| Pinetop-Lakeside | 92 | 1 | 33 | 58 | 1 | 47 | 5 | 0 | 5 |
| TOTAL | 1,179 | 40 | 327 | 812 | 51 | 524 | 89 | 12 | 58 |

| | | | | | | | | | |
|--------------|---------------|------------|--------------|--------------|------------|--------------|------------|-----------|------------|
| Pima County | 3,219 | 40 | 973 | 2,206 | 45 | 1,494 | 169 | 20 | 105 |
| South Tucson | 59 | 0 | 26 | 33 | 0 | 44 | 2 | 0 | 2 |
| Tucson | 6,001 | 67 | 2,797 | 3,137 | 70 | 4,137 | 402 | 13 | 294 |
| Sahuarita | 223 | 3 | 61 | 159 | 3 | 93 | 5 | 1 | 9 |
| Oro Valley | 489 | 0 | 142 | 347 | 0 | 200 | 10 | 0 | 5 |
| Marana | 748 | 6 | 163 | 579 | 6 | 229 | 23 | 3 | 12 |
| TOTAL | 10,739 | 116 | 4,162 | 6,461 | 124 | 6,197 | 611 | 37 | 427 |

| | | | | | | | | | |
|-----------------|--------------|-----------|--------------|--------------|-----------|--------------|------------|-----------|------------|
| Pinal County | 2,223 | 41 | 641 | 1,541 | 56 | 1,013 | 99 | 13 | 80 |
| Casa Grande | 847 | 3 | 257 | 587 | 3 | 383 | 30 | 0 | 21 |
| Coolidge | 178 | 1 | 60 | 117 | 2 | 117 | 16 | 0 | 9 |
| Eloy | 152 | 4 | 43 | 105 | 4 | 86 | 5 | 0 | 9 |
| Florence | 97 | 0 | 28 | 69 | 0 | 37 | 4 | 0 | 3 |
| Kearny | 7 | 0 | 1 | 6 | 0 | 2 | 1 | 0 | 0 |
| Mammoth | 2 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 |
| Superior | 2 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 |
| Apache Junction | 511 | 7 | 172 | 332 | 7 | 248 | 25 | 1 | 17 |
| Maricopa | 349 | 0 | 82 | 267 | 0 | 121 | 24 | 0 | 15 |
| TOTAL | 4,368 | 56 | 1,286 | 3,026 | 72 | 2,009 | 204 | 14 | 154 |

| | | | | | | | | | |
|-------------------|------------|----------|------------|------------|----------|------------|-----------|----------|----------|
| Santa Cruz County | 280 | 6 | 62 | 212 | 7 | 82 | 10 | 2 | 2 |
| Nogales | 157 | 0 | 41 | 116 | 0 | 57 | 4 | 0 | 2 |
| Patagonia | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| TOTAL | 438 | 6 | 103 | 329 | 7 | 139 | 14 | 2 | 4 |

| | | | | | | | | | |
|-----------------|--------------|-----------|--------------|--------------|-----------|--------------|------------|----------|------------|
| Yavapai County | 1,876 | 34 | 575 | 1,267 | 38 | 854 | 71 | 5 | 54 |
| Clarkdale | 31 | 0 | 8 | 23 | 0 | 9 | 5 | 0 | 2 |
| Cottonwood | 251 | 2 | 78 | 171 | 2 | 100 | 13 | 2 | 10 |
| Jerome | 4 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 |
| Prescott | 810 | 2 | 220 | 588 | 2 | 293 | 40 | 0 | 15 |
| Prescott Valley | 462 | 1 | 134 | 327 | 1 | 196 | 16 | 0 | 17 |
| Chino Valley | 197 | 0 | 49 | 148 | 0 | 73 | 9 | 0 | 5 |
| Camp Verde | 158 | 1 | 42 | 115 | 1 | 59 | 5 | 0 | 4 |
| Dewey-Humboldt | 34 | 0 | 7 | 27 | 0 | 8 | 2 | 0 | 1 |
| TOTAL | 3,823 | 40 | 1,113 | 2,670 | 44 | 1,592 | 161 | 7 | 108 |

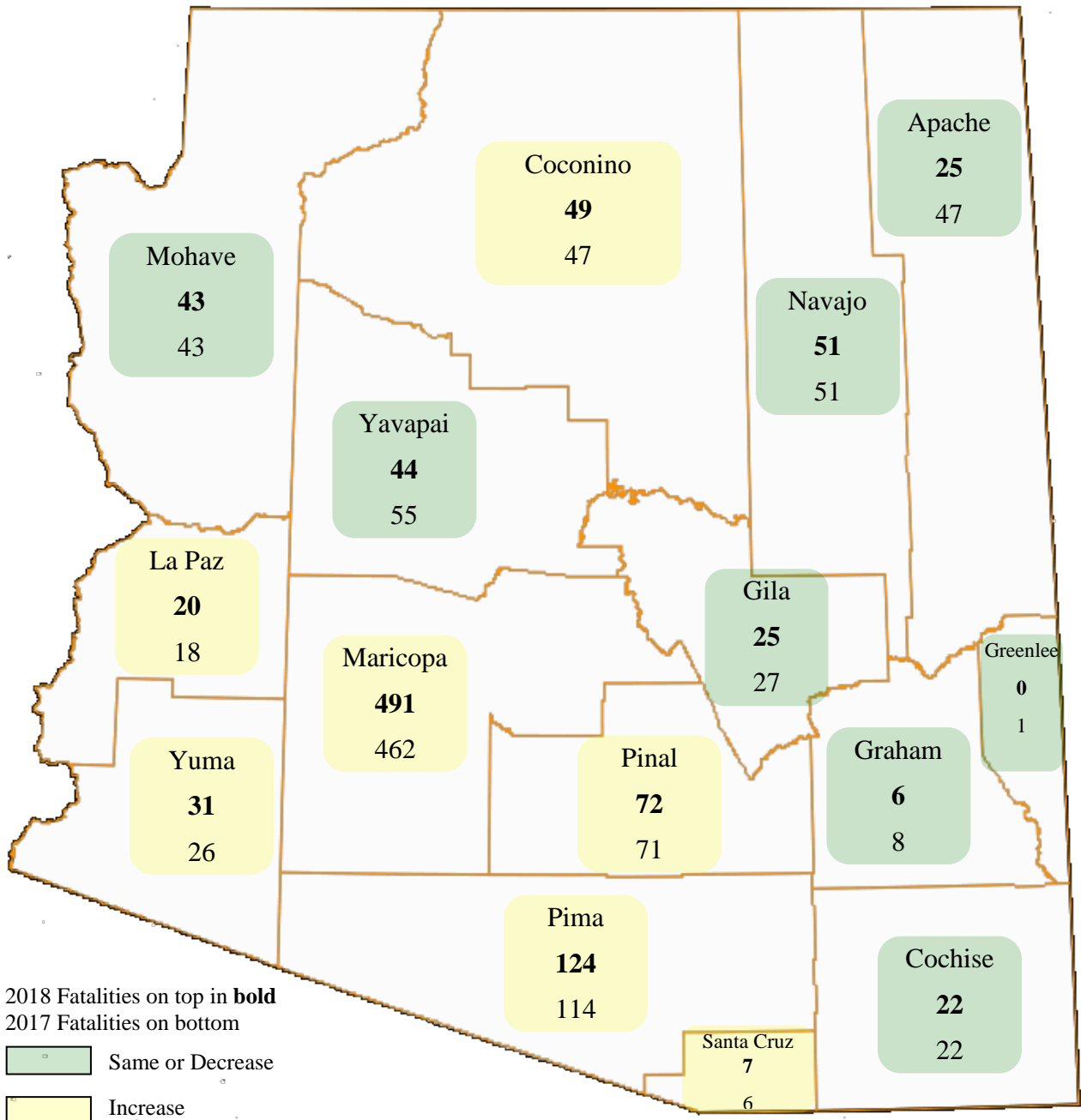
Section 2: – Geographic Location

Table 2 – 5
Analysis by Jurisdiction

| COUNTIES Cities | Number of Crashes | | | | No. of Persons | | Alcohol Related | | |
|--------------------|-------------------|-----------|------------|--------------|----------------|--------------|-----------------|----------|-----------|
| | Total | Fatal | Injury | PDO | Killed | Injured | Crashes | Killed | Injured |
| Yuma County | 749 | 20 | 209 | 520 | 21 | 309 | 32 | 4 | 16 |
| Somerton | 66 | 0 | 19 | 47 | 0 | 31 | 1 | 0 | 1 |
| Yuma | 1,428 | 7 | 566 | 855 | 8 | 803 | 74 | 1 | 48 |
| Wellton | 22 | 1 | 7 | 14 | 1 | 13 | 0 | 0 | 0 |
| San Luis | 223 | 1 | 40 | 182 | 1 | 57 | 8 | 1 | 4 |
| TOTAL | 2,488 | 29 | 841 | 1,618 | 31 | 1,213 | 115 | 6 | 69 |

Note: Some individual city data may be incomplete due to lack of timely reporting or changes in crash reporting procedures.

Total Fatalities by County for 2017 and 2018



Section 2: – Geographic Location

Chart 2 – 1

Urban and Rural Crashes by Day of Week

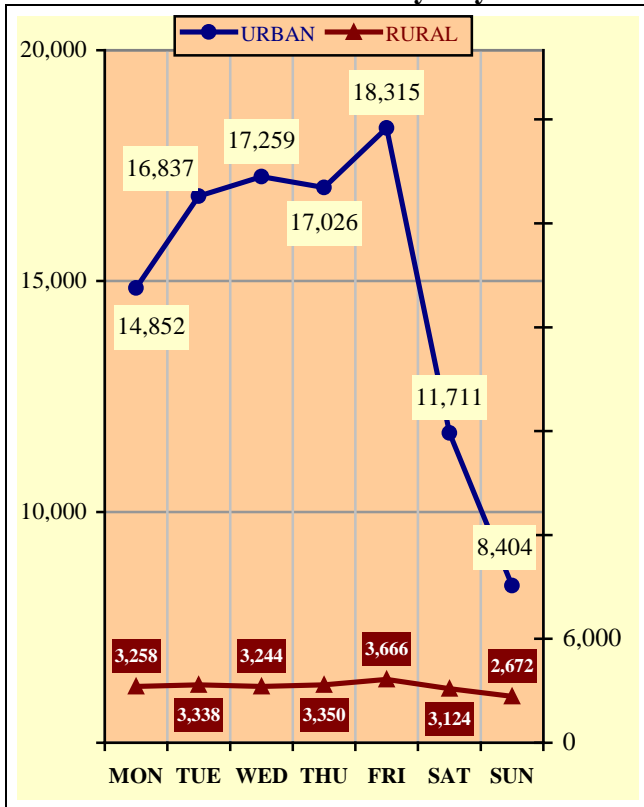


Chart 2 – 2

Urban and Rural Fatal Crashes by Day of Week

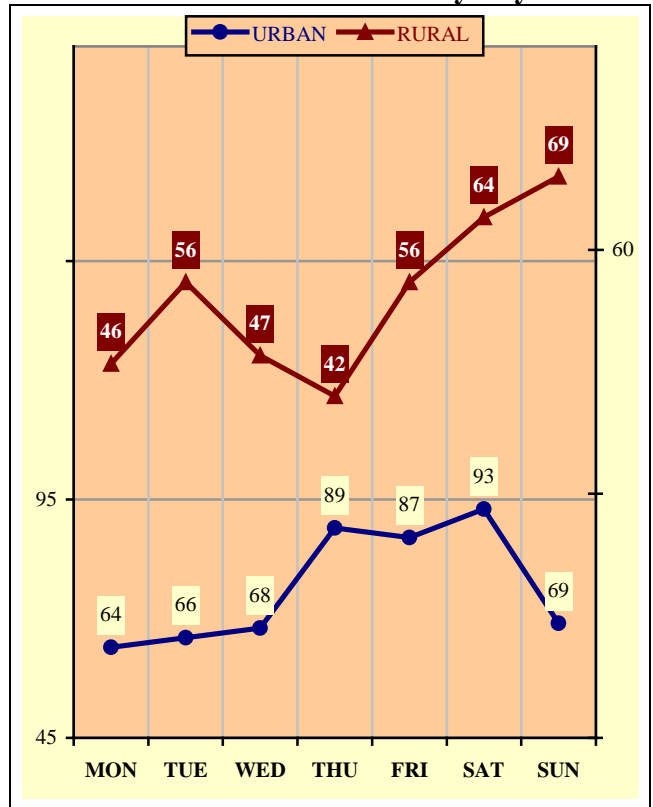
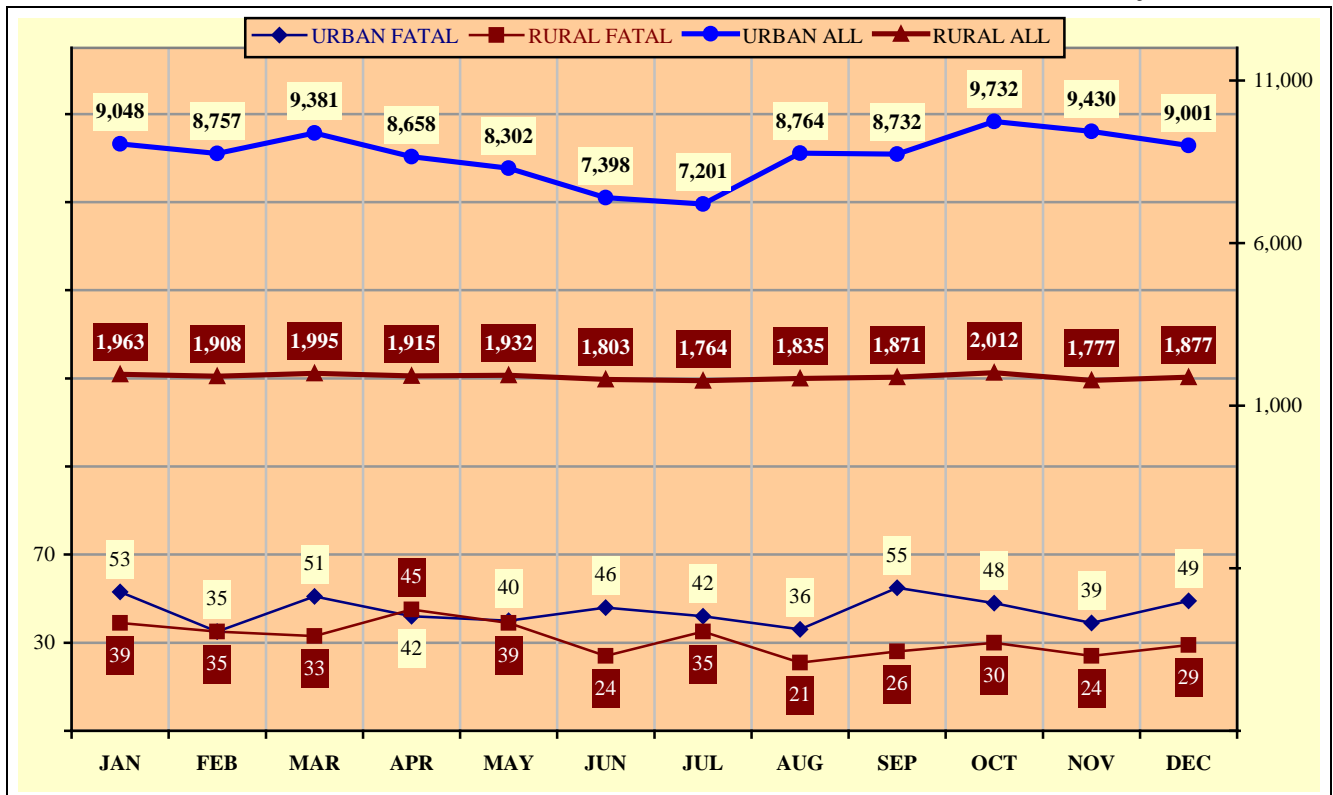


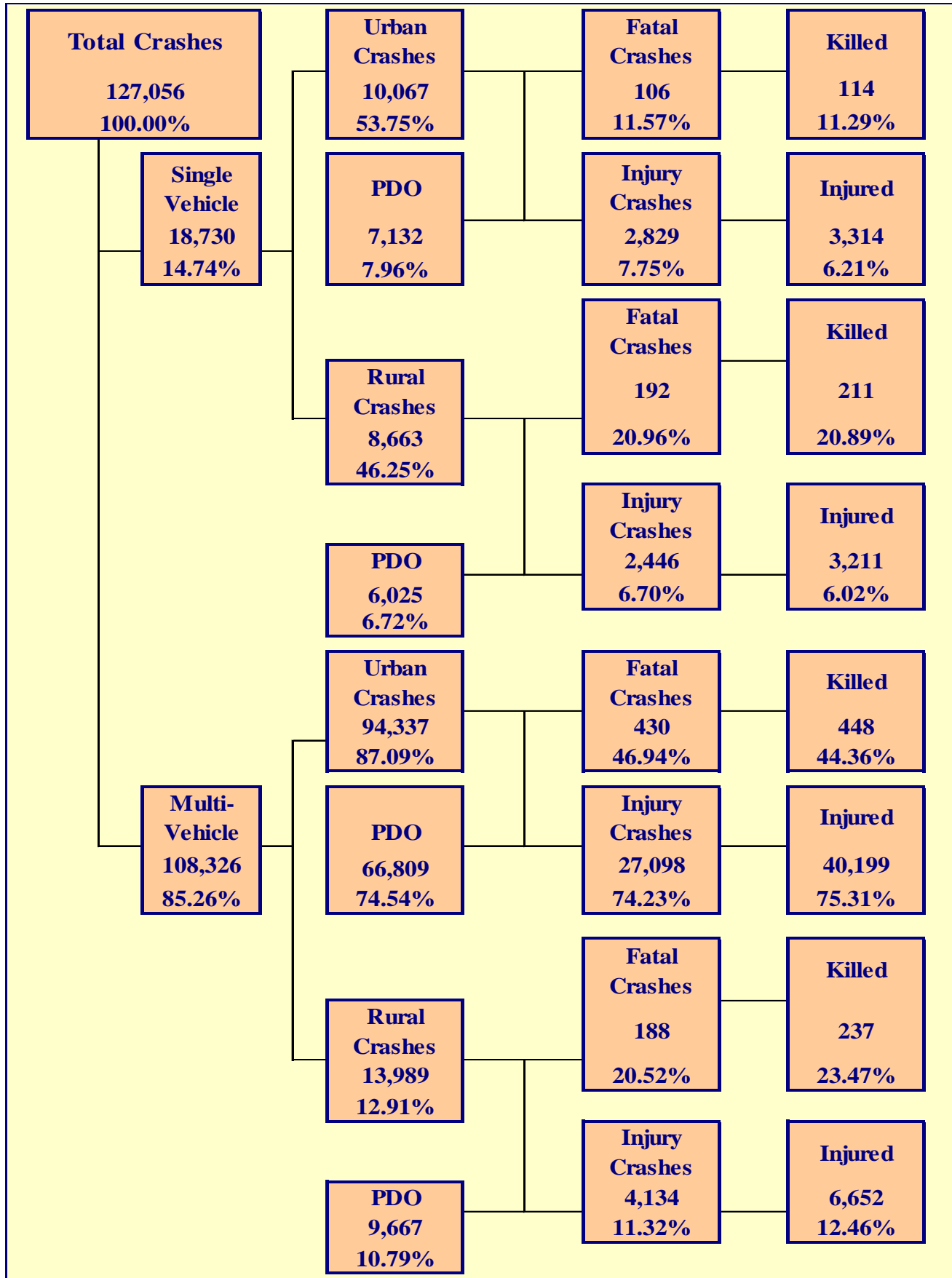
Chart 2 – 3

All Urban and Rural Crashes vs. Urban and Rural Fatal Crashes by Month



Section 3

Crash Descriptions



Section 3: – Crash Descriptions

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

| Manner of Collision Type | Number of Crashes | | | | | | | |
|--------------------------|-------------------|--------------------------|------------|--------------------------|---------------|---------------------------|---------------|------------------------|
| | Total | Percent of Total Crashes | Fatal | Percent of Fatal Crashes | Injury | Percent of Injury Crashes | PDO | Percent of PDO Crashes |
| Angle | 15,729 | 14.52% | 76 | 12.30% | 5,523 | 17.68% | 10,130 | 13.25% |
| Left Turn | 17,857 | 16.48% | 74 | 11.97% | 6,733 | 21.56% | 11,050 | 14.45% |
| Rear End | 48,073 | 44.38% | 62 | 10.03% | 13,528 | 43.31% | 34,483 | 45.09% |
| Head-On | 1,875 | 1.73% | 67 | 10.84% | 788 | 2.52% | 1,020 | 1.33% |
| Sideswipe (same) | 16,767 | 15.48% | 18 | 2.91% | 1,974 | 6.32% | 14,775 | 19.32% |
| Sideswipe (opposite) | 1,493 | 1.38% | 14 | 2.27% | 325 | 1.04% | 1,154 | 1.51% |
| U-Turn | 168 | 0.16% | 2 | 0.32% | 47 | 0.15% | 119 | 0.16% |
| Other* | 5,634 | 5.20% | 288 | 46.60% | 2,205 | 7.06% | 3,141 | 4.11% |
| Unknown | 730 | 0.67% | 17 | 2.75% | 109 | 0.35% | 604 | 0.79% |
| TOTAL | 108,326 | 100.00% | 618 | 100.00% | 31,232 | 100.00% | 76,476 | 100.00% |

*Other includes pedestrian and pedalcyclist crashes

Table 3 – 2
Lighting Conditions

| Type of Lighting Conditions | Number of Crashes | | | | Number of Persons | |
|-----------------------------|-------------------|------------|---------------|---------------|-------------------|---------------|
| | Total | Fatal | Injury | PDO | Killed | Injured |
| Daylight | 90,127 | 382 | 26,007 | 63,738 | 428 | 38,053 |
| Dawn | 2,229 | 15 | 635 | 1,579 | 16 | 874 |
| Dusk | 3,243 | 23 | 949 | 2,271 | 28 | 1,413 |
| Dark - Lighted | 23,685 | 250 | 6,848 | 16,587 | 263 | 10,010 |
| Dark - Not Lighted | 6,793 | 151 | 1,901 | 4,741 | 174 | 2,777 |
| Dark - Unknown Lighting | 461 | 43 | 71 | 347 | 44 | 98 |
| Unknown | 518 | 52 | 96 | 370 | 57 | 151 |
| TOTAL | 127,056 | 916 | 36,507 | 89,633 | 1,010 | 53,376 |

Table 3 – 3
Weather Conditions

| Type of Weather Conditions | Number of Crashes | | | | Number of Persons | |
|----------------------------|-------------------|------------|---------------|---------------|-------------------|---------------|
| | Total | Fatal | Injury | PDO | Killed | Injured |
| Clear | 109,989 | 660 | 31,851 | 77,478 | 725 | 46,615 |
| Cloudy | 10,701 | 62 | 3,091 | 7,548 | 72 | 4,456 |
| Sleet/Hail | 128 | 0 | 35 | 93 | 0 | 49 |
| Rain | 4,215 | 19 | 1,134 | 3,062 | 23 | 1,644 |
| Snow or Blowing Snow | 606 | 2 | 110 | 494 | 2 | 146 |
| Severe Crosswinds | 76 | 1 | 21 | 54 | 1 | 24 |
| Blowing Sand, Soil, Dirt | 150 | 0 | 52 | 98 | 0 | 86 |
| Fog, Smog, Smoke | 40 | 1 | 10 | 29 | 1 | 13 |
| Other | 94 | 1 | 28 | 65 | 1 | 38 |
| Unknown | 1,057 | 170 | 175 | 712 | 185 | 305 |
| TOTAL | 127,056 | 916 | 36,507 | 89,633 | 1,010 | 53,376 |

Section 3: – Crash Descriptions

Table 3 – 4
Road Surface Conditions

| Type of Road Surface Condition | Number of Drivers | | | | Number of Persons | |
|--------------------------------|-------------------|------------------|-------------------|----------------|-------------------|---------------|
| | Total | In Fatal Crashes | In Injury Crashes | In PDO Crashes | Killed | Injured |
| Dry | 234,578 | 1,136 | 69,116 | 164,326 | 779 | 50,530 |
| Wet | 9,759 | 44 | 2,708 | 7,007 | 32 | 2,090 |
| Snow/Slush | 876 | 6 | 153 | 717 | 2 | 129 |
| Ice/Frost | 406 | 2 | 73 | 331 | 3 | 81 |
| Water (standing or moving) | 331 | 3 | 97 | 231 | 2 | 93 |
| Mud, Dirt, Gravel, Sand | 480 | 5 | 201 | 274 | 9 | 246 |
| Other | 112 | 1 | 38 | 73 | 1 | 27 |
| Unknown | 2,868 | 229 | 384 | 2,255 | 182 | 180 |
| TOTAL | 249,410 | 1,426 | 72,770 | 175,214 | 1,010 | 53,376 |

Table 3 – 5
Roadway Grade

| Type of Roadway Grade | Number of Drivers | | | | Number of Persons | |
|-----------------------|-------------------|------------------|-------------------|----------------|-------------------|---------------|
| | Total | In Fatal Crashes | In Injury Crashes | In PDO Crashes | Killed | Injured |
| Level | 232,063 | 1,013 | 67,798 | 163,252 | 683 | 49,323 |
| Downhill | 7,893 | 100 | 2,444 | 5,349 | 84 | 2,146 |
| Uphill | 6,321 | 81 | 1,974 | 4,266 | 56 | 1,612 |
| Hillcrest | 235 | 1 | 86 | 148 | 3 | 59 |
| Sag/Dip/Bottom | 147 | 4 | 55 | 88 | 4 | 46 |
| Unknown | 2,751 | 227 | 413 | 2,111 | 180 | 190 |
| TOTAL | 249,410 | 1,426 | 72,770 | 175,214 | 1,010 | 53,376 |

Table 3 – 6
Roadway Alignment

| Type of Roadway Alignment | Number of Drivers | | | | Number of Persons | |
|---------------------------|-------------------|------------------|-------------------|----------------|-------------------|---------------|
| | Total | In Fatal Crashes | In Injury Crashes | In PDO Crashes | Killed | Injured |
| Straight | 233,300 | 1,023 | 68,648 | 163,629 | 682 | 49,785 |
| Curve Left | 6,178 | 87 | 1,687 | 4,404 | 70 | 1,640 |
| Curve Right | 6,386 | 90 | 1,796 | 4,500 | 78 | 1,606 |
| Unknown | 3,546 | 226 | 639 | 2,681 | 180 | 345 |
| TOTAL | 249,410 | 1,426 | 72,770 | 175,214 | 1,010 | 53,376 |

Section 3: – Crash Descriptions

Chart 3 – 1

All Crashes vs. Fatal Crashes by Time of Day - Weekdays

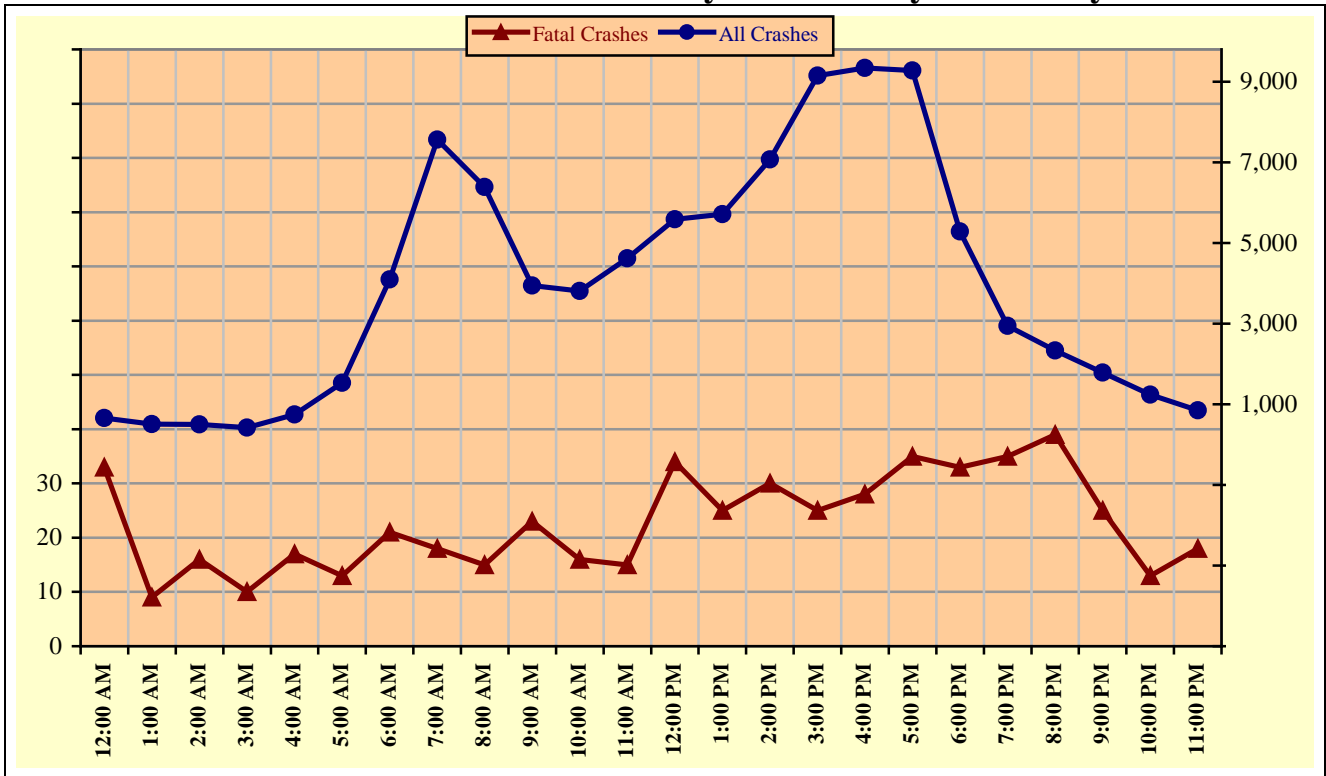
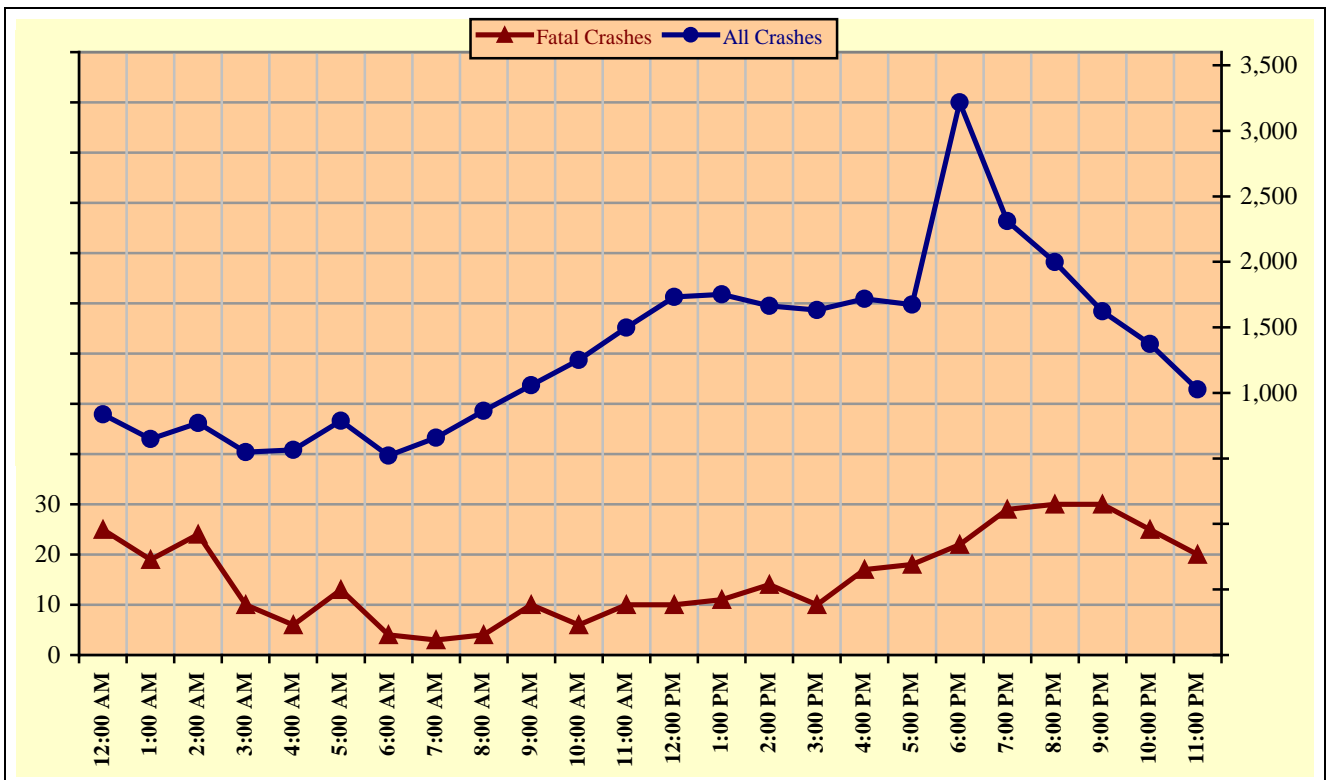


Chart 3 – 2

All Crashes vs. Fatal Crashes by Time of Day - Weekends



Section 3: – Crash Descriptions

Chart 3 – 3
Crashes by Day of Week

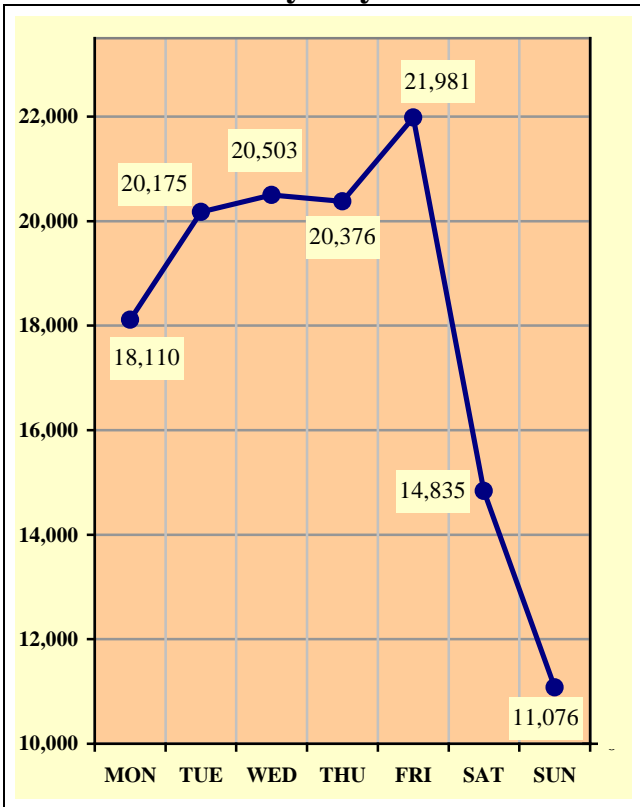


Chart 3 – 4
Fatal Crashes by Day of Week

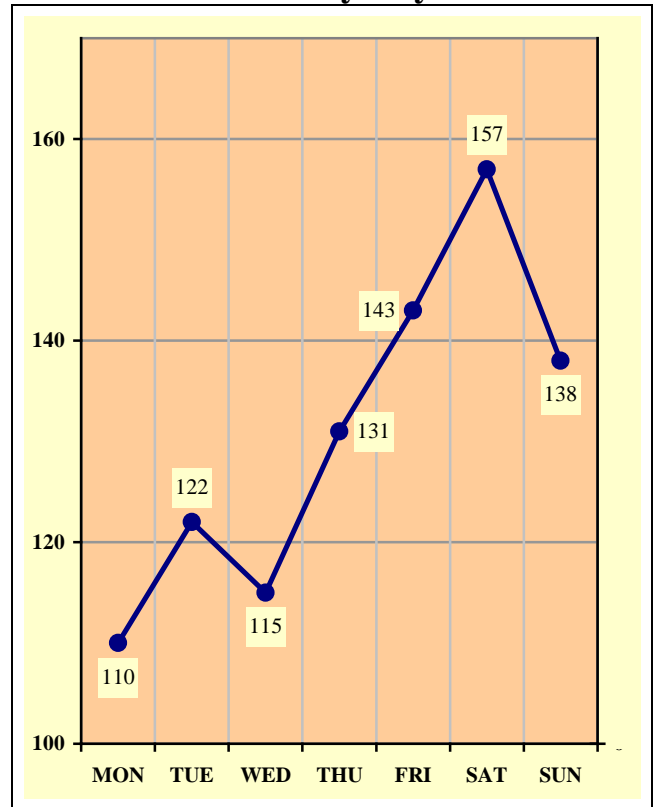
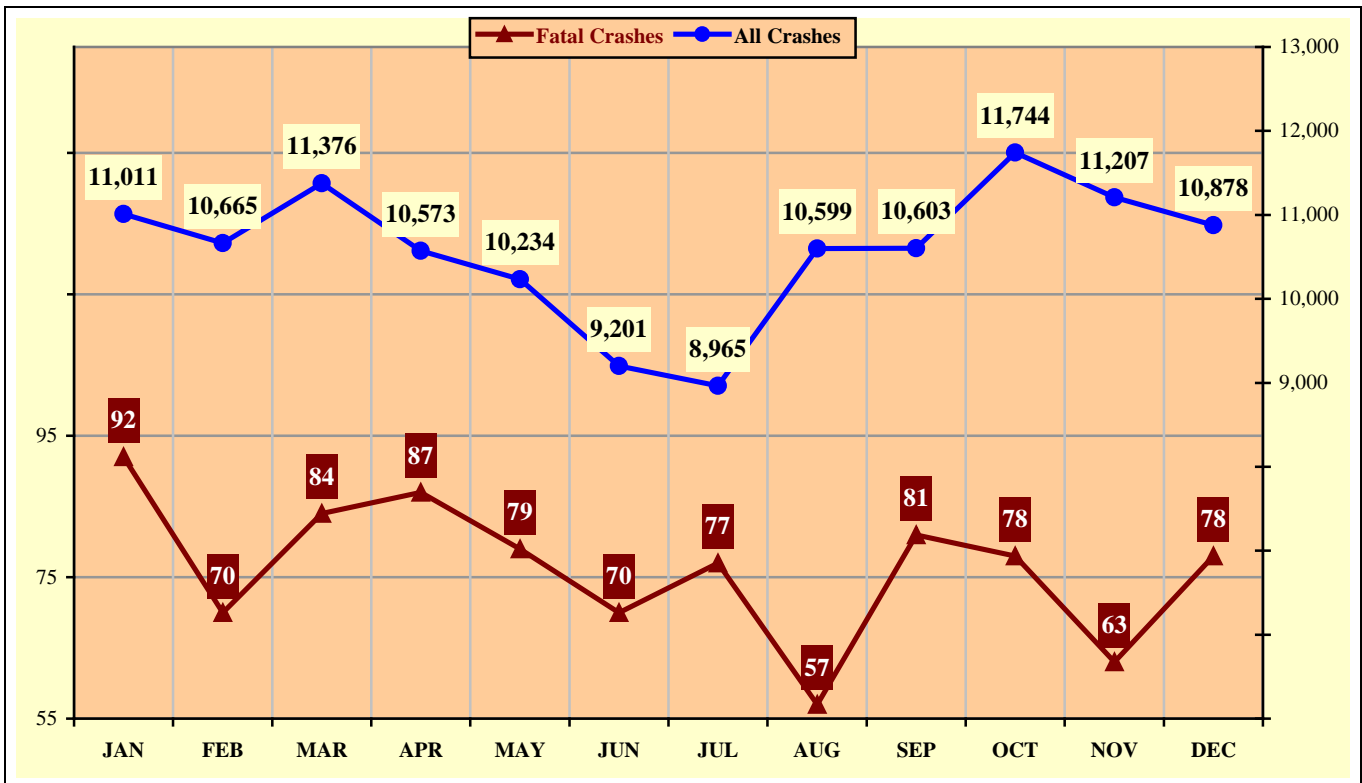


Chart 3 – 5
All Crashes vs. Fatal Crashes by Month

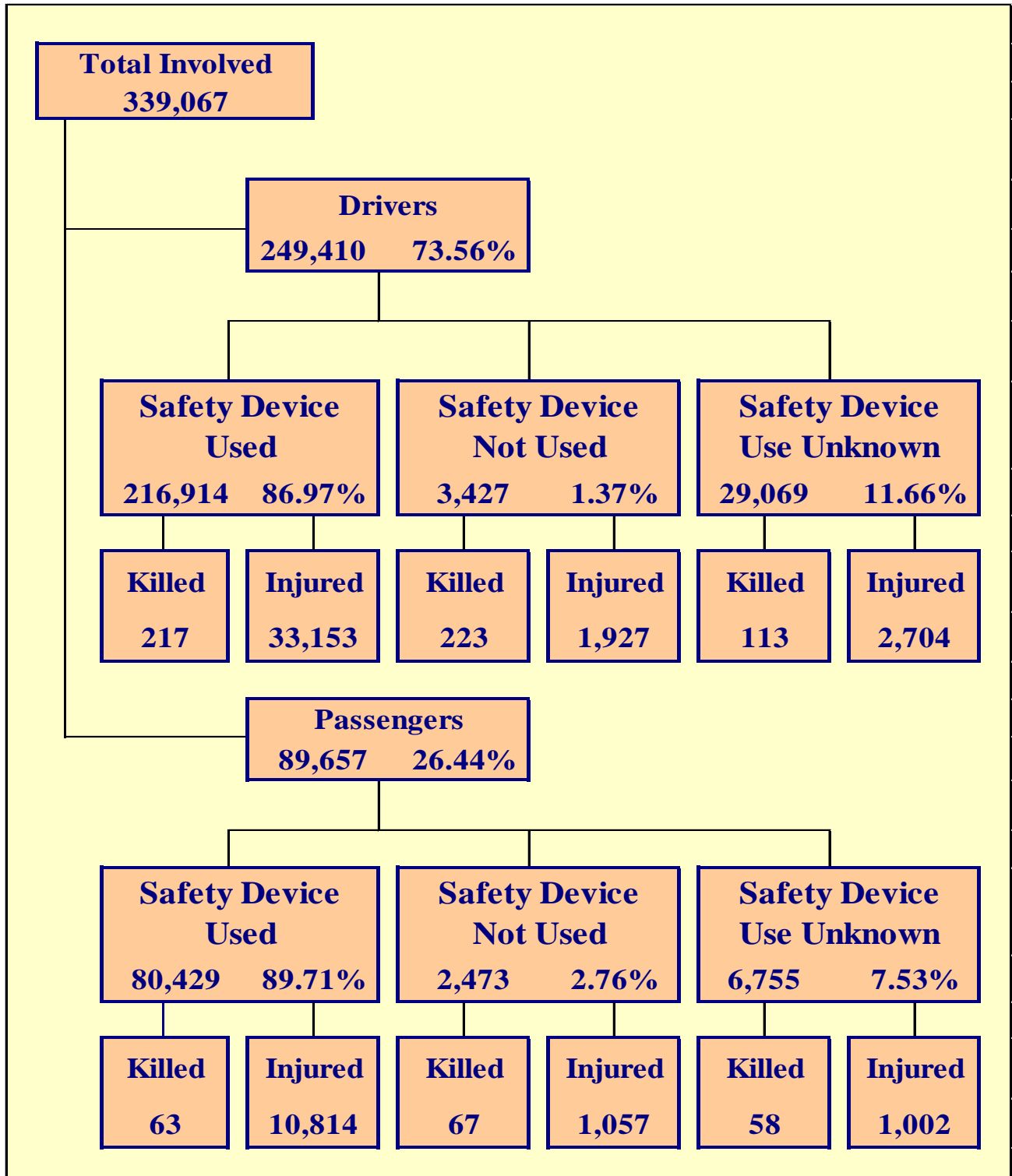


Section 3: – Crash Descriptions

**Table 3 – 7
Crashes by Hour and Day of Week**

| Hour Beginning | Total Crashes | | Monday | | Tuesday | | Wednesday | | Thursday | | Friday | | Saturday | | Sunday | | Weekdays | | Weekends | |
|----------------|----------------|------------|---------------|------------|---------------|------------|---------------|------------|---------------|------------|---------------|------------|---------------|------------|---------------|------------|---------------|------------|---------------|------------|
| | All | Fatal | All | Fatal | All | Fatal | All | Fatal | All | Fatal | All | Fatal | All | Fatal | All | Fatal | All | Fatal | All | Fatal |
| 12:00 AM | 1,491 | 58 | 194 | 6 | 139 | 9 | 161 | 5 | 158 | 7 | 198 | 12 | 316 | 9 | 325 | 10 | 656 | 33 | 835 | 25 |
| 1:00 AM | 1,158 | 28 | 113 | 6 | 106 | 2 | 130 | 2 | 107 | 3 | 166 | 2 | 262 | 8 | 274 | 5 | 509 | 9 | 649 | 19 |
| 2:00 AM | 1,270 | 40 | 128 | 2 | 124 | 4 | 108 | 3 | 110 | 5 | 158 | 4 | 320 | 10 | 322 | 12 | 500 | 16 | 770 | 24 |
| 3:00 AM | 970 | 20 | 107 | 2 | 99 | 1 | 80 | 2 | 108 | 2 | 135 | 5 | 215 | 5 | 226 | 3 | 422 | 10 | 548 | 10 |
| 4:00 AM | 1,311 | 23 | 174 | 1 | 177 | 5 | 159 | 5 | 207 | 1 | 203 | 6 | 196 | 1 | 195 | 4 | 746 | 17 | 565 | 6 |
| 5:00 AM | 2,320 | 26 | 359 | 3 | 383 | 3 | 392 | 3 | 406 | 2 | 352 | 5 | 237 | 6 | 191 | 4 | 1,533 | 13 | 787 | 13 |
| 6:00 AM | 4,616 | 25 | 730 | 7 | 909 | 6 | 872 | 2 | 807 | 0 | 778 | 6 | 287 | 0 | 233 | 4 | 4,096 | 21 | 520 | 4 |
| 7:00 AM | 8,221 | 21 | 1,326 | 2 | 1,669 | 2 | 1,608 | 7 | 1,647 | 4 | 1,312 | 3 | 395 | 1 | 264 | 2 | 7,562 | 18 | 659 | 3 |
| 8:00 AM | 7,253 | 19 | 1,148 | 3 | 1,385 | 6 | 1,381 | 3 | 1,340 | 1 | 1,137 | 2 | 520 | 3 | 342 | 1 | 6,391 | 15 | 862 | 4 |
| 9:00 AM | 5,000 | 33 | 747 | 2 | 813 | 9 | 817 | 4 | 781 | 5 | 784 | 3 | 648 | 6 | 410 | 4 | 3,942 | 23 | 1,058 | 10 |
| 10:00 AM | 5,057 | 22 | 712 | 6 | 793 | 4 | 726 | 2 | 758 | 3 | 817 | 1 | 718 | 3 | 533 | 3 | 3,806 | 16 | 1,251 | 6 |
| 11:00 AM | 6,114 | 25 | 914 | 2 | 923 | 2 | 877 | 4 | 916 | 5 | 986 | 2 | 939 | 5 | 559 | 5 | 4,616 | 15 | 1,498 | 10 |
| 12:00 PM | 7,317 | 44 | 1,026 | 6 | 1,021 | 3 | 1,104 | 8 | 1,122 | 11 | 1,311 | 6 | 1,000 | 5 | 733 | 5 | 5,584 | 34 | 1,733 | 10 |
| 1:00 PM | 7,465 | 36 | 1,007 | 3 | 1,058 | 7 | 1,138 | 2 | 1,061 | 8 | 1,449 | 5 | 1,036 | 4 | 716 | 7 | 5,713 | 25 | 1,752 | 11 |
| 2:00 PM | 8,733 | 44 | 1,333 | 10 | 1,323 | 5 | 1,425 | 3 | 1,362 | 6 | 1,625 | 6 | 986 | 8 | 679 | 6 | 7,068 | 30 | 1,665 | 14 |
| 3:00 PM | 10,778 | 35 | 1,606 | 1 | 1,874 | 8 | 1,818 | 6 | 1,814 | 7 | 2,035 | 3 | 951 | 6 | 680 | 4 | 9,147 | 25 | 1,631 | 10 |
| 4:00 PM | 11,056 | 45 | 1,641 | 5 | 1,840 | 7 | 1,964 | 6 | 1,890 | 5 | 2,003 | 5 | 943 | 13 | 775 | 4 | 9,338 | 28 | 1,718 | 17 |
| 5:00 PM | 10,951 | 53 | 1,665 | 5 | 1,948 | 4 | 1,910 | 5 | 1,958 | 9 | 1,797 | 12 | 945 | 8 | 728 | 10 | 9,278 | 35 | 1,673 | 18 |
| 6:00 PM | 8,498 | 55 | 1,119 | 7 | 1,371 | 9 | 1,433 | 7 | 1,359 | 10 | 1,472 | 6 | 963 | 13 | 781 | 3 | 5,282 | 33 | 3,216 | 22 |
| 7:00 PM | 5,254 | 64 | 654 | 10 | 714 | 6 | 741 | 13 | 835 | 6 | 984 | 8 | 748 | 12 | 578 | 9 | 2,944 | 35 | 2,310 | 29 |
| 8:00 PM | 4,328 | 69 | 551 | 11 | 558 | 7 | 621 | 6 | 599 | 15 | 713 | 11 | 709 | 10 | 577 | 9 | 2,329 | 39 | 1,999 | 30 |
| 9:00 PM | 3,406 | 55 | 397 | 5 | 430 | 4 | 486 | 9 | 471 | 7 | 611 | 10 | 571 | 8 | 440 | 12 | 1,784 | 25 | 1,622 | 30 |
| 10:00 PM | 2,613 | 38 | 266 | 1 | 317 | 5 | 337 | 4 | 320 | 3 | 544 | 14 | 512 | 5 | 317 | 6 | 1,240 | 13 | 1,373 | 25 |
| 11:00 PM | 1,876 | 38 | 193 | 4 | 201 | 4 | 215 | 4 | 240 | 6 | 411 | 6 | 418 | 8 | 198 | 6 | 849 | 18 | 1,027 | 20 |
| TOTAL | 127,056 | 916 | 18,110 | 110 | 20,175 | 122 | 20,503 | 115 | 20,376 | 131 | 21,981 | 143 | 14,835 | 157 | 11,076 | 138 | 95,335 | 546 | 31,721 | 370 |

Crashes during Weekends accounted for 24.97% of all crashes and 40.39% of Fatal Crashes.



Section 4: – Safety Devices

**Table 4 – 1
Child Safety Device Usage (less than five years old)**

| Severity of Injury | Safety Device Used | Percent of Safety Device Used | Safety Device Not Used | Percent of Safety Device Not Used | Safety Device Use Unknown | Percent of Unknown |
|--------------------------|--------------------|-------------------------------|------------------------|-----------------------------------|---------------------------|--------------------|
| No Injury | 10,617 | 91.55% | 98 | 69.50% | 193 | 74.23% |
| Unknown Injury | 158 | 1.36% | 2 | 1.42% | 42 | 16.15% |
| Possible Injury | 556 | 4.79% | 18 | 12.77% | 11 | 4.23% |
| Suspected Minor Injury | 233 | 2.01% | 13 | 9.22% | 4 | 1.54% |
| Suspected Serious Injury | 26 | 0.22% | 6 | 4.26% | 6 | 2.31% |
| Fatal Injury | 7 | 0.06% | 4 | 2.84% | 4 | 1.54% |
| TOTALS | 11,597 | 100.00% | 141 | 100.00% | 260 | 100.00% |

**Table 4 – 2
Driver Safety Device Usage**

| Severity of Injury | Safety Device Used | Percent of Safety Device Used | Safety Device Not Used | Percent of Safety Device Not Used | Safety Device Use Unknown | Percent of Unknown |
|--------------------------|--------------------|-------------------------------|------------------------|-----------------------------------|---------------------------|--------------------|
| No Injury | 181,587 | 83.71% | 1,218 | 35.54% | 15,876 | 54.61% |
| Unknown Injury | 1,957 | 0.90% | 59 | 1.72% | 10,376 | 35.69% |
| Possible Injury | 18,700 | 8.62% | 515 | 15.03% | 1,162 | 4.00% |
| Suspected Minor Injury | 12,940 | 5.97% | 922 | 26.90% | 1,149 | 3.95% |
| Suspected Serious Injury | 1,513 | 0.70% | 490 | 14.30% | 393 | 1.35% |
| Fatal Injury | 217 | 0.10% | 223 | 6.51% | 113 | 0.39% |
| TOTALS | 216,914 | 100.00% | 3,427 | 100.00% | 29,069 | 100.00% |

**Table 4 – 3
Passenger Safety Device Usage**

| Severity of Injury | Safety Device Used | Percent of Safety Device Used | Safety Device Not Used | Percent of Safety Device Not Used | Safety Device Use Unknown | Percent of Unknown |
|--------------------------|--------------------|-------------------------------|------------------------|-----------------------------------|---------------------------|--------------------|
| No Injury | 68,574 | 85.26% | 1,321 | 53.42% | 4,592 | 67.98% |
| Unknown Injury | 978 | 1.22% | 28 | 1.13% | 1,103 | 16.33% |
| Possible Injury | 6,546 | 8.14% | 331 | 13.38% | 500 | 7.40% |
| Suspected Minor Injury | 3,825 | 4.76% | 520 | 21.03% | 371 | 5.49% |
| Suspected Serious Injury | 443 | 0.55% | 206 | 8.33% | 131 | 1.94% |
| Fatal Injury | 63 | 0.08% | 67 | 2.71% | 58 | 0.86% |
| TOTALS | 80,429 | 100.00% | 2,473 | 100.00% | 6,755 | 100.00% |

Section 4: – Safety Devices

**Table 4 – 4
Driver Safety Device Usage by Gender**

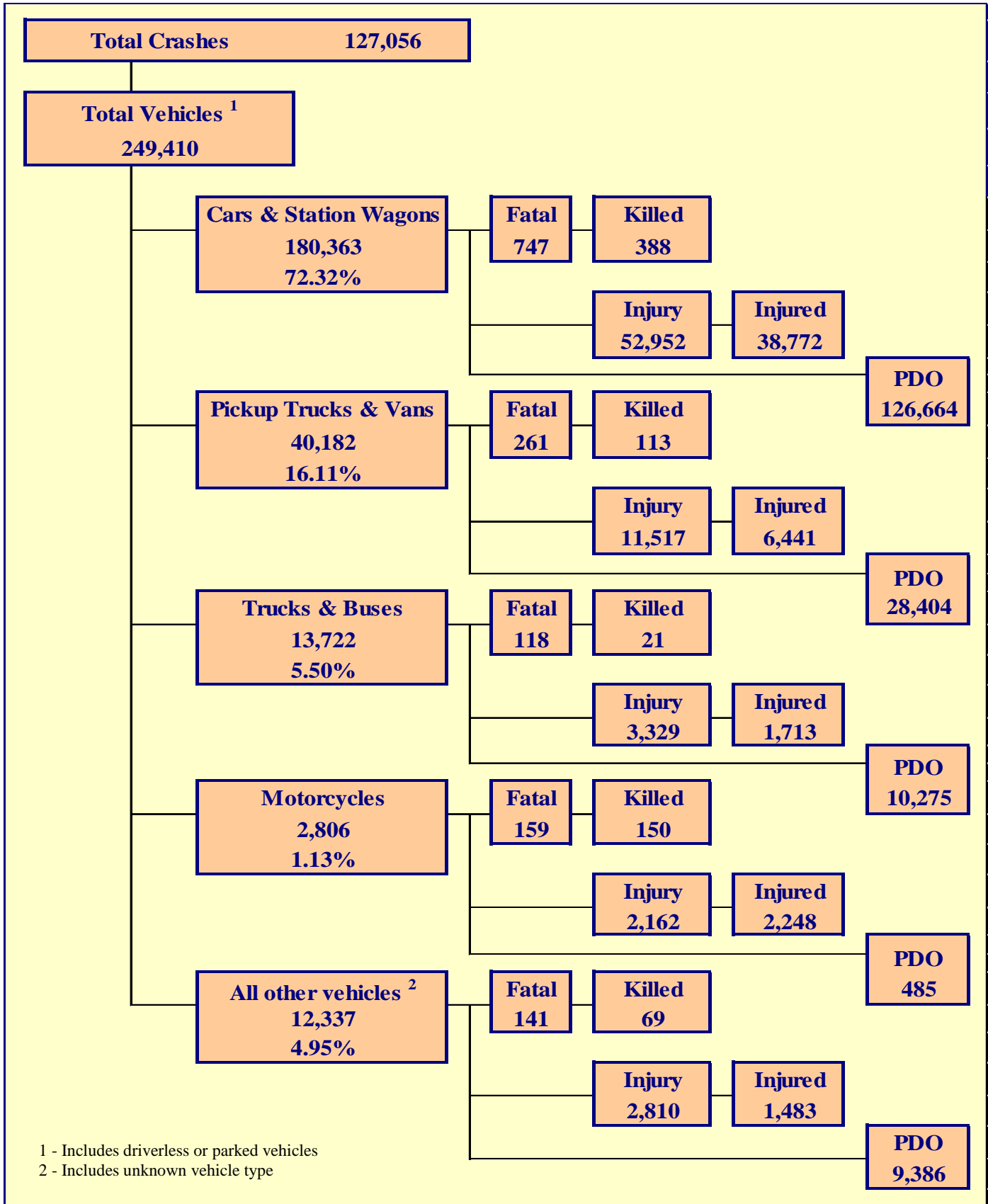
| Gender of Driver | Number of Drivers | | | | | | | Total | Percent of Total |
|------------------|--------------------|-------------------------------|------------------------|-----------------------------------|---------------------------|--------------------|----------------|----------------|------------------|
| | Safety Device Used | Percent of Safety Device Used | Safety Device Not Used | Percent of Safety Device Not Used | Safety Device Use Unknown | Percent of Unknown | | | |
| Male | 121,723 | 56.12% | 2,465 | 71.93% | 9,270 | 31.89% | 133,458 | 53.51% | |
| Female | 95,045 | 43.82% | 929 | 27.11% | 4,704 | 16.18% | 100,678 | 40.37% | |
| Unknown | 146 | 0.07% | 33 | 0.96% | 15,095 | 51.93% | 15,274 | 6.12% | |
| TOTAL | 216,914 | 100.00% | 3,427 | 100.00% | 29,069 | 100.00% | 249,410 | 100.00% | |

**Table 4 – 5
Driver Safety Device Usage by Age**

| Driver Age Group | Number of Drivers | | | | | | | Total | Percent of Total |
|-----------------------|--------------------|-------------------------------|------------------------|-----------------------------------|---------------------------|--------------------|----------------|----------------|------------------|
| | Safety Device Used | Percent of Safety Device Used | Safety Device Not Used | Percent of Safety Device Not Used | Safety Device Use Unknown | Percent of Unknown | | | |
| 15 & Under | 253 | 0.12% | 24 | 0.70% | 42 | 0.14% | 319 | 0.13% | |
| 16 | 2,915 | 1.34% | 28 | 0.82% | 152 | 0.52% | 3,095 | 1.24% | |
| 17 | 4,424 | 2.04% | 66 | 1.93% | 224 | 0.77% | 4,714 | 1.89% | |
| 18 | 5,758 | 2.65% | 118 | 3.44% | 302 | 1.04% | 6,178 | 2.48% | |
| 19 | 6,152 | 2.84% | 118 | 3.44% | 340 | 1.17% | 6,610 | 2.65% | |
| 20 | 6,108 | 2.82% | 110 | 3.21% | 343 | 1.18% | 6,561 | 2.63% | |
| 21 | 6,239 | 2.88% | 110 | 3.21% | 372 | 1.28% | 6,721 | 2.69% | |
| 22 | 6,123 | 2.82% | 116 | 3.38% | 388 | 1.33% | 6,627 | 2.66% | |
| 23 | 6,072 | 2.80% | 140 | 4.09% | 375 | 1.29% | 6,587 | 2.64% | |
| 24 | 5,642 | 2.60% | 104 | 3.03% | 366 | 1.26% | 6,112 | 2.45% | |
| 25-34 | 49,178 | 22.67% | 858 | 25.04% | 3,000 | 10.32% | 53,036 | 21.26% | |
| 35-44 | 37,348 | 17.22% | 528 | 15.41% | 2,103 | 7.23% | 39,979 | 16.03% | |
| 45-54 | 31,874 | 14.69% | 432 | 12.61% | 1,766 | 6.08% | 34,072 | 13.66% | |
| 55-64 | 25,663 | 11.83% | 349 | 10.18% | 1,354 | 4.66% | 27,366 | 10.97% | |
| 65-74 | 14,756 | 6.80% | 179 | 5.22% | 787 | 2.71% | 15,722 | 6.30% | |
| 75 & Older | 7,737 | 3.57% | 87 | 2.54% | 416 | 1.43% | 8,240 | 3.30% | |
| Unknown | 672 | 0.31% | 60 | 1.75% | 16,739 | 57.58% | 17,471 | 7.00% | |
| TOTAL | 216,914 | 100.00% | 3,427 | 100.00% | 29,069 | 100.00% | 249,410 | 100.00% | |

Section 5

Motor Vehicle and Driver Descriptions



Section 5: – Motor Vehicle and Driver Descriptions

Table 5 – 1

Arizona Motor Vehicle Registrations

| | |
|--|------------------|
| Privately Owned Vehicles | 5,240,597 |
| Commercial Vehicles | 557,718 |
| Buses and Taxis | 829 |
| Motorcycles | 210,427 |
| Mopeds | 279 |
| TOTAL | 6,009,850 |
| Source: MVD - MV988 MV630419, Currently Registered Vehicles by County Listing, dated 12/31/2018. | |

Table 5 – 2

Motor Vehicle Crash Involvement by Vehicle Type

| Motor Vehicle Type | Number of Vehicles | | | | |
|--|--------------------|------------------|------------------|-------------------|----------------|
| | Total | Percent of Total | In Fatal Crashes | In Injury Crashes | In PDO Crashes |
| Passenger Cars (Sedans, Convertibles, etc.) | 126,236 | 50.614% | 475 | 37,016 | 88,745 |
| Station Wagons | 54,127 | 21.702% | 272 | 15,936 | 37,919 |
| Pickup Trucks | 36,741 | 14.731% | 250 | 10,460 | 26,031 |
| Vans | 3,441 | 1.380% | 11 | 1,057 | 2,373 |
| Truck Tractor (with or without Semi-Trailer) | 2,247 | 0.901% | 58 | 536 | 1,653 |
| Concrete Mixer Trucks | 58 | 0.023% | 2 | 13 | 43 |
| Dump Trucks | 220 | 0.088% | 1 | 46 | 173 |
| Garbage Trucks | 144 | 0.058% | 3 | 32 | 109 |
| Tanker Trucks | 44 | 0.018% | 0 | 9 | 35 |
| Wrecker or Tow Trucks | 117 | 0.047% | 2 | 28 | 87 |
| Other Truck Combinations | 9,869 | 3.957% | 41 | 2,408 | 7,420 |
| School Bus | 148 | 0.059% | 4 | 38 | 106 |
| Commercial or Non-Commercial Bus | 875 | 0.351% | 7 | 219 | 649 |
| Motorcycle (two or three wheel) | 2,806 | 1.125% | 159 | 2,162 | 485 |
| All Terrain Vehicle or Cycle | 204 | 0.082% | 15 | 121 | 68 |
| Moped | 32 | 0.013% | 2 | 27 | 3 |
| Recreational Vehicle | 188 | 0.075% | 2 | 34 | 152 |
| Motor Home or House Car | 102 | 0.041% | 2 | 24 | 76 |
| Fire Trucks | 49 | 0.020% | 0 | 10 | 39 |
| Ambulances | 38 | 0.015% | 0 | 10 | 28 |
| Other Types Of Vehicles | 148 | 0.059% | 0 | 70 | 78 |
| Vehicle Type Unknown | 11,576 | 4.641% | 120 | 2,514 | 8,942 |
| TOTAL | 249,410 | 100.00% | 1,426 | 72,770 | 175,214 |

Section 5: – Motor Vehicle and Driver Descriptions

Table 5 – 3

Hit and Run Drivers Involved in Crashes

| Hit and Run | Number of Crashes | | | | Number of Persons | |
|--------------|-------------------|------------|---------------|---------------|-------------------|---------------|
| | Total | Fatal | Injury | PDO | Killed | Injured |
| Yes | 14,536 | 70 | 2,646 | 11,820 | 73 | 3,348 |
| No | 112,520 | 846 | 33,861 | 77,813 | 937 | 50,028 |
| TOTAL | 127,056 | 916 | 36,507 | 89,633 | 1,010 | 53,376 |

Table 5 – 4

Gender of Drivers Involved in Crashes

| Gender of Driver | Number of Drivers | | | | | | | |
|------------------|-------------------|------------------|------------------|------------------|-------------------|-------------------|----------------|----------------|
| | Total | Percent of Total | In Fatal Crashes | Percent of Fatal | In Injury Crashes | Percent of Injury | In PDO Crashes | Percent of PDO |
| Male | 133,458 | 53.51% | 948 | 66.48% | 39,113 | 53.75% | 93,397 | 53.30% |
| Female | 100,678 | 40.37% | 340 | 23.84% | 31,342 | 43.07% | 68,996 | 39.38% |
| Unknown | 15,274 | 6.12% | 138 | 9.68% | 2,315 | 3.18% | 12,821 | 7.32% |
| TOTAL | 249,410 | 100.00% | 1,426 | 100.00% | 72,770 | 100.00% | 175,214 | 100.00% |

Table 5 – 5

License Status of Drivers Involved in Crashes

| License Status of Driver | Number of Drivers | | | | | | | |
|--------------------------|-------------------|------------------|------------------|------------------|-------------------|-------------------|----------------|----------------|
| | Total | Percent of Total | In Fatal Crashes | Percent of Fatal | In Injury Crashes | Percent of Injury | In PDO Crashes | Percent of PDO |
| Arizona License | 193,131 | 77.44% | 1,014 | 71.11% | 58,714 | 80.68% | 133,403 | 76.14% |
| All Others* | 56,279 | 22.56% | 412 | 28.89% | 14,056 | 19.32% | 41,811 | 23.86% |
| TOTAL | 249,410 | 100.00% | 1,426 | 100.00% | 72,770 | 100.00% | 175,214 | 100.00% |

*Includes drivers that have a suspended, revoked, out-of-state or country license, as well as drivers with no license or unknown license type

Table 5 – 6

Passengers Killed and Injured by Age and Gender

| Age of Passenger | Passengers Killed | | | | Passengers Injured | | | |
|------------------|-------------------|-----------|-----------|----------------|--------------------|--------------|--------------|----------------|
| | Total | Male | Female | Gender Unknown | Total | Male | Female | Gender Unknown |
| 0-4 | 11 | 6 | 5 | 0 | 693 | 324 | 369 | 0 |
| 5-9 | 9 | 7 | 2 | 0 | 969 | 472 | 497 | 0 |
| 10-14 | 7 | 4 | 3 | 0 | 1,216 | 517 | 699 | 0 |
| 15-19 | 28 | 11 | 17 | 0 | 1,893 | 782 | 1,111 | 0 |
| 20-24 | 22 | 12 | 10 | 0 | 1,359 | 536 | 823 | 0 |
| 25-34 | 30 | 21 | 9 | 0 | 1,664 | 678 | 986 | 0 |
| 35-44 | 18 | 12 | 6 | 0 | 1,224 | 435 | 789 | 0 |
| 45-54 | 13 | 4 | 9 | 0 | 1,129 | 339 | 790 | 0 |
| 55-64 | 20 | 8 | 12 | 0 | 1,008 | 267 | 741 | 0 |
| 65-74 | 17 | 5 | 12 | 0 | 748 | 197 | 551 | 0 |
| 75 & Older | 9 | 3 | 6 | 0 | 516 | 139 | 377 | 0 |
| Unknown | 4 | 1 | 0 | 3 | 454 | 179 | 231 | 44 |
| TOTAL | 188 | 94 | 91 | 3 | 12,873 | 4,865 | 7,964 | 44 |

Section 5: – Motor Vehicle and Driver Descriptions

Table 5 – 7

Drivers and Passengers Killed and Injured by Vehicle Type

| Motor Vehicle Type | Number of Drivers | | Number of Passengers | |
|--|-------------------|---------------|----------------------|---------------|
| | Killed | Injured | Killed | Injured |
| Passenger Cars (Sedans, Convertibles, etc.) | 182 | 20,623 | 74 | 6,781 |
| Station Wagons | 87 | 8,222 | 45 | 3,146 |
| Pickup Trucks | 82 | 4,256 | 24 | 1,489 |
| Vans | 4 | 457 | 3 | 239 |
| Truck Tractor (with or without Semi-Trailer) | 10 | 157 | 1 | 38 |
| Concrete Mixer Trucks | 0 | 5 | 0 | 0 |
| Dump Trucks | 0 | 12 | 0 | 2 |
| Garbage Trucks | 1 | 9 | 0 | 3 |
| Tanker Trucks | 0 | 3 | 0 | 0 |
| Wrecker or Tow Trucks | 0 | 1 | 0 | 0 |
| Other Truck Combinations | 5 | 857 | 4 | 407 |
| School Bus | 0 | 11 | 0 | 20 |
| Commercial or Non-Commercial Bus | 0 | 33 | 0 | 155 |
| Motorcycle (two or three wheel) | 143 | 2,106 | 7 | 142 |
| All Terrain Vehicle or Cycle | 13 | 100 | 5 | 44 |
| Moped | 2 | 26 | 0 | 1 |
| Recreational Vehicle | 0 | 15 | 2 | 12 |
| Motor Home or House Car | 0 | 8 | 0 | 3 |
| Fire Trucks | 0 | 0 | 0 | 1 |
| Ambulances | 0 | 2 | 0 | 5 |
| Other Types Of Vehicles | 0 | 47 | 0 | 13 |
| Vehicle Type Unknown | 24 | 834 | 23 | 372 |
| TOTAL | 553 | 37,784 | 188 | 12,873 |

Table 5 – 8

Drivers Killed and Injured by Age and Gender

| Age of Driver | Drivers Killed | | | | Drivers Injured | | | |
|---------------|----------------|------------|------------|----------------|-----------------|---------------|---------------|----------------|
| | Total | Male | Female | Gender Unknown | Total | Male | Female | Gender Unknown |
| 0-4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5-9 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 |
| 10-14 | 0 | 0 | 0 | 0 | 22 | 18 | 4 | 0 |
| 15-19 | 26 | 15 | 11 | 0 | 3,029 | 1,506 | 1,523 | 0 |
| 20-24 | 61 | 48 | 13 | 0 | 5,155 | 2,551 | 2,604 | 0 |
| 25-34 | 109 | 83 | 26 | 0 | 8,298 | 4,053 | 4,245 | 0 |
| 35-44 | 72 | 58 | 14 | 0 | 6,379 | 3,055 | 3,324 | 0 |
| 45-54 | 68 | 57 | 11 | 0 | 5,772 | 2,898 | 2,874 | 0 |
| 55-64 | 95 | 70 | 25 | 0 | 4,700 | 2,410 | 2,290 | 0 |
| 65-74 | 80 | 71 | 9 | 0 | 2,831 | 1,497 | 1,334 | 0 |
| 75 & Older | 41 | 33 | 8 | 0 | 1,470 | 756 | 714 | 0 |
| Unknown | 1 | 0 | 0 | 1 | 127 | 62 | 25 | 40 |
| TOTAL | 553 | 435 | 117 | 1 | 37,784 | 18,807 | 18,937 | 40 |

Section 5: – Motor Vehicle and Driver Descriptions

Table 5 – 9
Licensed Drivers in Arizona by Age

| Driver Age Group | Male Number | Percent of Male | Female Number | Percent of Female | Total Number | Percent of Total | Cumulative Percent |
|------------------|------------------|-----------------|------------------|-------------------|------------------|------------------|--------------------|
| 16 | 11,580 | 0.44% | 12,173 | 0.46% | 23,753 | 0.45% | 0.45% |
| 17 | 20,848 | 0.79% | 20,320 | 0.77% | 41,168 | 0.78% | 1.22% |
| 18 | 29,359 | 1.11% | 27,661 | 1.04% | 57,020 | 1.07% | 2.30% |
| 19 | 34,027 | 1.28% | 31,787 | 1.20% | 65,814 | 1.24% | 3.54% |
| 20 | 36,663 | 1.38% | 34,373 | 1.30% | 71,036 | 1.34% | 4.88% |
| 21 | 39,550 | 1.49% | 36,514 | 1.38% | 76,064 | 1.43% | 6.31% |
| 22 | 40,692 | 1.53% | 38,651 | 1.46% | 79,343 | 1.49% | 7.80% |
| 23 | 41,723 | 1.57% | 40,148 | 1.51% | 81,871 | 1.54% | 9.35% |
| 24 | 43,175 | 1.63% | 41,725 | 1.57% | 84,900 | 1.60% | 10.94% |
| 25-34 | 469,599 | 17.68% | 463,675 | 17.48% | 933,274 | 17.58% | 28.53% |
| 35-44 | 470,395 | 17.71% | 462,177 | 17.42% | 932,572 | 17.57% | 46.09% |
| 45-54 | 470,381 | 17.71% | 451,141 | 17.01% | 921,522 | 17.36% | 63.45% |
| 55-64 | 454,327 | 17.11% | 466,621 | 17.59% | 920,948 | 17.35% | 80.80% |
| 65-74 | 305,644 | 11.51% | 328,618 | 12.39% | 634,262 | 11.95% | 92.75% |
| 75 & older | 187,827 | 7.07% | 196,933 | 7.42% | 384,760 | 7.25% | 100.00% |
| TOTALS | 2,655,790 | 100.00% | 2,652,517 | 100.00% | 5,308,307 | 100.00% | 100.00% |

Source: MVD - MV708 MV650653-1, Point-in-Time Driver Credential Report/All Driver Licenses by Age, Gender, & Class (page 19), dated 1/2/2019.

Table 5 – 10
Driver Involvement by Age

| Driver Age Group | Number of Drivers | | | | | | | |
|------------------|-------------------|------------------|------------------|------------------|-------------------|-------------------|----------------|----------------|
| | Total | Percent of Total | In Fatal Crashes | Percent of Fatal | In Injury Crashes | Percent of Injury | In PDO Crashes | Percent of PDO |
| 15 & Under | 319 | 0.13% | 1 | 0.07% | 107 | 0.15% | 211 | 0.12% |
| 16 | 3,095 | 1.24% | 8 | 0.56% | 822 | 1.13% | 2,265 | 1.29% |
| 17 | 4,714 | 1.89% | 12 | 0.84% | 1,253 | 1.72% | 3,449 | 1.97% |
| 18 | 6,178 | 2.48% | 30 | 2.10% | 1,845 | 2.54% | 4,303 | 2.46% |
| 19 | 6,610 | 2.65% | 25 | 1.75% | 1,973 | 2.71% | 4,612 | 2.63% |
| 20 | 6,561 | 2.63% | 29 | 2.03% | 1,937 | 2.66% | 4,595 | 2.62% |
| 21 | 6,721 | 2.69% | 36 | 2.52% | 1,949 | 2.68% | 4,736 | 2.70% |
| 22 | 6,627 | 2.66% | 32 | 2.24% | 1,934 | 2.66% | 4,661 | 2.66% |
| 23 | 6,587 | 2.64% | 32 | 2.24% | 2,006 | 2.76% | 4,549 | 2.60% |
| 24 | 6,112 | 2.45% | 34 | 2.38% | 1,832 | 2.52% | 4,246 | 2.42% |
| 25-34 | 53,035 | 21.26% | 248 | 17.39% | 15,777 | 21.68% | 37,010 | 21.12% |
| 35-44 | 39,979 | 16.03% | 194 | 13.60% | 12,087 | 16.61% | 27,698 | 15.81% |
| 45-54 | 34,072 | 13.66% | 193 | 13.53% | 10,390 | 14.28% | 23,489 | 13.41% |
| 55-64 | 27,366 | 10.97% | 203 | 14.24% | 8,505 | 11.69% | 18,658 | 10.65% |
| 65-74 | 15,722 | 6.30% | 131 | 9.19% | 4,936 | 6.78% | 10,655 | 6.08% |
| 75 & Older | 8,240 | 3.30% | 69 | 4.84% | 2,606 | 3.58% | 5,565 | 3.18% |
| Unknown | 17,472 | 7.01% | 149 | 10.45% | 2,811 | 3.86% | 14,512 | 8.28% |
| TOTAL | 249,410 | 100.00% | 1,426 | 100.00% | 72,770 | 100.00% | 175,214 | 100.00% |

Section 5: – Motor Vehicle and Driver Descriptions

Table 5 – 11
Driver Violations

| Type of Violation or Behavior | Number of Drivers | | | | | | | |
|-------------------------------|-------------------|------------------|------------------|------------------|-------------------|-------------------|----------------|----------------|
| | Total | Percent of Total | In Fatal Crashes | Percent of Fatal | In Injury Crashes | Percent of Injury | In PDO Crashes | Percent of PDO |
| No Improper Action | 124,138 | 49.77% | 515 | 36.12% | 36,899 | 50.71% | 86,724 | 49.50% |
| Speed too Fast for Conditions | 41,650 | 16.70% | 138 | 9.68% | 12,538 | 17.23% | 28,974 | 16.54% |
| Exceeded Lawful Speed | 1,002 | 0.40% | 34 | 2.38% | 443 | 0.61% | 525 | 0.30% |
| Failed to Yield Right-Of-Way | 21,755 | 8.72% | 84 | 5.89% | 7,784 | 10.70% | 13,887 | 7.93% |
| Followed Too Closely | 8,801 | 3.53% | 4 | 0.28% | 2,278 | 3.13% | 6,519 | 3.72% |
| Ran Stop Sign | 1,070 | 0.43% | 14 | 0.98% | 443 | 0.61% | 613 | 0.35% |
| Disregarded Traffic Signal | 5,344 | 2.14% | 41 | 2.88% | 2,323 | 3.19% | 2,980 | 1.70% |
| Made Improper Turn | 4,804 | 1.93% | 7 | 0.49% | 1,144 | 1.57% | 3,653 | 2.08% |
| Drove in Opposing Lane | 759 | 0.30% | 40 | 2.81% | 271 | 0.37% | 448 | 0.26% |
| Drove Left of Center Line | 462 | 0.19% | 24 | 1.68% | 204 | 0.28% | 234 | 0.13% |
| Passed in No-Passing Zone | 94 | 0.04% | 3 | 0.21% | 19 | 0.03% | 72 | 0.04% |
| Unsafe Lane Change | 8,753 | 3.51% | 11 | 0.77% | 1,253 | 1.72% | 7,489 | 4.27% |
| Failed to Keep in Proper Lane | 5,391 | 2.16% | 80 | 5.61% | 1,307 | 1.80% | 4,004 | 2.29% |
| Crossed Median | 65 | 0.03% | 11 | 0.77% | 31 | 0.04% | 23 | 0.01% |
| Aggressive Driving | 157 | 0.06% | 2 | 0.14% | 42 | 0.06% | 113 | 0.06% |
| Wrong Way Driving | 23 | 0.01% | 1 | 0.07% | 12 | 0.02% | 10 | 0.01% |
| Other | 7,559 | 3.03% | 61 | 4.28% | 1,862 | 2.56% | 5,636 | 3.22% |
| Unknown | 17,583 | 7.05% | 356 | 24.96% | 3,917 | 5.38% | 13,310 | 7.60% |
| TOTAL | 249,410 | 100.00% | 1,426 | 100.00% | 72,770 | 100.00% | 175,214 | 100.00% |

Table 5 – 12
Driver Physical Condition

| Type of Condition | Number of Drivers | | | | | | | |
|--------------------------------|-------------------|------------------|------------------|------------------|-------------------|-------------------|----------------|----------------|
| | Total | Percent of Total | In Fatal Crashes | Percent of Fatal | In Injury Crashes | Percent of Injury | In PDO Crashes | Percent of PDO |
| No Apparent Influence | 219,566 | 88.03% | 683 | 47.90% | 64,470 | 88.59% | 154,413 | 88.13% |
| Alcohol | 4,484 | 1.80% | 178 | 12.48% | 1,835 | 2.52% | 2,471 | 1.41% |
| Illegal Drugs | 704 | 0.28% | 98 | 6.87% | 302 | 0.42% | 304 | 0.17% |
| Medications | 213 | 0.09% | 13 | 0.91% | 97 | 0.13% | 103 | 0.06% |
| Marijuana | 56 | 0.02% | 8 | 0.56% | 20 | 0.03% | 28 | 0.02% |
| Illness or Physical Impairment | 920 | 0.37% | 5 | 0.35% | 476 | 0.65% | 439 | 0.25% |
| Fell Asleep or Fatigued | 1,743 | 0.70% | 11 | 0.77% | 688 | 0.95% | 1,044 | 0.60% |
| Other | 1,589 | 0.64% | 14 | 0.98% | 392 | 0.54% | 1,183 | 0.68% |
| Unknown | 20,135 | 8.07% | 416 | 29.17% | 4,490 | 6.17% | 15,229 | 8.69% |
| TOTAL | 249,410 | 100.00% | 1,426 | 100.00% | 72,770 | 100.00% | 175,214 | 100.00% |

Section 5: – Motor Vehicle and Driver Descriptions

Table 5 – 13

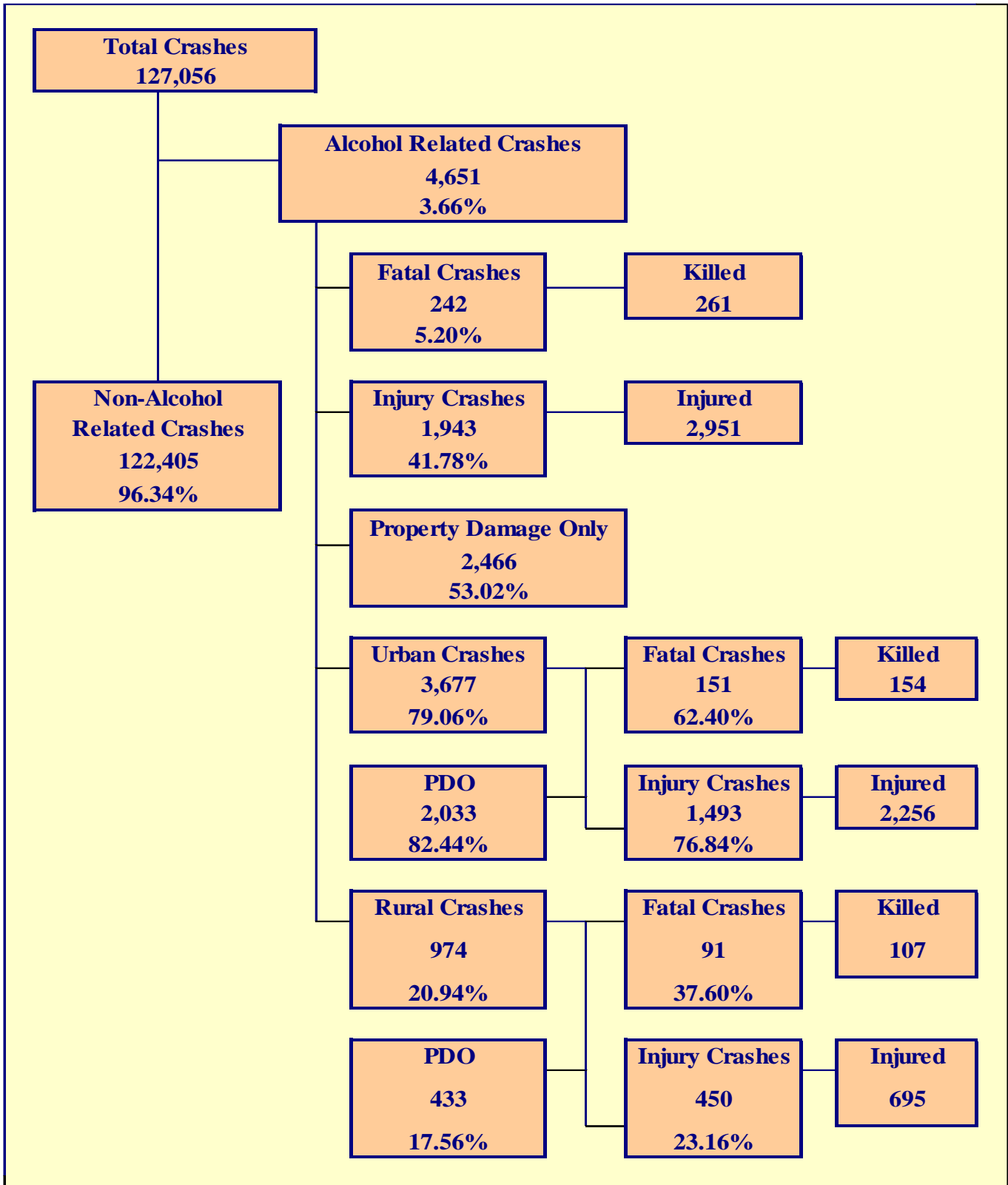
Distracted Driving Behavior

| Type of Distraction | Number of Drivers | | | | | | | |
|---|-------------------|------------------|------------------|------------------|-------------------|-------------------|----------------|----------------|
| | Total | Percent of Total | In Fatal Crashes | Percent of Fatal | In Injury Crashes | Percent of Injury | In PDO Crashes | Percent of PDO |
| Not Distracted | 191,896 | 76.94% | 601 | 42.15% | 55,912 | 76.83% | 135,383 | 77.27% |
| Talking on Hands Free Device | 204 | 0.08% | 0 | 0.00% | 58 | 0.08% | 146 | 0.08% |
| Talking on Hand Held Device | 431 | 0.17% | 2 | 0.14% | 131 | 0.18% | 298 | 0.17% |
| Passenger | 955 | 0.38% | 4 | 0.28% | 323 | 0.44% | 628 | 0.36% |
| Other Activity with an Electronic Device | 1,425 | 0.57% | 8 | 0.56% | 459 | 0.63% | 958 | 0.55% |
| Manually Operating an Electronic Device | 814 | 0.33% | 3 | 0.21% | 263 | 0.36% | 548 | 0.31% |
| Other Inside the Vehicle (eating, drinking, etc.) | 3,190 | 1.28% | 9 | 0.63% | 1,056 | 1.45% | 2,125 | 1.21% |
| Outside the Vehicle (includes unspecified distractions) | 2,740 | 1.10% | 11 | 0.77% | 846 | 1.16% | 1,883 | 1.07% |
| Distracted Unknown Reason | 2,139 | 0.86% | 5 | 0.35% | 698 | 0.96% | 1,436 | 0.82% |
| Unknown | 45,616 | 18.29% | 783 | 54.91% | 13,024 | 17.90% | 31,809 | 18.15% |
| TOTAL | 249,410 | 100.00% | 1,426 | 100.00% | 72,770 | 100.00% | 175,214 | 100.00% |

Table 5 – 14

Secondary Crashes

| Secondary Crash | Number of Crashes | | | | Number of Persons | |
|-----------------|-------------------|------------|---------------|---------------|-------------------|---------------|
| | Total | Fatal | Injury | PDO | Killed | Injured |
| Yes | 2,812 | 19 | 877 | 1,916 | 20 | 1,446 |
| No | 110,834 | 835 | 31,793 | 78,206 | 926 | 46,193 |
| Unknown | 13,410 | 62 | 3,837 | 9,511 | 64 | 5,737 |
| TOTAL | 127,056 | 916 | 36,507 | 89,633 | 1,010 | 53,376 |



Section 6: – Alcohol Related Crashes

The statistics in the Alcohol Related section represent those crashes where the investigating officer indicated that a driver, pedestrian, or pedalcyclist 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 0.08% or higher) at the time of the crash.

**Table 6 – 1
Economic Loss Due to Alcohol Related Crashes in Arizona for 2018**

| | |
|----------------------------|------------------------|
| Fatalities | \$2,490,630,084 |
| Suspected Serious Injuries | \$274,210,780 |
| Suspected Minor Injuries | \$238,860,020 |
| Possible Injuries | \$114,484,293 |
| Property Damage Only | \$26,728,974 |
| TOTAL | \$3,144,914,151 |

Refer to note on Page 4 for Economic Loss Estimates

**Table 6 – 2
Alcohol Related Crash History**

| Year | Alcohol Related Crashes | Percent of all Crashes | Persons Killed | Percent of all Fatalities | Persons Injured | Percent of all Injuries |
|-------------|-------------------------|------------------------|----------------|---------------------------|-----------------|-------------------------|
| 2014 | 4,932 | 4.49% | 275 | 35.53% | 3,206 | 6.27% |
| 2015 | 5,016 | 4.29% | 329 | 36.68% | 3,285 | 6.10% |
| 2016 | 4,960 | 3.90% | 302 | 31.72% | 3,345 | 5.88% |
| 2017 | 4,916 | 3.85% | 324 | 32.46% | 3,176 | 5.68% |
| 2018 | 4,651 | 3.66% | 261 | 25.84% | 2,951 | 5.53% |

**Table 6 – 3
Manner of Collision in Alcohol Related Crashes**

| Manner of Collision Type | Number of Crashes | | | | | | | |
|-----------------------------|-------------------|------------------------|------------|--------------------------|--------------|---------------------------|--------------|------------------------|
| | Total | Percent of All Crashes | Fatal | Percent of Fatal Crashes | Injury | Percent of Injury Crashes | PDO | Percent of PDO Crashes |
| Angle | 410 | 14.68% | 14 | 8.43% | 215 | 17.99% | 181 | 12.64% |
| Left Turn | 288 | 10.31% | 11 | 6.63% | 155 | 12.97% | 122 | 8.52% |
| Rear End | 1,144 | 40.96% | 17 | 10.24% | 450 | 37.66% | 677 | 47.28% |
| Head-On | 186 | 6.66% | 21 | 12.65% | 91 | 7.62% | 74 | 5.17% |
| Sideswipe (same) | 327 | 11.71% | 5 | 3.01% | 95 | 7.95% | 227 | 15.85% |
| Sideswipe (opposite) | 95 | 3.40% | 4 | 2.41% | 25 | 2.09% | 66 | 4.61% |
| U-Turn | 5 | 0.18% | 0 | 0.00% | 4 | 0.33% | 1 | 0.07% |
| Other* | 325 | 11.64% | 91 | 54.82% | 153 | 12.80% | 81 | 5.66% |
| Unknown | 13 | 0.47% | 3 | 1.81% | 7 | 0.59% | 3 | 0.21% |
| TOTAL | 2,793 | 100.00% | 166 | 100.00% | 1,195 | 100.00% | 1,432 | 100.00% |

Note: Includes only multi-vehicle alcohol related crashes

*Other includes pedestrian and pedalcyclist crashes

Section 6: – Alcohol Related Crashes

Table 6 – 4
Alcohol Related Crashes by First Harmful Event

| First Harmful Event Type | Number of Crashes | | | | Number of Persons | |
|---|-------------------|------------|--------------|--------------|-------------------|--------------|
| | Total | Fatal | Injury | PDO | Killed | Injured |
| Collision with Motor Vehicle in Transport | 2,112 | 77 | 925 | 1,110 | 89 | 1,687 |
| Overturning | 229 | 27 | 164 | 38 | 31 | 216 |
| Collision with Pedestrian | 194 | 74 | 119 | 1 | 74 | 133 |
| Collision with Pedalcyclist | 28 | 5 | 22 | 1 | 5 | 25 |
| Collision with Animal | 8 | 0 | 3 | 5 | 0 | 5 |
| Collision with Fixed Object | 1,623 | 56 | 590 | 977 | 59 | 737 |
| Collision with Non-fixed Object* | 360 | 0 | 87 | 273 | 0 | 107 |
| Vehicle Fire or Explosion | 0 | 0 | 0 | 0 | 0 | 0 |
| Other Non-collision** | 2 | 1 | 1 | 0 | 1 | 1 |
| Unknown | 95 | 2 | 32 | 61 | 2 | 40 |
| TOTAL | 4,651 | 242 | 1,943 | 2,466 | 261 | 2,951 |
| *Includes Collision with Parked Vehicles, Trains, Railway Vehicles, and Work Zone Equipment | | | | | | |
| **Includes Vehicle Immersion, Jackknife, and Cargo Loss or Shift | | | | | | |

Table 6 – 5
Alcohol Related Crashes by Vehicle Type

| Motor Vehicle Type | Number of Vehicles | | | | |
|--|--------------------|------------------|------------------|-------------------|----------------|
| | Total | Percent of Total | In Fatal Crashes | In Injury Crashes | In PDO Crashes |
| Passenger Cars (Sedans, Convertibles, etc.) | 2,486 | 55.442% | 62 | 975 | 1,449 |
| Station Wagons | 836 | 18.644% | 30 | 357 | 449 |
| Pickup Trucks | 739 | 16.481% | 38 | 301 | 400 |
| Vans | 37 | 0.825% | 0 | 14 | 23 |
| Truck Tractor (with or without Semi-Trailer) | 7 | 0.156% | 0 | 1 | 6 |
| Concrete Mixer Trucks | 0 | 0.000% | 0 | 0 | 0 |
| Dump Trucks | 0 | 0.000% | 0 | 0 | 0 |
| Garbage Trucks | 0 | 0.000% | 0 | 0 | 0 |
| Tanker Trucks | 1 | 0.022% | 0 | 1 | 0 |
| Wrecker or Tow Trucks | 2 | 0.045% | 1 | 0 | 1 |
| Other Truck Combinations | 99 | 2.208% | 0 | 36 | 63 |
| School Bus | 0 | 0.000% | 0 | 0 | 0 |
| Commercial or Non-Commercial Bus | 1 | 0.022% | 0 | 1 | 0 |
| Motorcycle (two or three wheel) | 152 | 3.390% | 40 | 97 | 15 |
| All Terrain Vehicle or Cycle | 18 | 0.401% | 2 | 13 | 3 |
| Moped | 1 | 0.022% | 0 | 1 | 0 |
| Recreational Vehicle | 0 | 0.000% | 0 | 0 | 0 |
| Motor Home or House Car | 0 | 0.000% | 0 | 0 | 0 |
| Fire Trucks | 0 | 0.000% | 0 | 0 | 0 |
| Ambulances | 0 | 0.000% | 0 | 0 | 0 |
| Other Types Of Vehicles | 5 | 0.112% | 0 | 4 | 1 |
| Vehicle Type Unknown | 100 | 2.230% | 5 | 34 | 61 |
| TOTAL | 4,484 | 100.00% | 178 | 1,835 | 2,471 |

Section 6: – Alcohol Related Crashes

Table 6 – 6
Lighting Conditions in Alcohol Related Crashes

| Type of Lighting Conditions | Number of Crashes | | | | Number of Persons | |
|-----------------------------|-------------------|------------|--------------|--------------|-------------------|--------------|
| | Total | Fatal | Injury | PDO | Killed | Injured |
| Daylight | 1,344 | 62 | 595 | 687 | 68 | 952 |
| Dawn | 72 | 1 | 35 | 36 | 1 | 50 |
| Dusk | 124 | 8 | 52 | 64 | 9 | 79 |
| Dark - Lighted | 2,345 | 99 | 908 | 1,338 | 105 | 1,333 |
| Dark - Not Lighted | 698 | 46 | 336 | 316 | 52 | 500 |
| Dark - Unknown Lighting | 31 | 11 | 5 | 15 | 11 | 12 |
| Unknown | 37 | 15 | 12 | 10 | 15 | 25 |
| TOTAL | 4,651 | 242 | 1,943 | 2,466 | 261 | 2,951 |

Table 6 – 7
Road Surface Conditions in Alcohol Related Crashes

| Type of Road Surface Condition | Number of Drivers | | | | Number of Persons | |
|--------------------------------|-------------------|------------------|-------------------|----------------|-------------------|--------------|
| | Total | In Fatal Crashes | In Injury Crashes | In PDO Crashes | Killed | Injured |
| Dry | 4,203 | 141 | 1,733 | 2,329 | 195 | 2,744 |
| Wet | 177 | 8 | 76 | 93 | 12 | 136 |
| Snow/Slush | 12 | 0 | 2 | 10 | 0 | 2 |
| Ice/Frost | 5 | 0 | 1 | 4 | 0 | 1 |
| Water (standing or moving) | 4 | 0 | 3 | 1 | 0 | 5 |
| Mud, Dirt, Gravel, Sand | 34 | 2 | 16 | 16 | 2 | 29 |
| Other | 3 | 0 | 1 | 2 | 0 | 1 |
| Unknown | 46 | 27 | 3 | 16 | 52 | 33 |
| TOTAL | 4,484 | 178 | 1,835 | 2,471 | 261 | 2,951 |

Table 6 – 8
Gender of Drivers Involved in Alcohol Related Crashes

| Gender of Driver | Number of Drivers | | | | | | | |
|------------------|-------------------|------------------|------------------|------------------|-------------------|-------------------|----------------|----------------|
| | Total | Percent of Total | In Fatal Crashes | Percent of Fatal | In Injury Crashes | Percent of Injury | In PDO Crashes | Percent of PDO |
| Male | 3,238 | 72.21% | 145 | 81.46% | 1,330 | 72.48% | 1,763 | 71.35% |
| Female | 1,220 | 27.21% | 33 | 18.54% | 504 | 27.47% | 683 | 27.64% |
| Unknown | 26 | 0.58% | 0 | 0.00% | 1 | 0.05% | 25 | 1.01% |
| TOTAL | 4,484 | 100.00% | 178 | 100.00% | 1,835 | 100.00% | 2,471 | 100.00% |

*In total crashes across the state, 53.51% of the drivers were males.
When alcohol was involved, males accounted for 72.21% of the drivers.*

Section 6: – Alcohol Related Crashes

**Table 6 – 9
Driver Involvement by Age in Alcohol Related Crashes**

| Driver Age Group | Number of Drivers | | | | | | | |
|------------------|-------------------|------------------|------------------|------------------|-------------------|-------------------|----------------|----------------|
| | Total | Percent of Total | In Fatal Crashes | Percent of Fatal | In Injury Crashes | Percent of Injury | In PDO Crashes | Percent of PDO |
| 15 & Under | 1 | 0.02% | 0 | 0.00% | 0 | 0.00% | 1 | 0.04% |
| 16 | 11 | 0.25% | 1 | 0.56% | 5 | 0.27% | 5 | 0.20% |
| 17 | 25 | 0.56% | 1 | 0.56% | 14 | 0.76% | 10 | 0.40% |
| 18 | 47 | 1.05% | 1 | 0.56% | 23 | 1.25% | 23 | 0.93% |
| 19 | 77 | 1.72% | 2 | 1.12% | 35 | 1.91% | 40 | 1.62% |
| 20 | 96 | 2.14% | 2 | 1.12% | 48 | 2.62% | 46 | 1.86% |
| 21 | 181 | 4.04% | 5 | 2.81% | 73 | 3.98% | 103 | 4.17% |
| 22 | 188 | 4.19% | 6 | 3.37% | 78 | 4.25% | 104 | 4.21% |
| 23 | 201 | 4.48% | 10 | 5.62% | 88 | 4.80% | 103 | 4.17% |
| 24 | 186 | 4.15% | 4 | 2.25% | 73 | 3.98% | 109 | 4.41% |
| 25-34 | 1,425 | 31.78% | 55 | 30.90% | 545 | 29.70% | 825 | 33.39% |
| 35-44 | 829 | 18.49% | 28 | 15.73% | 349 | 19.02% | 452 | 18.29% |
| 45-54 | 569 | 12.69% | 23 | 12.92% | 250 | 13.62% | 296 | 11.98% |
| 55-64 | 411 | 9.17% | 21 | 11.80% | 173 | 9.43% | 217 | 8.78% |
| 65-74 | 164 | 3.66% | 15 | 8.43% | 66 | 3.60% | 83 | 3.36% |
| 75 & Older | 34 | 0.76% | 2 | 1.12% | 11 | 0.60% | 21 | 0.85% |
| Unknown | 39 | 0.87% | 2 | 1.12% | 4 | 0.22% | 33 | 1.34% |
| TOTAL | 4,484 | 100.00% | 178 | 100.00% | 1,835 | 100.00% | 2,471 | 100.00% |

**Table 6 – 10
When Alcohol Related Crashes Occurred in 2018**

| Time of Day | Total | Weekday | Weekend* |
|--|--------------|--------------|--------------|
| Daytime** | 1,305 | 791 | 514 |
| Nighttime | 3,346 | 1,321 | 2,025 |
| Total | 4,651 | 2,112 | 2,539 |
| *Weekend begins at 6:00 p.m. on Friday and continues until 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. | | | |

**Table 6 – 11
Safety Device Usage for Drinking Drivers**

| Severity of Injury | Safety Device Not Used | Lap Belt | Lap & Shoulder Belt | Protective Helmet | Other | Unknown | Totals |
|--------------------------|------------------------|-----------|---------------------|-------------------|----------|--------------|--------------|
| No Injury | 138 | 38 | 1,888 | 6 | 2 | 771 | 2,843 |
| Unknown Injury | 2 | 1 | 36 | 0 | 0 | 118 | 157 |
| Possible Injury | 55 | 4 | 254 | 4 | 0 | 122 | 439 |
| Suspected Minor Injury | 112 | 3 | 354 | 13 | 1 | 184 | 667 |
| Suspected Serious Injury | 104 | 1 | 57 | 12 | 0 | 71 | 245 |
| Fatal Injury | 73 | 0 | 24 | 14 | 0 | 22 | 133 |
| TOTALS | 484 | 47 | 2,613 | 49 | 3 | 1,288 | 4,484 |

Section 6: – Alcohol Related Crashes

Table 6 – 12
Persons Killed and Injured in Alcohol Related Crashes

| Age of Victim | Persons Killed | | | Persons Injured | | | |
|---------------|----------------|------------|-----------|-----------------|--------------|--------------|----------------|
| | Total | Male | Female | Total | Male | Female | Gender Unknown |
| 0-4 | 0 | 0 | 0 | 41 | 19 | 22 | 0 |
| 5-9 | 1 | 1 | 0 | 47 | 27 | 20 | 0 |
| 10-14 | 2 | 2 | 0 | 44 | 21 | 23 | 0 |
| 15-19 | 8 | 3 | 5 | 187 | 100 | 87 | 0 |
| 20-24 | 25 | 17 | 8 | 499 | 310 | 189 | 0 |
| 25-34 | 77 | 61 | 16 | 715 | 471 | 244 | 0 |
| 35-44 | 44 | 35 | 9 | 495 | 310 | 185 | 0 |
| 45-54 | 38 | 34 | 4 | 400 | 265 | 135 | 0 |
| 55-64 | 35 | 25 | 10 | 292 | 186 | 106 | 0 |
| 65-74 | 25 | 20 | 5 | 137 | 78 | 59 | 0 |
| 75 & Older | 4 | 4 | 0 | 44 | 21 | 23 | 0 |
| Unknown | 2 | 2 | 0 | 50 | 21 | 21 | 8 |
| TOTAL | 261 | 204 | 57 | 2,951 | 1,829 | 1,114 | 8 |

Table 6 – 13
Alcohol Related Crashes by County

| County | Number of Crashes | | | | Number of Persons | |
|--------------|-------------------|------------|--------------|--------------|-------------------|--------------|
| | Total | Fatal | Injury | PDO | Killed | Injured |
| Apache | 17 | 2 | 7 | 8 | 2 | 9 |
| Cochise | 55 | 4 | 27 | 24 | 5 | 44 |
| Coconino | 172 | 6 | 96 | 70 | 8 | 159 |
| Gila | 45 | 1 | 24 | 20 | 1 | 38 |
| Graham | 16 | 0 | 7 | 9 | 0 | 9 |
| Greenlee | 2 | 0 | 2 | 0 | 0 | 2 |
| La Paz | 16 | 4 | 9 | 3 | 6 | 15 |
| Maricopa | 2,958 | 147 | 1,167 | 1,644 | 153 | 1,761 |
| Mohave | 176 | 8 | 72 | 96 | 8 | 94 |
| Navajo | 89 | 9 | 38 | 42 | 12 | 58 |
| Pima | 611 | 34 | 274 | 303 | 37 | 427 |
| Pinal | 204 | 13 | 95 | 96 | 14 | 154 |
| Santa Cruz | 14 | 2 | 4 | 8 | 2 | 4 |
| Yavapai | 161 | 6 | 75 | 80 | 7 | 108 |
| Yuma | 115 | 6 | 46 | 63 | 6 | 69 |
| TOTAL | 4,651 | 242 | 1,943 | 2,466 | 261 | 2,951 |

Section 6: – Alcohol Related Crashes

Chart 6 – 1

All Alcohol Related Crashes vs. Fatal Alcohol Related Crashes by Day of Week

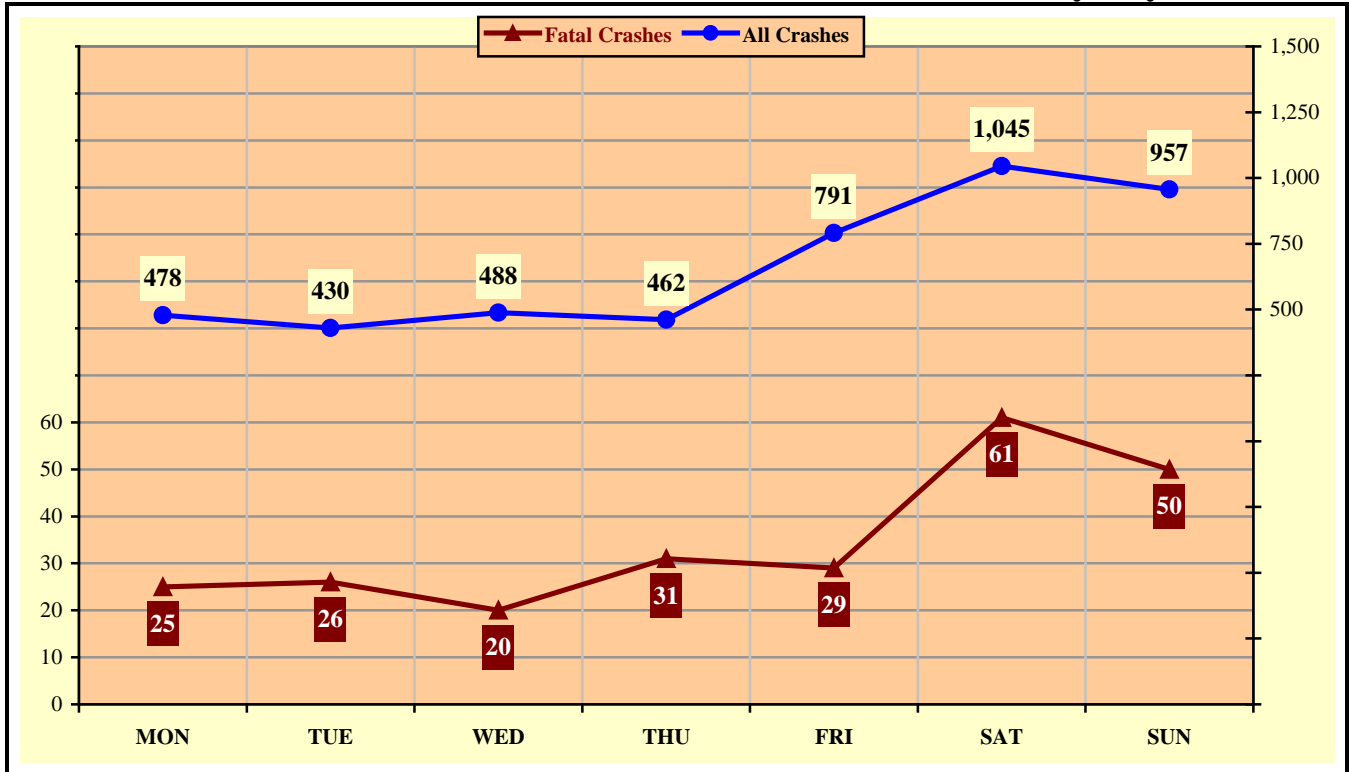
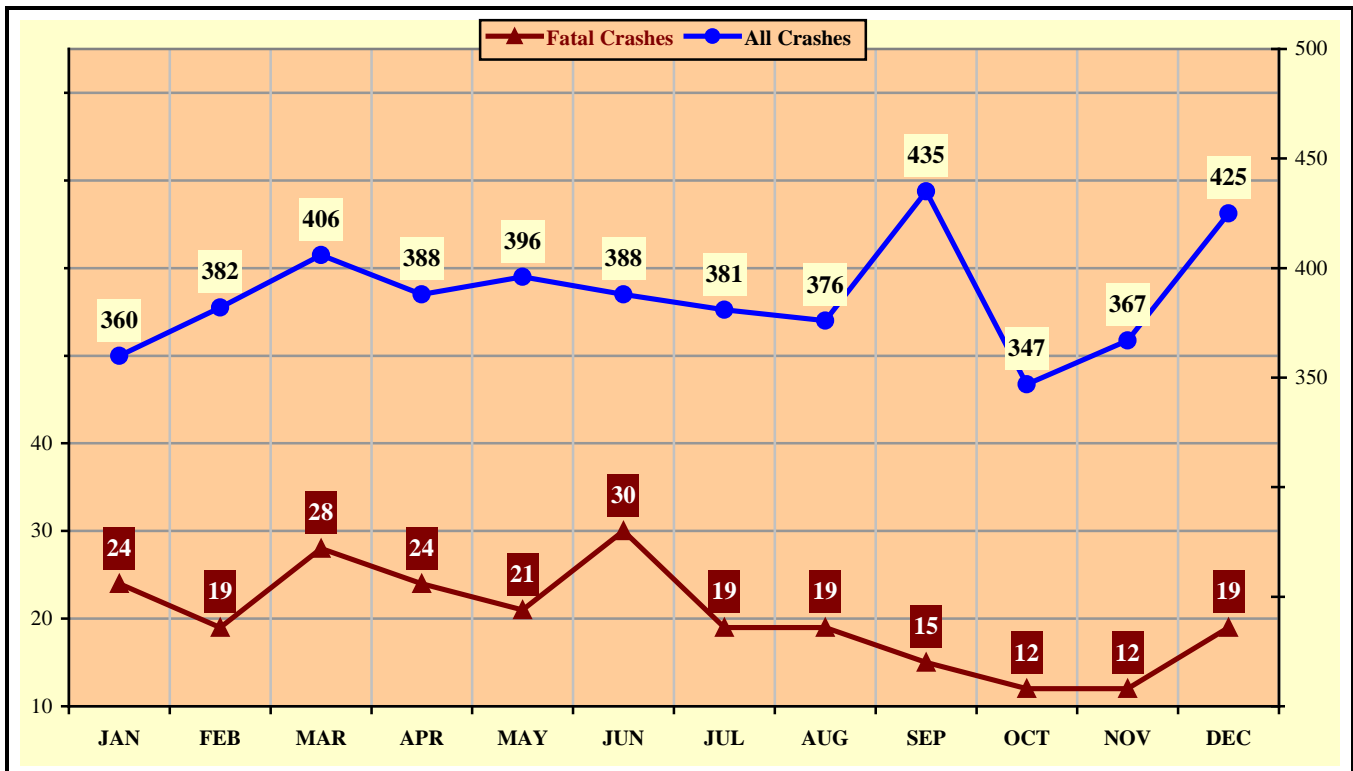


Chart 6 – 2

All Alcohol Related Crashes vs. Fatal Alcohol Related Crashes by Month



Section 6: – Alcohol Related Crashes

Chart 6 – 3

All Alcohol Related Crashes vs. Fatal Alcohol Related Crashes - Weekdays

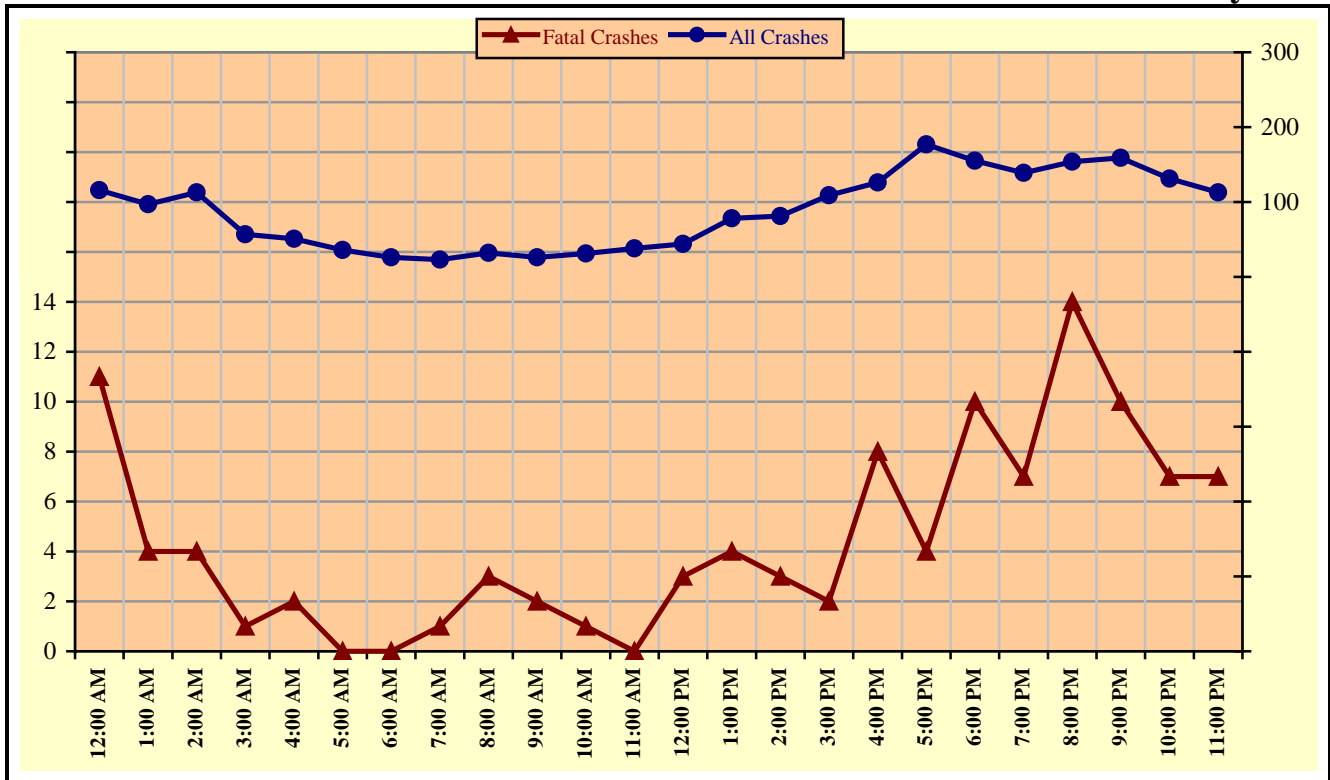
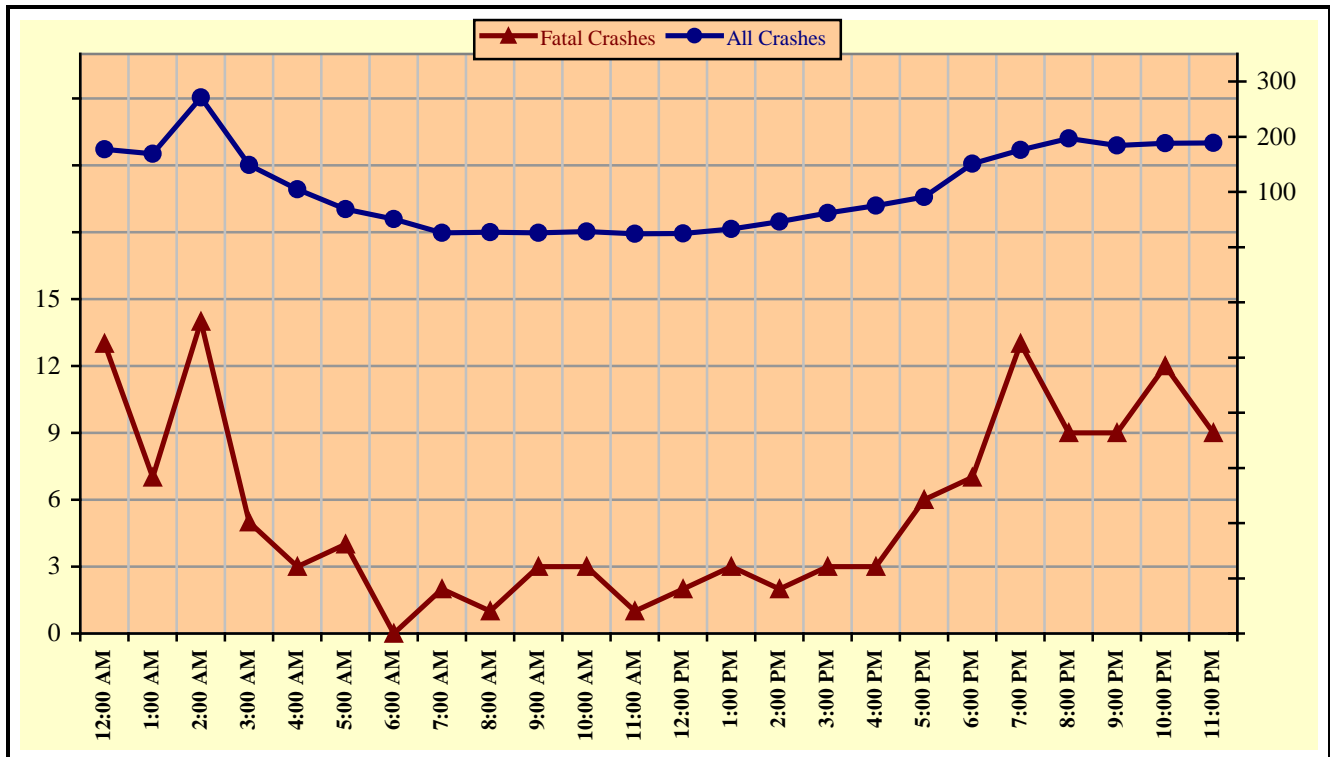


Chart 6 – 4

All Alcohol Related Crashes vs. Fatal Alcohol Related Crashes - Weekends



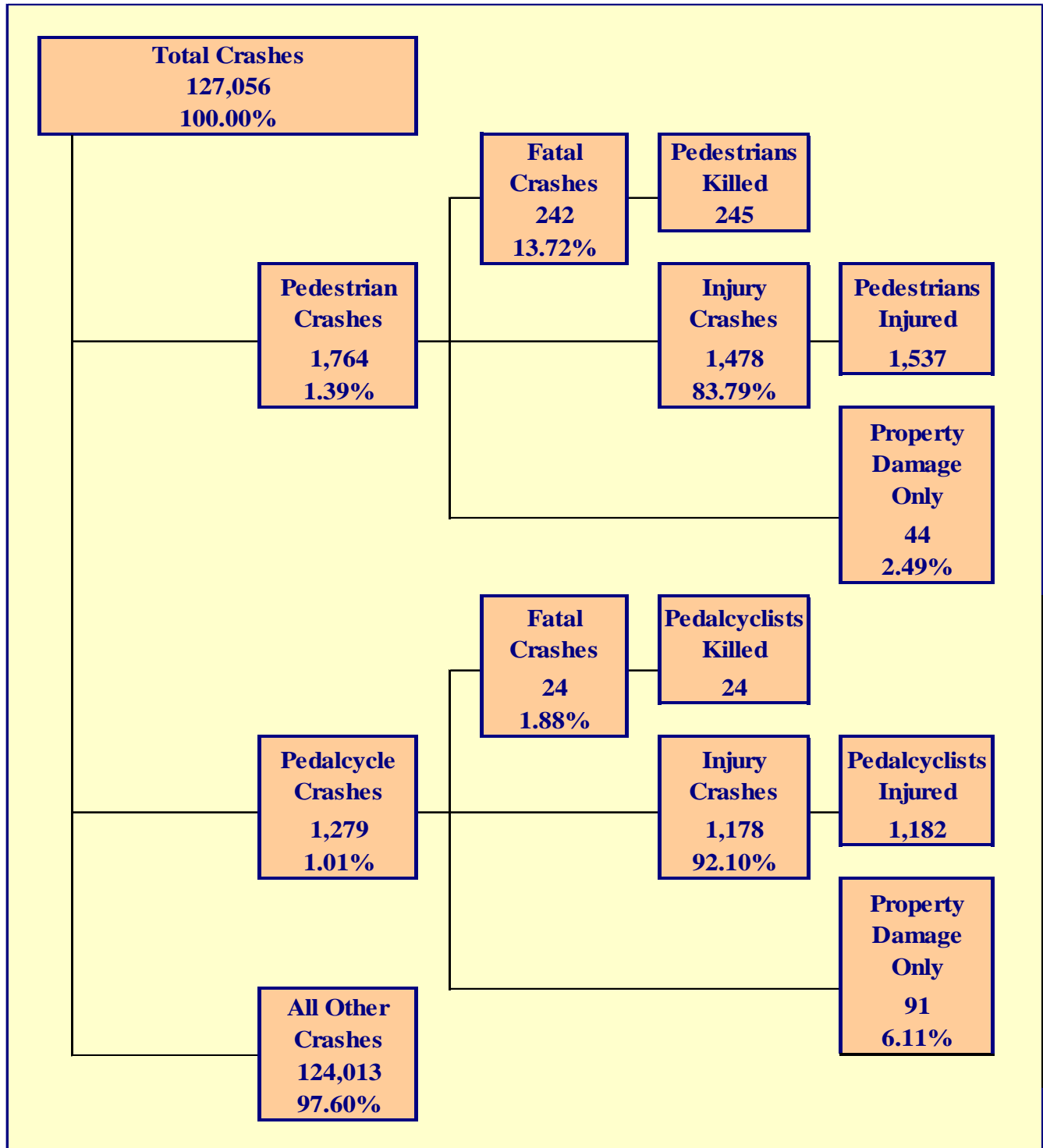
Section 6: – Alcohol Related Crashes

Table 6 – 14

Alcohol Related Crashes by Hour and Day of Week

| Hour Beginning | Total Crashes | | Monday | | Tuesday | | Wednesday | | Thursday | | Friday | | Saturday | | Sunday | | Weekdays | | Weekends | |
|----------------|---------------|------------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|--------------|-----------|------------|-----------|--------------|------------|--------------|------------|
| | All | Fatal | All | Fatal | All | Fatal | All | Fatal | All | Fatal | All | Fatal | All | Fatal | All | Fatal | All | Fatal | All | Fatal |
| 12:00 AM | 293 | 24 | 32 | 2 | 22 | 3 | 28 | 1 | 32 | 3 | 34 | 4 | 78 | 6 | 67 | 5 | 116 | 11 | 177 | 13 |
| 1:00 AM | 266 | 11 | 20 | 1 | 16 | 0 | 23 | 2 | 24 | 1 | 34 | 1 | 69 | 3 | 80 | 3 | 97 | 4 | 169 | 7 |
| 2:00 AM | 384 | 18 | 40 | 1 | 24 | 1 | 20 | 0 | 21 | 2 | 48 | 1 | 108 | 5 | 123 | 8 | 113 | 4 | 271 | 14 |
| 3:00 AM | 206 | 6 | 16 | 1 | 7 | 0 | 10 | 0 | 15 | 0 | 25 | 1 | 68 | 3 | 65 | 1 | 57 | 1 | 149 | 5 |
| 4:00 AM | 156 | 5 | 16 | 1 | 5 | 0 | 6 | 1 | 17 | 0 | 23 | 1 | 44 | 1 | 45 | 1 | 51 | 2 | 105 | 3 |
| 5:00 AM | 105 | 4 | 10 | 0 | 5 | 0 | 12 | 0 | 4 | 0 | 15 | 0 | 32 | 2 | 27 | 2 | 36 | 0 | 69 | 4 |
| 6:00 AM | 77 | 0 | 3 | 0 | 8 | 0 | 5 | 0 | 3 | 0 | 7 | 0 | 20 | 0 | 31 | 0 | 26 | 0 | 51 | 0 |
| 7:00 AM | 49 | 3 | 8 | 0 | 2 | 0 | 4 | 1 | 3 | 0 | 6 | 0 | 15 | 1 | 11 | 1 | 23 | 1 | 26 | 2 |
| 8:00 AM | 59 | 4 | 10 | 1 | 5 | 0 | 4 | 1 | 5 | 0 | 8 | 1 | 13 | 1 | 14 | 0 | 32 | 3 | 27 | 1 |
| 9:00 AM | 52 | 5 | 7 | 0 | 3 | 0 | 8 | 0 | 4 | 2 | 4 | 0 | 13 | 2 | 13 | 1 | 26 | 2 | 26 | 3 |
| 10:00 AM | 59 | 4 | 6 | 1 | 4 | 0 | 7 | 0 | 9 | 0 | 5 | 0 | 11 | 2 | 17 | 1 | 31 | 1 | 28 | 3 |
| 11:00 AM | 62 | 1 | 8 | 0 | 5 | 0 | 5 | 0 | 10 | 0 | 10 | 0 | 16 | 0 | 8 | 1 | 38 | 0 | 24 | 1 |
| 12:00 PM | 69 | 5 | 6 | 1 | 6 | 0 | 14 | 2 | 8 | 0 | 10 | 0 | 15 | 1 | 10 | 1 | 44 | 3 | 25 | 2 |
| 1:00 PM | 111 | 7 | 12 | 0 | 14 | 0 | 11 | 1 | 14 | 2 | 27 | 1 | 11 | 1 | 22 | 2 | 78 | 4 | 33 | 3 |
| 2:00 PM | 127 | 5 | 16 | 1 | 19 | 1 | 8 | 0 | 16 | 1 | 22 | 0 | 23 | 1 | 23 | 1 | 81 | 3 | 46 | 2 |
| 3:00 PM | 171 | 5 | 16 | 0 | 23 | 1 | 25 | 1 | 16 | 0 | 29 | 0 | 30 | 2 | 32 | 1 | 109 | 2 | 62 | 3 |
| 4:00 PM | 201 | 11 | 26 | 1 | 25 | 3 | 25 | 2 | 17 | 1 | 33 | 1 | 34 | 2 | 41 | 1 | 126 | 8 | 75 | 3 |
| 5:00 PM | 268 | 10 | 32 | 2 | 38 | 0 | 32 | 0 | 27 | 1 | 48 | 1 | 47 | 4 | 44 | 2 | 177 | 4 | 91 | 6 |
| 6:00 PM | 306 | 17 | 36 | 4 | 34 | 4 | 49 | 0 | 36 | 2 | 52 | 2 | 53 | 3 | 46 | 2 | 155 | 10 | 151 | 7 |
| 7:00 PM | 315 | 20 | 29 | 2 | 35 | 3 | 40 | 1 | 35 | 1 | 58 | 1 | 64 | 7 | 54 | 5 | 139 | 7 | 176 | 13 |
| 8:00 PM | 351 | 23 | 35 | 2 | 30 | 2 | 38 | 2 | 51 | 8 | 58 | 2 | 79 | 5 | 60 | 2 | 154 | 14 | 197 | 9 |
| 9:00 PM | 343 | 19 | 29 | 2 | 42 | 3 | 48 | 3 | 40 | 2 | 71 | 2 | 64 | 3 | 49 | 4 | 159 | 10 | 184 | 9 |
| 10:00 PM | 319 | 19 | 36 | 0 | 27 | 3 | 39 | 2 | 29 | 2 | 79 | 8 | 64 | 2 | 45 | 2 | 131 | 7 | 188 | 12 |
| 11:00 PM | 302 | 16 | 29 | 2 | 31 | 2 | 27 | 0 | 26 | 3 | 85 | 2 | 74 | 4 | 30 | 3 | 113 | 7 | 189 | 9 |
| TOTAL | 4,651 | 242 | 478 | 25 | 430 | 26 | 488 | 20 | 462 | 31 | 791 | 29 | 1,045 | 61 | 957 | 50 | 2,112 | 108 | 2,539 | 134 |

Crashes during Weekends accounted for 54.59% of all Alcohol Related crashes and 55.37% of Alcohol Related Fatal Crashes.



Section 7: – Pedestrian and Pedalcyclist Crashes

**Table 7 – 1
Pedestrians Killed and Injured By Age and Gender**

| Age Group | Pedestrians Killed | | | | Pedestrians Injured | | | |
|--------------|--------------------|------------|-----------|----------------|---------------------|------------|------------|----------------|
| | Total | Male | Female | Gender Unknown | Total | Male | Female | Gender Unknown |
| 0-4 | 1 | 1 | 0 | 0 | 11 | 8 | 3 | 0 |
| 5-9 | 0 | 0 | 0 | 0 | 30 | 17 | 13 | 0 |
| 10-14 | 4 | 2 | 2 | 0 | 96 | 54 | 42 | 0 |
| 15-19 | 8 | 5 | 3 | 0 | 204 | 120 | 84 | 0 |
| 20-24 | 15 | 12 | 3 | 0 | 158 | 99 | 59 | 0 |
| 25-34 | 38 | 26 | 12 | 0 | 278 | 184 | 94 | 0 |
| 35-44 | 33 | 19 | 14 | 0 | 207 | 128 | 79 | 0 |
| 45-54 | 44 | 32 | 12 | 0 | 213 | 136 | 77 | 0 |
| 55-64 | 46 | 34 | 12 | 0 | 185 | 121 | 64 | 0 |
| 65-74 | 35 | 24 | 11 | 0 | 96 | 57 | 39 | 0 |
| 75 & Older | 17 | 12 | 5 | 0 | 36 | 26 | 10 | 0 |
| Unknown | 4 | 1 | 1 | 2 | 23 | 13 | 8 | 2 |
| TOTAL | 245 | 168 | 75 | 2 | 1,537 | 963 | 572 | 2 |

**Table 7 – 2
Pedestrian Crashes by Geographic Location**

| Category | Total | Urban | Percent of Total | Rural | Percent of Total |
|----------------------------|-------|-------|------------------|-------|------------------|
| Total Crashes | 1,764 | 1,617 | 91.67% | 147 | 8.33% |
| Fatal Crashes | 242 | 192 | 79.34% | 50 | 20.66% |
| Injury Crashes | 1,478 | 1,386 | 93.78% | 92 | 6.22% |
| PDO Crashes | 44 | 39 | 88.64% | 5 | 11.36% |
| Pedestrians Killed | 245 | 195 | 79.59% | 50 | 20.41% |
| Pedestrians Injured | 1,537 | 1,441 | 93.75% | 96 | 6.25% |

**Table 7 – 3
Pedestrian Crash History**

| Year | Pedestrian Crashes | Percent of all Crashes | Pedestrians Killed | Percent of all Fatalities | Pedestrians Injured | Percent of all Injuries |
|-------------|--------------------|------------------------|--------------------|---------------------------|---------------------|-------------------------|
| 2014 | 1,570 | 1.43% | 155 | 20.03% | 1,358 | 2.66% |
| 2015 | 1,412 | 1.21% | 163 | 18.17% | 1,248 | 2.32% |
| 2016 | 1,650 | 1.30% | 193 | 20.27% | 1,465 | 2.57% |
| 2017 | 1,711 | 1.34% | 226 | 22.65% | 1,523 | 2.73% |
| 2018 | 1,764 | 1.39% | 245 | 24.26% | 1,537 | 2.88% |

Section 7: – Pedestrian and Pedalcyclist Crashes

Table 7 – 4
Pedestrians Killed by Age and Action

| Pedestrian Action | Total | Age Group of Pedestrian | | | | | | | | | | | |
|-------------------------|------------|-------------------------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|----------|
| | | 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-34 | 35-44 | 45-54 | 55-64 | 65-74 | 75 & Older | Unknown |
| Crossing Road | 132 | 1 | 0 | 3 | 5 | 4 | 17 | 19 | 21 | 26 | 24 | 12 | 0 |
| Walking With Traffic | 12 | 0 | 0 | 1 | 0 | 2 | 2 | 1 | 2 | 3 | 1 | 0 | 0 |
| Walking Against Traffic | 7 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 1 | 2 | 0 | 0 |
| Standing | 10 | 0 | 0 | 0 | 1 | 0 | 1 | 2 | 3 | 1 | 1 | 1 | 0 |
| Lying | 7 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 1 | 1 | 1 | 0 | 0 |
| Getting on/off Vehicle | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Working on/pushing Veh | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Working on Road | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | 20 | 0 | 0 | 0 | 1 | 1 | 5 | 2 | 1 | 4 | 3 | 3 | 0 |
| Unknown | 57 | 0 | 0 | 0 | 1 | 8 | 8 | 8 | 14 | 10 | 3 | 1 | 4 |
| TOTAL | 245 | 1 | 0 | 4 | 8 | 15 | 38 | 33 | 44 | 46 | 35 | 17 | 4 |

Table 7 – 5
Pedestrians Injured by Age and Action

| Pedestrian Action | Total | Age Group of Pedestrian | | | | | | | | | | | |
|-------------------------|--------------|-------------------------|-----------|-----------|------------|------------|------------|------------|------------|------------|-----------|------------|-----------|
| | | 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-34 | 35-44 | 45-54 | 55-64 | 65-74 | 75 & Older | Unknown |
| Crossing Road | 978 | 5 | 23 | 69 | 129 | 89 | 169 | 120 | 143 | 126 | 66 | 24 | 15 |
| Walking With Traffic | 111 | 2 | 1 | 8 | 6 | 16 | 27 | 16 | 12 | 13 | 7 | 3 | 0 |
| Walking Against Traffic | 93 | 1 | 0 | 5 | 10 | 10 | 21 | 16 | 8 | 11 | 7 | 2 | 2 |
| Standing | 102 | 0 | 2 | 0 | 13 | 10 | 22 | 22 | 15 | 11 | 5 | 1 | 1 |
| Lying | 10 | 0 | 0 | 0 | 0 | 1 | 2 | 3 | 3 | 1 | 0 | 0 | 0 |
| Getting on/off Vehicle | 8 | 0 | 0 | 0 | 2 | 1 | 2 | 0 | 2 | 1 | 0 | 0 | 0 |
| Working on/pushing Veh | 6 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 2 | 1 | 0 | 0 | 0 |
| Working on Road | 10 | 0 | 0 | 0 | 2 | 3 | 1 | 2 | 1 | 1 | 0 | 0 | 0 |
| Other | 153 | 1 | 1 | 12 | 32 | 26 | 22 | 18 | 16 | 13 | 7 | 4 | 1 |
| Unknown | 66 | 2 | 3 | 2 | 9 | 2 | 10 | 10 | 11 | 7 | 4 | 2 | 4 |
| TOTAL | 1,537 | 11 | 30 | 96 | 204 | 158 | 278 | 207 | 213 | 185 | 96 | 36 | 23 |

Table 7 – 6
Pedestrian Physical Condition in Motor Vehicle Crashes

| Type of Condition | Number of Pedestrians | | | | | | | |
|--------------------------------|-----------------------|------------------|------------------|------------------|-------------------|-------------------|----------------|----------------|
| | Total | Percent of Total | In Fatal Crashes | Percent of Fatal | In Injury Crashes | Percent of Injury | In PDO Crashes | Percent of PDO |
| No Apparent Influence | 1,190 | 64.36% | 42 | 16.67% | 1,111 | 71.82% | 37 | 74.00% |
| Alcohol | 173 | 9.36% | 70 | 27.78% | 101 | 6.53% | 2 | 4.00% |
| Illegal Drugs | 60 | 3.24% | 45 | 17.86% | 15 | 0.97% | 0 | 0.00% |
| Medications | 2 | 0.11% | 2 | 0.79% | 0 | 0.00% | 0 | 0.00% |
| Marijuana | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% |
| Illness or Physical Impairment | 8 | 0.43% | 0 | 0.00% | 8 | 0.52% | 0 | 0.00% |
| Fell Asleep or Fatigued | 3 | 0.16% | 1 | 0.40% | 2 | 0.13% | 0 | 0.00% |
| Other | 8 | 0.43% | 2 | 0.79% | 6 | 0.39% | 0 | 0.00% |
| Unknown | 405 | 21.90% | 90 | 35.71% | 304 | 19.65% | 11 | 22.00% |
| TOTAL | 1,849 | 100.00% | 252 | 100.00% | 1,547 | 100.00% | 50 | 100.00% |

Section 7: – Pedestrian and Pedalcyclist Crashes

Table 7 – 7

Lighting Conditions in Pedestrian Crashes

| Type of Lighting Conditions | Number of Crashes | | | |
|-----------------------------|-------------------|------------|--------------|-----------|
| | Total | Fatal | Injury | PDO |
| Daylight | 818 | 42 | 749 | 27 |
| Dawn | 44 | 3 | 38 | 3 |
| Dusk | 38 | 4 | 34 | 0 |
| Dark - Lighted | 644 | 116 | 516 | 12 |
| Dark - Not Lighted | 172 | 39 | 132 | 1 |
| Dark - Unknown Lighting | 29 | 21 | 7 | 1 |
| Unknown | 19 | 17 | 2 | 0 |
| TOTAL | 1,764 | 242 | 1,478 | 44 |

Table 7 – 8

Weather Conditions in Pedestrian Crashes

| Type of Weather Conditions | Number of Crashes | | | |
|----------------------------|-------------------|------------|--------------|-----------|
| | Total | Fatal | Injury | PDO |
| Clear | 1,533 | 153 | 1,338 | 42 |
| Cloudy | 93 | 12 | 79 | 2 |
| Sleet/Hail | 0 | 0 | 0 | 0 |
| Rain | 52 | 5 | 47 | 0 |
| Snow or Blowing Snow | 2 | 0 | 2 | 0 |
| Severe Crosswinds | 2 | 1 | 1 | 0 |
| Blowing Sand, Soil, Dirt | 2 | 0 | 2 | 0 |
| Fog, Smog, Smoke | 1 | 0 | 1 | 0 |
| Other | 3 | 1 | 2 | 0 |
| Unknown | 76 | 70 | 6 | 0 |
| TOTAL | 1,764 | 242 | 1,478 | 44 |

Table 7 – 9

Pedalcyclists Killed and Injured by Age and Gender

| Age Group | Pedalcyclists Killed | | | Pedalcyclists Injured | | | |
|--------------|----------------------|-----------|----------|-----------------------|------------|------------|----------------|
| | Total | Male | Female | Total | Male | Female | Gender Unknown |
| 0-4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5-9 | 0 | 0 | 0 | 11 | 7 | 4 | 0 |
| 10-14 | 0 | 0 | 0 | 85 | 69 | 16 | 0 |
| 15-19 | 2 | 2 | 0 | 134 | 98 | 36 | 0 |
| 20-24 | 2 | 2 | 0 | 131 | 93 | 38 | 0 |
| 25-34 | 3 | 2 | 1 | 230 | 173 | 57 | 0 |
| 35-44 | 5 | 4 | 1 | 163 | 117 | 46 | 0 |
| 45-54 | 2 | 2 | 0 | 174 | 141 | 33 | 0 |
| 55-64 | 5 | 4 | 1 | 142 | 115 | 27 | 0 |
| 65-74 | 3 | 3 | 0 | 79 | 72 | 7 | 0 |
| 75 & Older | 2 | 2 | 0 | 20 | 20 | 0 | 0 |
| Unknown | 0 | 0 | 0 | 13 | 9 | 2 | 2 |
| TOTAL | 24 | 21 | 3 | 1,182 | 914 | 266 | 2 |

Section 7: – Pedestrian and Pedalcyclist Crashes

Table 7 – 10

Pedalcycle Crashes by Geographic Location

| Category | Total | Urban | Percent of Total | Rural | Percent of Total |
|------------------------------|-------|-------|------------------|-------|------------------|
| Total Crashes | 1,279 | 1,190 | 93.04% | 89 | 6.96% |
| Fatal Crashes | 24 | 18 | 75.00% | 6 | 25.00% |
| Injury Crashes | 1,178 | 1,100 | 93.38% | 78 | 6.62% |
| PDO Crashes | 77 | 72 | 93.51% | 5 | 6.49% |
| Pedalcyclists Killed | 24 | 18 | 75.00% | 6 | 25.00% |
| Pedalcyclists Injured | 1,182 | 1,104 | 93.40% | 78 | 6.60% |

Table 7 – 11

Pedalcycle Crash History

| Year | Pedalcycle Crashes | Percent of all Crashes | Pedalcyclists Killed | Percent of all Fatalities | Pedalcyclists Injured | Percent of all Injuries |
|-------------|--------------------|------------------------|----------------------|---------------------------|-----------------------|-------------------------|
| 2014 | 1,746 | 1.59% | 29 | 3.75% | 1,469 | 2.87% |
| 2015 | 1,437 | 1.23% | 28 | 3.12% | 1,279 | 2.37% |
| 2016 | 1,482 | 1.16% | 31 | 3.26% | 1,353 | 2.38% |
| 2017 | 1,498 | 1.17% | 32 | 3.21% | 1,380 | 2.47% |
| 2018 | 1,279 | 1.01% | 24 | 2.38% | 1,182 | 2.21% |

Table 7 – 12

Lighting Conditions in Pedalcyclist Crashes

| Type of Lighting Conditions | Number of Crashes | | | |
|--------------------------------|-------------------|-----------|--------------|-----------|
| | Total | Fatal | Injury | PDO |
| Daylight | 954 | 14 | 885 | 55 |
| Dawn | 27 | 0 | 22 | 5 |
| Dusk | 39 | 3 | 34 | 2 |
| Dark - Lighted | 205 | 4 | 188 | 13 |
| Dark - Not Lighted | 45 | 2 | 41 | 2 |
| Dark - Unknown Lighting | 3 | 0 | 3 | 0 |
| Unknown | 6 | 1 | 5 | 0 |
| TOTAL | 1,279 | 24 | 1,178 | 77 |

Table 7 – 13

Weather Conditions in Pedalcyclist Crashes

| Type of Weather Conditions | Number of Crashes | | | |
|---------------------------------|-------------------|-----------|--------------|-----------|
| | Total | Fatal | Injury | PDO |
| Clear | 1,150 | 20 | 1,064 | 66 |
| Cloudy | 100 | 1 | 90 | 9 |
| Sleet/Hail | 0 | 0 | 0 | 0 |
| Rain | 19 | 1 | 16 | 2 |
| Snow or Blowing Snow | 0 | 0 | 0 | 0 |
| Severe Crosswinds | 0 | 0 | 0 | 0 |
| Blowing Sand, Soil, Dirt | 0 | 0 | 0 | 0 |
| Fog, Smog, Smoke | 0 | 0 | 0 | 0 |
| Other | 0 | 0 | 0 | 0 |
| Unknown | 10 | 2 | 8 | 0 |
| TOTAL | 1,279 | 24 | 1,178 | 77 |

Section 7: – Pedestrian and Pedalcyclist Crashes

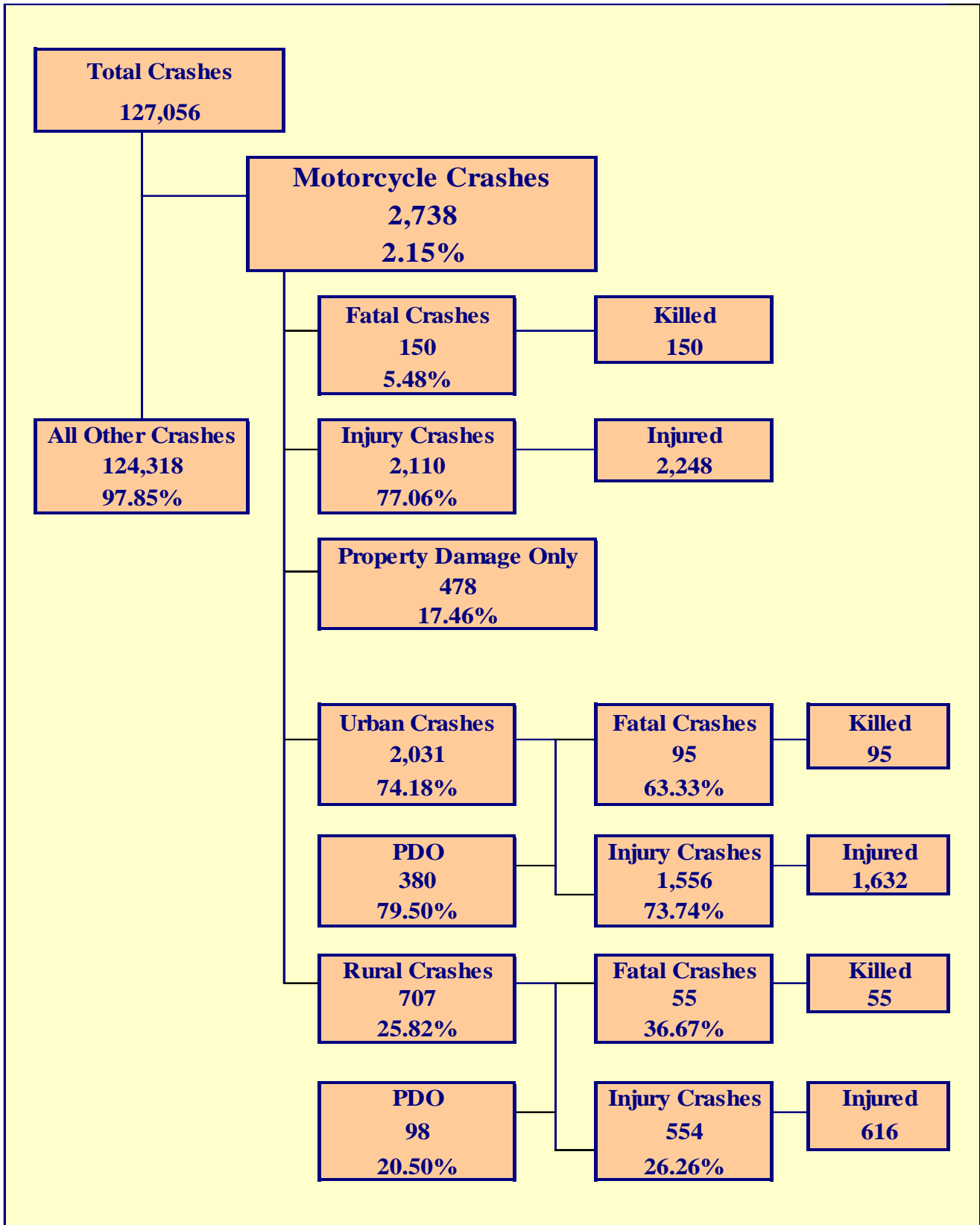
Table 7 – 14
Pedestrian Crashes by County

| County | Number of Crashes | | | | Number of Pedestrians | |
|--------------|-------------------|------------|--------------|-----------|-----------------------|--------------|
| | Total | Fatal | Injury | PDO | Killed | Injured |
| Apache | 2 | 2 | 0 | 0 | 2 | 0 |
| Cochise | 6 | 1 | 5 | 0 | 1 | 5 |
| Coconino | 35 | 9 | 25 | 1 | 10 | 24 |
| Gila | 11 | 3 | 8 | 0 | 3 | 8 |
| Graham | 1 | 1 | 0 | 0 | 1 | 0 |
| Greenlee | 0 | 0 | 0 | 0 | 0 | 0 |
| La Paz | 2 | 2 | 0 | 0 | 2 | 0 |
| Maricopa | 1,321 | 164 | 1,126 | 31 | 166 | 1,176 |
| Mohave | 27 | 4 | 21 | 2 | 4 | 20 |
| Navajo | 22 | 10 | 11 | 1 | 10 | 12 |
| Pima | 244 | 31 | 207 | 6 | 31 | 215 |
| Pinal | 27 | 6 | 19 | 2 | 6 | 21 |
| Santa Cruz | 3 | 0 | 3 | 0 | 0 | 3 |
| Yavapai | 27 | 5 | 22 | 0 | 5 | 22 |
| Yuma | 36 | 4 | 31 | 1 | 4 | 31 |
| TOTAL | 1,764 | 242 | 1,478 | 44 | 245 | 1,537 |

Maricopa and Pima Counties accounted for 80.41% of pedestrian fatalities.

Table 7 – 15
Pedalcyclist Crashes by County

| County | Number of Crashes | | | | Number of Pedalcyclists | |
|--------------|-------------------|-----------|--------------|-----------|-------------------------|--------------|
| | Total | Fatal | Injury | PDO | Killed | Injured |
| Apache | 1 | 0 | 1 | 0 | 0 | 1 |
| Cochise | 5 | 2 | 3 | 0 | 2 | 3 |
| Coconino | 34 | 0 | 31 | 3 | 0 | 32 |
| Gila | 2 | 0 | 2 | 0 | 0 | 2 |
| Graham | 1 | 0 | 1 | 0 | 0 | 1 |
| Greenlee | 0 | 0 | 0 | 0 | 0 | 0 |
| La Paz | 1 | 0 | 1 | 0 | 0 | 1 |
| Maricopa | 954 | 12 | 890 | 52 | 12 | 893 |
| Mohave | 21 | 1 | 20 | 0 | 1 | 20 |
| Navajo | 1 | 1 | 0 | 0 | 1 | 0 |
| Pima | 188 | 6 | 165 | 17 | 6 | 165 |
| Pinal | 21 | 1 | 18 | 2 | 1 | 18 |
| Santa Cruz | 1 | 0 | 1 | 0 | 0 | 1 |
| Yavapai | 17 | 0 | 16 | 1 | 0 | 16 |
| Yuma | 32 | 1 | 29 | 2 | 1 | 29 |
| TOTAL | 1,279 | 24 | 1,178 | 77 | 24 | 1,182 |



Section 8: – Motorcycle (MC) Crashes

Chart 8 – 1
MC Fatalities by Year

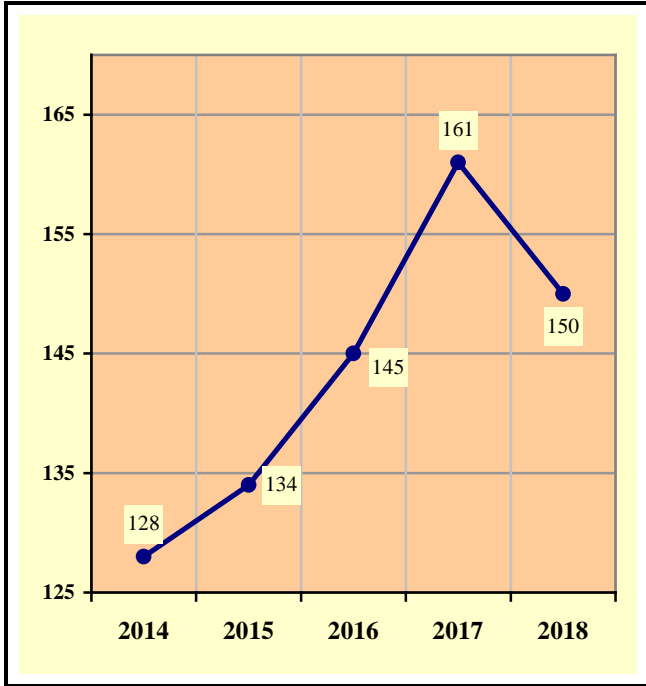
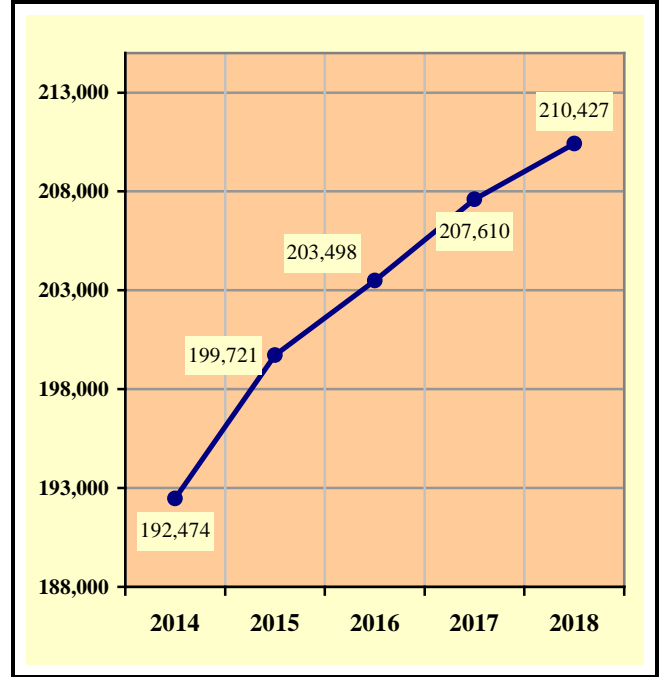


Chart 8 – 2
MC Registrations in Arizona



Total Point-in-Time of Registered Motorcycles at the end of
Calendar year 2018.
(Source: MVD - MV988 MV630419 Currently Registered Vehicles by County
Listing (motorcycle sub category), reports dated 12/31/18.)

Chart 8 – 3
Fatality Rate per Registered MC

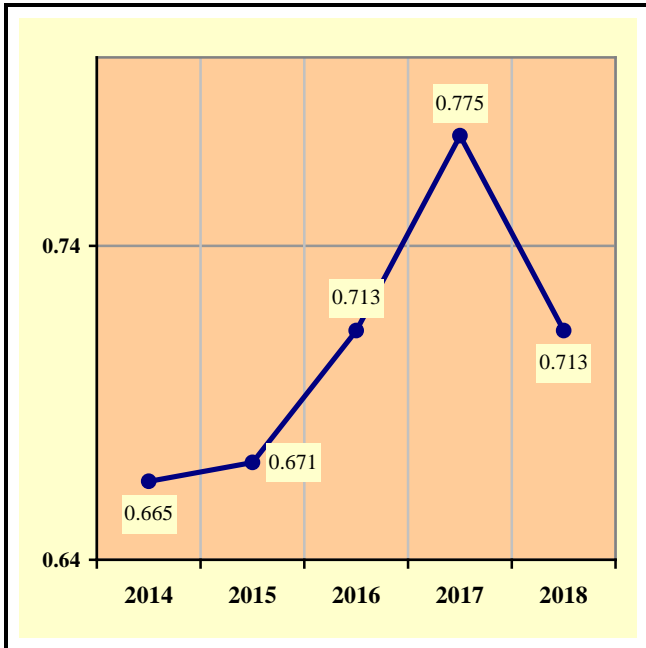
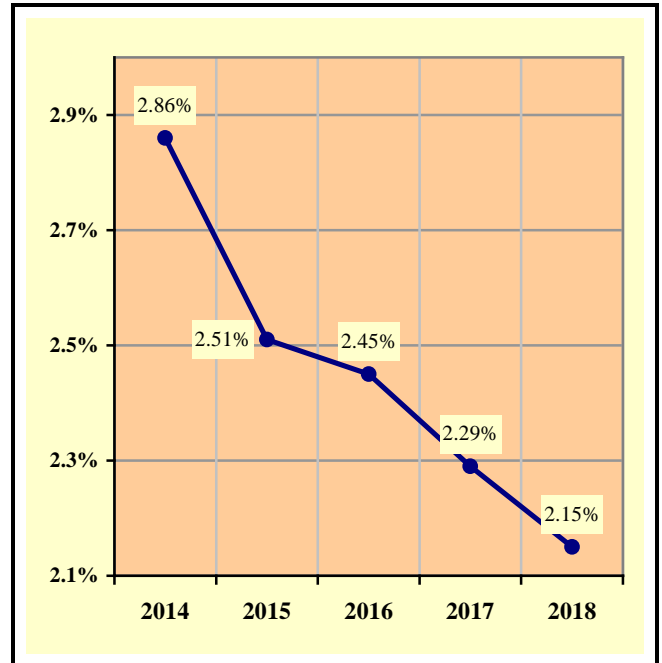


Chart 8 – 4
Percent of MC Crashes to All Crashes



Section 8: – Motorcycle (MC) Crashes

Table 8 – 1
MC Crashes by First Harmful Event

| First Harmful Event Type | Number of Crashes | | | |
|---|-------------------|------------|--------------|------------|
| | Total | Fatal | Injury | PDO |
| Collision with Motor Vehicle in Transport | 1,557 | 80 | 1,117 | 360 |
| Overturning | 671 | 22 | 601 | 48 |
| Collision with Pedestrian | 15 | 2 | 13 | 0 |
| Collision with Pedalcyclist | 7 | 0 | 7 | 0 |
| Collision with Animal | 29 | 2 | 23 | 4 |
| Collision with Fixed Object | 296 | 41 | 237 | 18 |
| Collision with Non-fixed Object* | 78 | 0 | 43 | 35 |
| Vehicle Fire or Explosion | 6 | 0 | 2 | 4 |
| Other Non-collision** | 4 | 0 | 3 | 1 |
| Unknown | 75 | 3 | 64 | 8 |
| TOTAL | 2,738 | 150 | 2,110 | 478 |
| *Includes Collision with Parked Vehicles, Trains, Railway Vehicles, and Work Zone Equipment | | | | |
| **Includes Vehicle Immersion, Jackknife, and Cargo Loss or Shift | | | | |

Table 8 – 2
Lighting Conditions in MC Crashes

| Type of Lighting Conditions | Number of Crashes | | | |
|-----------------------------|-------------------|------------|--------------|------------|
| | Total | Fatal | Injury | PDO |
| Daylight | 1,861 | 80 | 1,464 | 317 |
| Dawn | 31 | 3 | 24 | 4 |
| Dusk | 92 | 2 | 73 | 17 |
| Dark - Lighted | 583 | 43 | 420 | 120 |
| Dark - Not Lighted | 151 | 13 | 120 | 18 |
| Dark - Unknown Lighting | 10 | 3 | 6 | 1 |
| Unknown | 10 | 6 | 3 | 1 |
| TOTAL | 2,738 | 150 | 2,110 | 478 |

Table 8 – 3
Road Surface Conditions in MC Crashes

| Type of Road Surface Condition | Number of Operators | | | |
|--------------------------------|---------------------|------------------|-------------------|----------------|
| | Total | In Fatal Crashes | In Injury Crashes | In PDO Crashes |
| Dry | 2,654 | 141 | 2,056 | 457 |
| Wet | 67 | 1 | 54 | 12 |
| Snow/Slush | 2 | 0 | 2 | 0 |
| Ice/Frost | 1 | 0 | 1 | 0 |
| Water (standing or moving) | 5 | 0 | 3 | 2 |
| Mud, Dirt, Gravel, Sand | 38 | 0 | 34 | 4 |
| Other | 10 | 0 | 10 | 0 |
| Unknown | 29 | 17 | 2 | 10 |
| TOTAL | 2,806 | 159 | 2,162 | 485 |

Section 8: – Motorcycle (MC) Crashes

Table 8 – 4

MC Crashes by Geographic Location

| Category | Total | Urban | Percent of Total | Rural | Percent of Total |
|------------------------|-------|-------|------------------|-------|------------------|
| Total Crashes | 2,738 | 2,031 | 74.18% | 707 | 25.82% |
| Fatal Crashes | 150 | 95 | 63.33% | 55 | 36.67% |
| Injury Crashes | 2,110 | 1,556 | 73.74% | 554 | 26.26% |
| PDO Crashes | 478 | 380 | 79.50% | 98 | 20.50% |
| Persons Killed | 150 | 95 | 63.33% | 55 | 36.67% |
| Persons Injured | 2,248 | 1,632 | 72.60% | 616 | 27.40% |

Table 8 – 5

Operator Involvement by Age in MC Crashes

| Operator Age Group | Number of Operators | | | | | | | |
|-----------------------|---------------------|------------------|------------------|------------------|-------------------|-------------------|----------------|----------------|
| | Total | Percent of Total | In Fatal Crashes | Percent of Fatal | In Injury Crashes | Percent of Injury | In PDO Crashes | Percent of PDO |
| 15 & Under | 14 | 0.50% | 0 | 0.00% | 11 | 0.51% | 3 | 0.62% |
| 16 | 11 | 0.39% | 0 | 0.00% | 9 | 0.42% | 2 | 0.41% |
| 17 | 12 | 0.43% | 0 | 0.00% | 10 | 0.46% | 2 | 0.41% |
| 18 | 39 | 1.39% | 1 | 0.63% | 29 | 1.34% | 9 | 1.86% |
| 19 | 76 | 2.71% | 1 | 0.63% | 64 | 2.96% | 11 | 2.27% |
| 20 | 60 | 2.14% | 3 | 1.89% | 48 | 2.22% | 9 | 1.86% |
| 21 | 70 | 2.49% | 1 | 0.63% | 61 | 2.82% | 8 | 1.65% |
| 22 | 88 | 3.14% | 4 | 2.52% | 70 | 3.24% | 14 | 2.89% |
| 23 | 69 | 2.46% | 2 | 1.26% | 61 | 2.82% | 6 | 1.24% |
| 24 | 83 | 2.96% | 5 | 3.14% | 67 | 3.10% | 11 | 2.27% |
| 25-34 | 646 | 23.02% | 35 | 22.01% | 505 | 23.36% | 106 | 21.86% |
| 35-44 | 438 | 15.61% | 26 | 16.35% | 340 | 15.73% | 72 | 14.85% |
| 45-54 | 501 | 17.85% | 24 | 15.09% | 402 | 18.59% | 75 | 15.46% |
| 55-64 | 389 | 13.86% | 33 | 20.75% | 295 | 13.64% | 61 | 12.58% |
| 65-74 | 188 | 6.70% | 19 | 11.95% | 147 | 6.80% | 22 | 4.54% |
| 75 & Older | 37 | 1.32% | 3 | 1.89% | 28 | 1.30% | 6 | 1.24% |
| Unknown | 85 | 3.03% | 2 | 1.26% | 15 | 0.69% | 68 | 14.02% |
| TOTAL | 2,806 | 100.00% | 159 | 100.00% | 2,162 | 100.00% | 485 | 100.00% |

Table 8 – 6

MC Operator Physical Condition

| Type of Condition | Number of Operators | | | | | | | |
|---------------------------------------|---------------------|------------------|------------------|------------------|-------------------|-------------------|----------------|----------------|
| | Total | Percent of Total | In Fatal Crashes | Percent of Fatal | In Injury Crashes | Percent of Injury | In PDO Crashes | Percent of PDO |
| No Apparent Influence | 2,341 | 83.43% | 49 | 30.82% | 1,893 | 87.56% | 399 | 82.27% |
| Alcohol | 152 | 5.42% | 40 | 25.16% | 97 | 4.49% | 15 | 3.09% |
| Illegal Drugs | 32 | 1.14% | 21 | 13.21% | 10 | 0.46% | 1 | 0.21% |
| Medications | 1 | 0.04% | 0 | 0.00% | 1 | 0.05% | 0 | 0.00% |
| Marijuana | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% |
| Illness or Physical Impairment | 7 | 0.25% | 0 | 0.00% | 6 | 0.28% | 1 | 0.21% |
| Fell Asleep or Fatigued | 6 | 0.21% | 0 | 0.00% | 5 | 0.23% | 1 | 0.21% |
| Other | 17 | 0.61% | 1 | 0.63% | 8 | 0.37% | 8 | 1.65% |
| Unknown | 250 | 8.91% | 48 | 30.19% | 142 | 6.57% | 60 | 12.37% |
| TOTAL | 2,806 | 100.00% | 159 | 100.00% | 2,162 | 100.00% | 485 | 100.00% |

Section 8: – Motorcycle (MC) Crashes

Table 8 – 7

MC Operator’s Helmet Use

| Severity of Injury | Helmet Used | Percent of Total | Helmet Not Used | Percent of Total | Unknown | Percent of Total | Total | Percent of Total |
|--------------------------|--------------|------------------|-----------------|------------------|------------|------------------|--------------|------------------|
| No Injury | 229 | 16.42% | 70 | 11.86% | 205 | 24.97% | 504 | 17.96% |
| Unknown Injury | 7 | 0.50% | 9 | 1.53% | 37 | 4.51% | 53 | 1.89% |
| Possible Injury | 216 | 15.48% | 72 | 12.20% | 160 | 19.49% | 448 | 15.97% |
| Suspected Minor Injury | 618 | 44.30% | 226 | 38.31% | 281 | 34.23% | 1,125 | 40.09% |
| Suspected Serious Injury | 262 | 18.78% | 152 | 25.76% | 119 | 14.49% | 533 | 19.00% |
| Fatal Injury | 63 | 4.52% | 61 | 10.34% | 19 | 2.31% | 143 | 5.10% |
| TOTALS | 1,395 | 100.00% | 590 | 100.00% | 821 | 100.00% | 2,806 | 100.00% |

Table 8 – 8

MC Passenger’s Helmet Use

| Severity of Injury | Helmet Used | Percent of Total | Helmet Not Used | Percent of Total | Unknown | Percent of Total | Total | Percent of Total |
|--------------------------|-------------|------------------|-----------------|------------------|-----------|------------------|------------|------------------|
| No Injury | 12 | 16.44% | 7 | 10.77% | 10 | 23.81% | 29 | 16.11% |
| Unknown Injury | 0 | 0.00% | 1 | 1.54% | 1 | 2.38% | 2 | 1.11% |
| Possible Injury | 9 | 12.33% | 13 | 20.00% | 12 | 28.57% | 34 | 18.89% |
| Suspected Minor Injury | 31 | 42.47% | 22 | 33.85% | 17 | 40.48% | 70 | 38.89% |
| Suspected Serious Injury | 17 | 23.29% | 19 | 29.23% | 2 | 4.76% | 38 | 21.11% |
| Fatal Injury | 4 | 5.48% | 3 | 4.62% | 0 | 0.00% | 7 | 3.89% |
| TOTALS | 73 | 100.00% | 65 | 100.00% | 42 | 100.00% | 180 | 100.00% |

Table 8 – 9

Helmet Use by Gender

| Gender | Number of Operators and Passengers | | | | | | | |
|--------------|------------------------------------|------------------------|-----------------|----------------------------|--------------------|--------------------|--------------|------------------|
| | Helmet Used | Percent of Helmet Used | Helmet Not Used | Percent of Helmet Not Used | Helmet Use Unknown | Percent of Unknown | Total | Percent of Total |
| Male | 1,307 | 89.03% | 566 | 86.41% | 733 | 84.94% | 2,606 | 87.27% |
| Female | 158 | 10.76% | 84 | 12.82% | 78 | 9.04% | 320 | 10.72% |
| Unknown | 3 | 0.20% | 5 | 0.76% | 52 | 6.03% | 60 | 2.01% |
| TOTAL | 1,468 | 100.00% | 655 | 100.00% | 863 | 100.00% | 2,986 | 100.00% |

Section 8: – Motorcycle (MC) Crashes

Table 8 – 10

MC Operators and Passengers Killed and Injured

| Age of Victim | Persons Killed | | | Persons Injured | | |
|---------------|----------------|------------|-----------|-----------------|--------------|------------|
| | Total | Male | Female | Total | Male | Female |
| 0-4 | 0 | 0 | 0 | 1 | 0 | 1 |
| 5-9 | 0 | 0 | 0 | 1 | 1 | 0 |
| 10-14 | 0 | 0 | 0 | 11 | 8 | 3 |
| 15-19 | 3 | 2 | 1 | 119 | 111 | 8 |
| 20-24 | 14 | 14 | 0 | 323 | 292 | 31 |
| 25-34 | 32 | 31 | 1 | 521 | 474 | 47 |
| 35-44 | 26 | 23 | 3 | 349 | 311 | 38 |
| 45-54 | 23 | 20 | 3 | 427 | 362 | 65 |
| 55-64 | 28 | 22 | 6 | 308 | 266 | 42 |
| 65-74 | 20 | 19 | 1 | 152 | 135 | 17 |
| 75 & Older | 4 | 3 | 1 | 28 | 27 | 1 |
| Unknown | 0 | 0 | 0 | 8 | 6 | 2 |
| TOTAL | 150 | 134 | 16 | 2,248 | 1,993 | 255 |

Table 8 – 11

MC Operator Violations

| Type of Violation or Behavior | Number of Operators | | | | | | | |
|-------------------------------|---------------------|------------------|------------------|------------------|-------------------|-------------------|----------------|----------------|
| | Total | Percent of Total | In Fatal Crashes | Percent of Fatal | In Injury Crashes | Percent of Injury | In PDO Crashes | Percent of PDO |
| No Improper Action | 1,348 | 48.04% | 42 | 26.42% | 1,062 | 49.12% | 244 | 50.31% |
| Speed too Fast for Conditions | 663 | 23.63% | 38 | 23.90% | 536 | 24.79% | 89 | 18.35% |
| Exceeded Lawful Speed | 41 | 1.46% | 8 | 5.03% | 32 | 1.48% | 1 | 0.21% |
| Failed to Yield Right-Of-Way | 64 | 2.28% | 1 | 0.63% | 50 | 2.31% | 13 | 2.68% |
| Followed Too Closely | 90 | 3.21% | 2 | 1.26% | 63 | 2.91% | 25 | 5.15% |
| Ran Stop Sign | 8 | 0.29% | 3 | 1.89% | 5 | 0.23% | 0 | 0.00% |
| Disregarded Traffic Signal | 30 | 1.07% | 4 | 2.52% | 21 | 0.97% | 5 | 1.03% |
| Made Improper Turn | 20 | 0.71% | 0 | 0.00% | 16 | 0.74% | 4 | 0.82% |
| Drove in Opposing Lane | 12 | 0.43% | 1 | 0.63% | 9 | 0.42% | 2 | 0.41% |
| Drove Left of Center Line | 14 | 0.50% | 4 | 2.52% | 10 | 0.46% | 0 | 0.00% |
| Passed in No-Passing Zone | 9 | 0.32% | 2 | 1.26% | 5 | 0.23% | 2 | 0.41% |
| Unsafe Lane Change | 44 | 1.57% | 0 | 0.00% | 33 | 1.53% | 11 | 2.27% |
| Failed to Keep in Proper Lane | 85 | 3.03% | 11 | 6.92% | 62 | 2.87% | 12 | 2.47% |
| Crossed Median | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% |
| Aggressive Driving | 5 | 0.18% | 0 | 0.00% | 3 | 0.14% | 2 | 0.41% |
| Wrong Way Driving | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% |
| Other | 112 | 3.99% | 5 | 3.14% | 85 | 3.93% | 22 | 4.54% |
| Unknown | 261 | 9.30% | 38 | 23.90% | 170 | 7.86% | 53 | 10.93% |
| TOTAL | 2,806 | 100.00% | 159 | 100.00% | 2,162 | 100.00% | 485 | 100.00% |

Section 8: – Motorcycle (MC) Crashes

Chart 8 – 5

All MC Crashes vs. Fatal MC Crashes by Time of Day - Weekdays

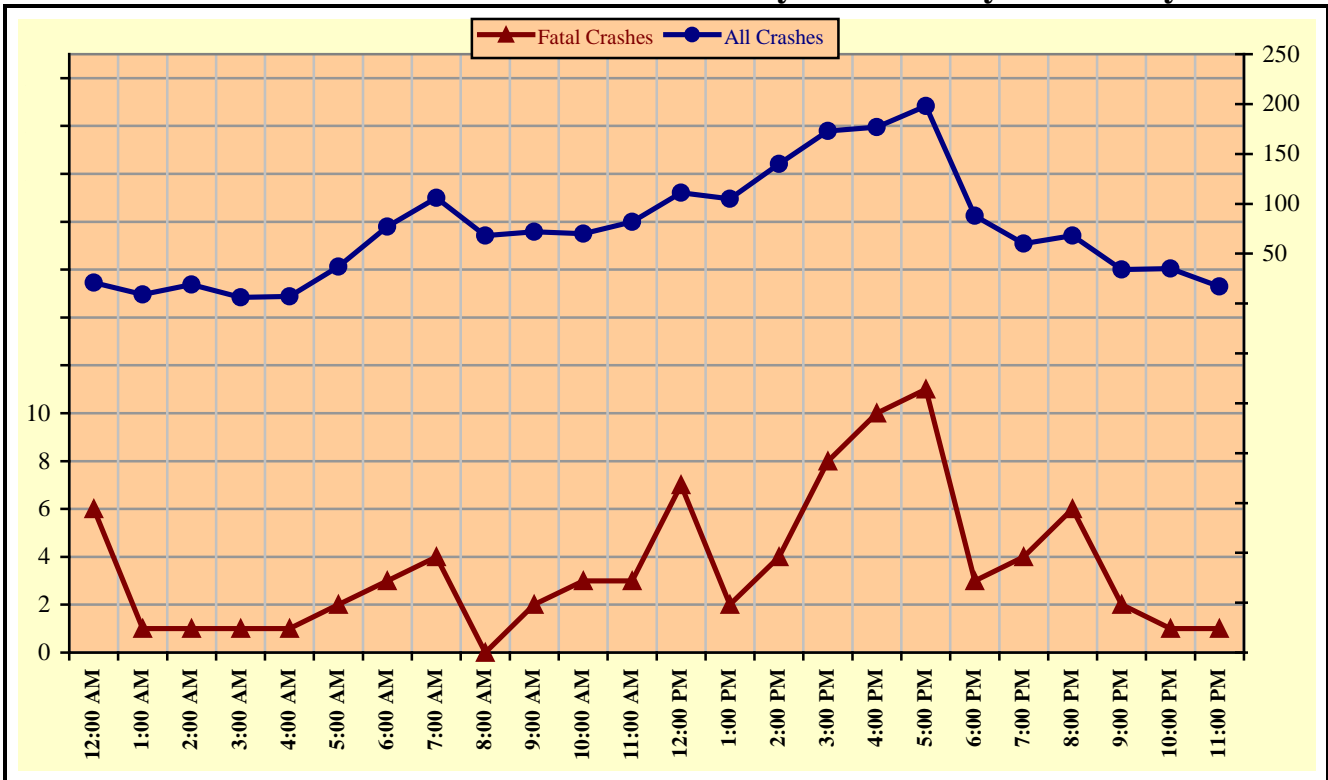
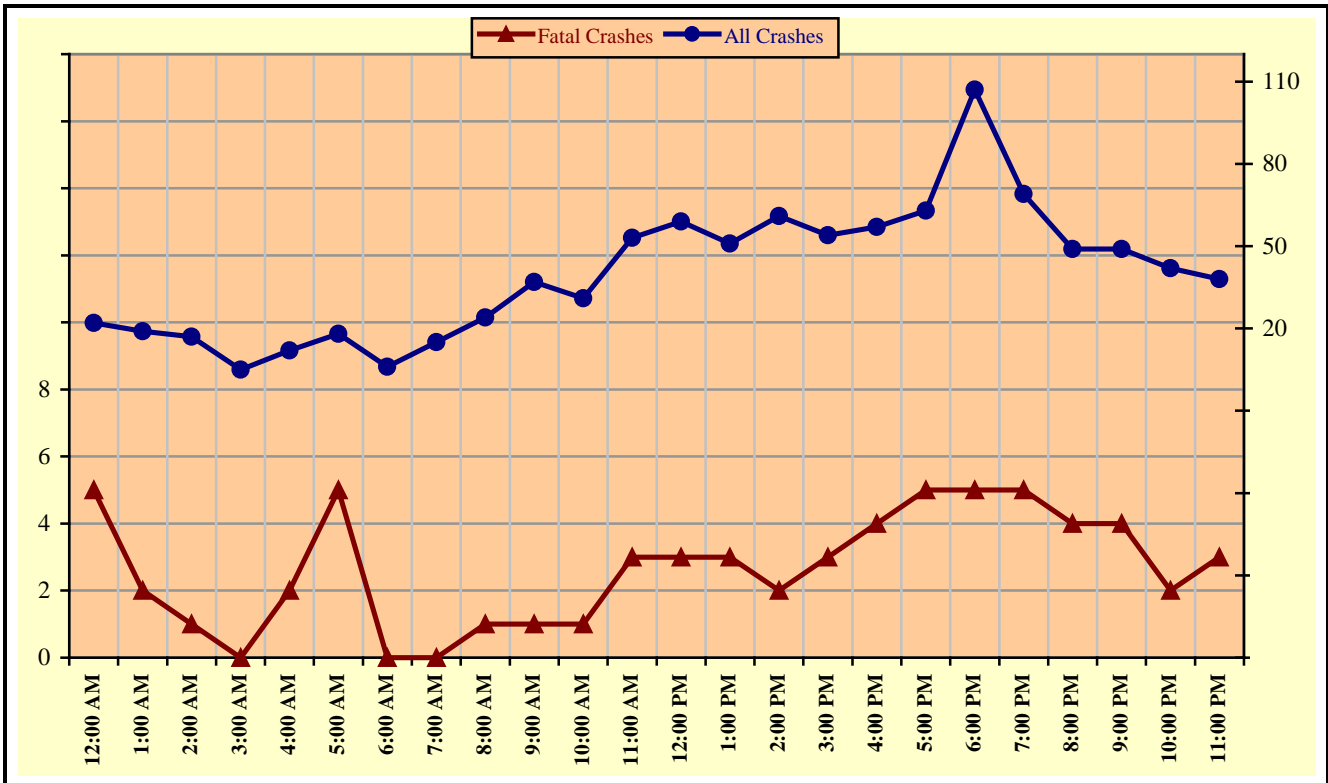


Chart 8 – 6

All MC Crashes vs. Fatal MC Crashes by Time of Day - Weekends



Section 8: – Motorcycle (MC) Crashes

Chart 8 – 7
All MC Crashes vs. Fatal MC Crashes by Day of Week

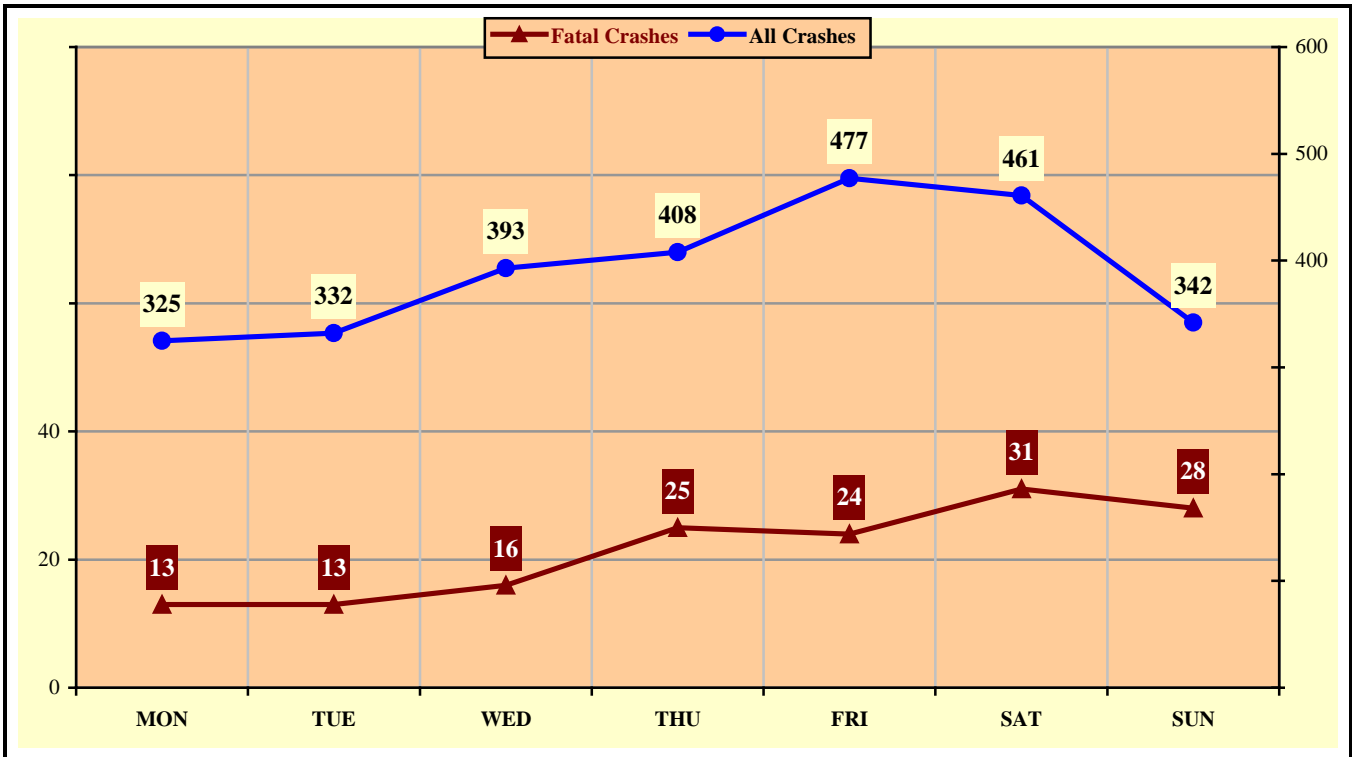
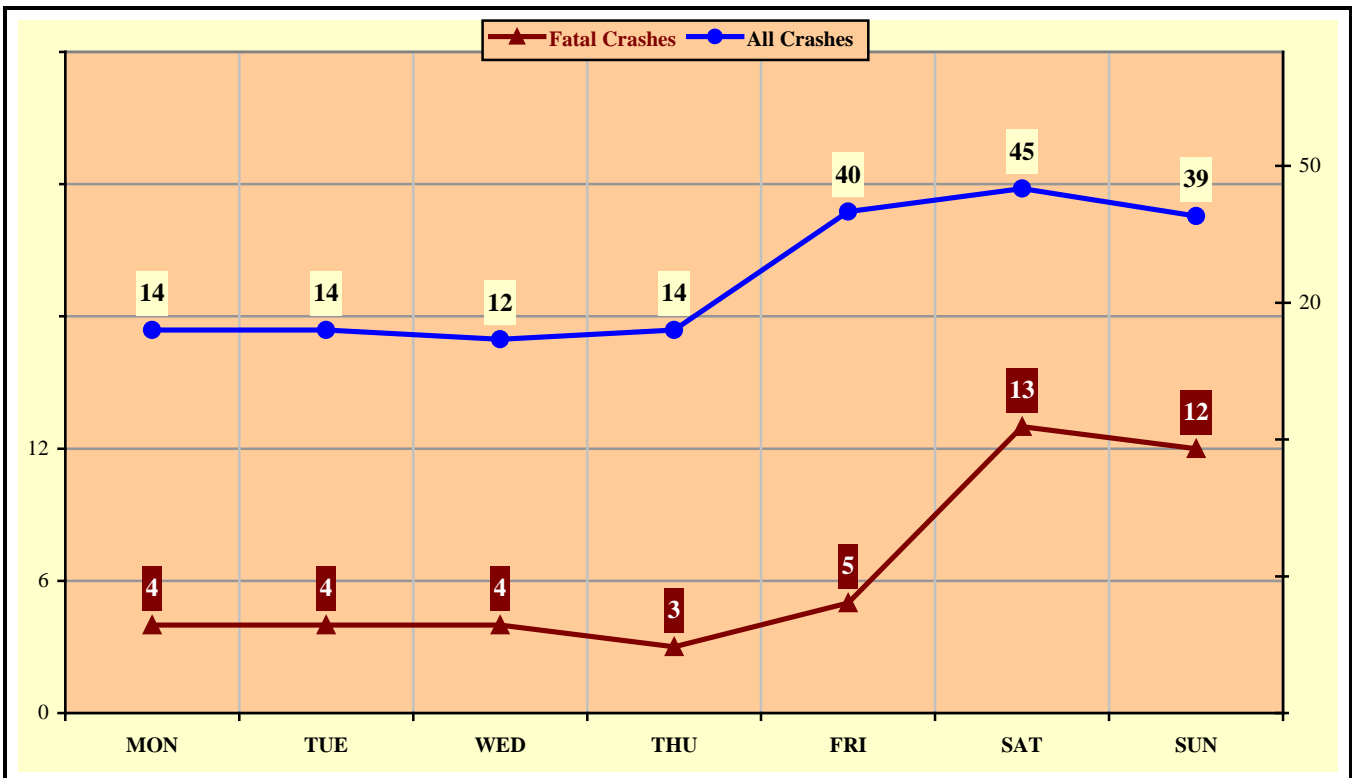


Chart 8 – 8
Alcohol Related MC Crashes vs. Fatal Alcohol Related MC Crashes by Day of Week



Section 8: – Motorcycle (MC) Crashes

Table 8 – 12
MC Crashes by Hour and Day of Week

| Hour Beginning | Total Crashes | | Monday | | Tuesday | | Wednesday | | Thursday | | Friday | | Saturday | | Sunday | | Weekdays | | Weekends | |
|----------------|---------------|------------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|--------------|-----------|------------|-----------|
| | All | Fatal | All | Fatal | All | Fatal | All | Fatal | All | Fatal | All | Fatal | All | Fatal | All | Fatal | All | Fatal | All | Fatal |
| 12:00 AM | 43 | 11 | 4 | 0 | 5 | 1 | 4 | 1 | 7 | 2 | 5 | 2 | 7 | 2 | 11 | 3 | 21 | 6 | 22 | 5 |
| 1:00 AM | 28 | 3 | 4 | 0 | 2 | 0 | 3 | 1 | 1 | 0 | 3 | 0 | 7 | 2 | 8 | 0 | 9 | 1 | 19 | 2 |
| 2:00 AM | 36 | 2 | 1 | 0 | 3 | 0 | 1 | 0 | 4 | 1 | 11 | 0 | 7 | 0 | 9 | 1 | 19 | 1 | 17 | 1 |
| 3:00 AM | 11 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 4 | 1 | 2 | 0 | 3 | 0 | 6 | 1 | 5 | 0 |
| 4:00 AM | 19 | 3 | 7 | 0 | 2 | 1 | 0 | 0 | 2 | 0 | 3 | 0 | 3 | 0 | 2 | 2 | 7 | 1 | 12 | 2 |
| 5:00 AM | 55 | 7 | 8 | 1 | 5 | 0 | 11 | 0 | 13 | 1 | 8 | 1 | 9 | 4 | 1 | 0 | 37 | 2 | 18 | 5 |
| 6:00 AM | 83 | 3 | 10 | 0 | 13 | 1 | 27 | 1 | 15 | 0 | 12 | 1 | 3 | 0 | 3 | 0 | 77 | 3 | 6 | 0 |
| 7:00 AM | 121 | 4 | 15 | 0 | 15 | 0 | 27 | 1 | 30 | 2 | 19 | 1 | 8 | 0 | 7 | 0 | 106 | 4 | 15 | 0 |
| 8:00 AM | 92 | 1 | 8 | 0 | 16 | 0 | 9 | 0 | 16 | 0 | 19 | 0 | 13 | 0 | 11 | 1 | 68 | 0 | 24 | 1 |
| 9:00 AM | 109 | 3 | 9 | 0 | 19 | 1 | 12 | 0 | 16 | 1 | 16 | 0 | 20 | 1 | 17 | 0 | 72 | 2 | 37 | 1 |
| 10:00 AM | 101 | 4 | 13 | 1 | 7 | 0 | 21 | 1 | 15 | 0 | 14 | 1 | 17 | 0 | 14 | 1 | 70 | 3 | 31 | 1 |
| 11:00 AM | 135 | 6 | 19 | 0 | 16 | 0 | 6 | 1 | 18 | 1 | 23 | 1 | 32 | 2 | 21 | 1 | 82 | 3 | 53 | 3 |
| 12:00 PM | 170 | 10 | 19 | 0 | 22 | 0 | 17 | 1 | 24 | 4 | 29 | 2 | 31 | 1 | 28 | 2 | 111 | 7 | 59 | 3 |
| 1:00 PM | 156 | 5 | 21 | 0 | 17 | 1 | 22 | 0 | 18 | 0 | 27 | 1 | 26 | 2 | 25 | 1 | 105 | 2 | 51 | 3 |
| 2:00 PM | 201 | 6 | 26 | 1 | 27 | 0 | 26 | 0 | 26 | 2 | 35 | 1 | 35 | 2 | 26 | 0 | 140 | 4 | 61 | 2 |
| 3:00 PM | 227 | 11 | 33 | 1 | 23 | 2 | 35 | 2 | 40 | 2 | 42 | 1 | 31 | 3 | 23 | 0 | 173 | 8 | 54 | 3 |
| 4:00 PM | 234 | 14 | 33 | 2 | 30 | 2 | 46 | 2 | 30 | 2 | 38 | 2 | 35 | 3 | 22 | 1 | 177 | 10 | 57 | 4 |
| 5:00 PM | 261 | 16 | 34 | 2 | 37 | 1 | 40 | 1 | 49 | 2 | 38 | 5 | 40 | 1 | 23 | 4 | 198 | 11 | 63 | 5 |
| 6:00 PM | 195 | 8 | 26 | 1 | 15 | 0 | 22 | 0 | 25 | 2 | 39 | 1 | 35 | 2 | 33 | 2 | 88 | 3 | 107 | 5 |
| 7:00 PM | 129 | 9 | 8 | 1 | 19 | 1 | 15 | 1 | 18 | 1 | 23 | 0 | 27 | 3 | 19 | 2 | 60 | 4 | 69 | 5 |
| 8:00 PM | 117 | 10 | 9 | 2 | 19 | 1 | 23 | 1 | 17 | 2 | 18 | 0 | 18 | 1 | 13 | 3 | 68 | 6 | 49 | 4 |
| 9:00 PM | 83 | 6 | 10 | 1 | 8 | 0 | 11 | 1 | 5 | 0 | 16 | 1 | 22 | 0 | 11 | 3 | 34 | 2 | 49 | 4 |
| 10:00 PM | 77 | 3 | 5 | 0 | 6 | 1 | 10 | 0 | 14 | 0 | 21 | 2 | 19 | 0 | 2 | 0 | 35 | 1 | 42 | 2 |
| 11:00 PM | 55 | 4 | 3 | 0 | 5 | 0 | 4 | 1 | 5 | 0 | 14 | 0 | 14 | 2 | 10 | 1 | 17 | 1 | 38 | 3 |
| TOTAL | 2,738 | 150 | 325 | 13 | 332 | 13 | 393 | 16 | 408 | 25 | 477 | 24 | 461 | 31 | 342 | 28 | 1,780 | 86 | 958 | 64 |

Crashes during Weekends accounted for 34.99% of all MC crashes and 42.67% of Fatal MC Crashes.

Section 8: – Motorcycle (MC) Crashes

Table 8 – 13

MC Crashes by County

| County | Number of Crashes | | | | Number of Persons | |
|--------------|-------------------|------------|--------------|------------|-------------------|--------------|
| | Total | Fatal | Injury | PDO | Killed | Injured |
| Apache | 8 | 0 | 7 | 1 | 0 | 7 |
| Cochise | 34 | 4 | 25 | 5 | 4 | 28 |
| Coconino | 65 | 3 | 51 | 11 | 3 | 59 |
| Gila | 40 | 5 | 30 | 5 | 5 | 30 |
| Graham | 16 | 2 | 13 | 1 | 2 | 14 |
| Greenlee | 13 | 0 | 12 | 1 | 0 | 12 |
| La Paz | 6 | 1 | 5 | 0 | 1 | 7 |
| Maricopa | 1,781 | 85 | 1,345 | 351 | 83 | 1,411 |
| Mohave | 128 | 9 | 97 | 22 | 9 | 109 |
| Navajo | 18 | 3 | 14 | 1 | 3 | 16 |
| Pima | 299 | 17 | 249 | 33 | 17 | 264 |
| Pinal | 113 | 8 | 81 | 24 | 9 | 92 |
| Santa Cruz | 4 | 0 | 4 | 0 | 0 | 4 |
| Yavapai | 152 | 7 | 131 | 14 | 8 | 145 |
| Yuma | 61 | 6 | 46 | 9 | 6 | 50 |
| TOTAL | 2,738 | 150 | 2,110 | 478 | 150 | 2,248 |

Table 8 – 14

Manner of Collision in MC Crashes

| Manner of Collision Type | Number of Crashes | | | | | | | |
|---|-------------------|------------------------|-----------|--------------------------|--------------|---------------------------|------------|------------------------|
| | Total | Percent of All Crashes | Fatal | Percent of Fatal Crashes | Injury | Percent of Injury Crashes | PDO | Percent of PDO Crashes |
| Angle | 272 | 15.90% | 13 | 13.68% | 215 | 17.58% | 44 | 11.20% |
| Left Turn | 450 | 26.30% | 38 | 40.00% | 358 | 29.27% | 54 | 13.74% |
| Rear End | 534 | 31.21% | 11 | 11.58% | 362 | 29.60% | 161 | 40.97% |
| Head-On | 47 | 2.75% | 3 | 3.16% | 36 | 2.94% | 8 | 2.04% |
| Sideswipe (same) | 260 | 15.20% | 6 | 6.32% | 167 | 13.65% | 87 | 22.14% |
| Sideswipe (opposite) | 30 | 1.75% | 3 | 3.16% | 14 | 1.14% | 13 | 3.31% |
| U-Turn | 6 | 0.35% | 1 | 1.05% | 3 | 0.25% | 2 | 0.51% |
| Other* | 95 | 5.55% | 15 | 15.79% | 62 | 5.07% | 18 | 4.58% |
| Unknown | 17 | 0.99% | 5 | 5.26% | 6 | 0.49% | 6 | 1.53% |
| TOTAL | 1,711 | 100.00% | 95 | 100.00% | 1,223 | 100.00% | 393 | 100.00% |
| Note: Includes only multi-vehicle MC crashes | | | | | | | | |
| *Other includes pedestrian and pedalcyclist crashes | | | | | | | | |

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