

# **ARIZONA**

## **MOTOR VEHICLE CRASH FACTS**

### **2023**





# 2023 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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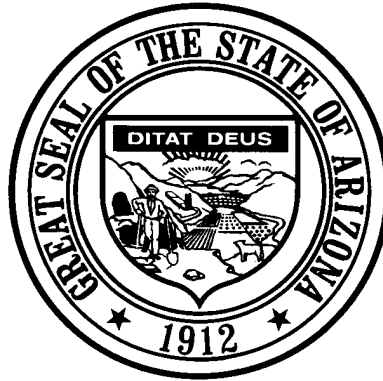
This publication is an annual statistical review of the motor vehicle crashes in the State of Arizona for the calendar year 2023. The results are compiled from Arizona Traffic Crash Reports submitted to the Arizona Department of Transportation by state, county, city, tribal, and other law enforcement agencies. Specific inquiries regarding the data in this report should be directed to:

**The Arizona Department of Transportation  
Transportation Systems Management and Operations  
Traffic Safety Section  
1615 West Jackson Street  
Phoenix, AZ 85007**

**E-mail: [azcrashfacts@azdot.gov](mailto:azcrashfacts@azdot.gov)**

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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## 2023 Arizona Crash Facts Summary

### BREAKDOWN OF ALL CRASHES IN ARIZONA

TOTAL	122,247
FATAL	1,197
INJURY	37,075
PROPERTY DAMAGE ONLY	83,975
URBAN	105,356
RURAL	16,891
ALCOHOL RELATED	5,761
PEDESTRIAN	1,882
BICYCLE	1,139
MOTORCYCLE	3,165
SINGLE VEHICLE	19,282
MULTI-UNIT	102,965

### BREAKDOWN OF FATAL CRASHES IN ARIZONA

TOTAL	1,197
ALCOHOL RELATED	308
URBAN	802
RURAL	395
SINGLE VEHICLE	320
MULTI-UNIT	877
ALCOHOL RELATED SINGLE VEHICLE	84
ALCOHOL RELATED MULTI-UNIT	224

### BREAKDOWN OF PERSONS KILLED AND INJURED

TYPE	KILLED	INJURED
IN ALL CRASHES	1,307	54,198
IN ALCOHOL RELATED CRASHES	332	3,864
IN URBAN CRASHES	853	46,074
IN RURAL CRASHES	454	8,124
IN SPEED RELATED CRASHES*	446	20,682
IN LANE DEPARTURE CRASHES	823	16,547
IN CRASHES ON THE STATE HIGHWAY SYSTEM	479	17,401
IN CRASHES ON LOCAL ROADS	828	36,797
USING SAFETY DEVICE	415	43,844
NOT USING SAFETY DEVICE	361	3,239
DRIVERS AGE 24 OR YOUNGER	134	8,364
DRINKING DRIVERS AGE 24 OR YOUNGER	32	401

### BREAKDOWN OF CRASHES BY TIME

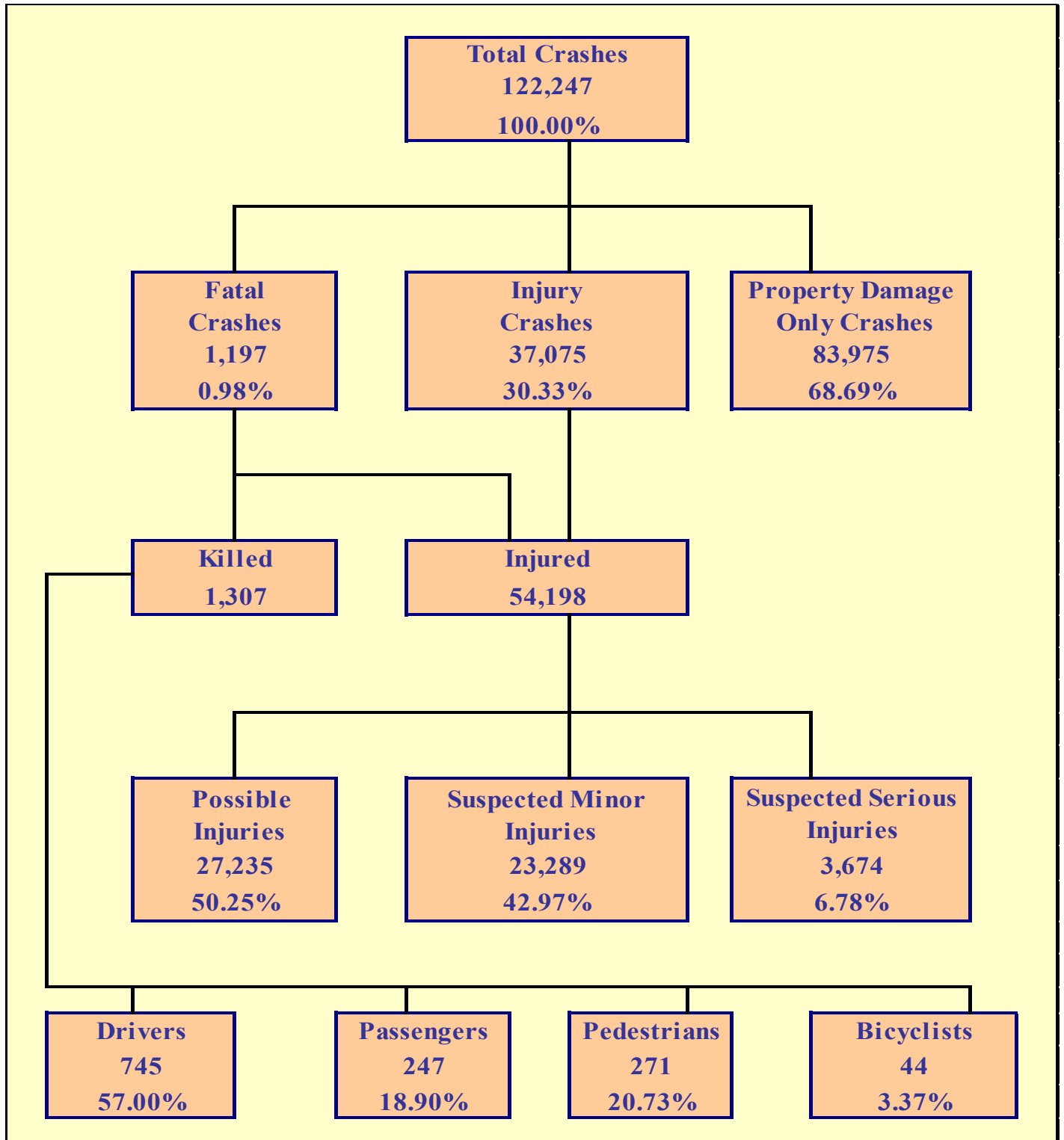
PEAK MONTH FOR ALL CRASHES	MARCH
PEAK DAY FOR ALL CRASHES	FRIDAY
PEAK HOUR FOR ALL CRASHES	3 PM - 4 PM
PEAK MONTH FOR FATAL CRASHES	OCTOBER
PEAK DAY FOR FATAL CRASHES	SATURDAY
PEAK HOUR FOR FATAL CRASHES	6 PM - 7 PM
PEAK DATE FOR ALL CRASHES IN 2023	FRIDAY DECEMBER 22ND (567 CRASHES)
PEAK DATE FOR FATAL CRASHES IN 2023	SATURDAY FEBRUARY 11TH (12 CRASHES)
PEAK HOUR FOR MOTORCYCLE CRASHES	5 PM - 6 PM
PEAK HOUR FOR ALCOHOL RELATED CRASHES	2 AM - 3 AM
PEAK HOUR FOR PEDESTRIAN CRASHES	6 PM - 7 PM
PEAK HOUR FOR BICYCLE CRASHES	7 AM - 8 AM

\*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.

## 2023 Arizona Crash Facts Summary

### Fatalities in Arizona since 1925

Year	Total Fatalities	Year	Total Fatalities
1925	76	1975	670
1926	120	1976	739
1927	147	1977	933
1928	130	1978	1,027
1929	157	1979	1,029
1930	190	1980	947
1931	159	1981	916
1932	166	1982	724
1933	154	1983	675
1934	205	1984	869
1935	217	1985	893
1936	244	1986	1,007
1937	258	1987	939
1938	200	1988	944
1939	215	1989	879
1940	228	1990	869
1941	272	1991	816
1942	230	1992	811
1943	168	1993	799
1944	180	1994	904
1945	283	1995	1,035
1946	236	1996	997
1947	256	1997	950
1948	301	1998	981
1949	281	1999	1,028
1950	325	2000	1,037
1951	415	2001	1,057
1952	396	2002	1,132
1953	397	2003	1,125
1954	402	2004	1,159
1955	358	2005	1,193
1956	486	2006	1,301
1957	461	2007	1,071
1958	509	2008	938
1959	517	2009	806
1960	513	2010	759
1961	510	2011	827
1962	510	2012	821
1963	513	2013	849
1964	588	2014	774
1965	550	2015	897
1966	643	2016	952
1967	574	2017	998
1968	695	2018	1,011
1969	750	2019	980
1970	762	2020	1,054
1971	755	2021	1,194
1972	812	2022	1,320
1973	975	2023	1,307
1974	751		



## Section 1: – Highlights and Historical Trends

Table 1 – 1

### Arizona Crash Facts Summary and Comparison

Category	2022	2023	Percent Change
<b>Total Crashes</b>	120,356	122,247	1.57%
<b>Total Fatalities</b>	1,320	1,307	-0.98%
<b>Total Injuries</b>	52,575	54,198	3.09%
<b>Alcohol Related Fatalities</b>	312	332	6.41%
<b>Alcohol Related Injuries</b>	3,592	3,864	7.57%
<b>Urban Fatalities</b>	843	853	1.19%
<b>Urban Injuries</b>	44,733	46,074	3.00%
<b>Rural Fatalities</b>	477	454	-4.82%
<b>Rural Injuries</b>	7,842	8,124	3.60%
<b>MC Operator and Passenger Fatalities</b>	232	258	11.21%
<b>MC Operator and Passenger Injuries</b>	2,422	2,571	6.15%
<b>Pedestrian Fatalities</b>	309	271	-12.30%
<b>Pedestrian Injuries</b>	1,673	1,710	2.21%
<b>Bicyclist Fatalities</b>	49	44	-10.20%
<b>Bicyclist Injuries</b>	1,133	1,128	-0.44%
<b>Millions of vehicle miles traveled (VMT)</b>	76,165	75,438	-0.95%
<b>Fatalities per 100 million VMT</b>	1.73	1.73	-0.03%
<b>Injuries per 100 million VMT</b>	69.03	71.84	4.08%

### Arizona at a Glance – 2023

- Approximately **3.58** persons were killed each day.
- One person was killed every **6** hours and **42** minutes.
- There were **148** persons injured every day.
- One person was injured every **9** minutes and **42** seconds.
- Alcohol Related crashes accounted for **4.71%** of all crashes and **25.73%** of all fatal crashes.
- Crashes where overturning was the first harmful event accounted for **1.88%** of all crashes and **9.19%** of fatal crashes.
- Single vehicle crashes accounted for **15.77%** of all crashes and **26.73%** of all fatal crashes.
- Of all Pedestrian crashes, **14.40%** were fatal while **3.78%** of Bicycle crashes were fatal.
- Crashes which occurred during daylight hours (6:00 a.m. to 6:00 p.m.) accounted for **70.3%** of all crashes.
- Motor vehicle crashes resulted in **\$21.638** billion in economic losses to Arizona.
- Children age 14 and younger accounted for **36** fatalities and **3,077** 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
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	50,092	4,736,517	4,969,620
2013	107,576	782	34,137	72,657	849	50,440	4,826,903	5,130,780
2014	109,883	709	34,589	74,585	774	51,114	4,922,676	5,300,980
2015	117,121	811	36,371	79,939	897	53,922	5,025,811	5,487,058
2016	127,345	856	38,776	87,713	952	57,003	5,135,262	5,677,208
2017	127,858	917	38,103	88,838	998	55,938	5,221,403	5,843,368
2018	127,749	918	36,711	90,120	1,011	53,681	5,308,307	6,009,850
2019	131,342	909	37,431	93,002	980	54,528	5,375,341	6,167,481
2020	99,121	967	28,737	69,417	1,054	41,561	5,772,928	6,356,220
2021	121,618	1,078	35,303	85,237	1,194	51,785	5,808,545	6,468,399
2022	120,356	1,200	35,987	83,169	1,320	52,575	5,806,528	6,701,468
2023	122,247	1,197	37,075	83,975	1,307	54,198	5,882,804	6,698,633

**Table 1 – 3**  
**Historical Trends – VMT and Rates**

Calendar Year	Arizona Fatality Rate	Arizona Injury Rate (all injury types)	Arizona Traffic Fatalities	Estimated Motor Vehicle Miles Traveled	Arizona Suspected Serious Injury Rate
2019	1.39	77.59	980	70,281	5.18
2020	1.61	63.38	1,054	65,574	4.74
2021	1.62	70.21	1,194	73,760	5.24
2022	1.73	69.03	1,320	76,165	4.97
2023	1.73	71.84	1,307	75,438	4.87

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	\$12,436,589,897
Suspected Serious Injuries	\$2,022,533,326
Suspected Minor Injuries	\$3,473,135,148
Possible Injuries	\$2,809,154,075
Property Damage Only	\$896,853,000
<b>TOTAL</b>	<b>\$21,638,265,446</b>

Table 1 – 4

**Estimated Economic Loss by County**

County	Cost of Traffic Crashes			
	Fatalities	Injuries	PDO	Total
Apache	\$ 218,853,533	\$ 39,223,977	\$ 2,926,320	\$ 261,003,830
Cochise	\$ 314,007,243	\$ 117,259,846	\$ 10,722,720	\$ 441,989,809
Coconino	\$ 542,376,147	\$ 235,534,179	\$ 27,906,840	\$ 805,817,166
Gila	\$ 161,761,307	\$ 80,402,371	\$ 6,931,320	\$ 249,094,998
Graham	\$ 104,669,081	\$ 26,755,518	\$ 2,168,040	\$ 133,592,639
Greenlee	\$ 28,546,113	\$ 10,758,123	\$ 758,280	\$ 40,062,516
La Paz	\$ 209,338,162	\$ 44,797,422	\$ 2,969,040	\$ 257,104,624
Maricopa	\$ 6,479,967,651	\$ 5,421,649,548	\$ 652,911,120	\$ 12,554,528,319
Mohave	\$ 723,168,196	\$ 284,658,742	\$ 25,236,840	\$ 1,033,063,778
Navajo	\$ 380,614,840	\$ 101,180,849	\$ 10,316,880	\$ 492,112,569
Pima	\$ 1,760,343,635	\$ 878,142,378	\$ 66,952,920	\$ 2,705,438,933
Pinal	\$ 713,652,825	\$ 471,941,316	\$ 38,757,720	\$ 1,224,351,861
Santa Cruz	\$ 76,122,968	\$ 29,288,156	\$ 3,524,400	\$ 108,935,524
Yavapai	\$ 456,737,808	\$ 321,242,261	\$ 27,896,160	\$ 805,876,229
Yuma	\$ 266,430,388	\$ 241,987,863	\$ 16,874,400	\$ 525,292,651
<b>TOTALS</b>	<b>\$ 12,436,589,897</b>	<b>\$ 8,304,822,549</b>	<b>\$ 896,853,000</b>	<b>\$ 21,638,265,446</b>

Table 1 – 5

**State Adjusted Crash Costs**

1.	Fatality	\$9,515,371
2.	Suspected Serious Injury	\$550,499
3.	Suspected Minor Injury	\$149,132
4.	Possible Injury	\$103,145
5.	Property Damage Only	\$10,680

Source: [www.safety.fhwa.dot.gov/hsip/docs/fhwasa17071.pdf](http://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

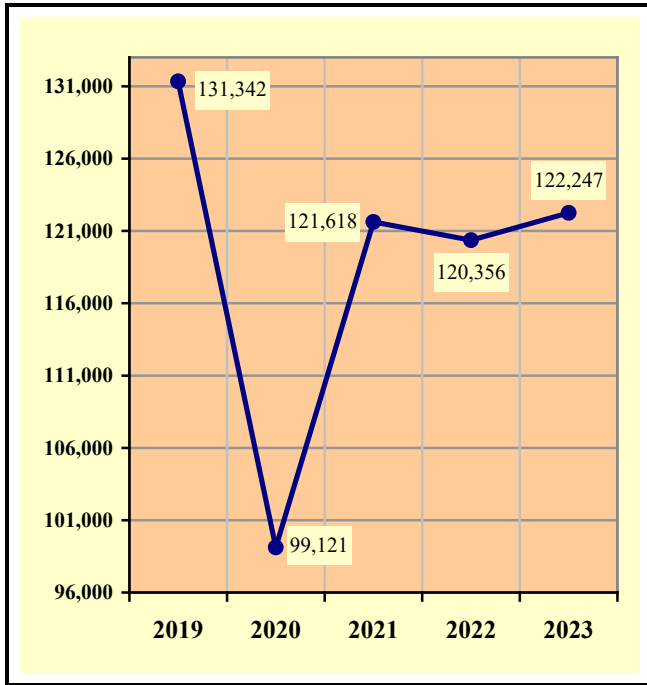


Chart 1 – 2  
Fatal Crashes

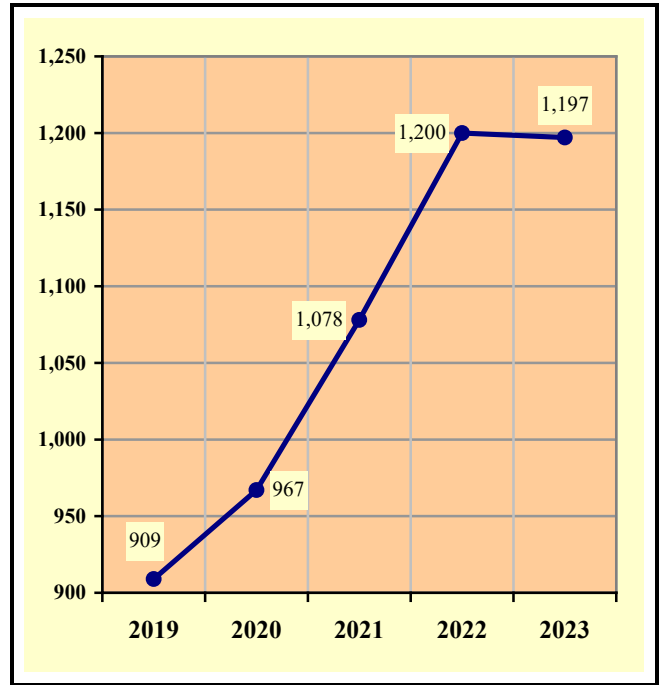


Chart 1 – 3  
Injury Crashes

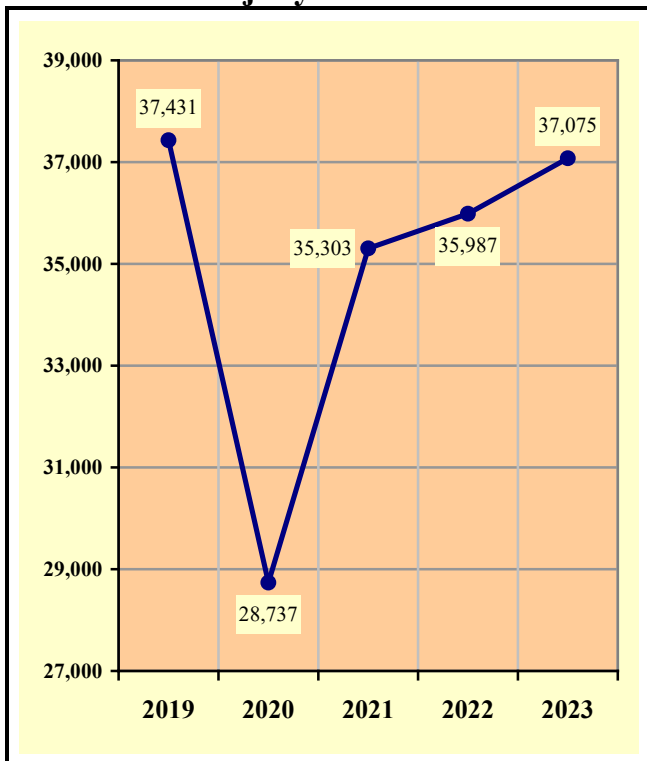
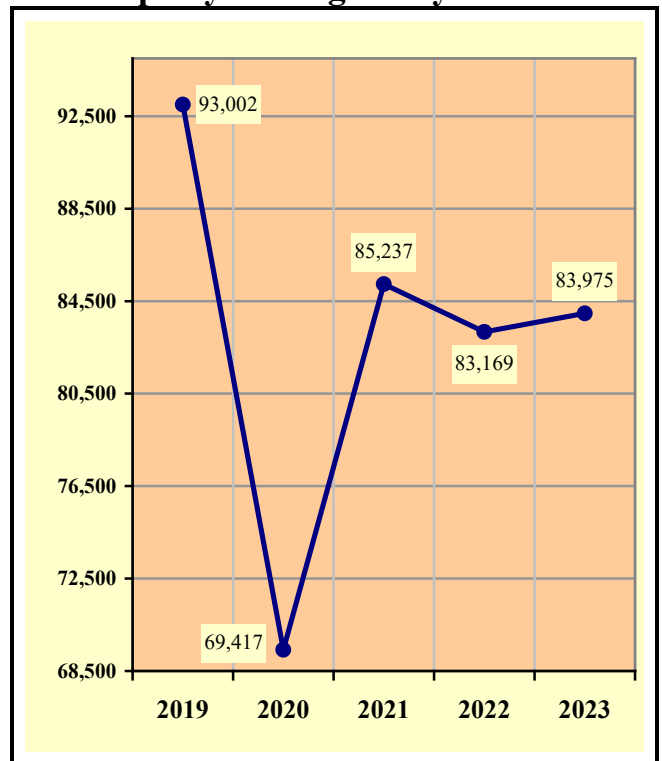


Chart 1 – 4  
Property Damage Only Crashes



## Section 1: – Highlights and Historical Trends

Table 1 – 6

### Victims of Motor Vehicle Crashes

Age of Victim	Persons Killed			Persons Injured			
	Total	Male	Female	Total	Male	Female	Gender Unknown
<b>0-4</b>	5	2	3	679	352	327	0
<b>5-9</b>	6	6	0	1,041	502	539	0
<b>10-14</b>	25	14	11	1,357	650	707	0
<b>15-19</b>	76	48	28	5,419	2,803	2,616	0
<b>20-24</b>	128	97	31	6,776	3,418	3,358	0
<b>25-34</b>	245	187	58	10,994	5,744	5,250	0
<b>35-44</b>	206	151	55	8,290	4,270	4,020	0
<b>45-54</b>	162	121	41	6,760	3,371	3,389	0
<b>55-64</b>	181	152	29	5,988	3,086	2,902	0
<b>65-74</b>	135	99	36	3,987	1,908	2,079	0
<b>75 &amp; Older</b>	131	83	48	2,477	1,185	1,292	0
<b>Unknown</b>	7	3	4	430	184	163	83
<b>TOTAL</b>	<b>1,307</b>	<b>963</b>	<b>344</b>	<b>54,198</b>	<b>27,473</b>	<b>26,642</b>	<b>83</b>

Table 1 – 7

### Suspected Serious Injuries by Person Type 2019-2023

Year	Drivers	Passengers	Pedestrians	Bicyclists	Total
<b>2019</b>	2,330	792	367	152	<b>3,641</b>
<b>2020</b>	1,994	681	311	123	<b>3,109</b>
<b>2021</b>	2,418	902	404	138	<b>3,862</b>
<b>2022</b>	2,402	815	431	140	<b>3,788</b>
<b>2023</b>	2,379	767	380	148	<b>3,674</b>
<b>TOTAL</b>	<b>11,523</b>	<b>3,957</b>	<b>1,893</b>	<b>701</b>	<b>18,074</b>

Table 1 – 8

### Young drivers (age 15-24) killed in crashes 2019-2023

Year	Age of Driver										Total
	15	16	17	18	19	20	21	22	23	24	
<b>2019</b>	0	6	4	9	9	11	13	12	9	9	<b>82</b>
<b>2020</b>	2	6	9	6	12	14	12	12	14	10	<b>97</b>
<b>2021</b>	1	3	7	14	8	13	18	16	26	12	<b>118</b>
<b>2022</b>	1	4	7	13	21	17	11	11	12	13	<b>110</b>
<b>2023</b>	1	3	9	16	23	19	12	13	20	17	<b>133</b>
<b>TOTAL</b>	<b>5</b>	<b>22</b>	<b>36</b>	<b>58</b>	<b>73</b>	<b>74</b>	<b>66</b>	<b>64</b>	<b>81</b>	<b>61</b>	<b>540</b>



## Section 1: – Highlights and Historical Trends

Chart 1 – 5

State Highway System (SHS) vs Local Road Fatalities

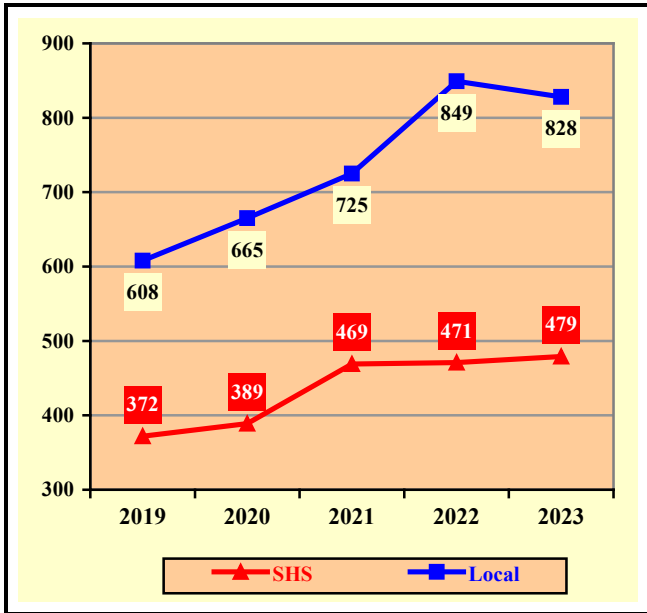


Chart 1 – 6

Arizona Fatality Rate vs. Injury Rate



Chart 1 – 7

Traffic Fatalities by Geographic Region

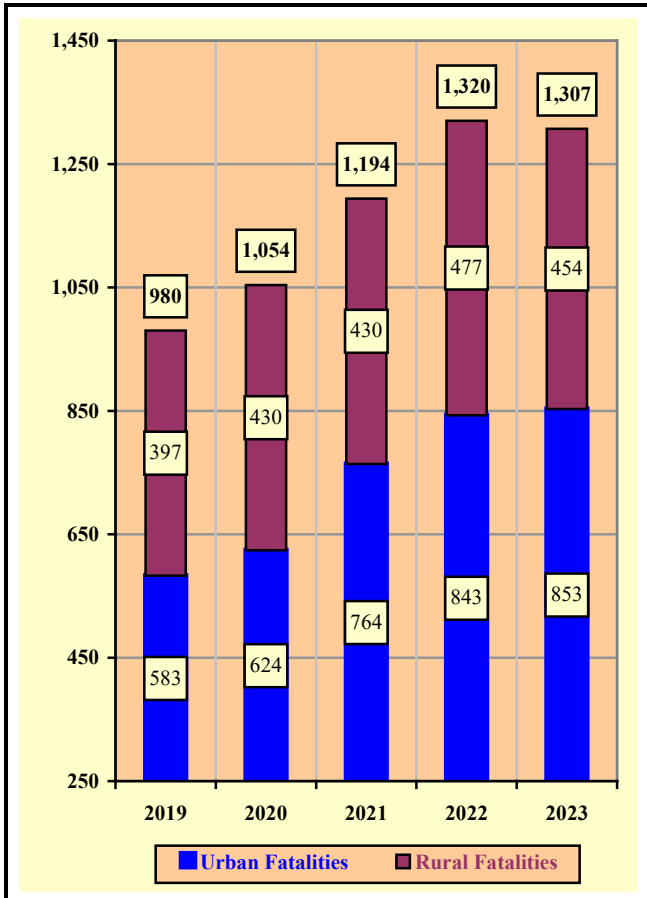
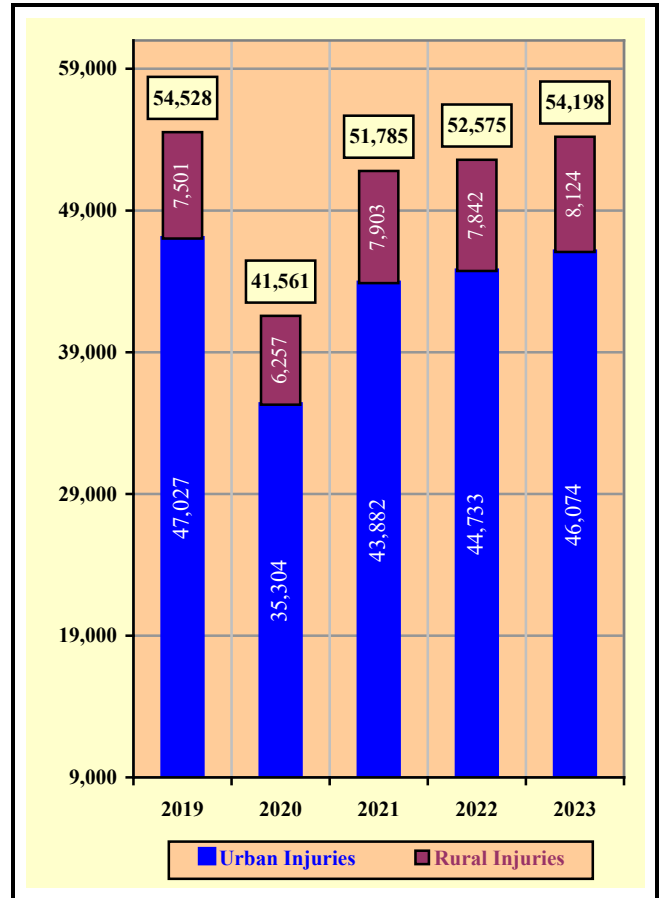


Chart 1 – 8

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.

2023 Holidays	Beginning at 6:00 p.m.	Ending at 5:59 a.m.	Days Counted for Holiday Period	Fatal Crashes	Persons Killed	Alcohol Related Fatal Crashes	Alcohol Related Fatalities
New Year’s Day	Friday	Tuesday	4	13	14	5	5
	12/30/2022	1/3/2023					
Memorial Day	Friday	Tuesday	4	14	15	4	4
	5/26/2023	5/30/2023					
July 4th	Monday	Wednesday	2	6	8	3	5
	7/3/2023	7/5/2023					
Labor Day	Friday	Tuesday	4	15	18	6	6
	9/1/2023	9/5/2023					
Thanksgiving Day	Wednesday	Monday	5	14	15	3	4
	11/22/2023	11/27/2023					
Christmas Day	Friday	Tuesday	4	9	9	4	4
	12/22/2023	12/26/2023					

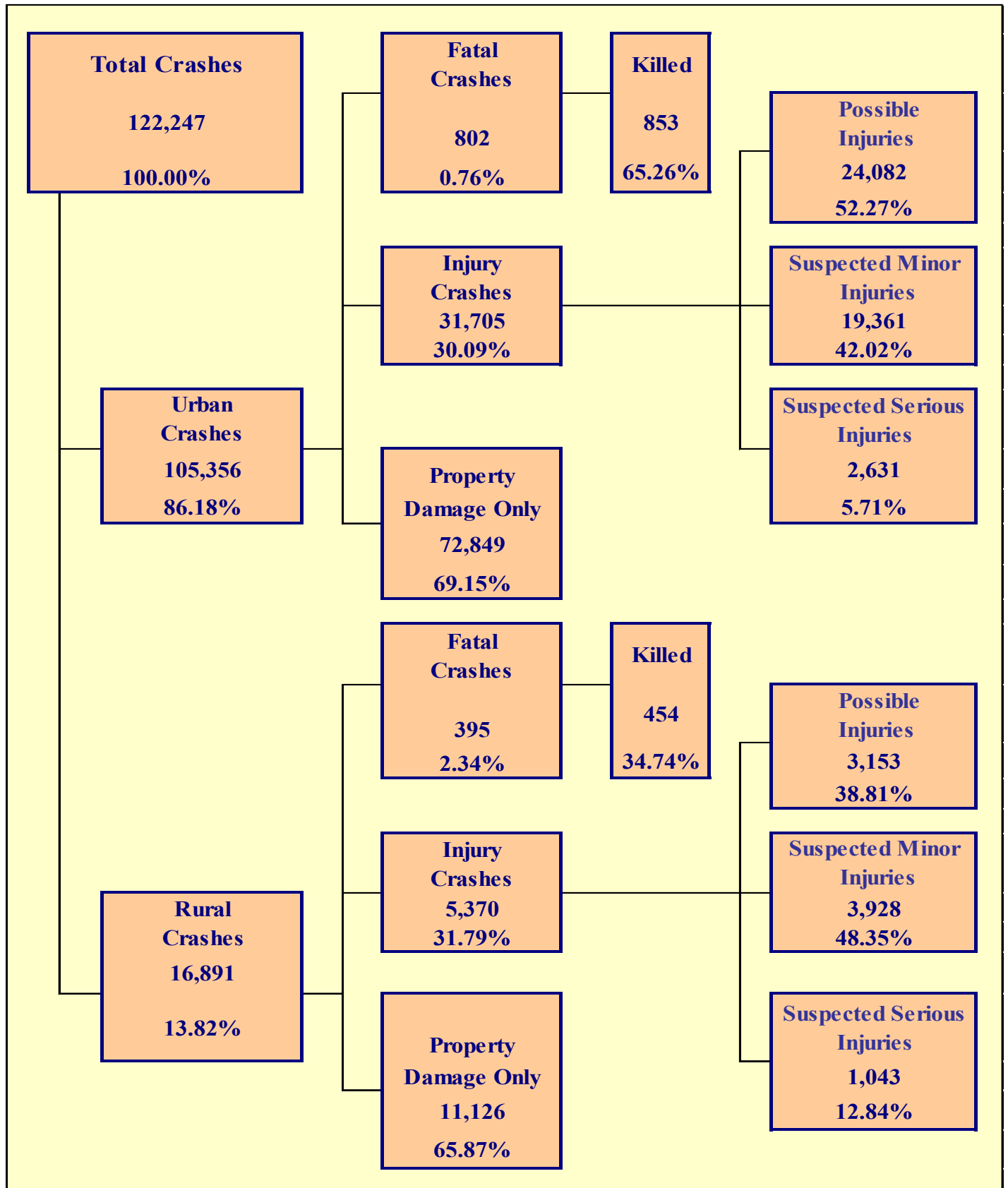
Fatal Crashes by Year	New Year’s Day	Memorial Day	July 4th	Labor Day	Thanksgiving	Christmas Day	Total
2019	8	13	13	12	11	2	59
2020	2	11	9	10	12	10	54
2021	10	10	7	14	15	12	68
2022	12	11	11	13	16	10	73
2023	13	14	6	15	14	9	71

Persons Killed	New Year’s Day	Memorial Day	July 4th	Labor Day	Thanksgiving	Christmas Day	Total
2019	9	13	14	12	11	2	61
2020	2	11	9	10	12	14	58
2021	10	14	8	14	18	12	76
2022	14	11	12	13	16	10	76
2023	14	15	8	18	15	9	79

Days Counted for Holiday Period	New Year’s Day	Memorial Day	July 4th	Labor Day	Thanksgiving	Christmas Day	Total
2019	5	4	5	4	5	2	25
2020	2	4	4	4	5	4	23
2021	4	4	4	4	5	4	25
2022	4	4	4	4	5	4	25
2023	4	4	2	4	5	4	23

## Section 2

## Geographic Location



## Section 2: – Geographic Location

*Fatal Crashes in Arizona (1,197) accounted for 0.98% of all crashes, Injury Crashes (37,075) accounted for 30.33%, and Property Damage Only (PDO) Crashes (83,975) accounted for 68.69%.*

**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	94,385	538	27,940	65,907	613	43,297
Overtuning	2,304	110	1,421	773	121	1,890
Collision with Pedestrian	1,805	254	1,551	0	256	1,678
Collision with Bicyclist	1,130	41	1,089	0	42	1,139
Collision with Animal	2,014	4	241	1,769	4	291
Collision with Fixed Object	12,917	204	3,732	8,981	223	4,563
Collision with Non-fixed Object*	7,245	17	1,066	6,162	19	1,300
Vehicle Fire or Explosion	394	1	22	371	1	26
Other Non-collision**	27	4	11	12	4	11
Unknown	26	24	2	0	24	3
<b>TOTAL</b>	<b>122,247</b>	<b>1,197</b>	<b>37,075</b>	<b>83,975</b>	<b>1,307</b>	<b>54,198</b>
*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	427	21	132	274	23	210
Cochise	1,466	24	438	1,004	33	641
Coconino	3,594	52	929	2,613	57	1,383
Gila	971	16	306	649	17	446
Graham	297	6	88	203	11	135
Greenlee	110	3	36	71	3	48
La Paz	435	17	140	278	22	231
Maricopa	87,237	647	25,456	61,134	681	37,047
Mohave	3,480	67	1,050	2,363	76	1,517
Navajo	1,383	32	385	966	40	595
Pima	10,263	168	3,826	6,269	185	5,616
Pinal	5,633	70	1,934	3,629	75	2,919
Santa Cruz	450	5	115	330	8	160
Yavapai	3,883	43	1,228	2,612	48	1,735
Yuma	2,618	26	1,012	1,580	28	1,515
<b>TOTAL</b>	<b>122,247</b>	<b>1,197</b>	<b>37,075</b>	<b>83,975</b>	<b>1,307</b>	<b>54,198</b>

## 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	85,991	368	25,186	60,437	401	38,533
Overturning	790	34	526	230	36	638
Collision with Pedestrian	1,696	221	1,475	0	222	1,599
Collision with Bicyclist	1,047	34	1,013	0	35	1,055
Collision with Animal	446	0	50	396	0	58
Collision with Fixed Object	9,488	120	2,656	6,712	134	3,238
Collision with Non-fixed Object*	5,751	10	790	4,951	10	943
Vehicle Fire or Explosion	124	1	7	116	1	8
Other Non-collision**	10	1	2	7	1	2
Unknown	13	13	0	0	13	0
<b>TOTAL</b>	<b>105,356</b>	<b>802</b>	<b>31,705</b>	<b>72,849</b>	<b>853</b>	<b>46,074</b>
*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	8,394	170	2,754	5,470	212	4,764
Overturning	1,514	76	895	543	85	1,252
Collision with Pedestrian	109	33	76	0	34	79
Collision with Bicyclist	83	7	76	0	7	84
Collision with Animal	1,568	4	191	1,373	4	233
Collision with Fixed Object	3,429	84	1,076	2,269	89	1,325
Collision with Non-fixed Object*	1,494	7	276	1,211	9	357
Vehicle Fire or Explosion	270	0	15	255	0	18
Other Non-collision**	17	3	9	5	3	9
Unknown	13	11	2	0	11	3
<b>TOTAL</b>	<b>16,891</b>	<b>395</b>	<b>5,370</b>	<b>11,126</b>	<b>454</b>	<b>8,124</b>
*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 (105,356) accounted for 86.18% of all crashes, they accounted for 67.00% of all Fatal Crashes (802) occurring in 2023.*

*While Rural Crashes in Arizona (16,891) accounted for 13.82% of all crashes, they accounted for 33.00% of all Fatal Crashes (395) occurring in 2023.*

## 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	392	19	120	253	21	187	23	3	24
Eagar	11	1	4	6	1	8	0	0	0
Springerville	9	0	4	5	0	6	1	0	1
St. Johns	15	1	4	10	1	9	3	0	6
<b>TOTAL</b>	<b>427</b>	<b>21</b>	<b>132</b>	<b>274</b>	<b>23</b>	<b>210</b>	<b>27</b>	<b>3</b>	<b>31</b>

Cochise County	700	16	208	476	21	314	23	1	22
Benson	136	4	33	99	7	47	4	1	5
Bisbee	4	0	0	4	0	0	0	0	0
Douglas	116	2	41	73	3	59	5	0	2
Huachuca City	7	0	3	4	0	6	1	0	0
Sierra Vista	485	2	148	335	2	206	21	0	15
Tombstone	5	0	2	3	0	3	0	0	0
Willcox	13	0	3	10	0	6	1	0	0
<b>TOTAL</b>	<b>1,466</b>	<b>24</b>	<b>438</b>	<b>1,004</b>	<b>33</b>	<b>641</b>	<b>55</b>	<b>2</b>	<b>44</b>

Coconino County	1,612	40	431	1,141	42	656	96	9	85
Flagstaff	1,720	7	444	1,269	9	645	102	2	79
Fredonia	4	0	1	3	0	1	0	0	0
Williams	88	4	16	68	5	28	7	0	2
Page	89	1	21	67	1	30	17	0	7
Sedona	81	0	16	65	0	23	3	0	2
<b>TOTAL</b>	<b>3,594</b>	<b>52</b>	<b>929</b>	<b>2,613</b>	<b>57</b>	<b>1,383</b>	<b>225</b>	<b>11</b>	<b>175</b>

Gila County	563	13	177	373	14	253	45	4	34
Globe	161	3	48	110	3	77	15	2	16
Hayden	2	0	1	1	0	1	1	0	1
Miami	24	0	8	16	0	10	2	0	0
Payson	221	0	72	149	0	105	12	0	8
Winkelman	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>971</b>	<b>16</b>	<b>306</b>	<b>649</b>	<b>17</b>	<b>446</b>	<b>75</b>	<b>6</b>	<b>59</b>

Graham County	145	6	47	92	11	73	12	0	11
Pima	7	0	4	3	0	6	0	0	0
Safford	88	0	19	69	0	30	7	0	2
Thatcher	57	0	18	39	0	26	5	0	3
<b>TOTAL</b>	<b>297</b>	<b>6</b>	<b>88</b>	<b>203</b>	<b>11</b>	<b>135</b>	<b>24</b>	<b>0</b>	<b>16</b>

Greenlee County	99	3	34	62	3	46	10	0	9
Clifton	6	0	2	4	0	2	1	0	1
Duncan	5	0	0	5	0	0	1	0	0
<b>TOTAL</b>	<b>110</b>	<b>3</b>	<b>36</b>	<b>71</b>	<b>3</b>	<b>48</b>	<b>12</b>	<b>0</b>	<b>10</b>

## 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	344	11	111	222	16	177	15	1	7
Parker	39	4	12	23	4	30	4	2	6
Quartzite	52	2	17	33	2	24	0	0	0
<b>TOTAL</b>	<b>435</b>	<b>17</b>	<b>140</b>	<b>278</b>	<b>22</b>	<b>231</b>	<b>19</b>	<b>3</b>	<b>13</b>

Maricopa County	7,323	114	2,494	4,715	125	3,752	331	35	265
Apache Junction	18	0	6	12	0	9	0	0	0
Avondale	1,808	8	497	1,303	8	720	61	2	39
Buckeye	1,011	6	289	716	6	451	51	3	25
Cave Creek	68	0	16	52	0	19	4	0	2
Chandler	4,340	18	1,263	3,059	18	1,814	228	5	134
El Mirage	347	0	109	238	0	168	20	0	27
Gila Bend	51	1	11	39	2	28	1	0	0
Gilbert	2,826	13	630	2,183	13	901	129	1	64
Glendale	5,150	38	1,496	3,616	40	2,242	212	12	121
Goodyear	1,710	16	531	1,163	19	779	87	7	53
Mesa	7,534	49	2,222	5,263	54	3,150	357	15	223
Paradise Valley	113	0	27	86	0	37	12	0	4
Peoria	3,030	17	1,034	1,979	17	1,508	156	6	116
Phoenix	36,927	298	10,300	26,329	307	14,922	1,354	109	842
Scottsdale	4,093	16	1,276	2,801	17	1,878	263	5	179
Surprise	2,104	15	573	1,516	16	829	85	4	53
Tempe	7,299	29	2,230	5,040	30	3,199	319	12	192
Tolleson	395	2	122	271	2	191	6	0	3
Wickenburg	164	0	30	134	0	37	4	0	1
Youngtown	47	0	16	31	0	20	7	0	5
Guadalupe	183	2	57	124	2	78	7	0	4
Litchfield Park	51	0	16	35	0	21	7	0	5
Queen Creek	457	4	143	310	4	203	15	2	10
Fountain Hills	147	0	49	98	0	66	11	0	4
Carefree	41	1	19	21	1	25	5	0	4
<b>TOTAL</b>	<b>87,237</b>	<b>647</b>	<b>25,456</b>	<b>61,134</b>	<b>681</b>	<b>37,047</b>	<b>3,732</b>	<b>218</b>	<b>2,375</b>

Mohave County	1,576	45	508	1,023	51	790	93	6	80
Kingman	663	5	168	490	6	231	28	1	11
Lake Havasu City	566	6	166	394	7	208	48	0	37
Bullhead City	654	11	197	446	12	274	55	2	25
Colorado City	21	0	11	10	0	14	5	0	4
<b>TOTAL</b>	<b>3,480</b>	<b>67</b>	<b>1,050</b>	<b>2,363</b>	<b>76</b>	<b>1,517</b>	<b>229</b>	<b>9</b>	<b>157</b>

*Crashes in Maricopa County accounted for 71.36% of all crashes and 54.05% 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
<b>Navajo County</b>	677	26	197	454	34	313	44	6	46
Holbrook	44	0	13	31	0	20	4	0	1
Show Low	349	2	86	261	2	137	19	0	14
Snowflake	68	4	23	41	4	39	7	2	7
Taylor	44	0	11	33	0	13	3	0	1
Winslow	75	0	16	59	0	18	6	0	3
Pinetop-Lakeside	126	0	39	87	0	55	12	0	6
<b>TOTAL</b>	<b>1,383</b>	<b>32</b>	<b>385</b>	<b>966</b>	<b>40</b>	<b>595</b>	<b>95</b>	<b>8</b>	<b>78</b>
<b>Pima County</b>	2,311	60	725	1,526	67	1,078	143	13	92
South Tucson	61	1	22	38	1	34	1	0	1
Tucson	6,126	95	2,570	3,461	102	3,749	338	28	251
Sahuarita	267	2	77	188	2	118	21	1	7
Oro Valley	433	3	141	289	4	229	22	1	15
Marana	1,065	7	291	767	9	408	46	4	18
<b>TOTAL</b>	<b>10,263</b>	<b>168</b>	<b>3,826</b>	<b>6,269</b>	<b>185</b>	<b>5,616</b>	<b>571</b>	<b>47</b>	<b>384</b>
<b>Pinal County</b>	2,930	51	963	1,916	56	1,476	145	6	112
Casa Grande	1,131	6	398	727	6	571	60	1	51
Coolidge	244	3	102	139	3	170	20	1	25
Eloy	161	1	57	103	1	84	12	0	16
Florence	108	0	46	62	0	68	4	0	2
Kearny	5	0	1	4	0	1	0	0	0
Mammoth	1	0	0	1	0	0	0	0	0
Queen Creek	49	0	12	37	0	18	0	0	0
Superior	3	0	0	3	0	0	0	0	0
Apache Junction	496	6	172	318	6	254	36	2	21
Maricopa	505	3	183	319	3	277	29	1	21
<b>TOTAL</b>	<b>5,633</b>	<b>70</b>	<b>1,934</b>	<b>3,629</b>	<b>75</b>	<b>2,919</b>	<b>306</b>	<b>11</b>	<b>248</b>
<b>Santa Cruz County</b>	242	4	56	182	7	78	12	4	8
Nogales	208	1	59	148	1	82	11	0	8
Patagonia	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>450</b>	<b>5</b>	<b>115</b>	<b>330</b>	<b>8</b>	<b>160</b>	<b>23</b>	<b>4</b>	<b>16</b>
<b>Yavapai County</b>	1,851	34	603	1,214	39	874	110	4	98
Clarkdale	18	1	3	14	1	5	0	0	0
Cottonwood	283	1	90	192	1	118	16	1	10
Jerome	9	0	2	7	0	2	2	0	0
Peoria	1	0	1	0	0	5	1	0	5
Prescott	672	2	224	446	2	291	32	1	17
Prescott Valley	537	2	166	369	2	233	33	0	16
Chino Valley	169	1	57	111	1	76	11	0	5
Camp Verde	183	2	42	139	2	68	9	0	4
Dewey-Humboldt	28	0	8	20	0	14	2	0	1
Sedona	120	0	30	90	0	44	5	0	3
Wickenburg	12	0	2	10	0	5	0	0	0
<b>TOTAL</b>	<b>3,883</b>	<b>43</b>	<b>1,228</b>	<b>2,612</b>	<b>48</b>	<b>1,735</b>	<b>221</b>	<b>6</b>	<b>159</b>



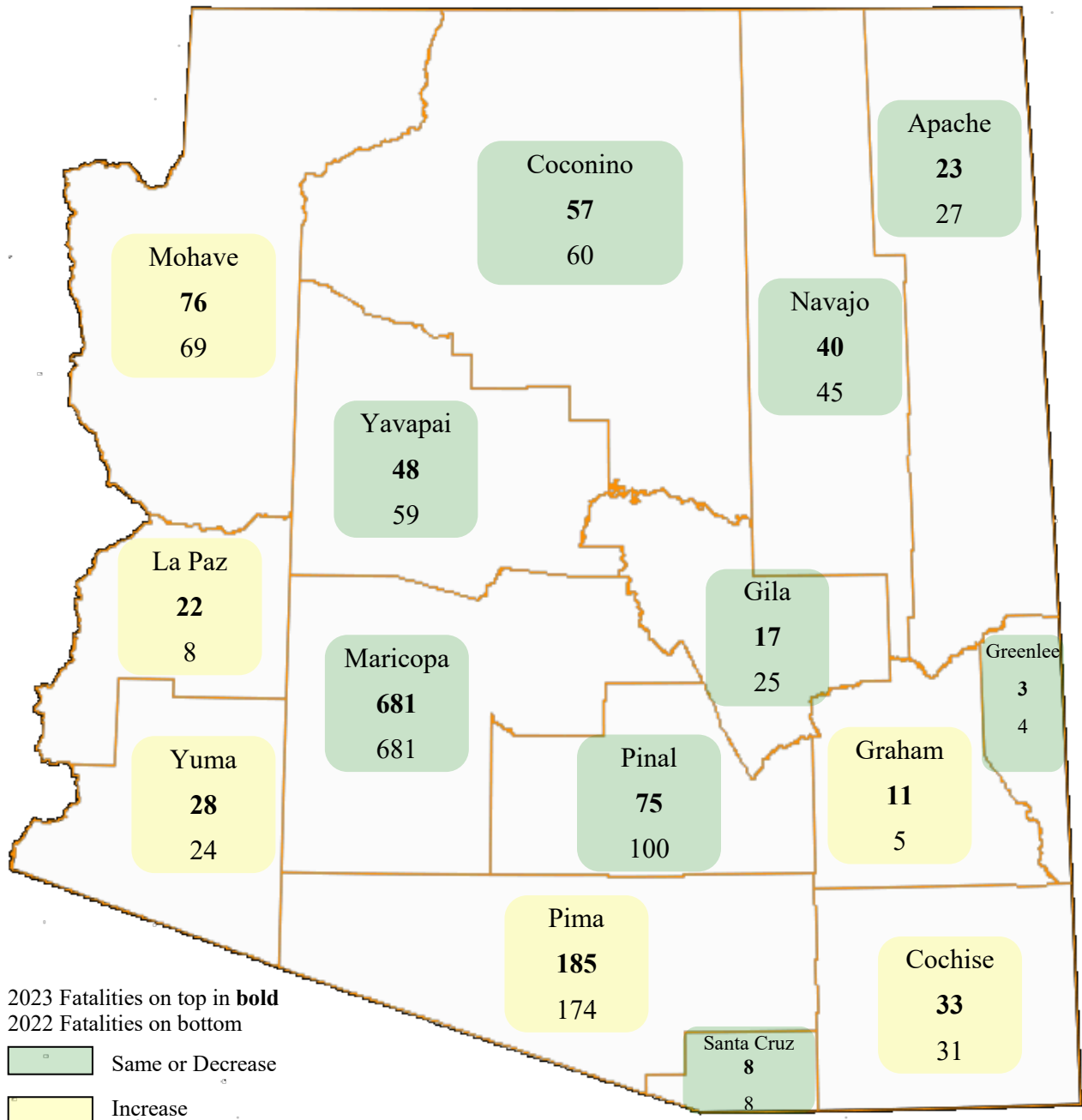
## Section 2: – Geographic Location

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
<b>Yuma County</b>	838	14	279	545	15	458	47	3	40
<b>Somerton</b>	49	1	19	29	2	36	6	0	4
<b>Yuma</b>	1,497	10	649	838	10	921	85	1	52
<b>Wellton</b>	15	0	5	10	0	6	1	0	0
<b>San Luis</b>	219	1	60	158	1	94	8	0	3
<b>TOTAL</b>	<b>2,618</b>	<b>26</b>	<b>1,012</b>	<b>1,580</b>	<b>28</b>	<b>1,515</b>	<b>147</b>	<b>4</b>	<b>99</b>

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 2022 and 2023**



## Section 2: – Geographic Location

Chart 2 – 1

Urban and Rural Crashes by Day of Week

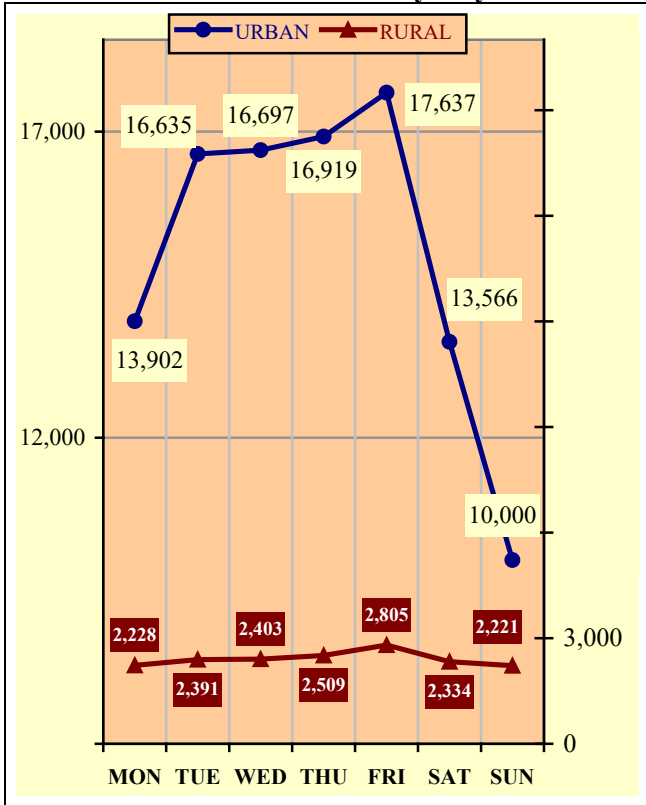


Chart 2 – 2

Urban and Rural Fatal Crashes by Day of Week

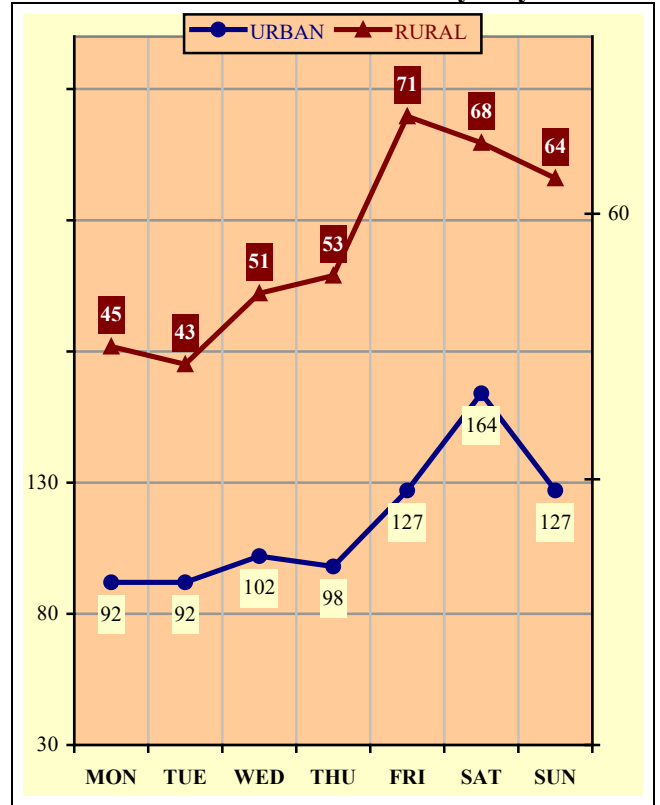
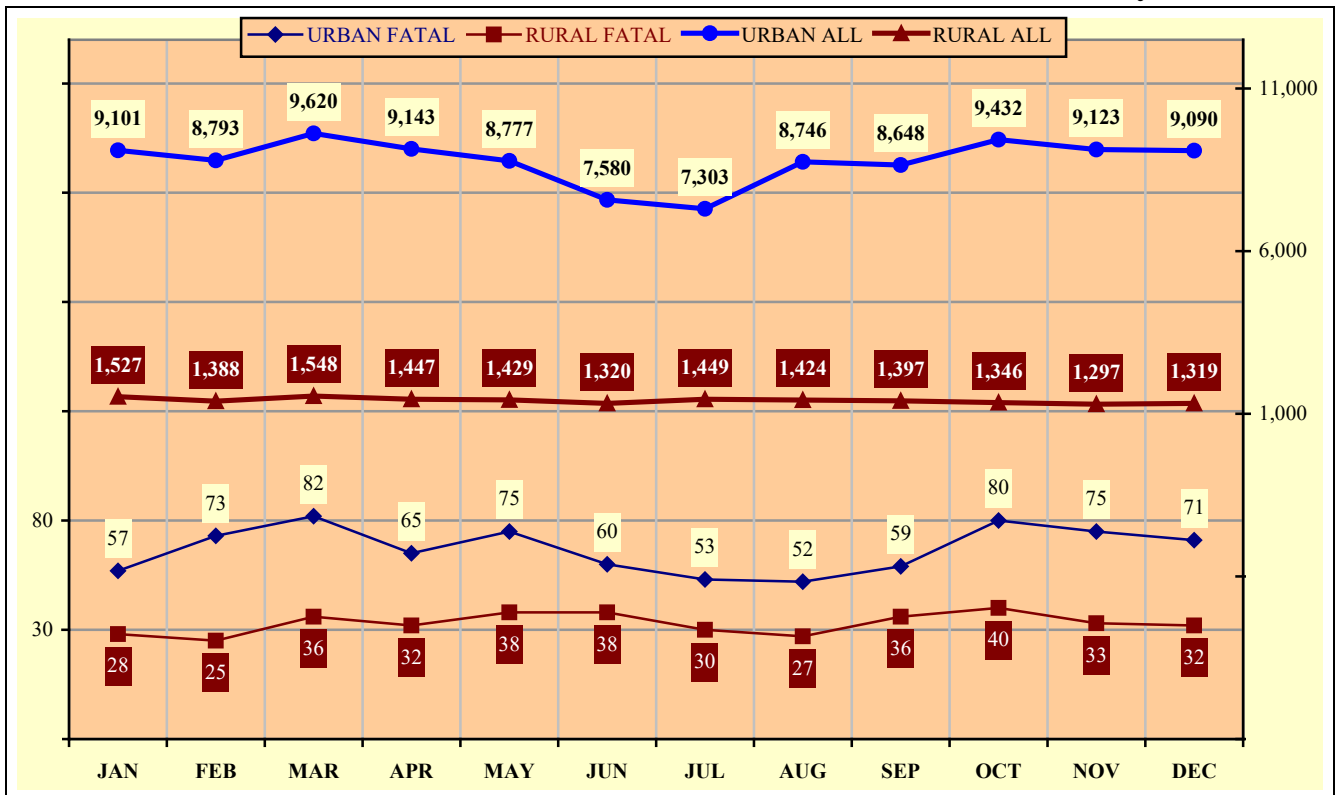


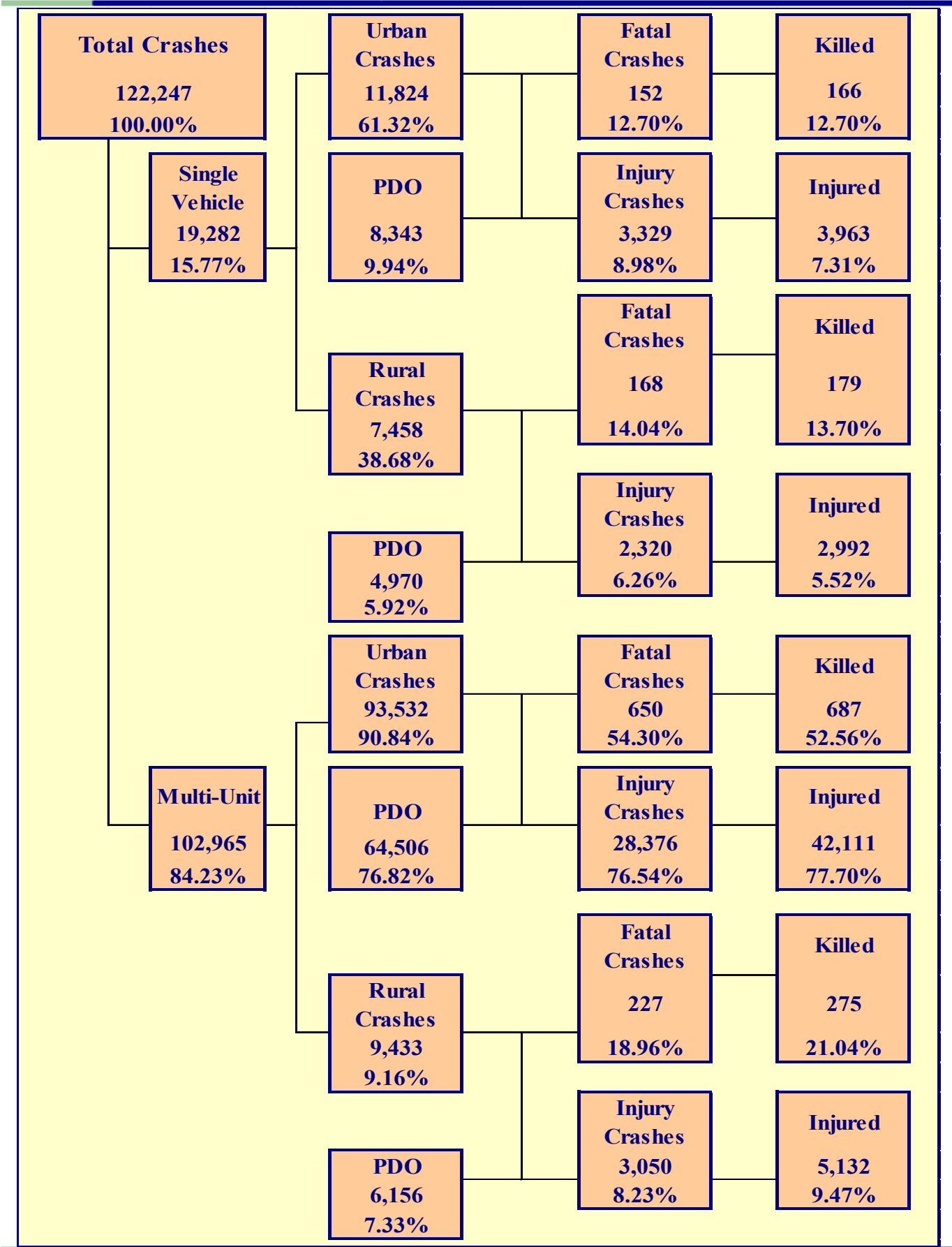
Chart 2 – 3

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-Unit 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	16,609	16.13%	114	13.00%	5,865	18.66%	10,630	15.04%
Left Turn	17,915	17.40%	135	15.39%	6,907	21.98%	10,873	15.39%
Rear End	39,244	38.11%	114	13.00%	12,051	38.35%	27,079	38.32%
Head-On	2,063	2.00%	110	12.54%	904	2.88%	1,049	1.48%
Sideswipe (same)	18,625	18.09%	26	2.96%	2,460	7.83%	16,139	22.84%
Sideswipe (opposite)	1,780	1.73%	18	2.05%	386	1.23%	1,376	1.95%
U-Turn	980	0.95%	9	1.03%	272	0.87%	699	0.99%
Other*	5,200	5.05%	329	37.51%	2,447	7.79%	2,424	3.43%
Unknown	549	0.53%	22	2.51%	134	0.43%	393	0.56%
<b>TOTAL</b>	<b>102,965</b>	<b>100.00%</b>	<b>877</b>	<b>100.00%</b>	<b>31,426</b>	<b>100.00%</b>	<b>70,662</b>	<b>100.00%</b>

\*Other includes pedestrian and bicycle crashes

Table 3 – 2  
**Lighting Conditions**

Type of Lighting Conditions	Number of Crashes				Number of Persons	
	Total	Fatal	Injury	PDO	Killed	Injured
Daylight	84,637	501	25,516	58,620	549	37,365
Dawn	2,209	24	675	1,510	27	945
Dusk	3,439	39	1,092	2,308	40	1,689
Dark - Lighted	23,812	322	7,455	16,035	347	10,769
Dark - Not Lighted	7,117	178	2,180	4,759	195	3,178
Dark - Unknown Lighting	360	18	76	266	24	117
Unknown	673	115	81	477	125	135
<b>TOTAL</b>	<b>122,247</b>	<b>1,197</b>	<b>37,075</b>	<b>83,975</b>	<b>1,307</b>	<b>54,198</b>

Table 3 – 3  
**Weather Conditions**

Type of Weather Conditions	Number of Crashes				Number of Persons	
	Total	Fatal	Injury	PDO	Killed	Injured
Clear	108,293	930	32,934	74,429	1,007	48,059
Cloudy	8,766	77	2,802	5,887	86	4,183
Sleet/Hail	184	0	52	132	0	70
Rain	3,274	33	942	2,299	40	1,313
Snow or Blowing Snow	694	0	141	553	0	222
Blowing Sand, Soil, Dirt	106	2	35	69	2	56
Fog, Smog, Smoke	51	1	13	37	1	24
Other	84	1	33	50	1	60
Unknown	795	153	123	519	170	211
<b>TOTAL</b>	<b>122,247</b>	<b>1,197</b>	<b>37,075</b>	<b>83,975</b>	<b>1,307</b>	<b>54,198</b>

## 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	224,664	1,684	69,880	153,100	1,079	51,547
Wet	7,515	82	2,235	5,198	53	1,742
Snow/Slush	1,168	0	276	892	0	251
Ice/Frost	724	4	169	551	1	174
Water (standing or moving)	159	5	49	105	2	48
Mud, Dirt, Gravel, Sand	504	8	203	293	5	270
Other	83	0	36	47	0	20
Unknown	3,125	197	489	2,439	167	146
<b>TOTAL</b>	<b>237,942</b>	<b>1,980</b>	<b>73,337</b>	<b>162,625</b>	<b>1,307</b>	<b>54,198</b>

**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	222,898	1,571	68,823	152,504	995	50,519
Downhill	6,462	121	2,210	4,131	84	1,964
Uphill	5,542	93	1,801	3,648	62	1,545
Unknown	3,040	195	503	2,342	166	170
<b>TOTAL</b>	<b>237,942</b>	<b>1,980</b>	<b>73,337</b>	<b>162,625</b>	<b>1,307</b>	<b>54,198</b>

**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	222,561	1,605	69,166	151,790	989	50,629
Curve Left	6,288	136	1,863	4,289	105	1,772
Curve Right	5,782	95	1,742	3,945	80	1,613
Unknown	3,311	144	566	2,601	133	184
<b>TOTAL</b>	<b>237,942</b>	<b>1,980</b>	<b>73,337</b>	<b>162,625</b>	<b>1,307</b>	<b>54,198</b>

### Section 3: – Crash Descriptions

Chart 3 – 1

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

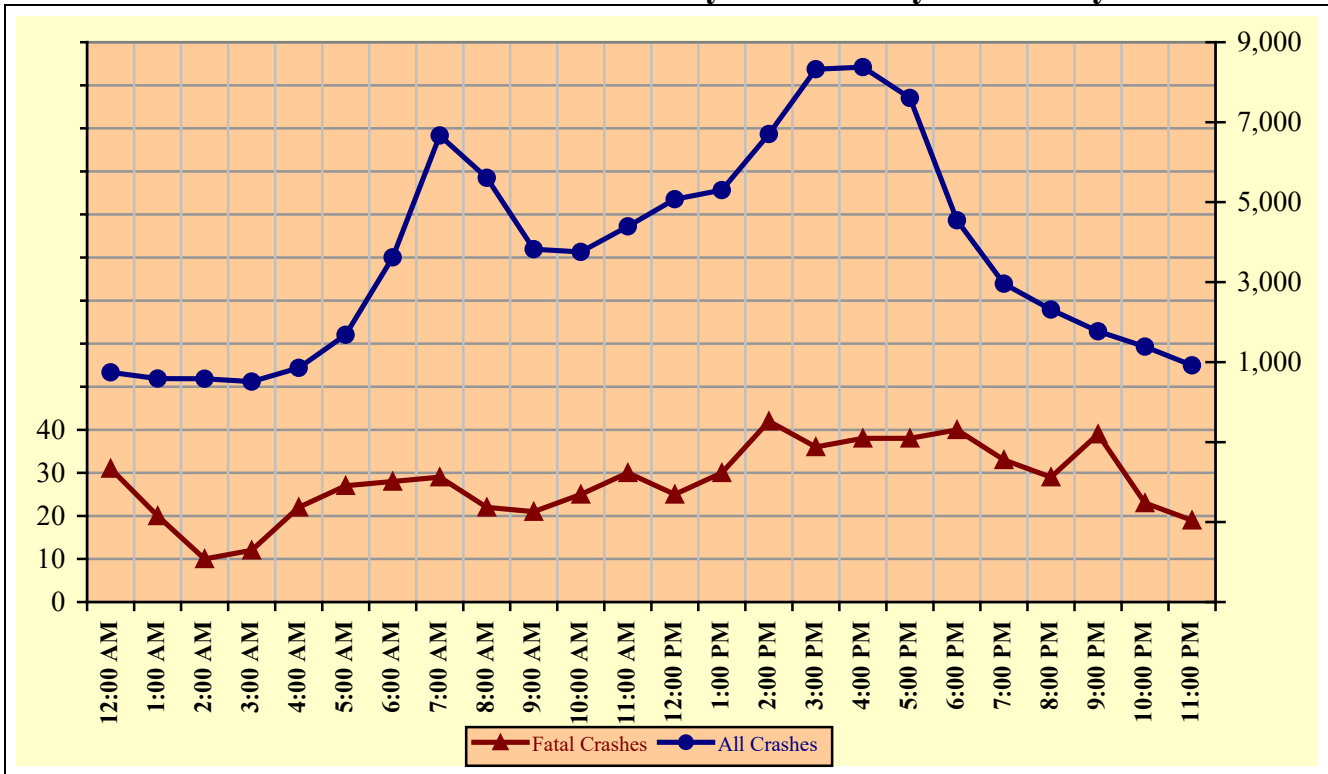
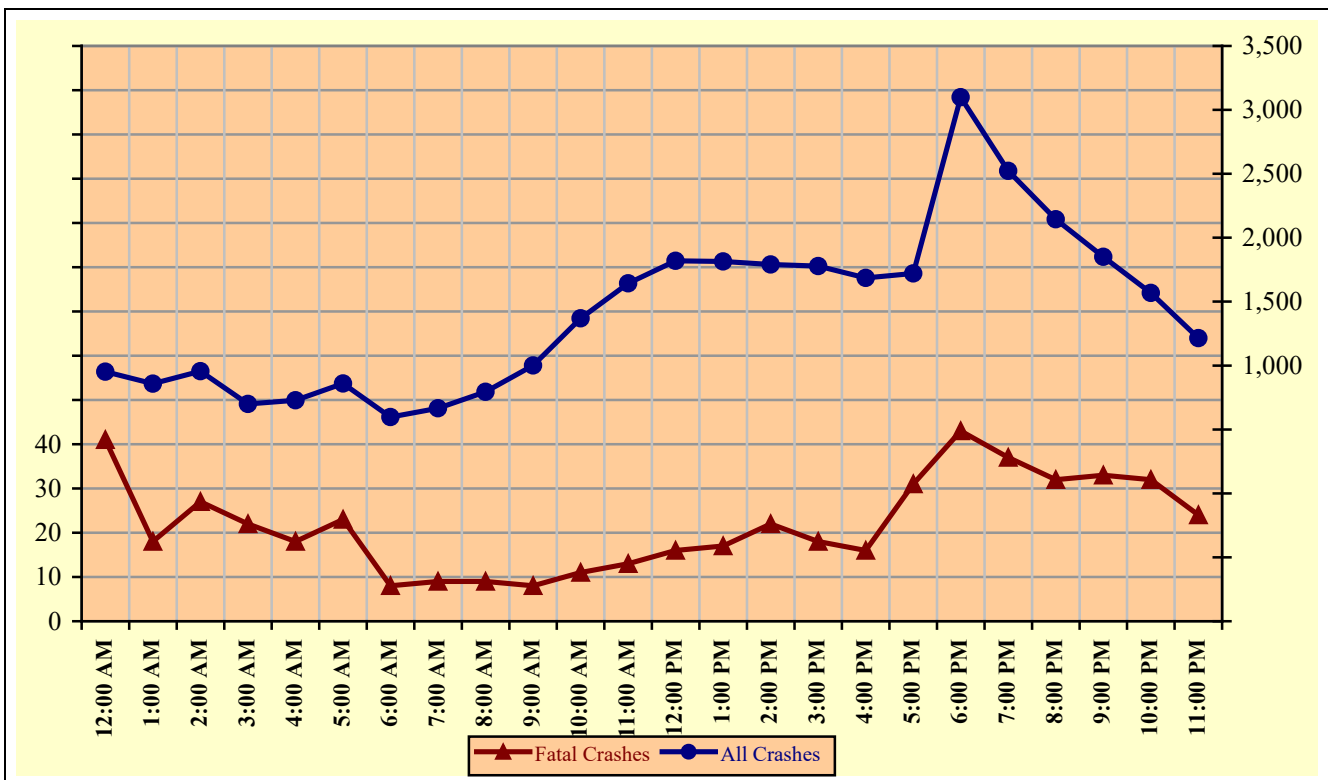


Chart 3 – 2

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



### Section 3: – Crash Descriptions

Chart 3 – 3

Crashes by Day of Week

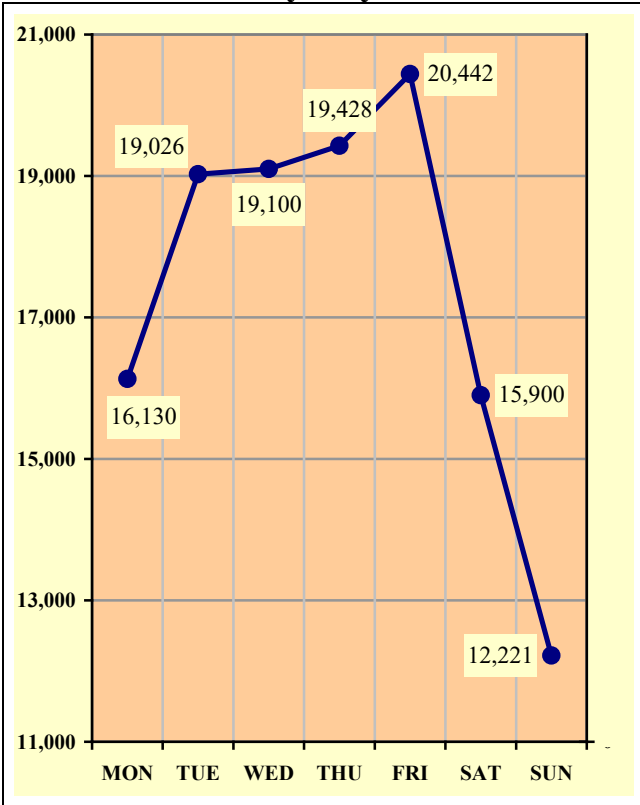


Chart 3 – 4

Fatal Crashes by Day of Week

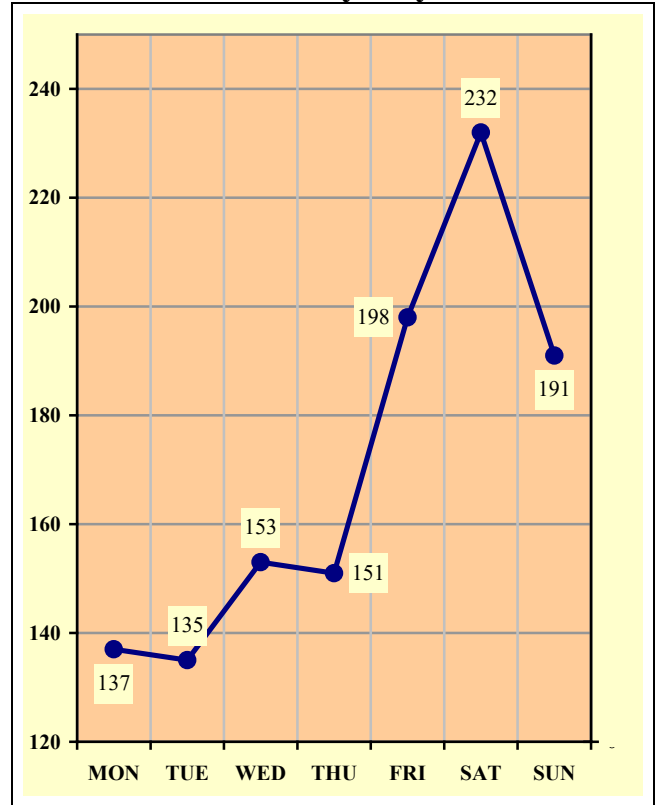
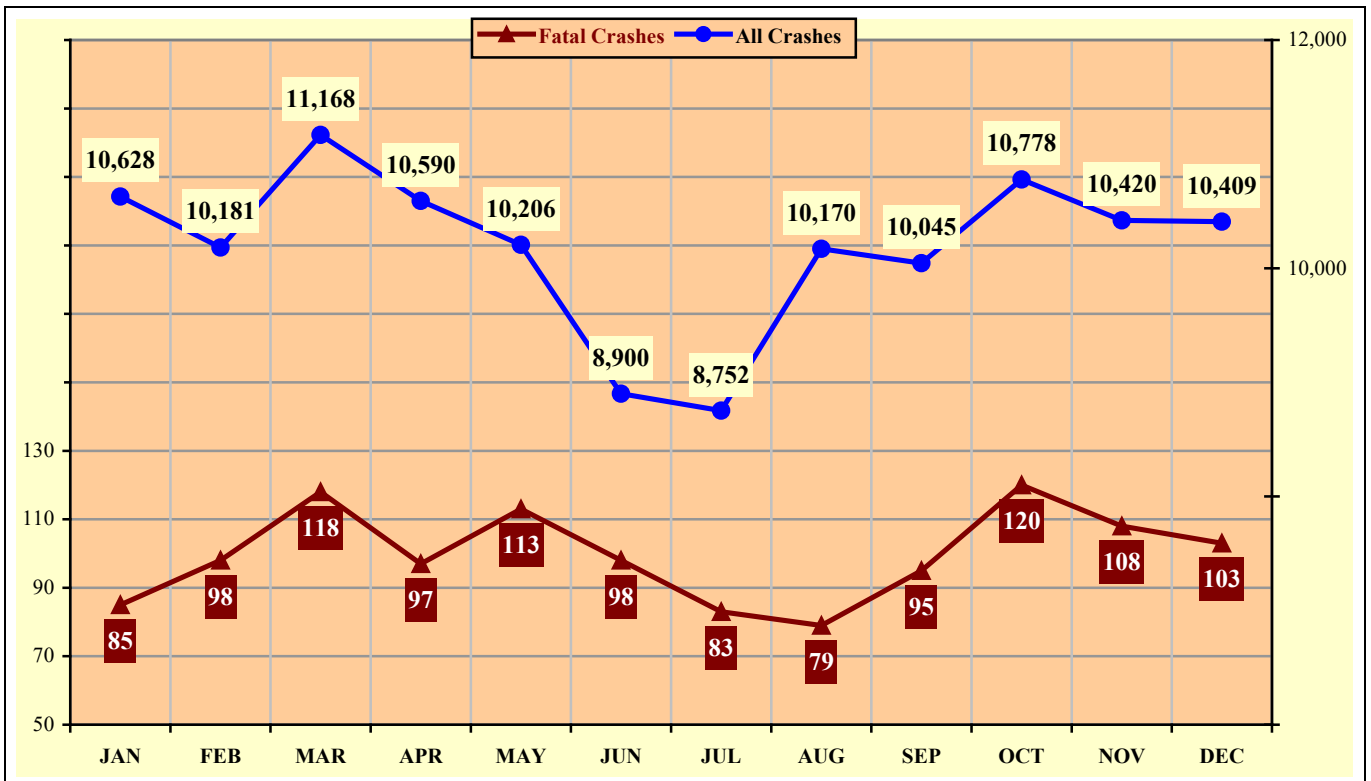


Chart 3 – 5

All Crashes vs. Fatal Crashes by Month



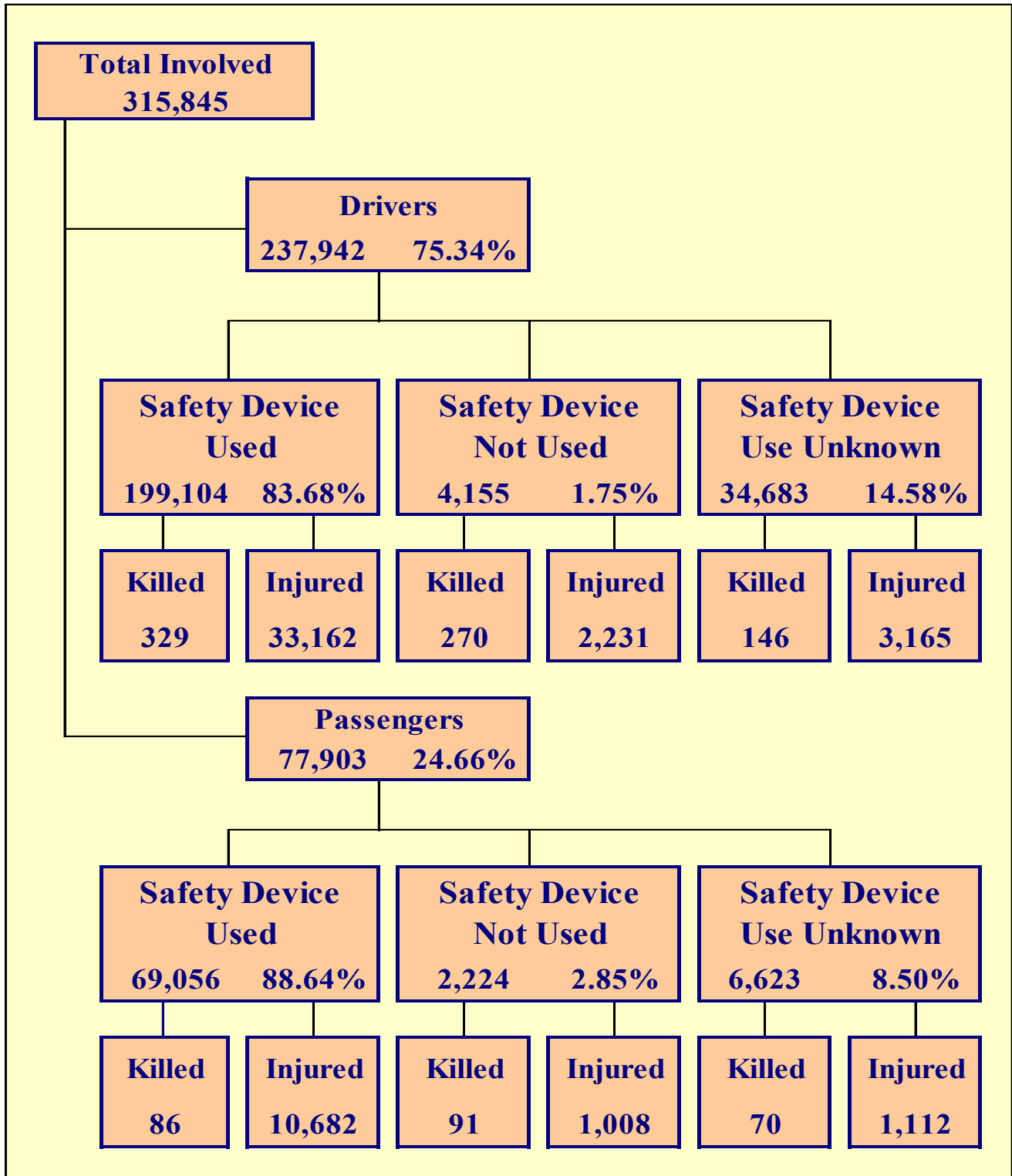
### Section 3: – Crash Descriptions

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	1,696	72	198	9	152	8	178	8	195	5	219	10	383	15	371	17	744	31	952	41
1:00 AM	1,445	38	155	3	141	4	126	3	140	5	180	8	329	7	374	8	587	20	858	18
2:00 AM	1,541	37	160	2	108	2	128	3	166	2	183	3	369	11	427	14	585	10	956	27
3:00 AM	1,213	34	125	2	136	3	113	2	123	3	141	4	294	12	281	8	513	12	700	22
4:00 AM	1,583	40	214	6	223	9	204	2	210	1	218	10	253	8	261	4	855	22	728	18
5:00 AM	2,543	50	381	8	431	6	475	12	401	5	377	4	256	5	222	10	1,684	27	859	23
6:00 AM	4,217	36	647	5	837	4	754	3	773	12	609	4	335	4	262	4	3,620	28	597	8
7:00 AM	7,334	38	1,111	7	1,596	7	1,463	3	1,404	5	1,094	7	395	3	271	6	6,668	29	666	9
8:00 AM	6,404	31	973	3	1,261	2	1,236	8	1,191	8	948	1	486	4	309	5	5,609	22	795	9
9:00 AM	4,826	29	671	3	796	2	803	4	777	7	778	5	621	3	380	5	3,825	21	1,001	8
10:00 AM	5,124	36	684	3	754	4	749	2	775	8	793	8	814	8	555	3	3,755	25	1,369	11
11:00 AM	6,038	43	791	9	873	5	843	2	886	7	1,002	7	963	7	680	6	4,395	30	1,643	13
12:00 PM	6,893	41	898	4	930	4	1,042	7	987	3	1,217	7	1,028	10	791	6	5,074	25	1,819	16
1:00 PM	7,117	47	913	6	992	5	1,090	9	1,032	2	1,276	8	1,040	11	774	6	5,303	30	1,814	17
2:00 PM	8,492	64	1,167	8	1,279	7	1,358	9	1,326	5	1,572	13	1,014	12	776	10	6,702	42	1,790	22
3:00 PM	10,103	54	1,398	2	1,734	9	1,601	8	1,753	6	1,839	11	1,001	4	777	14	8,325	36	1,778	18
4:00 PM	10,063	54	1,396	10	1,765	5	1,680	10	1,750	8	1,787	5	951	7	734	9	8,378	38	1,685	16
5:00 PM	9,326	69	1,300	5	1,552	8	1,581	8	1,739	9	1,434	8	944	22	776	9	7,606	38	1,720	31
6:00 PM	7,645	83	934	10	1,139	8	1,256	15	1,217	7	1,262	17	1,037	15	800	11	4,546	40	3,099	43
7:00 PM	5,483	70	634	4	728	10	759	9	839	10	998	13	869	16	656	8	2,960	33	2,523	37
8:00 PM	4,456	61	504	10	581	7	613	9	614	3	793	16	726	11	625	5	2,312	29	2,144	32
9:00 PM	3,619	72	385	8	466	10	421	8	497	13	677	9	708	14	465	10	1,769	39	1,850	33
10:00 PM	2,953	55	285	6	336	4	393	6	371	7	597	10	613	13	358	9	1,385	23	1,568	32
11:00 PM	2,133	43	206	4	216	2	234	3	262	10	448	10	471	10	296	4	918	19	1,215	24
<b>TOTAL</b>	<b>122,247</b>	<b>1,197</b>	<b>16,130</b>	<b>137</b>	<b>19,026</b>	<b>135</b>	<b>19,100</b>	<b>153</b>	<b>19,428</b>	<b>151</b>	<b>20,442</b>	<b>198</b>	<b>15,900</b>	<b>232</b>	<b>12,221</b>	<b>191</b>	<b>88,118</b>	<b>669</b>	<b>34,129</b>	<b>528</b>

*Crashes during Weekends accounted for 27.92% of all crashes and 44.11% 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	7,677	88.47%	58	57.43%	227	74.67%
Unknown Injury	245	2.82%	5	4.95%	34	11.18%
Possible Injury	507	5.84%	15	14.85%	23	7.57%
Suspected Minor Injury	222	2.56%	13	12.87%	15	4.93%
Suspected Serious Injury	25	0.29%	8	7.92%	4	1.32%
Fatal Injury	2	0.02%	2	1.98%	1	0.33%
<b>TOTALS</b>	<b>8,678</b>	<b>100.00%</b>	<b>101</b>	<b>100.00%</b>	<b>304</b>	<b>100.00%</b>

**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	161,576	81.15%	1,543	37.14%	19,243	55.48%
Unknown Injury	4,037	2.03%	111	2.67%	12,129	34.97%
Possible Injury	17,594	8.84%	614	14.78%	1,259	3.63%
Suspected Minor Injury	14,218	7.14%	1,078	25.94%	1,416	4.08%
Suspected Serious Injury	1,350	0.68%	539	12.97%	490	1.41%
Fatal Injury	329	0.17%	270	6.50%	146	0.42%
<b>TOTALS</b>	<b>199,104</b>	<b>100.00%</b>	<b>4,155</b>	<b>100.00%</b>	<b>34,683</b>	<b>100.00%</b>

**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	56,582	81.94%	1,056	47.48%	4,674	70.57%
Unknown Injury	1,706	2.47%	69	3.10%	767	11.58%
Possible Injury	6,134	8.88%	337	15.15%	538	8.12%
Suspected Minor Injury	4,154	6.02%	449	20.19%	423	6.39%
Suspected Serious Injury	394	0.57%	222	9.98%	151	2.28%
Fatal Injury	86	0.12%	91	4.09%	70	1.06%
<b>TOTALS</b>	<b>69,056</b>	<b>100.00%</b>	<b>2,224</b>	<b>100.00%</b>	<b>6,623</b>	<b>100.00%</b>

## Section 4: – Safety Devices

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

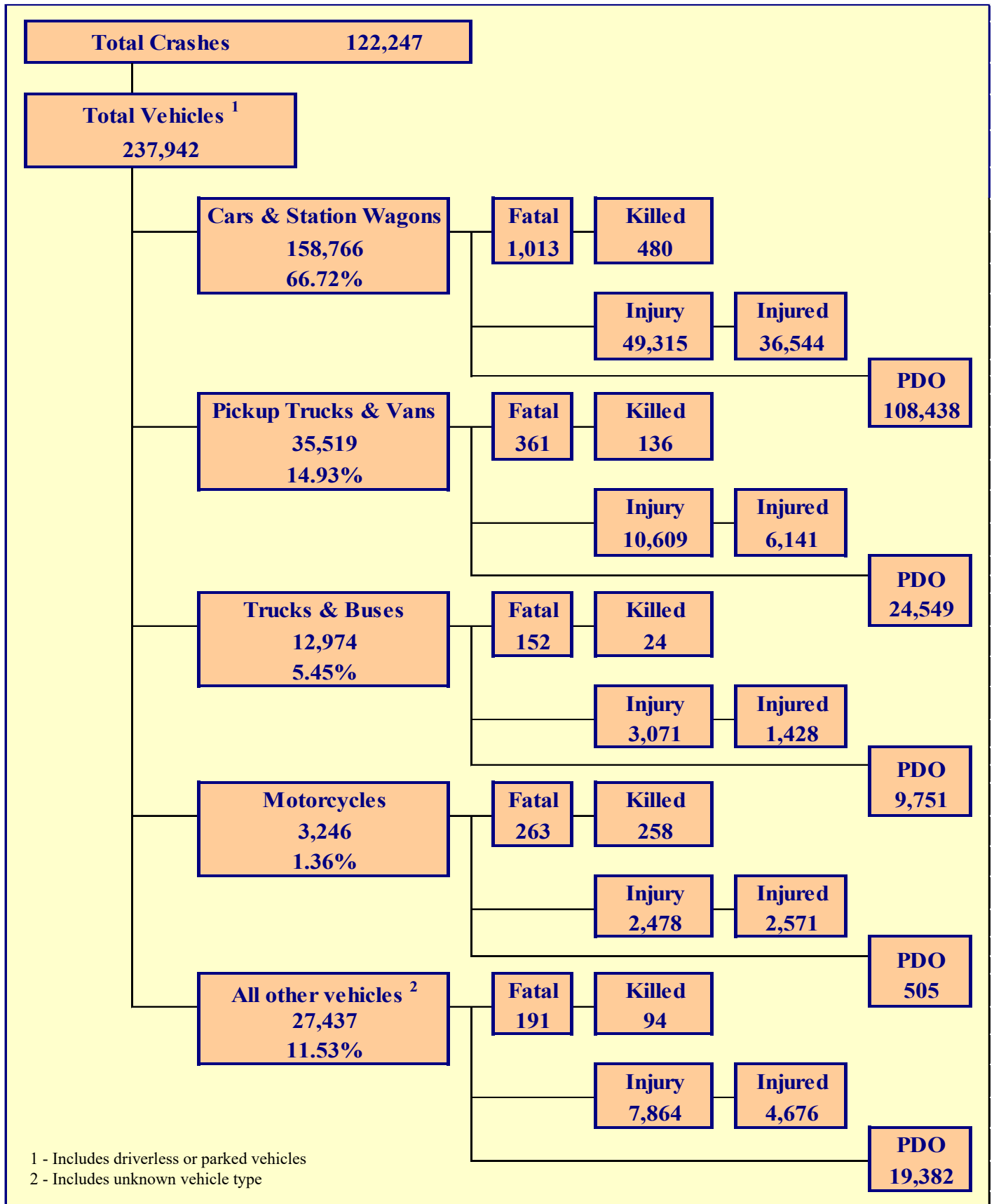
Gender of Driver	Number of Drivers							Total	Percent of Total
	Safety Device Used	Percent of Safety Device Used	Safety Device Not Used	Percent of Safety Device Not Used	Safety Device Use Unknown	Percent of Unknown			
<b>Male</b>	116,664	58.59%	2,992	72.01%	11,834	34.12%	131,490	55.26%	
<b>Female</b>	82,311	41.34%	1,117	26.88%	5,704	16.45%	89,132	37.46%	
<b>Unknown</b>	129	0.06%	46	1.11%	17,145	49.43%	17,320	7.28%	
<b>TOTAL</b>	<b>199,104</b>	<b>100.00%</b>	<b>4,155</b>	<b>100.00%</b>	<b>34,683</b>	<b>100.00%</b>	<b>237,942</b>	<b>100.00%</b>	

**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			
<b>15 &amp; Under</b>	307	0.15%	42	1.01%	70	0.20%	419	0.18%	
<b>16</b>	3,360	1.69%	55	1.32%	231	0.67%	3,646	1.53%	
<b>17</b>	4,685	2.35%	87	2.09%	326	0.94%	5,098	2.14%	
<b>18</b>	5,421	2.72%	106	2.55%	373	1.08%	5,900	2.48%	
<b>19</b>	5,705	2.87%	129	3.10%	455	1.31%	6,289	2.64%	
<b>20</b>	5,808	2.92%	126	3.03%	432	1.25%	6,366	2.68%	
<b>21</b>	5,723	2.87%	132	3.18%	405	1.17%	6,260	2.63%	
<b>22</b>	5,380	2.70%	109	2.62%	435	1.25%	5,924	2.49%	
<b>23</b>	5,407	2.72%	132	3.18%	476	1.37%	6,015	2.53%	
<b>24</b>	5,084	2.55%	109	2.62%	415	1.20%	5,608	2.36%	
<b>25-34</b>	44,764	22.48%	1,076	25.90%	3,883	11.20%	49,723	20.90%	
<b>35-44</b>	34,534	17.34%	718	17.28%	2,949	8.50%	38,201	16.05%	
<b>45-54</b>	27,632	13.88%	495	11.91%	2,183	6.29%	30,310	12.74%	
<b>55-64</b>	22,566	11.33%	422	10.16%	1,643	4.74%	24,631	10.35%	
<b>65-74</b>	13,966	7.01%	207	4.98%	934	2.69%	15,107	6.35%	
<b>75 &amp; Older</b>	8,102	4.07%	118	2.84%	520	1.50%	8,740	3.67%	
<b>Unknown</b>	660	0.33%	92	2.21%	18,953	54.65%	19,705	8.28%	
<b>TOTAL</b>	<b>199,104</b>	<b>100.00%</b>	<b>4,155</b>	<b>100.00%</b>	<b>34,683</b>	<b>100.00%</b>	<b>237,942</b>	<b>100.00%</b>	

# Section 5

# Motor Vehicle and Driver Descriptions



## Section 5: – Motor Vehicle and Driver Descriptions

Table 5 – 1

### Arizona Motor Vehicle Registrations

Privately Owned Vehicles	5,630,394
Commercial Vehicles	597,865
Motorcycles	279,569
Mopeds	209
Other	190,596
<b>TOTAL</b>	<b>6,698,633</b>
Source: MVD - Currently Registered Vehicles by County Listing, dated 12/31/2023.	

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.)	103,096	43.328%	624	31,609	70,863
Station Wagons	55,670	23.396%	389	17,706	37,575
Pickup Trucks	31,612	13.286%	308	9,424	21,880
Vans	3,907	1.642%	53	1,185	2,669
Truck Tractor (with or without Semi-Trailer)	2,485	1.044%	107	573	1,805
Concrete Mixer Trucks	30	0.013%	2	5	23
Dump Trucks	136	0.057%	6	29	101
Garbage Trucks	103	0.043%	2	15	86
Tanker Trucks	27	0.011%	1	4	22
Wrecker or Tow Trucks	43	0.018%	1	13	29
Other Truck Combinations	9,543	4.011%	26	2,317	7,200
School Bus	37	0.016%	1	5	31
Commercial or Non-Commercial Bus	570	0.240%	6	110	454
Motorcycle (two or three wheel)	3,246	1.364%	263	2,478	505
All Terrain Vehicle or Cycle	155	0.065%	25	102	28
Golf Carts	90	0.038%	3	67	20
Moped	19	0.008%	1	18	0
Recreational Vehicle	199	0.084%	4	50	145
Motor Home or House Car	58	0.024%	2	14	42
Fire Trucks	41	0.017%	0	11	30
Ambulances	50	0.021%	0	12	38
Other Types Of Vehicles	47	0.020%	4	23	20
Vehicle Type Unknown	26,778	11.254%	152	7,567	19,059
<b>TOTAL</b>	<b>237,942</b>	<b>100.00%</b>	<b>1,980</b>	<b>73,337</b>	<b>162,625</b>

## 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
<b>Yes</b>	15,648	112	2,980	12,556	113	3,856
<b>No</b>	106,599	1,085	34,095	71,419	1,194	50,342
<b>TOTAL</b>	<b>122,247</b>	<b>1,197</b>	<b>37,075</b>	<b>83,975</b>	<b>1,307</b>	<b>54,198</b>

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
<b>Male</b>	131,491	55.26%	1,360	68.69%	41,179	56.15%	88,952	54.70%
<b>Female</b>	89,132	37.46%	455	22.98%	29,281	39.93%	59,396	36.52%
<b>Unknown</b>	17,319	7.28%	165	8.33%	2,877	3.92%	14,277	8.78%
<b>TOTAL</b>	<b>237,942</b>	<b>100.00%</b>	<b>1,980</b>	<b>100.00%</b>	<b>73,337</b>	<b>100.00%</b>	<b>162,625</b>	<b>100.00%</b>

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
<b>Arizona License</b>	161,031	67.68%	1,368	69.09%	51,765	70.59%	107,898	66.35%
<b>All Others*</b>	76,911	32.32%	612	30.91%	21,572	29.41%	54,727	33.65%
<b>TOTAL</b>	<b>237,942</b>	<b>100.00%</b>	<b>1,980</b>	<b>100.00%</b>	<b>73,337</b>	<b>100.00%</b>	<b>162,625</b>	<b>100.00%</b>

\*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	Total	Male	Female	Gender Unknown
<b>0-4</b>	4	1	3	653	334	319	0
<b>5-9</b>	3	3	0	981	464	517	0
<b>10-14</b>	16	9	7	1,136	493	643	0
<b>15-19</b>	19	7	12	1,854	801	1,053	0
<b>20-24</b>	31	18	13	1,431	565	866	0
<b>25-34</b>	42	22	20	1,846	731	1,115	0
<b>35-44</b>	29	11	18	1,169	435	734	0
<b>45-54</b>	27	14	13	1,121	356	765	0
<b>55-64</b>	14	6	8	1,002	262	740	0
<b>65-74</b>	24	8	16	808	189	619	0
<b>75 &amp; Older</b>	35	12	23	561	154	407	0
<b>Unknown</b>	3	1	2	240	78	121	41
<b>TOTAL</b>	<b>247</b>	<b>112</b>	<b>135</b>	<b>12,802</b>	<b>4,862</b>	<b>7,899</b>	<b>41</b>

## 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.)	214	17,807	101	5,656
Station Wagons	109	9,379	56	3,702
Pickup Trucks	88	3,966	27	1,315
Vans	10	560	11	300
Truck Tractor (with or without Semi-Trailer)	17	179	3	36
Concrete Mixer Trucks	0	1	0	0
Dump Trucks	0	5	0	0
Garbage Trucks	0	4	1	0
Tanker Trucks	0	2	0	0
Wrecker or Tow Trucks	0	2	0	0
Other Truck Combinations	3	801	0	267
School Bus	0	3	0	1
Commercial or Non-Commercial Bus	0	30	0	97
Motorcycle (two or three wheel)	251	2,397	7	174
All Terrain Vehicle or Cycle	12	89	9	54
Golf Carts	3	55	0	16
Moped	1	18	0	1
Recreational Vehicle	0	21	1	12
Motor Home or House Car	1	4	0	2
Fire Trucks	0	3	0	8
Ambulances	0	3	0	6
Other Types Of Vehicles	3	18	0	2
Vehicle Type Unknown	33	3,211	31	1,153
<b>TOTAL</b>	<b>745</b>	<b>38,558</b>	<b>247</b>	<b>12,802</b>

Table 5 – 8

### Drivers Killed and Injured by Age and Gender

Age of Driver	Drivers Killed			Drivers Injured			
	Total	Male	Female	Total	Male	Female	Gender Unknown
0-4	0	0	0	0	0	0	0
5-9	0	0	0	3	3	0	0
10-14	1	1	0	43	33	10	0
15-19	52	39	13	3,258	1,802	1,456	0
20-24	81	67	14	5,060	2,661	2,399	0
25-34	148	121	27	8,643	4,663	3,980	0
35-44	118	90	28	6,675	3,526	3,149	0
45-54	94	77	17	5,331	2,801	2,530	0
55-64	114	102	12	4,584	2,522	2,062	0
65-74	66	57	9	2,977	1,588	1,389	0
75 & Older	70	53	17	1,829	971	858	0
Unknown	1	1	0	155	77	36	42
<b>TOTAL</b>	<b>745</b>	<b>608</b>	<b>137</b>	<b>38,558</b>	<b>20,647</b>	<b>17,869</b>	<b>42</b>

## 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	Unknown Number	Total Number	Percent of Total	Cumulative Percent
16	14,883	0.50%	13,980	0.48%	22	28,885	0.49%	0.49%
17	26,080	0.88%	23,539	0.81%	58	49,677	0.84%	1.34%
18	33,277	1.12%	30,135	1.03%	47	63,459	1.08%	2.41%
19	38,813	1.31%	34,649	1.19%	25	73,487	1.25%	3.66%
20	41,310	1.40%	37,792	1.29%	7	79,109	1.34%	5.01%
21	43,267	1.46%	40,142	1.37%	6	83,415	1.42%	6.43%
22	45,197	1.53%	42,117	1.44%	8	87,322	1.48%	7.91%
23	48,256	1.63%	44,809	1.53%	7	93,072	1.58%	9.49%
24	48,629	1.64%	45,131	1.54%	9	93,769	1.59%	11.09%
25-34	528,981	17.86%	501,627	17.17%	62	1,030,670	17.52%	28.61%
35-44	514,512	17.38%	500,227	17.12%	24	1,014,763	17.25%	45.86%
45-54	491,522	16.60%	471,167	16.13%	13	962,702	16.36%	62.22%
55-64	489,948	16.55%	482,475	16.52%	12	972,435	16.53%	78.75%
65-74	349,810	11.81%	385,135	13.18%	4	734,949	12.49%	91.24%
75 & older	246,703	8.33%	268,386	9.19%	1	515,090	8.76%	100.00%
<b>TOTALS</b>	<b>2,961,188</b>	<b>100.00%</b>	<b>2,921,311</b>	<b>100.00%</b>	<b>305</b>	<b>5,882,804</b>	<b>100.00%</b>	<b>100.00%</b>

Source: MVD - Point-in-Time Driver Credential Report/All Driver Licenses by Age, Gender, and Class, dated 12/31/2023.

**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	419	0.18%	5	0.25%	164	0.22%	250	0.15%
16	3,646	1.53%	15	0.76%	994	1.36%	2,637	1.62%
17	5,098	2.14%	29	1.46%	1,485	2.02%	3,584	2.20%
18	5,900	2.48%	40	2.02%	1,752	2.39%	4,108	2.53%
19	6,289	2.64%	49	2.47%	1,999	2.73%	4,241	2.61%
20	6,366	2.68%	49	2.47%	2,024	2.76%	4,293	2.64%
21	6,260	2.63%	46	2.32%	2,003	2.73%	4,211	2.59%
22	5,924	2.49%	49	2.47%	1,878	2.56%	3,997	2.46%
23	6,015	2.53%	44	2.22%	1,816	2.48%	4,155	2.55%
24	5,608	2.36%	39	1.97%	1,704	2.32%	3,865	2.38%
25-34	49,723	20.90%	380	19.19%	15,849	21.61%	33,494	20.60%
35-44	38,201	16.05%	295	14.90%	12,257	16.71%	25,649	15.77%
45-54	30,310	12.74%	237	11.97%	9,707	13.24%	20,366	12.52%
55-64	24,631	10.35%	248	12.53%	8,126	11.08%	16,257	10.00%
65-74	15,107	6.35%	154	7.78%	5,137	7.00%	9,816	6.04%
75 & Older	8,740	3.67%	120	6.06%	3,030	4.13%	5,590	3.44%
Unknown	19,705	8.28%	181	9.14%	3,412	4.65%	16,112	9.91%
<b>TOTAL</b>	<b>237,942</b>	<b>100.00%</b>	<b>1,980</b>	<b>100.00%</b>	<b>73,337</b>	<b>100.00%</b>	<b>162,625</b>	<b>100.00%</b>



## 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	117,614	49.43%	811	40.96%	36,927	50.35%	79,876	49.12%
Speed too Fast for Conditions	34,087	14.33%	193	9.75%	11,528	15.72%	22,366	13.75%
Exceeded Lawful Speed	840	0.35%	78	3.94%	369	0.50%	393	0.24%
Failed to Yield Right-Of-Way	22,559	9.48%	134	6.77%	8,230	11.22%	14,195	8.73%
Followed Too Closely	7,070	2.97%	11	0.56%	1,887	2.57%	5,172	3.18%
Ran Stop Sign	1,470	0.62%	16	0.81%	627	0.85%	827	0.51%
Disregarded Traffic Signal	5,864	2.46%	57	2.88%	2,592	3.53%	3,215	1.98%
Made Improper Turn	4,348	1.83%	19	0.96%	1,162	1.58%	3,167	1.95%
Drove Left of Center Line	1,382	0.58%	105	5.30%	513	0.70%	764	0.47%
Passed in No-Passing Zone	134	0.06%	4	0.20%	35	0.05%	95	0.06%
Unsafe Lane Change	9,731	4.09%	21	1.06%	1,522	2.08%	8,188	5.03%
Failed to Keep in Proper Lane	6,320	2.66%	139	7.02%	1,701	2.32%	4,480	2.75%
Crossed Median	93	0.04%	24	1.21%	45	0.06%	24	0.01%
Aggressive Driving	338	0.14%	4	0.20%	109	0.15%	225	0.14%
Wrong Way Driving	126	0.05%	13	0.66%	60	0.08%	53	0.03%
Other	6,249	2.63%	46	2.32%	1,543	2.10%	4,660	2.87%
Unknown	19,717	8.29%	305	15.40%	4,487	6.12%	14,925	9.18%
<b>TOTAL</b>	<b>237,942</b>	<b>100.00%</b>	<b>1,980</b>	<b>100.00%</b>	<b>73,337</b>	<b>100.00%</b>	<b>162,625</b>	<b>100.00%</b>

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	206,609	86.83%	1,063	53.69%	64,346	87.74%	141,200	86.83%
Alcohol	5,612	2.36%	243	12.27%	2,361	3.22%	3,008	1.85%
Illegal Drugs	487	0.20%	60	3.03%	212	0.29%	215	0.13%
Medications	136	0.06%	3	0.15%	61	0.08%	72	0.04%
Marijuana	227	0.10%	68	3.43%	86	0.12%	73	0.04%
Illness or Physical Impairment	775	0.33%	13	0.66%	421	0.57%	341	0.21%
Fell Asleep or Fatigued	1,528	0.64%	10	0.51%	606	0.83%	912	0.56%
Other	606	0.25%	12	0.61%	220	0.30%	374	0.23%
Unknown	21,962	9.23%	508	25.66%	5,024	6.85%	16,430	10.10%
<b>TOTAL</b>	<b>237,942</b>	<b>100.00%</b>	<b>1,980</b>	<b>100.00%</b>	<b>73,337</b>	<b>100.00%</b>	<b>162,625</b>	<b>100.00%</b>

## 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	181,110	76.12%	929	46.92%	56,555	77.12%	123,626	76.02%
Talking on Hands Free Device	191	0.08%	4	0.20%	64	0.09%	123	0.08%
Talking on Hand Held Device	273	0.11%	3	0.15%	84	0.11%	186	0.11%
Passenger	569	0.24%	8	0.40%	232	0.32%	329	0.20%
Other Activity with an Electronic Device	1,079	0.45%	5	0.25%	400	0.55%	674	0.41%
Manually Operating an Electronic Device	613	0.26%	7	0.35%	204	0.28%	402	0.25%
Other Inside the Vehicle (eating, drinking, etc.)	2,169	0.91%	14	0.71%	772	1.05%	1,383	0.85%
Outside the Vehicle (includes unspecified distractions)	1,694	0.71%	8	0.40%	571	0.78%	1,115	0.69%
Distracted Unknown Reason	2,069	0.87%	13	0.66%	689	0.94%	1,367	0.84%
Unknown	48,175	20.25%	989	49.95%	13,766	18.77%	33,420	20.55%
<b>TOTAL</b>	<b>237,942</b>	<b>100.00%</b>	<b>1,980</b>	<b>100.00%</b>	<b>73,337</b>	<b>100.00%</b>	<b>162,625</b>	<b>100.00%</b>

Table 5 – 14

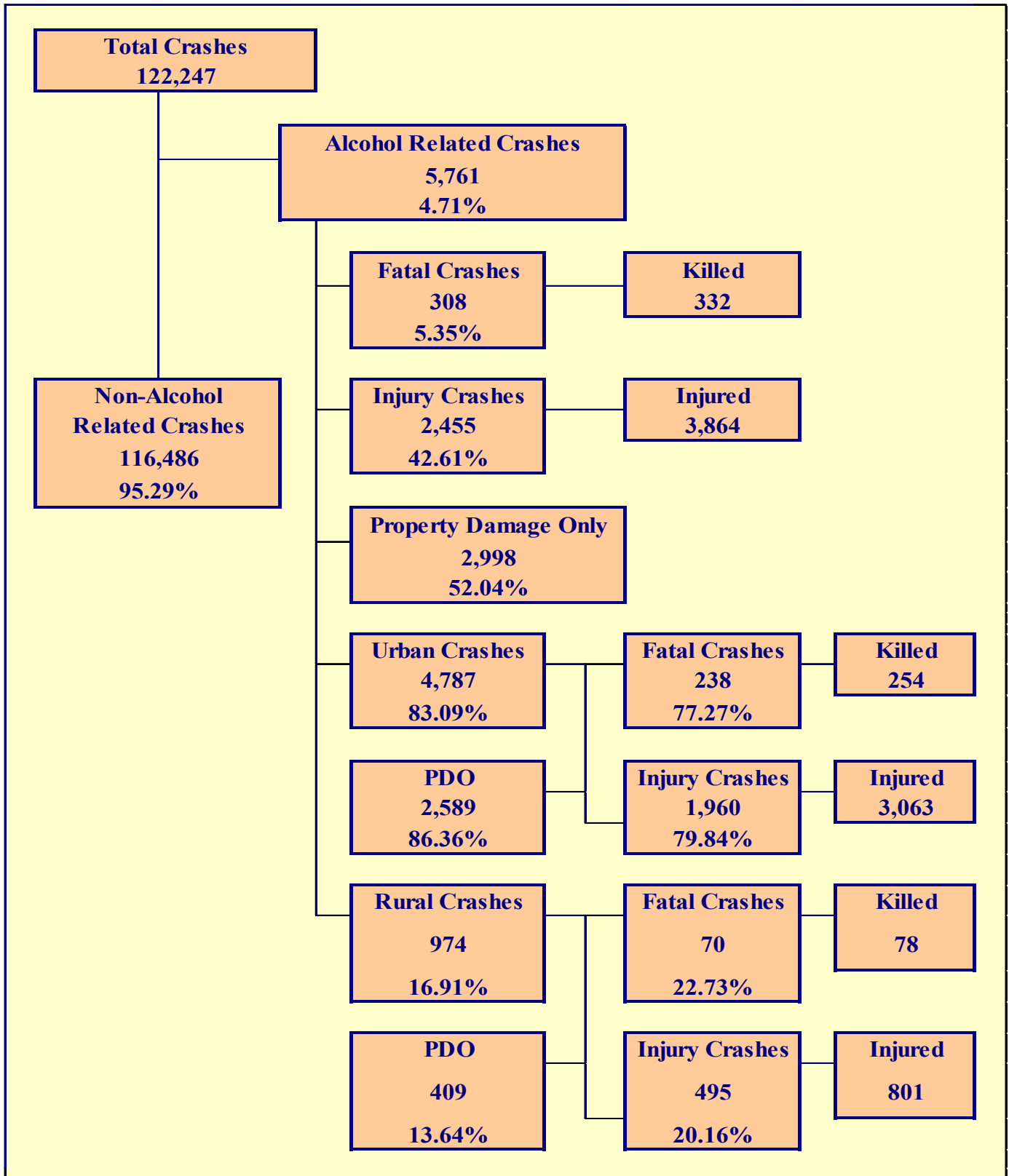
### Secondary Crashes

Secondary Crash	Number of Crashes				Number of Persons	
	Total	Fatal	Injury	PDO	Killed	Injured
Yes	1,588	24	576	988	32	960
No	120,423	1,090	36,451	82,882	1,187	53,142
Unknown	236	83	48	105	88	96
<b>TOTAL</b>	<b>122,247</b>	<b>1,197</b>	<b>37,075</b>	<b>83,975</b>	<b>1,307</b>	<b>54,198</b>

Table 5 – 15

### Road Rage Crashes

Road Rage	Number of Crashes				Number of Persons	
	Total	Fatal	Injury	PDO	Killed	Injured
Yes	967	7	214	746	9	323
No	121,280	1,190	36,861	83,229	1,298	53,875
<b>TOTAL</b>	<b>122,247</b>	<b>1,197</b>	<b>37,075</b>	<b>83,975</b>	<b>1,307</b>	<b>54,198</b>



## 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 bicyclist 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 2023**

Fatalities	\$3,159,103,172
Suspected Serious Injuries	\$331,400,398
Suspected Minor Injuries	\$277,236,388
Possible Injuries	\$144,712,435
Property Damage Only	\$32,018,640
<b>TOTAL</b>	<b>\$3,944,471,033</b>

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
<b>2019</b>	5,005	3.81%	258	26.33%	3,048	5.59%
<b>2020</b>	4,567	4.61%	229	21.73%	2,894	6.96%
<b>2021</b>	5,649	4.64%	254	21.27%	3,628	7.01%
<b>2022</b>	5,607	4.66%	312	23.64%	3,592	6.83%
<b>2023</b>	5,761	4.71%	332	25.40%	3,864	7.13%

**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
<b>Angle</b>	505	14.59%	23	10.27%	260	16.97%	222	13.01%
<b>Left Turn</b>	369	10.66%	22	9.82%	193	12.60%	154	9.03%
<b>Rear End</b>	1,378	39.80%	33	14.73%	577	37.66%	768	45.02%
<b>Head-On</b>	259	7.48%	36	16.07%	135	8.81%	88	5.16%
<b>Sideswipe (same)</b>	431	12.45%	2	0.89%	131	8.55%	298	17.47%
<b>Sideswipe (opposite)</b>	135	3.90%	5	2.23%	53	3.46%	77	4.51%
<b>U-Turn</b>	26	0.75%	3	1.34%	10	0.65%	13	0.76%
<b>Other*</b>	339	9.79%	98	43.75%	160	10.44%	81	4.75%
<b>Unknown</b>	20	0.58%	2	0.89%	13	0.85%	5	0.29%
<b>TOTAL</b>	<b>3,462</b>	<b>100.00%</b>	<b>224</b>	<b>100.00%</b>	<b>1,532</b>	<b>100.00%</b>	<b>1,706</b>	<b>100.00%</b>

Note: Includes only multi-unit alcohol related crashes

\*Other includes pedestrian and bicycle 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	2,710	126	1,233	1,351	143	2,372
Overturning	226	19	165	42	20	213
Collision with Pedestrian	217	81	136	0	82	154
Collision with Bicyclist	19	5	14	0	5	14
Collision with Animal	6	0	4	2	0	4
Collision with Fixed Object	2,006	73	727	1,206	78	883
Collision with Non-fixed Object*	571	2	175	394	2	223
Vehicle Fire or Explosion	3	0	0	3	0	0
Other Non-collision**	2	1	1	0	1	1
Unknown	1	1	0	0	1	0
<b>TOTAL</b>	<b>5,761</b>	<b>308</b>	<b>2,455</b>	<b>2,998</b>	<b>332</b>	<b>3,864</b>
*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.)	2,746	48.931%	85	1,105	1,556
Station Wagons	1,111	19.797%	45	467	599
Pickup Trucks	904	16.108%	46	386	472
Vans	71	1.265%	3	28	40
Truck Tractor (with or without Semi-Trailer)	11	0.196%	2	2	7
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	0.018%	0	1	0
Wrecker or Tow Trucks	0	0.000%	0	0	0
Other Truck Combinations	148	2.637%	1	57	90
School Bus	0	0.000%	0	0	0
Commercial or Non-Commercial Bus	0	0.000%	0	0	0
Motorcycle (two or three wheel)	186	3.314%	54	120	12
All Terrain Vehicle or Cycle	16	0.285%	3	12	1
Golf Carts	5	0.089%	0	3	2
Moped	0	0.000%	0	0	0
Recreational Vehicle	2	0.036%	0	0	2
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	0	0.000%	0	0	0
Vehicle Type Unknown	411	7.324%	4	180	227
<b>TOTAL</b>	<b>5,612</b>	<b>100.00%</b>	<b>243</b>	<b>2,361</b>	<b>3,008</b>

## 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	1,685	75	740	870	83	1,261
Dawn	80	4	32	44	4	53
Dusk	186	10	76	100	11	129
Dark - Lighted	2,929	145	1,200	1,584	156	1,799
Dark - Not Lighted	814	54	388	372	56	586
Dark - Unknown Lighting	35	3	11	21	4	22
Unknown	32	17	8	7	18	14
<b>TOTAL</b>	<b>5,761</b>	<b>308</b>	<b>2,455</b>	<b>2,998</b>	<b>332</b>	<b>3,864</b>

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	5,311	220	2,249	2,842	290	3,692
Wet	194	7	71	116	12	110
Snow/Slush	20	0	10	10	0	14
Ice/Frost	7	0	5	2	0	5
Water (standing or moving)	4	0	2	2	1	4
Mud, Dirt, Gravel, Sand	37	0	18	19	0	25
Other	3	0	0	3	0	0
Unknown	36	16	6	14	29	14
<b>TOTAL</b>	<b>5,612</b>	<b>243</b>	<b>2,361</b>	<b>3,008</b>	<b>332</b>	<b>3,864</b>

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	4,080	72.70%	191	78.60%	1,716	72.68%	2,173	72.24%
Female	1,489	26.53%	52	21.40%	635	26.90%	802	26.66%
Unknown	43	0.77%	0	0.00%	10	0.42%	33	1.10%
<b>TOTAL</b>	<b>5,612</b>	<b>100.00%</b>	<b>243</b>	<b>100.00%</b>	<b>2,361</b>	<b>100.00%</b>	<b>3,008</b>	<b>100.00%</b>

*In total crashes across the state, 55.26% of the drivers were males. When alcohol was involved, males accounted for 72.70% 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
<b>15 &amp; Under</b>	9	0.16%	1	0.41%	5	0.21%	3	0.10%
<b>16</b>	21	0.37%	1	0.41%	10	0.42%	10	0.33%
<b>17</b>	55	0.98%	3	1.23%	27	1.14%	25	0.83%
<b>18</b>	101	1.80%	4	1.65%	46	1.95%	51	1.70%
<b>19</b>	127	2.26%	7	2.88%	59	2.50%	61	2.03%
<b>20</b>	152	2.71%	9	3.70%	53	2.24%	90	2.99%
<b>21</b>	200	3.56%	7	2.88%	90	3.81%	103	3.42%
<b>22</b>	212	3.78%	13	5.35%	71	3.01%	128	4.26%
<b>23</b>	203	3.62%	7	2.88%	76	3.22%	120	3.99%
<b>24</b>	198	3.53%	6	2.47%	86	3.64%	106	3.52%
<b>25-34</b>	1,768	31.50%	86	35.39%	746	31.60%	936	31.12%
<b>35-44</b>	1,095	19.51%	41	16.87%	477	20.20%	577	19.18%
<b>45-54</b>	663	11.81%	26	10.70%	265	11.22%	372	12.37%
<b>55-64</b>	481	8.57%	29	11.93%	215	9.11%	237	7.88%
<b>65-74</b>	208	3.71%	2	0.82%	95	4.02%	111	3.69%
<b>75 &amp; Older</b>	45	0.80%	1	0.41%	19	0.80%	25	0.83%
<b>Unknown</b>	74	1.32%	0	0.00%	21	0.89%	53	1.76%
<b>TOTAL</b>	<b>5,612</b>	<b>100.00%</b>	<b>243</b>	<b>100.00%</b>	<b>2,361</b>	<b>100.00%</b>	<b>3,008</b>	<b>100.00%</b>

**Table 6 – 10  
When Alcohol Related Crashes Occurred in 2023**

Time of Day	Total	Weekday	Weekend*
<b>Daytime**</b>	1,656	1,017	639
<b>Nighttime</b>	4,105	1,651	2,454
<b>Total</b>	<b>5,761</b>	<b>2,668</b>	<b>3,093</b>
*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
<b>No Injury</b>	180	33	2,203	5	1	1,006	3,428
<b>Unknown Injury</b>	11	0	75	0	0	186	272
<b>Possible Injury</b>	68	8	318	3	0	146	543
<b>Suspected Minor Injury</b>	185	5	477	24	0	248	939
<b>Suspected Serious Injury</b>	103	2	73	15	1	79	273
<b>Fatal Injury</b>	85	0	18	23	0	31	157
<b>TOTALS</b>	<b>632</b>	<b>48</b>	<b>3,164</b>	<b>70</b>	<b>2</b>	<b>1,696</b>	<b>5,612</b>

## 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
<b>0-4</b>	0	0	0	51	27	24	0
<b>5-9</b>	1	1	0	80	40	40	0
<b>10-14</b>	6	4	2	73	34	39	0
<b>15-19</b>	19	12	7	298	174	124	0
<b>20-24</b>	39	30	9	599	362	237	0
<b>25-34</b>	90	74	16	1,003	636	367	0
<b>35-44</b>	57	37	20	694	450	244	0
<b>45-54</b>	49	39	10	431	280	151	0
<b>55-64</b>	39	36	3	342	227	115	0
<b>65-74</b>	20	14	6	177	109	68	0
<b>75 &amp; Older</b>	11	8	3	72	41	31	0
<b>Unknown</b>	1	0	1	44	26	16	2
<b>TOTAL</b>	<b>332</b>	<b>255</b>	<b>77</b>	<b>3,864</b>	<b>2,406</b>	<b>1,456</b>	<b>2</b>

**Table 6 – 13**  
**Alcohol Related Crashes by County**

County	Number of Crashes				Number of Persons	
	Total	Fatal	Injury	PDO	Killed	Injured
<b>Apache</b>	27	3	18	6	3	31
<b>Cochise</b>	55	2	29	24	2	44
<b>Coconino</b>	225	9	115	101	11	175
<b>Gila</b>	75	6	38	31	6	59
<b>Graham</b>	24	0	11	13	0	16
<b>Greenlee</b>	12	0	8	4	0	10
<b>La Paz</b>	19	3	7	9	3	13
<b>Maricopa</b>	3,732	204	1,491	2,037	218	2,375
<b>Mohave</b>	229	9	109	111	9	157
<b>Navajo</b>	95	7	46	42	8	78
<b>Pima</b>	571	45	247	279	47	384
<b>Pinal</b>	306	10	148	148	11	248
<b>Santa Cruz</b>	23	1	13	9	4	16
<b>Yavapai</b>	221	5	113	103	6	159
<b>Yuma</b>	147	4	62	81	4	99
<b>TOTAL</b>	<b>5,761</b>	<b>308</b>	<b>2,455</b>	<b>2,998</b>	<b>332</b>	<b>3,864</b>



## Section 6: – Alcohol Related Crashes

Chart 6 – 1

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

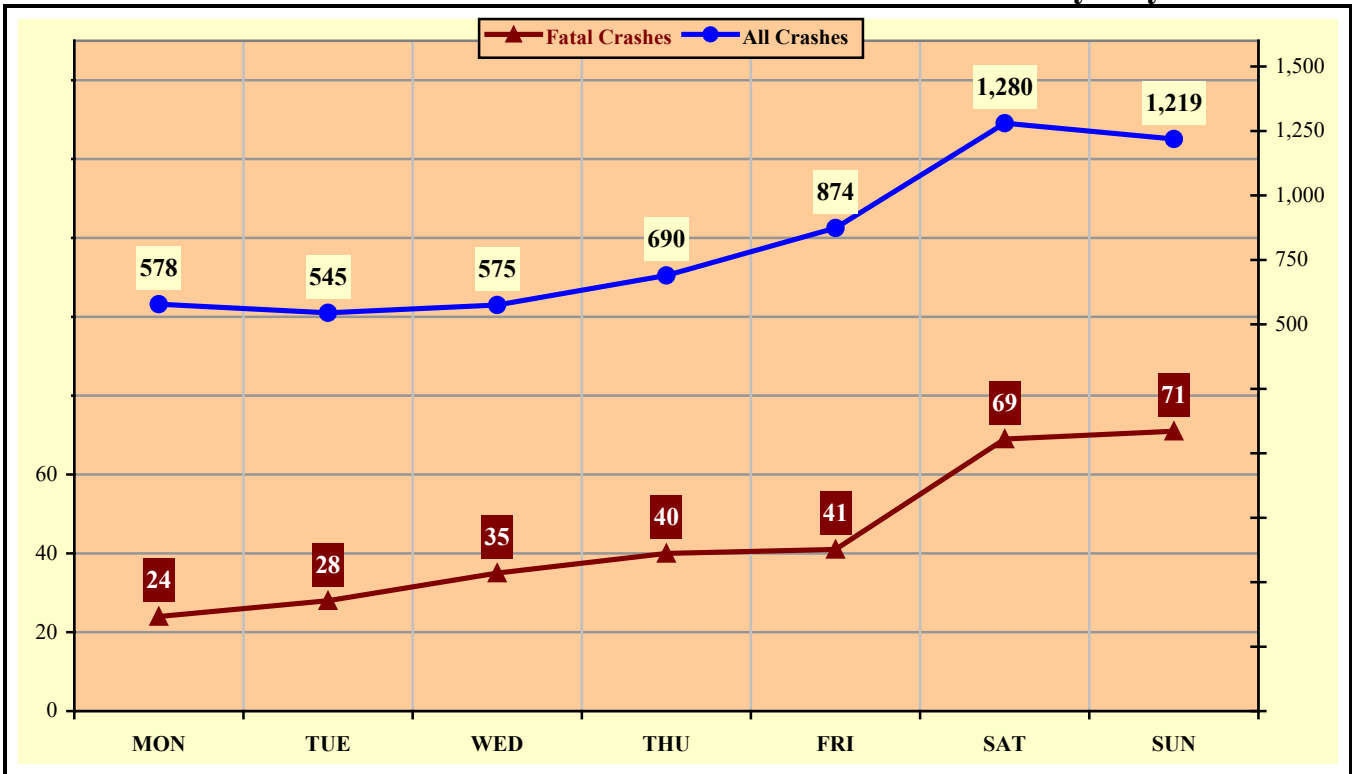
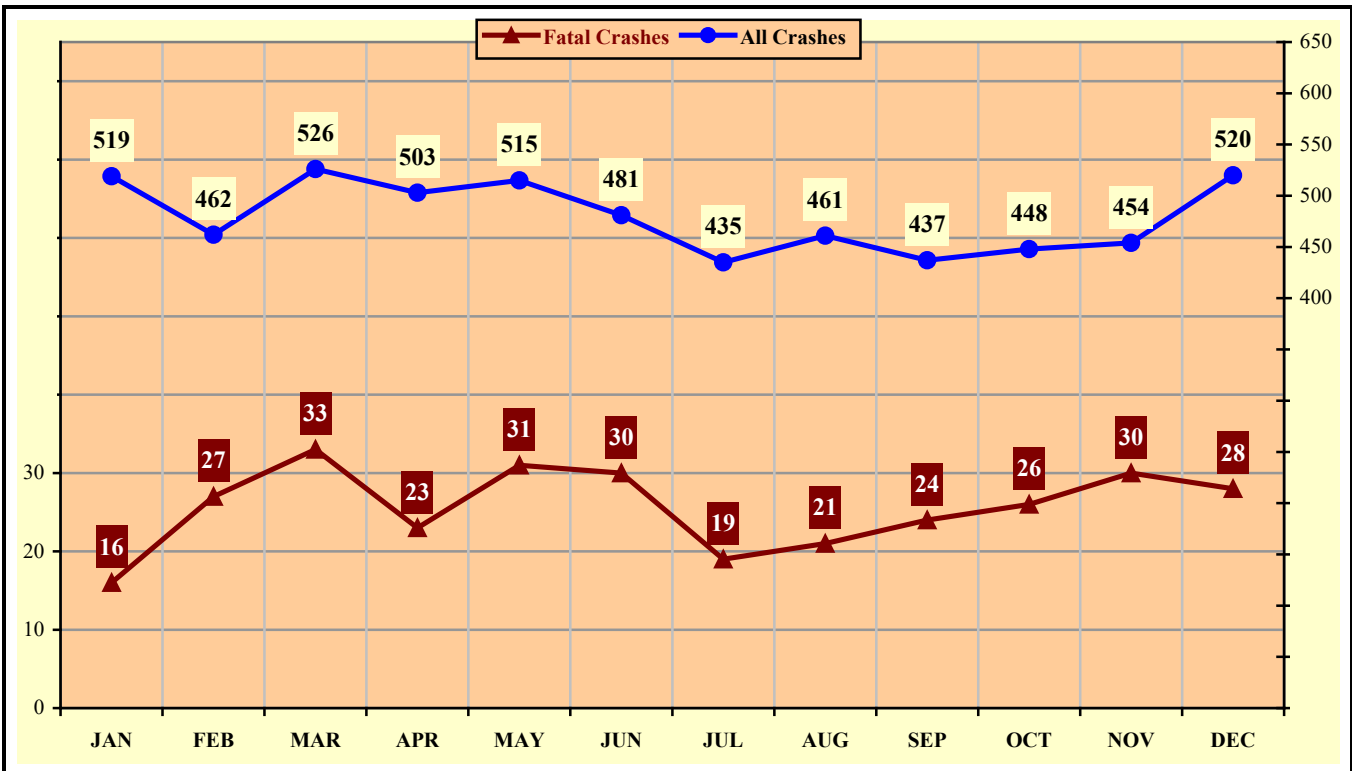


Chart 6 – 2

### 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**

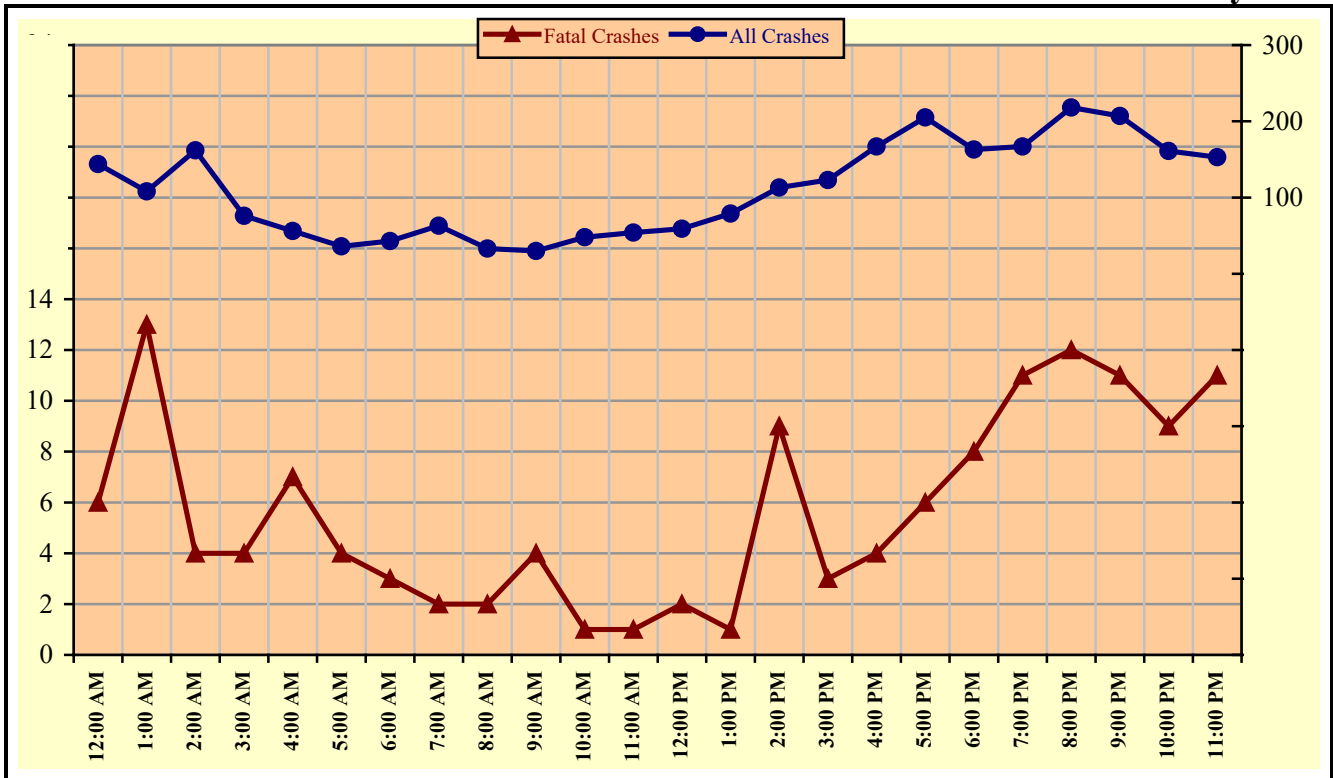
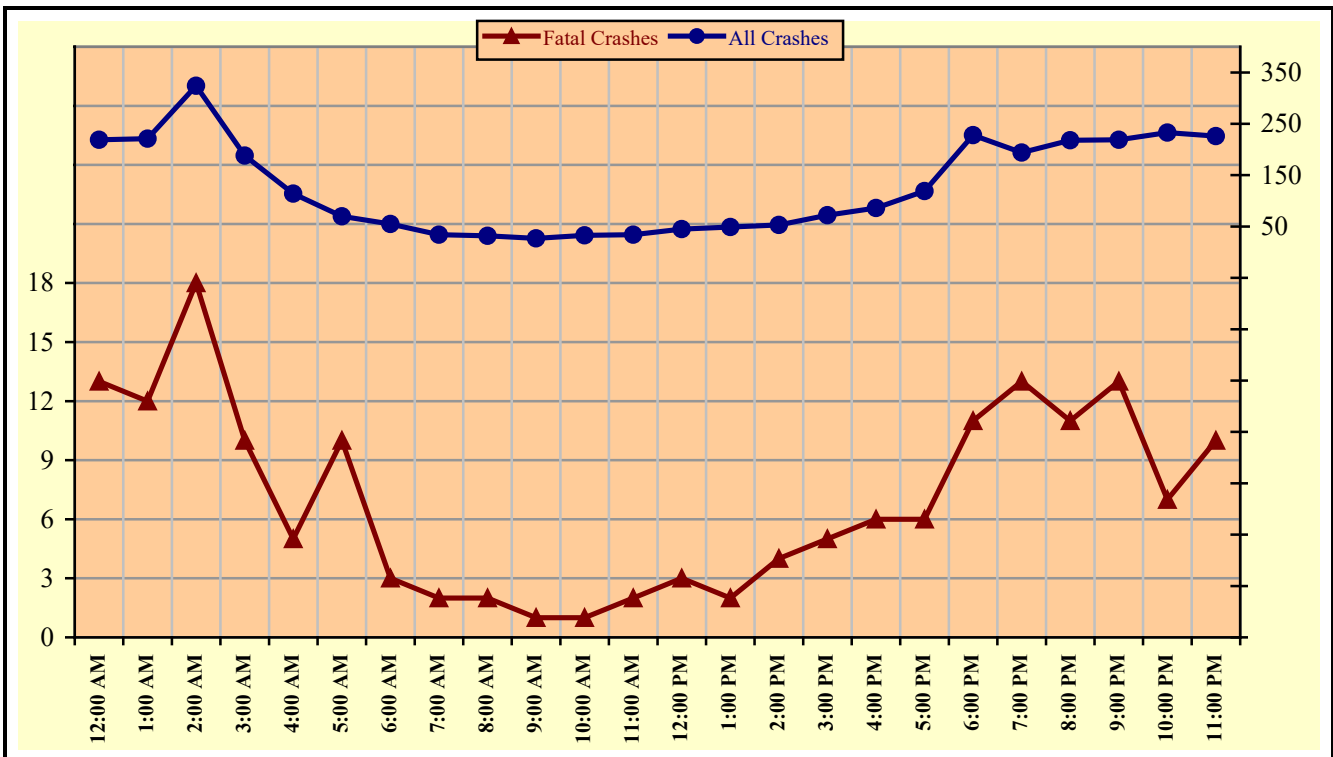


Chart 6 – 4

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



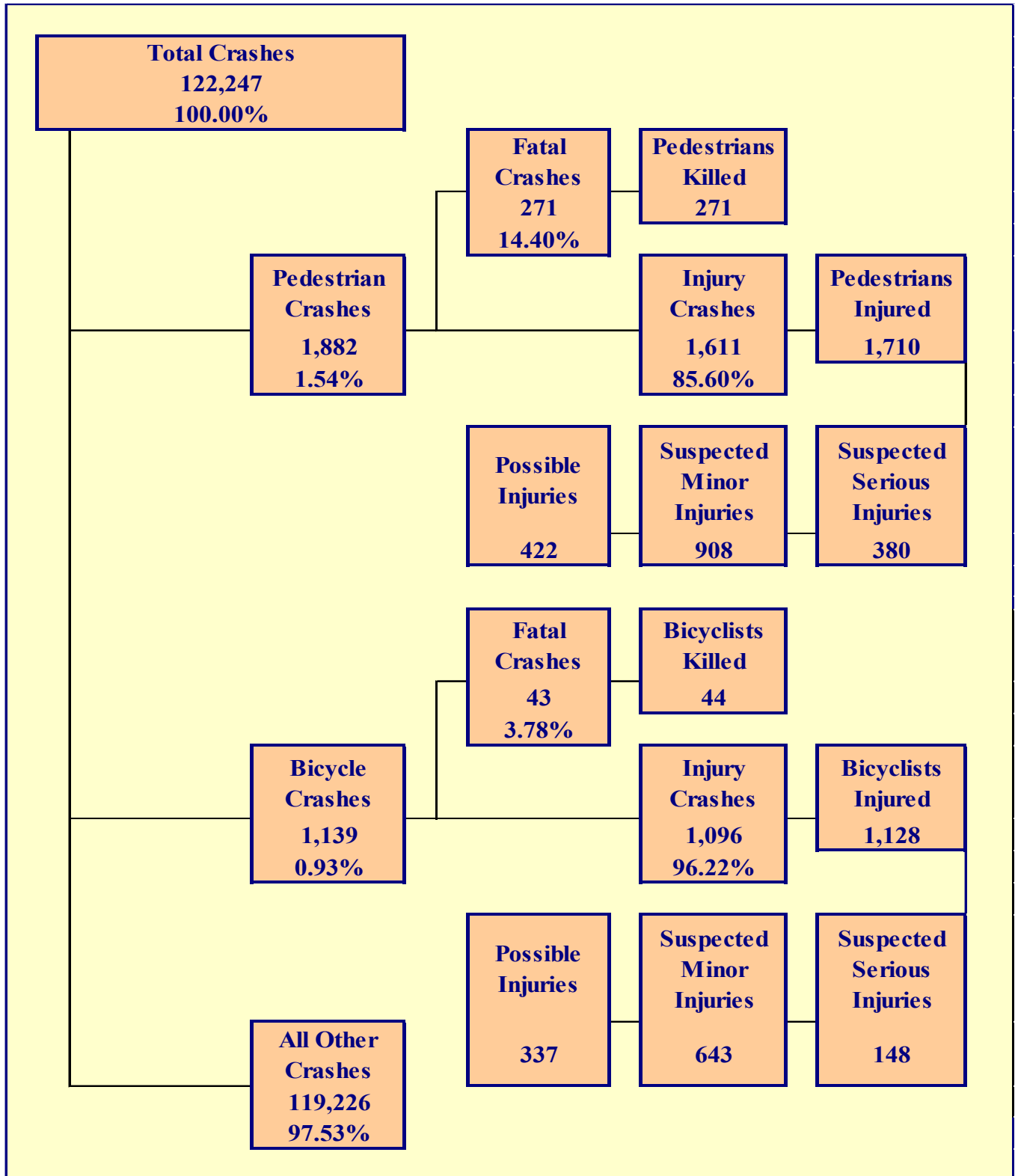
## Section 6: – Alcohol Related Crashes

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	363	19	41	2	25	2	28	1	42	1	49	2	92	6	86	5	144	6	219	13
1:00 AM	329	25	30	3	24	3	22	3	26	3	36	4	83	4	108	5	108	13	221	12
2:00 AM	486	22	36	1	22	0	35	1	47	2	58	1	137	8	151	9	162	4	324	18
3:00 AM	264	14	21	0	18	0	12	1	20	2	26	1	78	5	89	5	76	4	188	10
4:00 AM	170	12	16	1	10	3	10	1	17	0	19	3	46	2	52	2	56	7	114	5
5:00 AM	106	14	12	1	8	1	9	2	9	1	10	0	30	3	28	6	36	4	70	10
6:00 AM	98	6	10	0	5	1	9	0	8	2	11	0	24	1	31	2	43	3	55	3
7:00 AM	97	4	21	2	5	0	12	0	11	0	14	0	13	0	21	2	63	2	34	2
8:00 AM	65	4	5	0	5	0	6	1	10	1	7	0	17	0	15	2	33	2	32	2
9:00 AM	57	5	8	0	3	1	6	0	5	1	8	2	15	0	12	1	30	4	27	1
10:00 AM	81	2	10	0	11	0	8	0	9	1	10	0	13	1	20	0	48	1	33	1
11:00 AM	88	3	6	0	10	0	8	0	14	0	16	1	17	2	17	0	54	1	34	2
12:00 PM	104	5	15	1	10	1	10	0	15	0	9	0	20	1	25	2	59	2	45	3
1:00 PM	128	3	18	0	18	0	16	1	13	0	14	0	30	2	19	0	79	1	49	2
2:00 PM	166	13	21	2	29	2	18	1	20	2	25	2	25	2	28	2	113	9	53	4
3:00 PM	195	8	22	0	30	2	17	0	28	0	26	1	36	0	36	5	123	3	72	5
4:00 PM	253	10	22	0	27	1	32	1	36	0	50	2	51	4	35	2	167	4	86	6
5:00 PM	324	12	31	0	33	0	44	3	49	3	48	0	60	3	59	3	205	6	119	6
6:00 PM	391	19	39	2	39	2	34	2	51	2	78	6	79	3	71	2	163	8	228	11
7:00 PM	361	24	39	2	37	3	46	5	45	1	61	5	70	4	63	4	167	11	194	13
8:00 PM	436	23	51	5	55	1	55	4	57	2	62	3	89	5	67	3	218	12	218	11
9:00 PM	426	24	32	0	46	3	54	2	75	6	77	3	78	6	64	4	207	11	219	13
10:00 PM	394	16	33	1	39	1	47	4	42	3	81	1	87	3	65	3	161	9	233	7
11:00 PM	379	21	39	1	36	1	37	2	41	7	79	4	90	4	57	2	153	11	226	10
<b>TOTAL</b>	<b>5,761</b>	<b>308</b>	<b>578</b>	<b>24</b>	<b>545</b>	<b>28</b>	<b>575</b>	<b>35</b>	<b>690</b>	<b>40</b>	<b>874</b>	<b>41</b>	<b>1,280</b>	<b>69</b>	<b>1,219</b>	<b>71</b>	<b>2,668</b>	<b>138</b>	<b>3,093</b>	<b>170</b>

*Crashes during Weekends accounted for 53.69% of all Alcohol Related crashes and 55.19% of Alcohol Related Fatal Crashes.*



## Section 7: – Pedestrian and Bicycle Crashes

Table 7 – 1

### Pedestrians Killed and Injured By Age and Gender

Age Group	Pedestrians Killed			Pedestrians Injured		
	Total	Male	Female	Total	Male	Female
<b>0-4</b>	1	1	0	25	17	8
<b>5-9</b>	3	3	0	40	24	16
<b>10-14</b>	7	3	4	91	56	35
<b>15-19</b>	5	2	3	167	85	82
<b>20-24</b>	15	11	4	194	123	71
<b>25-34</b>	48	37	11	322	218	104
<b>35-44</b>	53	44	9	268	173	95
<b>45-54</b>	36	26	10	179	112	67
<b>55-64</b>	44	38	6	222	150	72
<b>65-74</b>	35	26	9	120	65	55
<b>75 &amp; Older</b>	21	13	8	63	39	24
<b>Unknown</b>	3	1	2	19	14	5
<b>TOTAL</b>	<b>271</b>	<b>205</b>	<b>66</b>	<b>1,710</b>	<b>1,076</b>	<b>634</b>

Table 7 – 2

### Pedestrian Crashes by Geographic Location

Category	Total	Urban	Percent of Total	Rural	Percent of Total
<b>Total Crashes</b>	1,882	1,765	93.78%	117	6.22%
<b>Fatal Crashes</b>	271	232	85.61%	39	14.39%
<b>Injury Crashes</b>	1,611	1,533	95.16%	78	4.84%
<b>Pedestrians Killed</b>	271	231	85.24%	40	14.76%
<b>Pedestrians Injured</b>	1,710	1,625	95.03%	85	4.97%

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
<b>2019</b>	1,866	1.42%	218	22.24%	1,725	3.16%
<b>2020</b>	1,533	1.55%	235	22.30%	1,361	3.27%
<b>2021</b>	1,733	1.42%	261	21.86%	1,550	2.99%
<b>2022</b>	1,899	1.58%	309	23.41%	1,673	3.18%
<b>2023</b>	1,882	1.54%	271	20.73%	1,710	3.16%

## Section 7: – Pedestrian and Bicycle 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	146	0	1	4	1	10	21	32	20	21	22	14	0
Walking With Traffic	10	0	0	1	1	0	1	0	1	4	2	0	0
Walking Against Traffic	15	0	0	0	1	0	5	2	2	4	1	0	0
Standing	19	0	1	1	0	1	5	3	2	3	2	1	0
Lying	10	0	0	0	0	1	3	3	1	2	0	0	0
Getting on/off Vehicle	2	0	0	0	0	1	1	0	0	0	0	0	0
Other	11	0	1	1	0	0	2	3	1	0	1	1	1
Unknown	58	1	0	0	2	2	10	10	9	10	7	5	2
<b>TOTAL</b>	<b>271</b>	<b>1</b>	<b>3</b>	<b>7</b>	<b>5</b>	<b>15</b>	<b>48</b>	<b>53</b>	<b>36</b>	<b>44</b>	<b>35</b>	<b>21</b>	<b>3</b>

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	1,186	14	29	77	123	131	215	176	119	159	83	46	14
Walking With Traffic	99	2	1	2	13	8	18	20	10	11	11	3	0
Walking Against Traffic	93	1	1	2	11	10	22	11	10	13	7	5	0
Standing	127	3	2	3	5	13	29	27	22	12	6	5	0
Lying	14	1	0	0	0	0	5	3	1	2	1	1	0
Getting on/off Vehicle	15	0	0	1	0	3	1	2	0	4	3	1	0
Other	119	3	4	6	13	25	21	14	11	14	4	2	2
Unknown	57	1	3	0	2	4	11	15	6	7	5	0	3
<b>TOTAL</b>	<b>1,710</b>	<b>25</b>	<b>40</b>	<b>91</b>	<b>167</b>	<b>194</b>	<b>322</b>	<b>268</b>	<b>179</b>	<b>222</b>	<b>120</b>	<b>63</b>	<b>19</b>

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
No Apparent Influence	1,328	67.04%	58	20.07%	1,270	75.06%
Alcohol	187	9.44%	75	25.95%	112	6.62%
Illegal Drugs	66	3.33%	44	15.22%	22	1.30%
Medications	0	0.00%	0	0.00%	0	0.00%
Marijuana	11	0.56%	11	3.81%	0	0.00%
Illness or Physical Impairment	7	0.35%	1	0.35%	6	0.35%
Fell Asleep or Fatigued	1	0.05%	0	0.00%	1	0.06%
Other	8	0.40%	1	0.35%	7	0.41%
Unknown	373	18.83%	99	34.26%	274	16.19%
<b>TOTAL</b>	<b>1,981</b>	<b>100.00%</b>	<b>289</b>	<b>100.00%</b>	<b>1,692</b>	<b>100.00%</b>

## Section 7: – Pedestrian and Bicycle Crashes

Table 7 – 7

### Lighting Conditions in Pedestrian Crashes

Type of Lighting Conditions	Number of Crashes		
	Total	Fatal	Injury
Daylight	909	47	862
Dawn	28	2	26
Dusk	52	6	46
Dark - Lighted	665	128	537
Dark - Not Lighted	165	47	118
Dark - Unknown Lighting	18	6	12
Unknown	45	35	10
<b>TOTAL</b>	<b>1,882</b>	<b>271</b>	<b>1,611</b>

Table 7 – 8

### Weather Conditions in Pedestrian Crashes

Type of Weather Conditions	Number of Crashes		
	Total	Fatal	Injury
Clear	1,673	205	1,468
Cloudy	103	7	96
Sleet/Hail	1	0	1
Rain	30	5	25
Snow or Blowing Snow	3	0	3
Blowing Sand, Soil, Dirt	2	0	2
Fog, Smog, Smoke	0	0	0
Other	1	0	1
Unknown	69	54	15
<b>TOTAL</b>	<b>1,882</b>	<b>271</b>	<b>1,611</b>

Table 7 – 9

### Bicyclists Killed and Injured by Age and Gender

Age Group	Bicyclists Killed			Bicyclists Injured		
	Total	Male	Female	Total	Male	Female
0-4	0	0	0	1	1	0
5-9	0	0	0	17	11	6
10-14	1	1	0	87	68	19
15-19	0	0	0	140	115	25
20-24	1	1	0	91	69	22
25-34	7	7	0	183	132	51
35-44	6	6	0	178	136	42
45-54	5	4	1	129	102	27
55-64	9	6	3	180	152	28
65-74	10	8	2	82	66	16
75 & Older	5	5	0	24	21	3
Unknown	0	0	0	16	15	1
<b>TOTAL</b>	<b>44</b>	<b>38</b>	<b>6</b>	<b>1,128</b>	<b>888</b>	<b>240</b>

## Section 7: – Pedestrian and Bicycle Crashes

Table 7 – 10

### Bicycle Crashes by Geographic Location

Category	Total	Urban	Percent of Total	Rural	Percent of Total
<b>Total Crashes</b>	1,139	1,056	92.71%	83	7.29%
<b>Fatal Crashes</b>	43	36	83.72%	7	16.28%
<b>Injury Crashes</b>	1,096	1,020	93.07%	76	6.93%
<b>Bicyclists Killed</b>	44	37	84.09%	7	15.91%
<b>Bicyclists Injured</b>	1,128	1,046	92.73%	82	7.27%

Table 7 – 11

### Bicycle Crash History

Year	Bicycle Crashes	Percent of all Crashes	Bicyclists Killed	Percent of all Fatalities	Bicyclists Injured	Percent of all Injuries
<b>2019</b>	1,284	0.98%	30	3.06%	1,267	2.32%
<b>2020</b>	834	0.84%	32	3.04%	817	1.97%
<b>2021</b>	1,033	0.85%	45	3.77%	1,011	1.95%
<b>2022</b>	1,165	0.97%	49	3.71%	1,133	2.16%
<b>2023</b>	1,139	0.93%	44	3.37%	1,128	2.08%

Table 7 – 12

### Lighting Conditions in Bicycle Crashes

Type of Lighting Conditions	Number of Crashes		
	Total	Fatal	Injury
<b>Daylight</b>	834	17	817
<b>Dawn</b>	25	1	24
<b>Dusk</b>	33	3	30
<b>Dark - Lighted</b>	190	14	176
<b>Dark - Not Lighted</b>	46	4	42
<b>Dark - Unknown Lighting</b>	3	1	2
<b>Unknown</b>	8	3	5
<b>TOTAL</b>	<b>1,139</b>	<b>43</b>	<b>1,096</b>

Table 7 – 13

### Weather Conditions in Bicycle Crashes

Type of Weather Conditions	Number of Crashes		
	Total	Fatal	Injury
<b>Clear</b>	1,039	36	1,003
<b>Cloudy</b>	72	2	70
<b>Sleet/Hail</b>	0	0	0
<b>Rain</b>	14	1	13
<b>Snow or Blowing Snow</b>	1	0	1
<b>Blowing Sand, Soil, Dirt</b>	1	0	1
<b>Fog, Smog, Smoke</b>	0	0	0
<b>Other</b>	1	0	1
<b>Unknown</b>	11	4	7
<b>TOTAL</b>	<b>1,139</b>	<b>43</b>	<b>1,096</b>



## Section 7: – Pedestrian and Bicycle Crashes

Table 7 – 14  
**Pedestrian Crashes by County**

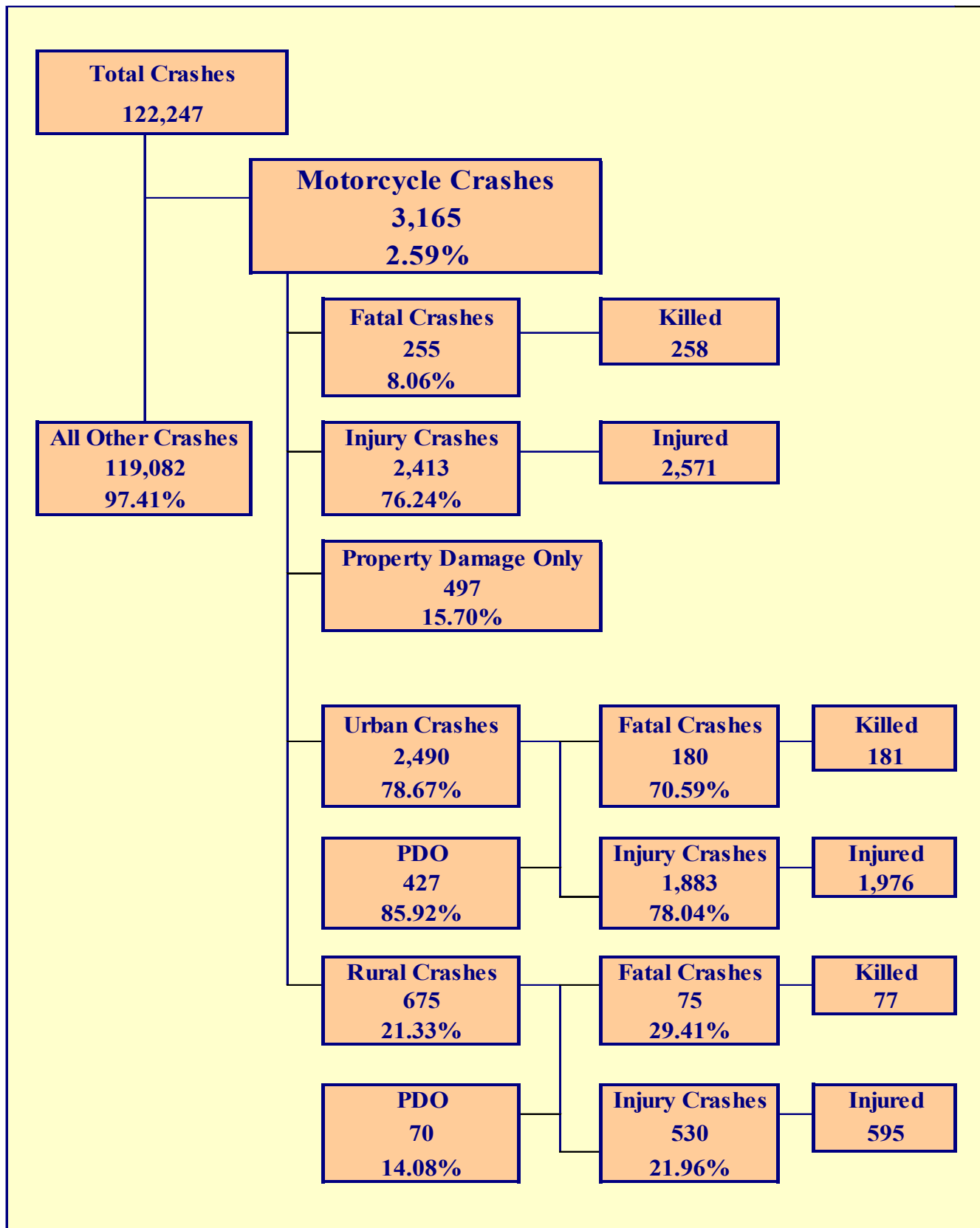
County	Number of Crashes			Number of Pedestrians	
	Total	Fatal	Injury	Killed	Injured
Apache	4	4	0	4	0
Cochise	9	1	8	1	9
Coconino	53	4	49	4	52
Gila	14	3	11	3	11
Graham	5	1	4	1	4
Greenlee	0	0	0	0	0
La Paz	4	1	3	1	3
Maricopa	1,371	179	1,192	179	1,260
Mohave	42	7	35	7	38
Navajo	14	7	7	7	7
Pima	242	46	196	45	212
Pinal	45	9	36	10	39
Santa Cruz	6	0	6	0	6
Yavapai	37	5	32	5	34
Yuma	36	4	32	4	35
<b>TOTAL</b>	<b>1,882</b>	<b>271</b>	<b>1,611</b>	<b>271</b>	<b>1,710</b>

*Maricopa and Pima Counties accounted for 82.66% of pedestrian fatalities.*

Table 7 – 15  
**Bicycle Crashes by County**

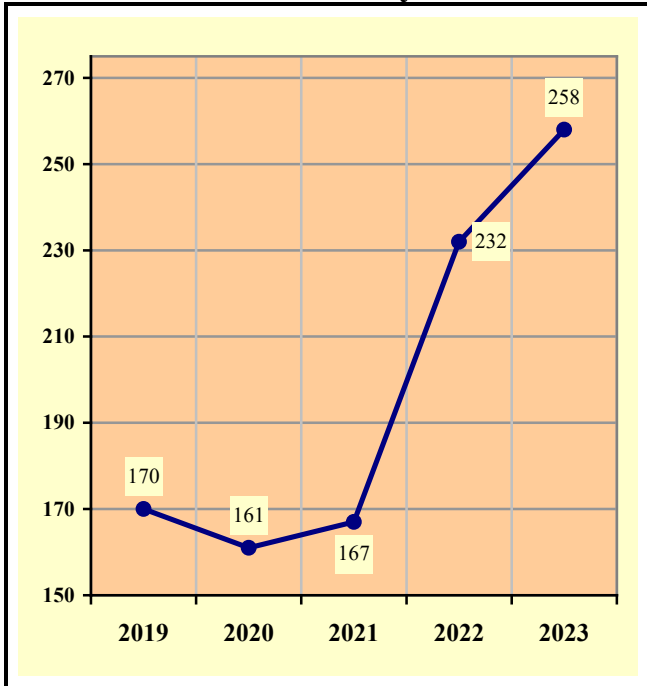
County	Number of Crashes			Number of Bicyclists	
	Total	Fatal	Injury	Killed	Injured
Apache	0	0	0	0	0
Cochise	12	0	12	0	12
Coconino	27	1	26	1	30
Gila	5	0	5	0	5
Graham	0	0	0	0	0
Greenlee	0	0	0	0	0
La Paz	3	1	2	1	2
Maricopa	796	29	767	30	792
Mohave	26	2	24	2	24
Navajo	7	0	7	0	7
Pima	150	8	142	8	144
Pinal	53	2	51	2	52
Santa Cruz	1	0	1	0	1
Yavapai	27	0	27	0	27
Yuma	32	0	32	0	32
<b>TOTAL</b>	<b>1,139</b>	<b>43</b>	<b>1,096</b>	<b>44</b>	<b>1,128</b>

*Maricopa and Pima Counties accounted for 83.06% of bicycle crashes.*



## Section 8: – Motorcycle (MC) Crashes

**Chart 8 – 1  
MC Fatalities by Year**

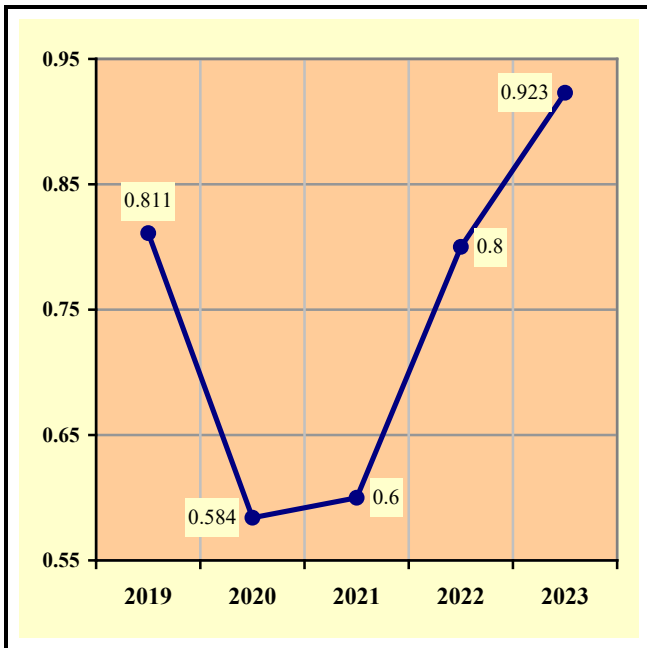


**Chart 8 – 2  
MC Registrations in Arizona**

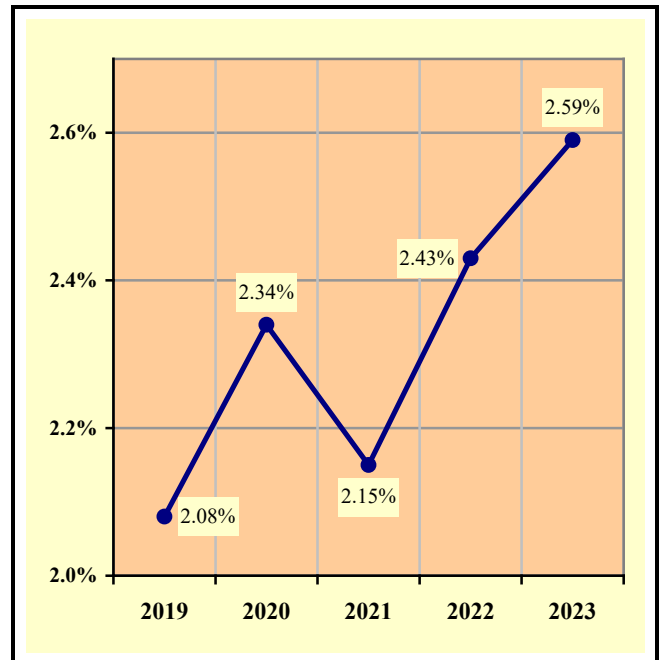


Total Point-in-Time of Registered Motorcycles at the end of  
Calendar year 2023.  
(Source: MVD - Currently Registered Vehicles by County Listing (motorcycle  
sub category), reports dated 12/31/2023.)

**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	1,980	154	1,434	392
Overturning	474	29	418	27
Collision with Pedestrian	8	1	7	0
Collision with Bicyclist	10	0	10	0
Collision with Animal	39	2	35	2
Collision with Fixed Object	419	57	326	36
Collision with Non-fixed Object*	223	2	181	40
Vehicle Fire or Explosion	2	0	2	0
Other Non-collision**	0	0	0	0
Unknown	10	10	0	0
<b>TOTAL</b>	<b>3,165</b>	<b>255</b>	<b>2,413</b>	<b>497</b>
*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	2,083	142	1,600	341
Dawn	41	3	33	5
Dusk	108	12	74	22
Dark - Lighted	690	61	533	96
Dark - Not Lighted	202	18	154	30
Dark - Unknown Lighting	11	1	9	1
Unknown	30	18	10	2
<b>TOTAL</b>	<b>3,165</b>	<b>255</b>	<b>2,413</b>	<b>497</b>

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	3,085	230	2,376	479
Wet	60	8	45	7
Snow/Slush	1	0	1	0
Ice/Frost	2	0	2	0
Water (standing or moving)	1	0	0	1
Mud, Dirt, Gravel, Sand	49	1	44	4
Other	6	0	5	1
Unknown	42	24	5	13
<b>TOTAL</b>	<b>3,246</b>	<b>263</b>	<b>2,478</b>	<b>505</b>

## Section 8: – Motorcycle (MC) Crashes

Table 8 – 4

### MC Crashes by Geographic Location

Category	Total	Urban	Percent of Total	Rural	Percent of Total
<b>Total Crashes</b>	3,165	2,490	78.67%	675	21.33%
<b>Fatal Crashes</b>	255	180	70.59%	75	29.41%
<b>Injury Crashes</b>	2,413	1,883	78.04%	530	21.96%
<b>PDO Crashes</b>	497	427	85.92%	70	14.08%
<b>Persons Killed</b>	258	181	70.16%	77	29.84%
<b>Persons Injured</b>	2,571	1,976	76.86%	595	23.14%

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
<b>15 &amp; Under</b>	44	1.36%	1	0.38%	39	1.57%	4	0.79%
<b>16</b>	20	0.62%	1	0.38%	16	0.65%	3	0.59%
<b>17</b>	28	0.86%	2	0.76%	26	1.05%	0	0.00%
<b>18</b>	67	2.06%	7	2.66%	52	2.10%	8	1.58%
<b>19</b>	123	3.79%	7	2.66%	99	4.00%	17	3.37%
<b>20</b>	126	3.88%	7	2.66%	102	4.12%	17	3.37%
<b>21</b>	91	2.80%	3	1.14%	79	3.19%	9	1.78%
<b>22</b>	90	2.77%	4	1.52%	73	2.95%	13	2.57%
<b>23</b>	102	3.14%	7	2.66%	79	3.19%	16	3.17%
<b>24</b>	90	2.77%	6	2.28%	71	2.87%	13	2.57%
<b>25-34</b>	761	23.44%	62	23.57%	605	24.41%	94	18.61%
<b>35-44</b>	479	14.76%	41	15.59%	384	15.50%	54	10.69%
<b>45-54</b>	426	13.12%	41	15.59%	330	13.32%	55	10.89%
<b>55-64</b>	402	12.38%	51	19.39%	295	11.90%	56	11.09%
<b>65-74</b>	220	6.78%	19	7.22%	165	6.66%	36	7.13%
<b>75 &amp; Older</b>	42	1.29%	4	1.52%	31	1.25%	7	1.39%
<b>Unknown</b>	135	4.16%	0	0.00%	32	1.29%	103	20.40%
<b>TOTAL</b>	<b>3,246</b>	<b>100.00%</b>	<b>263</b>	<b>100.00%</b>	<b>2,478</b>	<b>100.00%</b>	<b>505</b>	<b>100.00%</b>

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
<b>No Apparent Influence</b>	2,605	80.25%	72	27.38%	2,144	86.52%	389	77.03%
<b>Alcohol</b>	186	5.73%	54	20.53%	120	4.84%	12	2.38%
<b>Illegal Drugs</b>	29	0.89%	19	7.22%	10	0.40%	0	0.00%
<b>Medications</b>	2	0.06%	1	0.38%	0	0.00%	1	0.20%
<b>Marijuana</b>	34	1.05%	30	11.41%	4	0.16%	0	0.00%
<b>Illness or Physical Impairment</b>	7	0.22%	1	0.38%	5	0.20%	1	0.20%
<b>Fell Asleep or Fatigued</b>	8	0.25%	0	0.00%	7	0.28%	1	0.20%
<b>Other</b>	7	0.22%	0	0.00%	5	0.20%	2	0.40%
<b>Unknown</b>	368	11.34%	86	32.70%	183	7.38%	99	19.60%
<b>TOTAL</b>	<b>3,246</b>	<b>100.00%</b>	<b>263</b>	<b>100.00%</b>	<b>2,478</b>	<b>100.00%</b>	<b>505</b>	<b>100.00%</b>

## 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	217	12.71%	63	10.62%	228	24.10%	508	15.65%
Unknown Injury	21	1.23%	18	3.04%	51	5.39%	90	2.77%
Possible Injury	240	14.06%	75	12.65%	129	13.64%	444	13.68%
Suspected Minor Injury	725	42.47%	204	34.40%	321	33.93%	1,250	38.51%
Suspected Serious Injury	367	21.50%	162	27.32%	174	18.39%	703	21.66%
Fatal Injury	137	8.03%	71	11.97%	43	4.55%	251	7.73%
<b>TOTALS</b>	<b>1,707</b>	<b>100.00%</b>	<b>593</b>	<b>100.00%</b>	<b>946</b>	<b>100.00%</b>	<b>3,246</b>	<b>100.00%</b>

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	6	8.00%	9	14.29%	33	35.11%	48	20.69%
Unknown Injury	0	0.00%	1	1.59%	2	2.13%	3	1.29%
Possible Injury	8	10.67%	8	12.70%	15	15.96%	31	13.36%
Suspected Minor Injury	35	46.67%	23	36.51%	26	27.66%	84	36.21%
Suspected Serious Injury	25	33.33%	18	28.57%	16	17.02%	59	25.43%
Fatal Injury	1	1.33%	4	6.35%	2	2.13%	7	3.02%
<b>TOTALS</b>	<b>75</b>	<b>100.00%</b>	<b>63</b>	<b>100.00%</b>	<b>94</b>	<b>100.00%</b>	<b>232</b>	<b>100.00%</b>

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	1,587	89.06%	572	87.20%	818	78.65%	2,977	85.60%
Female	192	10.77%	83	12.65%	125	12.02%	400	11.50%
Unknown	3	0.17%	1	0.15%	97	9.33%	101	2.90%
<b>TOTAL</b>	<b>1,782</b>	<b>100.00%</b>	<b>656</b>	<b>100.00%</b>	<b>1,040</b>	<b>100.00%</b>	<b>3,478</b>	<b>100.00%</b>

## 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	Gender Unknown
<b>0-4</b>	0	0	0	0	0	0	0
<b>5-9</b>	0	0	0	5	3	2	0
<b>10-14</b>	0	0	0	30	23	7	0
<b>15-19</b>	18	18	0	218	200	18	0
<b>20-24</b>	27	26	1	418	372	46	0
<b>25-34</b>	63	58	5	628	560	68	0
<b>35-44</b>	43	38	5	394	346	48	0
<b>45-54</b>	39	36	3	344	284	60	0
<b>55-64</b>	48	46	2	319	265	54	0
<b>65-74</b>	16	16	0	168	152	16	0
<b>75 &amp; Older</b>	4	4	0	30	28	2	0
<b>Unknown</b>	0	0	0	17	12	0	5
<b>TOTAL</b>	<b>258</b>	<b>242</b>	<b>16</b>	<b>2,571</b>	<b>2,245</b>	<b>321</b>	<b>5</b>

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
<b>No Improper Action</b>	1,473	45.38%	65	24.71%	1,182	47.70%	226	44.75%
<b>Speed too Fast for Conditions</b>	716	22.06%	60	22.81%	575	23.20%	81	16.04%
<b>Exceeded Lawful Speed</b>	75	2.31%	27	10.27%	46	1.86%	2	0.40%
<b>Failed to Yield Right-Of-Way</b>	76	2.34%	6	2.28%	48	1.94%	22	4.36%
<b>Followed Too Closely</b>	82	2.53%	1	0.38%	59	2.38%	22	4.36%
<b>Ran Stop Sign</b>	16	0.49%	2	0.76%	13	0.52%	1	0.20%
<b>Disregarded Traffic Signal</b>	43	1.32%	4	1.52%	34	1.37%	5	0.99%
<b>Made Improper Turn</b>	31	0.96%	0	0.00%	23	0.93%	8	1.58%
<b>Drove Left of Center Line</b>	33	1.02%	4	1.52%	25	1.01%	4	0.79%
<b>Passed in No-Passing Zone</b>	17	0.52%	3	1.14%	12	0.48%	2	0.40%
<b>Unsafe Lane Change</b>	77	2.37%	3	1.14%	59	2.38%	15	2.97%
<b>Failed to Keep in Proper Lane</b>	158	4.87%	34	12.93%	107	4.32%	17	3.37%
<b>Crossed Median</b>	0	0.00%	0	0.00%	0	0.00%	0	0.00%
<b>Aggressive Driving</b>	17	0.52%	1	0.38%	12	0.48%	4	0.79%
<b>Wrong Way Driving</b>	2	0.06%	0	0.00%	1	0.04%	1	0.20%
<b>Other</b>	113	3.48%	4	1.52%	84	3.39%	25	4.95%
<b>Unknown</b>	317	9.77%	49	18.63%	198	7.99%	70	13.86%
<b>TOTAL</b>	<b>3,246</b>	<b>100.00%</b>	<b>263</b>	<b>100.00%</b>	<b>2,478</b>	<b>100.00%</b>	<b>505</b>	<b>100.00%</b>

## Section 8: – Motorcycle (MC) Crashes

Chart 8 – 5

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

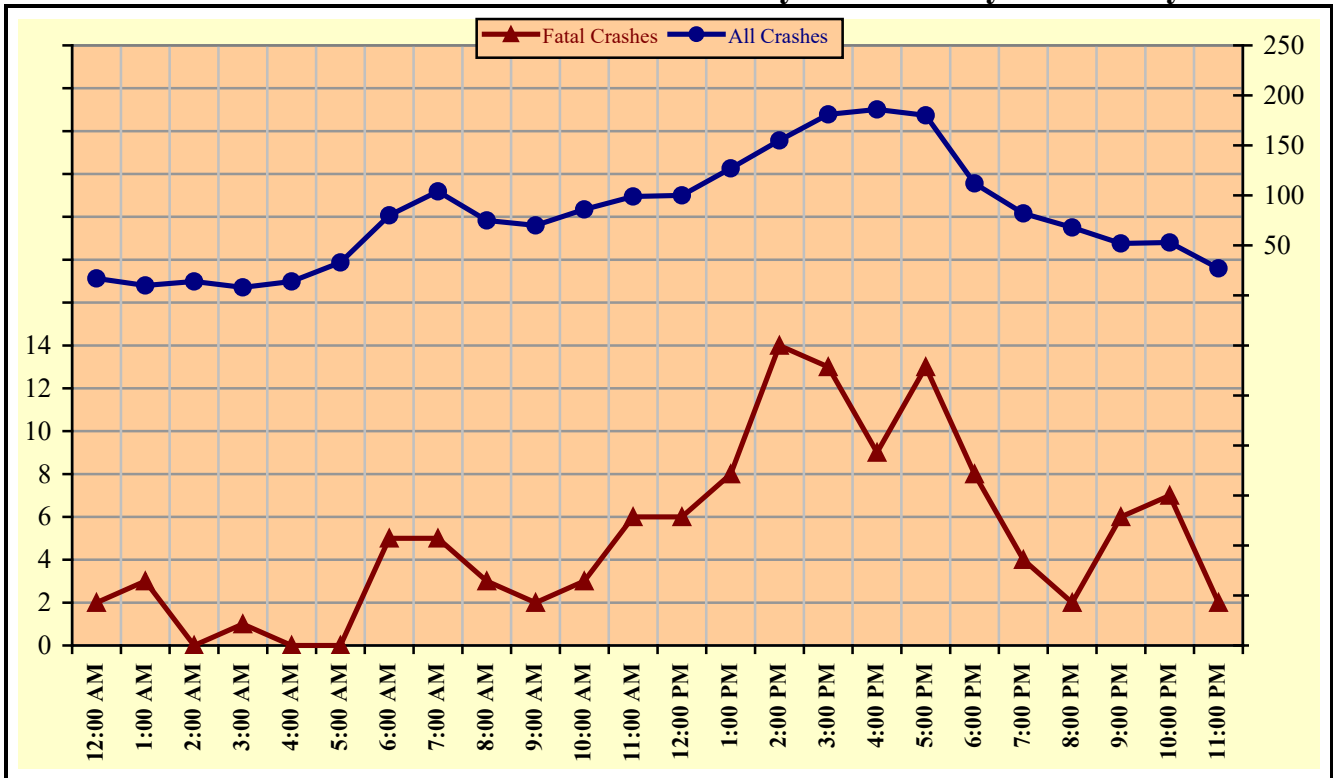
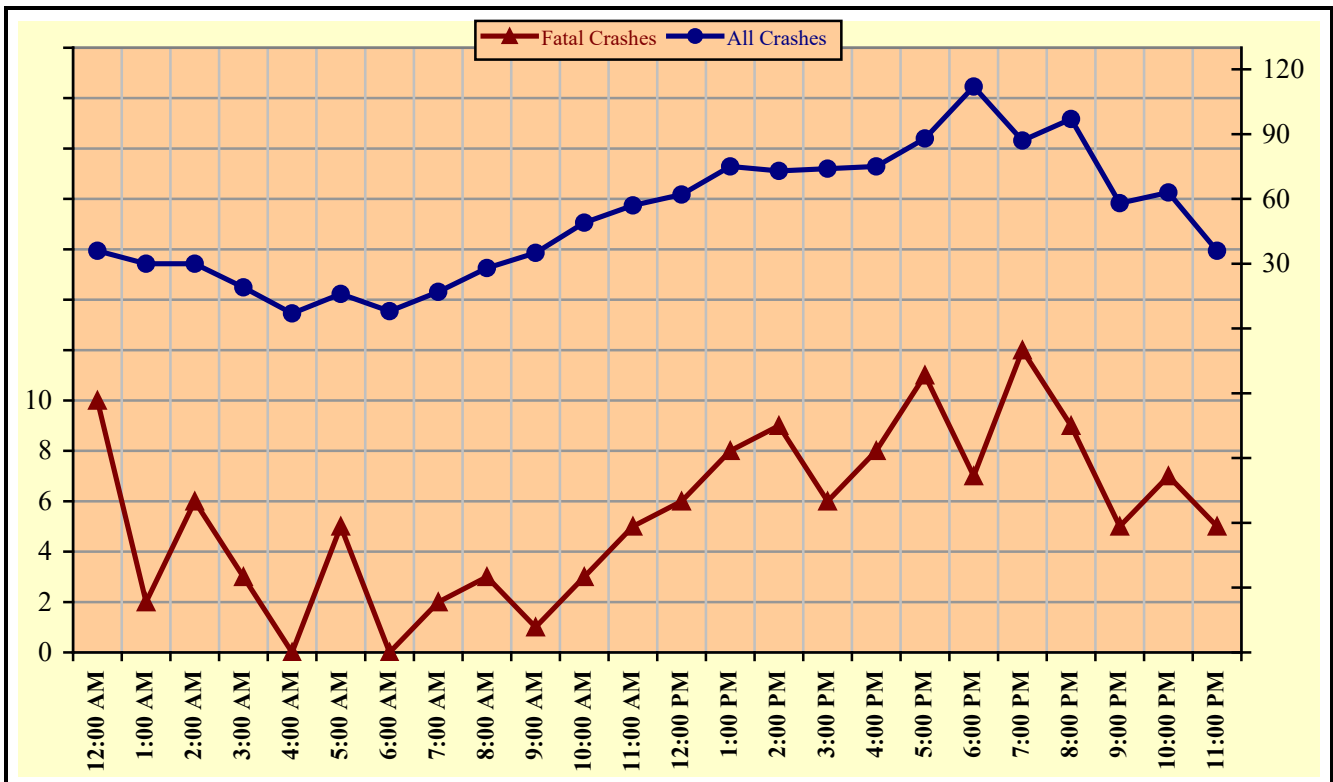


Chart 8 – 6

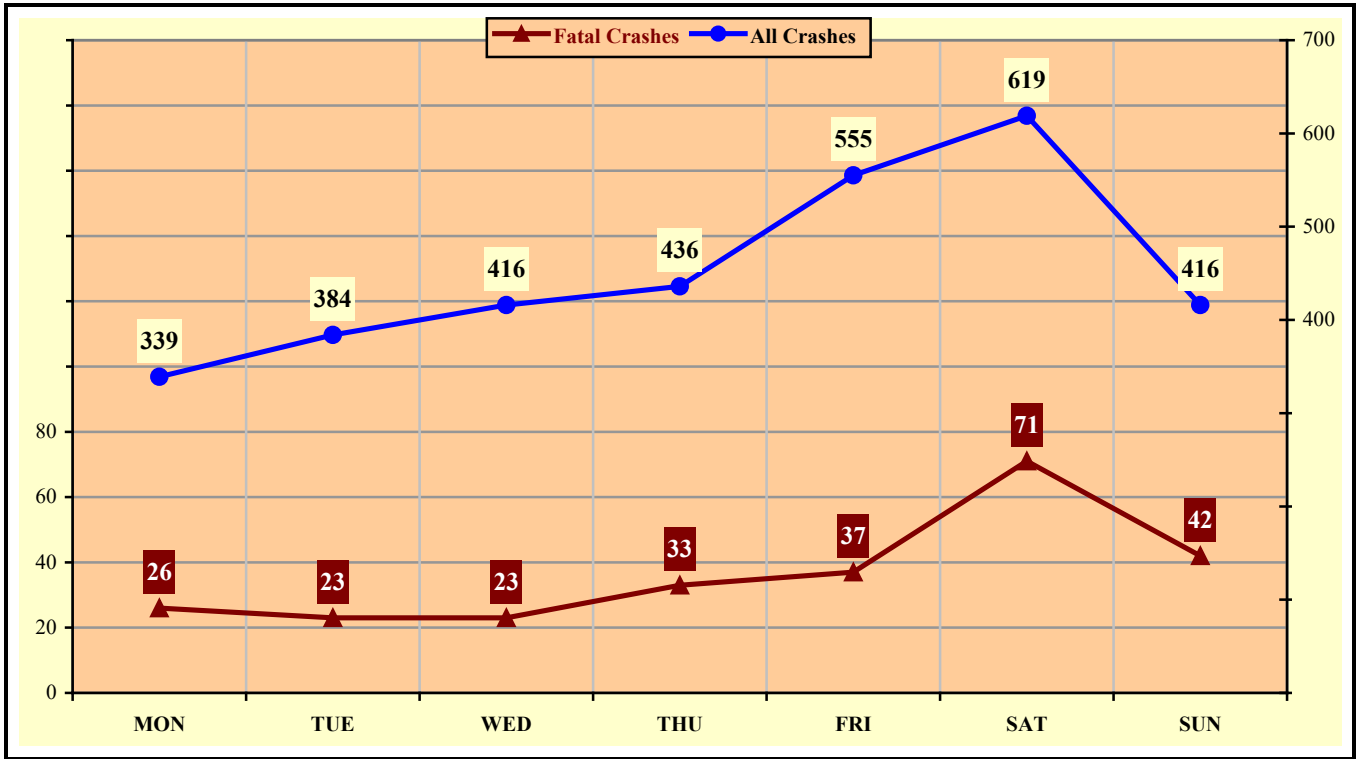
**All MC Crashes vs. Fatal MC Crashes by Time of Day - Weekends**



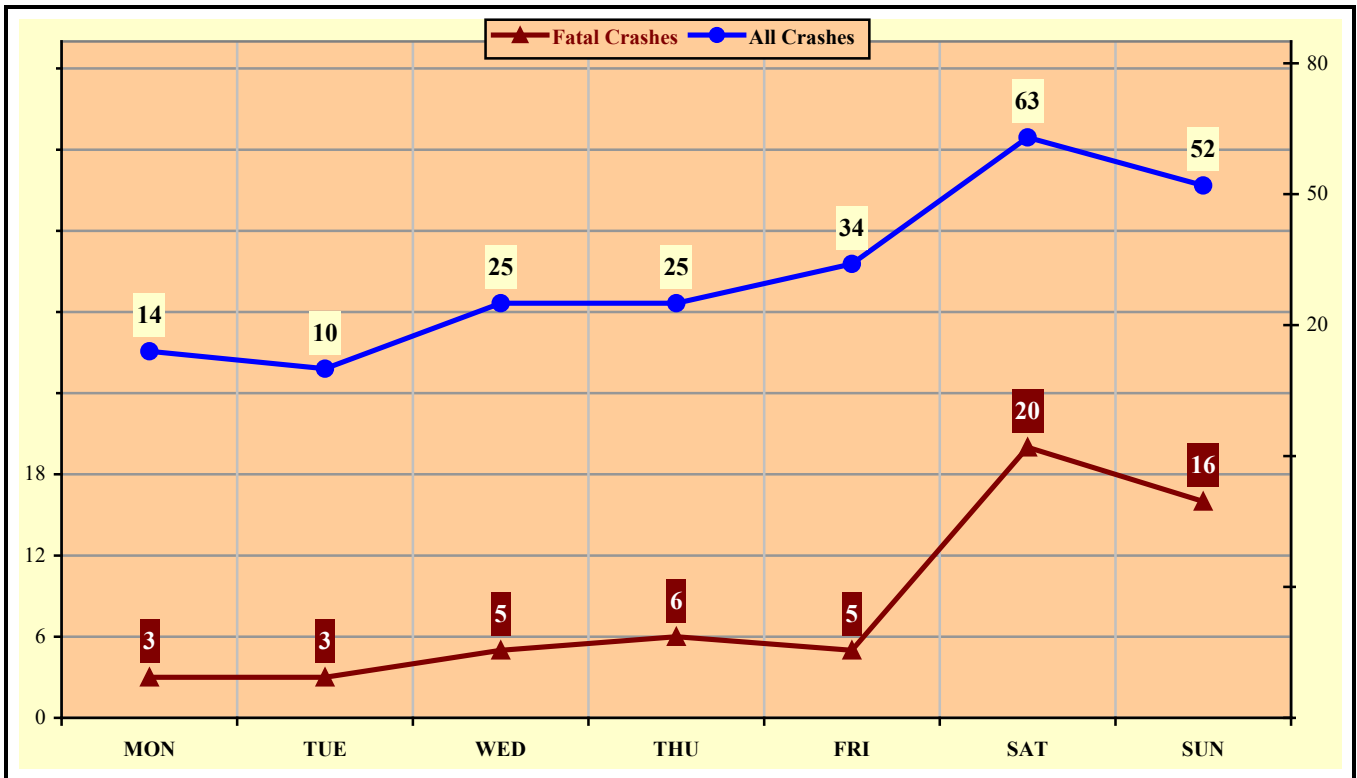


## Section 8: – Motorcycle (MC) Crashes

**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	53	12	6	1	3	1	6	0	4	1	4	0	18	7	12	2	17	2	36	10
1:00 AM	40	5	3	1	0	0	2	0	2	1	6	2	13	1	14	0	10	3	30	2
2:00 AM	44	6	5	2	6	0	2	0	1	0	5	0	10	1	15	3	14	0	30	6
3:00 AM	27	4	3	1	2	0	4	1	0	0	2	0	11	1	5	1	8	1	19	3
4:00 AM	21	0	3	0	3	0	5	0	2	0	4	0	2	0	2	0	14	0	7	0
5:00 AM	49	5	8	2	8	0	7	0	13	0	5	0	4	1	4	2	33	0	16	5
6:00 AM	88	5	14	2	19	0	16	1	17	1	14	1	5	0	3	0	80	5	8	0
7:00 AM	121	7	11	0	32	3	22	0	17	1	22	1	10	0	7	2	104	5	17	2
8:00 AM	103	6	12	0	15	0	9	1	21	2	18	0	12	1	16	2	75	3	28	3
9:00 AM	105	3	15	0	11	0	19	1	12	1	13	0	15	0	20	1	70	2	35	1
10:00 AM	135	6	13	0	15	1	12	0	21	1	25	1	37	3	12	0	86	3	49	3
11:00 AM	156	11	19	2	15	1	13	0	20	2	32	1	36	3	21	2	99	6	57	5
12:00 PM	162	12	16	1	17	1	19	1	15	0	33	3	33	2	29	4	100	6	62	6
1:00 PM	202	16	24	3	20	1	25	2	21	1	37	1	43	6	32	2	127	8	75	8
2:00 PM	228	23	24	2	24	2	27	3	31	3	49	4	44	5	29	4	155	14	73	9
3:00 PM	255	19	22	0	41	4	41	1	28	2	49	6	41	1	33	5	181	13	74	6
4:00 PM	261	17	34	1	38	1	35	2	50	5	29	0	41	4	34	4	186	9	75	8
5:00 PM	268	24	30	1	33	1	34	1	44	6	39	4	44	8	44	3	180	13	88	11
6:00 PM	224	15	22	4	21	2	33	1	36	1	50	0	45	6	17	1	112	8	112	7
7:00 PM	169	16	13	0	23	1	20	2	26	1	33	4	45	8	9	0	82	4	87	12
8:00 PM	165	11	16	0	15	1	15	1	22	0	26	3	41	5	30	1	68	2	97	9
9:00 PM	110	11	10	2	7	1	20	2	15	1	19	2	28	2	11	1	52	6	58	5
10:00 PM	116	14	12	1	10	0	19	3	12	3	28	2	26	5	9	0	53	7	63	7
11:00 PM	63	7	4	0	6	2	11	0	6	0	13	2	15	1	8	2	27	2	36	5
<b>TOTAL</b>	<b>3,165</b>	<b>255</b>	<b>339</b>	<b>26</b>	<b>384</b>	<b>23</b>	<b>416</b>	<b>23</b>	<b>436</b>	<b>33</b>	<b>555</b>	<b>37</b>	<b>619</b>	<b>71</b>	<b>416</b>	<b>42</b>	<b>1,933</b>	<b>122</b>	<b>1,232</b>	<b>133</b>

*Crashes during Weekends accounted for 38.93% of all MC crashes and 52.16% 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	10	1	8	1	1	9
Cochise	51	2	44	5	2	49
Coconino	77	10	59	8	10	63
Gila	44	3	37	4	3	46
Graham	14	0	11	3	0	12
Greenlee	12	1	10	1	1	12
La Paz	13	1	10	2	1	10
Maricopa	2,019	156	1,525	338	158	1,600
Mohave	157	11	125	21	11	141
Navajo	29	4	21	4	4	25
Pima	294	34	223	37	34	236
Pinal	186	14	138	34	15	150
Santa Cruz	12	0	11	1	0	12
Yavapai	162	13	127	22	13	140
Yuma	85	5	64	16	5	66
<b>TOTAL</b>	<b>3,165</b>	<b>255</b>	<b>2,413</b>	<b>497</b>	<b>258</b>	<b>2,571</b>

*Maricopa and Pima Counties accounted for 74.42% of MC fatalities.*

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	366	17.45%	30	17.44%	277	18.43%	59	13.95%
Left Turn	538	25.64%	70	40.70%	412	27.41%	56	13.24%
Rear End	600	28.60%	25	14.53%	417	27.74%	158	37.35%
Head-On	66	3.15%	7	4.07%	42	2.79%	17	4.02%
Sideswipe (same)	334	15.92%	8	4.65%	232	15.44%	94	22.22%
Sideswipe (opposite)	37	1.76%	5	2.91%	20	1.33%	12	2.84%
U-Turn	45	2.14%	5	2.91%	33	2.20%	7	1.65%
Other*	92	4.39%	18	10.47%	58	3.86%	16	3.78%
Unknown	20	0.95%	4	2.33%	12	0.80%	4	0.95%
<b>TOTAL</b>	<b>2,098</b>	<b>100.00%</b>	<b>172</b>	<b>100.00%</b>	<b>1,503</b>	<b>100.00%</b>	<b>423</b>	<b>100.00%</b>

Note: Includes only multi-unit MC crashes

\*Other includes pedestrian and bicycle crashes

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*National Highway Transportation Safety Administration*