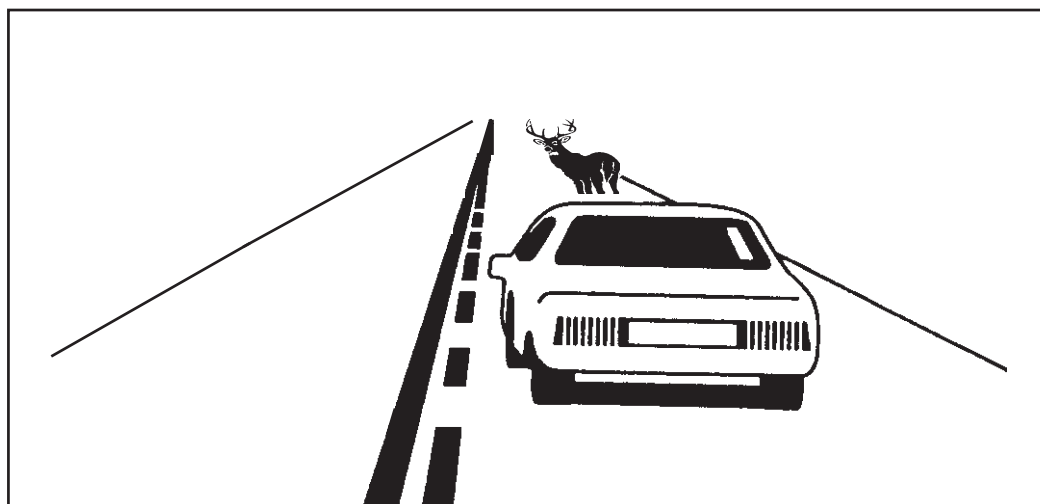


# **MISSOURI STATE HIGHWAY PATROL**



## **ANALYSIS OF DEER INVOLVEMENT IN MISSOURI TRAFFIC CRASHES 2006**

**Prepared By  
Public Information and Education Division  
and the  
Missouri Statistical Analysis Center**

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# CONTENTS

	<b>Page</b>
INTRODUCTION .....	1
1. METHODOLOGY .....	1
2. DISCUSSION OF FINDINGS .....	2
3. FINDINGS .....	3

## TABLES

Page

### 2006 MISSOURI DEER CRASHES

1.	2006 Missouri Traffic Crashes, Deer Strike Involvement .....	4
2.	2006 Missouri Deer Crashes, Area Classification by Crash Severity .....	5
3.	2006 Missouri Deer Crashes, Road Curvature by Crash Severity .....	5
4.	2006 Missouri Deer Crashes, Road Incline by Crash Severity .....	5
5.	2006 Missouri Deer Crashes, Road Conditions by Crash Severity .....	6
6.	2006 Missouri Deer Crashes, Highway Classification by Crash Severity .....	6
7.	2006 Missouri Deer Crashes, Highway Classification by Area Classification and Crash Severity .....	7
8.	2006 Missouri Deer Crashes, Type of Vehicle Striking Deer by Crash Severity .....	10
9.	Vehicles Striking Deer in 2006 Missouri Crashes, Driver Involvement by Crash Severity .....	11
10.	Drivers of Vehicles Striking Deer in 2006 Missouri Crashes, Sex of Driver by Crash Severity .....	11
11.	Drivers of Vehicles Striking Deer in 2006 Missouri Crashes, Age of Driver by Crash Severity .....	12
12.	Drivers of Vehicles Striking Deer in 2006 Missouri Crashes, Driver's License State and Type by Crash Severity .....	13
13.	2006 Missouri Deer Crashes, County Quartile Analysis .....	14
14.	2006 Missouri Deer Crashes, City Listing .....	16

## FIGURES

### 2006 MISSOURI DEER CRASHES

1.	Missouri Traffic Safety Deer Involvement Problem Analysis Clock, 2006 .....	4
2.	2006 Missouri Deer Crashes, Month of Year .....	8
3.	2006 Missouri Deer Crashes, Day of Week .....	8
4.	2006 Missouri Deer Crashes, Hour of Day .....	9

## INTRODUCTION

In recent years, Missouri traffic safety authorities have expressed concern over (1) animal-vehicle crashes involving deer and (2) crashes caused by drivers avoiding deer on roadways. This is one in a series of reports designed to identify the seriousness and characteristics of deer-involved traffic crashes on Missouri's public roadways.

### 1. METHODOLOGY

Perviously, data from the National Highway Traffic Safety Administration (NHTSA), Fatality Analysis Reporting System (FARS) were used to analyze deer-involved fatal crashes in the State. Due to the delay in obtaining FARS data, analysis of those fatal crashes where drivers made evasive maneuvers to avoid deer and no deer were struck but their evasive maneuvers contributed to the cause of the traffic crash will no longer be available in this report. That data may still be obtained from NHTSA.

Data from the Missouri Statewide Traffic Accident Records System (STARS) will be used for this report. Using STARS data, all 2006 Missouri traffic crashes where a deer was struck as part of the first harmful event were identified and analyzed (not just fatal crashes). However, this information source was limited in that it did not contain data identifying traffic crashes involving a deer avoidance maneuver where the animal was **not** struck. As a result, analysis could not be conducted on the deer avoidance maneuver problem associated with all Missouri traffic crashes.

## 2. DISCUSSION OF FINDINGS

The following is a discussion of findings obtained from an analysis of Missouri's 2006 traffic crashes related to deer involvement:

- In 2006, Missouri had 3,530 traffic crashes where deer-vehicle strikes occurred in the first harmful event. One deer strike occurred every 2.5 hours in the State.
- In 2006, 3 people were killed and 364 injured in these types of crashes. One person was killed or injured every 23.9 hours.
- Of all deer strike traffic crashes, 31.3% occurred in an urban area and 68.7% occurred in a rural area of the State. Even though rural areas seem to be overrepresented, the eight highest ranking Missouri counties experiencing this problem are associated with major metropolitan areas. These include: Jackson, St. Louis, Platte, Clay Jefferson, Franklin, St. Charles, and Boone. Deer strike traffic crashes in these counties account for 43.3% of the total.
- Nearly four out of five, or 78.5%, of the 2006 deer strike crashes occurred on State-maintained roadways. The greatest proportion occurred on State Numbered Routes (27.3%), followed closely by U.S. Highways (21.7%) and State Lettered Routes (17.1%). An additional 12.2% occurred on Interstates and City Streets, and 7.7 % on County Roads.
- Calculations show slightly less than half, or 46.5%, of the 2006 deer strike crashes occurred from October through December, with the largest proportion in November (23.3%). When discussing this with the Missouri Department of Conservation, they suggested the major cause of increased roadway crossings by deer during this period is mating season. The peak occurs about mid-November. In addition, deer hunting season also may cause an increase in roadway crossings. The slight increase in deer-involved crashes noted in the spring months may be attributed to yearling fawns dispersing from their mothers just prior to the arrival of newborns.
- Friday, Saturday, and Sunday were the most likely weekdays for deer strike crashes to occur. Nearly one-half, or 44.9%, occurred on these three days in 2006.
- The majority of deer strike crashes occurred from 5:00 p.m. through 6:59 a.m. This time period accounted for 85.1% of the total.
- Of the drivers striking deer, 60.7% were male and 39.3% were female. The average age of the driver was 39.6 years.
- Of the drivers striking deer, 87.2% had a Missouri driver's license, 12.4% had an out-of-state driver's license, and 0.4% were unlicensed at the time of the crash.

### **3. FINDINGS**

The following is a series of tables and figures which characterize Missouri's 2006 deer strike traffic crash problem.

**2006 MISSOURI TRAFFIC CRASHES**

**DEER STRIKE INVOLVEMENT**

	FATAL		PERSONAL INJURY		PROPERTY DAMAGE		TOTAL		TOTAL NUMBER <sup>1</sup> KILLED INJURED		DRIVERS/PASSENGERS OF VEHICLES STRIKING DEER <sup>2</sup> KILLED INJURED	
	%		%		%		%		%		%	
DEER INVOLVED	3	0.3	296	0.7	3,231	2.6	3,530	2.1	3	364	2.1	358
OTHER INVOLVEMENT	968	99.7	41,842	99.3	120,803	97.4	163,613	97.9	1,093	61,714	97.9	-
<b>TOTAL</b>	971	100.0	42,138	100.0	124,034	100.0	167,143	100.0	1,096	62,078	100.0	358

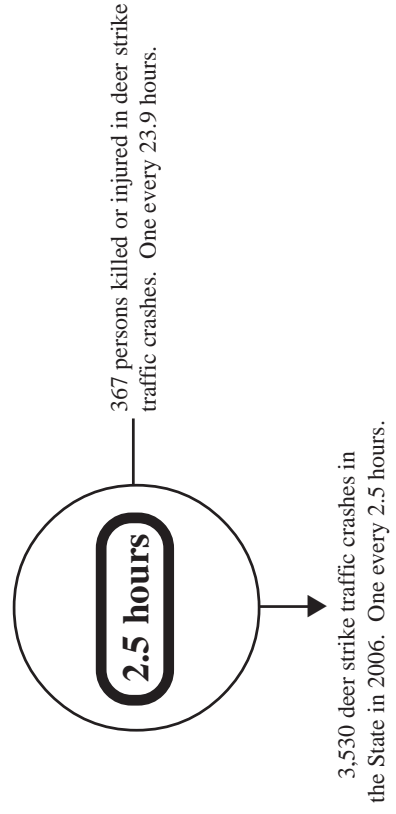
<sup>1</sup>This statistic indicates the total number of persons killed and injured in a crash where a deer was struck during the first harmful event in a crash.

<sup>2</sup>This statistic indicates the number of drivers and passengers of vehicles striking deer during the first harmful event in a crash who were killed and injured.

**TABLE 2**

**MISSOURI TRAFFIC SAFETY DEER INVOLVEMENT  
PROBLEM ANALYSIS CLOCK**

2006



**FIGURE 1**

**2006 MISSOURI DEER CRASHES**

**AREA CLASSIFICATION BY CRASH SEVERITY**

	<b>FATAL</b>	<b>%</b>	<b>PERSONAL INJURY</b>	<b>%</b>	<b>PROPERTY DAMAGE</b>	<b>%</b>	<b>TOTAL</b>	<b>%</b>
URBAN	1	33.3	74	25.0	1,028	31.8	1,103	31.3
RURAL	2	66.7	222	75.0	2,203	68.2	2,427	68.7
<b>TOTAL</b>	<b>3</b>	<b>100.0</b>	<b>296</b>	<b>100.0</b>	<b>3,231</b>	<b>100.0</b>	<b>3,530</b>	<b>100.0</b>

**TABLE 3**

**2006 MISSOURI DEER CRASHES**

**ROAD CURVATURE BY CRASH SEVERITY**

	<b>FATAL</b>	<b>%</b>	<b>PERSONAL INJURY</b>	<b>%</b>	<b>PROPERTY DAMAGE</b>	<b>%</b>	<b>TOTAL</b>	<b>%</b>
STRAIGHT	2	66.7	255	87.3	2,331	88.3	2,588	88.1
CURVE	1	33.3	37	12.7	310	11.7	348	11.9
UNKNOWN	0	-	4	-	590	-	594	-
<b>TOTAL</b>	<b>3</b>	<b>100.0</b>	<b>296</b>	<b>100.0</b>	<b>3,231</b>	<b>100.0</b>	<b>3,530</b>	<b>100.0</b>

**TABLE 4**

**2006 MISSOURI DEER CRASHES**

**ROAD INCLINE BY CRASH SEVERITY**

	<b>FATAL</b>	<b>%</b>	<b>PERSONAL INJURY</b>	<b>%</b>	<b>PROPERTY DAMAGE</b>	<b>%</b>	<b>TOTAL</b>	<b>%</b>
LEVEL	1	33.3	163	56.2	1,623	61.7	1,787	61.2
HILL	2	66.7	114	39.3	899	34.2	1,015	34.7
CREST	0	0.0	13	4.5	107	4.1	120	4.1
UNKNOWN	0	-	6	-	602	-	608	-
<b>TOTAL</b>	<b>3</b>	<b>100.0</b>	<b>296</b>	<b>100.0</b>	<b>3,231</b>	<b>100.0</b>	<b>3,530</b>	<b>100.0</b>

**TABLE 5**



**2006 MISSOURI DEER CRASHES**

**ROAD CONDITIONS BY CRASH SEVERITY**

	<b>FATAL</b>	<b>%</b>	<b>PERSONAL INJURY</b>	<b>%</b>	<b>PROPERTY DAMAGE</b>	<b>%</b>	<b>TOTAL</b>	<b>%</b>
DRY	0	0.0	58	19.7	491	18.6	549	18.7
WET	3	100.0	228	77.6	2,116	80.2	2,347	80.0
SNOW	0	0.0	0	0.0	1	0.0	1	0.0
ICE	0	0.0	8	2.7	16	0.6	24	0.8
SLUSH	0	0.0	0	0.0	1	0.0	1	0.0
MUD	0	0.0	0	0.0	12	0.5	12	0.4
STANDING WATER	0	0.0	0	0.0	0	0.0	0	0.0
MOVING WATER	0	0.0	0	0.0	0	0.0	0	0.0
UNKNOWN	0	-	2	-	594	-	596	-
<b>TOTAL</b>	<b>3</b>	<b>100.0</b>	<b>296</b>	<b>100.0</b>	<b>3,231</b>	<b>100.0</b>	<b>3,530</b>	<b>100.0</b>

**TABLE 6**

**2006 MISSOURI DEER CRASHES**

**HIGHWAY CLASSIFICATION BY CRASH SEVERITY**

	<b>FATAL</b>	<b>%</b>	<b>PERSONAL INJURY</b>	<b>%</b>	<b>PROPERTY DAMAGE</b>	<b>%</b>	<b>TOTAL</b>	<b>%</b>
INTERSTATE	1	33.3	34	11.5	397	12.3	432	12.2
U.S. HIGHWAY	0	0.0	67	22.6	698	21.6	765	21.7
STATE NUMBERED	1	33.3	79	26.7	882	27.3	962	27.3
SINGLE STATE LETTERED	1	33.3	45	15.2	407	12.6	453	12.8
DOUBLE STATE LETTERED	0	0.0	14	4.7	137	4.2	151	4.3
OUTER ROAD	0	0.0	2	0.7	30	0.9	32	0.9
COUNTY ROAD	0	0.0	26	8.8	245	7.6	271	7.7
CITY STREET	0	0.0	27	9.1	404	12.5	431	12.2
INTERSTATE LOOP	0	0.0	0	0.0	6	0.2	6	0.2
OTHER <sup>1</sup>	0	0.0	2	0.7	25	0.8	27	0.8
<b>TOTAL</b>	<b>3</b>	<b>100.0</b>	<b>296</b>	<b>100.0</b>	<b>3,231</b>	<b>100.0</b>	<b>3,530</b>	<b>100.0</b>

<sup>1</sup>"Other" includes types of roads that are maintained by the State as well as by local jurisdictions.

**TABLE 7**

2006 MISSOURI DEER CRASHES

HIGHWAY CLASSIFICATION BY AREA CLASSIFICATION AND CRASH SEVERITY

	URBAN						RURAL									
	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	1	100.0	14	18.9	137	13.3	152	13.9	0	0.0	20	9.0	260	11.8	280	11.5
U.S. HIGHWAY	0	0.0	14	18.9	171	16.6	185	16.8	0	0.0	53	23.9	527	23.9	580	23.9
STATE NUMBERED	0	0.0	11	14.9	214	20.8	225	20.4	1	50.0	68	30.6	668	30.3	737	30.4
SINGLE STATE LETTERED	0	0.0	3	4.1	40	3.9	43	3.9	1	50.0	42	18.9	367	16.7	410	16.9
DOUBLE STATE LETTERED	0	0.0	1	1.4	29	2.8	30	2.7	0	0.0	13	5.9	108	4.9	121	5.0
OUTER ROAD	0	0.0	1	1.4	10	1.0	11	1.0	0	0.0	1	0.5	20	0.9	21	0.9
COUNTY ROAD	0	0.0	4	5.4	54	5.3	58	5.3	0	0.0	22	9.9	191	8.7	213	8.8
CITY STREET	0	0.0	25	33.8	355	34.5	380	34.5	0	0.0	2	0.9	49	2.2	51	2.1
INTERSTATE LOOP	0	0.0	0	0.0	1	0.1	1	0.1	0	0.0	0	0.0	5	0.2	5	0.2
OTHER <sup>1</sup>	0	0.0	1	1.4	17	1.7	18	1.6	0	0.0	1	0.5	8	0.4	9	0.4
<b>TOTAL</b>	<b>1</b>	<b>100.0</b>	<b>74</b>	<b>100.0</b>	<b>1,028</b>	<b>100.0</b>	<b>1,103</b>	<b>100.0</b>	<b>2</b>	<b>100.0</b>	<b>222</b>	<b>100.0</b>	<b>2,203</b>	<b>100.0</b>	<b>2,427</b>	<b>100.0</b>

<sup>1</sup> "Other" includes types of roads that are maintained by the State as well as by local jurisdictions.

TABLE 8

**2006 MISSOURI DEER CRASHES  
MONTH OF YEAR**

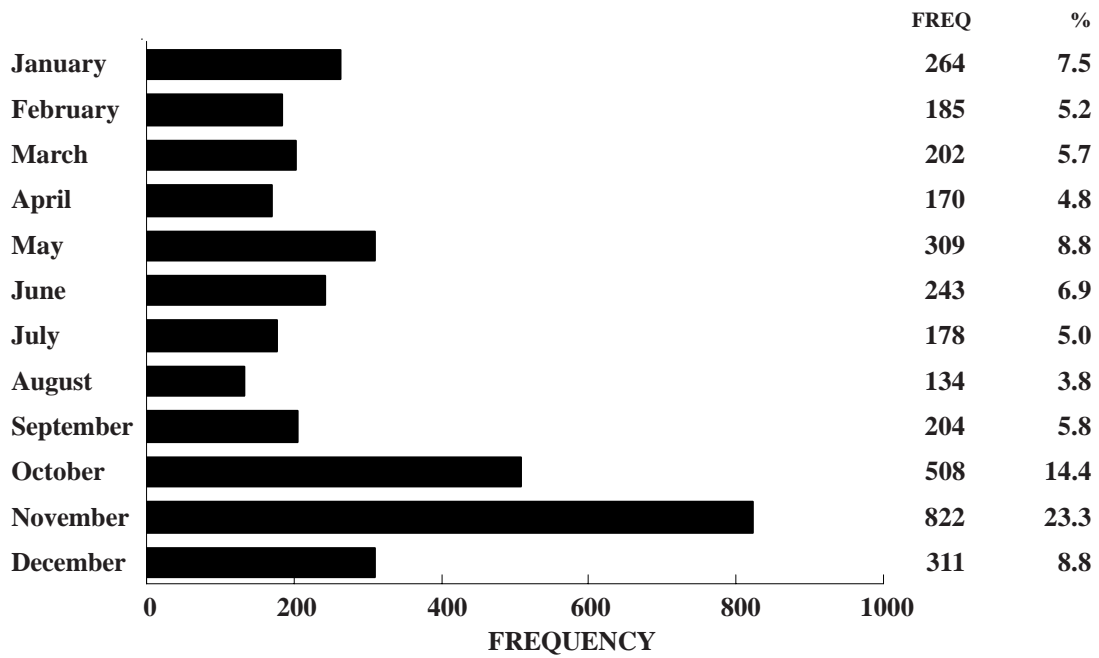


FIGURE 2

**2006 MISSOURI DEER CRASHES  
DAY OF WEEK**

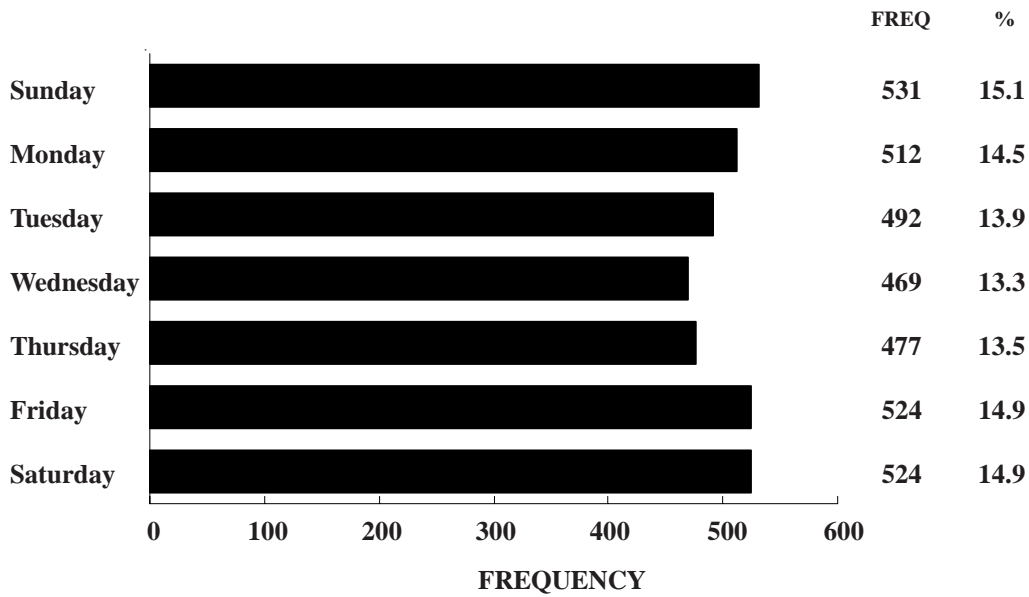
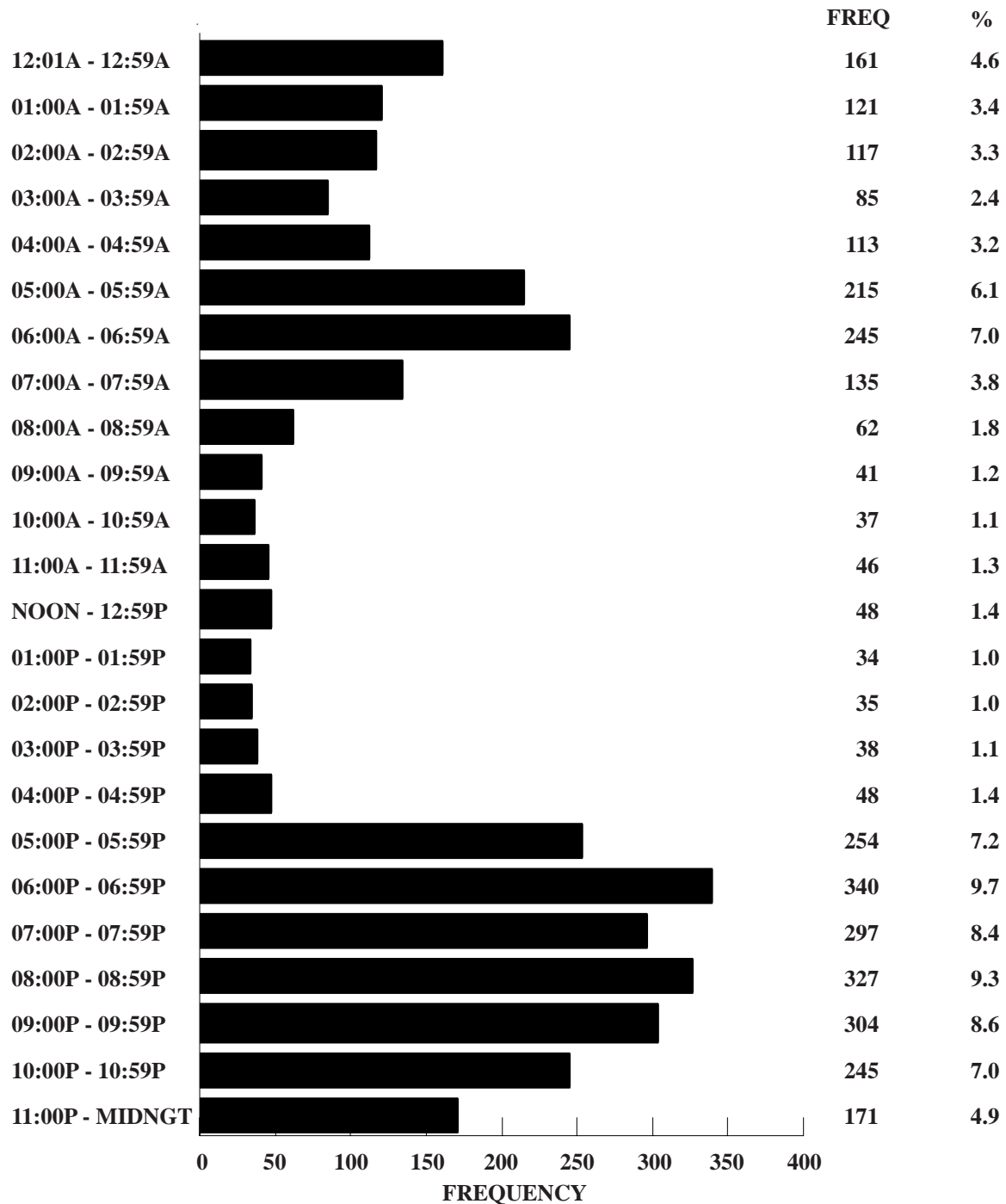


FIGURE 3

Unknown Data Not Included

**2006 MISSOURI DEER CRASHES  
HOUR OF DAY**



**FIGURE 4**

Unknown Data Not Included

**2006 MISSOURI DEER CRASHES<sup>1</sup>**

**TYPE OF VEHICLE STRIKING DEER BY CRASH SEVERITY**

	<b>FATAL</b>	<b>%</b>	<b>PERSONAL INJURY</b>	<b>%</b>	<b>PROPERTY DAMAGE</b>	<b>%</b>	<b>TOTAL</b>	<b>%</b>
AUTOMOBILE	1	33.3	161	54.6	1,694	52.5	1,856	52.7
SPORT UTILITY VEHICLE	0	0.0	23	7.8	524	16.2	547	15.5
LIMOUSINE	0	0.0	0	0.0	1	0.0	1	0.0
VAN	0	0.0	19	6.4	310	9.6	329	9.3
BUS	0	0.0	0	0.0	6	0.2	6	0.2
SCHOOL BUS	0	0.0	0	0.0	4	0.1	4	0.1
MOTORCYCLE	1	33.3	54	18.3	10	0.3	65	1.8
MOPED	0	0.0	0	0.0	0	0.0	0	0.0
MOTORHOME / CAMPER	0	0.0	0	0.0	1	0.0	1	0.0
FARM EQUIPMENT	0	0.0	0	0.0	0	0.0	0	0.0
CONSTRUCTIONEQUIPMENT	0	0.0	0	0.0	0	0.0	0	0.0
OTHER TRANSPORT DEVICE	0	0.0	0	0.0	1	0.0	1	0.0
PICK-UP TRUCK	1	33.3	33	11.2	579	18.0	613	17.4
OTHER TRUCKS	0	0.0	1	0.3	96	3.0	97	2.8
ALL TERRAIN VEHICLE	0	0.0	4	1.4	0	0.0	4	0.1
UNKNOWN	0	-	1	-	4	-	5	-
<b>TOTAL</b>	<b>3</b>	<b>100.0</b>	<b>296</b>	<b>100.0</b>	<b>3,230</b>	<b>100.0</b>	<b>3,529</b>	<b>100.0</b>

<sup>1</sup>This table includes only those vehicles striking a deer during the first harmful event in a crash.

**TABLE 9**

**VEHICLES STRIKING DEER IN 2006 MISSOURI CRASHES<sup>1</sup>**

**DRIVER INVOLVEMENT BY CRASH SEVERITY**

	<b>FATAL</b>	<b>%</b>	<b>PERSONAL INJURY</b>	<b>%</b>	<b>PROPERTY DAMAGE</b>	<b>%</b>	<b>TOTAL</b>	<b>%</b>
DRIVERLESS	0	0.0	0	0.0	0	0.0	0	0.0
KNOWN DRIVER INVOLVED	3	100.0	296	100.0	3,228	99.9	3,527	99.9
UNKNOWN DRIVER INVOLVED	0	0.0	0	0.0	2	0.1	2	0.1
<b>TOTAL</b>	<b>3</b>	<b>100.0</b>	<b>296</b>	<b>100.0</b>	<b>3,230</b>	<b>100.0</b>	<b>3,529</b>	<b>100.0</b>

<sup>1</sup>This table includes only vehicles striking deer during the first harmful event in a crash.

**TABLE 10**

**DRIVERS OF VEHICLES STRIKING DEER IN 2006 MISSOURI CRASHES<sup>1</sup>**

**SEX OF DRIVER BY CRASH SEVERITY**

	<b>FATAL</b>	<b>%</b>	<b>PERSONAL INJURY</b>	<b>%</b>	<b>PROPERTY DAMAGE</b>	<b>%</b>	<b>TOTAL</b>	<b>%</b>
MALE	2	66.7	175	59.1	1,685	60.9	1,862	60.7
FEMALE	1	33.3	121	40.9	1,083	39.1	1,205	39.3
UNKNOWN	0	-	0	-	462	-	462	-
<b>TOTAL</b>	<b>3</b>	<b>100.0</b>	<b>296</b>	<b>100.0</b>	<b>3,230</b>	<b>100.0</b>	<b>3,529</b>	<b>100.0</b>

<sup>1</sup>The table includes only drivers of vehicles striking deer during the first harmful event in a crash.

**TABLE 11**

**DRIVERS OF VEHICLES STRIKING DEER IN 2006 MISSOURI CRASHES<sup>1</sup>**

**AGE OF DRIVER BY CRASH SEVERITY**

	<b>FATAL</b>	<b>%</b>	<b>PERSONAL INJURY</b>	<b>%</b>	<b>PROPERTY DAMAGE</b>	<b>%</b>	<b>TOTAL</b>	<b>%</b>
<b>AVERAGE AGE OF DRIVER</b>	37.0	-	38.2	-	39.8	-	39.6	-
14 YEARS AND UNDER	0	0.0	0	0.0	0	0.0	0	0.0
15 - 20 YEARS	0	0.0	37	12.5	279	8.7	316	9.0
21 - 25 YEARS	0	0.0	32	10.8	389	12.1	421	12.0
26 - 30 YEARS	2	66.7	34	11.5	363	11.3	399	11.3
31 - 35 YEARS	0	0.0	30	10.1	344	10.7	374	10.6
36 - 40 YEARS	0	0.0	33	11.2	320	9.9	353	10.0
41 - 45 YEARS	0	0.0	35	11.8	363	11.3	398	11.3
46 - 50 YEARS	0	0.0	40	13.5	372	11.5	412	11.7
51 - 55 YEARS	1	33.3	21	7.1	301	9.3	323	9.2
56 - 60 YEARS	0	0.0	16	5.4	232	7.2	248	7.0
61 - 65 YEARS	0	0.0	6	2.0	119	3.7	125	3.6
66 YEARS AND OVER	0	0.0	12	4.1	141	4.4	153	4.3
UNKNOWN	0	-	0	-	7	-	7	-
<b>TOTAL</b>	<b>3</b>	<b>100.0</b>	<b>296</b>	<b>100.0</b>	<b>3,230</b>	<b>100.0</b>	<b>3,529</b>	<b>100.0</b>

<sup>1</sup>This table includes only drivers of vehicles striking deer during the first harmful event in a crash.

**TABLE 12**

**DRIVERS OF VEHICLES STRIKING DEER IN 2006 MISSOURI CRASHES<sup>1</sup>**

**DRIVER'S LICENSE STATE AND TYPE BY CRASH SEVERITY**

	<b>FATAL</b>	<b>%</b>	<b>PERSONAL INJURY</b>	<b>%</b>	<b>PROPERTY DAMAGE</b>	<b>%</b>	<b>TOTAL</b>	<b>%</b>
<b>MISSOURI</b>								
LEARNER'S PERMIT	0	0.0	1	0.3	2	0.1	3	0.1
OPERATOR'S LICENSE	2	66.7	236	80.3	2,087	79.6	2,325	79.7
MOTORCYCLE ONLY	0	0.0	0	0.0	0	0.0	0	0.0
COMMERCIAL DRIVER'S LICENSE	1	33.3	27	9.2	189	7.2	217	7.4
SUB-TOTAL	3	100.0	264	89.8	2,278	86.9	2,545	87.2
<b>OUT STATE</b>								
LEARNER'S PERMIT	0	0.0	0	0.0	0	0.0	0	0.0
OPERATOR'S LICENSE	0	0.0	25	8.5	281	10.7	306	10.4
MOTORCYCLE ONLY	0	0.0	0	0.0	0	0.0	0	0.0
COMMERCIAL DRIVER'S LICENSE	0	0.0	2	0.7	54	2.1	56	1.9
SUB-TOTAL	0	0.0	27	9.2	335	12.8	362	12.4
UNLICENSED	0	0.0	3	1.0	9	0.3	12	0.4
UNKNOWN	0	-	2	-	608	-	610	-
<b>TOTAL</b>	<b>3</b>	<b>100.0</b>	<b>296</b>	<b>100.0</b>	<b>3,230</b>	<b>100.0</b>	<b>3,529</b>	<b>100.0</b>

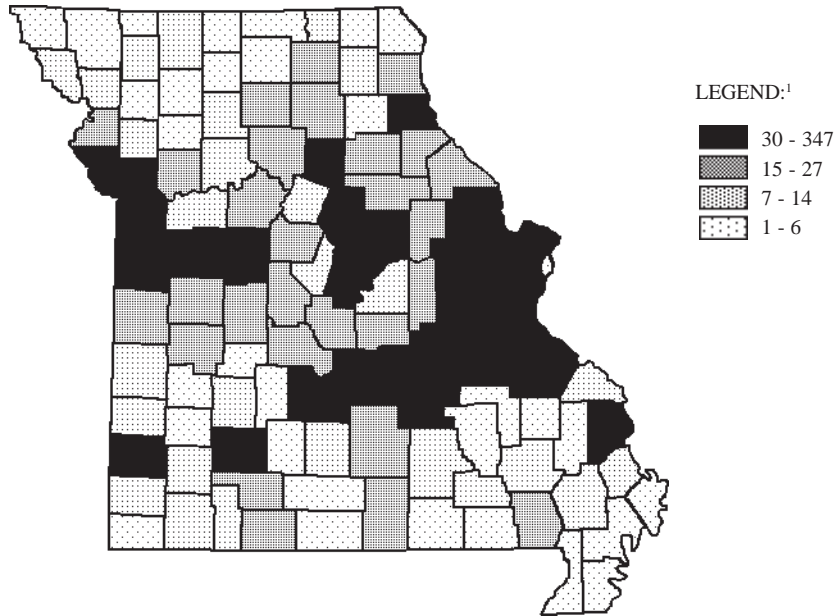
<sup>1</sup>This table includes only drivers of vehicles striking deer during the first harmful event in a crash.

**TABLE 13**



## 2006 MISSOURI DEER CRASHES

### COUNTY QUARTILE ANALYSIS



<sup>1</sup>LEGEND CATEGORIES ARE BASED ON QUARTILES OF COUNTIES.

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
1.0	JACKSON	347	9.8	22.0	CRAWFORD	42	1.2
2.0	ST. LOUIS	212	6.0	23.0	COLE	41	1.2
3.0	PLATTE	197	5.6	24.0	WASHINGTON	40	1.1
4.0	CLAY	194	5.5	25.0	LACLEDE	39	1.1
5.0	JEFFERSON	189	5.4	26.0	JASPER	33	0.9
6.0	FRANKLIN	143	4.1	27.0	PETTIS	31	0.9
7.0	ST. CHARLES	131	3.7	28.0	DENT	30	0.8
8.0	BOONE	114	3.2				
9.0	JOHNSON	87	2.5				First Quartile
10.0	ST. FRANCOIS	82	2.3				
11.0	LINCOLN	73	2.1	29.5	BUCHANAN	27	0.8
12.0	CASS	70	2.0	29.5	CAMDEN	27	0.8
13.5	CAPE GIRARDEAU	67	1.9	32.0	BUTLER	22	0.6
13.5	PULASKI	67	1.9	32.0	RALLS	22	0.6
15.0	CALLAWAY	66	1.9	32.0	RAY	22	0.6
16.0	PHELPS	60	1.7	35.0	BATES	21	0.6
17.0	MARION	54	1.5	35.0	HOWELL	21	0.6
18.0	WARREN	51	1.4	35.0	MILLER	21	0.6
19.0	GREENE	48	1.4	37.5	COOPER	20	0.6
20.0	RANDOLPH	46	1.3	37.5	MORGAN	20	0.6
21.0	STE. GENEVIEVE	43	1.2	39.5	BENTON	19	0.5

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
39.5	TEXAS	19	0.5	77.0	SCOTT	9	0.3
42.0	GASCONADE	18	0.5	81.0	CLINTON	7	0.2
42.0	HENRY	18	0.5	81.0	HOWARD	7	0.2
42.0	TANEY	18	0.5	81.0	KNOX	7	0.2
46.5	CHARITON	17	0.5	81.0	LIVINGSTON	7	0.2
46.5	LEWIS	17	0.5	81.0	SCHUYLER	7	0.2
46.5	MARIES	17	0.5				
46.5	MONROE	17	0.5				Third Quartile
46.5	MONTGOMERY	17	0.5				
46.5	SALINE	17	0.5				Fourth Quartile
51.0	AUDRAIN	16	0.5	87.5	ATCHISON	6	0.2
51.0	LINN	16	0.5	87.5	DALLAS	6	0.2
51.0	MACON	16	0.5	87.5	HICKORY	6	0.2
54.5	ADAIR	15	0.4	87.5	MISSISSIPPI	6	0.2
54.5	CHRISTIAN	15	0.4	87.5	NODAWAY	6	0.2
54.5	PIKE	15	0.4	87.5	OREGON	6	0.2
54.5	ST. CLAIR	15	0.4	87.5	SCOTLAND	6	0.2
			Second Quartile	87.5	SHELBY	6	0.2
				92.5	GRUNDY	5	0.1
			Third Quartile	92.5	RIPLEY	5	0.1
58.5	BARTON	14	0.4	96.5	CALDWELL	4	0.1
58.5	HOLT	14	0.4	96.5	DE KALB	4	0.1
58.5	LAFAYETTE	14	0.4	96.5	DUNKLIN	4	0.1
58.5	STONE	14	0.4	96.5	MC DONALD	4	0.1
62.5	POLK	13	0.4	96.5	PUTNAM	4	0.1
62.5	VERNON	13	0.4	96.5	REYNOLDS	4	0.1
62.5	WAYNE	13	0.4	103.0	CEDAR	3	0.1
62.5	WRIGHT	13	0.4	103.0	IRON	3	0.1
66.5	CARROLL	12	0.3	103.0	MERCER	3	0.1
66.5	GENTRY	12	0.3	103.0	NEW MADRID	3	0.1
66.5	HARRISON	12	0.3	103.0	PEMISCOT	3	0.1
66.5	SHANNON	12	0.3	103.0	SULLIVAN	3	0.1
70.5	LAWRENCE	11	0.3	103.0	WORTH	3	0.1
70.5	OSAGE	11	0.3	108.5	CLARK	2	0.1
70.5	PERRY	11	0.3	108.5	DADE	2	0.1
70.5	STODDARD	11	0.3	108.5	MADISON	2	0.1
74.0	ANDREW	10	0.3	108.5	ST. LOUIS CITY	2	0.1
74.0	MONITEAU	10	0.3	113.0	BOLLINGER	1	0.0
74.0	NEWTON	10	0.3	113.0	DAVISS	1	0.0
77.0	BARRY	9	0.3	113.0	DOUGLAS	1	0.0
77.0	CARTER	9	0.3	113.0	OZARK	1	0.0
				113.0	WEBSTER	1	0.0

TABLE 14

## 2006 MISSOURI DEER CRASHES

### CITY LISTING

RANK	CITY	FREQUENCY	PERCENT <sup>1</sup>
1.0	KANSAS CITY	305	22.4
2.0	LEE'S SUMMIT	62	4.5
3.0	COLUMBIA	47	3.4
4.0	INDEPENDENCE	39	2.9
5.0	CAPE GIRARDEAU	33	2.4
6.0	PARKVILLE	30	2.2
7.0	JEFFERSON CITY	29	2.1
8.5	BLUE SPRINGS	25	1.8
8.5	CHESTERFIELD	25	1.8
10.0	LIBERTY	22	1.6
11.0	JACKSON	21	1.5
12.5	ST. JOSEPH	18	1.3
12.5	SPRINGFIELD	18	1.3
14.5	MARYLAND HEIGHTS	17	1.2
14.5	WILDWOOD	17	1.2
17.0	FULTON	15	1.1
17.0	O'FALLON	15	1.1
17.0	WAYNESVILLE	15	1.1
19.0	HANNIBAL	14	1.0
20.0	HARRISONVILLE	13	1.0
23.5	HILLSBORO	12	0.9
23.5	OSAGE BEACH	12	0.9
23.5	POTOSI	12	0.9
23.5	ROLLA	12	0.9
23.5	SUNSET HILLS	12	0.9
23.5	WENTZVILLE	12	0.9
27.5	ST. CHARLES	11	0.8
27.5	WARRENSBURG	11	0.8
31.5	BALLWIN	10	0.7
31.5	BRANSON	10	0.7
31.5	ELLISVILLE	10	0.7
31.5	JOPLIN	10	0.7
31.5	LAKE ST. LOUIS	10	0.7
31.5	WESTON	10	0.7
37.0	LEBANON	9	0.7
37.0	RIVERSIDE	9	0.7
37.0	ST. PETERS	9	0.7
37.0	TOWN AND COUNTRY	9	0.7
37.0	UNION	9	0.7
42.5	FENTON	8	0.6
42.5	GLADSTONE	8	0.6
42.5	KEARNEY	8	0.6
42.5	KNOB NOSTER	8	0.6
42.5	MOBERLY	8	0.6
42.5	PARK HILL	8	0.6
48.0	EUREKA	7	0.5
48.0	FARMINGTON	7	0.5
48.0	PEVELY	7	0.5
48.0	PLATTE CITY	7	0.5
48.0	SEDALIA	7	0.5

<sup>1</sup>Percentage is based on deer involved crashes which occurred in Missouri municipalities with populations of 1,000 or more. Only those municipalities comprising 0.5% or more of these crashes are listed.

**TABLE 15**