

2006
MISSOURI
TRAFFIC SAFETY
COMPENDIUM

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Traffic crash data are the primary source of information used in this publication. These data were obtained from the Statewide Traffic Accident Records System (STARS). The Missouri State Highway Patrol, Traffic Division, is directly responsible for coordinating STARS as well as encoding all traffic crash reports received by the Division.

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Ronald G. Beck, Director
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CONTENTS

	PAGE
EXECUTIVE SUMMARY	
INTRODUCTION	1
1.0 MISSOURI TRAFFIC SAFETY PERSONAL INJURY PROBLEM ANALYSIS CLOCK	3
2.0 MISSOURI STATEWIDE TRAFFIC SAFETY ANALYSIS	7
2.1 Total Traffic Crashes	13
3.0 MISSOURI DETAIL TRAFFIC SAFETY PROBLEM ANALYSIS	31
3.1 Speed Involvement	33
3.2 Drinking Involvement	49
3.3 Young Driver Involvement	67
3.4 Older Driver Involvement	85
3.5 Commercial Motor Vehicle Involvement	101
3.6 Motorcycle Involvement	119
3.7 School Bus Involvement	135
3.8 Bicycle Involvement	153
3.9 Pedestrian Involvement	169
3.10 Fixed Object Involvement	187
3.11 Hazardous Material Involvement	205
3.12 Construction / Other Work Zone Involvement	221
3.13 Seat Belt Usage	237
4.0 MISSOURI COUNTY AND CITY TRAFFIC CRASH ANALYSIS	253
GLOSSARY	295

TABLES

PAGE

MISSOURI STATEWIDE TRAFFIC SAFETY ANALYSIS

2.0.1	State of Missouri, Traffic Safety Statistics, 1982 - 2006	9
2.0.2	1997 - 2006 Missouri Traffic Crashes, Year by Crash Severity	10

Total Crashes

2.1.1	2005 and 2006 Missouri Traffic Crash Analysis	14
2.1.2	2006 Missouri Traffic Crashes, Crash Type by Crash Severity	14
2.1.3	2006 Missouri Traffic Crashes, Area Classification by Crash Severity	15
2.1.4	2006 Missouri Traffic Crashes, Road Curvature by Crash Severity	15
2.1.5	2006 Missouri Traffic Crashes, Road Incline by Crash Severity	15
2.1.6	2006 Missouri Traffic Crashes, Road Conditions by Crash Severity	16
2.1.7	2006 Missouri Traffic Crashes, Light Conditions by Crash Severity	16
2.1.8	2006 Missouri Traffic Crashes, Highway Classification by Crash Severity	17
2.1.9	2006 Missouri Traffic Crashes, Highway Classification by Area Classification and Crash Severity	18
2.1.10	2006 Missouri Traffic Crashes, Type of Circumstance Involved by Crash Severity	21
2.1.11	Causes of Driver Inattention in 2006 Missouri Traffic Crashes, Type of Inattention by Crash Severity	22
2.1.12	Drivers in 2006 Missouri Traffic Crashes, Driver Involvement by Crash Severity	22
2.1.13	Drivers in 2006 Missouri Traffic Crashes, Sex of Driver by Crash Severity	23
2.1.14	Drivers in 2006 Missouri Traffic Crashes, Age of Driver by Crash Severity	23
2.1.15	Drivers in 2006 Missouri Traffic Crashes, Driver's License State and Type by Crash Severity	24
2.1.16	Vehicles in 2006 Missouri Traffic Crashes, Type of Vehicle Driven by Crash Severity	25
2.1.17	Persons Killed and Injured in 2006 Missouri Traffic Crashes, Crash Type by Personal Injury Severity	26
2.1.18	2006 Missouri Traffic Crashes, County Quartile Analysis	27
2.1.19	2006 Missouri Traffic Crashes, City Listing	29

MISSOURI DETAIL TRAFFIC SAFETY PROBLEM ANALYSIS

Speed Involvement

3.1.1	2006 Missouri Traffic Crashes, Speed Involvement	34
3.1.2	2005 and 2006 Speed-Involved Crash Analysis	35
3.1.3	2006 Speed-Involved Crashes, Crash Type by Crash Severity	35
3.1.4	2006 Speed-Involved Crashes, Area Classification by Crash Severity	36
3.1.5	2006 Speed-Involved Crashes, Road Curvature by Crash Severity	36
3.1.6	2006 Speed-Involved Crashes, Road Incline by Crash Severity	36
3.1.7	2006 Speed-Involved Crashes, Road Conditions by Crash Severity	37
3.1.8	2006 Speed-Involved Crashes, Highway Classification by Crash Severity	37
3.1.9	2006 Speed-Involved Crashes, Highway Classification by Area Classification and Crash Severity	38
3.1.10	Drivers of Motorized Vehicles Speeding in 2006 Missouri Crashes, Type of Speeding Violation	41
3.1.11	Drivers of Motorized Vehicles Speeding in 2006 Missouri Crashes, Sex of Driver by Crash Severity	41
3.1.12	Drivers of Motorized Vehicles Speeding in 2006 Missouri Crashes, Age of Driver by Crash Severity	42

TABLES

	PAGE
3.1.13 Drivers of Motorized Vehicles Speeding in 2006 Missouri Crashes, Driver's License State and Type by Crash Severity	43
3.1.14 Drivers of Motorized Vehicles Speeding in 2006 Missouri Crashes, Type of Vehicle Driven by Crash Severity	44
3.1.15 Drivers of Motorized Vehicles Speeding in 2006 Missouri Crashes, Driver Intoxication by Crash Severity	44
3.1.16 2006 Speed-Involved Crashes, County Quartile Analysis	45
3.1.17 2006 Speed-Involved Crashes, City Listing	47

Drinking Involvement

3.2.1 2006 Missouri Traffic Crashes, Drinking Involvement	50
3.2.2 2005 and 2006 Drinking-Involved Crash Analysis	51
3.2.3 2006 Drinking-Involved Crashes, Crash Type by Crash Severity	51
3.2.4 2006 Drinking-Involved Crashes, Area Classification by Crash Severity	52
3.2.5 2006 Drinking-Involved Crashes, Road Curvature by Crash Severity	52
3.2.6 2006 Drinking-Involved Crashes, Road Incline by Crash Severity	52
3.2.7 2006 Drinking-Involved Crashes, Road Conditions by Crash Severity	53
3.2.8 2006 Drinking-Involved Crashes, Highway Classification by Crash Severity	53
3.2.9 2006 Drinking-Involved Crashes, Highway Classification by Area Classification and Crash Severity	54
3.2.10 Persons Drinking in 2006 Missouri Crashes, Person Type and Sex by Crash Severity	57
3.2.11 Drivers of Motorized Vehicles Drinking in 2006 Missouri Crashes, Age of Driver by Crash Severity	58
3.2.12 Drivers of Non-Motorized Vehicles Drinking in 2006 Missouri Crashes, Age of Driver by Crash Severity	59
3.2.13 Pedestrians Drinking in 2006 Missouri Crashes, Age of Pedestrian by Crash Severity	60
3.2.14 Drivers of Motorized and Non-Motorized Vehicles Drinking in 2006 Missouri Crashes, Type of Vehicle Driven by Crash Severity	61
3.2.15 Drivers of Motorized Vehicles Drinking in 2006 Missouri Crashes, Driver's License State and Type by Crash Severity	62
3.2.16 2006 Drinking-Involved Crashes, County Quartile Analysis	63
3.2.17 2006 Drinking-Involved Crashes, City Listing	65

Young Driver Involvement

3.3.1 2006 Missouri Traffic Crashes, Young Driver Involvement	68
3.3.2 2005 and 2006 Young Driver Involved Crash Analysis	69
3.3.3 2006 Young Driver Involved Crashes, Crash Type by Crash Severity	69
3.3.4 2006 Young Driver Involved Crashes, Area Classification by Crash Severity	70
3.3.5 2006 Young Driver Involved Crashes, Road Curvature by Crash Severity	70
3.3.6 2006 Young Driver Involved Crashes, Road Incline by Crash Severity	70
3.3.7 2006 Young Driver Involved Crashes, Road Conditions by Crash Severity	71
3.3.8 2006 Young Driver Involved Crashes, Highway Classification by Crash Severity	71
3.3.9 2006 Young Driver Involved Crashes, Highway Classification by Area Classification and Crash Severity	72
3.3.10 2006 Missouri Young Driver Crashes, Type of Circumstance Involved by Crash Severity and Person Classification	75
3.3.11 Young Drivers in 2006 Missouri Crashes, Sex of Driver by Crash Severity	76
3.3.12 Young Drivers in 2006 Missouri Crashes, Age of Driver by Crash Severity	76

TABLES

	PAGE
3.3.13 Young Drivers in 2006 Missouri Crashes, Driver's License State and Type by Crash Severity	77
3.3.14 Young Drivers in 2006 Missouri Crashes, Type of Vehicle Driven by Crash Severity	78
3.3.15 2006 Young Driver Involved Crashes, County Quartile Analysis	79
3.3.16 2006 Young Drinking Driver Involved Crashes, County Quartile Analysis	81
3.3.17 2006 Young Driver Involved Crashes, City Listing	83

Older Driver Involvement

3.4.1 2006 Missouri Traffic Crashes, Older Driver Involvement	86
3.4.2 2005 and 2006 Older Driver Involved Crash Analysis	87
3.4.3 2006 Older Driver Involved Crashes, Crash Type by Crash Severity	87
3.4.4 2006 Older Driver Involved Crashes, Area Classification by Crash Severity	88
3.4.5 2006 Older Driver Involved Crashes, Road Curvature by Crash Severity	88
3.4.6 2006 Older Driver Involved Crashes, Road Incline by Crash Severity	88
3.4.7 2006 Older Driver Involved Crashes, Road Conditions by Crash Severity	89
3.4.8 2006 Older Driver Involved Crashes, Highway Classification by Crash Severity	89
3.4.9 2006 Older Driver Involved Crashes, Highway Classification by Area Classification and Crash Severity	90
3.4.10 2006 Missouri Older Driver Crashes, Type of Circumstance Involved by Crash Severity and Person Classification	93
3.4.11 Older Drivers in 2006 Missouri Crashes, Sex of Driver by Crash Severity	94
3.4.12 Older Drivers in 2006 Missouri Crashes, Age of Driver by Crash Severity	94
3.4.13 Older Drivers in 2006 Missouri Crashes, Driver's License State and Type by Crash Severity	95
3.4.14 Older Drivers in 2006 Missouri Crashes, Type of Vehicle Driven by Crash Severity	96
3.4.15 2006 Older Driver Involved Crashes, County Quartile Analysis	97
3.4.16 2006 Older Driver Involved Crashes, City Listing	99

Commercial Motor Vehicle Involvement

3.5.1 2006 Missouri Traffic Crashes, Commercial Motor Vehicle Involvement	102
3.5.2 2005 and 2006 Commercial Motor Vehicle Involved Crash Analysis	103
3.5.3 2006 Commercial Motor Vehicle Involved Crashes, Crash Type by Crash Severity	103
3.5.4 2006 Commercial Motor Vehicle Involved Crashes, Area Classification by Crash Severity	104
3.5.5 2006 Commercial Motor Vehicle Involved Crashes, Road Curvature by Crash Severity	104
3.5.6 2006 Commercial Motor Vehicle Involved Crashes, Road Incline by Crash Severity	104
3.5.7 2006 Commercial Motor Vehicle Involved Crashes, Road Conditions by Crash Severity	105
3.5.8 2006 Commercial Motor Vehicle Involved Crashes, Highway Classification by Crash Severity	105
3.5.9 2006 Commercial Motor Vehicle Involved Crashes, Highway Classification by Area Classification and Crash Severity	106
3.5.10 2006 Missouri Commercial Motor Vehicle Crashes, Type of Circumstance Involved by Crash Severity and Person Classification	109
3.5.11 Commercial Motor Vehicles in 2006 Missouri Crashes, Type of Commercial Motor Vehicle by Crash Severity	110
3.5.12 Commercial Motor Vehicles in 2006 Missouri Crashes, Driver Involvement by Crash Severity	111
3.5.13 Drivers of Commercial Motor Vehicles in 2006 Missouri Crashes, Sex of Driver by Crash Severity	111

TABLES

	PAGE
3.5.14 Drivers of Commercial Motor Vehicles in 2006 Missouri Crashes, Age of Driver by Crash Severity	112
3.5.15 Drivers of Commercial Motor Vehicles in 2006 Missouri Crashes, Driver's License State and Type by Crash Severity	113
3.5.16 2006 Commercial Motor Vehicle Involved Crashes, County Quartile Analysis	114
3.5.17 2006 Commercial Motor Vehicle Involved Crashes, City Listing	116

Motorcycle Involvement

3.6.1 2006 Missouri Traffic Crashes, Motorcycle Involvement	120
3.6.2 2005 and 2006 Motorcycle Involved Crash Analysis	121
3.6.3 2006 Motorcycle Involved Crashes, Crash Type by Crash Severity	121
3.6.4 2006 Motorcycle Involved Crashes, Area Classification by Crash Severity	122
3.6.5 2006 Motorcycle Involved Crashes, Road Curvature by Crash Severity	122
3.6.6 2006 Motorcycle Involved Crashes, Road Incline by Crash Severity	122
3.6.7 2006 Motorcycle Involved Crashes, Road Conditions by Crash Severity	123
3.6.8 2006 Motorcycle Involved Crashes, Highway Classification by Crash Severity	123
3.6.9 2006 Motorcycle Involved Crashes, Highway Classification by Area Classification and Crash Severity	124
3.6.10 2006 Missouri Motorcycle Crashes, Type of Circumstance Involved by Crash Severity and Person Classification	127
3.6.11 Motorcycles in 2006 Missouri Crashes, Driver Involvement by Crash Severity	128
3.6.12 Drivers of Motorcycles in 2006 Missouri Crashes, Sex of Driver by Crash Severity	128
3.6.13 Drivers of Motorcycles in 2006 Missouri Crashes, Age of Driver by Crash Severity	129
3.6.14 Drivers of Motorcycles in 2006 Missouri Crashes, Helmet Usage by Personal Injury Severity	130
3.6.15 2006 Motorcycle Involved Crashes, County Quartile Analysis	131
3.6.16 2006 Motorcycle Involved Crashes, City Listing	133

School Bus Involvement

3.7.1 2006 Missouri Traffic Crashes, School Bus Involvement	136
3.7.2 Direct School Bus Involvement in 2006 Missouri School Bus Crashes, Status by Crash Severity	137
3.7.3 2005 and 2006 School Bus Involved Crash Analysis	137
3.7.4 2006 School Bus Involved Crashes, Crash Type by Crash Severity	138
3.7.5 2006 School Bus Involved Crashes, Area Classification by Crash Severity	138
3.7.6 2006 School Bus Involved Crashes, Road Curvature by Crash Severity	139
3.7.7 2006 School Bus Involved Crashes, Road Incline by Crash Severity	139
3.7.8 2006 School Bus Involved Crashes, Road Conditions by Crash Severity	140
3.7.9 2006 School Bus Involved Crashes, Highway Classification by Crash Severity	140
3.7.10 2006 School Bus Involved Crashes, Highway Classification by Area Classification and Crash Severity	141
3.7.11 2006 Missouri School Bus Crashes, Type of Circumstance Involved by Crash Severity and Person Classification	144
3.7.12 School Buses in 2006 Missouri Crashes, Driver Involvement by Crash Severity	145
3.7.13 Drivers of School Buses in 2006 Missouri Crashes, Sex of Driver by Crash Severity	145
3.7.14 Drivers of School Buses in 2006 Missouri Crashes, Age of Driver by Crash Severity	146
3.7.15 Drivers of School Buses in 2006 Missouri Crashes, Driver's License State and Type by Crash Severity	147

TABLES

	PAGE
3.7.16 2006 School Bus Involved Crashes, County Quartile Analysis	148
3.7.17 2006 School Bus Involved Crashes, City Listing	150
 Bicycle Involvement	
3.8.1 2006 Missouri Traffic Crashes, Bicycle Involvement	154
3.8.2 2005 and 2006 Bicycle Involved Crash Analysis	155
3.8.3 2006 Bicycle Involved Crashes, Area Classification by Crash Severity	155
3.8.4 2006 Bicycle Involved Crashes, Road Curvature by Crash Severity	155
3.8.5 2006 Bicycle Involved Crashes, Road Incline by Crash Severity	156
3.8.6 2006 Bicycle Involved Crashes, Road Conditions by Crash Severity	156
3.8.7 2006 Bicycle Involved Crashes, Highway Classification by Crash Severity	157
3.8.8 2006 Missouri Bicycle Crashes, Type of Circumstance Involved by Crash Severity and Person Classification	160
3.8.9 Bicycles in 2006 Missouri Crashes, Driver Involvement by Crash Severity	161
3.8.10 Bicycle Drivers in 2006 Missouri Crashes, Sex of Driver by Crash Severity	161
3.8.11 Bicycle Drivers in 2006 Missouri Crashes, Age of Driver by Crash Severity	162
3.8.12 2006 Bicycle Involved Crashes, Other Types of Vehicles Involved by Crash Severity	163
3.8.13 2006 Bicycle Involved Crashes, County Quartile Analysis	164
3.8.14 2006 Bicycle Involved Crashes, City Listing	166
 Pedestrian Involvement	
3.9.1 2006 Missouri Traffic Crashes, Pedestrian Involvement	170
3.9.2 2005 and 2006 Pedestrian Involved Crash Analysis	171
3.9.3 2006 Pedestrian Involved Crashes, Area Classification by Crash Severity	171
3.9.4 2006 Pedestrian Involved Crashes, Road Curvature by Crash Severity	171
3.9.5 2006 Pedestrian Involved Crashes, Road Incline by Crash Severity	172
3.9.6 2006 Pedestrian Involved Crashes, Road Conditions by Crash Severity	172
3.9.7 2006 Pedestrian Involved Crashes, Highway Classification by Crash Severity	173
3.9.8 2006 Pedestrian Involved Crashes, Highway Classification by Area Classification and Crash Severity	174
3.9.9 2006 Missouri Pedestrian Crashes, Type of Circumstance Involved by Crash Severity and Person Classification	177
3.9.10 Pedestrians in 2006 Missouri Crashes, Sex of Pedestrian by Personal Injury Severity	178
3.9.11 Pedestrians in 2006 Missouri Crashes, Age of Pedestrian by Personal Injury Severity	178
3.9.12 Pedestrians in 2006 Missouri Crashes, Pedestrian Actions by Age Group	179
3.9.13 Drivers of Vehicles Striking Pedestrians in 2006 Missouri Crashes, Sex of Driver by Crash Severity	180
3.9.14 Drivers of Vehicles Striking Pedestrians in 2006 Missouri Crashes, Age of Driver by Crash Severity	180
3.9.15 Drivers of Vehicles Striking Pedestrians in 2006 Missouri Crashes, Type of Vision Obstruction by Crash Severity	181
3.9.16 Drivers of Vehicles Striking Pedestrians in 2006 Missouri Crashes, Type of Vehicle Driven by Crash Severity	182
3.9.17 2006 Pedestrian Involved Crashes, County Quartile Analysis	183
3.9.18 2006 Pedestrian Involved Crashes, City Listing	185

TABLES

PAGE

Fixed Object Involvement

3.10.1	2006 Missouri Traffic Crashes, Fixed Object Involvement	188
3.10.2	2005 and 2006 Fixed Object Crash Analysis	189
3.10.3	2006 Fixed Object Crashes, Area Classification by Crash Severity	189
3.10.4	2006 Fixed Object Crashes, Road Curvature by Crash Severity	189
3.10.5	2006 Fixed Object Crashes, Road Incline by Crash Severity	190
3.10.6	2006 Fixed Object Crashes, Road Conditions by Crash Severity	190
3.10.7	2006 Fixed Object Crashes, Highway Classification by Crash Severity	191
3.10.8	2006 Fixed Object Crashes, Highway Classification by Area Classification and Crash Severity	192
3.10.9	2006 Fixed Object Crashes, Type of Object Struck by Crash Severity	193
3.10.10	2006 Missouri Fixed Object Crashes, Type of Circumstance Involved by Crash Severity and Person Classification	196
3.10.11	2006 Missouri Fixed Object Crashes, Type of Vehicle Striking Fixed Object by Crash Severity	197
3.10.12	Vehicles Striking Fixed Objects in 2006 Missouri Crashes, Driver Involvement by Crash Severity	198
3.10.13	Drivers of Vehicles Striking Fixed Objects in 2006 Missouri Crashes, Sex of Driver by Crash Severity	198
3.10.14	Drivers of Vehicles Striking Fixed Objects in 2006 Missouri Crashes, Age of Driver by Crash Severity	199
3.10.15	Drivers of Vehicles Striking Fixed Objects in 2006 Missouri Crashes, Driver's License State and Type by Crash Severity	200
3.10.16	2006 Fixed Object Involved Crashes, County Quartile Analysis	201
3.10.17	2006 Fixed Object Involved Crashes, City Listing	203

Hazardous Material Involvement

3.11.1	2006 Missouri Traffic Crashes, Hazardous Material Involvement	206
3.11.2	2005 and 2006 Hazardous Material Involved Crash Analysis	207
3.11.3	2006 Hazardous Material Involved Crashes, Crash Type by Crash Severity	207
3.11.4	2006 Hazardous Material Involved Crashes, Area Classification by Crash Severity	208
3.11.5	2006 Hazardous Material Involved Crashes, Road Curvature by Crash Severity	208
3.11.6	2006 Hazardous Material Involved Crashes, Road Incline by Crash Severity	208
3.11.7	2006 Hazardous Material Involved Crashes, Road Conditions by Crash Severity	209
3.11.8	2006 Hazardous Material Involved Crashes, Highway Classification by Crash Severity	209
3.11.9	Vehicles Carrying Hazardous Materials in 2006 Missouri Crashes, Type of Vehicle by Crash Severity	212
3.11.10	Vehicles Carrying Hazardous Materials in 2006 Missouri Crashes, Type of Hazardous Material Carried by Spillage and Crash Severity	212
3.11.11	2006 Missouri Hazardous Material Crashes, Type of Circumstance Involved by Crash Severity and Person Classification	213
3.11.12	Vehicles Carrying Hazardous Materials in 2006 Missouri Crashes, Driver Involvement by Crash Severity	214
3.11.13	Drivers of Vehicles Carrying Hazardous Materials in 2006 Missouri Crashes, Sex of Driver by Crash Severity	214
3.11.14	Drivers of Vehicles Carrying Hazardous Materials in 2006 Missouri Crashes, Age of Driver by Crash Severity	215
3.11.15	Drivers of Vehicles Carrying Hazardous Materials in 2006 Missouri Crashes, Driver's License State and Type by Crash Severity	216

TABLES

	PAGE
3.11.16 2006 Hazardous Material Involved Crashes, County Quartile Analysis	217
3.11.17 2006 Hazardous Material Involved Crashes, City Listing	219
 Construction / Other Work Zone Involvement	
3.12.1 2006 Missouri Traffic Crashes, Construction / Other Work Zone Involvement	222
3.12.2 2005 and 2006 Construction / Other Work Zone Involved Crash Analysis	223
3.12.3 2006 Construction / Other Work Zone Involved Crashes, Traffic Control by Crash Severity	223
3.12.4 2006 Construction / Other Work Zone Involved Crashes, Crash Type by Crash Severity	224
3.12.5 2006 Construction / Other Work Zone Involved Crashes, Area Classification by Crash Severity	224
3.12.6 2006 Construction / Other Work Zone Involved Crashes, Road Curvature by Crash Severity	225
3.12.7 2006 Construction / Other Work Zone Involved Crashes, Road Incline by Crash Severity ...	225
3.12.8 2006 Construction / Other Work Zone Involved Crashes, Road Conditions by Crash Severity	226
3.12.9 2006 Construction / Other Work Zone Involved Crashes, Highway Classification by Crash Severity	226
3.12.10 Vehicles Involved in 2006 Missouri Construction / Other Work Zone Crashes, Type of Vehicle by Crash Severity	229
3.12.11 2006 Missouri Construction / Other Work Zone Crashes, Type of Circumstance Involved by Crash Severity	230
3.12.12 Vehicles in 2006 Missouri Construction / Other Work Zone Crashes, Driver Involvement by Crash Severity	231
3.12.13 Drivers of Vehicles in 2006 Missouri Construction / Other Work Zone Crashes, Sex of Driver by Crash Severity	231
3.12.14 Drivers of Vehicles in 2006 Missouri Construction / Other Work Zone Crashes, Age of Driver by Crash Severity	232
3.12.15 Drivers of Vehicles in 2006 Missouri Construction / Other Work Zone Crashes, Driver's License State and Type by Crash Severity	233
3.12.16 2006 Construction / Other Work Zone Involved Crashes, County Quartile Analysis	234
3.12.17 2006 Construction / Other Work Zone Involved Crashes, City Listing	236
 Seat Belt Usage	
3.13.1 2006 Missouri Traffic Crashes, Drivers and Passengers of Automobiles, Trucks, Vans, and Motor Homes, Personal Injury Severity by Seat Belt Usage	238
3.13.2 2006 Missouri Traffic Crashes, Drivers of Automobiles, Trucks, Vans, and Motor Homes, Area Classification by Seat Belt Usage	239
3.13.3 2006 Missouri Traffic Crashes, Drivers of Automobiles, Trucks, Vans, and Motor Homes, Weather Conditions by Seat Belt Usage	239
3.13.4 2006 Missouri Traffic Crashes, Drivers of Automobiles, Trucks, Vans, and Motor Homes, Highway Classification by Seat Belt Usage	240
3.13.5 2006 Missouri Traffic Crashes, Drivers of Automobiles, Trucks, Vans, and Motor Homes, Month of Year by Seat Belt Usage	241
3.13.6 2006 Missouri Traffic Crashes, Drivers of Automobiles, Trucks, Vans, and Motor Homes, Day of Week by Seat Belt Usage	242
3.13.7 2006 Missouri Traffic Crashes, Drivers of Automobiles, Trucks, Vans, and Motor Homes, Hour of Day by Seat Belt Usage	243

TABLES

	PAGE
3.13.8 2006 Missouri Traffic Crashes, Drivers of Automobiles, Trucks, Vans, and Motor Homes, Sex of Driver by Seat Belt Usage	244
3.13.9 2006 Missouri Traffic Crashes, Drivers of Automobiles, Trucks, Vans, and Motor Homes, Driver Ejection by Seat Belt Usage	244
3.13.10 2006 Missouri Traffic Crashes, Drivers of Automobiles, Trucks, Vans, and Motor Homes, Age of Driver by Seat Belt Usage	245
3.13.11 2006 Missouri Traffic Crashes, Drivers of Automobiles, Trucks, Vans, and Motor Homes, Driver's License State and Type by Seat Belt Usage	246
3.13.12 2006 Missouri Traffic Crashes, Drivers of Automobiles, Trucks, Vans, and Motor Homes, Type of Vehicle Driven by Seat Belt Usage	247
3.13.13 2006 Missouri Traffic Crashes, Drivers of Automobiles, Trucks, Vans, and Motor Homes, Driver Intoxication by Seat Belt Usage	247
3.13.14 2006 Missouri Traffic Crashes, Drivers of Automobiles, Trucks, Vans, and Motor Homes, Seat Belt Usage Rates, County Quartile Analysis	248
3.13.15 Automobile / Truck / Van / Motor Home Occupants Under the Age of Four Years Killed and Injured in Missouri Traffic Crashes, 1981 - 1983 Average Compared to 1984 - 2005 Average and 2006	251

MISSOURI COUNTY AND CITY TRAFFIC CRASH ANALYSIS

4.0.1 2006 Missouri Traffic Crashes, County and City Summary	255
4.0.2 2006 Missouri Traffic Crashes, Multi-County City Summary	293

FIGURES

PAGE

MISSOURI TRAFFIC SAFETY PERSONAL INJURY PROBLEM ANALYSIS CLOCK

1.0.1	Missouri Traffic Safety Personal Injury Problem Analysis Clock, 2006	5
-------	--	---

MISSOURI STATEWIDE TRAFFIC SAFETY ANALYSIS

2.0.1	Missouri Death Rate, Annual Time Series	11
2.0.2	Missouri Injury Rate, Annual Time Series	11

Total Crashes

2.1.1	2006 Missouri Traffic Crashes, Month of Year	19
2.1.2	2006 Missouri Traffic Crashes, Day of Week	19
2.1.3	2006 Missouri Traffic Crashes, Hour of Day	20
2.1.4	Missouri Fatal Crashes, Annual Time Series	30
2.1.5	Missouri Fatal and Personal Injury Crashes, Annual Time Series	30

MISSOURI DETAIL TRAFFIC SAFETY PROBLEM ANALYSIS

Speed Involvement

3.1.1	2006 Missouri Speed-Involved Crashes, Month of Year	39
3.1.2	2006 Missouri Speed-Involved Crashes, Day of Week	39
3.1.3	2006 Missouri Speed-Involved Crashes, Hour of Day	40
3.1.4	Missouri Fatal and Personal Injury Speed-Involved Crashes, Annual Time Series	48

Drinking Involvement

3.2.1	2006 Missouri Drinking-Involved Crashes, Month of Year	55
3.2.2	2006 Missouri Drinking-Involved Crashes, Day of Week	55
3.2.3	2006 Missouri Drinking-Involved Crashes, Hour of Day	56
3.2.4	Missouri Fatal and Personal Injury Drinking-Involved Crashes, Annual Time Series	66

Young Driver Involvement

3.3.1	2006 Missouri Young Driver Involved Crashes, Month of Year	73
3.3.2	2006 Missouri Young Driver Involved Crashes, Day of Week	73
3.3.3	2006 Missouri Young Driver Involved Crashes, Hour of Day	74
3.3.4	Missouri Fatal and Personal Injury Young Driver Involved Crashes, Annual Time Series	84

Older Driver Involvement

3.4.1	2006 Missouri Older Driver Involved Crashes, Month of Year	91
3.4.2	2006 Missouri Older Driver Involved Crashes, Day of Week	91
3.4.3	2006 Missouri Older Driver Involved Crashes, Hour of Day	92
3.4.4	Missouri Fatal and Personal Injury Older Driver Involved Crashes, Annual Time Series	100

FIGURES

PAGE

Commercial Motor Vehicle Involvement

3.5.1	2006 Missouri Commercial Motor Vehicle Involved Crashes, Month of Year	107
3.5.2	2006 Missouri Commercial Motor Vehicle Involved Crashes, Day of Week	107
3.5.3	2006 Missouri Commercial Motor Vehicle Involved Crashes, Hour of Day	108
3.5.4	Missouri Fatal and Personal Injury Commercial Motor Vehicle Involved Crashes, Annual Time Series	117

Motorcycle Involvement

3.6.1	2006 Missouri Motorcycle Involved Crashes, Month of Year	125
3.6.2	2006 Missouri Motorcycle Involved Crashes, Day of Week	125
3.6.3	2006 Missouri Motorcycle Involved Crashes, Hour of Day	126
3.6.4	Missouri Fatal and Personal Injury Motorcycle Involved Crashes, Annual Time Series	134

School Bus Involvement

3.7.1	2006 Missouri School Bus Involved Crashes, Month of Year	142
3.7.2	2006 Missouri School Bus Involved Crashes, Day of Week	142
3.7.3	2006 Missouri School Bus Involved Crashes, Hour of Day	143
3.7.4	Missouri Fatal and Personal Injury School Bus Involved Crashes, Annual Time Series	151

Bicycle Involvement

3.8.1	2006 Missouri Bicycle Involved Crashes, Month of Year	158
3.8.2	2006 Missouri Bicycle Involved Crashes, Day of Week	158
3.8.3	2006 Missouri Bicycle Involved Crashes, Hour of Day	159
3.8.4	Missouri Fatal and Personal Injury Bicycle Involved Crashes, Annual Time Series	167

Pedestrian Involvement

3.9.1	2006 Missouri Pedestrian Involved Crashes, Month of Year	175
3.9.2	2006 Missouri Pedestrian Involved Crashes, Day of Week	175
3.9.3	2006 Missouri Pedestrian Involved Crashes, Hour of Day	176
3.9.4	Missouri Fatal and Personal Injury Pedestrian Crashes, Annual Time Series	186

Fixed Object Involvement

3.10.1	2006 Missouri Fixed Object Crashes, Month of Year	194
3.10.2	2006 Missouri Fixed Object Crashes, Day of Week	194
3.10.3	2006 Missouri Fixed Object Crashes, Hour of Day	195
3.10.4	Missouri Fatal and Personal Injury Fixed Object Crashes, Annual Time Series	204

Hazardous Material Involvement

3.11.1	2006 Missouri Hazardous Material Involved Crashes, Month of Year	210
3.11.2	2006 Missouri Hazardous Material Involved Crashes, Day of Week	210
3.11.3	2006 Missouri Hazardous Material Involved Crashes, Hour of Day	211

FIGURES

PAGE

Construction / Other Work Zone Involvement

3.12.1	2006 Missouri Construction / Other Work Zone Involved Crashes, Month of Year	227
3.12.2	2006 Missouri Construction / Other Work Zone Involved Crashes, Day of Week	227
3.12.3	2006 Missouri Construction / Other Work Zone Involved Crashes, Hour of Day	228

Seat Belt Usage

3.13.1	Percent of Drivers Wearing Seat Belts, Monthly Time Series	250
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EXECUTIVE SUMMARY

The purpose of this publication is to provide the Missouri State Highway Patrol, the Missouri Department of Transportation, Highway Safety Division, and other State and local authorities with information on Missouri's traffic crash problems. It is one in a series which is being produced annually.

The primary source of data for the Compendium is the Statewide Traffic Accident Records System being maintained by the Missouri State Highway Patrol. Although this publication contains historical data on Missouri's traffic crash and severity experience, emphasis is placed on the most recent year (2006).

In 2006, Missouri had a total of 167,143 traffic crashes. The economic loss associated with these traffic crashes was estimated to be \$3,492,730,000. In these traffic crashes, 0.6% (971) involved one or more persons being killed in the incident. In addition, 25.2% (42,138) involved no persons being killed but one or more persons being injured in the incident.

In 2006, a total of 1,096 persons died in Missouri traffic crashes. One person was killed every 8.0 hours. The death rate (the number of deaths per 100 million miles of travel) was 1.6 in 2006. In 2005, the death rate was 1.8.

A total of 62,078 persons were injured in traffic crashes in 2006. One person was injured every 8.5 minutes.

Data are provided in this Compendium identifying causal factors or characteristics of Missouri's traffic crash experience which directly impact the frequency of occurrence or personal death and injury severity levels. A brief analysis of these factors is given below:

- Speed was found to be a significant contributing factor in Missouri's traffic crash experience especially as it relates to crashes involving death and injury. Of all 2006 Missouri traffic crashes, 16.3% were speed related. Of all fatal crashes, 41.2% were speed related. A total of 454 persons were killed and 13,919 were injured in this type of crash. In 2006, one person was killed or injured every 36.6 minutes in speed related traffic crashes in the State of Missouri.
- Drinking involvement was a significant contributing factor in Missouri's serious traffic crash experience in 2006. Of all 2006 Missouri traffic crashes, 4.9% involved a person drinking. However, of all fatal crashes, 25.1% had a person drinking. A total of 270 persons were killed and 5,157 were injured in these crashes. In 2006, one person was killed or injured in drinking-involved crashes every 1.6 hours in the State. It should be noted that drinking involvement is being under-reported as a causal factor in traffic crashes and is an even greater problem than the above statistics indicate.
- Drivers of motorized vehicles under the age of 21 were involved in a large number of crashes in the State of Missouri. Of all 2006 traffic crashes, 28.9% involved one or more drivers under the age of 21. Of all fatal crashes, 22.5% involved a young driver. Their involvement in Missouri traffic crashes becomes even more significant when it is recognized that drivers under 21 made up only 9.5% of all Missouri's licensed drivers. A total of 255 persons were killed and 18,680 were injured in traffic crashes involving young drivers. In 2006, one person was killed or injured in a young driver involved traffic crash every 27.8 minutes in the State of Missouri.
- Drivers of motorized vehicles 55 years of age and older were involved in a large number of Missouri traffic crashes. Of all 2006 traffic crashes, 29.4% involved an older driver. Of all fatal crashes, 29.0% involved an older driver. A total of 314 persons were killed and 17,166 were injured in these traffic crashes. In 2006, one person was killed or injured in an older driver involved traffic crash every 30.1 minutes in the State of Missouri.
- Commercial motor vehicles were involved in a significant number of Missouri traffic crashes. In 2006, 10.3% of all traffic crashes involved a commercial motor vehicle. When examining fatal traffic crashes, 15.7% involved a commercial motor vehicle. A total of 191 persons were killed and 4,857 were injured in commercial motor vehicle related crashes. As a result, one person was killed or injured in commercial motor vehicle involved traffic crashes every 1.7 hours in the State.

- Although motorcycle related traffic crashes do not occur in extremely large numbers in the State of Missouri, they usually result in persons (mainly motorcycle drivers and passengers) being either killed or injured. Of all traffic crashes occurring in the State in 2006, 25.8% resulted in a person being killed or injured. However, in motorcycle involved crashes, 81.3% resulted in a death or personal injury. In 2006, 1.4% of all traffic crashes involved a motorcycle. In fatal traffic crashes, 9.4% involved a motorcycle. A total of 94 persons were killed and 2,089 were injured in motorcycle traffic crashes. One person was killed or injured in these crashes every 4.0 hours in the State of Missouri.
- Although school buses are not involved in a large number of traffic crashes in the State of Missouri they are important due to their potential for causing death and injury to young children. Of all 2006 Missouri traffic crashes, 0.7% involved a school bus or school bus signal. Three people were killed and 406 were injured in these crashes. In 2006, one person was killed or injured in school bus involved traffic crashes every 21.4 hours in the State of Missouri.
- Although bicycle related traffic crashes do not occur in extremely large numbers in the State of Missouri, they usually result in persons (mainly bicycle drivers and passengers) being either killed or injured. Of all traffic crashes occurring in the State in 2006, 25.8% resulted in a person being killed or injured. However, in bicycle traffic crashes, 81.4% resulted in a death or personal injury. In addition, young children account for a large proportion of the bicyclists involved in traffic crashes. The average age of bicycle drivers involved in 2006 traffic crashes was 24.6 years. Of all 2006 Missouri traffic crashes, 0.5% involved a bicycle. Of all fatal traffic crashes, 0.7% were bicycle related. Seven persons were killed and 601 were injured in these traffic crashes. One person was killed or injured in a bicycle traffic crash every 14.4 hours in the State.
- Although pedestrian related traffic crashes do not occur in extremely large numbers in the State of Missouri, they usually result in persons (mainly the pedestrian) being either killed or injured. Of all traffic crashes in the State in 2006, 25.8% resulted in a person being killed or injured. However, in pedestrian traffic crashes, 93.1% resulted in a death or personal injury. In addition, young children and older persons account for a large proportion of the pedestrians killed or injured in these traffic crashes. Of all 2006 Missouri traffic crashes, 0.9% involved a pedestrian. Of all fatal traffic crashes, 8.0% involved a pedestrian. A total of 78 persons were killed and 1,432 were injured in these traffic crashes. One person was killed or injured in a pedestrian traffic crash every 5.8 hours in the State of Missouri.
- Motor vehicles striking fixed objects account for a large number of traffic crashes in the State of Missouri, especially those resulting in death or personal injury. Of all 2006 Missouri traffic crashes, 18.2% involved a fixed object being struck as part of the first harmful event. In fatal crashes, 39.8% involved a fixed object. A total of 419 persons were killed and 13,328 were injured in fixed object traffic crashes. One person was killed or injured every 38.2 minutes in this type of crash in the State.
- Although hazardous materials are not involved in a large number of traffic crashes in the State of Missouri, they are a significant problem because of their potential for causing death, personal injury, and property damage through the release of such materials in the surrounding environment. Of all 2006 traffic crashes, 0.1% involved hazardous materials. Of all fatal traffic crashes, 0.3% were hazardous material related. Three people were killed and 43 were injured in hazardous material crashes. One person was killed or injured in these crashes every 7.9 days in the State of Missouri.
- Construction / other work zones are not involved in a large number of traffic crashes in the State of Missouri. However, they are considered a significant problem because they are temporary in nature and not found that frequently on the State's roadway network compared to other types of traffic controls. In 2006, 2.1% of all traffic crashes involved a construction / other work zone. When examining fatal traffic crashes, 1.7% were associated with a construction / other work zone. Nineteen people were killed and 1,193 were injured in construction / other work zone related traffic crashes. As a result, one person was killed or injured in this type of crash every 7.2 hours.
- The wearing of seat belts by drivers and passengers in vehicles is one of the best ways to prevent death and personal injury when involved in a traffic crash. The State of Missouri has recognized the benefit seat belt usage has on reducing traffic crash deaths and injuries through the passage of infant restraint and adult seat belt laws in recent years. The effectiveness of using seat belts becomes apparent when considering the following statistics.

A driver of an automobile, van, motor home, or truck involved in a 2006 Missouri traffic crash had a 1 in 4 chance of being injured if they were not wearing their seat belt. However, if they were wearing a seat belt, their chance of being injured was 1 in 8. When examining driver deaths, the difference is much more dramatic. A driver involved in a 2006 Missouri traffic crash had a 1 in 31 chance of being killed if they were not wearing a seat belt. In those cases where the driver wore a seat belt their chance of being killed was 1 in 1,300.

INTRODUCTION

This Compendium presents data identifying the scope, magnitude, and severity of the traffic crash problem in Missouri. In addition, data are presented which identify specific traffic crash / severity causative factors and characteristics of special interest to traffic safety authorities. Although historical data are provided, emphasis is placed on the most recent year's experience (2006).

This Compendium was prepared by the Missouri State Highway Patrol, Statistical Analysis Center (SAC) at the request of the Missouri Department of Transportation, Highway Safety Division.

The traffic safety data contained in this publication are segmented into four sections. The first section displays the 2006 Missouri Traffic Safety Personal Injury Problem Analysis Clock. This clock offers an overview of the frequency of deaths and injuries caused by traffic crashes in the State in relation to time. The second section provides data related to Missouri's total traffic crash experience from an historical perspective and provides historical data related to Missouri's driver licensing, vehicle registration, and annual miles of travel activity levels. This section also provides an examination of the overall Missouri traffic crash experience and includes analyses of crash type, roadway features and classification, weather and light conditions, temporal and geographic patterns, causative factors, driver characteristics and behavior, and vehicle types. The third section presents data on Missouri's traffic crash experience as it relates to specific types of causative factors or characteristics which affect the frequency of occurrence or crash severity. Specific traffic safety problem areas addressed in this section are:

- Speed Involvement
- Drinking Involvement
- Young Driver Involvement
- Older Driver Involvement
- Commercial Motor Vehicle Involvement
- Motorcycle Involvement
- School Bus Involvement
- Bicycle Involvement
- Pedestrian Involvement
- Fixed Object Involvement
- Hazardous Material Involvement
- Construction / Other Work Zone Involvement
- Seat Belt Usage

The last section of the Compendium provides summary data on the 2006 traffic crash experience of all counties and of cities with populations of 1,000 or more in the State of Missouri. In addition, breakouts are provided identifying the proportion of each community's traffic crash activity related to the problem areas discussed in the previous section of the Compendium (Seat Belt Usage is the only exception).

Data for this Compendium were obtained from a variety of sources. Traffic crash data used in the Compendium were obtained from the Statewide Traffic Accident Records System (STARS). This system is maintained by the Missouri State Highway Patrol (MSHP). In accordance with State statute, law enforcement agencies are required to investigate traffic crashes on public roadways if they involve a death or personal injury or property damage over \$500.00. Their findings are submitted on a standard traffic accident report form to the STARS system. Data from these reports are encoded by MSHP staff in computerized files. These files are made available to the Missouri SAC for traffic safety data analysis purposes.

Driver's licensing data were obtained from the Missouri Department of Revenue (DOR) driver history files. Vehicle registrations and annual vehicle miles of travel data were obtained from the Missouri Department of Transportation (MoDOT).

Slight discrepancies may be found if comparisons are made with other publications using data from STARS. These discrepancies may be a result of updates being made to STARS files between the time the other publications were developed and the time data analysis for this publication was performed. In addition, the STARS database selection logic used to identify a specific traffic crash problem could be different which would result in discrepancies in data display presentations.

Discrepancies also may be found if comparisons are made with MoDOT publications related to State-maintained roadway traffic crash statistics. MoDOT reviews all STARS traffic crash reports individually. If the crash occurs on a State-maintained roadway, the crash location is analyzed and recoded using a sophisticated highway classification and log point referencing system. Because of this review / update process and differences in road type coding definitions, discrepancies may be noted. For obtaining crash statistics on the Missouri State-maintained highway system only, it is recommended reliance be placed on MoDOT publications.

A number of Federal, State, and local information systems besides STARS capture data on some aspect of Missouri's traffic crash experience. One of the most notable is the Fatality Analysis Reporting System (FARS). In this information system, data on all fatal traffic crashes are compiled from a number of different sources and reported to a national repository in Washington, D.C. Although findings using both FARS and STARS data are similar, they do vary greatly when analyzing drinking involvement in traffic crashes. In STARS, reliance is solely based on the investigating officer's opinion that drivers or pedestrians were drinking and their intoxicated condition contributed to the cause of the traffic crash. In FARS, reliance is not only based on the opinion of the investigating officer but also on results of blood alcohol content tests taken on persons killed within a few hours of the crash. By Missouri statute, coroners and medical examiners are required to take these tests and report the results to the FARS unit. Because of this additional reporting mechanism, drinking involved fatal traffic crash statistics using FARS data indicate this causative factor is a much greater problem than comparable statistics based on STARS data. However, it must be recognized FARS data **only** describe Missouri's fatal traffic crashes while STARS data describe the State's total traffic crash experience on public roadways (except for minor property damage crashes).

A number of other publications, being produced on an annual basis, provide insights into Missouri's traffic crash experience. In cases where the Compendium does not provide all the information required, it is recommended one or more of the following publications be used:

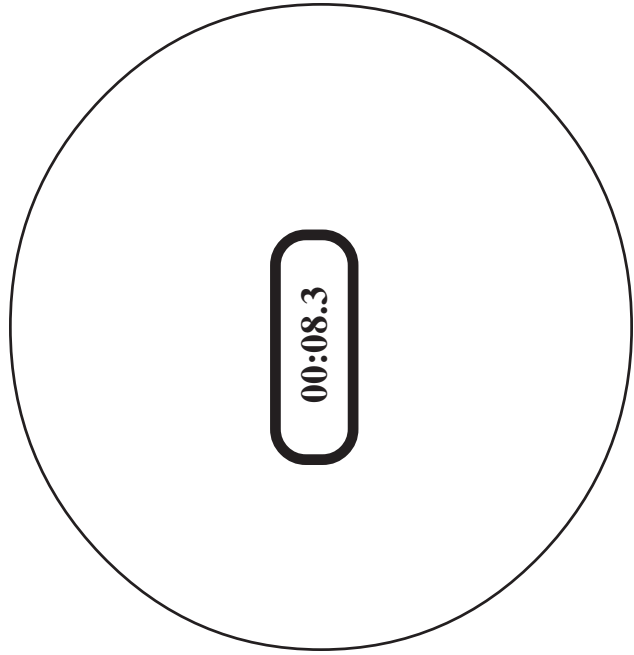
1. *Traffic Crash Facts Booklet* - Missouri State Highway Patrol, Traffic Division.
2. *Missouri Vital Statistics* - State Center for Health Statistics
3. *Missouri State Highway System Traffic Accident Statistics* - Missouri Department of Transportation, Traffic Division.

1.0 MISSOURI TRAFFIC SAFETY PERSONAL INJURY PROBLEM ANALYSIS CLOCK

THIS CLOCK SUMMARIZES PERSONS KILLED AND INJURED IN TRAFFIC CRASHES IN THE STATE OF MISSOURI DURING 2006 IN RELATION TO TIME. IN ADDITION, IT SUMMARIZES DEATHS AND INJURIES OCCURRING IN TRAFFIC CRASHES WHERE SPECIFIC CAUSAL FACTORS OR CHARACTERISTICS WERE FOUND. FROM THIS PERSPECTIVE AN APPRECIATION OF THE RELATIVE FREQUENCY AND SERIOUSNESS OF THESE FACTORS AND CHARACTERISTICS CAN BE OBTAINED. THIS CLOCK SHOULD BE VIEWED WITH CARE. THIS MODE OF DISPLAY SHOULD NOT BE TAKEN TO IMPLY A REGULARITY IN THE OCCURRENCE OF DEATHS AND INJURIES IN TRAFFIC CRASH ACTIVITY; RATHER, IT REPRESENTS THE ANNUAL RATIO OF DEATHS AND PERSONAL INJURIES TO FIXED TIME INTERVALS.

**MISSOURI TRAFFIC SAFETY PERSONAL INJURY
PROBLEM ANALYSIS CLOCK**

2006



63,174 persons killed or injured in all traffic crashes.
One every 8.3 minutes.

1,096 persons killed in all traffic crashes.
One every 8.0 hours.

62,078 persons injured in all traffic crashes. One every 8.5 minutes.

- 14,373 persons killed or injured in speed involved crashes. One every 36.6 minutes.
- 5,427 persons killed or injured in drinking involved crashes. One every 1.6 hours.
- 18,935 persons killed or injured in young driver involved crashes. One every 27.8 minutes.
- 17,480 persons killed or injured in older driver involved crashes. One every 30.1 minutes.
- 5,048 persons killed or injured in commercial motor vehicle involved crashes. One every 1.7 hours.
- 2,183 persons killed or injured in motorcycle involved crashes. One every 4.0 hours.
- 409 persons killed or injured in school bus involved crashes. One every 21.4 hours.
- 608 persons killed or injured in bicycle involved crashes. One every 14.4 hours.
- 1,510 persons killed or injured in pedestrian involved crashes. One every 5.8 hours.
- 13,747 persons killed or injured in fixed object crashes. One every 38.2 minutes.
- 46 persons killed or injured in hazardous material involved crashes. One every 7.9 days.
- 1,212 persons killed or injured in construction / other work zone involved crashes. One every 7.2 hours.

FIGURE 1.01

2.0 MISSOURI STATEWIDE TRAFFIC SAFETY ANALYSIS

A SERIES OF TABLES AND FIGURES SUMMARIZES MISSOURI'S TRAFFIC CRASH EXPERIENCE FROM AN HISTORICAL PERSPECTIVE. IN ADDITION, DATA ARE PRESENTED WHICH IDENTIFY MISSOURI'S DRIVER'S LICENSING, VEHICLE REGISTRATION, AND ANNUAL MILES OF TRAVEL ACTIVITY LEVELS. THE PURPOSE OF THESE DISPLAYS IS TO PROVIDE AN HISTORICAL OVERVIEW OF THE FREQUENCY AND SERIOUSNESS OF MISSOURI'S TRAFFIC CRASH PROBLEM IN RELATION TO THE AMOUNT OF TRAVEL INVOLVED AND TO THE IN-STATE DRIVER AND VEHICLE POPULATION LEVELS.

STATE OF MISSOURI, TRAFFIC SAFETY STATISTICS

1982 - 2006

Year	Killed	Injured	Economic Loss	Licensed ¹ Drivers	Vehicles ² Registered	Miles ² Travelled	Death Rate ³	Injury Rate ⁴
1982	908	53,366	690,500,000	3,352,573	3,486,383	35,003,000,000	2.6	155.1
1983	921	56,412	763,410,000	3,378,247	3,502,219	36,543,000,000	2.5	156.9
1984	991	64,099	887,080,000	3,402,967	3,585,303	38,431,000,000	2.6	169.4
1985	948	66,970	906,980,000	3,415,014	3,635,364	39,286,000,000	2.4	172.9
1986	1,143	69,455	1,100,070,000	3,436,028	3,737,386	41,572,000,000	2.7	169.8
1987	1,058	67,743	1,158,640,000	3,472,027	3,760,948	43,379,000,000	2.4	158.6
1988	1,103	69,321	1,368,710,000	3,511,986	3,835,292	45,447,000,000	2.4	155.0
1989	1,052	68,588	1,352,250,000	3,537,276	3,881,896	48,087,000,000	2.2	144.8
1990	1,097	72,493	1,463,320,000	3,702,692	3,948,319	49,891,000,000	2.2	147.5
1991	1,011	67,707	1,616,100,000	3,445,079	3,987,545	50,676,000,000	2.0	135.6
1992	985	70,550	1,981,940,000	3,454,548	4,039,447	53,108,000,000	1.9	134.7
1993	949	77,521	2,561,332,000	3,499,278	4,097,716	54,821,000,000	1.7	143.1
1994	1,089	81,046	3,068,532,000	3,382,050	4,206,637	57,287,000,000	1.9	143.4
1995	1,109	81,174	3,169,354,000	3,688,225	4,250,708	59,115,000,000	1.9	139.2
1996	1,148	82,717	3,066,403,000	3,797,574	4,381,105	61,007,000,000	1.9	137.5
1997	1,192	81,570	2,951,124,000	3,832,875	4,339,101	62,979,000,000	1.9	131.4
1998	1,169	79,765	3,241,096,000	3,935,879	4,405,307	64,533,000,000	1.8	125.4
1999	1,094	78,297	3,166,768,000	3,983,650	4,429,689	66,856,000,000	1.6	118.7
2000	1,157	76,338	3,239,268,000	4,006,790	4,612,009	66,905,000,000	1.7	115.8
2001	1,098	73,629	3,205,959,000	4,019,869	4,244,980	67,635,000,000	1.6	110.5
2002	1,208	72,614	3,398,527,000	4,118,933	4,413,717	68,162,000,000	1.8	108.3
2003	1,232	69,150	3,432,857,000	4,186,002	4,416,352	67,929,000,000	1.8	103.6
2004	1,130	68,678	3,700,111,000	4,262,059	4,928,515	68,300,000,000	1.7	102.2
2005	1,257	66,423	3,713,708,000	4,284,187	4,722,723	68,754,000,000	1.8	98.4
2006	1,096	62,078	3,492,730,000	4,281,710	5,105,733	68,834,000,000	1.6	91.8

¹Licensed drivers data were obtained from the Missouri Department of Revenue.

²Vehicle registration and miles travelled data were obtained from the Missouri Department of Transportation.

³Number of deaths per 100 million miles of vehicle travel.

⁴Number of deaths and injuries per 100 million miles of vehicle travel.

TABLE 2-0.1

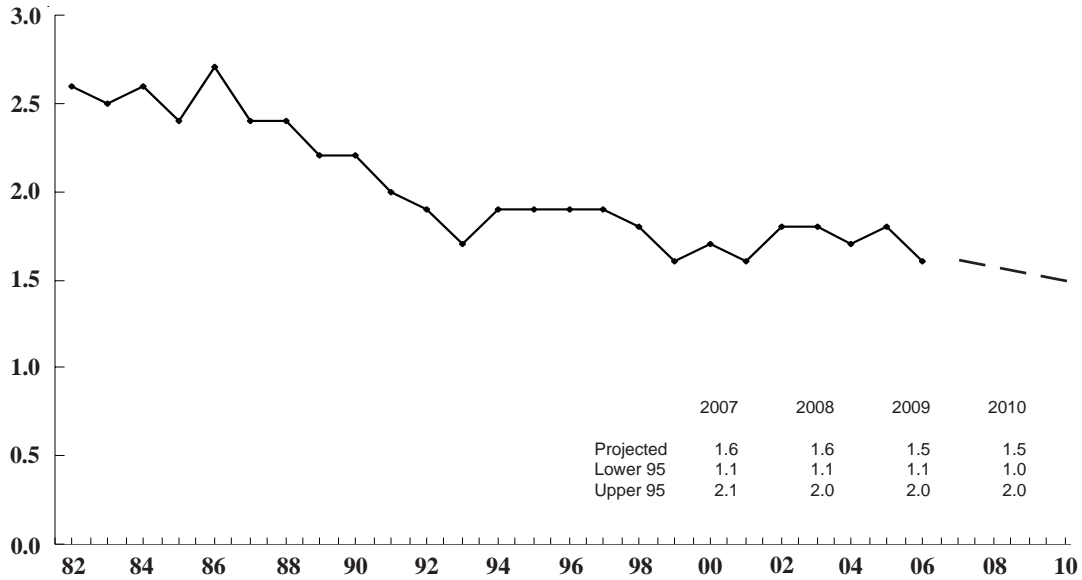
1997 - 2006 MISSOURI TRAFFIC CRASHES

YEAR BY CRASH SEVERITY

YEAR	FATAL		PERSONAL INJURY		PROPERTY DAMAGE		TOTAL	
1997	1,029		51,812		139,050		191,891	
<i>ROW %</i>		<i>0.5</i>		<i>27.0</i>		<i>72.5</i>		<i>100.0</i>
1998	1,017		51,215		142,760		194,992	
<i>ROW %</i>		<i>0.5</i>		<i>26.3</i>		<i>73.2</i>		<i>100.0</i>
1999	964		50,610		142,279		193,853	
<i>ROW %</i>		<i>0.5</i>		<i>26.1</i>		<i>73.4</i>		<i>100.0</i>
2000	991		49,722		143,116		193,829	
<i>ROW %</i>		<i>0.5</i>		<i>25.7</i>		<i>73.8</i>		<i>100.0</i>
2001	973		48,325		139,358		188,656	
<i>ROW %</i>		<i>0.5</i>		<i>25.6</i>		<i>73.9</i>		<i>100.0</i>
2002	1,082		47,981		136,743		185,806	
<i>ROW %</i>		<i>0.6</i>		<i>25.8</i>		<i>73.6</i>		<i>100.0</i>
2003	1,095		45,990		135,650		182,735	
<i>ROW %</i>		<i>0.6</i>		<i>25.2</i>		<i>74.2</i>		<i>100.0</i>
2004	1,006		45,855		135,400		182,261	
<i>ROW %</i>		<i>0.5</i>		<i>25.2</i>		<i>74.3</i>		<i>100.0</i>
2005	1,117		44,667		129,364		175,148	
<i>ROW %</i>		<i>0.6</i>		<i>25.5</i>		<i>73.9</i>		<i>100.0</i>
2006	971		42,138		124,034		167,143	
<i>ROW %</i>		<i>0.6</i>		<i>25.2</i>		<i>74.2</i>		<i>100.0</i>

TABLE 2.0.2

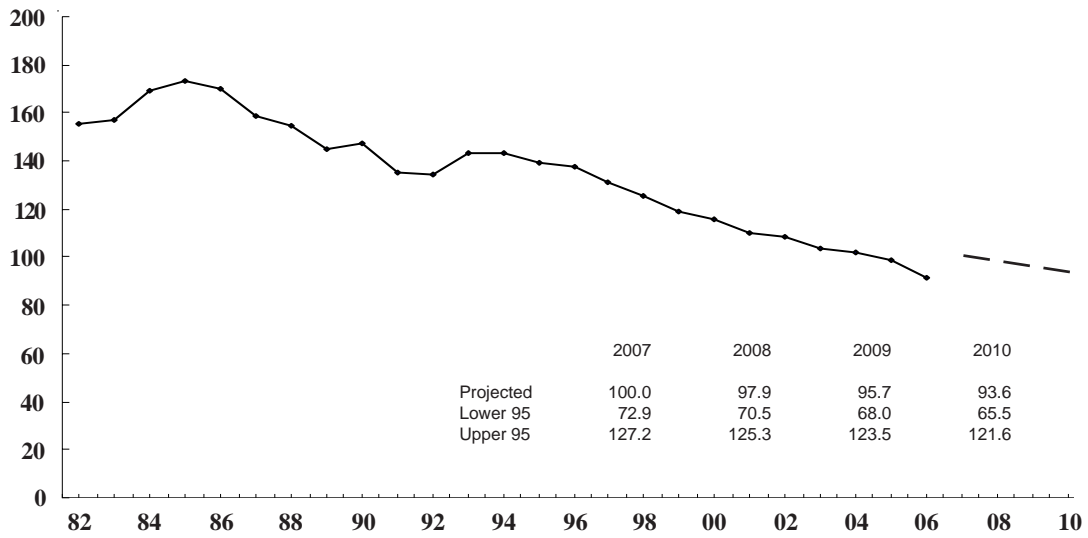
MISSOURI DEATH RATE¹
ANNUAL TIME SERIES



¹Number of deaths per 100 million miles of vehicle travel.

FIGURE 2.0.1

MISSOURI INJURY RATE¹
ANNUAL TIME SERIES



¹Number of deaths and injuries per 100 million miles of vehicle travel.

FIGURE 2.0.2

2.1 MISSOURI TRAFFIC CRASHES

This section presents a series of data displays which identify all Missouri traffic crash activity. Data displays also are provided which describe characteristics of the drivers in these traffic crashes.

2006 SUMMARY ANALYSIS

- Of all 2006 Missouri traffic crashes, 0.6% involved one or more persons being killed in the crash (Fatal) and 25.2% involved no persons killed, but one or more persons injured in the crash (Personal Injury). In 74.2% of the crashes, no persons were killed or injured, but property was damaged during the crash (Property Damage).
- There was a decrease of 4.6% in the rate of change when comparing all 2006 traffic crash activity with that in 2005. There was a decrease of 13.1% when comparing 2006 fatal traffic crashes with 2005.
- In 2006, 1,096 persons were killed and 62,078 were injured in traffic crashes in the State of Missouri.
- In 2006, one person was killed or injured in a traffic crash every 8.3 minutes in the State of Missouri.
- Of all 2006 crashes, the first harmful event in 66.4% of the cases involved one motor vehicle in transport striking another motor vehicle in transport. In 18.2% of the cases, it involved a motor vehicle striking a fixed object. Of all 2006 fatal crashes, 39.8% involved a motor vehicle striking a fixed object.
- Of all 2006 traffic crashes, 66.5% occurred in an urban area of the State and 33.5% occurred in a rural area. However, in fatal crashes 71.7% occurred in rural area.
- Of all drivers in 2006 traffic crashes, 56.2% were male and 43.8% were female. The average age of drivers was 38.0 years.
- Of all drivers in 2006 traffic crashes, 86.7% had a Missouri driver's license, 10.5% had an out-of-state driver's license, and 2.8% were unlicensed at the time of the traffic crash.

Please note: The number of persons killed and injured in traffic crashes may not necessarily match the number of fatal and personal injury crashes. In any given crash, multiple people may be involved. For example -- there may be one person killed and two injured in a crash, but there is still only one crash.

2005 and 2006 MISSOURI TRAFFIC CRASH ANALYSIS

	2005	2006	RATE OF CHANGE
FATAL	1,117	971	- 13.1
PERSONAL INJURY	44,667	42,138	- 5.7
PROPERTY DAMAGE	129,364	124,034	- 4.1
TOTAL	175,148	167,143	- 4.6
PERSONS KILLED	1,257	1,096	- 12.8
PERSONS INJURED	66,423	62,078	- 6.5

TABLE 2.1.1

2006 MISSOURI TRAFFIC CRASHES

CRASH TYPE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
ANIMAL	4	0.4	423	1.0	3,944	3.2	4,371	2.6
BICYCLIST	7	0.7	584	1.4	135	0.1	726	0.4
FIXED OBJECT	386	39.8	10,196	24.2	19,853	16.0	30,435	18.2
OTHER OBJECT	6	0.6	180	0.4	1,434	1.2	1,620	1.0
PEDESTRIAN	74	7.6	1,209	2.9	92	0.1	1,375	0.8
TRAIN	3	0.3	17	0.0	33	0.0	53	0.0
VEHICLE IN TRANSPORT	342	35.2	26,314	62.5	84,388	68.0	111,044	66.4
VEHICLE ON OTHER ROADWAY	12	1.2	65	0.2	209	0.2	286	0.2
PARKED VEHICLE	13	1.3	695	1.7	11,724	9.5	12,432	7.4
NONCOLLISION OVERTURN	114	11.7	2,198	5.2	1,323	1.1	3,635	2.2
NONCOLLISION OTHER	10	1.0	257	0.6	899	0.7	1,166	0.7
TOTAL	971	100.0	42,138	100.0	124,034	100.0	167,143	100.0

TABLE 2.1.2

2006 MISSOURI TRAFFIC CRASHES

AREA CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
URBAN	275	28.3	25,631	60.8	85,298	68.8	111,204	66.5
RURAL	696	71.7	16,507	39.2	38,736	31.2	55,939	33.5
TOTAL	971	100.0	42,138	100.0	124,034	100.0	167,143	100.0

TABLE 2.1.3

2006 MISSOURI TRAFFIC CRASHES

ROAD CURVATURE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
STRAIGHT	639	65.8	34,077	81.4	103,711	86.5	138,427	85.1
CURVE	332	34.2	7,802	18.6	16,180	13.5	24,314	14.9
UNKNOWN	0	-	259	-	4,143	-	4,402	-
TOTAL	971	100.0	42,138	100.0	124,034	100.0	167,143	100.0

TABLE 2.1.4

2006 MISSOURI TRAFFIC CRASHES

ROAD INCLINE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
LEVEL	467	48.2	27,397	65.8	85,811	72.1	113,675	70.3
HILL	464	47.9	13,085	31.4	30,510	25.6	44,059	27.3
CREST	37	3.8	1,146	2.8	2,664	2.2	3,847	2.4
UNKNOWN	3	-	510	-	5,049	-	5,562	-
TOTAL	971	100.0	42,138	100.0	124,034	100.0	167,143	100.0

TABLE 2.1.5

2006 MISSOURI TRAFFIC CRASHES

ROAD CONDITIONS BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRY	845	87.3	34,893	83.3	101,028	82.2	136,766	82.5
WET	109	11.3	6,293	15.0	19,073	15.5	25,475	15.4
SNOW	8	0.8	344	0.8	1,386	1.1	1,738	1.1
ICE	6	0.6	288	0.7	1,093	0.9	1,387	0.8
SLUSH	0	0.0	55	0.1	177	0.1	232	0.1
MUD	0	0.0	8	0.0	22	0.0	30	0.0
STANDING WATER	0	0.0	14	0.0	53	0.0	67	0.0
MOVING WATER	0	0.0	6	0.0	28	0.0	34	0.0
UNKNOWN	3	-	237	-	1,174	-	1,414	-
TOTAL	971	100.0	42,138	100.0	124,034	100.0	167,143	100.0

TABLE 2.1.6

2006 MISSOURI TRAFFIC CRASHES

LIGHT CONDITIONS BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DAYLIGHT	494	50.9	29,663	70.4	88,753	71.6	118,910	71.1
DARK -- STREET LIGHTS ON	127	13.1	6,545	15.5	20,608	16.6	27,280	16.3
DARK -- STREET LIGHTS OFF	6	0.6	222	0.5	738	0.6	966	0.6
DARK -- NO STREET LIGHTS	339	34.9	5,185	12.3	10,977	8.9	16,501	9.9
INDETERMINATE	5	0.5	523	1.2	2,958	2.4	3,486	2.1
TOTAL	971	100.0	42,138	100.0	124,034	100.0	167,143	100.0

TABLE 2.1.7

2006 MISSOURI TRAFFIC CRASHES

HIGHWAY CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	136	14.0	4,840	11.5	15,164	12.2	20,140	12.1
U.S. HIGHWAY	172	17.7	4,453	10.6	11,072	8.9	15,697	9.4
STATENUMBERED	214	22.0	7,416	17.6	17,535	14.1	25,165	15.1
SINGLESTATELETTERED	129	13.3	3,099	7.4	5,340	4.3	8,568	5.1
DOUBLESTATELETTERED	51	5.3	1,275	3.0	2,457	2.0	3,783	2.3
OUTER ROAD	7	0.7	365	0.9	898	0.7	1,270	0.8
COUNTY ROAD	112	11.5	3,924	9.3	9,643	7.8	13,679	8.2
CITY STREET	136	14.0	15,320	36.4	56,554	45.6	72,010	43.1
INTERSTATELOOP	2	0.2	235	0.6	565	0.5	802	0.5
OTHER ¹	12	1.2	1,211	2.9	4,806	3.9	6,029	3.6
TOTAL	971	100.0	42,138	100.0	124,034	100.0	167,143	100.0

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

TABLE 2.1.8

2006 MISSOURI TRAFFIC CRASHES

HIGHWAY CLASSIFICATION BY AREA CLASSIFICATION AND CRASH SEVERITY

	URBAN						RURAL									
	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	55	20.0	3,222	12.6	9,759	11.4	13,036	11.7	81	11.6	1,618	9.8	5,405	14.0	7,104	12.7
U.S. HIGHWAY	35	12.7	2,046	8.0	5,888	6.9	7,969	7.2	137	19.7	2,407	14.6	5,184	13.4	7,728	13.8
STATE NUMBERED	33	12.0	3,262	12.7	9,129	10.7	12,424	11.2	181	26.0	4,154	25.2	8,406	21.7	12,741	22.8
SINGLE STATE LETTERED	7	2.6	523	2.0	1,532	1.8	2,062	1.9	122	17.5	2,576	15.6	3,808	9.8	6,506	11.6
DOUBLE STATE LETTERED	7	2.6	308	1.2	901	1.1	1,216	1.1	44	6.3	967	5.9	1,556	4.0	2,567	4.6
OUTER ROAD	3	1.1	225	0.9	563	0.7	791	0.7	4	0.6	140	0.9	335	0.9	479	0.9
COUNTY ROAD	3	1.1	697	2.7	2,343	2.8	3,043	2.7	109	15.7	3,227	19.6	7,300	18.9	10,636	19.0
CITY STREET	126	45.8	14,222	55.5	51,288	60.1	65,636	59.0	10	1.4	1,098	6.7	5,266	13.6	6,374	11.4
INTERSTATE LOOP	1	0.4	195	0.8	464	0.5	660	0.6	1	0.1	40	0.2	101	0.3	142	0.3
OTHER ¹	5	1.8	931	3.6	3,431	4.0	4,367	3.9	7	1.0	280	1.7	1,375	3.6	1,662	3.0
TOTAL	275	100.0	25,631	100.0	85,298	100.0	111,204	100.0	696	100.0	16,507	100.0	38,736	100.0	55,939	100.0

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

TABLE 2.1.9

**2006 MISSOURI TRAFFIC CRASHES
MONTH OF YEAR**

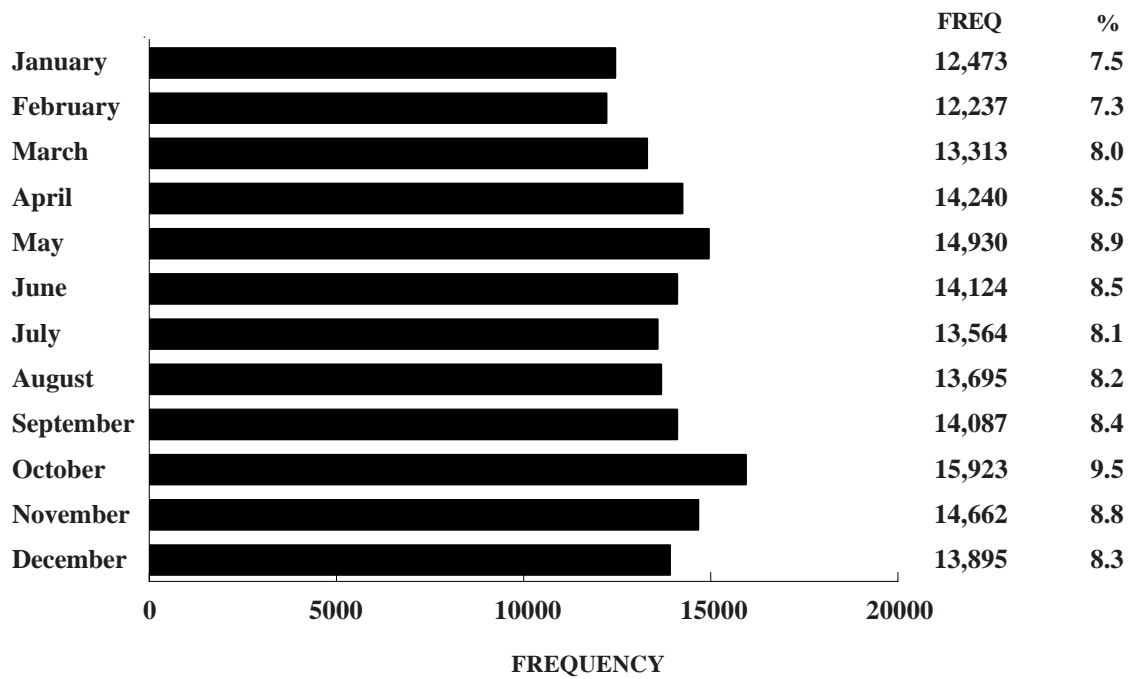
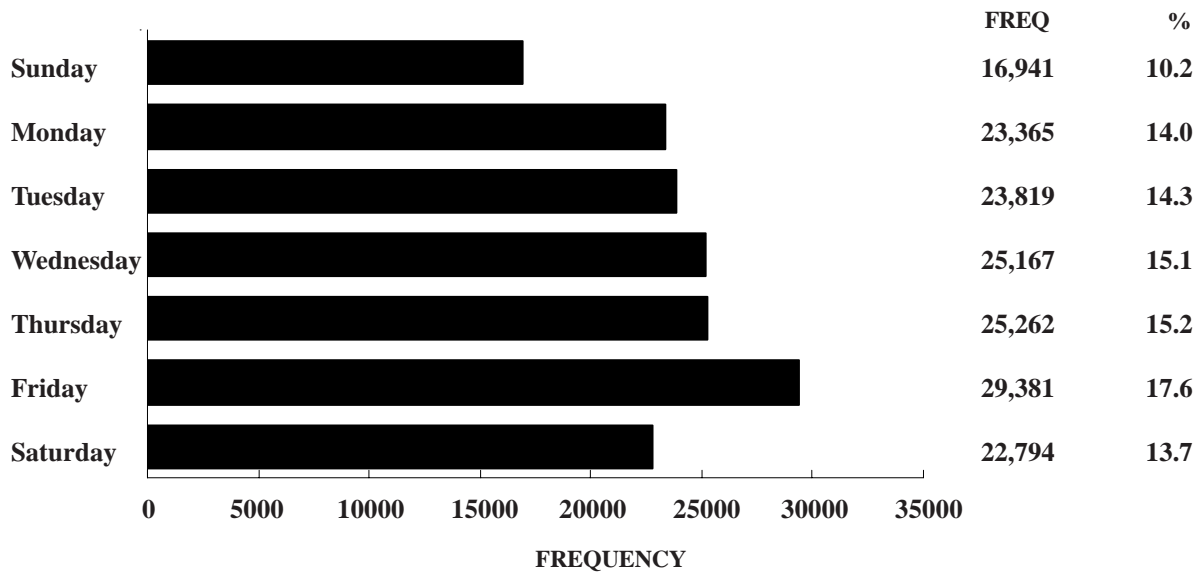


FIGURE 2.1.1

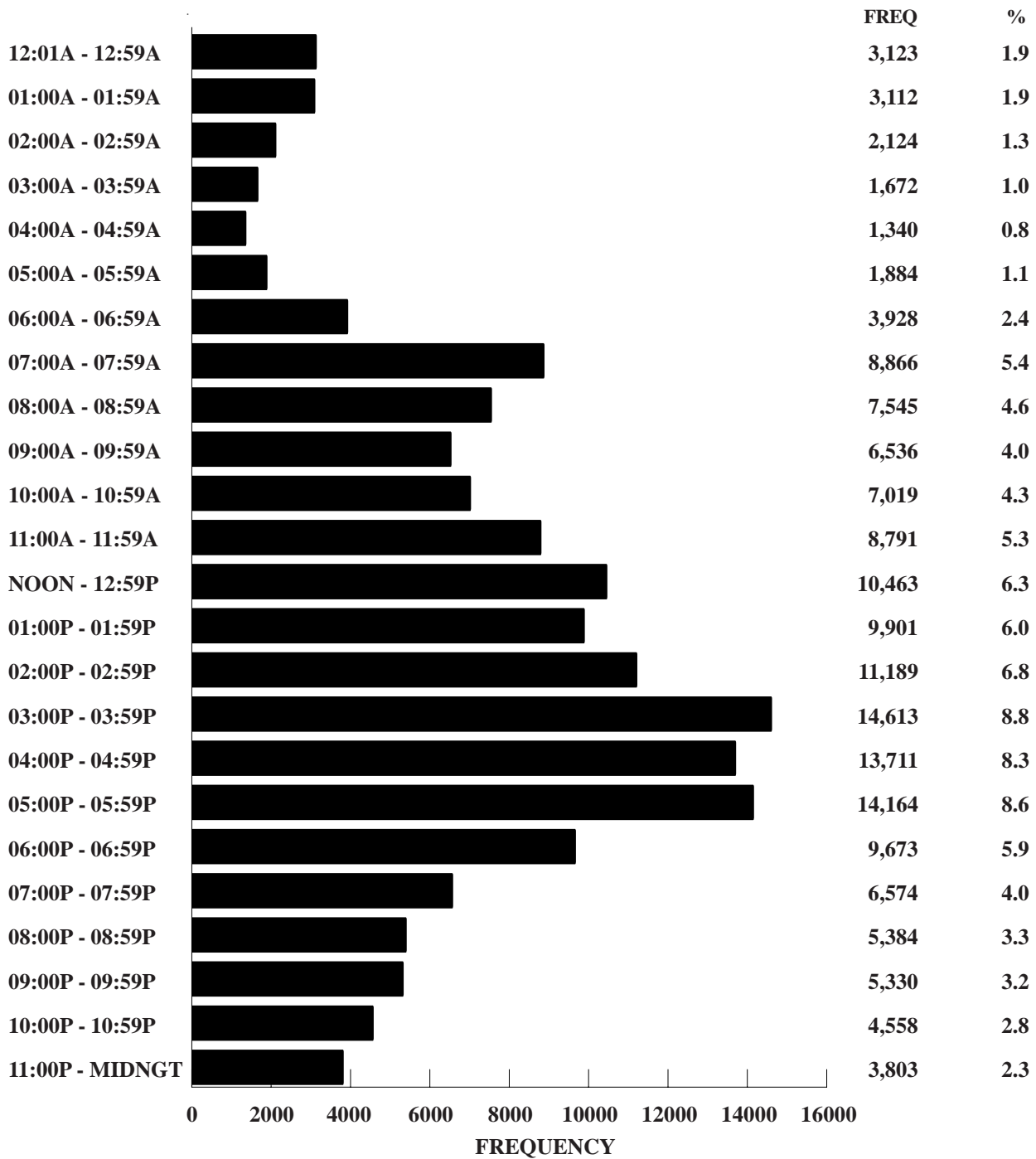
**2006 MISSOURI TRAFFIC CRASHES
DAY OF WEEK**



Unknown Data Not Included

FIGURE 2.1.2

**2006 MISSOURI TRAFFIC CRASHES
HOUR OF DAY**



Unknown Data Not Included

FIGURE 2.1.3

2006 MISSOURI TRAFFIC CRASHES

TYPE OF CIRCUMSTANCE INVOLVED BY CRASH SEVERITY¹

	FATAL CRASHES = 971	TOTAL CRASHES = 167,143
VEHICLE DEFECTS	2.3	2.8
TRAFFIC CONTROL INOPERATIVE / MISSING	0.1	0.2
IMPROPERLY STOPPED ON ROADWAY	0.3	0.5
EXCEEDING SPEED LIMIT / TOO FAST FOR CONDITIONS	40.9	15.9
IMPROPER PASSING	3.1	1.8
VIOLATION OF STOP SIGN	5.3	4.3
WRONG SIDE NOT PASSING	12.8	1.9
FOLLOWING TOO CLOSE	1.8	15.2
IMPROPER SIGNAL	0.2	0.2
IMPROPER BACKING	0.1	3.3
IMPROPER TURN	1.6	3.9
IMPROPER LANE USAGE / CHANGE	17.2	9.6
WRONG WAY ONE-WAY STREET	1.0	0.2
IMPROPER START FROM PARK	0.0	0.3
IMPROPERLY PARKED	0.1	0.4
FAILED TO YIELD	13.0	17.3
DRINKING	22.8	4.7
DRUGS	3.8	0.6
PHYSICAL IMPAIRMENT	4.1	1.8
INATTENTION	21.6	28.9

¹This table identifies the percentage of Missouri traffic crashes having a specific type of circumstance which contributed to the cause of the crash. For instance, when examining drinking involvement in 2006 Missouri fatal traffic crashes, it was found that in 22.8% of the crashes one or more drivers were drinking. In all traffic crashes, 4.7% had one or more drivers who were drinking.

TABLE 2.1.10

CAUSES OF DRIVER INATTENTION IN 2006 MISSOURI TRAFFIC CRASHES

TYPE OF INATTENTION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
CELL PHONE	13	6.5	522	4.4	1,136	3.3	1,671	3.6
AUDIO / VIDEO EQUIPMENT	2	1.0	222	1.9	500	1.4	724	1.5
COMPUTER EQUIPMENT	0	0.0	2	0.0	33	0.1	35	0.1
PASSENGER	8	4.0	392	3.3	777	2.2	1,177	2.5
TOBACCO USE	0	0.0	69	0.6	138	0.4	207	0.4
EATING / DRINKING	1	0.5	172	1.5	307	0.9	480	1.0
READING	0	0.0	40	0.3	92	0.3	132	0.3
GROOMING	0	0.0	19	0.2	44	0.1	63	0.1
OTHER	175	87.9	10,460	87.9	31,790	91.3	42,425	90.4
UNKNOWN	15	-	656	-	2,599	-	3,270	-
TOTAL	214	100.0	12,554	100.0	37,416	100.0	50,184	100.0

TABLE 2.1.11

DRIVERS IN 2006 MISSOURI TRAFFIC CRASHES

DRIVER INVOLVEMENT BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRIVERLESS	43	2.8	1,464	1.9	14,030	6.1	15,537	5.1
KNOWN DRIVER	1,465	96.3	72,543	95.7	199,259	87.0	273,267	89.2
UNKNOWN DRIVER	14	0.9	1,771	2.3	15,650	6.8	17,435	5.7
TOTAL	1,522	100.0	75,778	100.0	228,939	100.0	306,239	100.0

TABLE 2.1.12

DRIVERS IN 2006 MISSOURI TRAFFIC CRASHES

SEX OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MALE	1,052	71.9	39,980	55.1	110,639	56.5	151,671	56.2
FEMALE	412	28.1	32,556	44.9	85,170	43.5	118,138	43.8
UNKNOWN	15	-	1,778	-	19,100	-	20,893	-
TOTAL	1,479	100.0	74,314	100.0	214,909	100.0	290,702	100.0

TABLE 2.1.13

DRIVERS IN 2006 MISSOURI TRAFFIC CRASHES

AGE OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AVERAGE AGE OF DRIVER	39.8	-	37.7	-	38.1	-	38.0	-
14 YEARS AND UNDER	3	0.2	306	0.4	140	0.1	449	0.2
15 - 20 YEARS	224	15.3	12,893	17.9	33,403	17.1	46,520	17.3
21 - 25 YEARS	192	13.1	9,869	13.7	26,245	13.5	36,306	13.5
26 - 30 YEARS	161	11.0	7,467	10.4	20,356	10.4	27,984	10.4
31 - 35 YEARS	112	7.7	6,409	8.9	17,568	9.0	24,089	9.0
36 - 40 YEARS	128	8.8	6,043	8.4	16,776	8.6	22,947	8.6
41 - 45 YEARS	132	9.0	6,453	9.0	17,793	9.1	24,378	9.1
46 - 50 YEARS	112	7.7	5,867	8.2	16,661	8.6	22,640	8.4
51 - 55 YEARS	102	7.0	4,809	6.7	13,207	6.8	18,118	6.8
56 - 60 YEARS	89	6.1	3,779	5.3	10,647	5.5	14,515	5.4
61 - 65 YEARS	52	3.6	2,591	3.6	7,108	3.7	9,751	3.6
66 YEARS AND OVER	155	10.6	5,447	7.6	15,046	7.7	20,648	7.7
UNKNOWN	17	-	2,381	-	19,959	-	22,357	-
TOTAL	1,479	100.0	74,314	100.0	214,909	100.0	290,702	100.0

TABLE 2.1.14

DRIVERS IN 2006 MISSOURI TRAFFIC CRASHES
DRIVER'S LICENSE STATE AND TYPE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MISSOURI								
LEARNER'S PERMIT	10	0.7	357	0.5	812	0.4	1,179	0.5
OPERATOR'S LICENSE	949	65.8	56,747	80.5	150,177	80.0	207,873	80.1
MOTORCYCLE ONLY	1	0.1	9	0.0	7	0.0	17	0.0
COMMERCIAL DRIVER'S LICENSE	136	9.4	3,830	5.4	12,058	6.4	16,024	6.2
SUBTOTAL	1,096	76.0	60,943	86.5	163,054	86.9	225,093	86.7
OUTSTATE								
LEARNER'S PERMIT	1	0.1	15	0.0	30	0.0	46	0.0
OPERATOR'S LICENSE	153	10.6	5,775	8.2	16,331	8.7	22,259	8.6
MOTORCYCLE ONLY	0	0.0	0	0.0	2	0.0	2	0.0
COMMERCIAL DRIVER'S LICENSE	64	4.4	999	1.4	3,904	2.1	4,967	1.9
SUBTOTAL	218	15.1	6,789	9.6	20,267	10.8	27,274	10.5
UNLICENSED	128	8.9	2,751	3.9	4,366	2.3	7,245	2.8
UNKNOWN	37	-	3,831	-	27,222	-	31,090	-
TOTAL	1,479	100.0	74,314	100.0	214,909	100.0	290,702	100.0

TABLE 2.1.15

VEHICLES IN 2006 MISSOURI TRAFFIC CRASHES

TYPE OF VEHICLE DRIVEN BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AUTOMOBILE	679	44.7	41,908	55.5	125,018	55.7	167,605	55.6
SPORT UTILITY VEHICLE	187	12.3	10,587	14.0	31,392	14.0	42,166	14.0
LIMOUSINE	0	0.0	7	0.0	51	0.0	58	0.0
VAN	76	5.0	5,320	7.0	15,664	7.0	21,060	7.0
BUS	5	0.3	259	0.3	1,074	0.5	1,338	0.4
SCHOOL BUS	2	0.1	148	0.2	805	0.4	955	0.3
MOTORCYCLE	93	6.1	1,838	2.4	440	0.2	2,371	0.8
MOPED	0	0.0	50	0.1	30	0.0	80	0.0
BICYCLE	7	0.5	591	0.8	137	0.1	735	0.2
MOTOR HOME / CAMPER	1	0.1	30	0.0	153	0.1	184	0.1
FARMEQUIPMENT	3	0.2	49	0.1	128	0.1	180	0.1
CONSTRUCTION EQUIPMENT	1	0.1	44	0.1	189	0.1	234	0.1
OTHER TRANSPORT DEVICE	6	0.4	92	0.1	378	0.2	476	0.2
PICK-UP	298	19.6	11,937	15.8	37,854	16.9	50,089	16.6
OTHER TRUCK	147	9.7	2,499	3.3	11,063	4.9	13,709	4.6
ALL TERRAIN VEHICLE	13	0.9	166	0.2	32	0.0	211	0.1
UNKNOWN	4	-	253	-	4,531	-	4,788	-
TOTAL	1,522	100.0	75,778	100.0	228,939	100.0	306,239	100.0

TABLE 2.1.16

PERSONS KILLED AND INJURED IN 2006 MISSOURI TRAFFIC CRASHES

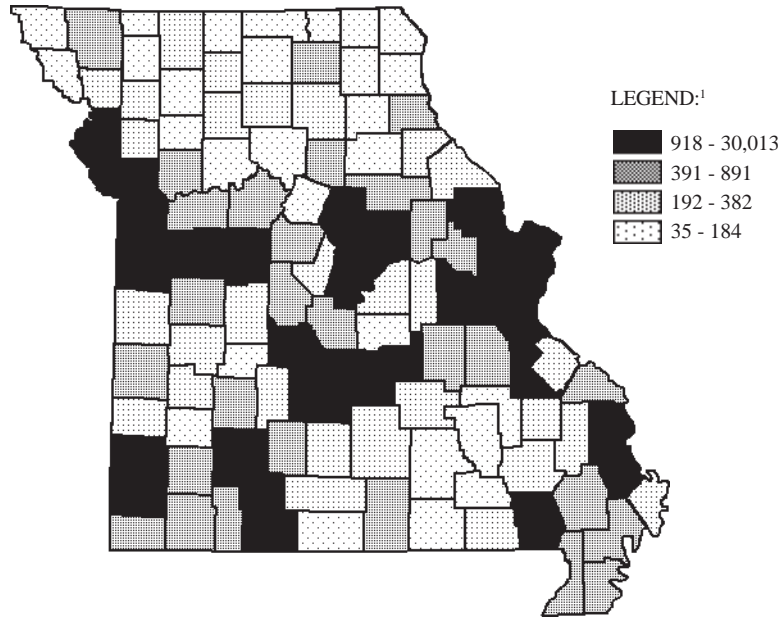
CRASH TYPE BY PERSONAL INJURY SEVERITY

	KILLED	%	INJURED	%	TOTAL	%
ANIMAL	4	0.4	523	0.8	527	0.8
BICYCLIST	7	0.6	600	1.0	607	1.0
FIXED OBJECT	419	38.2	13,328	21.5	13,747	21.8
OTHER OBJECT	6	0.6	249	0.4	255	0.4
PEDESTRIAN	74	6.8	1,274	2.1	1,348	2.1
TRAIN	4	0.4	24	0.0	28	0.0
VEHICLE IN TRANSPORT	418	38.1	41,832	67.4	42,250	66.9
VEHICLE ON OTHER ROADWAY	17	1.6	130	0.2	147	0.2
PARKED VEHICLE	15	1.4	863	1.4	878	1.4
NONCOLLISION OVERTURN	122	11.1	2,949	4.8	3,071	4.9
NONCOLLISION OTHER	10	0.9	306	0.5	316	0.5
TOTAL	1,096	100.0	62,078	100.0	63,174	100.0

TABLE 2.1.17

2006 MISSOURI TRAFFIC CRASHES

COUNTY QUARTILE ANALYSIS



¹LEGEND CATEGORIES ARE BASED ON QUARTILES OF COUNTIES.

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
1.0	ST. LOUIS	30,013	18.0	22.0	CAMDEN	1,142	0.7
2.0	JACKSON	24,388	14.6	23.0	JOHNSON	1,141	0.7
3.0	ST. LOUIS CITY	16,739	10.0	24.0	CHRISTIAN	1,062	0.6
4.0	GREENE	9,066	5.4	25.0	LACLEDE	1,042	0.6
5.0	ST. CHARLES	8,545	5.1	26.0	CALLAWAY	1,041	0.6
6.0	CLAY	5,617	3.4	27.0	SCOTT	1,001	0.6
7.0	JEFFERSON	5,316	3.2	28.0	PULASKI	958	0.6
8.0	BOONE	4,256	2.5	29.0	LINCOLN	918	0.5
9.0	JASPER	3,377	2.0				
10.0	FRANKLIN	3,024	1.8				First Quartile
11.0	CAPE GIRARDEAU	2,809	1.7				Second Quartile
12.0	BUCHANAN	2,727	1.6	30.0	HOWELL	891	0.5
13.0	PLATTE	2,372	1.4	31.0	MARION	885	0.5
14.0	COLE	1,847	1.1	32.0	LAFAYETTE	843	0.5
15.0	TANEY	1,814	1.1	33.0	BARRY	800	0.5
16.0	CASS	1,748	1.0	34.0	WARREN	762	0.5
17.0	PHELPS	1,647	1.0	35.0	LAWRENCE	760	0.5
18.0	ST. FRANCOIS	1,566	0.9	36.0	CRAWFORD	729	0.4
19.0	BUTLER	1,482	0.9	37.0	DUNKLIN	709	0.4
20.0	PETTIS	1,350	0.8	38.0	RANDOLPH	679	0.4
21.0	NEWTON	1,233	0.7	39.0	MILLER	599	0.4

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
40.0	POLK	595	0.4	78.0	HARRISON	222	0.1
41.0	SALINE	583	0.3	79.5	MADISON	219	0.1
42.0	WEBSTER	582	0.3	79.5	MISSISSIPPI	219	0.1
43.0	STODDARD	575	0.3	81.5	LINN	216	0.1
44.0	STONE	559	0.3	81.5	RALLS	216	0.1
45.0	PEMISCOT	535	0.3	83.0	DOUGLAS	211	0.1
46.0	COOPER	528	0.3	84.0	CEDAR	195	0.1
47.0	AUDRAIN	499	0.3	85.0	ST. CLAIR	194	0.1
48.5	HENRY	478	0.3	86.0	GRUNDY	193	0.1
48.5	MC DONALD	478	0.3	87.0	BOLLINGER	192	0.1
50.0	VERNON	476	0.3				
51.0	NEW MADRID	470	0.3				Third Quartile
52.5	ADAIR	466	0.3				
52.5	PERRY	466	0.3				Fourth Quartile
54.0	WASHINGTON	450	0.3	88.0	MARIES	184	0.1
55.0	MORGAN	411	0.2	89.0	OREGON	178	0.1
56.0	RAY	409	0.2	90.0	IRON	176	0.1
57.0	NODAWAY	407	0.2	91.0	OZARK	168	0.1
58.0	MONTGOMERY	391	0.2	92.0	HOWARD	159	0.1
			Second Quartile	93.0	LEWIS	151	0.1
				94.0	DAVISS	145	0.1
			Third Quartile	95.0	CARTER	142	0.1
59.0	BENTON	382	0.2	96.0	HOLT	139	0.1
60.0	TEXAS	373	0.2	97.0	MONROE	131	0.1
61.0	STE. GENEVIEVE	364	0.2	98.0	REYNOLDS	127	0.1
62.0	DENT	339	0.2	99.0	CALDWELL	126	0.1
63.0	GASCONADE	331	0.2	100.0	SHANNON	125	0.1
64.0	DALLAS	318	0.2	101.0	CHARITON	119	0.1
65.0	CLINTON	311	0.2	102.0	CARROLL	118	0.1
66.0	LIVINGSTON	310	0.2	103.0	HICKORY	110	0.1
67.0	MACON	294	0.2	104.0	SULLIVAN	101	0.1
68.0	BATES	286	0.2	105.0	ATCHISON	99	0.1
69.0	PIKE	283	0.2	106.5	CLARK	96	0.1
70.0	WRIGHT	281	0.2	106.5	GENTRY	96	0.1
71.0	MONITEAU	280	0.2	108.0	DADE	89	0.1
72.0	WAYNE	267	0.2	109.0	SHELBY	82	0.0
73.0	ANDREW	258	0.2	110.0	PUTNAM	81	0.0
74.0	OSAGE	244	0.1	111.0	SCOTLAND	71	0.0
75.0	RIPLEY	239	0.1	112.0	KNOX	51	0.0
76.0	DE KALB	230	0.1	113.0	SCHUYLER	49	0.0
77.0	BARTON	226	0.1	114.0	MERCER	46	0.0
				115.0	WORTH	35	0.0

TABLE 2.1.18

2006 MISSOURI TRAFFIC CRASHES

CITY LISTING

RANK	CITY	FREQUENCY	PERCENT ¹
1.0	KANSAS CITY	19,412	15.7
2.0	ST. LOUIS	16,739	13.6
3.0	SPRINGFIELD	7,566	6.1
4.0	INDEPENDENCE	3,612	2.9
5.0	COLUMBIA	3,462	2.8
6.0	ST. JOSEPH	2,488	2.0
7.0	JOPLIN	2,251	1.8
8.0	LEE'S SUMMIT	2,094	1.7
9.0	ST. CHARLES	2,024	1.6
10.0	CAPE GIRARDEAU	1,922	1.6
11.0	ST. PETERS	1,788	1.5
12.0	O'FALLON	1,718	1.4
13.0	FLORISSANT	1,639	1.3
14.0	JEFFERSON CITY	1,474	1.2
15.0	CHESTERFIELD	1,468	1.2
16.0	MARYLAND HEIGHTS	1,361	1.1
17.0	CREVE COEUR	1,336	1.1
18.0	BLUE SPRINGS	1,147	0.9
19.0	KIRKWOOD	1,072	0.9
20.0	SUNSET HILLS	1,018	0.8
21.0	POPLAR BLUFF	993	0.8
22.0	SEDALIA	950	0.8
23.0	BRIDGETON	906	0.7
24.0	TOWN AND COUNTRY	886	0.7
25.0	UNIVERSITY CITY	884	0.7
26.0	RICHMOND HEIGHTS	883	0.7
27.0	BRANSON	866	0.7
28.0	ROLLA	864	0.7
29.0	HAZELWOOD	836	0.7
30.0	ARNOLD	826	0.7
31.0	LIBERTY	786	0.6
32.0	OVERLAND	664	0.5
33.0	CLAYTON	652	0.5
34.0	BELTON	632	0.5
35.0	HANNIBAL	602	0.5
36.0	GLADSTONE	597	0.5
37.0	WENTZVILLE	584	0.5
38.0	WEBSTER GROVES	582	0.5
39.0	BERKELEY	567	0.5
40.0	RAYTOWN	559	0.5

¹Percentage is based on traffic 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 2.1.19

**MISSOURI FATAL CRASHES
ANNUAL TIME SERIES**

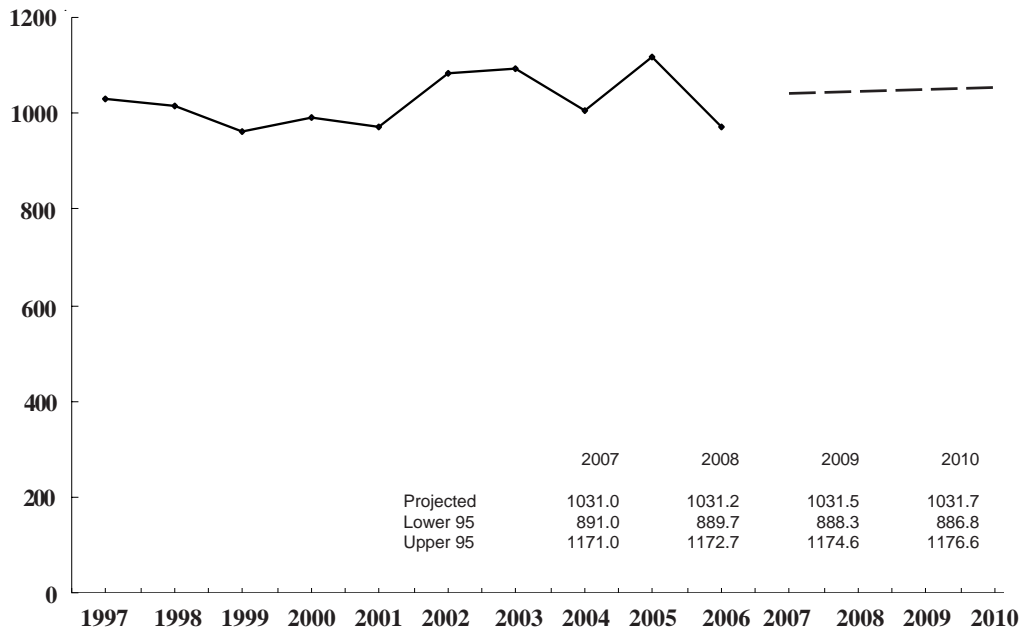


FIGURE 2.1.4

**MISSOURI FATAL AND PERSONAL INJURY CRASHES
ANNUAL TIME SERIES**

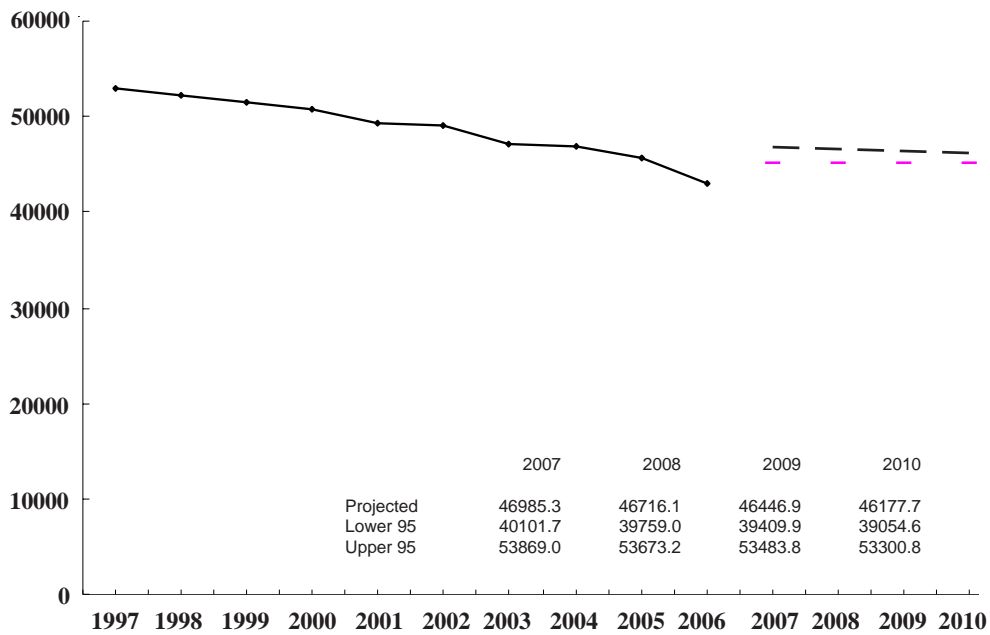


FIGURE 2.1.5

3.0 MISSOURI DETAIL TRAFFIC SAFETY PROBLEM ANALYSIS

A SERIES OF TABLES AND FIGURES SUMMARIZES MISSOURI'S TRAFFIC CRASH EXPERIENCE AS IT RELATES TO SPECIFIC TYPES OF CAUSATIVE FACTORS OR CHARACTERISTICS WHICH AFFECT THE FREQUENCY OF OCCURRENCE OR THE SEVERITY OF THE CRASH. DETAIL ANALYSIS IS PROVIDED FOR THE FOLLOWING SPECIFIC TYPES :

- *SPEED INVOLVEMENT*
- *DRINKING INVOLVEMENT*
- *YOUNG DRIVER INVOLVEMENT*
- *OLDER DRIVER INVOLVEMENT*
- *COMMERCIAL MOTOR VEHICLE INVOLVEMENT*
- *MOTORCYCLE INVOLVEMENT*
- *SCHOOL BUS INVOLVEMENT*
- *BICYCLE INVOLVEMENT*
- *PEDESTRIAN INVOLVEMENT*
- *FIXED OBJECT INVOLVEMENT*
- *HAZARDOUS MATERIAL INVOLVEMENT*
- *CONSTRUCTION / OTHER WORK ZONE INVOLVEMENT*
- *SEAT BELT USAGE*

3.1 SPEED INVOLVEMENT

This section presents a series of data displays which identify speed involvement in Missouri's traffic crash experience. Speed-involved traffic crashes are defined as any crash in which one or more drivers of motorized vehicles were exceeding the speed limit or driving too fast for conditions and, in the opinion of the investigating law enforcement officer, the driver error contributed to the cause of the crash. Data displays also are presented which identify characteristics of the speeding driver in these traffic crashes.

2006 SUMMARY ANALYSIS

- Of all 2006 Missouri traffic crashes, 16.3% were speed related. Of all fatal traffic crashes, 41.2% were speed related. A total of 454 persons were killed and 13,919 were injured in speed-related traffic crashes.
- There was a decrease of 10.6% in the rate of change when comparing total 2006 speed-related crashes with those in 2005. There was a decrease of 12.2% when comparing 2006 fatal speed-related traffic crashes with 2005.
- In 2006, one person was killed or injured in a speed-related traffic crash every 36.6 minutes in the State of Missouri.
- Of all 2006 speed-related traffic crashes, the first harmful event in 39.6% of the incidents involved one motor vehicle in transport striking another motor vehicle in transport. In 47.1% of the cases, the first harmful event involved a motor vehicle striking a fixed object. Of all fatal speed-related traffic crashes, 54.3% involved a motor vehicle striking a fixed object.
- Of all 2006 speed-related traffic crashes, 51.0% occurred in urban areas of the State and 49.0% occurred in rural areas. However, 71.5% of the fatal speed-related traffic crashes occurred in a rural area.
- Of the speeding drivers in traffic crashes, 65.0% were male and 35.0% were female. The average age of speeding drivers was 30.7 years.
- Of the speeding drivers, 83.0% had a Missouri driver's license, 10.0% had an out-of-state driver's license, and 7.0% were unlicensed at the time of the traffic crash.
- Of the speeding drivers, 57.2% were driving an automobile and 19.0% were driving a pickup truck at the time of the crash.
- Of the speeding drivers in fatal traffic crashes, 31.0% had been drinking or had taken drugs which also contributed to the cause of the fatal traffic crash.

2006 MISSOURI TRAFFIC CRASHES

SPEED INVOLVEMENT

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	TOTAL NUMBER¹ KILLED	INJURED	SPEEDING DRIVERS² KILLED	INJURED
SPEED INVOLVED	396	41.2	9,232	22.2	16,841	14.0	26,469	16.3	454	13,919	280	6,905
NO SPEED INVOLVED	565	58.8	32,377	77.8	103,428	86.0	136,370	83.7	631	47,370	-	-
UNKNOWN ³	10	-	529	-	3,765	-	4,304	-	11	789	-	-
TOTAL	971	100.0	42,138	100.0	124,034	100.0	167,143	100.0	1,096	62,078	280	6,905

¹This statistic indicates the total number of persons killed and injured in a crash where one or more drivers of motorized vehicles were speeding.

²This statistic indicates the number of speeding drivers killed and injured in motorized vehicles.

³Crashes were classified as unknown if there was no indication that speed was involved and the contributing circumstances of one or more drivers were not known.

TABLE 3.1.1

2005 and 2006 SPEED-INVOLVED CRASH ANALYSIS

	2005	2006	RATE OF CHANGE
FATAL	451	396	- 12.2
PERSONAL INJURY	10,128	9,232	- 8.8
PROPERTY DAMAGE	19,016	16,841	- 11.4
TOTAL	29,595	26,469	- 10.6

TABLE 3.1.2

2006 SPEED-INVOLVED CRASHES

CRASH TYPE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
ANIMAL	0	0.0	15	0.2	27	0.2	42	0.2
BICYCLIST	1	0.3	23	0.3	0	0.0	24	0.1
FIXED OBJECT	215	54.3	4,557	49.4	7,696	45.7	12,468	47.1
OTHER OBJECT	2	0.5	47	0.5	129	0.8	178	0.7
PEDESTRIAN	5	1.3	63	0.7	3	0.0	71	0.3
TRAIN	0	0.0	1	0.0	3	0.0	4	0.0
VEHICLE IN TRANSPORT	100	25.3	3,261	35.3	7,108	42.2	10,469	39.6
VEHICLE ON OTHER ROADWAY	2	0.5	17	0.2	33	0.2	52	0.2
PARKED VEHICLE	6	1.5	170	1.8	1,054	6.3	1,230	4.7
NONCOLLISION OVERTURN	65	16.4	1,015	11.0	647	3.8	1,727	6.5
NONCOLLISION OTHER	0	0.0	63	0.7	141	0.8	204	0.8
TOTAL	396	100.0	9,232	100.0	16,841	100.0	26,469	100.0

TABLE 3.1.3

2006 SPEED-INVOLVED CRASHES

AREA CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
URBAN	113	28.5	4,050	43.9	9,334	55.4	13,497	51.0
RURAL	283	71.5	5,182	56.1	7,507	44.6	12,972	49.0
TOTAL	396	100.0	9,232	100.0	16,841	100.0	26,469	100.0

TABLE 3.1.4

2006 SPEED-INVOLVED CRASHES

ROAD CURVATURE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
STRAIGHT	196	49.5	5,594	60.9	11,589	70.2	17,379	66.6
CURVE	200	50.5	3,599	39.1	4,919	29.8	8,718	33.4
UNKNOWN	0	-	39	-	333	-	372	-
TOTAL	396	100.0	9,232	100.0	16,841	100.0	26,469	100.0

TABLE 3.1.5

2006 SPEED-INVOLVED CRASHES

ROAD INCLINE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
LEVEL	153	38.7	4,882	53.3	9,853	60.1	14,888	57.4
HILL	221	56.0	3,941	43.1	6,034	36.8	10,196	39.3
CREST	21	5.3	328	3.6	509	3.1	858	3.3
UNKNOWN	1	-	81	-	445	-	527	-
TOTAL	396	100.0	9,232	100.0	16,841	100.0	26,469	100.0

TABLE 3.1.6

2006 SPEED-INVOLVED CRASHES

ROAD CONDITIONS BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRY	325	82.5	5,811	63.3	8,030	48.0	14,166	53.9
WET	58	14.7	2,840	30.9	6,888	41.2	9,786	37.2
SNOW	5	1.3	250	2.7	920	5.5	1,175	4.5
ICE	6	1.5	223	2.4	736	4.4	965	3.7
SLUSH	0	0.0	40	0.4	94	0.6	134	0.5
MUD	0	0.0	6	0.1	7	0.0	13	0.1
STANDING WATER	0	0.0	8	0.1	33	0.2	41	0.2
MOVING WATER	0	0.0	6	0.1	10	0.1	16	0.1
UNKNOWN	2	-	48	-	123	-	173	-
TOTAL	396	100.0	9,232	100.0	16,841	100.0	26,469	100.0

TABLE 3.1.7

2006 SPEED-INVOLVED CRASHES

HIGHWAY CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	41	10.4	1,293	14.0	2,932	17.4	4,266	16.1
U.S. HIGHWAY	42	10.6	795	8.6	1,398	8.3	2,235	8.4
STATE NUMBERED	77	19.4	1,492	16.2	2,138	12.7	3,707	14.0
SINGLE STATE LETTERED	67	16.9	1,007	10.9	1,043	6.2	2,117	8.0
DOUBLE STATE LETTERED	27	6.8	412	4.5	478	2.8	917	3.5
OUTER ROAD	3	0.8	71	0.8	107	0.6	181	0.7
COUNTY ROAD	69	17.4	1,644	17.8	2,362	14.0	4,075	15.4
CITY STREET	68	17.2	2,318	25.1	5,947	35.3	8,333	31.5
INTERSTATE LOOP	0	0.0	17	0.2	29	0.2	46	0.2
OTHER ¹	2	0.5	183	2.0	407	2.4	592	2.2
TOTAL	396	100.0	9,232	100.0	16,841	100.0	26,469	100.0

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

TABLE 3.1.8

2006 SPEED-INVOLVED CRASHES

HIGHWAY CLASSIFICATION BY AREA CLASSIFICATION AND CRASH SEVERITY

	URBAN						RURAL									
	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	17	15.0	837	20.7	1,682	18.0	2,536	18.8	24	8.5	456	8.8	1,250	16.7	1,730	13.3
U.S. HIGHWAY	11	9.7	294	7.3	629	6.7	934	6.9	31	11.0	501	9.7	769	10.2	1,301	10.0
STATE NUMBERED	12	10.6	389	9.6	764	8.2	1,165	8.6	65	23.0	1,103	21.3	1,374	18.3	2,542	19.6
SINGLE STATE LETTERED	4	3.5	68	1.7	137	1.5	209	1.6	63	22.3	939	18.1	906	12.1	1,908	14.7
DOUBLE STATE LETTERED	3	2.7	41	1.0	92	1.0	136	1.0	24	8.5	371	7.2	386	5.1	781	6.0
OUTER ROAD	2	1.8	42	1.0	66	0.7	110	0.8	1	0.4	29	0.6	41	0.6	71	0.6
COUNTY ROAD	1	0.9	147	3.6	267	2.9	415	3.1	68	24.0	1,497	28.9	2,095	27.9	3,660	28.2
CITY STREET	62	54.9	2,105	52.0	5,382	57.7	7,549	55.9	6	2.1	213	4.1	565	7.5	784	6.0
INTERSTATE LOOP	0	0.0	12	0.3	24	0.3	36	0.3	0	0.0	5	0.1	5	0.1	10	0.1
OTHER ¹	1	0.9	115	2.8	291	3.1	407	3.0	1	0.4	68	1.3	116	1.6	185	1.4
TOTAL	113	100.0	4,050	100.0	9,334	100.0	13,497	100.0	283	100.0	5,182	100.0	7,507	100.0	12,972	100.0

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

TABLE 3.1.9

**2006 MISSOURI SPEED-INVOLVED CRASHES
MONTH OF YEAR**

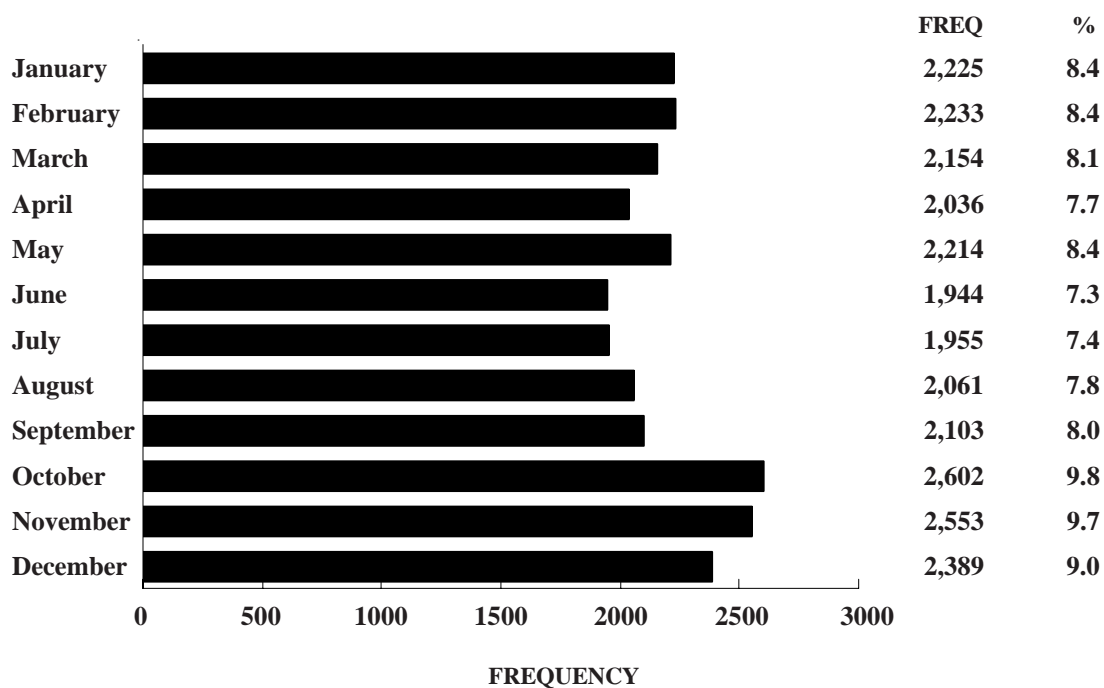
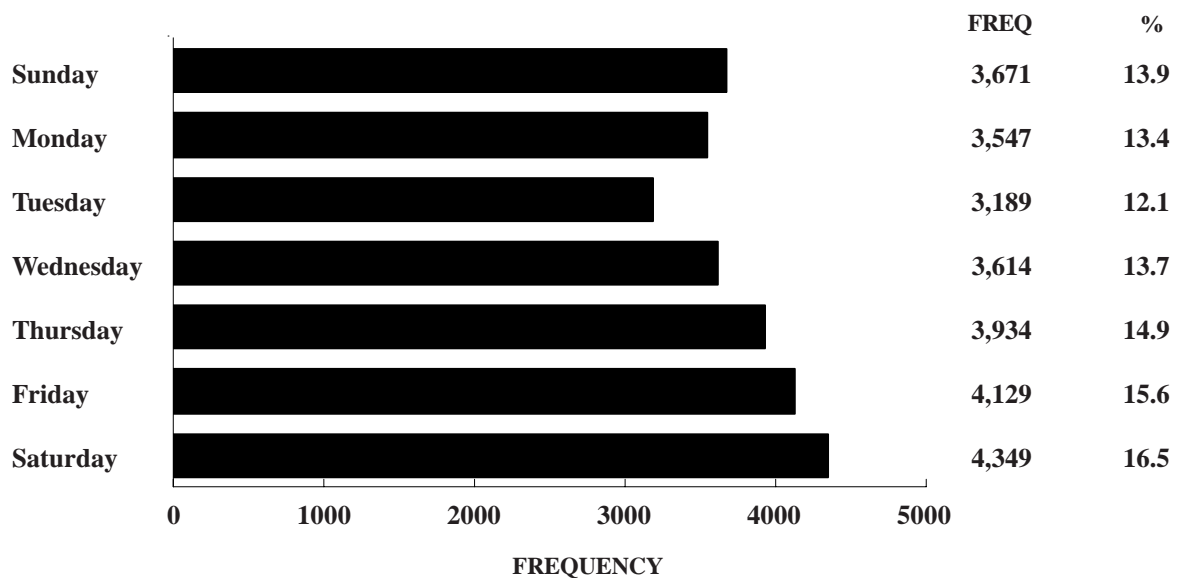


FIGURE 3.1.1

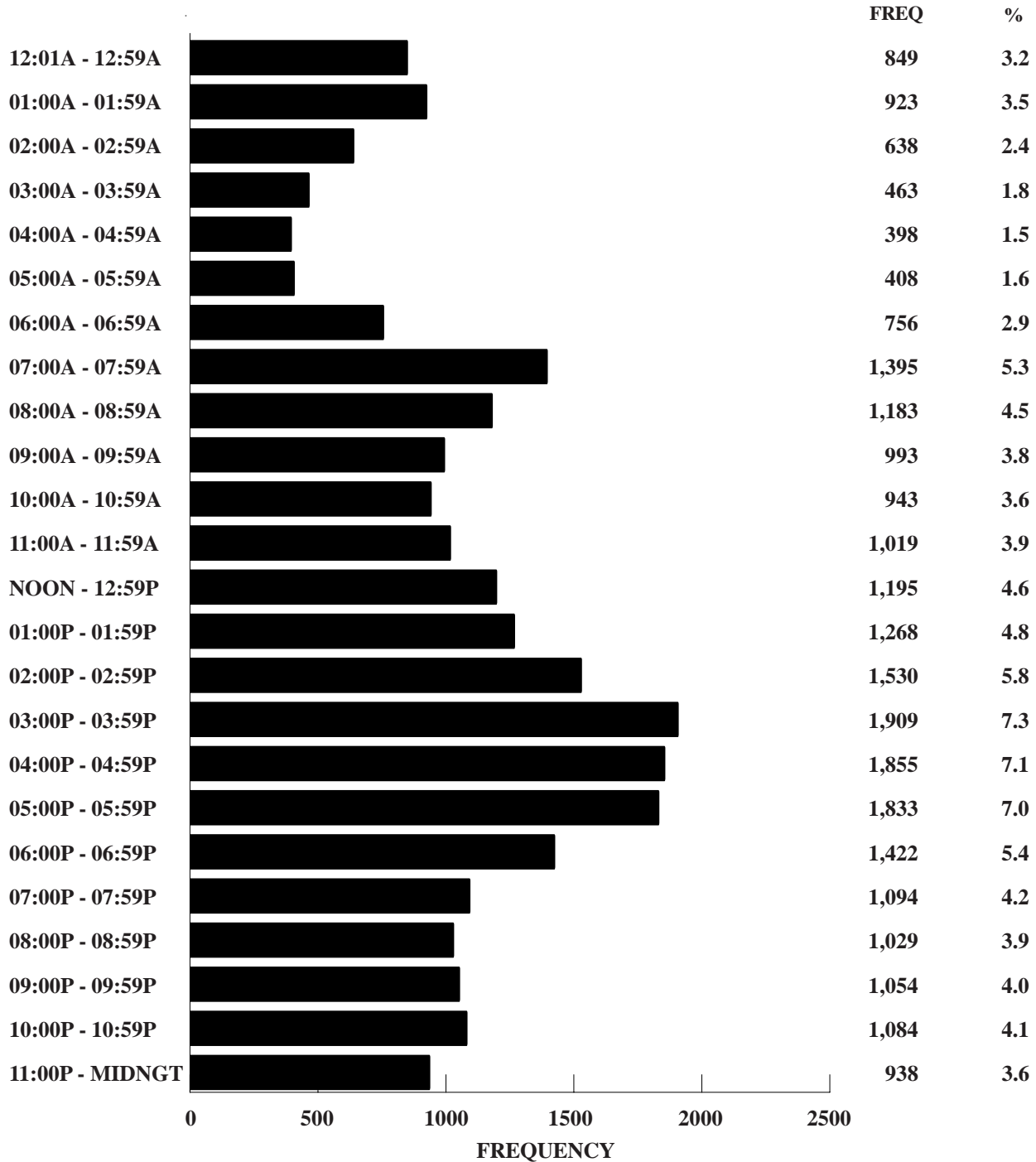
**2006 MISSOURI SPEED-INVOLVED CRASHES
DAY OF WEEK**



Unknown Data Not Included

FIGURE 3.1.2

**2006 MISSOURI SPEED-INVOLVED CRASHES
HOUR OF DAY**



Unknown Data Not Included

FIGURE 3.1.3

DRIVERS OF MOTORIZED VEHICLES SPEEDING IN 2006 MISSOURI CRASHES

TYPE OF SPEEDING VIOLATION

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
EXCEEDING SPEED LIMIT	146	36.5	1,525	16.3	2,258	13.2	3,929	14.6
TOO FAST FOR CONDITIONS	232	58.0	7,485	79.8	14,314	83.6	22,031	81.9
EXCEEDING SPEED LIMIT AND TOO FAST FOR CONDITIONS	22	5.5	369	3.9	540	3.2	931	3.5
TOTAL	400	100.0	9,379	100.0	17,112	100.0	26,891	100.0

TABLE 3.1.10

DRIVERS OF MOTORIZED VEHICLES SPEEDING IN 2006 MISSOURI CRASHES

SEX OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MALE	323	81.8	5,822	64.6	9,404	64.8	15,549	65.0
FEMALE	72	18.2	3,187	35.4	5,120	35.2	8,379	35.0
UNKNOWN	5	-	370	-	2,588	-	2,963	-
TOTAL	400	100.0	9,379	100.0	17,112	100.0	26,891	100.0

TABLE 3.1.11

DRIVERS OF MOTORIZED VEHICLES SPEEDING IN 2006 MISSOURI CRASHES

AGE OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AVERAGE AGE OF DRIVER	32.4	-	30.8	-	30.5	-	30.7	-
14 YEARS AND UNDER	0	0.0	47	0.5	31	0.2	78	0.3
15 - 20 YEARS	99	25.1	2,796	31.3	4,642	32.5	7,537	31.9
21 - 25 YEARS	74	18.8	1,613	18.1	2,625	18.4	4,312	18.3
26 - 30 YEARS	39	9.9	979	11.0	1,572	11.0	2,590	11.0
31 - 35 YEARS	34	8.6	744	8.3	1,145	8.0	1,923	8.1
36 - 40 YEARS	41	10.4	577	6.5	985	6.9	1,603	6.8
41 - 45 YEARS	29	7.4	656	7.4	880	6.2	1,565	6.6
46 - 50 YEARS	23	5.8	482	5.4	826	5.8	1,331	5.6
51 - 55 YEARS	25	6.4	359	4.0	552	3.9	936	4.0
56 - 60 YEARS	10	2.5	239	2.7	380	2.7	629	2.7
61 - 65 YEARS	10	2.5	149	1.7	249	1.7	408	1.7
66 YEARS AND OVER	10	2.5	285	3.2	414	2.9	709	3.0
UNKNOWN	6	-	453	-	2,811	-	3,270	-
TOTAL	400	100.0	9,379	100.0	17,112	100.0	26,891	100.0

TABLE 3.1.12

DRIVERS OF MOTORIZED VEHICLES SPEEDING IN 2006 MISSOURI CRASHES

DRIVER'S LICENSE STATE AND TYPE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MISSOURI								
LEARNER'S PERMIT	5	1.3	72	0.8	100	0.7	177	0.8
OPERATOR'S LICENSE	264	67.7	6,786	77.2	10,939	79.1	17,989	78.2
MOTORCYCLE ONLY	0	0.0	2	0.0	0	0.0	2	0.0
COMMERCIAL DRIVER'S LICENSE	27	6.9	382	4.3	525	3.8	934	4.1
SUBTOTAL	296	75.9	7,242	82.3	11,564	83.6	19,102	83.0
OUT STATE								
LEARNER'S PERMIT	1	0.3	4	0.1	3	0.0	8	0.0
OPERATOR'S LICENSE	26	6.7	701	8.0	1,253	9.1	1,980	8.6
MOTORCYCLE ONLY	0	0.0	0	0.0	0	0.0	0	0.0
COMMERCIAL DRIVER'S LICENSE	7	1.8	108	1.2	195	1.4	310	1.4
SUBTOTAL	34	8.7	813	9.2	1,451	10.5	2,298	10.0
UNLICENSED	60	15.4	740	8.4	819	5.9	1,619	7.0
UNKNOWN	10	-	584	-	3,278	-	3,872	-
TOTAL	400	100.0	9,379	100.0	17,112	100.0	26,891	100.0

TABLE 3.1.13

DRIVERS OF MOTORIZED VEHICLES SPEEDING IN 2006 MISSOURI CRASHES

TYPE OF VEHICLE DRIVEN BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AUTOMOBILE	191	47.8	5,020	53.6	9,982	59.4	15,193	57.2
SPORT UTILITY VEHICLE	59	14.8	1,403	15.0	2,277	13.6	3,739	14.1
LIMOUSINE	0	0.0	0	0.0	6	0.0	6	0.0
VAN	9	2.3	392	4.2	746	4.4	1,147	4.3
BUS	0	0.0	10	0.1	14	0.1	24	0.1
SCHOOL BUS	0	0.0	3	0.0	12	0.1	15	0.1
MOTORCYCLE	44	11.0	492	5.3	46	0.3	582	2.2
MOPED	0	0.0	4	0.0	1	0.0	5	0.0
MOTOR HOME / CAMPER	0	0.0	3	0.0	7	0.0	10	0.0
FARM EQUIPMENT	0	0.0	0	0.0	4	0.0	4	0.0
CONSTRUCTION EQUIPMENT	0	0.0	1	0.0	3	0.0	4	0.0
OTHER TRANSPORT DEVICE	0	0.0	9	0.1	4	0.0	13	0.1
PICKUP TRUCK	76	19.0	1,704	18.2	3,270	19.5	5,050	19.0
OTHER TRUCKS	14	3.5	248	2.7	427	2.5	689	2.6
ALL TERRAIN VEHICLE	7	1.8	71	0.8	8	0.1	86	0.3
UNKNOWN	0	-	19	-	305	-	324	-
TOTAL	400	100.0	9,379	100.0	17,112	100.0	26,891	100.0

TABLE 3.1.14

DRIVERS OF MOTORIZED VEHICLES SPEEDING IN 2006 MISSOURI CRASHES

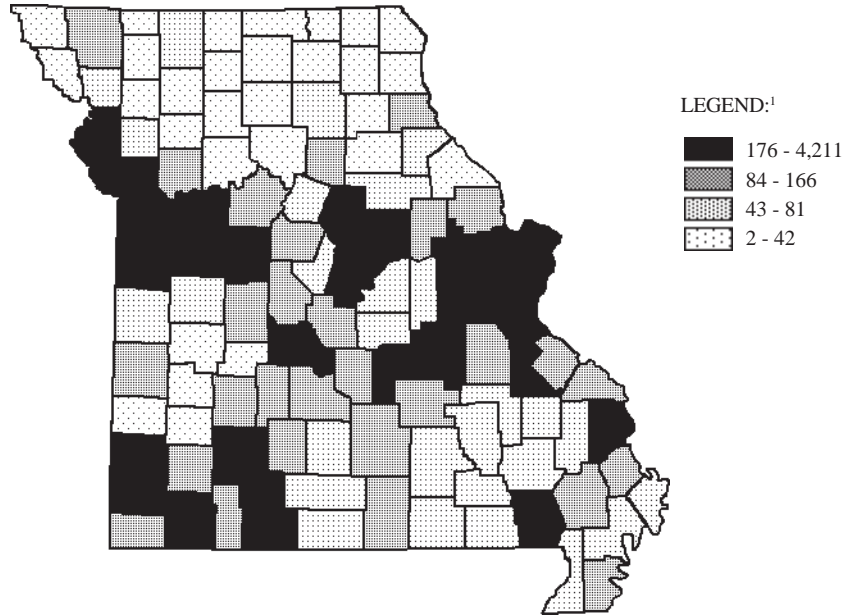
DRIVER INTOXICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRINKING	107	26.8	1,207	12.9	976	5.7	2,290	8.5
USING DRUGS	5	1.2	61	0.7	48	0.3	114	0.4
DRINKING AND USING DRUGS	12	3.0	65	0.7	57	0.3	134	0.5
NOT DRINKING OR USING DRUGS / USE UNKNOWN	276	69.0	8,046	85.8	16,031	93.7	24,353	90.6
TOTAL	400	100.0	9,379	100.0	17,112	100.0	26,891	100.0

TABLE 3.1.15

2006 SPEED-INVOLVED CRASHES

COUNTY QUARTILE ANALYSIS



¹LEGEND CATEGORIES ARE BASED ON QUARTILES OF COUNTIES.

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
1.0	ST. LOUIS	4,211	15.9	22.0	COLE	199	0.8
2.0	JACKSON	3,621	13.7	23.0	JOHNSON	198	0.7
3.0	ST. LOUIS CITY	2,193	8.3	24.0	WARREN	196	0.7
4.0	ST. CHARLES	1,283	4.8	25.0	CALLAWAY	191	0.7
5.0	JEFFERSON	1,073	4.1	26.0	BUTLER	182	0.7
6.0	GREENE	1,002	3.8	27.0	CAMDEN	179	0.7
7.0	CLAY	806	3.0	28.0	CRAWFORD	177	0.7
8.0	FRANKLIN	761	2.9	29.0	PETTIS	176	0.7
9.0	BOONE	412	1.6				
10.0	PLATTE	408	1.5				First Quartile
11.0	JASPER	403	1.5				
12.0	TANEY	398	1.5	30.0	LINCOLN	166	Second Quartile
13.0	CAPE GIRARDEAU	302	1.1	31.5	PULASKI	161	0.6
14.0	PHELPS	298	1.1	31.5	SCOTT	161	0.6
15.0	LAFAYETTE	290	1.1	33.0	MC DONALD	159	0.6
16.0	CASS	288	1.1	34.5	MILLER	156	0.6
17.0	NEWTON	267	1.0	34.5	STONE	156	0.6
18.0	BUCHANAN	266	1.0	36.0	HOWELL	151	0.6
19.0	ST. FRANCOIS	264	1.0	37.0	WEBSTER	146	0.6
20.0	CHRISTIAN	237	0.9	38.0	POLK	142	0.5
21.0	BARRY	219	0.8	39.0	LAWRENCE	136	0.5

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
40.0	MONTGOMERY	133	0.5	77.0	MACON	54	0.2
41.0	LACLEDE	128	0.5	79.5	HENRY	53	0.2
42.0	MORGAN	126	0.5	79.5	MADISON	53	0.2
43.0	WASHINGTON	122	0.5	81.0	SHANNON	51	0.2
44.0	RAY	115	0.4	82.5	BOLLINGER	50	0.2
45.0	PEMISCOT	113	0.4	82.5	DOUGLAS	50	0.2
46.0	BENTON	112	0.4	84.0	MISSISSIPPI	45	0.2
47.0	COOPER	109	0.4	85.5	MARIES	43	0.2
48.0	MARION	104	0.4	85.5	OZARK	43	0.2
49.5	NODAWAY	99	0.4				
49.5	STODDARD	99	0.4				Third Quartile
51.0	RANDOLPH	94	0.4				
52.0	STE. GENEVIEVE	92	0.3				Fourth Quartile
53.0	PERRY	90	0.3	87.5	DAVISS	42	0.2
54.5	SALINE	88	0.3	87.5	HICKORY	42	0.2
54.5	TEXAS	88	0.3	89.0	LIVINGSTON	40	0.2
56.5	DALLAS	85	0.3	90.5	CEDAR	39	0.1
56.5	VERNON	85	0.3	90.5	GRUNDY	39	0.1
58.0	DENT	84	0.3	93.0	LINN	38	0.1
			Second Quartile	93.0	PIKE	38	0.1
				93.0	ST. CLAIR	38	0.1
				95.5	DE KALB	37	0.1
				95.5	LEWIS	37	0.1
			Third Quartile	97.5	ADAIR	36	0.1
59.0	DUNKLIN	81	0.3	97.5	CALDWELL	36	0.1
60.0	MONITEAU	79	0.3	100.0	ATCHISON	34	0.1
61.0	AUDRAIN	75	0.3	100.0	BARTON	34	0.1
62.0	BATES	74	0.3	100.0	HOLT	34	0.1
63.0	GASCONADE	73	0.3	102.0	SULLIVAN	30	0.1
64.5	CLINTON	70	0.3	103.0	MONROE	25	0.1
64.5	WRIGHT	70	0.3	104.0	CARROLL	24	0.1
66.0	NEW MADRID	66	0.2	105.0	PUTNAM	21	0.1
67.0	OREGON	64	0.2	107.5	CHARITON	16	0.1
68.5	ANDREW	62	0.2	107.5	CLARK	16	0.1
68.5	IRON	62	0.2	107.5	DADE	16	0.1
71.0	OSAGE	61	0.2	107.5	SCOTLAND	16	0.1
71.0	REYNOLDS	61	0.2	111.0	GENTRY	15	0.1
71.0	RIPLEY	61	0.2	111.0	KNOX	15	0.1
73.0	WAYNE	58	0.2	111.0	SHELBY	15	0.1
74.0	RALLS	57	0.2	113.0	MERCER	11	0.0
75.0	HARRISON	55	0.2	114.0	SCHUYLER	4	0.0
77.0	CARTER	54	0.2	115.0	WORTH	2	0.0
77.0	HOWARD	54	0.2				

TABLE 3.1.16

2006 SPEED-INVOLVED CRASHES

CITY LISTING

RANK	CITY	FREQUENCY	PERCENT ¹
1.0	KANSAS CITY	3,053	20.4
2.0	ST. LOUIS	2,193	14.7
3.0	SPRINGFIELD	646	4.3
4.0	INDEPENDENCE	451	3.0
5.0	ST. CHARLES	269	1.8
6.0	COLUMBIA	243	1.6
7.0	LEE'S SUMMIT	242	1.6
8.0	O'FALLON	229	1.5
9.0	MARYLAND HEIGHTS	224	1.5
10.0	CHESTERFIELD	215	1.4
11.0	ST. JOSEPH	213	1.4
12.0	FLORISSANT	202	1.4
13.0	ST. PETERS	184	1.2
14.0	JOPLIN	181	1.2
15.0	BERKELEY	160	1.1
16.0	SUNSET HILLS	151	1.0
17.0	RICHMOND HEIGHTS	150	1.0
18.0	BLUE SPRINGS	148	1.0
19.5	BALLWIN	141	0.9
19.5	HAZELWOOD	141	0.9
21.0	CAPE GIRARDEAU	131	0.9
22.0	BRIDGETON	130	0.9
23.0	TOWN AND COUNTRY	127	0.8
24.0	OVERLAND	114	0.8
25.0	CREVE COEUR	113	0.8
26.0	KIRKWOOD	108	0.7
27.0	WILDWOOD	104	0.7
28.0	ARNOLD	98	0.7
29.0	WENTZVILLE	97	0.6
30.0	JEFFERSON CITY	96	0.6
31.0	LIBERTY	93	0.6
32.0	SEDALIA	91	0.6
33.0	BRANSON	89	0.6
34.5	BELTON	79	0.5
34.5	WEBSTER GROVES	79	0.5
36.0	UNIVERSITY CITY	77	0.5
37.5	GRANDVIEW	68	0.5
37.5	POPLAR BLUFF	68	0.5

¹Percentage is based on speed-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 3.1.17

**MISSOURI FATAL AND PERSONAL INJURY SPEED-INVOLVED CRASHES
ANNUAL TIME SERIES**

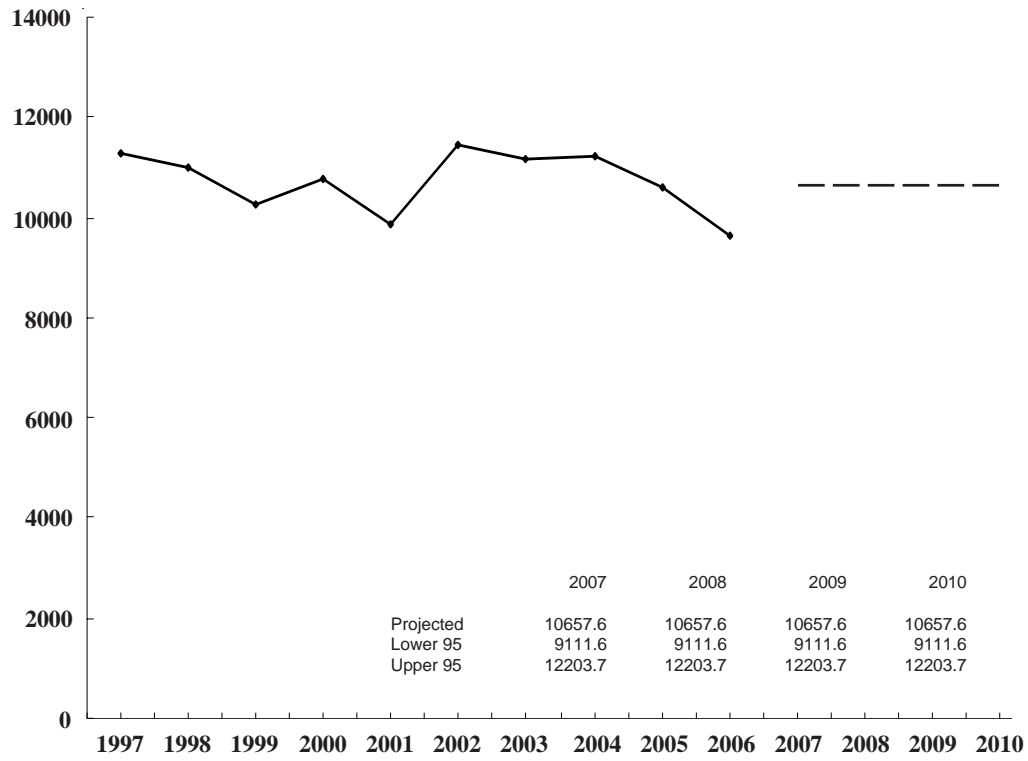


FIGURE 3.1.4

3.2 DRINKING INVOLVEMENT

This section presents a series of data displays which identify drinking involvement in Missouri's traffic crash experience. Drinking-involved traffic crashes are defined as any crash in which one or more drivers or pedestrians were drinking and, in the opinion of the investigating officer, their intoxicated condition contributed to the cause of the crash. Data displays also are presented which identify characteristics of the drinking driver or pedestrian in these traffic crashes.

There are strong indications that investigating officers under-report drinking involvement as a contributing factor in traffic crashes. Under-reporting exists for a number of reasons. First, symptoms of drinking may be masked from the investigating officer. The person's physical instability may be attributed to the shock of being in a crash or resulting physical injuries rather than to intoxication. Second, the investigating officer may not have an opportunity to observe or interview the person for an extended time period in cases where they require immediate medical attention and are transported from the scene. Finally, in cases where the investigating officer does determine a person has been drinking, there may not be enough evidence to indicate that their intoxicated condition contributed to the cause of the traffic crash. As a result, the apparent problem of under-reporting should be taken into consideration when evaluating data presented in this section.

2006 SUMMARY ANALYSIS

- Of all 2006 Missouri traffic crashes, 4.9% were drinking related. Of all fatal traffic crashes, 25.1% were drinking related. A total of 270 persons were killed and 5,157 were injured in drinking-related traffic crashes.
- There was an increase of 0.7% in the rate of change when comparing total 2006 drinking-related traffic crashes with those in 2005. However, there was a decrease of 5.1% when comparing 2006 fatal drinking-related traffic crashes with 2005.
- In 2006, one person was killed or injured in drinking-related traffic crashes every 1.6 hours in the State of Missouri.
- Of all drinking-related traffic crashes, 60.3% occurred on Friday, Saturday, or Sunday and 64.9% occurred between 7:00 P.M. and 2:59 A.M.
- Of the persons drinking in 2006 traffic crashes, 98.4% were driving a motorized vehicle, 0.2% were driving a non-motorized vehicle, and 1.4% were pedestrians.
- Of the drinking drivers of motorized vehicles, 78.0% were male and 22.0% were female. The average age of drinking drivers of motorized vehicles was 33.1 years.
- Of the drinking drivers of non-motorized vehicles, 85.7% were male and 14.3% were female. The average age of drinking drivers of non-motorized vehicles was 37.6 years.
- Of the drinking pedestrians, 81.6% were male and 18.4% were female. The average age of drinking pedestrians was 37.7 years.
- Of the drinking drivers of motorized and non-motorized vehicles in 2006 crashes, 51.7% were driving an automobile, 27.1% were driving a pickup truck, and 14.2% were driving a sport utility vehicle at the time of the crash.

2006 MISSOURI TRAFFIC CRASHES

DRINKING INVOLVEMENT

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	TOTAL NUMBER¹ KILLED	INJURED	DRINKING DRIVERS / PEDESTRIANS² KILLED	INJURED
DRINKING INVOLVED	240	25.1	3,524	8.5	4,183	3.5	7,947	4.9	270	5,157	156	2,923
NO DRINKING INVOLVED	717	74.9	37,763	91.5	115,987	96.5	154,467	95.1	811	55,766	-	-
UNKNOWN ³	14	-	851	-	3,864	-	4,729	-	15	1,155	-	-
TOTAL	971	100.0	42,138	100.0	124,034	100.0	167,143	100.0	1,096	62,078	156	2,923

¹This statistic indicates the total number of persons killed and injured in a crash where one or more drivers or pedestrians were drinking.

²This statistic indicates the number of drinking drivers or pedestrians killed and injured.

³Crashes were classified as unknown if there was no indication that drinking was involved and the contributing circumstances of one or more drivers or pedestrians were not known.

TABLE 3.2.1

2005 and 2006 DRINKING-INVOLVED CRASH ANALYSIS

	2005	2006	RATE OF CHANGE
FATAL	253	240	- 5.1
PERSONAL INJURY	3,542	3,524	- 0.5
PROPERTY DAMAGE	4,094	4,183	+ 2.2
TOTAL	7,889	7,947	+ 0.7

TABLE 3.2.2

2006 DRINKING-INVOLVED CRASHES

CRASH TYPE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
ANIMAL	0	0.0	10	0.3	4	0.1	14	0.2
BICYCLIST	0	0.0	18	0.5	2	0.1	20	0.3
FIXED OBJECT	121	50.4	1,973	56.0	2,203	52.7	4,297	54.1
OTHER OBJECT	1	0.4	16	0.5	40	1.0	57	0.7
PEDESTRIAN	29	12.1	102	2.9	6	0.1	137	1.7
TRAIN	0	0.0	1	0.0	2	0.1	3	0.0
VEHICLE IN TRANSPORT	49	20.4	953	27.0	1,209	28.9	2,211	27.8
VEHICLE ON OTHER ROADWAY	1	0.4	3	0.1	2	0.1	6	0.1
PARKED VEHICLE	1	0.4	128	3.6	559	13.4	688	8.7
NONCOLLISION OVERTURN	34	14.2	303	8.6	135	3.2	472	5.9
NONCOLLISION OTHER	4	1.7	17	0.5	21	0.5	42	0.5
TOTAL	240	100.0	3,524	100.0	4,183	100.0	7,947	100.0

TABLE 3.2.3

2006 DRINKING-INVOLVED CRASHES

AREA CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
URBAN	74	30.8	1,418	40.2	2,252	53.8	3,744	47.1
RURAL	166	69.2	2,106	59.8	1,931	46.2	4,203	52.9
TOTAL	240	100.0	3,524	100.0	4,183	100.0	7,947	100.0

TABLE 3.2.4

2006 DRINKING-INVOLVED CRASHES

ROAD CURVATURE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
STRAIGHT	138	57.5	2,336	66.5	3,155	76.0	5,629	71.2
CURVE	102	42.5	1,177	33.5	998	24.0	2,277	28.8
UNKNOWN	0	-	11	-	30	-	41	-
TOTAL	240	100.0	3,524	100.0	4,183	100.0	7,947	100.0

TABLE 3.2.5

2006 DRINKING-INVOLVED CRASHES

ROAD INCLINE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
LEVEL	104	43.5	2,029	58.1	2,735	66.3	4,868	62.0
HILL	126	52.7	1,370	39.3	1,303	31.6	2,799	35.6
CREST	9	3.8	91	2.6	88	2.1	188	2.4
UNKNOWN	1	-	34	-	57	-	92	-
TOTAL	240	100.0	3,524	100.0	4,183	100.0	7,947	100.0

TABLE 3.2.6

2006 DRINKING-INVOLVED CRASHES

ROAD CONDITIONS BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRY	216	90.4	3,087	88.0	3,508	84.5	6,811	86.2
WET	21	8.8	397	11.3	584	14.1	1,002	12.7
SNOW	2	0.8	13	0.4	34	0.8	49	0.6
ICE	0	0.0	7	0.2	17	0.4	24	0.3
SLUSH	0	0.0	1	0.0	4	0.1	5	0.1
MUD	0	0.0	2	0.1	2	0.1	4	0.1
STANDING WATER	0	0.0	2	0.1	1	0.0	3	0.0
MOVING WATER	0	0.0	0	0.0	0	0.0	0	0.0
UNKNOWN	1	-	15	-	33	-	49	-
TOTAL	240	100.0	3,524	100.0	4,183	100.0	7,947	100.0

TABLE 3.2.7

2006 DRINKING-INVOLVED CRASHES

HIGHWAY CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	24	10.0	282	8.0	352	8.4	658	8.3
U.S. HIGHWAY	39	16.3	316	9.0	334	8.0	689	8.7
STATE NUMBERED	49	20.4	684	19.4	557	13.3	1,290	16.2
SINGLE STATE LETTERED	33	13.8	426	12.1	276	6.6	735	9.3
DOUBLE STATE LETTERED	15	6.3	168	4.8	135	3.2	318	4.0
OUTER ROAD	2	0.8	34	1.0	37	0.9	73	0.9
COUNTY ROAD	37	15.4	608	17.3	601	14.4	1,246	15.7
CITY STREET	34	14.2	914	25.9	1,746	41.7	2,694	33.9
INTERSTATE LOOP	1	0.4	16	0.5	13	0.3	30	0.4
OTHER ¹	6	2.5	76	2.2	132	3.2	214	2.7
TOTAL	240	100.0	3,524	100.0	4,183	100.0	7,947	100.0

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

TABLE 3.2.8

2006 DRINKING-INVOLVED CRASHES

HIGHWAY CLASSIFICATION BY AREA CLASSIFICATION AND CRASH SEVERITY

	URBAN						RURAL									
	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	15	20.3	158	11.1	195	8.7	368	9.8	9	5.4	124	5.9	157	8.1	290	6.9
U.S. HIGHWAY	11	14.9	104	7.3	146	6.5	261	7.0	28	16.9	212	10.1	188	9.7	428	10.2
STATE NUMBERED	8	10.8	180	12.7	197	8.8	385	10.3	41	24.7	504	23.9	360	18.6	905	21.5
SINGLE STATE LETTERED	2	2.7	26	1.8	45	2.0	73	2.0	31	18.7	400	19.0	231	12.0	662	15.8
DOUBLE STATE LETTERED	3	4.1	16	1.1	18	0.8	37	1.0	12	7.2	152	7.2	117	6.1	281	6.7
OUTER ROAD	0	0.0	19	1.3	7	0.3	26	0.7	2	1.2	15	0.7	30	1.6	47	1.1
COUNTY ROAD	0	0.0	42	3.0	49	2.2	91	2.4	37	22.3	566	26.9	552	28.6	1,155	27.5
CITY STREET	32	43.2	814	57.4	1,509	67.0	2,355	62.9	2	1.2	100	4.8	237	12.3	339	8.1
INTERSTATE LOOP	0	0.0	11	0.8	10	0.4	21	0.6	1	0.6	5	0.2	3	0.2	9	0.2
OTHER ¹	3	4.1	48	3.4	76	3.4	127	3.4	3	1.8	28	1.3	56	2.9	87	2.1
TOTAL	74	100.0	1,418	100.0	2,252	100.0	3,744	100.0	166	100.0	2,106	100.0	1,931	100.0	4,203	100.0

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

TABLE 3.2.9

**2006 MISSOURI DRINKING-INVOLVED CRASHES
MONTH OF YEAR**

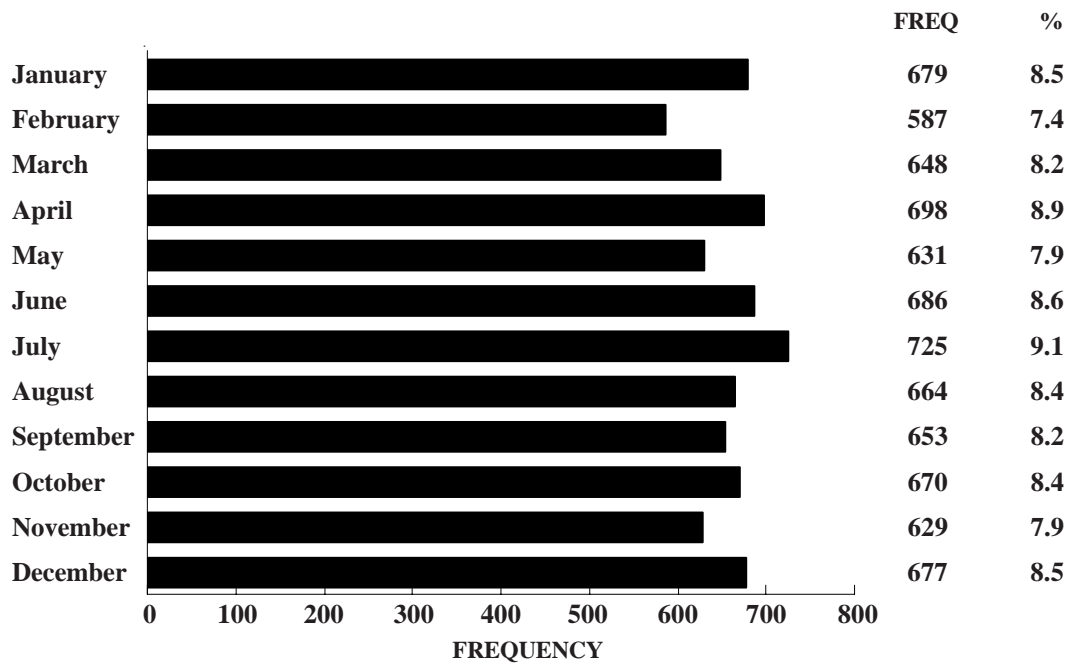
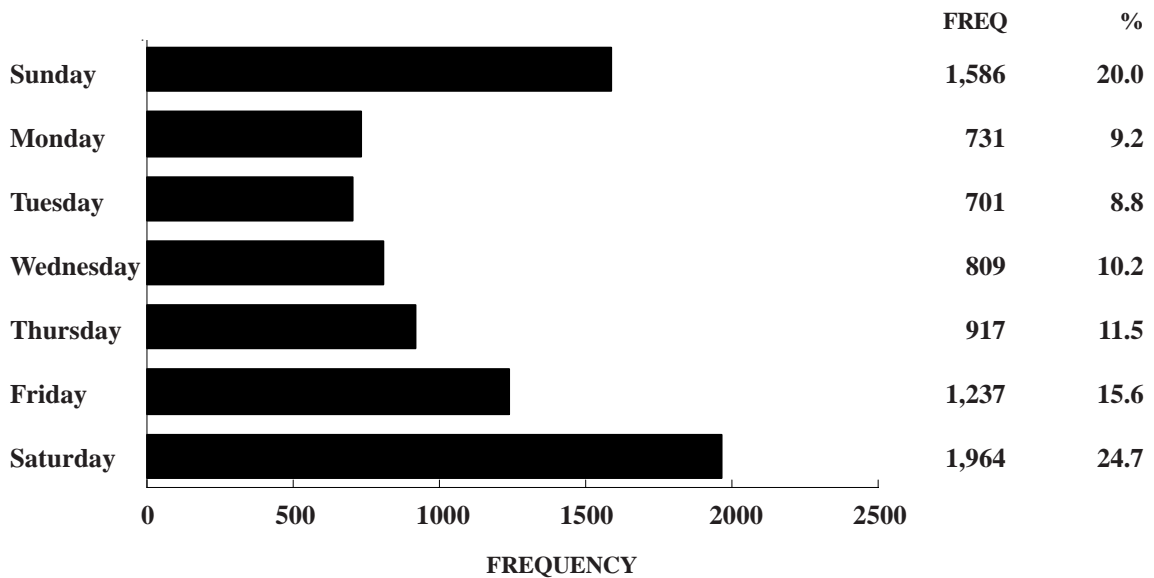


FIGURE 3.2.1

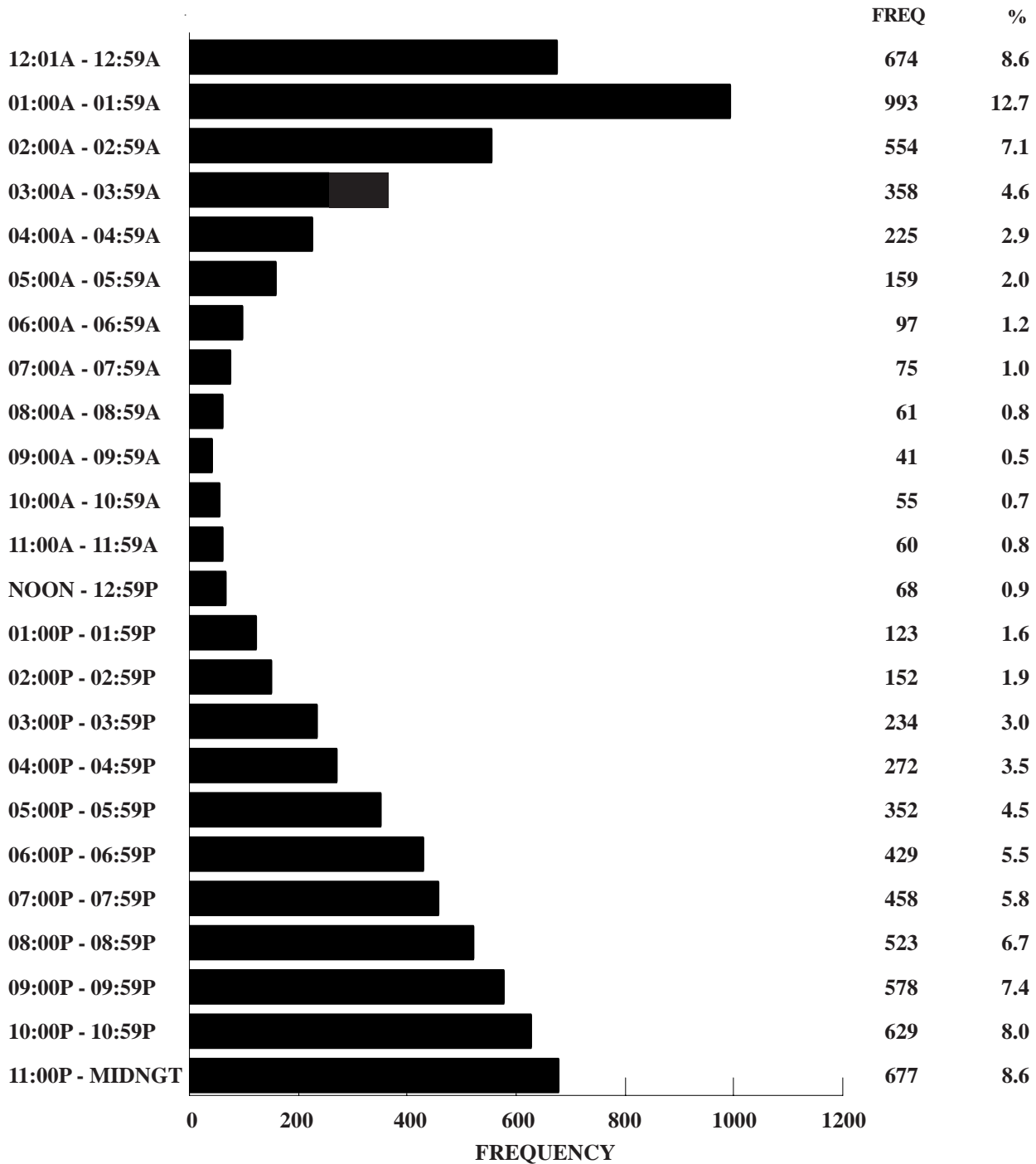
**2006 MISSOURI DRINKING-INVOLVED CRASHES
DAY OF WEEK**



Unknown Data Not Included

FIGURE 3.2.2

**2006 MISSOURI DRINKING-INVOLVED CRASHES
HOUR OF DAY**



Unknown Data Not Included

FIGURE 3.2.3

PERSONS DRINKING IN 2006 MISSOURI CRASHES

PERSON TYPE AND SEX BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MALE								
DRIVERS MOTORIZED VEHICLES	185	75.5	2,699	76.0	3,002	71.6	5,886	73.7
DRIVERS NON-MOTORIZED VEHICLES	0	0.0	10	0.3	2	0.0	12	0.2
PEDESTRIANS	21	8.6	68	1.9	4	0.1	93	1.2
FEMALE								
DRIVERS MOTORIZED VEHICLES	33	13.5	712	20.0	914	21.8	1,659	20.8
DRIVERS NON-MOTORIZED VEHICLES	0	0.0	2	0.1	0	0.0	2	0.0
PEDESTRIANS	3	1.2	18	0.5	0	0.0	21	0.3
SEX UNKNOWN								
DRIVERS MOTORIZED VEHICLES	3	1.2	43	1.2	269	6.4	315	3.9
DRIVERS NON-MOTORIZED VEHICLES	0	0.0	0	0.0	0	0.0	0	0.0
PEDESTRIANS	0	0.0	0	0.0	0	0.0	0	0.0
TOTAL	245	100.0	3,552	100.0	4,191	100.0	7,988	100.0

TABLE 3.2.10

DRIVERS OF MOTORIZED VEHICLES DRINKING IN 2006 MISSOURI CRASHES

AGE OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AVERAGE AGE OF DRIVER	33.1	-	32.8	-	33.4	-	33.1	-
14 YEARS AND UNDER	0	0.0	2	0.1	1	0.0	3	0.0
15 - 20 YEARS	33	15.1	552	16.3	583	14.9	1,168	15.5
21 - 25 YEARS	53	24.3	750	22.1	887	22.7	1,690	22.5
26 - 30 YEARS	24	11.0	471	13.9	516	13.2	1,011	13.5
31 - 35 YEARS	24	11.0	316	9.3	381	9.8	721	9.6
36 - 40 YEARS	19	8.7	327	9.6	374	9.6	720	9.6
41 - 45 YEARS	22	10.1	362	10.7	427	10.9	811	10.8
46 - 50 YEARS	19	8.7	281	8.3	313	8.0	613	8.2
51 - 55 YEARS	8	3.7	157	4.6	195	5.0	360	4.8
56 - 60 YEARS	10	4.6	88	2.6	107	2.7	205	2.7
61 - 65 YEARS	2	0.9	39	1.2	54	1.4	95	1.3
66 YEARS AND OVER	4	1.8	47	1.4	66	1.7	117	1.6
UNKNOWN	3	-	62	-	281	-	346	-
TOTAL	221	100.0	3,454	100.0	4,185	100.0	7,860	100.0

TABLE 3.2.11

DRIVERS OF NON-MOTORIZED VEHICLES DRINKING IN 2006 MISSOURI CRASHES

AGE OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AVERAGE AGE OF DRIVER	0.0	-	37.3	-	40.0	-	37.6	-
14 YEARS AND UNDER	0	0.0	0	0.0	0	0.0	0	0.0
15 - 20 YEARS	0	0.0	1	8.3	0	0.0	1	7.1
21 - 25 YEARS	0	0.0	3	25.0	1	50.0	4	28.6
26 - 30 YEARS	0	0.0	0	0.0	0	0.0	0	0.0
31 - 35 YEARS	0	0.0	2	16.7	0	0.0	2	14.3
36 - 40 YEARS	0	0.0	1	8.3	0	0.0	1	7.1
41 - 45 YEARS	0	0.0	1	8.3	0	0.0	1	7.1
46 - 50 YEARS	0	0.0	1	8.3	0	0.0	1	7.1
51 - 55 YEARS	0	0.0	2	16.7	1	50.0	3	21.4
56 - 60 YEARS	0	0.0	1	8.3	0	0.0	1	7.1
61 - 65 YEARS	0	0.0	0	0.0	0	0.0	0	0.0
66 YEARS AND OVER	0	0.0	0	0.0	0	0.0	0	0.0
UNKNOWN	0	-	0	-	0	-	0	-
TOTAL	0	0.0	12	100.0	2	100.0	14	100.0

TABLE 3.2.12

PEDESTRIANS DRINKING IN 2006 MISSOURI CRASHES

AGE OF PEDESTRIAN BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AVERAGE AGE OF PEDESTRIAN	42.3	-	36.6	-	14.2	-	37.7	-
14 YEARS AND UNDER	0	0.0	0	0.0	0	0.0	0	0.0
15 - 20 YEARS	0	0.0	4	4.8	0	0.0	4	3.6
21 - 25 YEARS	2	8.3	14	16.9	2	50.0	18	16.2
26 - 30 YEARS	3	12.5	11	13.3	0	0.0	14	12.6
31 - 35 YEARS	2	8.3	6	7.2	1	25.0	9	8.1
36 - 40 YEARS	3	12.5	13	15.7	0	0.0	16	14.4
41 - 45 YEARS	4	16.7	20	24.1	0	0.0	24	21.6
46 - 50 YEARS	4	16.7	10	12.1	0	0.0	14	12.6
51 - 55 YEARS	2	8.3	2	2.4	1	25.0	5	4.5
56 - 60 YEARS	1	4.2	3	3.6	0	0.0	4	3.6
61 - 65 YEARS	3	12.5	0	0.0	0	0.0	3	2.7
66 YEARS AND OVER	0	0.0	0	0.0	0	0.0	0	0.0
UNKNOWN	0	-	3	-	0	-	3	-
TOTAL	24	100.0	86	100.0	4	100.0	114	100.0

TABLE 3.2.13

DRIVERS OF MOTORIZED AND NON-MOTORIZED VEHICLES DRINKING IN 2006 MISSOURI CRASHES

TYPE OF VEHICLE DRIVEN BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AUTOMOBILE	101	45.7	1,677	48.4	2,275	54.7	4,053	51.7
SPORT UTILITY VEHICLE	37	16.7	534	15.4	541	13.0	1,112	14.2
LIMOUSINE	0	0.0	1	0.0	1	0.0	2	0.0
VAN	9	4.1	131	3.8	195	4.7	335	4.3
BUS	0	0.0	1	0.0	1	0.0	2	0.0
SCHOOL BUS	0	0.0	0	0.0	0	0.0	0	0.0
MOTORCYCLE	14	6.3	97	2.8	8	0.2	119	1.5
MOPED	0	0.0	4	0.1	4	0.1	8	0.1
BICYCLE	0	0.0	12	0.4	2	0.1	14	0.2
MOTOR HOME / CAMPER	0	0.0	0	0.0	1	0.0	1	0.0
FARM EQUIPMENT	0	0.0	1	0.0	0	0.0	1	0.0
CONSTRUCTION EQUIPMENT	0	0.0	0	0.0	0	0.0	0	0.0
OTHER TRANSPORT DEVICE	0	0.0	1	0.0	2	0.1	3	0.0
PICKUP TRUCK	53	24.0	962	27.8	1,109	26.7	2,124	27.1
OTHER TRUCKS	2	0.9	9	0.3	23	0.6	34	0.4
ALL TERRAIN VEHICLE	5	2.3	34	1.0	0	0.0	39	0.5
UNKNOWN	0	-	2	-	25	-	27	-
TOTAL	221	100.0	3,466	100.0	4,187	100.0	7,874	100.0

TABLE 3.2.14

DRIVERS OF MOTORIZED VEHICLES DRINKING IN 2006 MISSOURI CRASHES

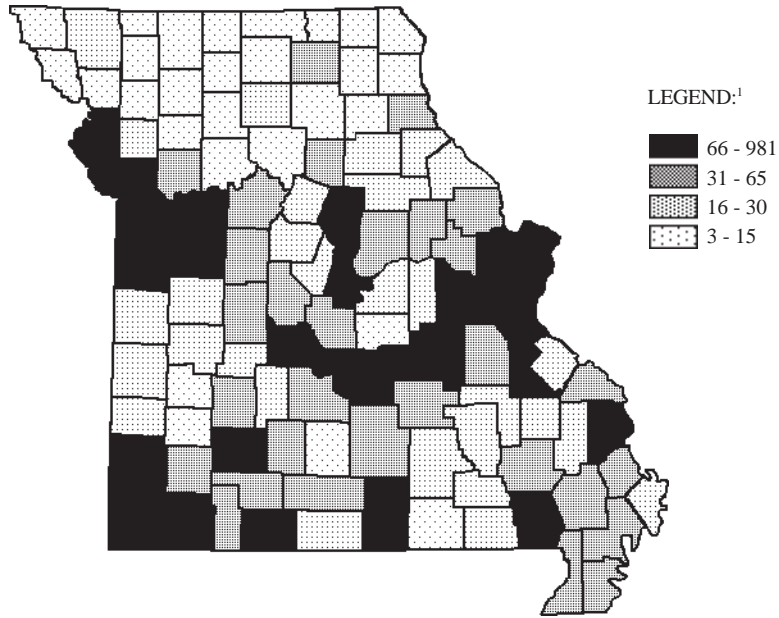
DRIVER'S LICENSE STATE AND TYPE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MISSOURI								
LEARNER'S PERMIT	1	0.5	9	0.3	15	0.4	25	0.3
OPERATOR'S LICENSE	144	66.4	2,359	70.7	2,803	74.2	5,306	72.4
MOTORCYCLE ONLY	0	0.0	0	0.0	0	0.0	0	0.0
COMMERCIAL DRIVER'S LICENSE	14	6.5	146	4.4	113	3.0	273	3.7
SUBTOTAL	159	73.3	2,514	75.4	2,931	77.6	5,604	76.4
OUTSTATE								
LEARNER'S PERMIT	0	0.0	0	0.0	1	0.0	1	0.0
OPERATOR'S LICENSE	12	5.5	214	6.4	269	7.1	495	6.8
MOTORCYCLE ONLY	0	0.0	0	0.0	0	0.0	0	0.0
COMMERCIAL DRIVER'S LICENSE	2	0.9	18	0.5	16	0.4	36	0.5
SUBTOTAL	14	6.5	232	7.0	286	7.6	532	7.3
UNLICENSED	44	20.3	589	17.7	562	14.9	1,195	16.3
UNKNOWN	4	-	119	-	406	-	529	-
TOTAL	221	100.0	3,454	100.0	4,185	100.0	7,860	100.0

TABLE 3.2.15

2006 DRINKING-INVOLVED CRASHES

COUNTY QUARTILE ANALYSIS



¹LEGEND CATEGORIES ARE BASED ON QUARTILES OF COUNTIES.

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
1.0	ST. LOUIS	981	12.3	22.0	PHELPS	77	1.0
2.0	JACKSON	950	12.0	23.0	CAMDEN	75	0.9
3.0	ST. CHARLES	446	5.6	24.0	CRAWFORD	71	0.9
4.0	JEFFERSON	343	4.3	25.0	JOHNSON	70	0.9
5.0	GREENE	329	4.1	26.5	LAFAYETTE	67	0.8
6.5	CLAY	264	3.3	26.5	PULASKI	67	0.8
6.5	ST. LOUIS CITY	264	3.3	28.0	HOWELL	66	0.8
8.0	BOONE	260	3.3				
9.0	FRANKLIN	194	2.4				
10.5	BUCHANAN	154	1.9				
10.5	JASPER	154	1.9				
12.0	TANEY	110	1.4	29.5	CALLAWAY	65	0.8
13.0	PLATTE	107	1.3	29.5	PETIS	65	0.8
14.0	COLE	105	1.3	31.0	LACLEDE	54	0.7
15.0	BARRY	95	1.2	33.0	CHRISTIAN	53	0.7
16.0	CASS	94	1.2	33.0	MILLER	53	0.7
17.0	ST. FRANCOIS	91	1.1	33.0	STONE	53	0.7
18.0	BUTLER	87	1.1	36.0	MORGAN	48	0.6
19.0	NEWTON	82	1.0	36.0	SCOTT	48	0.6
20.0	CAPE GIRARDEAU	79	1.0	36.0	WASHINGTON	48	0.6
21.0	MC DONALD	78	1.0	38.0	BENTON	47	0.6
				39.0	RAY	46	0.6

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
40.0	LINCOLN	45	0.6	78.0	RALLS	18	0.2
41.0	LAWRENCE	43	0.5	78.0	SHANNON	18	0.2
42.0	WAYNE	42	0.5	80.5	CARTER	17	0.2
43.0	NEW MADRID	41	0.5	80.5	LINN	17	0.2
45.0	DUNKLIN	40	0.5	84.5	BARTON	16	0.2
45.0	PEMISCOT	40	0.5	84.5	IRON	16	0.2
45.0	STODDARD	40	0.5	84.5	MONROE	16	0.2
47.5	MARION	39	0.5	84.5	OSAGE	16	0.2
47.5	TEXAS	39	0.5	84.5	PIKE	16	0.2
49.0	WEBSTER	37	0.5	84.5	ST. CLAIR	16	0.2
50.5	POLK	36	0.5				
50.5	RANDOLPH	36	0.5				
52.0	MONTGOMERY	35	0.4				
53.5	PERRY	34	0.4				
53.5	WARREN	34	0.4				
55.0	DOUGLAS	33	0.4				
56.5	ADAIR	32	0.4				
56.5	SALINE	32	0.4				
58.0	DENT	31	0.4				
Second Quartile							
Third Quartile							
59.0	VERNON	30	0.4	88.5	MARIES	15	0.2
61.0	AUDRAIN	29	0.4	88.5	OREGON	15	0.2
61.0	HENRY	29	0.4	91.0	ANDREW	14	0.2
61.0	NODAWAY	29	0.4	91.0	LIVINGSTON	14	0.2
63.0	HOWARD	28	0.4	91.0	WRIGHT	14	0.2
64.5	COOPER	26	0.3	94.0	HARRISON	13	0.2
64.5	RIPLEY	26	0.3	94.0	LEWIS	13	0.2
67.0	BATES	25	0.3	94.0	MACON	13	0.2
67.0	GASCONADE	25	0.3	97.5	CLARK	12	0.2
67.0	MISSISSIPPI	25	0.3	97.5	DE KALB	12	0.2
69.0	DALLAS	24	0.3	97.5	GENTRY	12	0.2
70.5	HICKORY	23	0.3	97.5	GRUNDY	12	0.2
70.5	REYNOLDS	23	0.3	100.5	ATCHISON	11	0.1
72.5	CLINTON	22	0.3	100.5	CEDAR	11	0.1
72.5	MONITEAU	22	0.3	102.0	HOLT	10	0.1
74.0	BOLLINGER	20	0.3	103.0	CALDWELL	9	0.1
75.5	OZARK	19	0.2	104.5	CARROLL	8	0.1
75.5	STE. GENEVIEVE	19	0.2	104.5	CHARITON	8	0.1
78.0	MADISON	18	0.2	107.5	PUTNAM	7	0.1
				107.5	SHELBY	7	0.1
				107.5	SULLIVAN	7	0.1
				107.5	WORTH	7	0.1
				110.0	DAVIESS	6	0.1
				111.0	DADE	5	0.1
				113.0	MERCER	4	0.1
				113.0	SCHUYLER	4	0.1
				113.0	SCOTLAND	4	0.1
				115.0	KNOX	3	0.0
				Fourth Quartile			

TABLE 3.2.16

2006 DRINKING-INVOLVED CRASHES

CITY LISTING

RANK	CITY	FREQUENCY	PERCENT ¹
1.0	KANSAS CITY	601	14.0
2.0	ST. LOUIS	264	6.2
3.0	SPRINGFIELD	239	5.6
4.0	INDEPENDENCE	213	5.0
5.0	COLUMBIA	188	4.4
6.0	ST. JOSEPH	127	3.0
7.0	ST. CHARLES	108	2.5
8.0	LEE'S SUMMIT	104	2.4
9.0	JOPLIN	86	2.0
10.0	ST. PETERS	76	1.8
11.0	O'FALLON	74	1.7
12.0	BLUE SPRINGS	64	1.5
13.5	FLORISSANT	56	1.3
13.5	MARYLAND HEIGHTS	56	1.3
15.0	JEFFERSON CITY	55	1.3
16.0	ARNOLD	38	0.9
17.0	CHESTERFIELD	37	0.9
18.0	SEDALIA	36	0.8
19.0	BRIDGETON	35	0.8
20.0	CREVE COEUR	34	0.8
21.5	GRANDVIEW	33	0.8
21.5	WASHINGTON	33	0.8
23.0	SUNSET HILLS	30	0.7
24.5	HANNIBAL	29	0.7
24.5	UNIVERSITY CITY	29	0.7
26.0	OVERLAND	28	0.7
27.0	LIBERTY	26	0.6
29.0	HAZELWOOD	25	0.6
29.0	POPLAR BLUFF	25	0.6
29.0	ST. ROBERT	25	0.6
31.0	RAYTOWN	24	0.6
34.0	BERKELEY	23	0.5
34.0	KIRKSVILLE	23	0.5
34.0	ROLLA	23	0.5
34.0	TOWN AND COUNTRY	23	0.5
34.0	WENTZVILLE	23	0.5
38.0	GLADSTONE	22	0.5
38.0	LADUE	22	0.5
38.0	WARRENSBURG	22	0.5
40.0	NORTH KANSAS CITY	21	0.5
41.0	KIRKWOOD	20	0.5

¹Percentage is based on drinking-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 3.2.17

**MISSOURI FATAL AND PERSONAL INJURY DRINKING-INVOLVED CRASHES
ANNUAL TIME SERIES**

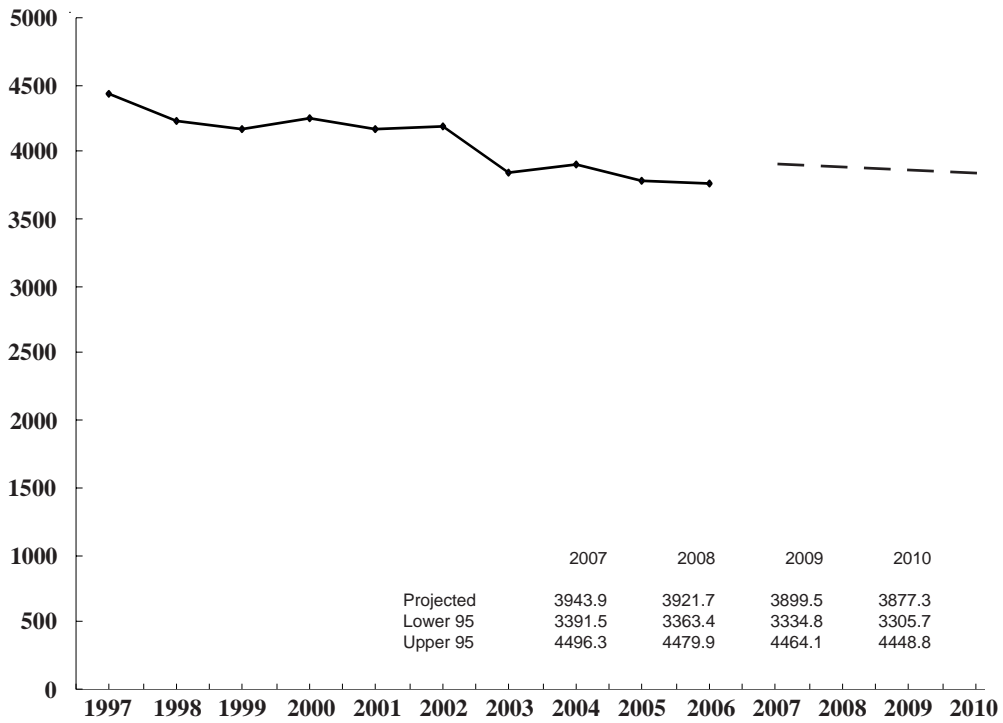


FIGURE 3.2.4

3.3 YOUNG DRIVER INVOLVEMENT

This section presents a series of data displays which describe young driver involvement in Missouri's traffic crash experience. Young driver traffic crashes are defined as any crash in which one or more drivers of motorized vehicles directly involved in the traffic crash were under the age of 21. Data displays also are provided which identify characteristics of these young drivers.

2006 SUMMARY ANALYSIS

- Of all 2006 Missouri traffic crashes, 28.9% involved a young driver. Of all fatal traffic crashes, 22.5% involved a young driver. A total of 255 persons were killed and 18,680 were injured in traffic crashes involving young drivers.
- There was a decrease of 2.8% in the rate of change when comparing 2006 young driver traffic crashes with those in 2005. There was a decrease of 6.9% when comparing 2006 fatal young driver traffic crashes with 2005.
- In 2006, one person was killed or injured in young driver related traffic crashes every 27.8 minutes in the State of Missouri.
- Of all young driver related traffic crashes, the first harmful event in 74.3% of the incidents involved one motor vehicle in transport striking another motor vehicle in transport. In 17.7% of the cases, the first harmful event involved one motor vehicle striking a fixed object. In young driver fatal traffic crashes, 41.9% of the cases involved a motor vehicle striking a fixed object.
- Of all 2006 young driver crashes, 64.5% occurred in an urban area and 35.5% occurred in a rural area of the State. However, 71.6% of the fatal young driver crashes occurred in a rural area.
- Of all young driver traffic crashes, 32.3% occurred on Friday or Saturday.
- Of all young drivers in traffic crashes, 53.9% were male and 46.1% were female. Of those young drivers in fatal traffic crashes, 67.8% were male. The average age of young drivers (20 years and under) was 17.9 years.
- Of the young drivers, 91.0% had a Missouri driver's license / permit, 5.3% had an out-of-state driver's license, and 3.6% were unlicensed at the time of the crash.
- Of the young drivers, 70.5% were driving an automobile and 14.4% were driving a pickup truck at the time of the crash.
- In 45.6% of the 2006 young driver related fatal traffic crashes, a young driver was either exceeding the speed limit or driving too fast for conditions which contributed to the cause of the crash. In 15.3% of these fatal crashes, the young driver's drinking condition contributed to the cause of the crash.

2006 MISSOURI TRAFFIC CRASHES

YOUNG DRIVER INVOLVEMENT

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	TOTAL NUMBER¹ KILLED	INJURED	YOUNG DRIVERS² KILLED	INJURED
YOUNG DRIVER INVOLVED	215	22.5	11,864	29.6	30,331	28.6	42,410	28.9	255	18,680	119	7,708
NO YOUNG DRIVER INVOLVED	740	77.5	28,265	70.4	75,593	71.4	104,598	71.1	824	40,762	-	-
UNKNOWN ³	16	-	2,009	-	18,110	-	20,135	-	17	2,636	-	-
TOTAL	971	100.0	42,138	100.0	124,034	100.0	167,143	100.0	1,096	62,078	119	7,708

¹This statistic indicates the total number of persons killed and injured in a crash where one or more young drivers were involved.

²This statistic indicates the number of young drivers killed and injured.

³Crashes were classified as unknown if the following conditions exist: none of the known drivers involved in the accident was 20 years of age and younger and the ages of one or more drivers involved in the crash was not known.

TABLE 3.3.1

2005 and 2006 YOUNG DRIVER INVOLVED CRASH ANALYSIS

	2005	2006	RATE OF CHANGE
FATAL	231	215	- 6.9
PERSONAL INJURY	12,438	11,864	- 4.6
PROPERTY DAMAGE	30,983	30,331	- 2.1
TOTAL	43,652	42,410	- 2.8

TABLE 3.3.2

2006 YOUNG DRIVER INVOLVED CRASHES

CRASH TYPE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
ANIMAL	0	0.0	54	0.5	365	1.2	419	1.0
BICYCLIST	1	0.5	69	0.6	8	0.0	78	0.2
FIXED OBJECT	90	41.9	2,873	24.2	4,526	14.9	7,489	17.7
OTHER OBJECT	1	0.5	35	0.3	170	0.6	206	0.5
PEDESTRIAN	8	3.7	145	1.2	5	0.0	158	0.4
TRAIN	1	0.5	2	0.0	1	0.0	4	0.0
VEHICLE IN TRANSPORT	90	41.9	7,932	66.9	23,496	77.5	31,518	74.3
VEHICLE ON OTHER ROADWAY	1	0.5	20	0.2	56	0.2	77	0.2
PARKED VEHICLE	0	0.0	150	1.3	1,268	4.2	1,418	3.3
NONCOLLISION OVERTURN	22	10.2	534	4.5	326	1.1	882	2.1
NONCOLLISION OTHER	1	0.5	50	0.4	110	0.4	161	0.4
TOTAL	215	100.0	11,864	100.0	30,331	100.0	42,410	100.0

TABLE 3.3.3

2006 YOUNG DRIVER INVOLVED CRASHES

AREA CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
URBAN	61	28.4	6,947	58.6	20,332	67.0	27,340	64.5
RURAL	154	71.6	4,917	41.4	9,999	33.0	15,070	35.5
TOTAL	215	100.0	11,864	100.0	30,331	100.0	42,410	100.0

TABLE 3.3.4

2006 YOUNG DRIVER INVOLVED CRASHES

ROAD CURVATURE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
STRAIGHT	143	66.5	9,549	80.9	25,267	85.3	34,959	84.0
CURVE	72	33.5	2,262	19.1	4,342	14.7	6,676	16.0
UNKNOWN	0	-	53	-	722	-	775	-
TOTAL	215	100.0	11,864	100.0	30,331	100.0	42,410	100.0

TABLE 3.3.5

2006 YOUNG DRIVER INVOLVED CRASHES

ROAD INCLINE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
LEVEL	93	43.7	7,513	64.0	20,683	70.4	28,289	68.4
HILL	108	50.7	3,846	32.8	8,001	27.2	11,955	28.9
CREST	12	5.6	377	3.2	704	2.4	1,093	2.6
UNKNOWN	2	-	128	-	943	-	1,073	-
TOTAL	215	100.0	11,864	100.0	30,331	100.0	42,410	100.0

TABLE 3.3.6

2006 YOUNG DRIVER INVOLVED CRASHES

ROAD CONDITIONS BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRY	186	86.9	9,756	82.7	24,314	80.6	34,256	81.2
WET	27	12.6	1,903	16.1	5,311	17.6	7,241	17.2
SNOW	1	0.5	77	0.7	255	0.9	333	0.8
ICE	0	0.0	50	0.4	222	0.7	272	0.7
SLUSH	0	0.0	6	0.1	26	0.1	32	0.1
MUD	0	0.0	3	0.0	6	0.0	9	0.0
STANDING WATER	0	0.0	5	0.0	12	0.0	17	0.0
MOVING WATER	0	0.0	1	0.0	6	0.0	7	0.0
UNKNOWN	1	-	63	-	179	-	243	-
TOTAL	215	100.0	11,864	100.0	30,331	100.0	42,410	100.0

TABLE 3.3.7

2006 YOUNG DRIVER INVOLVED CRASHES

HIGHWAY CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	20	9.3	932	7.9	2,536	8.4	3,488	8.2
U.S. HIGHWAY	37	17.2	1,132	9.5	2,699	8.9	3,868	9.1
STATE NUMBERED	43	20.0	2,204	18.6	4,960	16.4	7,207	17.0
SINGLE STATE LETTERED	38	17.7	969	8.2	1,572	5.2	2,579	6.1
DOUBLE STATE LETTERED	13	6.1	426	3.6	749	2.5	1,188	2.8
OUTER ROAD	2	0.9	113	1.0	264	0.9	379	0.9
COUNTY ROAD	34	15.8	1,439	12.1	3,061	10.1	4,534	10.7
CITY STREET	26	12.1	4,194	35.4	13,091	43.2	17,311	40.8
INTERSTATE LOOP	0	0.0	85	0.7	190	0.6	275	0.7
OTHER ¹	2	0.9	370	3.1	1,209	4.0	1,581	3.7
TOTAL	215	100.0	11,864	100.0	30,331	100.0	42,410	100.0

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

TABLE 3.3.8

2006 YOUNG DRIVER INVOLVED CRASHES

HIGHWAY CLASSIFICATION BY AREA CLASSIFICATION AND CRASH SEVERITY

	URBAN						RURAL									
	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	10	16.4	637	9.2	1,679	8.3	2,326	8.5	10	6.5	295	6.0	857	8.6	1,162	7.7
U.S. HIGHWAY	9	14.8	532	7.7	1,535	7.6	2,076	7.6	28	18.2	600	12.2	1,164	11.6	1,792	11.9
STATE NUMBERED	9	14.8	1,016	14.6	2,749	13.5	3,774	13.8	34	22.1	1,188	24.2	2,211	22.1	3,433	22.8
SINGLE STATE LETTERED	4	6.6	168	2.4	492	2.4	664	2.4	34	22.1	801	16.3	1,080	10.8	1,915	12.7
DOUBLE STATE LETTERED	2	3.3	107	1.5	315	1.6	424	1.6	11	7.1	319	6.5	434	4.3	764	5.1
OUTER ROAD	1	1.6	73	1.1	183	0.9	257	0.9	1	0.7	40	0.8	81	0.8	122	0.8
COUNTY ROAD	1	1.6	218	3.1	695	3.4	914	3.3	33	21.4	1,221	24.8	2,366	23.7	3,620	24.0
CITY STREET	24	39.3	3,835	55.2	11,645	57.3	15,504	56.7	2	1.3	359	7.3	1,446	14.5	1,807	12.0
INTERSTATE LOOP	0	0.0	70	1.0	159	0.8	229	0.8	0	0.0	15	0.3	31	0.3	46	0.3
OTHER ¹	1	1.6	291	4.2	880	4.3	1,172	4.3	1	0.7	79	1.6	329	3.3	409	2.7
TOTAL	61	100.0	6,947	100.0	20,332	100.0	27,340	100.0	154	100.0	4,917	100.0	9,999	100.0	15,070	100.0

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

TABLE 3.3.9

**2006 MISSOURI YOUNG DRIVER INVOLVED CRASHES
MONTH OF YEAR**

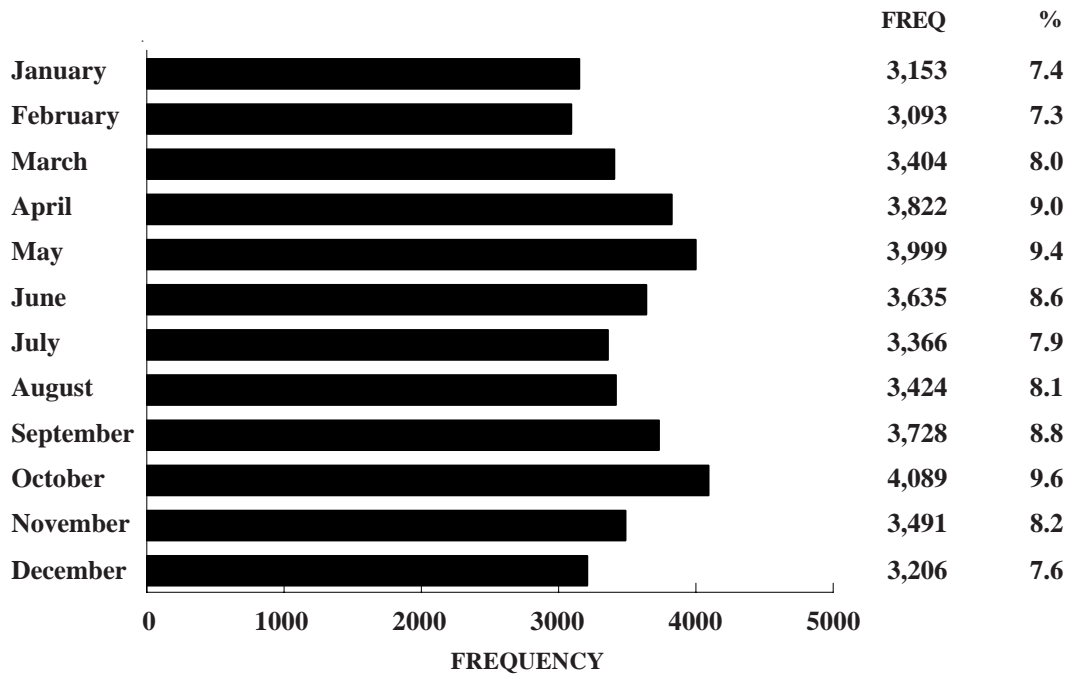
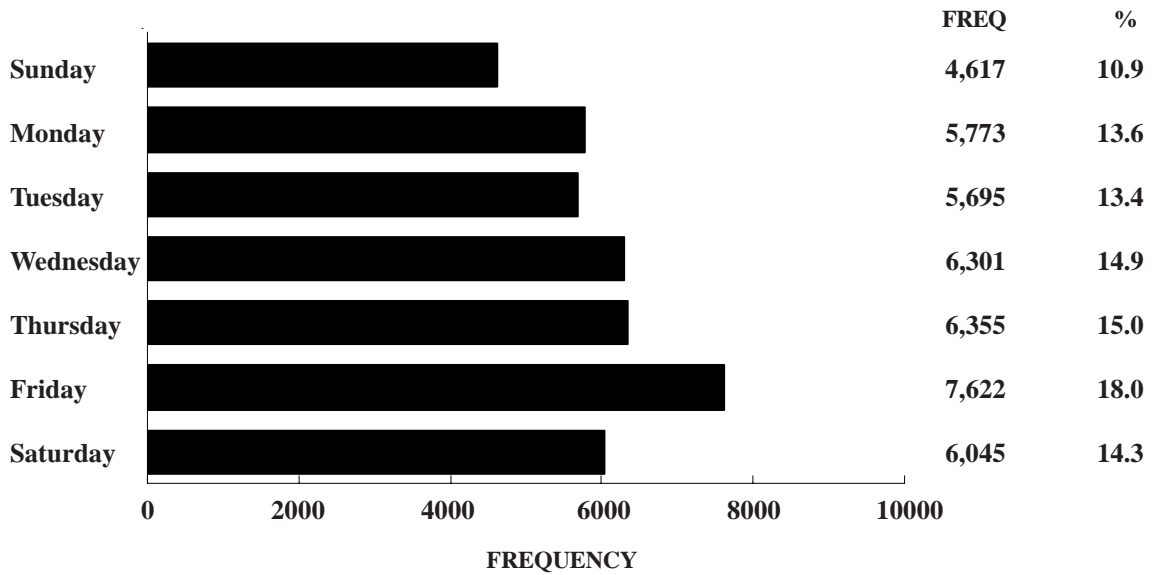


FIGURE 3.3.1

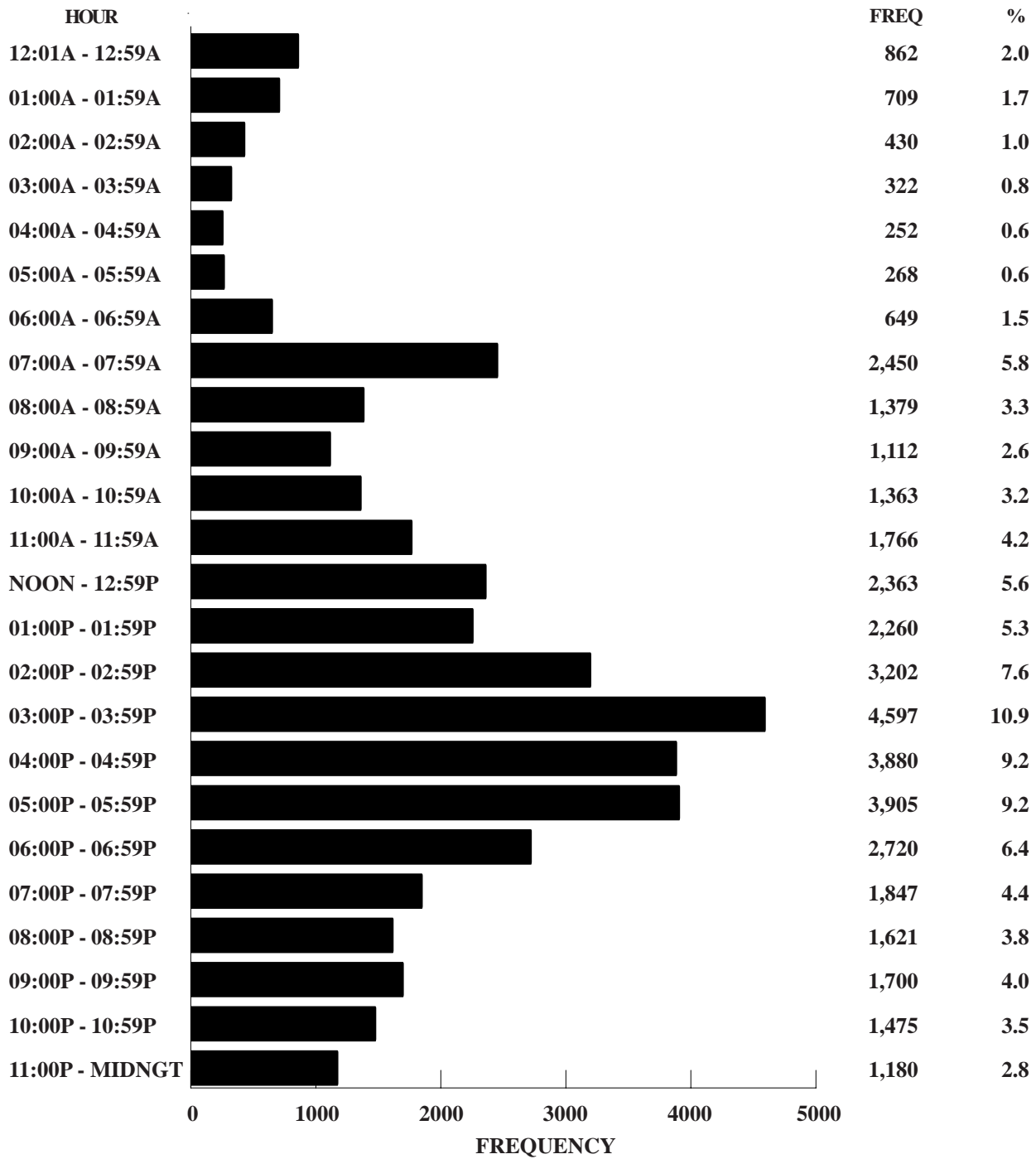
**2006 MISSOURI YOUNG DRIVER INVOLVED CRASHES
DAY OF WEEK**



Unknown Data Not Included

FIGURE 3.3.2

**2006 MISSOURI YOUNG DRIVER INVOLVED CRASHES
HOUR OF DAY**



Unknown Data Not Included

FIGURE 3.3.3

2006 MISSOURI YOUNG DRIVER CRASHES

TYPE OF CIRCUMSTANCE INVOLVED BY CRASH SEVERITY AND PERSON CLASSIFICATION¹

FATAL YOUNG DRIVER CRASHES = 215				TOTAL YOUNG DRIVER CRASHES = 42,410		
	YOUNG DRIVER/ VEHICLE	OTHER DRIVER/ VEHICLE/PED.	TOTAL FATAL	YOUNG DRIVER/ VEHICLE	OTHER DRIVER/ VEHICLE/PED.	TOTAL CRASHES
VEHICLE DEFECTS	2.3	0.5	2.8	2.0	0.5	2.5
TRAFFIC CONTROL INOOPERATIVE / MISSING	0.0	0.0	0.0	0.1	0.1	0.1
IMPROPERLY STOPPED ON ROADWAY	0.0	0.0	0.0	0.3	0.2	0.5
EXCEEDING SPEED LIMIT/ TOO FAST FOR CONDITIONS	45.6	3.7	49.3	17.9	2.3	19.9
IMPROPER PASSING	3.7	0.5	4.2	1.0	0.5	1.5
VIOLATION OF STOP SIGN	4.7	1.9	6.5	3.1	1.5	4.5
WRONG SIDE NOT PASSING	13.5	2.8	15.8	1.9	0.5	2.2
FOLLOWING TOO CLOSE	1.9	0.0	1.9	13.6	5.2	18.4
IMPROPER SIGNAL	0.5	0.0	0.5	0.2	0.1	0.3
IMPROPER BACKING	0.0	0.0	0.0	1.6	0.7	2.3
IMPROPER TURN	0.9	0.9	1.8	2.5	1.3	3.8
IMPROPER LANE USAGE / CHANGE	13.0	2.8	15.3	6.4	2.4	8.5
WRONG WAY ONE-WAY STREET	1.4	0.5	1.9	0.1	0.1	0.2
IMPROPER START FROM PARK	0.0	0.0	0.0	0.3	0.1	0.4
IMPROPERLY PARKED	0.0	0.0	0.0	0.1	0.2	0.2
FAILED TO YIELD	7.0	7.9	14.9	14.5	7.4	21.6
DRINKING	15.3	3.3	18.1	2.8	0.7	3.5
DRUGS	3.3	0.9	4.2	0.4	0.1	0.5
PHYSICAL IMPAIRMENT	1.9	0.5	2.3	1.2	0.2	1.4
INATTENTION	19.1	4.7	23.3	23.4	7.3	29.7

¹This table identifies the percentage of young driver crashes having a specific type of circumstance which contributed to the cause of the crash. This table further defines the percentage of crashes where the contributing circumstance was associated with the young driver or his vehicle as well as those attributed to other persons and vehicles in the crash. For instance, when examining speed involvement in 2006 Missouri fatal young driver crashes, it was found that a young driver was speeding in 45.6% of the crashes. In 3.7% of the crashes another driver was speeding. In 49.3% of the crashes either a young driver, another driver, or both drivers were speeding.

TABLE 3.3.10

YOUNG DRIVERS IN 2006 MISSOURI CRASHES

SEX OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MALE	154	67.8	6,847	53.2	17,846	54.1	24,847	53.9
FEMALE	73	32.2	6,028	46.8	15,155	45.9	21,256	46.1
UNKNOWN	0	-	0	-	473	-	473	-
TOTAL	227	100.0	12,875	100.0	33,474	100.0	46,576	100.0

TABLE 3.3.11

YOUNG DRIVERS IN 2006 MISSOURI CRASHES

AGE OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AVERAGE AGE OF YOUNG DRIVER¹	18.1	-	17.9	-	17.9	-	17.9	-
14 YEARS AND UNDER	3	1.3	95	0.7	105	0.3	203	0.4
15 YEARS	6	2.6	154	1.2	377	1.1	537	1.2
16 YEARS	26	11.5	2,384	18.5	6,287	18.8	8,697	18.7
17 YEARS	41	18.1	2,501	19.4	6,961	20.8	9,503	20.4
18 YEARS	51	22.5	2,760	21.4	7,233	21.6	10,044	21.6
19 YEARS	47	20.7	2,592	20.1	6,551	19.6	9,190	19.7
20 YEARS	53	23.4	2,389	18.6	5,960	17.8	8,402	18.0
TOTAL	227	100.0	12,875	100.0	33,474	100.0	46,576	100.0

¹ Average age is based on only drivers 20 years of age and under.

TABLE 3.3.12

YOUNG DRIVERS IN 2006 MISSOURI CRASHES

DRIVER'S LICENSE STATE AND TYPE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MISSOURI								
LEARNER'S PERMIT	6	2.7	259	2.1	614	1.9	879	2.0
OPERATOR'S LICENSE	178	80.2	11,095	87.7	28,824	89.4	40,097	88.8
MOTORCYCLE ONLY	0	0.0	0	0.0	0	0.0	0	0.0
COMERCIAL DRIVER'S LICENSE	0	0.0	29	0.2	81	0.3	110	0.2
SUBTOTAL	184	82.9	11,383	90.0	29,519	91.5	41,086	91.0
OUT STATE								
LEARNER'S PERMIT	1	0.5	13	0.1	22	0.1	36	0.1
OPERATOR'S LICENSE	12	5.4	643	5.1	1,698	5.3	2,353	5.2
MOTORCYCLE ONLY	0	0.0	0	0.0	0	0.0	0	0.0
COMMERCIAL DRIVER'S LICENSE	0	0.0	5	0.0	12	0.0	17	0.0
SUBTOTAL	13	5.9	661	5.2	1,732	5.4	2,406	5.3
UNLICENSED	25	11.3	606	4.8	1,010	3.1	1,641	3.6
UNKNOWN	5	-	225	-	1,213	-	1,443	-
TOTAL	227	100.0	12,875	100.0	33,474	100.0	46,576	100.0

TABLE 3.3.13

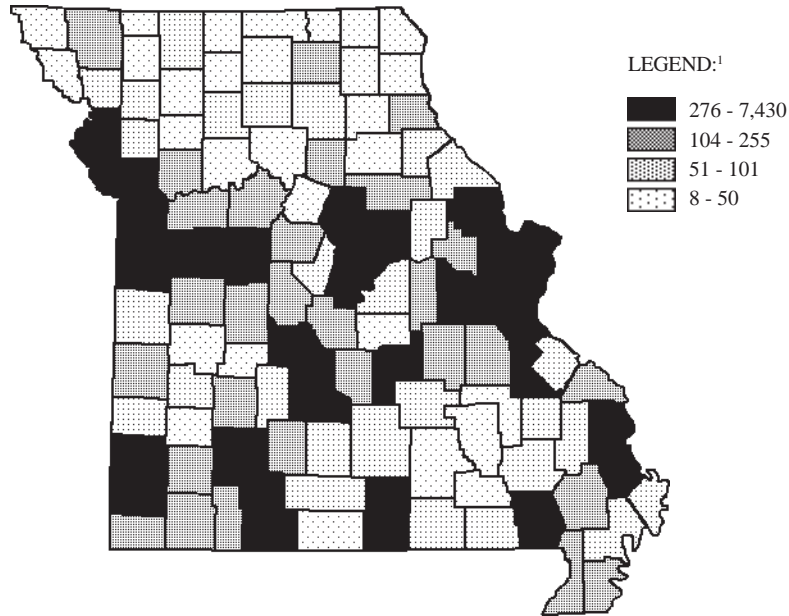
YOUNG DRIVERS IN 2006 MISSOURI CRASHES
TYPE OF VEHICLE DRIVEN BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AUTOMOBILE	141	62.1	8,902	69.2	23,760	71.1	32,803	70.5
SPORT UTILITY VEHICLE	24	10.6	1,516	11.8	3,752	11.2	5,292	11.4
LIMOUSINE	0	0.0	0	0.0	1	0.0	1	0.0
VAN	7	3.1	331	2.6	877	2.6	1,215	2.6
BUS	0	0.0	3	0.0	6	0.0	9	0.0
SCHOOL BUS	0	0.0	0	0.0	3	0.0	3	0.0
MOTORCYCLE	5	2.2	160	1.2	45	0.1	210	0.5
MOPED	0	0.0	17	0.1	6	0.0	23	0.1
MOTOR HOME / CAMPER	0	0.0	1	0.0	0	0.0	1	0.0
FARM EQUIPMENT	0	0.0	2	0.0	12	0.0	14	0.0
CONSTRUCTION EQUIPMENT	0	0.0	0	0.0	2	0.0	2	0.0
OTHER TRANSPORT DEVICE	1	0.4	9	0.1	7	0.0	17	0.0
PICKUP TRUCK	41	18.1	1,816	14.1	4,834	14.5	6,691	14.4
OTHER TRUCKS	1	0.4	33	0.3	117	0.4	151	0.3
ALL TERRAIN VEHICLE	7	3.1	68	0.5	10	0.0	85	0.2
UNKNOWN	0	-	17	-	42	-	59	-
TOTAL	227	100.0	12,875	100.0	33,474	100.0	46,576	100.0

TABLE 3.3.14

2006 YOUNG DRIVER INVOLVED CRASHES

COUNTY QUARTILE ANALYSIS

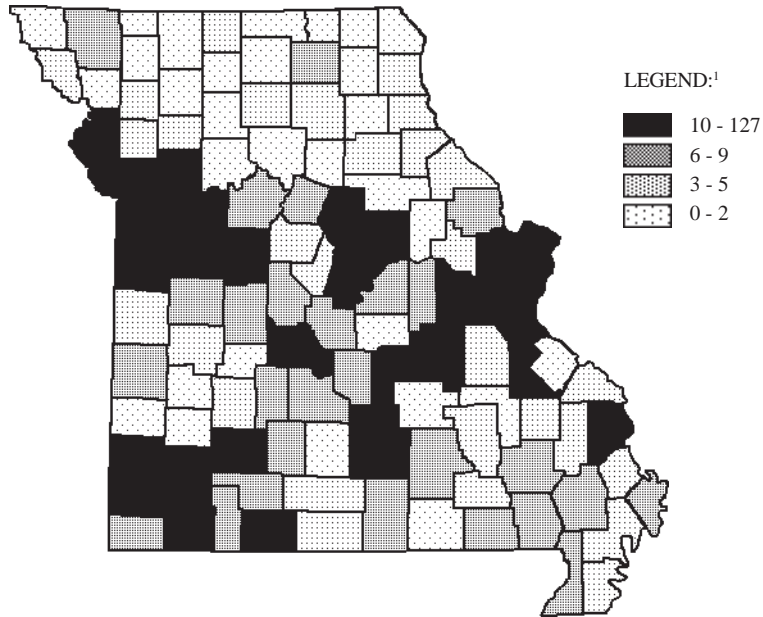


¹LEGEND CATEGORIES ARE BASED ON QUARTILES OF COUNTIES.

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
1.0	ST. LOUIS	7,430	17.5	22.0	CHRISTIAN	349	0.8
2.0	JACKSON	5,010	11.8	23.0	NEWTON	347	0.8
3.0	ST. CHARLES	2,727	6.4	24.0	LACLEDE	319	0.8
4.0	GREENE	2,721	6.4	25.0	CAMDEN	305	0.7
5.0	ST. LOUIS CITY	2,297	5.4	26.0	LINCOLN	294	0.7
6.0	JEFFERSON	1,664	3.9	27.0	HOWELL	283	0.7
7.0	CLAY	1,450	3.4	28.0	CALLAWAY	277	0.7
8.0	BOONE	1,379	3.3	29.0	SCOTT	276	0.7
9.0	JASPER	1,071	2.5				
10.0	CAPE GIRARDEAU	858	2.0				First Quartile
11.0	FRANKLIN	856	2.0				Second Quartile
12.0	BUCHANAN	744	1.8	30.0	PULASKI	255	0.6
13.0	CASS	572	1.3	31.0	LAWRENCE	237	0.6
14.0	COLE	567	1.3	32.0	BARRY	231	0.5
15.0	PLATTE	535	1.3	33.0	MARION	225	0.5
16.0	TANEY	454	1.1	34.0	LAFAYETTE	224	0.5
17.0	PETTIS	418	1.0	35.0	WARREN	215	0.5
18.0	ST. FRANCOIS	415	1.0	36.0	RANDOLPH	201	0.5
19.0	BUTLER	412	1.0	37.0	DUNKLIN	182	0.4
20.0	PHELPS	393	0.9	38.0	MILLER	180	0.4
21.0	JOHNSON	388	0.9	39.0	CRAWFORD	168	0.4

2006 YOUNG DRINKING DRIVER INVOLVED CRASHES

COUNTY QUARTILE ANALYSIS



¹LEGEND CATEGORIES ARE BASED ON QUARTILES OF COUNTIES.

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
1.0	ST. LOUIS	127	10.9	22.5	ST. LOUIS CITY	11	0.9
2.0	JACKSON	97	8.3	26.5	CAMDEN	10	0.9
3.0	ST. CHARLES	88	7.5	26.5	LAWRENCE	10	0.9
4.0	JEFFERSON	56	4.8	26.5	PETTIS	10	0.9
5.0	GREENE	46	3.9	26.5	RAY	10	0.9
6.0	CLAY	43	3.7	26.5	TANEY	10	0.9
7.0	BOONE	42	3.6	26.5	TEXAS	10	0.9
8.0	FRANKLIN	39	3.3				
9.0	JASPER	28	2.4				First Quartile
10.0	COLE	23	2.0				
11.0	BUCHANAN	20	1.7				Second Quartile
12.0	NEWTON	19	1.6	30.5	ADAIR	9	0.8
13.5	CAPE GIRARDEAU	15	1.3	30.5	WEBSTER	9	0.8
13.5	JOHNSON	15	1.3	35.0	BUTLER	8	0.7
15.0	CRAWFORD	14	1.2	35.0	DALLAS	8	0.7
17.0	CALLAWAY	13	1.1	35.0	LACLEDE	8	0.7
17.0	PLATTE	13	1.1	35.0	MC DONALD	8	0.7
17.0	ST. FRANCOIS	13	1.1	35.0	MILLER	8	0.7
20.0	BARRY	12	1.0	35.0	NODAWAY	8	0.7
20.0	LAFAYETTE	12	1.0	35.0	SHANNON	8	0.7
20.0	PHELPS	12	1.0	41.0	BENTON	7	0.6
22.5	CASS	11	0.9	41.0	CHRISTIAN	7	0.6
				41.0	HENRY	7	0.6

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
41.0	HOWELL	7	0.6	79.0	NEW MADRID	3	0.3
41.0	MORGAN	7	0.6	79.0	OZARK	3	0.3
50.0	DUNKLIN	6	0.5	79.0	PEMISCOT	3	0.3
50.0	GASCONADE	6	0.5	79.0	PIKE	3	0.3
50.0	HOWARD	6	0.5	79.0	RALLS	3	0.3
50.0	LINCOLN	6	0.5	79.0	ST. CLAIR	3	0.3
50.0	MISSISSIPPI	6	0.5	79.0	WARREN	3	0.3
50.0	OSAGE	6	0.5				
50.0	PULASKI	6	0.5				Third Quartile
50.0	RIPLEY	6	0.5				
50.0	SALINE	6	0.5				Fourth Quartile
50.0	STODDARD	6	0.5	93.5	ATCHISON	2	0.2
50.0	STONE	6	0.5	93.5	BARTON	2	0.2
50.0	VERNON	6	0.5	93.5	CARROLL	2	0.2
50.0	WAYNE	6	0.5	93.5	CHARITON	2	0.2
			Second Quartile	93.5	CLARK	2	0.2
				93.5	DENT	2	0.2
			Third Quartile	93.5	GENTRY	2	0.2
60.0	BATES	5	0.4	93.5	HARRISON	2	0.2
60.0	BOLLINGER	5	0.4	93.5	HICKORY	2	0.2
60.0	CARTER	5	0.4	93.5	IRON	2	0.2
60.0	DOUGLAS	5	0.4	93.5	MARIES	2	0.2
60.0	MONITEAU	5	0.4	93.5	PUTNAM	2	0.2
60.0	PERRY	5	0.4	93.5	RANDOLPH	2	0.2
60.0	POLK	5	0.4	93.5	STE. GENEVIEVE	2	0.2
68.0	CLINTON	4	0.3	93.5	SHELBY	2	0.2
68.0	DE KALB	4	0.3	93.5	WRIGHT	2	0.2
68.0	LEWIS	4	0.3	107.0	ANDREW	1	0.1
68.0	LINN	4	0.3	107.0	AUDRAIN	1	0.1
68.0	MACON	4	0.3	107.0	CEDAR	1	0.1
68.0	MARION	4	0.3	107.0	DADE	1	0.1
68.0	REYNOLDS	4	0.3	107.0	DAVISS	1	0.1
68.0	SCOTT	4	0.3	107.0	GRUNDY	1	0.1
68.0	WASHINGTON	4	0.3	107.0	LIVINGSTON	1	0.1
79.0	CALDWELL	3	0.3	107.0	MONTGOMERY	1	0.1
79.0	COOPER	3	0.3	107.0	OREGON	1	0.1
79.0	HOLT	3	0.3	107.0	SCHUYLER	1	0.1
79.0	MADISON	3	0.3	107.0	WORTH	1	0.1
79.0	MERCER	3	0.3	114.0	KNOX	0	0.0
79.0	MONROE	3	0.3	114.0	SCOTLAND	0	0.0
				114.0	SULLIVAN	0	0.0

TABLE 3.3.16

2006 YOUNG DRIVER INVOLVED CRASHES

CITY LISTING

RANK	CITY	FREQUENCY	PERCENT ¹
1.0	KANSAS CITY	3,155	10.3
2.0	ST. LOUIS	2,297	7.5
3.0	SPRINGFIELD	2,272	7.4
4.0	COLUMBIA	1,161	3.8
5.0	INDEPENDENCE	1,028	3.3
6.0	LEE'S SUMMIT	757	2.5
7.0	JOPLIN	715	2.3
8.0	ST. JOSEPH	688	2.2
9.0	ST. PETERS	621	2.0
10.0	O'FALLON	572	1.9
11.5	CAPE GIRARDEAU	563	1.8
11.5	ST. CHARLES	563	1.8
13.0	JEFFERSON CITY	443	1.4
14.0	CHESTERFIELD	423	1.4
15.0	BLUE SPRINGS	395	1.3
16.0	FLORISSANT	387	1.3
17.0	KIRKWOOD	331	1.1
18.0	SEDALIA	307	1.0
19.0	CREVE COEUR	302	1.0
20.0	POPLAR BLUFF	294	1.0
21.0	MARYLAND HEIGHTS	283	0.9
22.0	LIBERTY	271	0.9
23.5	ARNOLD	266	0.9
23.5	SUNSET HILLS	266	0.9
25.0	ROLLA	224	0.7
26.0	BRANSON	223	0.7
27.0	TOWN AND COUNTRY	215	0.7
28.0	WARRENSBURG	212	0.7
29.0	BELTON	209	0.7
30.0	BALLWIN	196	0.6
31.0	HAZELWOOD	190	0.6
32.0	BRIDGETON	186	0.6
33.0	LEBANON	185	0.6
34.0	WASHINGTON	169	0.6
35.0	RICHMOND HEIGHTS	165	0.5
36.0	WENTZVILLE	164	0.5
37.0	RAYTOWN	162	0.5
38.0	HANNIBAL	161	0.5
39.0	GLADSTONE	160	0.5
40.0	JACKSON	159	0.5
41.0	WEBSTER GROVES	155	0.5
42.0	UNIVERSITY CITY	149	0.5
43.0	WEST PLAINS	145	0.5
44.0	FESTUS	144	0.5
45.0	SIKESTON	143	0.5
46.5	ELLISVILLE	142	0.5
46.5	MOBERLY	142	0.5
48.0	WILDWOOD	141	0.5

¹Percentage is based on young driver 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 3.3.17

**MISSOURI FATAL AND PERSONAL INJURY YOUNG DRIVER INVOLVED CRASHES
ANNUAL TIME SERIES**

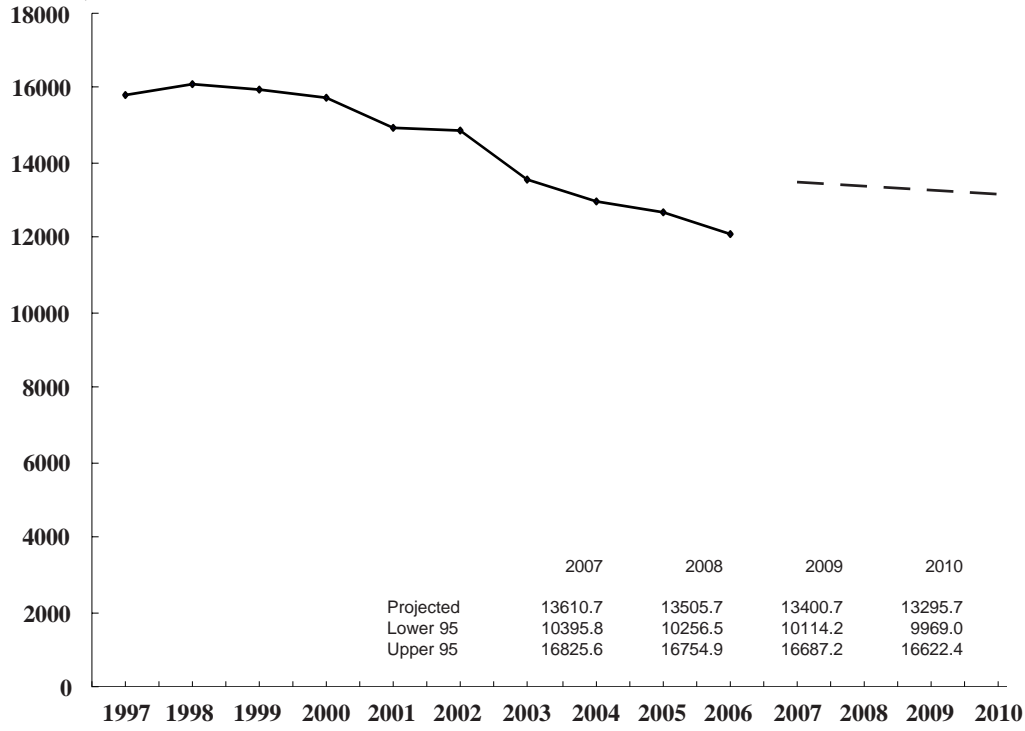


FIGURE 3.3.4

3.4 OLDER DRIVER INVOLVEMENT

This section presents a series of data displays which describe older driver involvement in Missouri's traffic crash experience. Older driver traffic crashes are defined as any crash in which one or more drivers of motorized vehicles directly involved in the traffic crash were 55 years or older. Data displays also are provided which identify characteristics of these older drivers.

2006 SUMMARY ANALYSIS

- Of all 2006 Missouri traffic crashes, 29.4% involved an older driver. Of all fatal traffic crashes, 29.0% involved an older driver. A total of 314 persons were killed and 17,166 were injured in traffic crashes involving older drivers.
- There was a decrease of 1.1% in the rate of change when comparing 2006 older driver traffic crashes with those in 2005. There was a decrease of 16.3% when comparing 2006 fatal older driver traffic crashes with 2005.
- In 2006, one person was killed or injured in older driver related traffic crashes every 30.1 minutes in the State of Missouri.
- Of all older driver related traffic crashes, the first harmful event in 84.2% of the incidents involved one motor vehicle in transport striking another motor vehicle in transport. In older driver fatal traffic crashes, 63.9% involved one motor vehicle in transport striking another motor vehicle in transport and 20.9% of the cases involved a motor vehicle striking a fixed object.
- Of all 2006 older driver crashes, 67.9% occurred in an urban area and 32.1% occurred in a rural area of the State. However, 73.6% of the fatal older driver crashes occurred in a rural area.
- Of all older driver traffic crashes, 86.7% occurred from 7:00 A.M. through 6:59 P.M.
- Of all older drivers involved in traffic crashes, 57.8% were male and 42.2% were female. The average age of older drivers (55 years and older) was 65.9 years.
- Of the older drivers, 88.4% had a Missouri driver's license, 10.9% had an out-of-state driver's license, and 0.7% were unlicensed at the time of the crash.
- Of the older drivers, 55.8% were driving an automobile and 17.3% were driving a pickup truck at the time of the crash.

2006 MISSOURI TRAFFIC CRASHES

OLDER DRIVER INVOLVEMENT

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	TOTAL NUMBER¹ KILLED	INJURED	OLDER DRIVERS² KILLED	INJURED
OLDER DRIVER INVOLVED	277	29.0	11,230	28.0	31,876	29.9	43,383	29.4	314	17,166	188	7,149
NO OLDER DRIVER INVOLVED	678	71.0	28,952	72.0	74,798	70.1	104,428	70.6	765	42,314	-	-
UNKNOWN ³	16	-	1,956	-	17,360	-	19,332	-	17	2,598	-	-
TOTAL	971	100.0	42,138	100.0	124,034	100.0	167,143	100.0	1,096	62,078	188	7,149

¹This statistic indicates the total number of persons killed and injured in a crash where one or more older drivers were involved.

²This statistic indicates the number of older drivers killed and injured.

³Crashes were classified as unknown if the following conditions exist: none of the known drivers involved in the accident was 55 years of age and older and the ages of one or more drivers involved in the crash was not known.

TABLE 3.4.1

2005 and 2006 OLDER DRIVER INVOLVED CRASH ANALYSIS

	2005	2006	RATE OF CHANGE
FATAL	331	277	- 16.3
PERSONAL INJURY	11,590	11,230	- 3.1
PROPERTY DAMAGE	31,953	31,876	- 0.2
TOTAL	43,874	43,383	- 1.1

TABLE 3.4.2

2006 OLDER DRIVER INVOLVED CRASHES

CRASH TYPE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
ANIMAL	0	0.0	61	0.5	648	2.0	709	1.6
BICYCLIST	1	0.4	98	0.9	33	0.1	132	0.3
FIXED OBJECT	58	20.9	1,248	11.1	2,016	6.3	3,322	7.7
OTHER OBJECT	1	0.4	31	0.3	277	0.9	309	0.7
PEDESTRIAN	7	2.5	186	1.7	19	0.1	212	0.5
TRAIN	2	0.7	7	0.1	9	0.0	18	0.0
VEHICLE IN TRANSPORT	177	63.9	9,166	81.6	27,181	85.3	36,524	84.2
VEHICLE ON OTHER ROADWAY	5	1.8	25	0.2	75	0.2	105	0.2
PARKED VEHICLE	4	1.4	95	0.9	1,323	4.2	1,422	3.3
NONCOLLISION OVERTURN	19	6.9	276	2.5	132	0.4	427	1.0
NONCOLLISION OTHER	3	1.1	37	0.3	163	0.5	203	0.5
TOTAL	277	100.0	11,230	100.0	31,876	100.0	43,383	100.0

TABLE 3.4.3

2006 OLDER DRIVER INVOLVED CRASHES

AREA CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
URBAN	73	26.4	7,316	65.2	22,057	69.2	29,446	67.9
RURAL	204	73.6	3,914	34.8	9,819	30.8	13,937	32.1
TOTAL	277	100.0	11,230	100.0	31,876	100.0	43,383	100.0

TABLE 3.4.4

2006 OLDER DRIVER INVOLVED CRASHES

ROAD CURVATURE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
STRAIGHT	213	76.9	9,721	87.0	27,395	88.9	37,329	88.3
CURVE	64	23.1	1,457	13.0	3,432	11.1	4,953	11.7
UNKNOWN	0	-	52	-	1,049	-	1,101	-
TOTAL	277	100.0	11,230	100.0	31,876	100.0	43,383	100.0

TABLE 3.4.5

2006 OLDER DRIVER INVOLVED CRASHES

ROAD INCLINE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
LEVEL	141	51.1	7,578	68.2	22,335	73.0	30,054	71.6
HILL	126	45.6	3,269	29.4	7,583	24.8	10,978	26.1
CREST	9	3.3	267	2.4	683	2.2	959	2.3
UNKNOWN	1	-	116	-	1,275	-	1,392	-
TOTAL	277	100.0	11,230	100.0	31,876	100.0	43,383	100.0

TABLE 3.4.6

2006 OLDER DRIVER INVOLVED CRASHES

ROAD CONDITIONS BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRY	233	84.4	9,515	85.2	26,791	84.6	36,539	85.8
WET	35	12.7	1,509	13.5	4,387	13.9	5,931	13.8
SNOW	5	1.8	76	0.7	234	0.7	315	0.7
ICE	3	1.1	58	0.5	207	0.7	268	0.6
SLUSH	0	0.0	8	0.1	35	0.1	43	0.1
MUD	0	0.0	1	0.0	3	0.0	4	0.0
STANDING WATER	0	0.0	2	0.0	8	0.0	10	0.0
MOVING WATER	0	0.0	0	0.0	3	0.0	3	0.0
UNKNOWN	1	-	61	-	208	-	270	-
TOTAL	227	100.0	11,230	100.0	31,876	100.0	43,383	100.0

TABLE 3.4.7

2006 OLDER DRIVER INVOLVED CRASHES

HIGHWAY CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	42	15.2	1,165	10.4	3,584	11.2	4,791	11.0
U.S. HIGHWAY	73	26.4	1,484	13.2	3,430	10.8	4,987	11.5
STATE NUMBERED	71	25.6	2,248	20.0	5,322	16.7	7,641	17.6
SINGLE STATE LETTERED	21	7.6	644	5.7	1,231	3.9	1,896	4.4
DOUBLE STATE LETTERED	10	3.6	284	2.5	639	2.0	933	2.2
OUTER ROAD	1	0.4	94	0.8	241	0.8	336	0.8
COUNTY ROAD	19	6.9	723	6.4	1,947	6.1	2,689	6.2
CITY STREET	36	13.0	4,133	36.8	13,911	43.6	18,080	41.7
INTERSTATE LOOP	1	0.4	63	0.6	196	0.6	260	0.6
OTHER ¹	3	1.1	392	3.5	1,375	4.3	1,770	4.1
TOTAL	277	100.0	11,230	100.0	31,876	100.0	43,383	100.0

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

TABLE 3.4.8

2006 OLDER DRIVER INVOLVED CRASHES

HIGHWAY CLASSIFICATION BY AREA CLASSIFICATION AND CRASH SEVERITY

	URBAN						RURAL									
	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	16	21.9	774	10.6	2,212	10.0	3,002	10.2	26	12.8	391	10.0	1,372	14.0	1,789	12.8
U.S. HIGHWAY	10	13.7	697	9.5	1,814	8.2	2,521	8.6	63	30.9	787	20.1	1,616	16.5	2,466	17.7
STATE NUMBERED	11	15.1	1,111	15.2	2,932	13.3	4,054	13.8	60	29.4	1,137	29.1	2,390	24.3	3,587	25.7
SINGLE STATE LETTERED	1	1.4	152	2.1	434	2.0	587	2.0	20	9.8	492	12.6	797	8.1	1,309	9.4
DOUBLE S STATE LETTERED	3	4.1	114	1.6	307	1.4	424	1.4	7	3.4	170	4.3	332	3.4	509	3.7
OUTER ROAD	0	0.0	64	0.9	157	0.7	221	0.8	1	0.5	30	0.8	84	0.9	115	0.8
COUNTY ROAD	1	1.4	212	2.9	662	3.0	875	3.0	18	8.8	511	13.1	1,285	13.1	1,814	13.0
CITY STREET	30	41.1	3,842	52.5	12,381	56.1	16,253	55.2	6	2.9	291	7.4	1,530	15.6	1,827	13.1
INTERSTATE LOOP	0	0.0	51	0.7	166	0.8	217	0.7	1	0.5	12	0.3	30	0.3	43	0.3
OTHER ¹	1	1.4	299	4.1	992	4.5	1,292	4.4	2	1.0	93	2.4	383	3.9	478	3.4
TOTAL	73	100.0	7,316	100.0	22,057	100.0	29,446	100.0	204	100.0	3,914	100.0	9,819	100.0	13,937	100.0

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

TABLE 3.4.9

**2006 MISSOURI OLDER DRIVER INVOLVED CRASHES
MONTH OF YEAR**

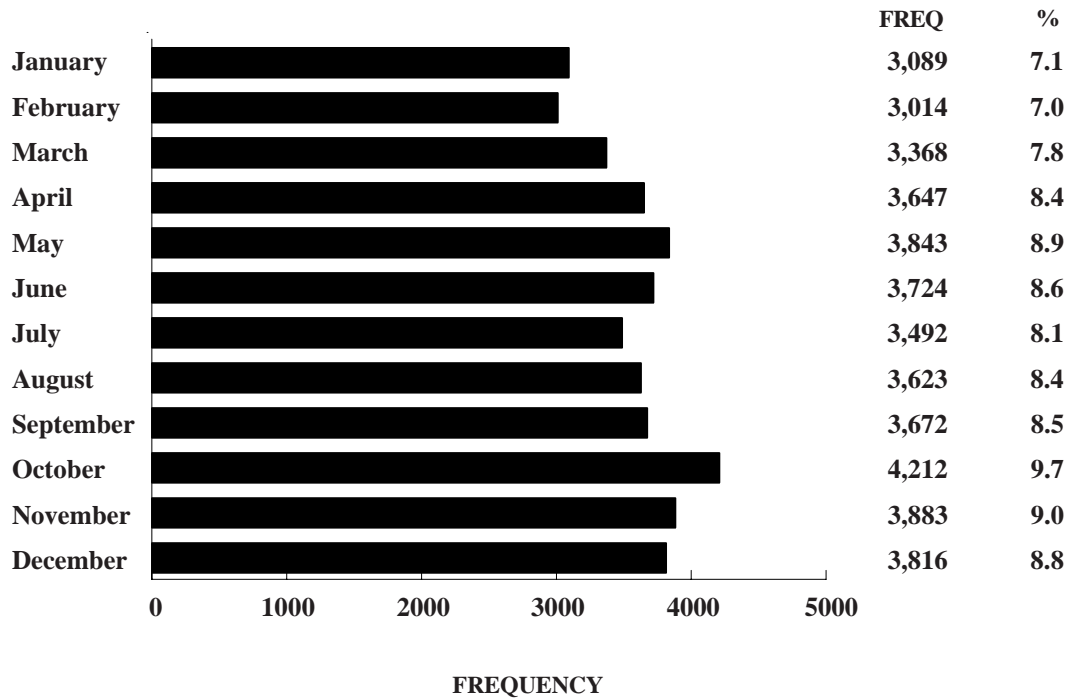
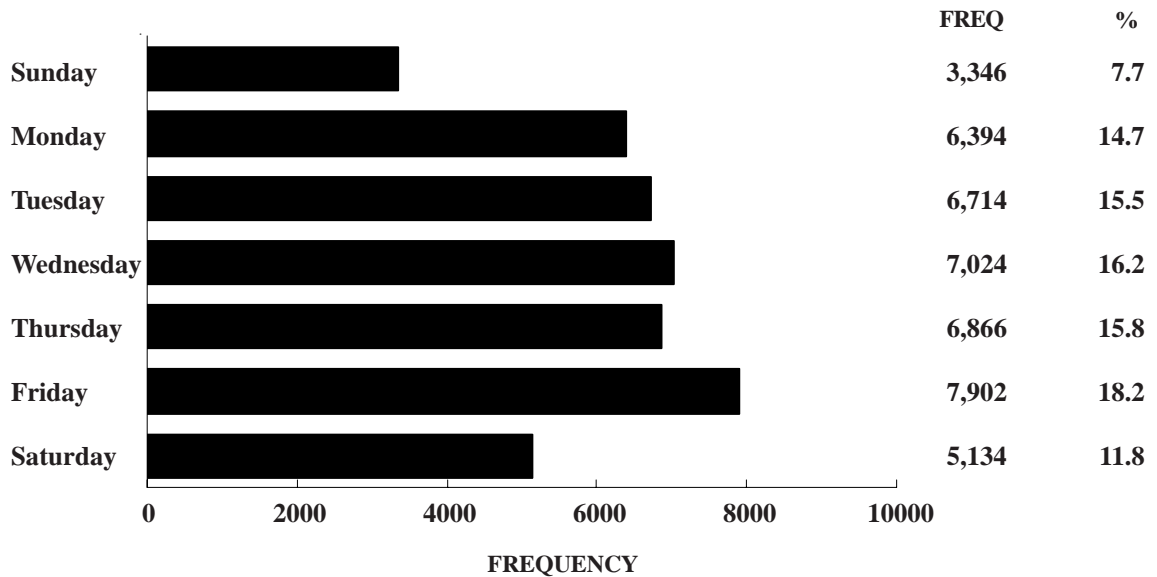


FIGURE 3.4.1

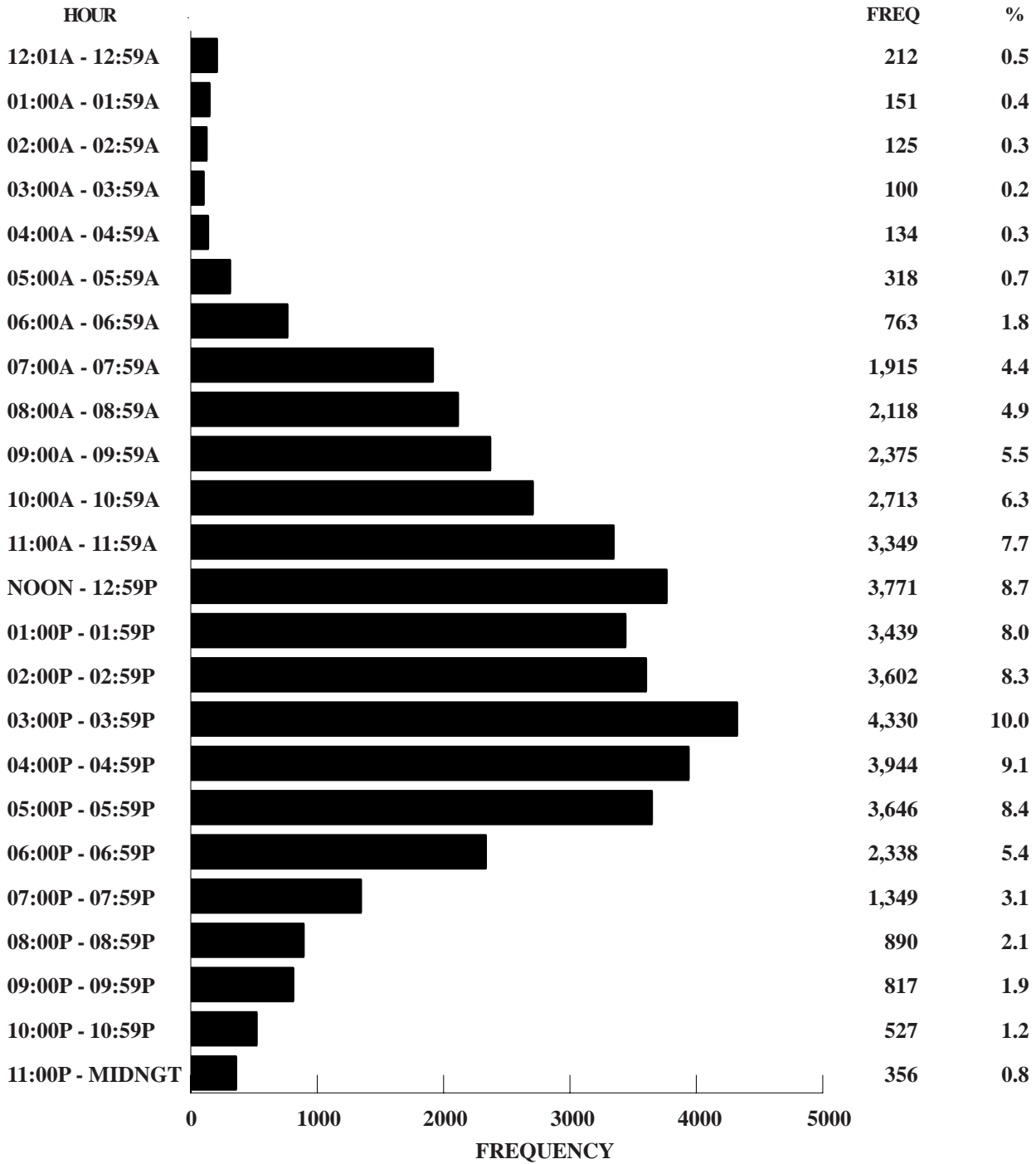
**2006 MISSOURI OLDER DRIVER INVOLVED CRASHES
DAY OF WEEK**



Unknown Data Not Included

FIGURE 3.4.2

**2006 MISSOURI OLDER DRIVER INVOLVED CRASHES
 HOUR OF DAY**



Unknown Data Not Included

FIGURE 3.4.3

2006 MISSOURI OLDER DRIVER CRASHES

TYPE OF CIRCUMSTANCE INVOLVED BY CRASH SEVERITY AND PERSON CLASSIFICATION¹

FATAL OLDER DRIVER CRASHES = 277				TOTAL OLDER DRIVER CRASHES = 43,383		
	OLDER DRIVER/ VEHICLE	OTHER DRIVER/ VEHICLE/PED.	TOTAL FATAL	OLDER DRIVER/ VEHICLE	OTHER DRIVER/ VEHICLE/PED.	TOTAL CRASHES
VEHICLE DEFECTS	0.7	1.1	1.8	1.4	1.1	2.4
TRAFFIC CONTROL INOPERATIVE / MISSING	0.0	0.0	0.0	0.2	0.1	0.2
IMPROPERLY STOPPED ON ROADWAY	0.7	0.0	0.7	0.3	0.3	0.6
EXCEEDING SPEED LIMIT / TOO FAST FOR CONDITIONS	13.4	11.9	24.9	4.4	4.8	9.1
IMPROPER PASSING	1.1	1.8	2.9	0.8	1.0	1.8
VIOLATION OF STOP SIGN	5.4	5.1	10.5	2.9	2.7	5.4
WRONG SIDE NOT PASSING	7.2	6.1	13.3	0.9	0.9	1.7
FOLLOWING TOO CLOSE	1.1	3.2	4.3	7.3	10.6	17.6
IMPROPER SIGNAL	0.0	0.0	0.0	0.1	0.1	0.2
IMPROPER BACKING	0.0	0.4	0.4	2.6	1.1	3.6
IMPROPER TURN	2.2	0.4	2.5	2.8	1.7	4.4
IMPROPER LANE USAGE / CHANGE	11.6	4.7	15.9	5.9	3.8	9.4
WRONG WAY ONE-WAY STREET	0.0	0.7	0.7	0.1	0.1	0.2
IMPROPER START FROM PARK	0.0	0.0	0.0	0.2	0.1	0.3
IMPROPERLY PARKED	0.0	0.0	0.0	0.1	0.3	0.3
FAILED TO YIELD	20.9	6.5	27.4	15.0	9.9	24.6
DRINKING	5.8	5.1	10.8	1.1	0.7	1.8
DRUGS	0.7	2.5	3.2	0.1	0.1	0.2
PHYSICAL IMPAIRMENT	6.9	0.4	7.2	2.0	0.3	2.3
INATTENTION	14.4	9.4	23.8	17.2	14.4	30.3

¹This table identifies the percentage of older driver crashes having a specific type of circumstance which contributed to the cause of the crash. This table further defines the percentage of crashes where the contributing circumstance was associated with the older driver or his vehicle as well as those attributed to other persons and vehicles in the crash. For instance, when examining speed involvement in 2006 Missouri fatal older driver crashes, it was found that an older driver was speeding in 13.4% of the crashes. In 11.9% of the crashes another driver was speeding. In 24.9% of the crashes either an older driver, another driver, or both drivers were speeding.

TABLE 3.4.10

OLDER DRIVERS IN 2006 MISSOURI CRASHES

SEX OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MALE	226	70.0	7,191	57.0	20,042	58.0	27,459	57.8
FEMALE	97	30.0	5,436	43.0	14,532	42.0	20,065	42.2
UNKNOWN	0	-	0	-	633	-	633	-
TOTAL	323	100.0	12,627	100.0	35,207	100.0	48,157	100.0

TABLE 3.4.11

OLDER DRIVERS IN 2006 MISSOURI CRASHES

AGE OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AVERAGE AGE OF OLDER DRIVER¹	67.0	-	65.9	-	65.8	-	65.9	-
55 - 59 YEARS	99	30.7	4,008	31.7	11,436	32.5	15,543	32.3
60 - 64 YEARS	57	17.7	2,767	21.9	7,529	21.4	10,353	21.5
65 - 69 YEARS	51	15.8	1,870	14.8	5,367	15.2	7,288	15.1
70 - 74 YEARS	43	13.3	1,516	12.0	4,026	11.4	5,585	11.6
75 YEARS AND OVER	73	22.6	2,466	19.5	6,849	19.5	9,388	19.5
TOTAL	323	100.0	12,627	100.0	35,207	100.0	48,157	100.0

¹ Average age is based on only drivers 55 years of age and over.

TABLE 3.4.12

OLDER DRIVERS IN 2006 MISSOURI CRASHES

DRIVER'S LICENSE STATE AND TYPE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MISSOURI								
LEARNER'S PERMIT	0	0.0	4	0.0	9	0.0	13	0.0
OPERATOR'S LICENSE	214	66.9	10,276	82.5	27,324	80.6	37,814	81.0
MOTORCYCLE ONLY	0	0.0	0	0.0	2	0.0	2	0.0
COMERCIAL DRIVER'S LICENSE	37	11.6	808	6.5	2,586	7.6	3,431	7.4
SUBTOTAL	251	78.4	11,088	89.1	29,921	88.3	41,260	88.4
OUT STATE								
LEARNER'S PERMIT	0	0.0	0	0.0	1	0.0	1	0.0
OPERATOR'S LICENSE	39	12.2	1,047	8.4	2,876	8.5	3,962	8.5
MOTORCYCLE ONLY	0	0.0	0	0.0	1	0.0	1	0.0
COMMERCIAL DRIVER'S LICENSE	22	6.9	212	1.7	887	2.6	1,121	2.4
SUBTOTAL	61	19.1	1,259	10.1	3,765	11.1	5,085	10.9
UNLICENSED	8	2.5	104	0.8	203	0.6	315	0.7
UNKNOWN	3	-	176	-	1,318	-	1,497	-
TOTAL	323	100.0	12,627	100.0	35,207	100.0	48,157	100.0

TABLE 3.4.13

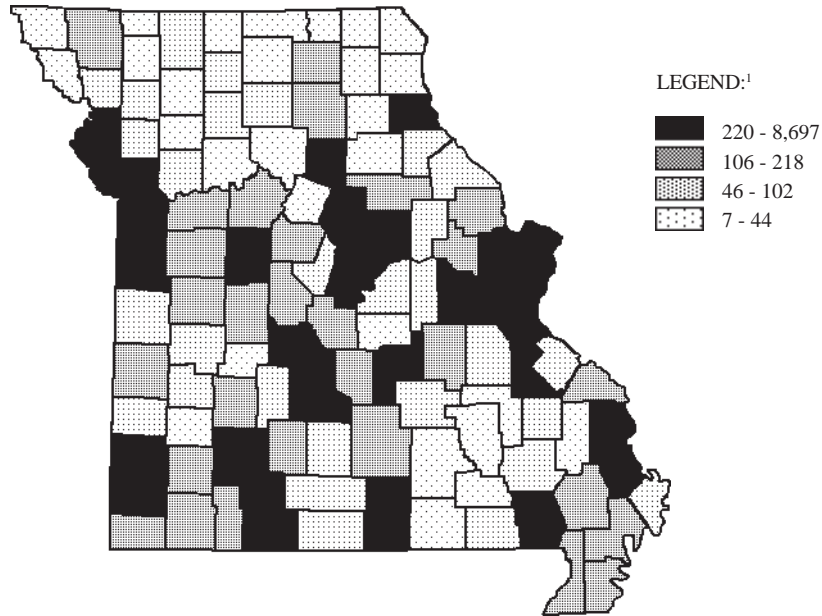
OLDER DRIVERS IN 2006 MISSOURI CRASHES
TYPE OF VEHICLE DRIVEN BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AUTOMOBILE	149	46.1	7,120	56.5	19,542	55.6	26,811	55.8
SPORT UTILITY VEHICLE	39	12.1	1,383	11.0	3,823	10.9	5,245	10.9
LIMOUSINE	0	0.0	1	0.0	12	0.0	13	0.0
VAN	19	5.9	1,153	9.1	3,041	8.7	4,213	8.8
BUS	3	0.9	59	0.5	267	0.8	329	0.7
SCHOOL BUS	0	0.0	41	0.3	253	0.7	294	0.6
MOTORCYCLE	11	3.4	279	2.2	53	0.2	343	0.7
MOPED	0	0.0	11	0.1	2	0.0	13	0.0
MOTOR HOME / CAMPER	0	0.0	18	0.1	90	0.3	108	0.2
FARM EQUIPMENT	2	0.6	19	0.2	37	0.1	58	0.1
CONSTRUCTION EQUIPMENT	0	0.0	3	0.0	17	0.1	20	0.0
OTHER TRANSPORT DEVICE	2	0.6	18	0.1	46	0.1	66	0.1
PICKUP TRUCK	56	17.3	2,032	16.1	6,235	17.7	8,323	17.3
OTHER TRUCKS	41	12.7	457	3.6	1,722	4.9	2,220	4.6
ALL TERRAIN VEHICLE	1	0.3	17	0.1	3	0.0	21	0.0
UNKNOWN	0	-	16	-	64	-	80	-
TOTAL	323	100.0	12,627	100.0	35,207	100.0	48,157	100.0

TABLE 3.4.14

2006 OLDER DRIVER INVOLVED CRASHES

COUNTY QUARTILE ANALYSIS



¹LEGEND CATEGORIES ARE BASED ON QUARTILES OF COUNTIES.

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
1.0	ST. LOUIS	8,697	20.0	22.0	NEWTON	343	0.8
2.0	JACKSON	5,825	13.4	23.0	LACLEDE	304	0.7
3.0	ST. LOUIS CITY	3,157	7.3	24.0	CHRISTIAN	303	0.7
4.0	GREENE	2,615	6.0	25.0	SCOTT	293	0.7
5.0	ST. CHARLES	2,107	4.9	26.0	HOWELL	276	0.6
6.0	CLAY	1,419	3.3	27.0	CALLAWAY	244	0.6
7.0	JEFFERSON	1,215	2.8	28.0	RANDOLPH	221	0.5
8.0	JASPER	970	2.2	29.0	MARION	220	0.5
9.0	BOONE	950	2.2				First Quartile
10.0	CAPE GIRARDEAU	850	2.0				
11.0	BUCHANAN	742	1.7				Second Quartile
12.0	FRANKLIN	734	1.7	30.0	DUNKLIN	218	0.5
13.0	TANEY	712	1.6	31.0	LAWRENCE	214	0.5
14.0	PLATTE	574	1.3	32.5	BARRY	210	0.5
15.0	COLE	513	1.2	32.5	JOHNSON	210	0.5
16.0	PHELPS	503	1.2	34.0	PULASKI	207	0.5
17.0	BUTLER	470	1.1	35.0	CRAWFORD	200	0.5
18.0	CASS	454	1.0	36.0	LINCOLN	191	0.4
19.0	ST. FRANCOIS	419	1.0	37.0	POLK	185	0.4
20.0	PETTIS	386	0.9	38.0	LAFAYETTE	184	0.4
21.0	CAMDEN	375	0.9	39.0	STONE	176	0.4

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
40.0	WARREN	175	0.4	77.5	RALLS	62	0.1
41.0	STODDARD	162	0.4	79.0	MADISON	61	0.1
42.0	WEBSTER	161	0.4	80.5	CEDAR	60	0.1
43.0	HENRY	155	0.4	80.5	DOUGLAS	60	0.1
44.5	COOPER	153	0.4	82.0	OSAGE	58	0.1
44.5	MILLER	153	0.4	83.0	ST. CLAIR	57	0.1
46.0	AUDRAIN	148	0.3	84.0	BARTON	52	0.1
47.0	PEMISCOT	145	0.3	85.0	HARRISON	51	0.1
48.0	SALINE	143	0.3	86.0	WAYNE	49	0.1
49.0	ADAIR	138	0.3	87.0	OZARK	46	0.1
50.0	NEW MADRID	134	0.3				
51.5	MORGAN	132	0.3				Third Quartile
51.5	PERRY	132	0.3				
53.0	BENTON	126	0.3				Fourth Quartile
54.0	VERNON	122	0.3	88.0	OREGON	44	0.1
55.0	MACON	112	0.3	89.5	BOLLINGER	41	0.1
56.5	NODAWAY	111	0.3	89.5	MARIES	41	0.1
56.5	TEXAS	111	0.3	91.0	CHARITON	40	0.1
58.0	MC DONALD	106	0.2	92.0	HOWARD	38	0.1
			Second Quartile	93.0	LEWIS	36	0.1
				94.0	IRON	35	0.1
			Third Quartile	95.5	CALDWELL	32	0.1
59.0	LIVINGSTON	102	0.2	95.5	HICKORY	32	0.1
60.0	WRIGHT	97	0.2	97.5	CLARK	31	0.1
61.0	DALLAS	92	0.2	97.5	SHANNON	31	0.1
62.0	RAY	90	0.2	99.5	DAVISS	30	0.1
63.5	CLINTON	89	0.2	99.5	MONROE	30	0.1
63.5	WASHINGTON	89	0.2	101.5	CARROLL	29	0.1
65.0	MONTGOMERY	87	0.2	101.5	HOLT	29	0.1
66.5	DE KALB	84	0.2	104.5	CARTER	27	0.1
66.5	STE. GENEVIEVE	84	0.2	104.5	GENTRY	27	0.1
68.0	BATES	82	0.2	104.5	PUTNAM	27	0.1
69.0	PIKE	79	0.2	104.5	REYNOLDS	27	0.1
70.5	DENT	78	0.2	107.0	SHELBY	23	0.1
70.5	GASCONADE	78	0.2	108.0	SULLIVAN	22	0.1
72.0	ANDREW	77	0.2	109.0	DADE	21	0.0
73.0	MONTEAU	75	0.2	110.0	SCOTLAND	20	0.0
74.0	MISSISSIPPI	68	0.2	111.0	ATCHISON	19	0.0
75.0	RIPLEY	66	0.2	112.0	KNOX	14	0.0
76.0	LINN	64	0.1	113.5	MERCER	13	0.0
77.5	GRUNDY	62	0.1	113.5	SCHUYLER	13	0.0
				115.0	WORTH	7	0.0

TABLE 3.4.15

2006 OLDER DRIVER INVOLVED CRASHES

CITY LISTING

RANK	CITY	FREQUENCY	PERCENT ¹
1.0	KANSAS CITY	4,360	13.1
2.0	ST. LOUIS	3,157	9.5
3.0	SPRINGFIELD	2,249	6.8
4.0	INDEPENDENCE	1,052	3.2
5.0	COLUMBIA	794	2.4
6.0	ST. JOSEPH	695	2.1
7.0	JOPLIN	682	2.1
8.0	CAPE GIRARDEAU	600	1.8
9.0	FLORISSANT	557	1.7
10.0	ST. CHARLES	541	1.6
11.0	CREVE COEUR	501	1.5
12.0	LEE'S SUMMIT	489	1.5
13.0	ST. PETERS	488	1.5
14.0	CHESTERFIELD	450	1.4
15.0	JEFFERSON CITY	434	1.3
16.0	O'FALLON	407	1.2
17.0	BRANSON	404	1.2
18.0	MARYLAND HEIGHTS	382	1.2
19.0	KIRKWOOD	368	1.1
20.0	POPLAR BLUFF	341	1.0
21.0	ROLLA	301	0.9
22.0	SEDALIA	293	0.9
23.0	TOWN AND COUNTRY	277	0.8
24.0	SUNSET HILLS	274	0.8
25.0	BLUE SPRINGS	268	0.8
26.0	RICHMOND HEIGHTS	242	0.7
27.5	BRIDGETON	225	0.7
27.5	HAZELWOOD	225	0.7
29.0	UNIVERSITY CITY	222	0.7
30.5	ARNOLD	214	0.6
30.5	LIBERTY	214	0.6
32.0	CLAYTON	208	0.6
33.5	LEBANON	196	0.6
33.5	RAYTOWN	196	0.6
35.0	GLADSTONE	194	0.6
36.0	WEBSTER GROVES	185	0.6
37.0	MOBERLY	178	0.5
38.5	FARMINGTON	176	0.5
38.5	SIKESTON	176	0.5
40.0	BALLWIN	165	0.5
41.0	WASHINGTON	158	0.5
42.0	WENTZVILLE	157	0.5
43.0	BELTON	154	0.5
44.0	WEST PLAINS	153	0.5
45.0	DES PERES	152	0.5

¹Percentage is based on young driver 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 3.4.16

**MISSOURI FATAL AND PERSONAL INJURY OLDER DRIVER INVOLVED CRASHES
ANNUAL TIME SERIES**

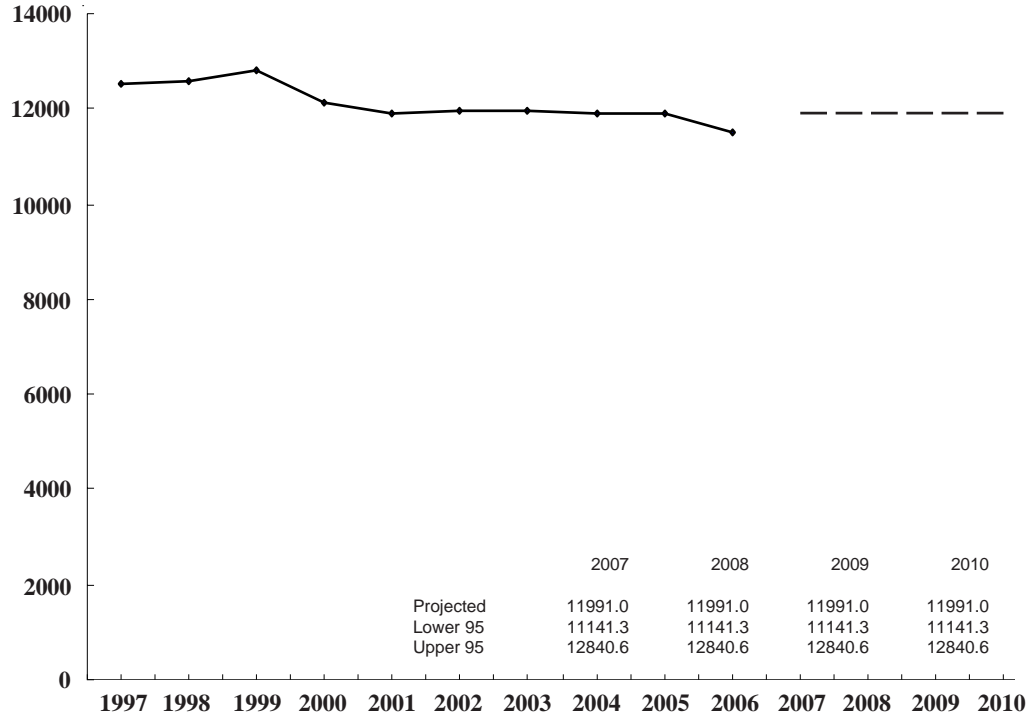


FIGURE 3.4.4

3.5 COMMERCIAL MOTOR VEHICLE INVOLVEMENT

This section presents a series of data displays which identify commercial motor vehicle involvement in Missouri's traffic crash activity. Commercial motor vehicle traffic crashes are defined as any crash in which one or more commercial motor vehicles were directly involved in the incident. Commercial motor vehicles include trucks having a Gross Vehicle Weight Rating of 10,001 pounds or more, buses or school buses having occupant capacities of 16 or more, and vehicles displaying hazardous material placards. This is a change to the definition used in previous editions of the Compendium. Comparisons to previous years may not be appropriate. Data displays also are provided which describe characteristics of the commercial motor vehicle drivers in these traffic crashes.

2006 SUMMARY ANALYSIS

- Of all 2006 Missouri traffic crashes, 10.3% involved a commercial motor vehicle. Of all fatal traffic crashes, 15.7% involved a commercial motor vehicle. A total of 191 persons were killed and 4,857 were injured in commercial motor vehicle crashes.
- There was a decrease of 5.0% in the rate of change when comparing all 2006 commercial motor vehicle related traffic crash activity with that in 2005. There was a decrease of 15.6% when comparing 2006 fatal commercial motor vehicle traffic crashes with 2005.
- In 2006, one person was killed or injured in a commercial motor vehicle related crash every 1.7 hours in the State of Missouri.
- Of all 2006 commercial motor vehicle crashes, the first harmful event in 71.3% of the cases involved one motor vehicle in transport striking another motor vehicle in transport. In 13.4% of the cases, it involved a motor vehicle striking a fixed object.
- Of all 2006 commercial motor vehicle involved crashes, 58.9% occurred in an urban area of the State and 41.1% occurred in a rural area. However, in those cases where commercial motor vehicles were involved in fatal crashes 75.0% occurred in rural area.
- Of all commercial motor vehicles in 2006 traffic crashes, 38.1% were non-placarded truck-tractors with one unit, 29.3% were non-placarded single unit trucks, and 3.9% were non-placarded school buses.
- Of all commercial motor vehicle drivers in 2006 traffic crashes, 90.5% were male and 9.5% were female. The average age of commercial motor vehicle drivers was 42.8 years.
- Of all commercial motor vehicle drivers in these crashes, 69.2% had a Missouri driver's license, 30.1% had an out-of-state driver's license, and 0.7% were unlicensed at the time of the traffic crash.

2006 MISSOURI TRAFFIC CRASHES

COMMERCIAL MOTOR VEHICLE INVOLVEMENT

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	TOTAL NUMBER¹ KILLED	COMM. MOTOR VEH. DRIVERS/PASSENGERS² KILLED
COMMERCIAL MOTOR VEHICLE INVOLVED	152	15.7	3,182	7.6	13,356	11.2	16,690	10.3	191	30
NO COMMERCIAL MOTOR VEHICLE INVOLVED	815	84.3	38,723	92.4	106,303	88.8	145,841	89.7	901	-
UNKNOWN ³	4	-	233	-	4,375	-	4,612	-	4	-
TOTAL	971	100.0	42,138	100.0	124,034	100.0	167,143	100.0	1,096	30

¹This statistic indicates the total number of persons killed and injured in a crash where one or more commercial motor vehicles were involved.

²This statistic indicates the number of commercial motor vehicle drivers and passengers killed and injured.

³Crashes were classified as unknown if the following conditions exist: none of the vehicles involved in the crash was a commercial motor vehicle and the body type of one or more vehicles involved in the crash was not known.

TABLE 3.5.1

2005 and 2006 COMMERCIAL MOTOR VEHICLE INVOLVED CRASH ANALYSIS

	2005	2006	RATE OF CHANGE
FATAL	180	152	- 15.6
PERSONAL INJURY	3,609	3,182	- 11.8
PROPERTY DAMAGE	13,784	13,356	- 3.1
TOTAL	17,573	16,690	- 5.0

TABLE 3.5.2

2006 COMMERCIAL MOTOR VEHICLE INVOLVED CRASHES

CRASH TYPE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
ANIMAL	0	0.0	8	0.3	194	1.5	202	1.2
BICYCLIST	3	2.0	7	0.2	6	0.0	16	0.1
FIXED OBJECT	21	13.8	359	11.3	1,852	13.9	2,232	13.4
OTHER OBJECT	1	0.7	18	0.6	166	1.2	185	1.1
PEDESTRIAN	9	5.9	42	1.3	3	0.0	54	0.3
TRAIN	0	0.0	2	0.1	8	0.1	10	0.1
VEHICLE IN TRANSPORT	99	65.1	2,401	75.5	9,396	70.4	11,896	71.3
VEHICLE ON OTHER ROADWAY	5	3.3	17	0.5	38	0.3	60	0.4
PARKED VEHICLE	5	3.3	80	2.5	1,216	9.1	1,301	7.8
NONCOLLISION OVERTURN	8	5.3	214	6.7	260	2.0	482	2.9
NONCOLLISION OTHER	1	0.7	34	1.1	217	1.6	252	1.5
TOTAL	152	100.0	3,182	100.0	13,356	100.0	16,690	100.0

TABLE 3.5.3

2006 COMMERCIAL MOTOR VEHICLE INVOLVED CRASHES

AREA CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
URBAN	38	25.0	1,681	52.8	8,107	60.7	9,826	58.9
RURAL	114	75.0	1,501	47.2	5,249	39.3	6,864	41.1
TOTAL	152	100.0	3,182	100.0	13,356	100.0	16,690	100.0

TABLE 3.5.4

2006 COMMERCIAL MOTOR VEHICLE INVOLVED CRASHES

ROAD CURVATURE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
STRAIGHT	121	79.6	2,656	83.8	11,274	87.2	14,051	86.4
CURVE	31	20.4	515	16.2	1,662	12.8	2,208	13.6
UNKNOWN	0	-	11	-	420	-	431	-
TOTAL	152	100.0	3,182	100.0	13,356	100.0	16,690	100.0

TABLE 3.5.5

2006 COMMERCIAL MOTOR VEHICLE INVOLVED CRASHES

ROAD INCLINE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
LEVEL	72	47.4	2,045	64.8	9,056	70.5	11,173	69.2
HILL	77	50.6	1,027	32.6	3,535	27.5	4,639	28.7
CREST	3	2.0	82	2.6	253	2.0	338	2.1
UNKNOWN	0	-	28	-	512	-	540	-
TOTAL	152	100.0	3,182	100.0	13,356	100.0	16,690	100.0

TABLE 3.5.6

2006 COMMERCIAL MOTOR VEHICLE INVOLVED CRASHES

ROAD CONDITIONS BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRY	131	86.2	2,641	83.3	11,312	85.3	14,084	84.9
WET	16	10.5	469	14.8	1,625	12.3	2,110	12.7
SNOW	2	1.3	27	0.9	160	1.2	189	1.1
ICE	3	2.0	23	0.7	134	1.0	160	1.0
SLUSH	0	0.0	6	0.2	22	0.2	28	0.2
MUD	0	0.0	3	0.1	3	0.0	6	0.0
STANDING WATER	0	0.0	0	0.0	3	0.0	3	0.0
MOVING WATER	0	0.0	0	0.0	3	0.0	3	0.0
UNKNOWN	0	-	13	-	94	-	107	-
TOTAL	152	100.0	3,182	100.0	13,356	100.0	16,690	100.0

TABLE 3.5.7

2006 COMMERCIAL MOTOR VEHICLE INVOLVED CRASHES

HIGHWAY CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	45	29.6	829	26.1	3,212	24.1	4,086	24.5
U.S. HIGHWAY	44	29.0	506	15.9	1,502	11.3	2,052	12.3
STATENUMBERED	26	17.1	537	16.9	1,719	12.9	2,282	13.7
SINGLESTATELETTERED	11	7.2	192	6.0	489	3.7	692	4.2
DOUBLESTATELETTERED	3	2.0	93	2.9	219	1.6	315	1.9
OUTER ROAD	1	0.7	31	1.0	79	0.6	111	0.7
COUNTY ROAD	7	4.6	181	5.7	766	5.7	954	5.7
CITY STREET	12	7.9	759	23.9	4,857	36.4	5,628	33.7
INTERSTATELOOP	0	0.0	14	0.4	47	0.4	61	0.4
OTHER ¹	3	2.0	40	1.3	466	3.5	509	3.1
TOTAL	152	100.0	3,182	100.0	13,356	100.0	16,690	100.0

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

TABLE 3.5.8

2006 COMMERCIAL MOTOR VEHICLE INVOLVED CRASHES
HIGHWAY CLASSIFICATION BY AREA CLASSIFICATION AND CRASH SEVERITY

	URBAN						RURAL									
	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	16	42.1	459	27.3	1,733	21.4	2,208	22.5	29	25.4	370	24.7	1,479	28.2	1,878	27.4
U.S. HIGHWAY	6	15.8	183	10.9	616	7.6	805	8.2	38	33.3	323	21.5	886	16.9	1,247	18.2
STATE NUMBERED	2	5.3	197	11.7	732	9.0	931	9.5	24	21.1	340	22.7	987	18.8	1,351	19.7
SINGLE STATE LETTERED	0	0.0	21	1.3	101	1.3	122	1.2	11	9.7	171	11.4	388	7.4	570	8.3
DOUBLE STATE LETTERED	0	0.0	22	1.3	60	0.7	82	0.8	3	2.6	71	4.7	159	3.0	233	3.4
OUTER ROAD	0	0.0	18	1.1	47	0.6	65	0.7	1	0.9	13	0.9	32	0.6	46	0.7
COUNTY ROAD	0	0.0	37	2.2	164	2.0	201	2.1	7	6.1	144	9.6	602	11.5	753	11.0
CITY STREET	12	31.6	704	41.9	4,326	53.4	5,042	51.3	0	0.0	55	3.7	531	10.1	586	8.5
INTERSTATE LOOP	0	0.0	13	0.8	40	0.5	53	0.5	0	0.0	1	0.1	7	0.1	8	0.1
OTHER ¹	2	5.3	27	1.6	288	3.6	317	3.2	1	0.9	13	0.9	178	3.4	192	2.8
TOTAL	38	100.0	1,681	100.0	8,107	100.0	9,826	100.0	114	100.0	1,501	100.0	5,249	100.0	6,864	100.0

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

TABLE 3.5.9

**2006 MISSOURI COMMERCIAL MOTOR VEHICLE INVOLVED CRASHES
MONTH OF YEAR**

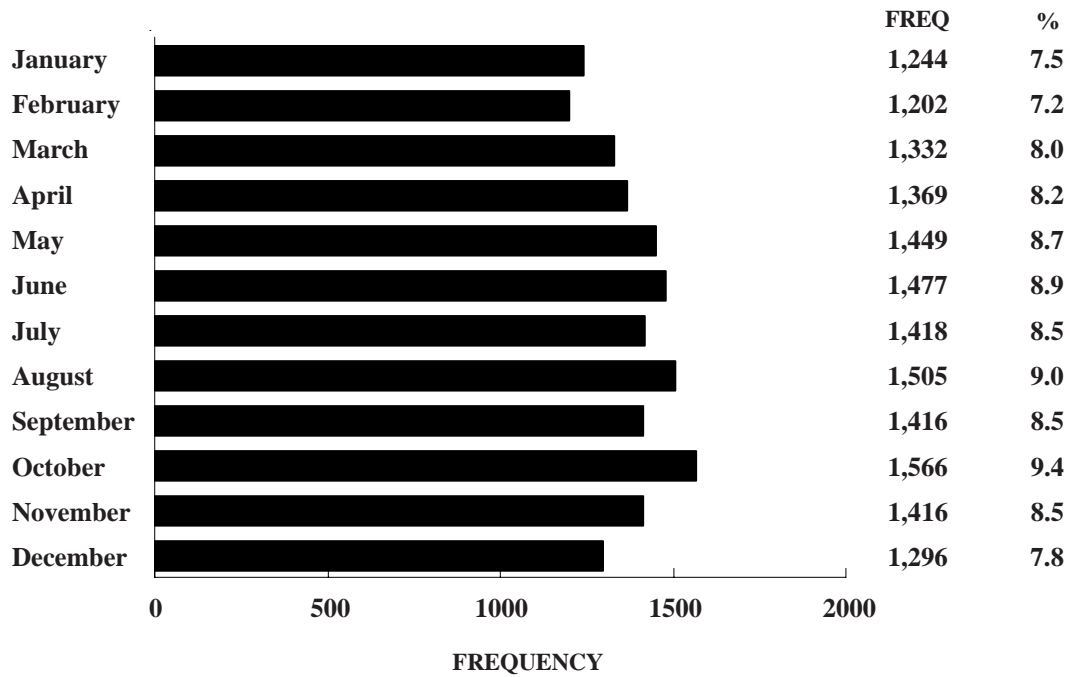
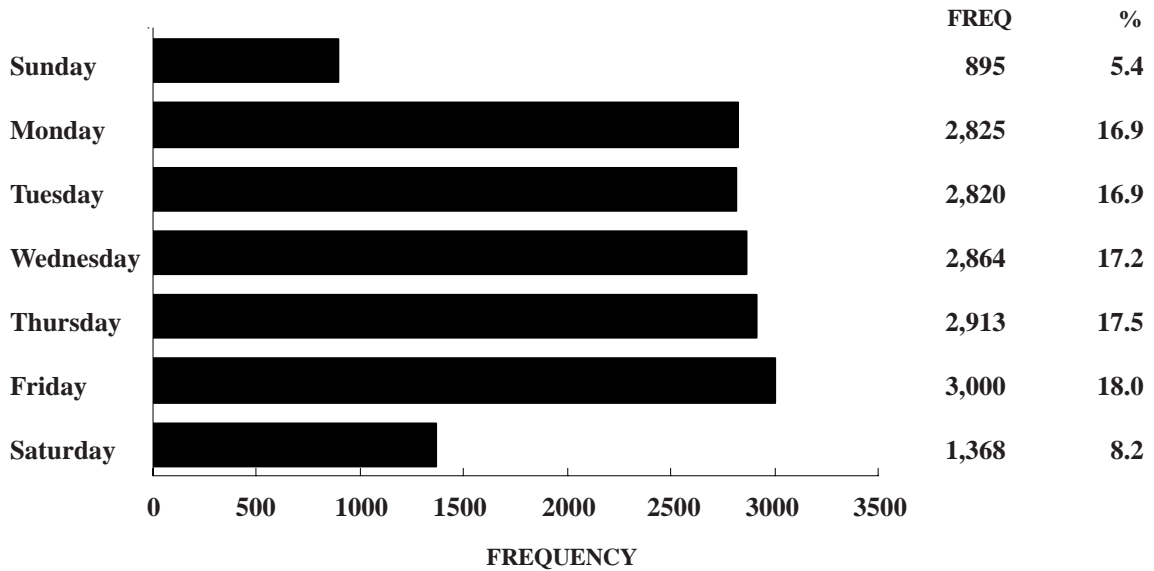


FIGURE 3.5.1

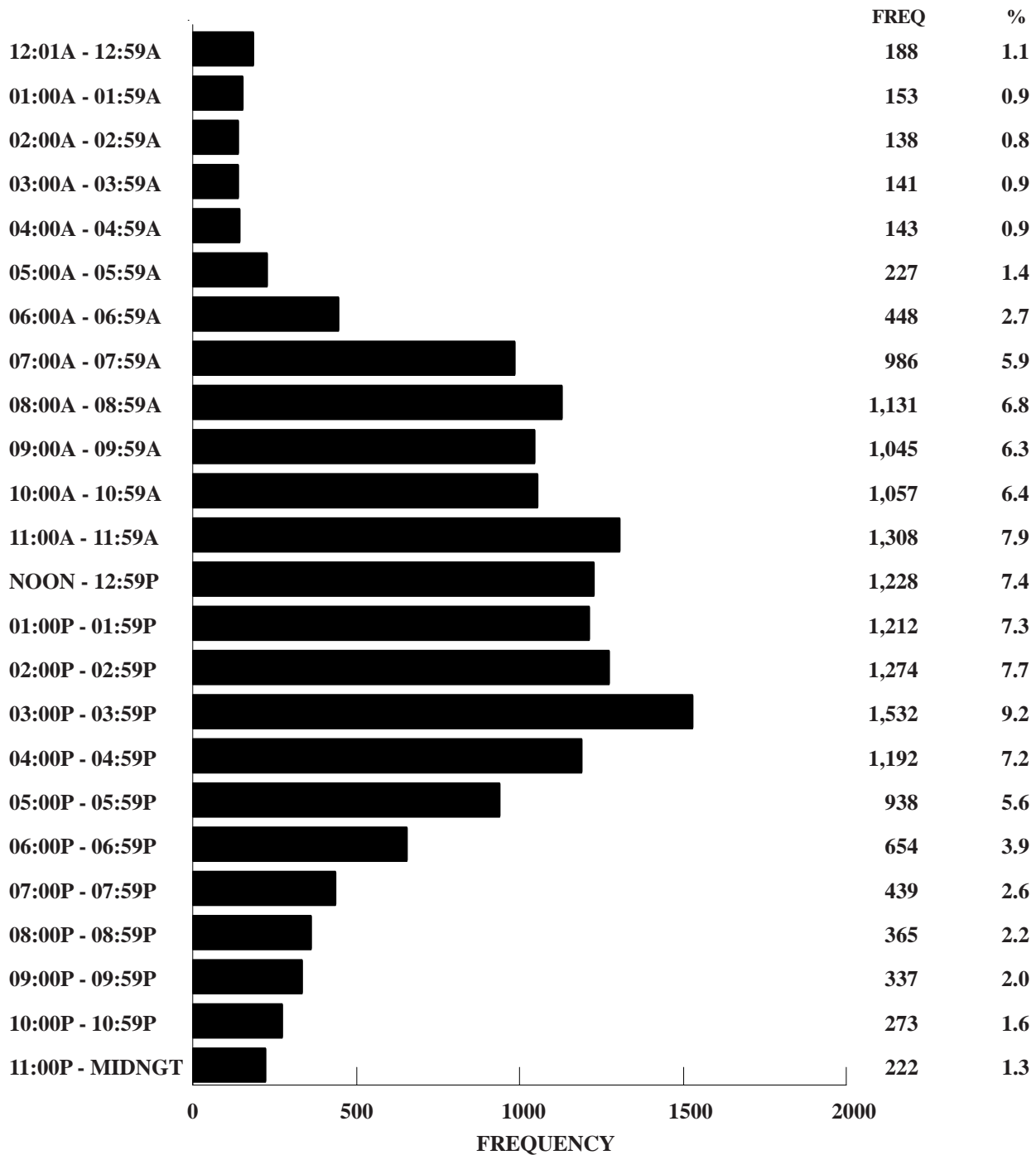
**2006 MISSOURI COMMERCIAL MOTOR VEHICLE INVOLVED CRASHES
DAY OF WEEK**



Unknown Data Not Included

FIGURE 3.5.2

**2006 MISSOURI COMMERCIAL MOTOR VEHICLE INVOLVED CRASHES
HOUR OF DAY**



Unknown Data Not Included

FIGURE 3.5.3

2006 MISSOURI COMMERCIAL MOTOR VEHICLE CRASHES

TYPE OF CIRCUMSTANCE INVOLVED BY CRASH SEVERITY AND PERSON CLASSIFICATION¹

FATAL COMMERCIAL MOTOR VEHICLE CRASHES = 152				TOTAL COMMERCIAL MOTOR VEHICLE CRASHES = 16,690		
	COMM. M. V. DRIVER/ VEHICLE	OTHER DRIVER/ VEHICLE/PED.	TOTAL FATAL	COMM. M. V. DRIVER/ VEHICLE	OTHER DRIVER/ VEHICLE/PED.	TOTAL CRASHES
VEHICLE DEFECTS	3.3	2.0	5.3	5.2	1.0	6.2
TRAFFIC CONTROL INOPERATIVE / MISSING	0.0	0.0	0.0	0.1	0.1	0.1
IMPROPERLY STOPPED ON ROADWAY	0.7	0.7	1.3	0.4	0.4	0.7
EXCEEDING SPEED LIMIT / TOO FAST FOR CONDITIONS	11.2	13.8	24.3	5.6	4.5	10.0
IMPROPER PASSING	1.3	3.9	5.2	1.1	2.0	3.1
VIOLATION OF STOP SIGN	0.0	6.6	6.6	1.0	1.5	2.5
WRONG SIDE NOT PASSING	2.0	13.2	15.1	1.3	1.2	2.4
FOLLOWING TOO CLOSE	3.9	0.7	4.6	7.0	4.5	11.2
IMPROPER SIGNAL	0.0	0.0	0.0	0.2	0.1	0.3
IMPROPER BACKING	0.7	0.0	0.7	4.3	0.5	4.8
IMPROPER TURN	0.7	0.7	1.3	5.5	1.1	6.6
IMPROPER LANE USAGE / CHANGE	11.2	10.5	21.1	10.2	6.8	16.4
WRONG WAY ONE-WAY STREET	0.0	2.0	2.0	0.1	0.1	0.2
IMPROPER START FROM PARK	0.0	0.0	0.0	0.2	0.1	0.3
IMPROPERLY PARKED	0.0	0.0	0.0	0.5	0.3	0.8
FAILED TO YIELD	5.9	20.4	26.3	5.4	6.6	11.8
DRINKING	2.6	7.9	10.5	0.7	1.2	1.9
DRUGS	0.7	2.0	2.6	0.1	0.2	0.3
PHYSICAL IMPAIRMENT	2.0	0.0	2.0	0.8	0.7	1.5
INATTENTION	15.1	11.8	26.9	20.6	11.0	30.3

¹This table identifies the percentage of commercial motor vehicle crashes having a specific type of circumstance which contributed to the cause of the crash. This table further defines the percentage of crashes where the contributing circumstance was associated with the commercial motor vehicle driver or his vehicle as well as those attributed to other persons and vehicles in the crash. For instance, when examining speed involvement in 2006 Missouri fatal commercial motor vehicle crashes, it was found that a commercial motor vehicle driver was speeding in 11.2% of the crashes. In 13.8% of the crashes another driver was speeding. In 24.3% of the crashes either a commercial motor vehicle driver, another driver, or both drivers were speeding.

TABLE 3.5.10

COMMERCIAL MOTOR VEHICLES IN 2006 MISSOURI CRASHES

TYPE OF COMMERCIAL MOTOR VEHICLE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
PLACARDED								
AUTOMOBILE	0	0.0	1	0.0	0	0.0	1	0.0
SPORT UTILITY VEHICLE	0	0.0	0	0.0	1	0.0	1	0.0
PICKUP TRUCK	0	0.0	1	0.0	2	0.0	3	0.0
SINGLE UNIT TRUCK	0	0.0	4	0.1	10	0.1	14	0.1
TRUCK-TRACTOR - NO UNITS	0	0.0	0	0.0	1	0.0	1	0.0
TRUCK-TRACTOR - 1 UNIT	2	1.2	21	0.6	38	0.3	61	0.3
TRUCK-TRACTOR - 2 UNITS	0	0.0	3	0.1	4	0.0	7	0.0
OTHER HEAVY TRUCKS	0	0.0	0	0.0	1	0.0	1	0.0
NON-PLACARDED TRUCKS HAVING A GCVWR OF 10,001 POUNDS OR MORE								
PICKUP TRUCK	15	8.9	616	18.1	2,078	14.5	2,709	15.1
SINGLE UNIT TRUCK	53	31.4	1,008	29.6	4,197	29.2	5,258	29.3
TRUCK-TRACTOR - NO UNITS	4	2.4	61	1.8	282	2.0	347	1.9
TRUCK-TRACTOR - 1 UNIT	85	50.3	1,231	36.2	5,522	38.4	6,838	38.1
TRUCK-TRACTOR - 2 UNITS	2	1.2	48	1.4	194	1.3	244	1.4
TRUCK-TRACTOR - 3 UNITS	0	0.0	3	0.1	13	0.1	16	0.1
OTHER HEAVY TRUCKS	1	0.6	114	3.4	765	5.3	880	4.9
NON-PLACARDED BUS - 16 OR MORE SEATING CAPACITY								
BUS	5	3.0	181	5.3	684	4.8	870	4.8
SCHOOL BUS	2	1.2	110	3.2	580	4.0	692	3.9
TOTAL	169	100.0	3,402	100.0	14,372	100.0	17,943	100.0

TABLE 3.5.11

COMMERCIAL MOTOR VEHICLES IN 2006 MISSOURI CRASHES

DRIVER INVOLVEMENT BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRIVERLESS	4	2.4	105	3.1	489	3.4	598	3.3
KNOWN DRIVER INVOLVED	165	97.6	3,211	94.4	12,848	89.4	16,224	90.4
UNKNOWN DRIVER INVOLVED	0	0.0	86	2.5	1,035	7.2	1,121	6.3
TOTAL	169	100.0	3,402	100.0	14,372	100.0	17,943	100.0

TABLE 3.5.12

DRIVERS OF COMMERCIAL MOTOR VEHICLES IN 2006 MISSOURI CRASHES

SEX OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MALE	156	94.6	2,900	90.3	11,420	90.5	14,476	90.5
FEMALE	9	5.4	311	9.7	1,199	9.5	1,519	9.5
UNKNOWN	0	-	86	-	1,264	-	1,350	-
TOTAL	165	100.0	3,297	100.0	13,883	100.0	17,345	100.0

TABLE 3.5.13

DRIVERS OF COMMERCIAL MOTOR VEHICLES IN 2006 MISSOURI CRASHES

AGE OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AVERAGE AGE OF DRIVER	43.6	-	42.9	-	42.7	-	42.8	-
14 YEARS AND UNDER	0	0.0	0	0.0	0	0.0	0	0.0
15 - 20 YEARS	5	3.0	86	2.7	292	2.3	383	2.4
21 - 25 YEARS	12	7.3	223	7.0	891	7.0	1,126	7.0
26 - 30 YEARS	21	12.7	299	9.4	1,316	10.4	1,636	10.2
31 - 35 YEARS	14	8.5	396	12.4	1,463	11.5	1,873	11.7
36 - 40 YEARS	17	10.3	401	12.5	1,621	12.8	2,039	12.7
41 - 45 YEARS	23	13.9	463	14.5	1,818	14.3	2,304	14.4
46 - 50 YEARS	13	7.9	391	12.2	1,803	14.2	2,207	13.8
51 - 55 YEARS	21	12.7	356	11.1	1,312	10.4	1,689	10.5
56 - 60 YEARS	22	13.3	278	8.7	1,022	8.1	1,322	8.2
61 - 65 YEARS	10	6.1	154	4.8	641	5.1	805	5.0
66 YEARS AND OVER	7	4.2	150	4.7	498	3.9	655	4.1
UNKNOWN	0	-	100	-	1,206	-	1,306	-
TOTAL	165	100.0	3,297	100.0	13,883	100.0	17,345	100.0

TABLE 3.5.14

DRIVERS OF COMMERCIAL MOTOR VEHICLES IN 2006 MISSOURI CRASHES

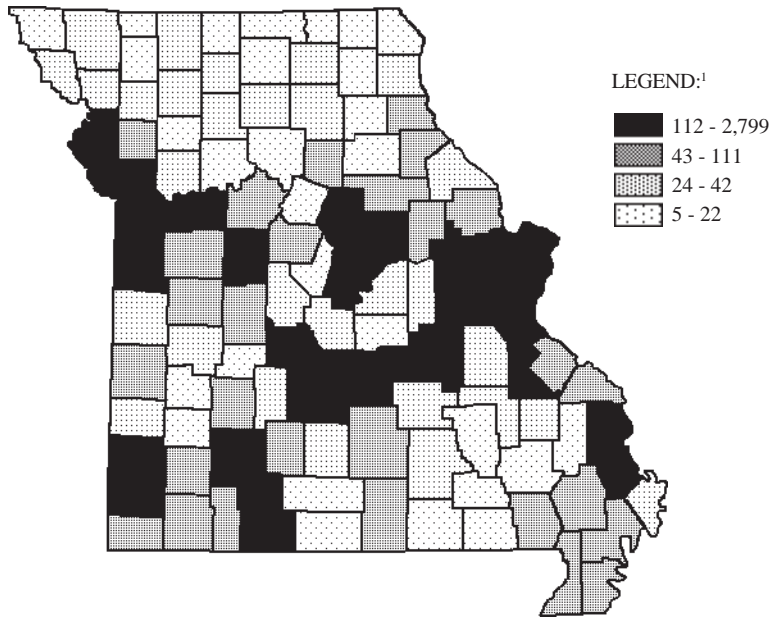
DRIVER'S LICENSE STATE AND TYPE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MISSOURI								
LEARNER'S PERMIT	0	0.0	2	0.1	11	0.1	13	0.1
OPERATOR'S LICENSE	27	16.8	865	27.5	3,188	26.0	4,080	26.2
MOTORCYCLE ONLY	0	0.0	0	0.0	1	0.0	1	0.0
COMMERCIAL DRIVER'S LICENSE	68	42.2	1,391	44.2	5,211	42.5	6,670	42.9
SUBTOTAL	95	59.0	2,258	71.7	8,411	68.7	10,764	69.2
OUTSTATE								
LEARNER'S PERMIT	0	0.0	0	0.0	0	0.0	0	0.0
OPERATOR'S LICENSE	7	4.4	134	4.3	612	5.0	753	4.8
MOTORCYCLE ONLY	0	0.0	0	0.0	0	0.0	0	0.0
COMMERCIAL DRIVER'S LICENSE	58	36.0	728	23.1	3,153	25.7	3,939	25.3
SUBTOTAL	65	40.4	862	27.4	3,765	30.7	4,692	30.1
UNLICENSED	1	0.6	29	0.9	75	0.6	105	0.7
UNKNOWN	4	-	148	-	1,632	-	1,784	-
TOTAL	165	100.0	3,297	100.0	13,883	100.0	17,345	100.0

TABLE 3.5.15

2006 COMMERCIAL MOTOR VEHICLE INVOLVED CRASHES

COUNTY QUARTILE ANALYSIS



¹LEGEND CATEGORIES ARE BASED ON QUARTILES OF COUNTIES.

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
1.0	ST. LOUIS	2,799	16.8	22.0	WARREN	136	0.8
2.0	JACKSON	1,999	12.0	23.0	CAMDEN	121	0.7
3.0	ST. LOUIS CITY	1,976	11.8	24.0	PETTIS	120	0.7
4.0	ST. CHARLES	793	4.8	25.5	CHRISTIAN	116	0.7
5.0	GREENE	697	4.2	25.5	PULASKI	116	0.7
6.0	CLAY	585	3.5	27.0	LAFAYETTE	115	0.7
7.0	JEFFERSON	418	2.5	28.0	ST. FRANCOIS	113	0.7
8.0	FRANKLIN	387	2.3	29.0	TANEY	112	0.7
9.0	BOONE	352	2.1				
10.0	PHELPS	306	1.8				First Quartile
11.0	JASPER	260	1.6				
12.0	PLATTE	240	1.4	30.0	LAWRENCE	111	0.7
13.0	BUCHANAN	238	1.4	31.0	MARION	107	0.6
14.0	CASS	188	1.1	32.0	LINCOLN	98	0.6
15.0	COLE	186	1.1	33.0	NEW MADRID	94	0.6
16.0	CAPE GIRARDEAU	183	1.1	35.0	COOPER	93	0.6
17.0	NEWTON	156	0.9	35.0	HOWELL	93	0.6
18.0	CALLAWAY	150	0.9	35.0	WEBSTER	93	0.6
19.0	SCOTT	149	0.9	37.5	JOHNSON	92	0.6
20.0	LACLEDE	139	0.8	37.5	SALINE	92	0.6
21.0	CRAWFORD	138	0.8	39.5	BARRY	85	0.5

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
39.5	MONTGOMERY	85	0.5	78.5	LEWIS	29	0.2
41.0	PEMISCOT	82	0.5	78.5	LINN	29	0.2
42.0	MC DONALD	79	0.5	80.5	GASCONADE	28	0.2
43.0	BUTLER	77	0.5	80.5	HOLT	28	0.2
44.0	POLK	71	0.4	82.0	NODAWAY	27	0.2
45.0	RANDOLPH	67	0.4	83.0	MADISON	26	0.2
46.0	DUNKLIN	59	0.4	84.5	MISSISSIPPI	25	0.1
47.5	PERRY	58	0.3	84.5	SHANNON	25	0.1
47.5	VERNON	58	0.3	86.0	IRON	24	0.1
49.0	AUDRAIN	55	0.3				
50.0	RALLS	54	0.3				Third Quartile
51.0	STE. GENEVIEVE	53	0.3				
52.0	HENRY	50	0.3				Fourth Quartile
53.0	TEXAS	48	0.3	88.5	BOLLINGER	22	0.1
54.5	BENTON	44	0.3	88.5	CARTER	22	0.1
54.5	STONE	44	0.3	88.5	MARIES	22	0.1
56.5	CLINTON	43	0.3	88.5	MONITEAU	22	0.1
56.5	STODDARD	43	0.3	91.5	ATCHISON	21	0.1
			Second Quartile	91.5	WAYNE	21	0.1
				93.5	OREGON	19	0.1
				93.5	SHELBY	19	0.1
			Third Quartile	95.5	CALDWELL	18	0.1
58.5	DAVISS	42	0.3	95.5	RIPLEY	18	0.1
58.5	MILLER	42	0.3	97.0	CARROLL	17	0.1
60.0	BATES	41	0.2	98.0	CHARITON	16	0.1
61.0	MORGAN	40	0.2	99.5	CLARK	15	0.1
62.0	WASHINGTON	39	0.2	99.5	MONROE	15	0.1
63.0	DALLAS	38	0.2	101.0	REYNOLDS	14	0.1
65.0	ADAIR	36	0.2	103.5	CEDAR	13	0.1
65.0	BARTON	36	0.2	103.5	DADE	13	0.1
65.0	DE KALB	36	0.2	103.5	OZARK	13	0.1
68.0	DENT	35	0.2	103.5	SCHUYLER	13	0.1
68.0	MACON	35	0.2	106.5	HOWARD	12	0.1
68.0	OSAGE	35	0.2	106.5	PUTNAM	12	0.1
70.0	HARRISON	34	0.2	109.0	DOUGLAS	11	0.1
71.5	GRUNDY	32	0.2	109.0	HICKORY	11	0.1
71.5	PIKE	32	0.2	109.0	SULLIVAN	11	0.1
74.5	ANDREW	31	0.2	111.0	KNOX	9	0.1
74.5	LIVINGSTON	31	0.2	112.0	GENTRY	8	0.0
74.5	RAY	31	0.2	113.5	MERCER	7	0.0
74.5	ST. CLAIR	31	0.2	113.5	SCOTLAND	7	0.0
77.0	WRIGHT	30	0.2	115.0	WORTH	5	0.0

TABLE 3.5.16

2006 COMMERCIAL MOTOR VEHICLE INVOLVED CRASHES

CITY LISTING

RANK	CITY	FREQUENCY	PERCENT¹
1.0	ST. LOUIS	1,976	17.8
2.0	KANSAS CITY	1,692	15.2
3.0	SPRINGFIELD	486	4.4
4.0	COLUMBIA	229	2.1
5.0	INDEPENDENCE	217	2.0
6.0	ST. JOSEPH	197	1.8
7.0	ST. CHARLES	170	1.5
8.0	ST. PETERS	166	1.5
9.0	LEE'S SUMMIT	162	1.5
10.0	JEFFERSON CITY	158	1.4
11.0	FLORISSANT	155	1.4
12.0	ROLLA	149	1.3
13.0	SUNSET HILLS	133	1.2
14.0	JOPLIN	128	1.2
15.0	O'FALLON	121	1.1
16.0	CAPE GIRARDEAU	118	1.1
17.0	KIRKWOOD	110	1.0
18.0	BRIDGETON	108	1.0
19.0	HAZELWOOD	107	1.0
20.0	MARYLAND HEIGHTS	104	0.9
21.0	TOWN AND COUNTRY	99	0.9
22.0	CREVE COEUR	97	0.9
23.0	WENTZVILLE	87	0.8
24.0	NORTH KANSAS CITY	85	0.8
25.0	CHESTERFIELD	82	0.7
26.0	UNIVERSITY CITY	79	0.7
27.5	BLUE SPRINGS	75	0.7
27.5	WEBSTER GROVES	75	0.7
29.0	CLAYTON	74	0.7
30.0	BERKELEY	72	0.6
31.0	SEDALIA	71	0.6
32.0	RICHMOND HEIGHTS	69	0.6
33.0	WASHINGTON	68	0.6
34.0	LIBERTY	67	0.6
35.0	FENTON	64	0.6
36.0	OVERLAND	58	0.5
37.0	HANNIBAL	57	0.5
38.5	BELTON	53	0.5
38.5	PACIFIC	53	0.5
41.0	ARNOLD	52	0.5
41.0	MOBERLY	52	0.5
41.0	WARRENTON	52	0.5

¹Percentage is based on commercial motor vehicle 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 3.5.17

**MISSOURI FATAL AND PERSONAL INJURY COMMERCIAL MOTOR VEHICLE INVOLVED CRASHES
ANNUAL TIME SERIES**

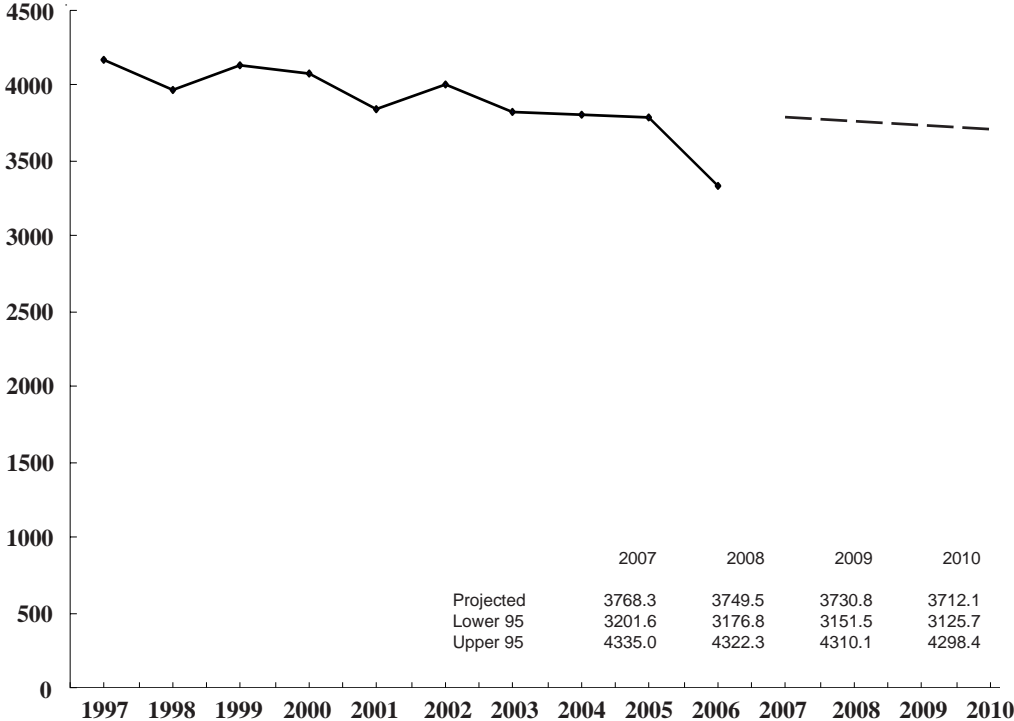


FIGURE 3.5.4

3.6 MOTORCYCLE INVOLVEMENT

This section presents a series of data displays which describe motorcycle involvement in Missouri's traffic crash experience. Motorcycle traffic crashes are defined as any crash in which one or more motorcycles were involved in the incident. Mopeds and all terrain vehicles (ATV's) are not considered motorcycles for the purpose of this analysis. Data displays also are provided in this section which identify characteristics of motorcycle drivers in traffic crashes.

2006 SUMMARY ANALYSIS

- Of all 2006 Missouri traffic crashes, 1.4% involved a motorcycle. Of all fatal traffic crashes, 9.4% involved a motorcycle. A total of 94 persons were killed and 2,089 were injured in motorcycle crashes.
- There was an increase of 7.3% in the rate of change when comparing total 2006 motorcycle traffic crashes with those in 2005. There was an increase of 5.8% when comparing fatal 2006 motorcycle crashes with 2005.
- In 2006, one person was killed or injured in a motorcycle traffic crash every 4.0 hours in the State of Missouri.
- Of all 2006 motorcycle crashes, the first harmful event in 43.2% of the cases involved one motor vehicle in transport striking another motor vehicle in transport. In 25.6% of the cases, it involved a motor vehicle overturning. In fatal motorcycle traffic crashes, 33.0% of the cases involved a motor vehicle striking a fixed object.
- Of all 2006 motorcycle traffic crashes, 51.3% occurred in urban regions of the State and 48.7% occurred in rural areas. However, in fatal motorcycle crashes, 60.4% occurred in a rural area.
- Of all motorcycle drivers in traffic crashes, 94.0% were male and 6.0% were female. The average age of motorcyclists was 39.2 years.
- Motorcycle drivers were speeding in 47.3% of all fatal motorcycle traffic crashes and their drinking was a causative factor in 15.4% of these crashes.
- Of those motorcyclists in 2006 traffic crashes who wore a helmet, 30.7% were either killed or received a major disabling injury. Of those not wearing helmets, 36.5% were either killed or received a major disabling injury.

2006 MISSOURI TRAFFIC CRASHES

MOTORCYCLE INVOLVEMENT

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	TOTAL NUMBER¹ KILLED	TOTAL NUMBER¹ INJURED	MOTORCYCLE DRIVERS/PASSENGERS² KILLED	MOTORCYCLE INJURED
MOTORCYCLE INVOLVED	91	9.4	1,801	4.3	435	0.4	2,327	1.4	94	2,089	93	1,994
NO MOTORCYCLE INVOLVED	876	90.6	40,104	95.7	119,177	99.6	160,157	98.6	998	59,636	-	-
UNKNOWN ³	4	-	233	-	4,422	-	4,659	-	4	353	-	-
TOTAL	971	100.0	42,138	100.0	124,034	100.0	167,143	100.0	1,096	62,078	93	1,994

¹This statistic indicates the total number of persons killed and injured in a crash where one or more motorcycles were involved.

²This statistic indicates the number of motorcycle drivers and passengers killed and injured.

³Crashes were classified as unknown if the following conditions exist: none of the vehicles involved in the crash was a motorcycle and the body type of one or more vehicles involved in the crash was not known.

TABLE 3.6.1

2005 and 2006 MOTORCYCLE INVOLVED CRASH ANALYSIS

	2005	2006	RATE OF CHANGE
FATAL	86	91	+ 5.8
PERSONAL INJURY	1,683	1,801	+ 7.0
PROPERTY DAMAGE	400	435	+ 8.8
TOTAL	2,169	2,327	+ 7.3

TABLE 3.6.2

2006 MOTORCYCLE INVOLVED CRASHES

CRASH TYPE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
ANIMAL	1	1.1	78	4.3	15	3.5	94	4.0
BICYCLIST	0	0.0	2	0.1	0	0.0	2	0.1
FIXED OBJECT	30	33.0	384	21.3	41	9.4	455	19.6
OTHER OBJECT	0	0.0	20	1.1	4	0.9	24	1.0
PEDESTRIAN	0	0.0	6	0.3	0	0.0	6	0.3
TRAIN	0	0.0	0	0.0	0	0.0	0	0.0
VEHICLE IN TRANSPORT	37	40.7	708	39.3	260	59.8	1,005	43.2
VEHICLE ON OTHER ROADWAY	1	1.1	1	0.1	0	0.0	2	0.1
PARKED VEHICLE	2	2.2	10	0.6	40	9.2	52	2.2
NONCOLLISION OVERTURN	20	22.0	514	28.5	62	14.3	596	25.6
NONCOLLISION OTHER	0	0.0	78	4.3	13	3.0	91	3.9
TOTAL	91	100.0	1,801	100.0	435	100.0	2,327	100.0

TABLE 3.6.3

2006 MOTORCYCLE INVOLVED CRASHES

AREA CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
URBAN	36	39.6	882	49.0	275	63.2	1,193	51.3
RURAL	55	60.4	919	51.0	160	36.8	1,134	48.7
TOTAL	91	100.0	1,801	100.0	435	100.0	2,327	100.0

TABLE 3.6.4

2006 MOTORCYCLE INVOLVED CRASHES

ROAD CURVATURE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
STRAIGHT	50	55.0	1,215	67.8	338	81.3	1,603	69.7
CURVE	41	45.0	577	32.2	78	18.7	696	30.3
UNKNOWN	0	-	9	-	19	-	28	-
TOTAL	91	100.0	1,801	100.0	435	100.0	2,327	100.0

TABLE 3.6.5

2006 MOTORCYCLE INVOLVED CRASHES

ROAD INCLINE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
LEVEL	47	51.6	1,077	60.4	300	72.5	1,424	62.2
HILL	39	42.9	652	36.6	101	24.4	792	34.6
CREST	5	5.5	54	3.0	13	3.1	72	3.2
UNKNOWN	0	-	18	-	21	-	39	-
TOTAL	91	100.0	1,801	100.0	435	100.0	2,327	100.0

TABLE 3.6.6

2006 MOTORCYCLE INVOLVED CRASHES

ROAD CONDITIONS BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRY	88	96.7	1,715	96.4	408	94.9	2,211	96.1
WET	3	3.3	63	3.5	21	4.9	87	3.8
SNOW	0	0.0	0	0.0	0	0.0	0	0.0
ICE	0	0.0	0	0.0	1	0.2	1	0.0
SLUSH	0	0.0	0	0.0	0	0.0	0	0.0
MUD	0	0.0	0	0.0	0	0.0	0	0.0
STANDING WATER	0	0.0	0	0.0	0	0.0	0	0.0
MOVING WATER	0	0.0	1	0.1	0	0.0	1	0.0
UNKNOWN	0	-	22	-	5	-	27	-
TOTAL	91	100.0	1,801	100.0	435	100.0	2,327	100.0

TABLE 3.6.7

2006 MOTORCYCLE INVOLVED CRASHES

HIGHWAY CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	4	4.4	148	8.2	38	8.7	190	8.2
U.S. HIGHWAY	10	11.0	164	9.1	42	9.7	216	9.3
STATE NUMBERED	23	25.3	362	20.1	81	18.6	466	20.0
SINGLE STATE LETTERED	16	17.6	226	12.6	21	4.8	263	11.3
DOUBLE STATE LETTERED	4	4.4	85	4.7	14	3.2	103	4.4
OUTER ROAD	0	0.0	20	1.1	4	0.9	24	1.0
COUNTY ROAD	6	6.6	185	10.3	32	7.4	223	9.6
CITY STREET	25	27.5	553	30.7	184	42.3	762	32.8
INTERSTATE LOOP	0	0.0	10	0.6	2	0.5	12	0.5
OTHER ¹	3	3.3	48	2.7	17	3.9	68	2.9
TOTAL	91	100.0	1,801	100.0	435	100.0	2,327	100.0

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

TABLE 3.6.8

2006 MOTORCYCLE INVOLVED CRASHES

HIGHWAY CLASSIFICATION BY AREA CLASSIFICATION AND CRASH SEVERITY

	URBAN						RURAL									
	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	4	11.1	88	10.0	28	10.2	120	10.1	0	0.0	60	6.5	10	6.3	70	6.2
U.S. HIGHWAY	4	11.1	67	7.6	21	7.6	92	7.7	6	10.9	97	10.6	21	13.1	124	10.9
STATE NUMBERED	5	13.9	113	12.8	36	13.1	154	12.9	18	32.7	249	27.1	45	28.1	312	27.5
SINGLE STATE LETTERED	0	0.0	24	2.7	4	1.5	28	2.4	16	29.1	202	22.0	17	10.6	235	20.7
DOUBLE STATE LETTERED	0	0.0	9	1.0	2	0.7	11	0.9	4	7.3	76	8.3	12	7.5	92	8.1
OUTER ROAD	0	0.0	9	1.0	3	1.1	12	1.0	0	0.0	11	1.2	1	0.6	12	1.1
COUNTY ROAD	0	0.0	23	2.6	5	1.8	28	2.4	6	10.9	162	17.6	27	16.9	195	17.2
CITY STREET	23	63.9	506	57.4	162	58.9	691	57.9	2	3.6	47	5.1	22	13.8	71	6.3
INTERSTATE LOOP	0	0.0	8	0.9	2	0.7	10	0.8	0	0.0	2	0.2	0	0.0	2	0.2
OTHER ¹	0	0.0	35	4.0	12	4.4	47	3.9	3	5.5	13	1.4	5	3.1	21	1.9
TOTAL	36	100.0	882	100.0	275	100.0	1,193	100.0	55	100.0	919	100.0	160	100.0	1,134	100.0

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

TABLE 3.6.9

**2006 MISSOURI MOTORCYCLE INVOLVED CRASHES
MONTH OF YEAR**

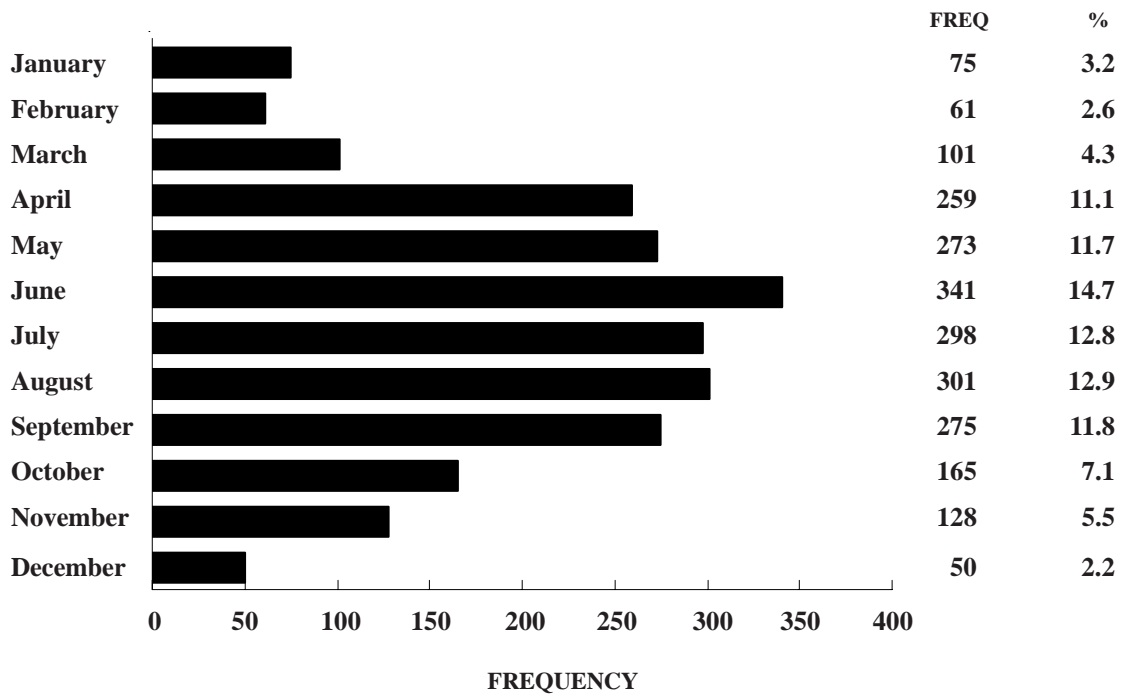


FIGURE 3.6.1

**2006 MISSOURI MOTORCYCLE INVOLVED CRASHES
DAY OF WEEK**

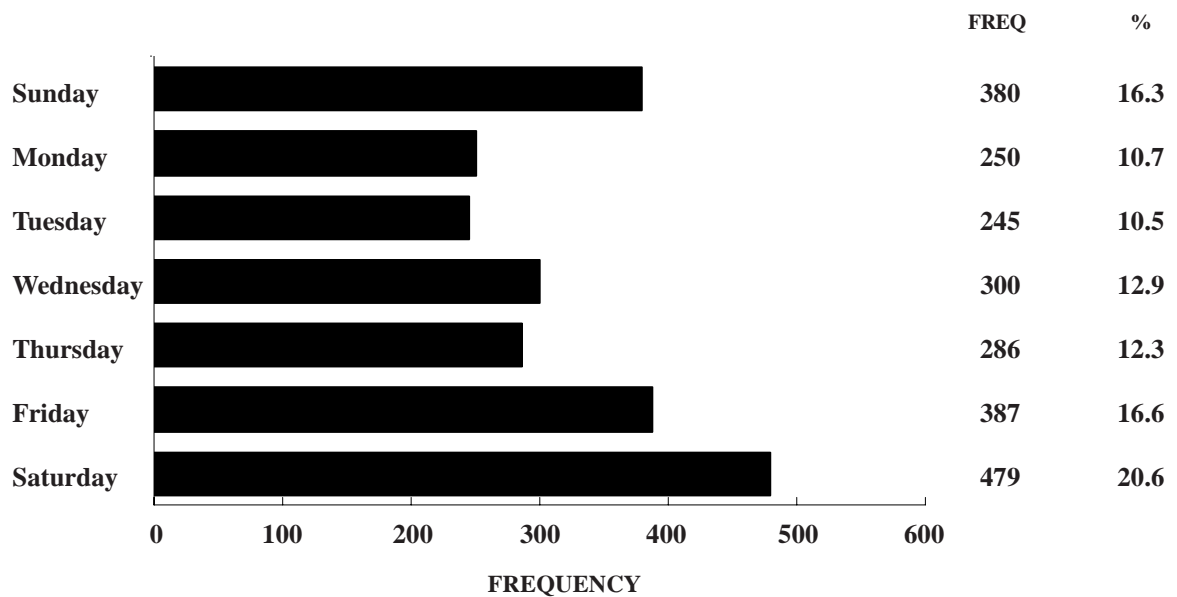
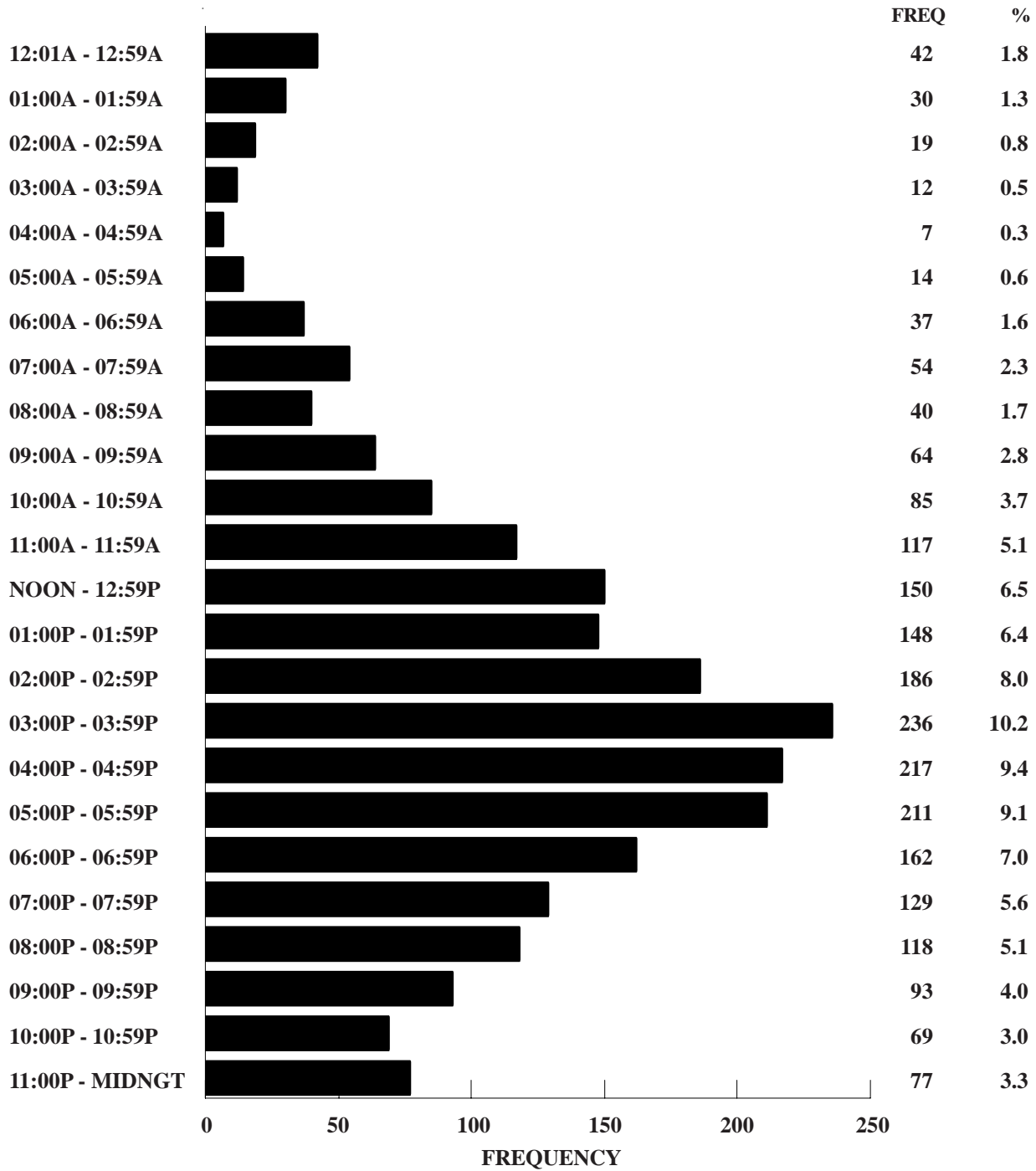


FIGURE 3.6.2

**2006 MISSOURI MOTORCYCLE INVOLVED CRASHES
HOUR OF DAY**



Unknown Data Not Included

FIGURE 3.6.3

2006 MISSOURI MOTORCYCLE CRASHES

TYPE OF CIRCUMSTANCE INVOLVED BY CRASH SEVERITY AND PERSON CLASSIFICATION¹

FATAL MOTORCYCLE CRASHES = 91				TOTAL MOTORCYCLE CRASHES = 2,327		
	MOTORCYCLE DRIVER/VEH.	OTHER DRIVER/VEHICLE/PED.	TOTAL FATAL	MOTORCYCLE DRIVER/VEH.	OTHER DRIVER/VEHICLE/PED.	TOTAL CRASHES
VEHICLE DEFECTS	1.1	0.0	1.1	2.7	0.5	3.2
TRAFFIC CONTROL INOPERATIVE / MISSING	0.0	0.0	0.0	0.0	0.0	0.0
IMPROPERLY STOPPED ON ROADWAY	0.0	0.0	0.0	0.1	0.3	0.3
EXCEEDING SPEED LIMIT / TOO FAST FOR CONDITIONS	47.3	1.1	48.4	24.9	1.2	26.1
IMPROPER PASSING	3.3	0.0	3.3	1.9	0.3	2.2
VIOLATION OF STOP SIGN	3.3	0.0	3.3	1.2	1.2	2.3
WRONG SIDE NOT PASSING	7.7	2.2	9.9	2.2	0.4	2.6
FOLLOWING TOO CLOSE	2.2	2.2	4.4	5.9	3.4	9.2
IMPROPER SIGNAL	0.0	1.1	1.1	0.0	0.2	0.2
IMPROPER BACKING	0.0	0.0	0.0	0.1	0.9	0.9
IMPROPER TURN	1.1	4.4	5.5	1.1	2.6	3.7
IMPROPER LANE USAGE / CHANGE	9.9	1.1	11.0	6.5	2.5	8.9
WRONG WAY ONE-WAY STREET	0.0	0.0	0.0	0.0	0.0	0.0
IMPROPER START FROM PARK	0.0	0.0	0.0	0.3	0.0	0.3
IMPROPERLY PARKED	0.0	0.0	0.0	0.2	0.0	0.2
FAILED TO YIELD	2.2	24.2	26.4	3.4	15.1	18.3
DRINKING	15.4	2.2	16.5	5.1	1.2	6.2
DRUGS	1.1	0.0	1.1	0.3	0.0	0.3
PHYSICAL IMPAIRMENT	0.0	0.0	0.0	0.4	0.3	0.7
INATTENTION	14.3	8.8	23.1	16.6	7.4	23.4

¹This table identifies the percentage of motorcycle crashes having a specific type of circumstance which contributed to the cause of the crash. This table further defines the percentage of crashes where the contributing circumstance was associated with the motorcyclist or his motorcycle as well as those attributed to other persons and vehicles in the crash. For instance, when examining speed involvement in 2006 Missouri motorcycle crashes, it was found that a motorcyclist was speeding in 24.9% of the crashes. In 1.2% of the crashes another driver was speeding. In 26.1% of the crashes either a motorcyclist, another driver, or both drivers were speeding.

TABLE 3.6.10

MOTORCYCLES IN 2006 MISSOURI CRASHES

DRIVER INVOLVEMENT BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRIVERLESS	0	0.0	1	0.0	30	6.8	31	1.3
KNOWN DRIVER INVOLVED	93	100.0	1,832	99.7	377	85.7	2,302	97.1
UNKNOWN DRIVER INVOLVED	0	0.0	5	0.3	33	7.5	38	1.6
TOTAL	93	100.0	1,838	100.0	440	100.0	2,371	100.0

TABLE 3.6.11

DRIVERS OF MOTORCYCLES IN 2006 MISSOURI CRASHES

SEX OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MALE	89	95.7	1,714	93.6	357	96.0	2,160	94.0
FEMALE	4	4.3	118	6.4	15	4.0	137	6.0
UNKNOWN	0	-	5	-	38	-	43	-
TOTAL	93	100.0	1,837	100.0	410	100.0	2,340	100.0

TABLE 3.6.12

DRIVERS OF MOTORCYCLES IN 2006 MISSOURI CRASHES

AGE OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AVERAGE AGE OF DRIVER	39.2	-	39.4	-	38.2	-	39.2	-
14 YEARS AND UNDER	0	0.0	14	0.8	2	0.5	16	0.7
15 - 20 YEARS	5	5.4	146	8.0	43	11.5	194	8.5
21 - 25 YEARS	11	11.8	255	14.0	53	14.1	319	13.9
26 - 30 YEARS	9	9.7	174	9.5	38	10.1	221	9.6
31 - 35 YEARS	11	11.8	170	9.3	31	8.3	212	9.3
36 - 40 YEARS	15	16.1	173	9.5	46	12.3	234	10.2
41 - 45 YEARS	10	10.8	212	11.6	38	10.1	260	11.3
46 - 50 YEARS	15	16.1	226	12.4	36	9.6	277	12.1
51 - 55 YEARS	7	7.5	216	11.8	41	10.9	264	11.5
56 - 60 YEARS	6	6.5	122	6.7	28	7.5	156	6.8
61 - 65 YEARS	0	0.0	65	3.6	10	2.7	75	3.3
66 YEARS AND OVER	4	4.3	52	2.9	9	2.4	65	2.8
UNKNOWN	0	-	12	-	35	-	47	-
TOTAL	93	100.0	1,837	100.0	410	100.0	2,340	100.0

TABLE 3.6.13

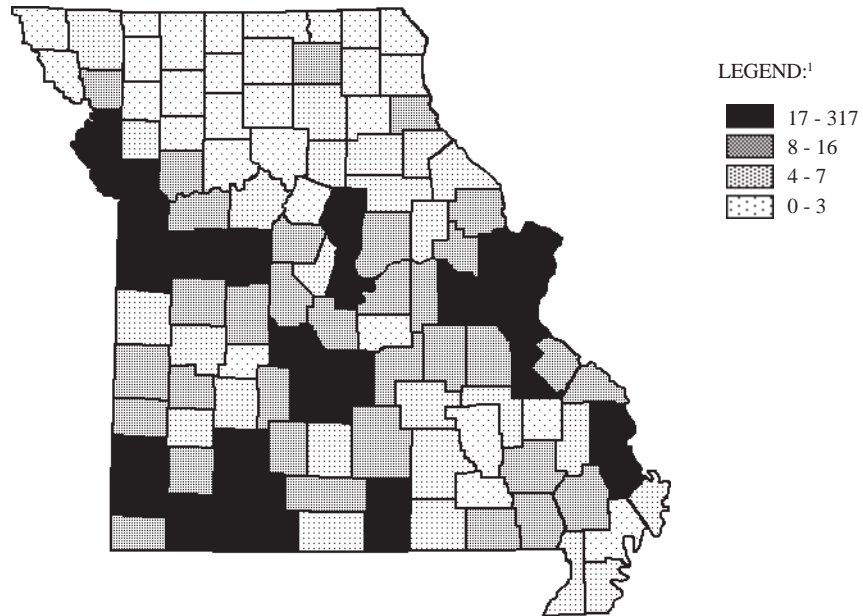
DRIVERS OF MOTORCYCLES INVOLVED IN 2006 MISSOURI CRASHES
HELMET USAGE BY PERSONAL INJURY SEVERITY

	KILLED	DISABLING	EVIDENT	PROBABLE	NONE	UNKNOWN	TOTAL
HELMET USED <i>ROW %</i>	72 3.8	510 26.9	815 43.0	176 9.3	324 17.1	7 -	1,904 100.0
HELMET NOT USED <i>ROW %</i>	12 7.7	45 28.8	65 41.7	8 5.1	26 16.7	2 -	158 100.0
HELMET USE UNKNOWN <i>ROW %</i>	3 1.3	46 19.8	94 40.5	33 14.2	56 24.1	46 -	278 100.0
TOTAL <i>ROW %</i>	87 3.8	601 26.3	974 42.6	217 9.5	406 17.8	55 -	2,340 100.0

TABLE 3.6.14

2006 MOTORCYCLE INVOLVED CRASHES

COUNTY QUARTILE ANALYSIS



¹LEGEND CATEGORIES ARE BASED ON QUARTILES OF COUNTIES.

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
1.0	JACKSON	317	13.6	20.5	LACLEDE	25	1.1
2.0	ST. LOUIS	235	10.1	22.0	BARRY	23	1.0
3.0	GREENE	142	6.1	23.0	STONE	21	0.9
4.0	ST. CHARLES	132	5.7	25.0	HOWELL	20	0.9
5.0	ST. LOUIS CITY	113	4.9	25.0	JOHNSON	20	0.9
6.0	JASPER	86	3.7	25.0	SCOTT	20	0.9
7.0	CLAY	85	3.7	27.0	COLE	19	0.8
8.0	JEFFERSON	73	3.1	28.0	CAMDEN	17	0.7
9.0	PLATTE	48	2.1				
10.0	TANEY	46	2.0				First Quartile
11.0	FRANKLIN	44	1.9				
12.0	BUCHANAN	43	1.8				Second Quartile
13.5	BOONE	42	1.8	30.0	CALLAWAY	16	0.7
13.5	NEWTON	42	1.8	30.0	CRAWFORD	16	0.7
15.0	CASS	38	1.6	30.0	MARION	16	0.7
16.0	CAPE GIRARDEAU	36	1.5	32.5	LAFAYETTE	15	0.6
17.0	PULASKI	31	1.3	32.5	TEXAS	15	0.6
18.0	PETTIS	28	1.2	34.5	LAWRENCE	14	0.6
19.0	ST. FRANCOIS	27	1.2	34.5	PHELPS	14	0.6
20.5	CHRISTIAN	25	1.1	37.0	BUTLER	12	0.5
				37.0	MILLER	12	0.5

2006 MOTORCYCLE INVOLVED CRASHES

CITY LISTING

RANK	CITY	FREQUENCY	PERCENT ¹
1.0	KANSAS CITY	207	15.5
2.0	ST. LOUIS	113	8.5
3.0	SPRINGFIELD	93	7.0
4.0	JOPLIN	60	4.5
5.0	INDEPENDENCE	56	4.2
6.0	LEE'S SUMMIT	44	3.3
7.0	ST. JOSEPH	37	2.8
8.0	COLUMBIA	33	2.5
9.0	CAPE GIRARDEAU	24	1.8
11.0	BLUE SPRINGS	22	1.6
11.0	ST. CHARLES	22	1.6
11.0	ST. PETERS	22	1.6
13.0	O'FALLON	17	1.3
14.5	BELTON	16	1.2
14.5	SEDALIA	16	1.2
16.5	FLORISSANT	15	1.1
16.5	LIBERTY	15	1.1
18.5	BRIDGETON	13	1.0
18.5	JEFFERSON CITY	13	1.0
20.0	FARMINGTON	12	0.9
21.0	CREVE COEUR	11	0.8
22.5	BRANSON	10	0.7
22.5	LEBANON	10	0.7
24.5	HANNIBAL	9	0.7
24.5	WEST PLAINS	9	0.7
27.5	CHESTERFIELD	8	0.6
27.5	GLADSTONE	8	0.6
27.5	GRANDVIEW	8	0.6
27.5	SUNSET HILLS	8	0.6
31.5	HAZELWOOD	7	0.5
31.5	NEOSHO	7	0.5
31.5	POPLAR BLUFF	7	0.5
31.5	ST. ROBERT	7	0.5

¹Percentage is based on motorcycle 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 3.6.16

**MISSOURI FATAL AND PERSONAL INJURY MOTORCYCLE INVOLVED CRASHES
ANNUAL TIME SERIES**

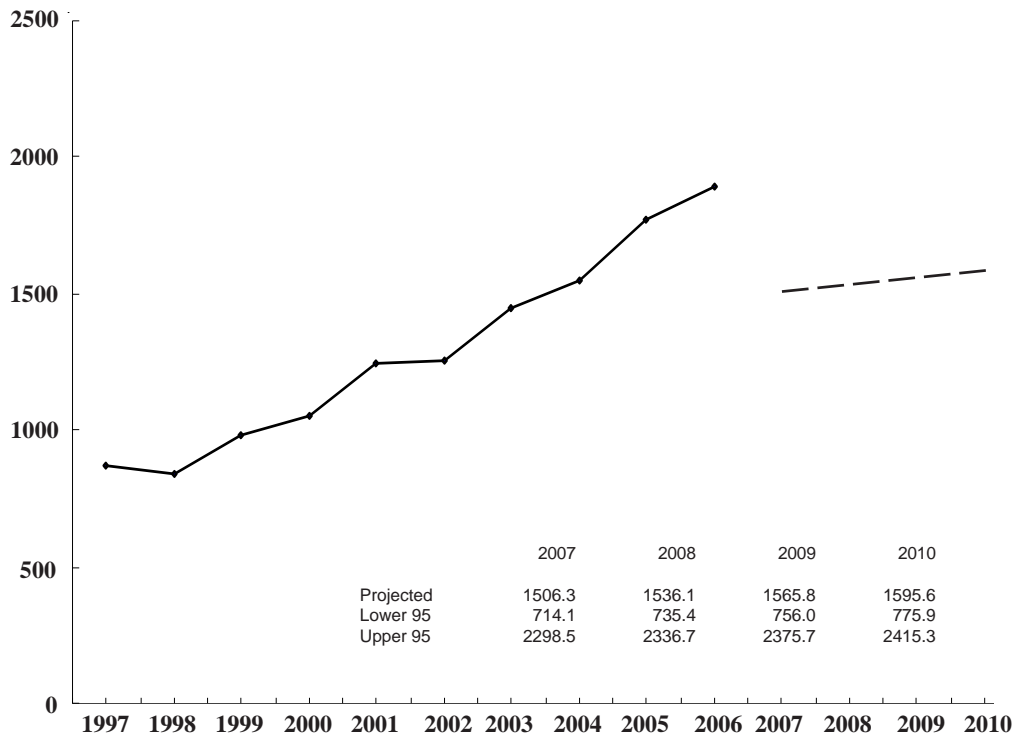


FIGURE 3.6.4

3.7 SCHOOL BUS INVOLVEMENT

This section presents a series of data displays which identify school bus involvement in Missouri's traffic crash experience. School bus involved traffic crashes are defined as any crash in which one or more school buses were directly involved in the incident or where a school bus signal was associated with the traffic crash. Data displays are presented which identify characteristics of school bus drivers in these traffic crashes.

2006 SUMMARY ANALYSIS

- Of all 2006 Missouri traffic crashes, 0.7% involved a school bus. Of all fatal traffic crashes, 0.3% involved a school bus. Three people were killed and 406 were injured in school bus crashes.
- There was a decrease of 12.8% in the rate of change when comparing 2006 school bus traffic crashes with those in 2005.
- In 2006, one person was killed or injured in a school bus crash every 21.4 hours in the State of Missouri.
- In 86.7% of the school bus traffic crashes, one or more school buses were directly involved in the incident. In 13.3% of the cases, a school bus signal was associated with the crash.
- Of all 2006 school bus crashes, the first harmful event in 76.0% of the cases involved one motor vehicle in transport striking another motor vehicle in transport. In 16.4% of the cases one motor vehicle in transport struck a parked vehicle.
- Of all 2006 school bus traffic crashes, 68.1% occurred in urban areas of the State and 31.9% occurred in rural areas.
- Of all 2006 school bus traffic crashes, 58.6% occurred on a city street, 12.2% occurred on a county road, and 9.7% occurred on a state numbered road.
- Of all school bus drivers in traffic crashes, 39.5% were male and 60.5% were female. The average age of school bus drivers was 46.9 years.

2006 MISSOURI TRAFFIC CRASHES

SCHOOL BUS INVOLVEMENT

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	TOTAL NUMBER¹ KILLED	INJURED	SCHOOL BUS DRIVERS/PASSENGERS² KILLED	INJURED
SCHOOL BUS INVOLVED	3	0.3	187	0.5	891	0.8	1,081	0.7	3	406	0	219
NO SCHOOL BUS INVOLVED	950	99.7	40,584	99.5	114,418	99.2	155,952	99.3	1,070	59,699	-	-
UNKNOWN ³	18	-	1,367	-	8,725	-	10,110	-	23	1,973	-	-
TOTAL	971	100.0	42,138	100.0	124,034	100.0	167,143	100.0	1,096	62,078	0	219

¹This statistic indicates the total number of persons killed and injured in a crash where one or more school buses / signals were involved.

²This statistic indicates the number of school bus drivers and passengers in the school bus killed and injured.

³Crashes were classified as unknown if the following conditions exist: none of the vehicles involved in the crash was a school bus or no school bus signals were involved and the body type of one or more vehicles in the crash was not known.

TABLE 3.7.1

DIRECT SCHOOL BUS INVOLVEMENT IN 2006 MISSOURI SCHOOL BUS CRASHES

STATUS BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
NONE INVOLVED ¹	1	33.3	42	22.5	101	11.3	144	13.3
1 INVOLVED	2	66.7	142	75.9	775	87.0	919	85.0
2 INVOLVED	0	0.0	3	1.6	15	1.7	18	1.7
TOTAL	3	100.0	187	100.0	891	100.0	1,081	100.0

¹Although a school bus was not directly involved in the traffic crash, a school bus signal was involved.

TABLE 3.7.2

2005 and 2006 SCHOOL BUS INVOLVED CRASH ANALYSIS

	2005	2006	RATE OF CHANGE
FATAL	3	3	= 0.0
PERSONAL INJURY	250	187	- 25.2
PROPERTY DAMAGE	987	891	- 9.7
TOTAL	1,240	1,081	- 12.8

TABLE 3.7.3

2006 SCHOOL BUS INVOLVED CRASHES

CRASH TYPE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
ANIMAL	0	0.0	0	0.0	7	0.8	7	0.7
BICYCLIST	0	0.0	3	1.6	1	0.1	4	0.4
FIXED OBJECT	0	0.0	14	7.5	34	3.8	48	4.4
OTHER OBJECT	0	0.0	1	0.5	4	0.5	5	0.5
PEDESTRIAN	1	33.3	11	5.9	0	0.0	12	1.1
TRAIN	0	0.0	0	0.0	0	0.0	0	0.0
VEHICLE IN TRANSPORT	2	66.7	148	79.1	671	75.3	821	76.0
VEHICLE ON OTHER ROADWAY	0	0.0	0	0.0	2	0.2	2	0.2
PARKED VEHICLE	0	0.0	7	3.7	170	19.1	177	16.4
NONCOLLISION OVERTURN	0	0.0	0	0.0	0	0.0	0	0.0
NONCOLLISION OTHER	0	0.0	3	1.6	2	0.2	5	0.5
TOTAL	3	100.0	187	100.0	891	100.0	1,081	100.0

TABLE 3.7.4

2006 SCHOOL BUS INVOLVED CRASHES

AREA CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
URBAN	2	66.7	113	60.4	621	69.7	736	68.1
RURAL	1	33.3	74	39.6	270	30.3	345	31.9
TOTAL	3	100.0	187	100.0	891	100.0	1,081	100.0

TABLE 3.7.5

2006 SCHOOL BUS INVOLVED CRASHES

ROAD CURVATURE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
STRAIGHT	3	100.0	164	88.2	781	89.0	948	88.8
CURVE	0	0.0	22	11.8	97	11.0	119	11.2
UNKNOWN	0	-	1	-	13	-	14	-
TOTAL	3	100.0	187	100.0	891	100.0	1,081	100.0

TABLE 3.7.6

2006 SCHOOL BUS INVOLVED CRASHES

ROAD INCLINE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
LEVEL	1	33.3	129	70.1	643	74.1	773	73.3
HILL	1	33.3	48	26.1	196	22.6	245	23.2
CREST	1	33.3	7	3.8	29	3.3	37	3.5
UNKNOWN	0	-	3	-	23	-	26	-
TOTAL	3	100.0	187	100.0	891	100.0	1,081	100.0

TABLE 3.7.7

2006 SCHOOL BUS INVOLVED CRASHES

ROAD CONDITIONS BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRY	3	100.0	151	80.7	750	84.5	904	83.9
WET	0	0.0	33	17.7	123	13.9	156	14.5
SNOW	0	0.0	1	0.5	8	0.9	9	0.8
ICE	0	0.0	0	0.0	6	0.7	6	0.6
SLUSH	0	0.0	0	0.0	0	0.0	0	0.0
MUD	0	0.0	2	1.1	0	0.0	2	0.2
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	-	0	-	4	-	4	-
TOTAL	3	100.0	187	100.0	891	100.0	1,081	100.0

TABLE 3.7.8

2006 SCHOOL BUS INVOLVED CRASHES

HIGHWAY CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	0	0.0	13	7.0	28	3.1	41	3.8
U.S. HIGHWAY	0	0.0	11	5.9	36	4.0	47	4.4
STATE NUMBERED	0	0.0	28	15.0	77	8.6	105	9.7
SINGLE STATE LETTERED	0	0.0	14	7.5	31	3.5	45	4.2
DOUBLE STATE LETTERED	0	0.0	8	4.3	19	2.1	27	2.5
OUTER ROAD	0	0.0	4	2.1	2	0.2	6	0.6
COUNTY ROAD	1	33.3	33	17.7	98	11.0	132	12.2
CITY STREET	1	33.3	74	39.6	558	62.6	633	58.6
INTERSTATE LOOP	0	0.0	0	0.0	1	0.1	1	0.1
OTHER ¹	1	33.3	2	1.1	41	4.6	44	4.1
TOTAL	3	100.0	187	100.0	891	100.0	1,081	100.0

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

TABLE 3.7.9

2006 SCHOOL BUS INVOLVED CRASHES

HIGHWAY CLASSIFICATION BY AREA CLASSIFICATION AND CRASH SEVERITY

	URBAN						RURAL									
	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	0	0.0	11	9.7	20	3.2	31	4.2	0	0.0	2	2.7	8	3.0	10	2.9
U.S. HIGHWAY	0	0.0	6	5.3	15	2.4	21	2.9	0	0.0	5	6.8	21	7.8	26	7.5
STATE NUMBERED	0	0.0	13	11.5	31	5.0	44	6.0	0	0.0	15	20.3	46	17.0	61	17.7
SINGLE STATE LETTERED	0	0.0	3	2.7	6	1.0	9	1.2	0	0.0	11	14.9	25	9.3	36	10.4
DOUBLE STATE LETTERED	0	0.0	2	1.8	6	1.0	8	1.1	0	0.0	6	8.1	13	4.8	19	5.5
OUTER ROAD	0	0.0	2	1.8	2	0.3	4	0.5	0	0.0	2	2.7	0	0.0	2	0.6
COUNTY ROAD	0	0.0	7	6.2	14	2.3	21	2.9	1	100.0	26	35.1	84	31.1	111	32.2
CITY STREET	1	50.0	67	59.3	504	81.2	572	77.7	0	0.0	7	9.5	54	20.0	61	17.7
INTERSTATE LOOP	0	0.0	0	0.0	1	0.2	1	0.1	0	0.0	0	0.0	0	0.0	0	0.0
OTHER ¹	1	50.0	2	1.8	22	3.5	25	3.4	0	0.0	0	0.0	19	7.0	19	5.5
TOTAL	2	100.0	113	100.0	621	100.0	736	100.0	1	100.0	74	100.0	270	100.0	345	100.0

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

TABLE 3.7.10

**2006 MISSOURI SCHOOL BUS INVOLVED CRASHES
MONTH OF YEAR**

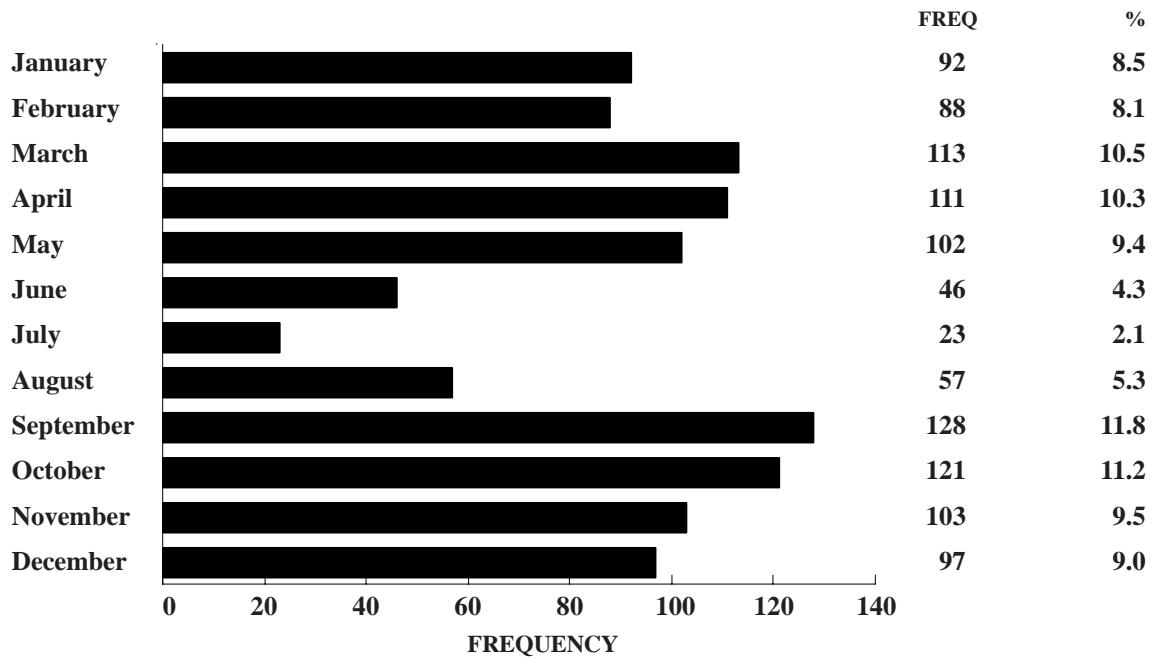
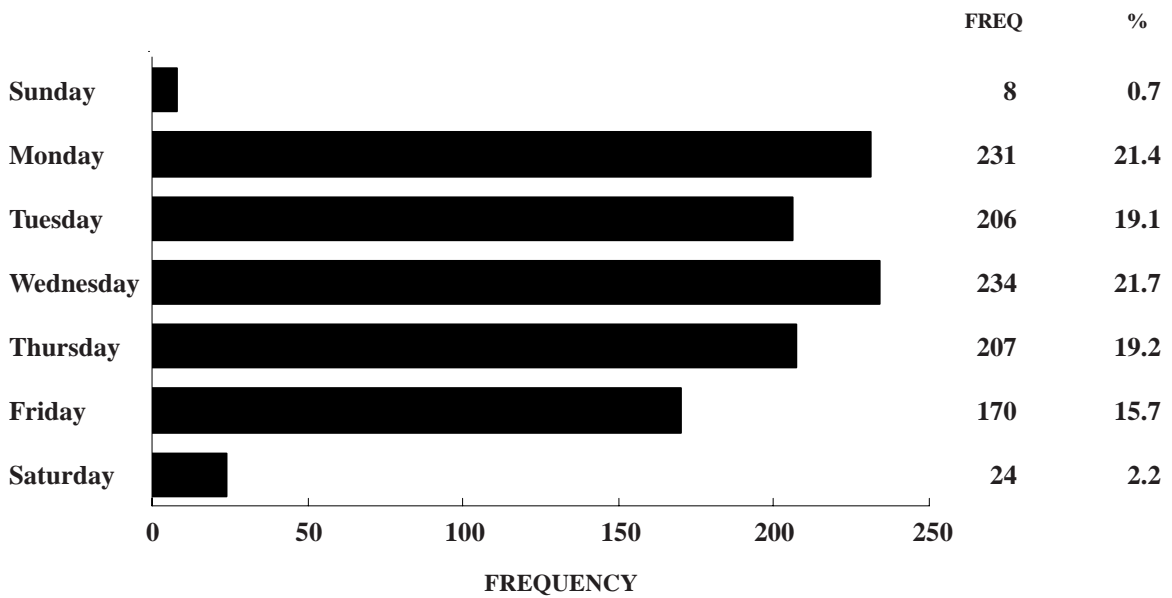


FIGURE 3.7.1

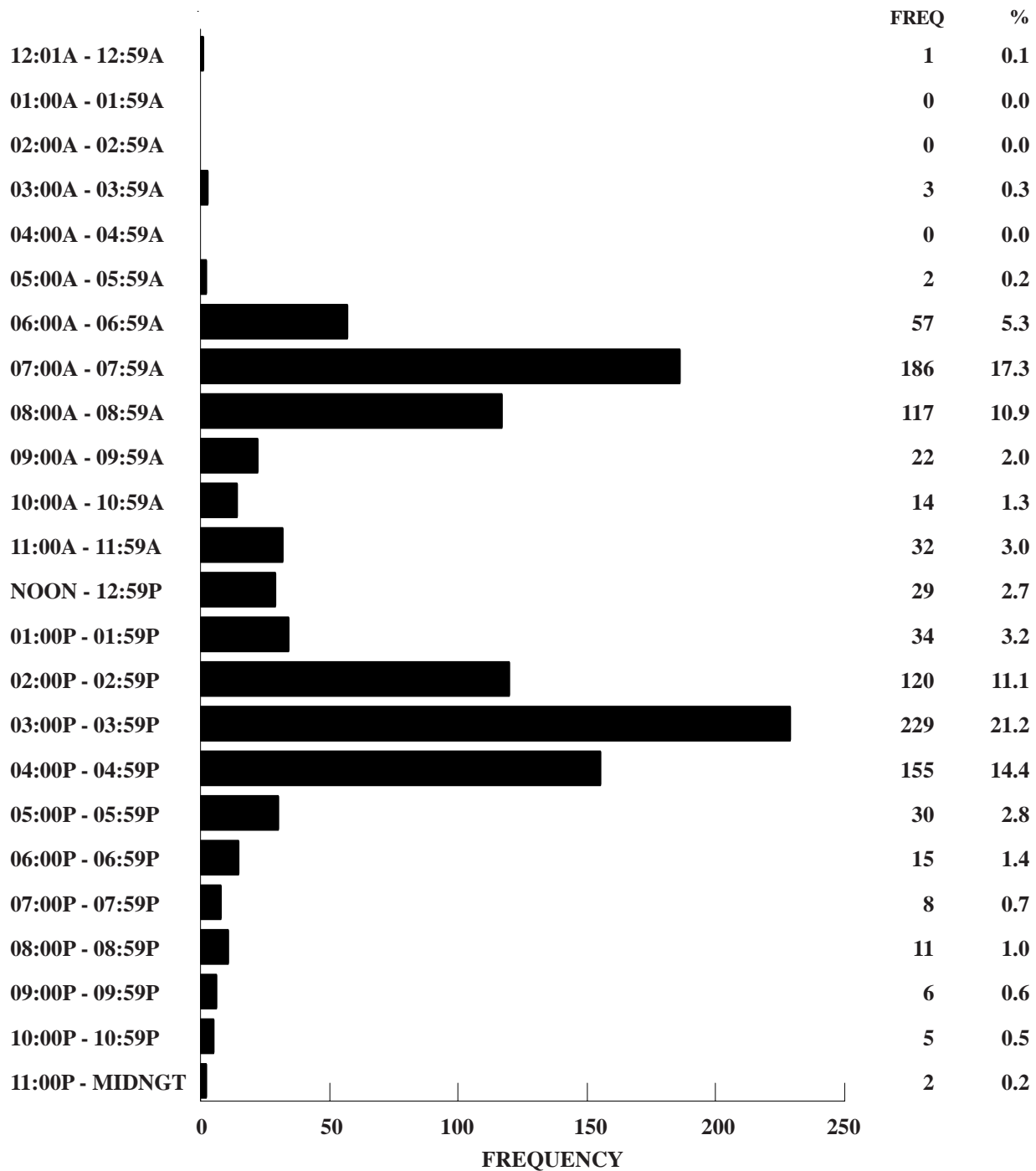
**2006 MISSOURI SCHOOL BUS INVOLVED CRASHES
DAY OF WEEK**



Unknown Data Not Included

FIGURE 3.7.2

**2006 MISSOURI SCHOOL BUS INVOLVED CRASHES
HOUR OF DAY**



Unknown Data Not Included

FIGURE 3.7.3

2006 MISSOURI SCHOOL BUS CRASHES

TYPE OF CIRCUMSTANCE INVOLVED BY CRASH SEVERITY AND PERSON CLASSIFICATION¹

FATAL SCHOOL BUS CRASHES = 3				TOTAL SCHOOL BUS CRASHES = 1,081		
	SCHOOL BUS DRIVER/VEH.	OTHER DRIVER/ VEHICLE/PED.	TOTAL FATAL	SCHOOL BUS DRIVER/VEH.	OTHER DRIVER/ VEHICLE/PED.	TOTAL CRASHES
VEHICLE DEFECTS	0.0	0.0	0.0	0.7	1.3	2.0
TRAFFIC CONTROL INOPERATIVE / MISSING	0.0	0.0	0.0	0.0	0.0	0.0
IMPROPERLY STOPPED ON ROADWAY	0.0	0.0	0.0	0.2	0.1	0.3
EXCEEDING SPEED LIMIT/ TOO FAST FOR CONDITIONS	0.0	66.7	66.7	1.4	8.4	9.5
IMPROPER PASSING	0.0	0.0	0.0	0.9	2.2	3.1
VIOLATION OF STOP SIGN	0.0	0.0	0.0	0.4	2.7	3.1
WRONG SIDE NOT PASSING	0.0	33.3	33.3	1.3	1.9	3.0
FOLLOWING TOO CLOSE	0.0	0.0	0.0	3.3	11.4	14.6
IMPROPER SIGNAL	0.0	0.0	0.0	0.0	0.2	0.2
IMPROPER BACKING	0.0	0.0	0.0	2.8	1.6	4.3
IMPROPER TURN	0.0	0.0	0.0	5.8	2.0	7.8
IMPROPER LANE USAGE / CHANGE	0.0	0.0	0.0	4.9	6.3	10.4
WRONG WAY ONE-WAY STREET	0.0	0.0	0.0	0.1	0.0	0.1
IMPROPER START FROM PARK	0.0	0.0	0.0	0.1	0.2	0.3
IMPROPERLY PARKED	0.0	0.0	0.0	0.2	1.2	1.4
FAILED TO YIELD	0.0	33.3	33.3	4.3	9.0	13.2
DRINKING	0.0	0.0	0.0	0.0	0.6	0.6
DRUGS	0.0	0.0	0.0	0.0	0.0	0.0
PHYSICAL IMPAIRMENT	0.0	0.0	0.0	0.0	0.6	0.6
INATTENTION	0.0	0.0	0.0	16.4	17.1	32.5

¹This table identifies the percentage of school bus crashes having a specific type of circumstance which contributed to the cause of the crash. This table further defines the percentage of crashes where the contributing circumstance was associated with the school bus driver or the school bus as well as those attributed to other persons and vehicles in the crash. For instance, when examining speed involvement in 2006 Missouri school bus crashes, it was found that a school bus driver was speeding in 1.4% of the crashes. In 8.4% of the crashes another driver was speeding. In 9.5% of the crashes either a school bus driver, another driver, or both drivers were speeding.

TABLE 3.7.11

SCHOOL BUSES IN 2006 MISSOURI CRASHES

DRIVER INVOLVEMENT BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRIVERLESS	0	0.0	1	0.7	13	1.6	14	1.5
KNOWN DRIVER INVOLVED	2	100.0	146	98.6	764	94.9	912	95.5
UNKNOWN DRIVER INVOLVED	0	0.0	1	0.7	28	3.5	29	3.0
TOTAL	2	100.0	148	100.0	805	100.0	955	100.0

TABLE 3.7.12

DRIVERS OF SCHOOL BUSES IN 2006 MISSOURI CRASHES

SEX OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MALE	1	50.0	50	34.3	309	40.5	360	39.5
FEMALE	1	50.0	96	65.7	455	59.5	552	60.5
UNKNOWN	0	-	1	-	28	-	29	-
TOTAL	2	100.0	147	100.0	792	100.0	941	100.0

TABLE 3.7.13

DRIVERS OF SCHOOL BUSES IN 2006 MISSOURI CRASHES

AGE OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AVERAGE AGE OF DRIVER	29.0	-	46.5	-	47.0	-	46.9	-
14 YEARS AND UNDER	0	0.0	0	0.0	0	0.0	0	0.0
15 - 20 YEARS	0	0.0	0	0.0	3	0.4	3	0.3
21 - 25 YEARS	0	0.0	6	4.2	49	6.4	55	6.1
26 - 30 YEARS	2	100.0	8	5.6	47	6.2	57	6.3
31 - 35 YEARS	0	0.0	19	13.2	88	11.6	107	11.8
36 - 40 YEARS	0	0.0	26	18.1	84	11.0	110	12.1
41 - 45 YEARS	0	0.0	14	9.7	86	11.3	100	11.0
46 - 50 YEARS	0	0.0	16	11.1	95	12.5	111	12.2
51 - 55 YEARS	0	0.0	16	11.1	74	9.7	90	9.9
56 - 60 YEARS	0	0.0	12	8.3	88	11.6	100	11.0
61 - 65 YEARS	0	0.0	15	10.4	62	8.1	77	8.5
66 YEARS AND OVER	0	0.0	12	8.3	86	11.3	98	10.8
UNKNOWN	0	-	3	-	30	-	33	-
TOTAL	2	100.0	147	100.0	792	100.0	941	100.0

TABLE 3.7.14

DRIVERS OF SCHOOL BUSES IN 2006 MISSOURI CRASHES

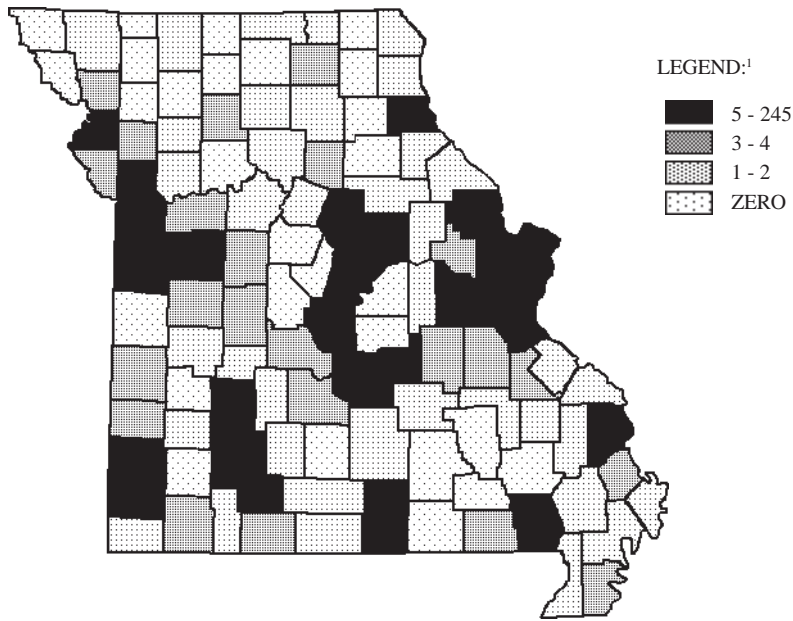
DRIVER'S LICENSE STATE AND TYPE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MISSOURI								
LEARNER'S PERMIT	0	0.0	0	0.0	0	0.0	0	0.0
OPERATOR'S LICENSE	0	0.0	19	13.2	103	13.6	122	13.5
MOTORCYCLE ONLY	0	0.0	0	0.0	1	0.1	1	0.1
COMMERCIAL DRIVER'S LICENSE	1	100.0	123	85.4	621	81.9	745	82.5
SUBTOTAL	1	100.0	142	98.6	725	95.6	868	96.1
OUT STATE								
LEARNER'S PERMIT	0	0.0	0	0.0	0	0.0	0	0.0
OPERATOR'S LICENSE	0	0.0	0	0.0	3	0.4	3	0.3
MOTORCYCLE ONLY	0	0.0	0	0.0	0	0.0	0	0.0
COMMERCIAL DRIVER'S LICENSE	0	0.0	2	1.4	29	3.8	31	3.4
SUBTOTAL	0	0.0	2	1.4	32	4.2	34	3.8
UNLICENSED	0	0.0	0	0.0	1	0.1	1	0.1
UNKNOWN	1	-	3	-	34	-	38	-
TOTAL	2	100.0	147	100.0	792	100.0	941	100.0

TABLE 3.7.15

2006 SCHOOL BUS INVOLVED CRASHES

COUNTY QUARTILE ANALYSIS



¹LEGEND CATEGORIES ARE BASED ON QUARTILES OF COUNTIES.

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
1.0	ST. LOUIS CITY	245	22.7	21.5	HOWELL	6	0.6
2.0	ST. LOUIS	216	20.0	21.5	MARION	6	0.6
3.0	JACKSON	166	15.4	21.5	MILLER	6	0.6
4.0	ST. CHARLES	47	4.3	25.0	BUCHANAN	5	0.5
5.0	BOONE	40	3.7	25.0	PHELPS	5	0.5
6.0	JEFFERSON	36	3.3	25.0	POLK	5	0.5
7.0	GREENE	28	2.6				
8.0	CLAY	16	1.5				First Quartile
9.0	FRANKLIN	15	1.4				
10.0	CASS	13	1.2				Second Quartile
11.0	JASPER	12	1.1	33.0	ADAIR	4	0.4
12.0	BUTLER	11	1.0	33.0	BARRY	4	0.4
13.5	CAPE GIRARDEAU	10	0.9	33.0	BARTON	4	0.4
13.5	PULASKI	10	0.9	33.0	BENTON	4	0.4
15.0	COLE	9	0.8	33.0	CAMDEN	4	0.4
16.0	NEWTON	8	0.7	33.0	HENRY	4	0.4
18.0	CALLAWAY	7	0.6	33.0	LACLEDE	4	0.4
18.0	JOHNSON	7	0.6	33.0	PETTIS	4	0.4
18.0	LINCOLN	7	0.6	33.0	PLATTE	4	0.4
21.5	CHRISTIAN	6	0.6	33.0	RANDOLPH	4	0.4
				33.0	ST. FRANCOIS	4	0.4

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
33.0	SCOTT	4	0.4	78.0	HOWARD	1	0.1
33.0	TANEY	4	0.4	78.0	LINN	1	0.1
44.5	ANDREW	3	0.3	78.0	MADISON	1	0.1
44.5	CLINTON	3	0.3	78.0	MONTGOMERY	1	0.1
44.5	CRAWFORD	3	0.3	78.0	OZARK	1	0.1
44.5	LAFAYETTE	3	0.3	78.0	PERRY	1	0.1
44.5	LIVINGSTON	3	0.3	78.0	PUTNAM	1	0.1
44.5	PEMISCOT	3	0.3	78.0	RALLS	1	0.1
44.5	RIPLEY	3	0.3	78.0	SCHUYLER	1	0.1
44.5	VERNON	3	0.3	78.0	STONE	1	0.1
44.5	WARREN	3	0.3	78.0	TEXAS	1	0.1
44.5	WASHINGTON	3	0.3				
Second Quartile				Third Quartile			
Third Quartile				Fourth Quartile			
59.0	BOLLINGER	2	0.2	101.5	ATCHISON	0	0.0
59.0	DALLAS	2	0.2	101.5	BATES	0	0.0
59.0	DENT	2	0.2	101.5	CARROLL	0	0.0
59.0	DUNKLIN	2	0.2	101.5	CARTER	0	0.0
59.0	HICKORY	2	0.2	101.5	CEDAR	0	0.0
59.0	IRON	2	0.2	101.5	COOPER	0	0.0
59.0	LEWIS	2	0.2	101.5	DAVISS	0	0.0
59.0	MC DONALD	2	0.2	101.5	DEKALB	0	0.0
59.0	MACON	2	0.2	101.5	GENTRY	0	0.0
59.0	MISSISSIPPI	2	0.2	101.5	GRUNDY	0	0.0
59.0	NEW MADRID	2	0.2	101.5	HOLT	0	0.0
59.0	NODAWAY	2	0.2	101.5	KNOX	0	0.0
59.0	PIKE	2	0.2	101.5	LAWRENCE	0	0.0
59.0	RAY	2	0.2	101.5	MARIES	0	0.0
59.0	ST. CLAIR	2	0.2	101.5	MERCER	0	0.0
59.0	STE. GENEVIEVE	2	0.2	101.5	MONITEAU	0	0.0
59.0	SALINE	2	0.2	101.5	MONROE	0	0.0
59.0	STODDARD	2	0.2	101.5	MORGAN	0	0.0
59.0	WEBSTER	2	0.2	101.5	OREGON	0	0.0
78.0	AUDRAIN	1	0.1	101.5	OSAGE	0	0.0
78.0	CALDWELL	1	0.1	101.5	REYNOLDS	0	0.0
78.0	CHARITON	1	0.1	101.5	SCOTLAND	0	0.0
78.0	CLARK	1	0.1	101.5	SHANNON	0	0.0
78.0	DADE	1	0.1	101.5	SHELBY	0	0.0
78.0	DOUGLAS	1	0.1	101.5	SULLIVAN	0	0.0
78.0	GASCONADE	1	0.1	101.5	WAYNE	0	0.0
78.0	HARRISON	1	0.1	101.5	WORTH	0	0.0
				101.5	WRIGHT	0	0.0

TABLE 3.7.16

2006 SCHOOL BUS INVOLVED CRASHES

CITY LISTING

RANK	CITY	FREQUENCY	PERCENT¹
1.0	ST. LOUIS	245	29.7
2.0	KANSAS CITY	124	15.0
3.0	COLUMBIA	33	4.0
4.0	INDEPENDENCE	22	2.7
5.0	FLORISSANT	18	2.2
6.0	SPRINGFIELD	14	1.7
7.5	KIRKWOOD	12	1.5
7.5	ST. PETERS	12	1.5
9.0	O'FALLON	10	1.2
10.5	JOPLIN	9	1.1
10.5	WILDWOOD	9	1.1
12.5	JEFFERSON CITY	8	1.0
12.5	ST. CHARLES	8	1.0
15.0	BLUE SPRINGS	7	0.8
15.0	HAZELWOOD	7	0.8
15.0	LEE'S SUMMIT	7	0.8
18.0	CHESTERFIELD	6	0.7
18.0	JENNINGS	6	0.7
18.0	LIBERTY	6	0.7
21.0	HANNIBAL	5	0.6
21.0	SUNSET HILLS	5	0.6
21.0	WEBSTER GROVES	5	0.6
26.5	BOLIVAR	4	0.5
26.5	MANCHESTER	4	0.5
26.5	MARYLAND HEIGHTS	4	0.5
26.5	MOBERLY	4	0.5
26.5	PAGEDALE	4	0.5
26.5	POPLAR BLUFF	4	0.5
26.5	ST. JOSEPH	4	0.5
26.5	UNIVERSITY CITY	4	0.5

¹Percentage is based on school bus 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 3.7.17

**MISSOURI FATAL AND PERSONAL INJURY SCHOOL BUS INVOLVED CRASHES
ANNUAL TIME SERIES**

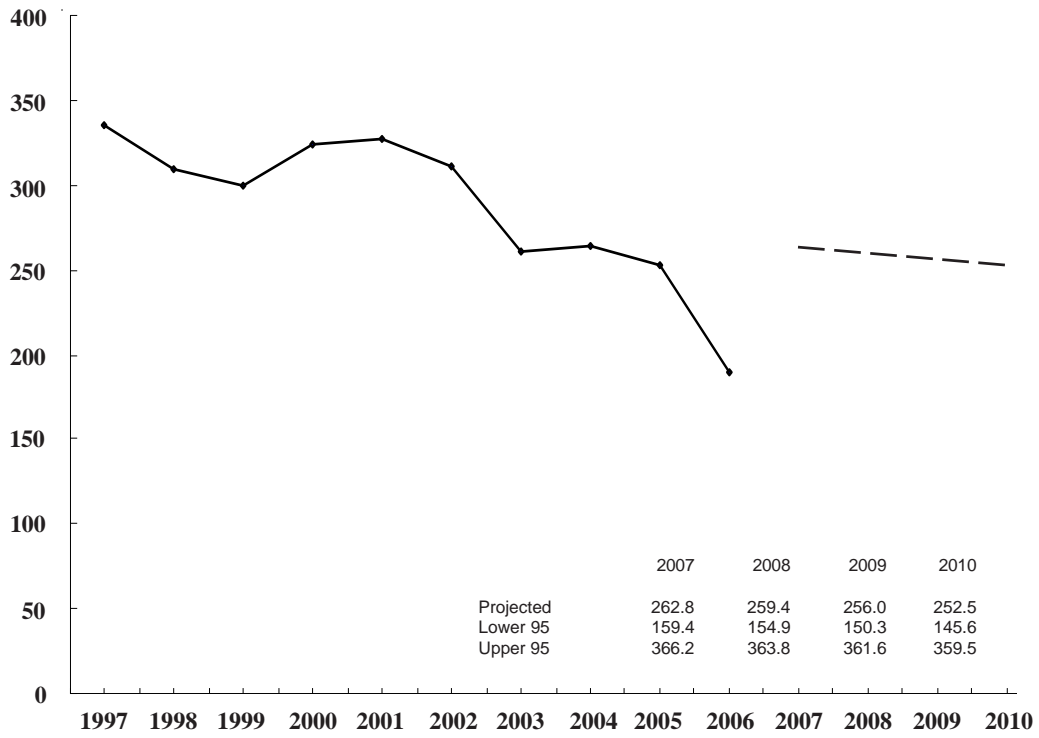


FIGURE 3.7.4

3.8 BICYCLE INVOLVEMENT

This section presents a series of data displays which identify bicycle involvement in Missouri's traffic crash experience. Bicycle involved traffic crashes are defined as any crash in which one or more bicycles were directly involved in the incident. Data displays also are provided which describe characteristics of the bicyclist as well as other drivers and vehicles in the traffic crash.

2006 SUMMARY ANALYSIS

- Of all 2006 Missouri traffic crashes, 0.5% involved a bicycle. Of all fatal traffic crashes, 0.7% involved a bicycle. Seven persons were killed and 601 were injured in these traffic crashes.
- There was an increase of 2.7% in the rate of change when comparing total 2006 bicycle-related traffic crashes with those in 2005.
- In 2006, one person was killed or injured in a bicycle traffic crash every 14.4 hours in the State of Missouri.
- Of all 2006 bicycle traffic crashes, 82.0% occurred in an urban area and 18.0% occurred in a rural area of the State.
- Of all 2006 bicycle traffic crashes, 70.6% occurred on a city street.
- Of all 2006 bicycle traffic crashes, 69.9% occurred from April through October.
- Of all bicycle drivers in traffic crashes, 81.1% were male and 18.9% were female. The average age of bicycle drivers was 24.6 years.
- Of all other types of vehicles in bicycle crashes, 62.8% were automobiles and 15.4% were pickup trucks.

2006 MISSOURI TRAFFIC CRASHES

BICYCLE INVOLVEMENT

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	TOTAL NUMBER¹ KILLED	TOTAL NUMBER¹ INJURED	BICYCLE DRIVERS/PASSENGERS² KILLED	BICYCLE DRIVERS/PASSENGERS² INJURED
BICYCLE INVOLVED	7	0.7	585	1.4	135	0.1	727	0.5	7	601	7	595
NO BICYCLE INVOLVED	960	99.3	41,317	98.6	119,477	99.9	161,754	99.5	1,085	61,120	-	-
UNKNOWN ³	4	-	236	-	4,422	-	4,662	-	4	357	-	-
TOTAL	971	100.0	42,138	100.0	124,034	100.0	167,143	100.0	1,096	62,078	7	595

¹This statistic indicates the total number of persons killed and injured in a crash where one or more bicycles were involved.

²This statistic indicates the number of bicycle drivers and passengers killed and injured.

³Crashes were classified as unknown if the following conditions exist: none of the vehicles involved in the crash was a bicycle and the body type of one or more vehicles involved in the accident was not known.

TABLE 3.8.1

2005 and 2006 BICYCLE INVOLVED CRASH ANALYSIS

	2005	2006	RATE OF CHANGE
FATAL	8	7	- 12.5
PERSONAL INJURY	564	585	+ 3.7
PROPERTY DAMAGE	136	135	- 0.7
TOTAL	708	727	+ 2.7

TABLE 3.8.2

2006 BICYCLE INVOLVED CRASHES

AREA CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
URBAN	3	42.9	479	81.9	114	84.4	596	82.0
RURAL	4	57.1	106	18.1	21	15.6	131	18.0
TOTAL	7	100.0	585	100.0	135	100.0	727	100.0

TABLE 3.8.3

2006 BICYCLE INVOLVED CRASHES

ROAD CURVATURE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
STRAIGHT	6	85.7	564	96.6	129	97.0	699	96.6
CURVE	1	14.3	20	3.4	4	3.0	25	3.4
UNKNOWN	0	-	1	-	2	-	3	-
TOTAL	7	100.0	585	100.0	135	100.0	727	100.0

TABLE 3.8.4

2006 BICYCLE INVOLVED CRASHES

ROAD INCLINE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
LEVEL	1	14.3	417	71.8	107	81.1	525	72.9
HILL	6	85.7	151	26.0	23	17.4	180	25.0
CREST	0	0.0	13	2.2	2	1.5	15	2.1
UNKNOWN	0	-	4	-	3	-	7	-
TOTAL	7	100.0	585	100.0	135	100.0	727	100.0

TABLE 3.8.5

2006 BICYCLE INVOLVED CRASHES

ROAD CONDITIONS BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRY	6	85.7	552	94.7	128	94.8	686	94.6
WET	1	14.3	30	5.2	7	5.2	38	5.2
SNOW	0	0.0	0	0.0	0	0.0	0	0.0
ICE	0	0.0	1	0.2	0	0.0	1	0.1
SLUSH	0	0.0	0	0.0	0	0.0	0	0.0
MUD	0	0.0	0	0.0	0	0.0	0	0.0
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	-	0	-	2	-
TOTAL	7	100.0	585	100.0	135	100.0	727	100.0

TABLE 3.8.6

2006 BICYCLE INVOLVED CRASHES

HIGHWAY CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	0	0.0	1	0.2	0	0.0	1	0.1
U.S. HIGHWAY	1	14.3	22	3.8	6	4.4	29	4.0
STATE NUMBERED	2	28.6	51	8.7	8	5.9	61	8.4
SINGLE STATE LETTERED	1	14.3	18	3.1	0	0.0	19	2.6
DOUBLE STATE LETTERED	0	0.0	5	0.9	0	0.0	5	0.7
OUTER ROAD	0	0.0	2	0.3	1	0.7	3	0.4
COUNTY ROAD	0	0.0	39	6.7	13	9.6	52	7.2
CITY STREET	2	28.6	411	70.3	100	74.1	513	70.6
INTERSTATE LOOP	0	0.0	2	0.3	1	0.7	3	0.4
OTHER ¹	1	14.3	34	5.8	6	4.4	41	5.6
TOTAL	7	100.0	585	100.0	135	100.0	727	100.0

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

TABLE 3.8.7

**2006 MISSOURI BICYCLE INVOLVED CRASHES
MONTH OF YEAR**

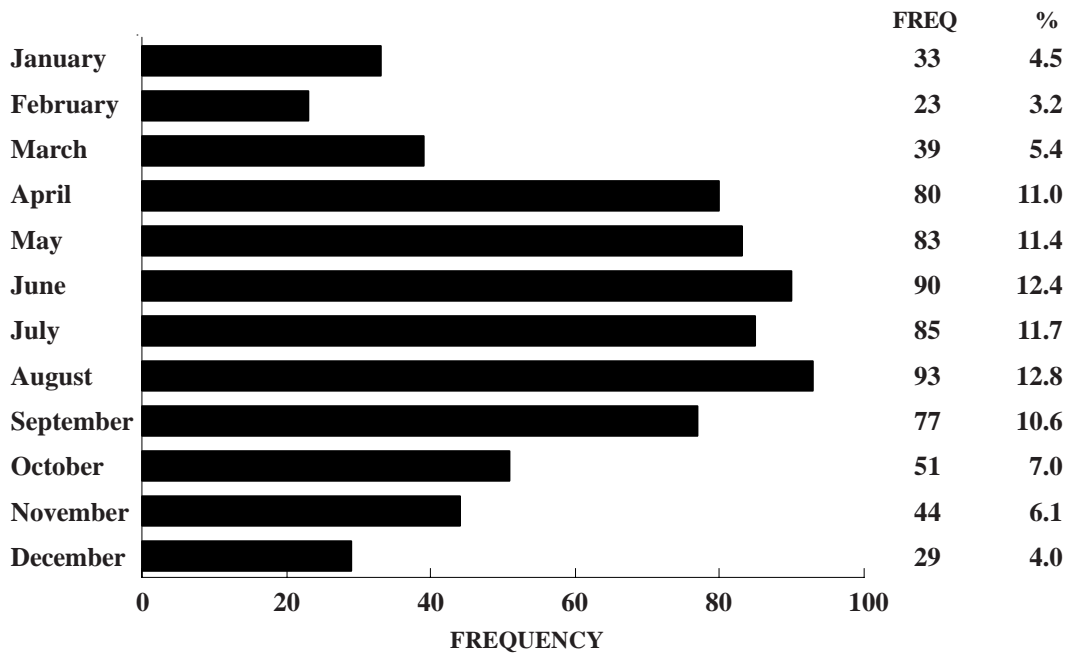


FIGURE 3.8.1

**2006 MISSOURI BICYCLE INVOLVED CRASHES
DAY OF WEEK**

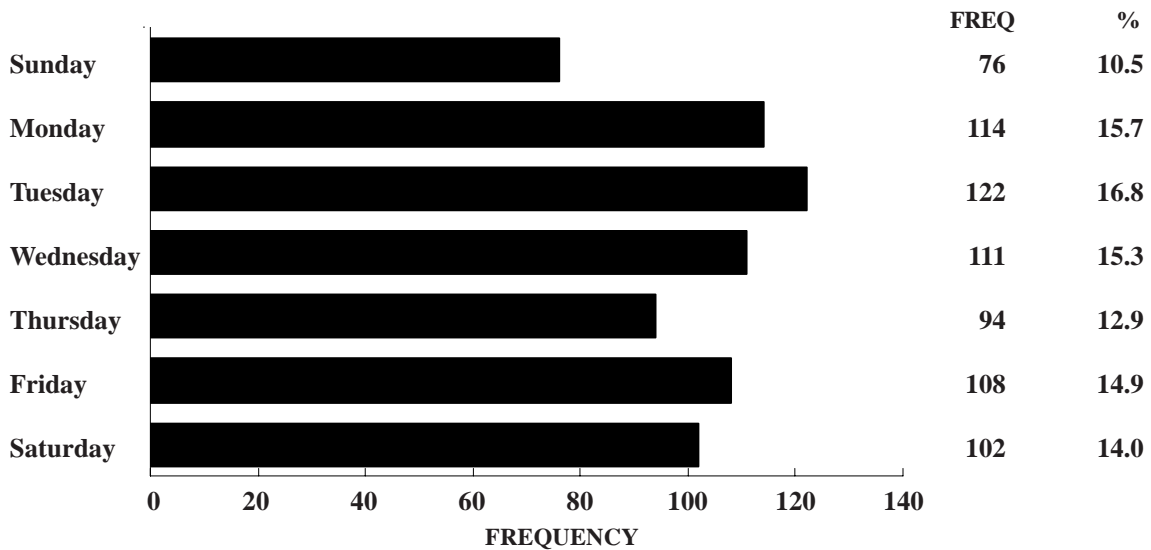
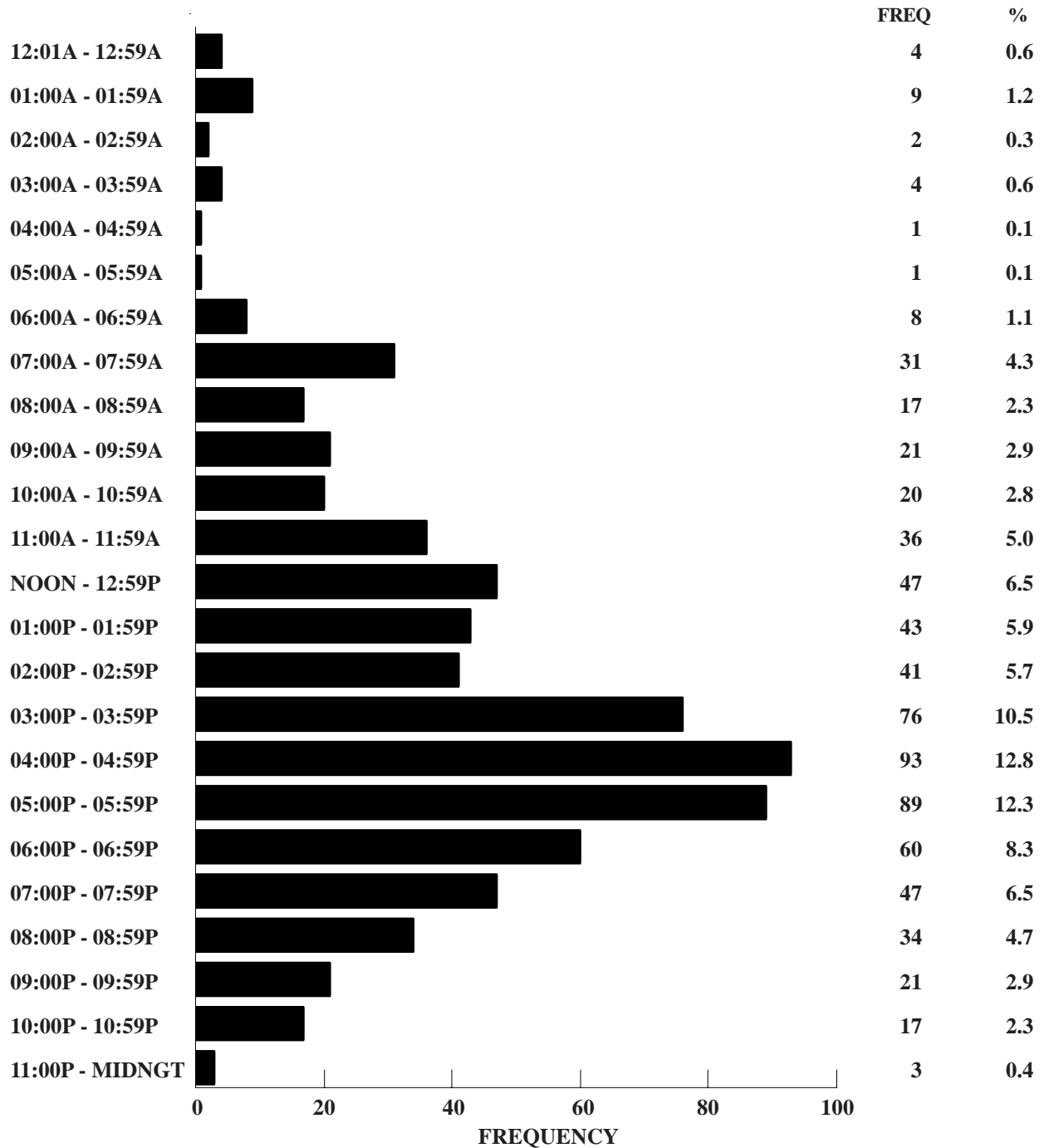


FIGURE 3.8.2

**2006 MISSOURI BICYCLE INVOLVED CRASHES
HOUR OF DAY**



Unknown Data Not Included

FIGURE 3.8.3

2006 MISSOURI BICYCLE CRASHES

TYPE OF CIRCUMSTANCE INVOLVED BY CRASH SEVERITY AND PERSON CLASSIFICATION¹

	FATAL BICYCLE CRASHES = 7			TOTAL BICYCLE CRASHES = 727		
	BICYCLE DRIVER/VEH.	OTHER DRIVER/VEHICLE/PED.	TOTAL FATAL	BICYCLE DRIVER/VEH.	OTHER DRIVER/VEHICLE/PED.	TOTAL CRASHES
VEHICLE DEFECTS	0.0	0.0	0.0	3.7	0.3	4.0
TRAFFIC CONTROL INOPERATIVE / MISSING	0.0	0.0	0.0	0.0	0.3	0.3
IMPROPERLY STOPPED ON ROADWAY	0.0	0.0	0.0	0.1	0.1	0.2
EXCEEDING SPEED LIMIT / TOO FAST FOR CONDITIONS	0.0	14.3	14.3	1.4	3.3	4.7
IMPROPER PASSING	14.3	0.0	14.3	0.4	1.5	1.9
VIOLATION OF STOP SIGN	28.6	0.0	28.6	10.7	1.9	12.5
WRONG SIDE NOT PASSING	0.0	0.0	0.0	4.5	0.1	4.6
FOLLOWING TOO CLOSE	0.0	0.0	0.0	0.6	1.7	2.2
IMPROPER SIGNAL	0.0	0.0	0.0	0.4	0.1	0.5
IMPROPER BACKING	0.0	0.0	0.0	0.0	0.1	0.1
IMPROPER TURN	0.0	0.0	0.0	1.5	0.7	2.2
IMPROPER LANE USAGE / CHANGE	14.3	14.3	28.6	5.8	1.8	7.4
WRONG WAY ONE-WAY STREET	0.0	0.0	0.0	1.4	0.3	1.7
IMPROPER START FROM PARK	0.0	0.0	0.0	0.1	0.0	0.1
IMPROPERLY PARKED	0.0	0.0	0.0	0.0	0.0	0.0
FAILED TO YIELD	28.6	14.3	42.9	26.1	15.0	40.3
DRINKING	0.0	0.0	0.0	1.9	1.0	2.8
DRUGS	0.0	0.0	0.0	0.3	0.1	0.4
PHYSICAL IMPAIRMENT	0.0	0.0	0.0	0.0	0.1	0.1
INATTENTION	28.6	28.6	42.9	23.1	18.0	35.6

¹This table identifies the percentage of bicycle crashes having a specific type of circumstance which contributed to the cause of the crash. This table further defines the percentage of crashes where the contributing circumstance was associated with the bicyclist or his bicycle as well as those attributed to other persons and vehicles in the crash. For instance, when examining driver failure to yield in 2006 Missouri bicycle crashes, it was found that a bicyclist failed to yield in 26.1% of the crashes. In 15.0% of the crashes another driver failed to yield. In 40.3% of the crashes either a bicyclist, another driver, or both drivers failed to yield.

TABLE 3.8.8

BICYCLES IN 2006 MISSOURI CRASHES
DRIVER INVOLVEMENT BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRIVERLESS	0	0.0	0	0.0	0	0.0	0	0.0
KNOWN DRIVER INVOLVED	7	100.0	589	99.7	125	91.2	721	98.1
UNKNOWN DRIVER INVOLVED	0	0.0	2	0.3	12	8.8	14	1.9
TOTAL	7	100.0	591	100.0	137	100.0	735	100.0

TABLE 3.8.9

BICYCLE DRIVERS IN 2006 MISSOURI CRASHES
SEX OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MALE	5	71.4	474	80.5	103	84.4	582	81.1
FEMALE	2	28.6	115	19.5	19	15.6	136	18.9
UNKNOWN	0	-	2	-	15	-	17	-
TOTAL	7	100.0	591	100.0	137	100.0	735	100.0

TABLE 3.8.10

BICYCLE DRIVERS IN 2006 MISSOURI CRASHES

AGE OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AVERAGE AGE OF DRIVER	43.1	-	24.5	-	24.1	-	24.6	-
5 YEARS AND UNDER	0	0.0	13	2.3	1	0.9	14	2.0
6 - 10 YEARS	0	0.0	82	14.3	12	10.4	94	13.5
11 - 15 YEARS	0	0.0	136	23.7	28	24.4	164	23.6
16 - 20 YEARS	0	0.0	91	15.9	21	18.3	112	16.1
21 - 25 YEARS	1	14.3	51	8.9	11	9.6	63	9.1
26 - 30 YEARS	0	0.0	45	7.9	11	9.6	56	8.1
31 - 35 YEARS	1	14.3	19	3.3	7	6.1	27	3.9
36 - 40 YEARS	1	14.3	23	4.0	4	3.5	28	4.0
41 - 45 YEARS	2	28.6	29	5.1	7	6.1	38	5.5
46 - 50 YEARS	1	14.3	27	4.7	7	6.1	35	5.0
51 - 55 YEARS	0	0.0	19	3.3	2	1.7	21	3.0
56 - 60 YEARS	0	0.0	16	2.8	2	1.7	18	2.6
61 - 65 YEARS	0	0.0	10	1.8	2	1.7	12	1.7
66 YEARS AND OVER	1	14.3	12	2.1	0	0.0	13	1.9
UNKNOWN	0	-	18	-	22	-	40	-
TOTAL	7	100.0	591	100.0	137	100.0	735	100.0

TABLE 3.8.11

2006 BICYCLE INVOLVED CRASHES¹

OTHER TYPES OF VEHICLES INVOLVED BY CRASH SEVERITY

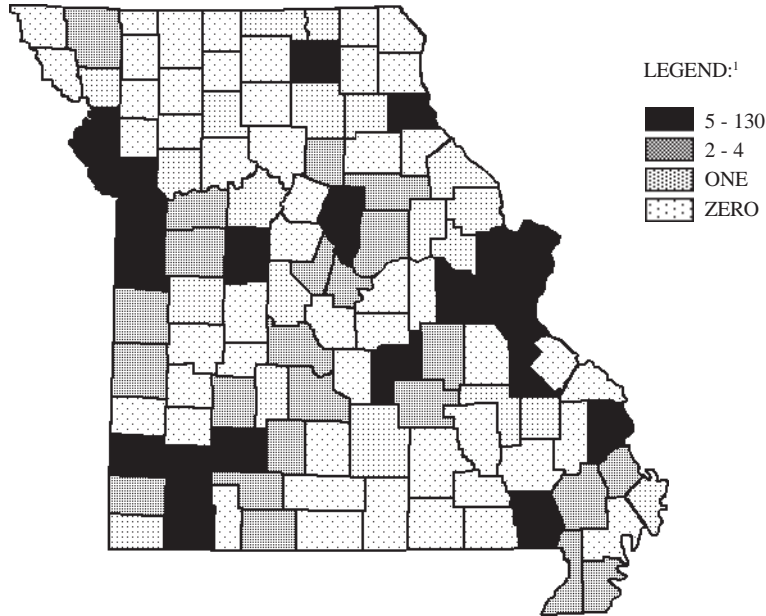
	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AUTOMOBILE	0	0.0	373	63.5	84	62.7	457	62.8
SPORT UTILITY VEHICLE	1	14.3	73	12.4	18	13.4	92	12.6
LIMOUSINE	0	0.0	0	0.0	0	0.0	0	0.0
VAN	0	0.0	35	6.0	12	9.0	47	6.5
BUS	0	0.0	3	0.5	2	1.5	5	0.7
SCHOOL BUS	0	0.0	3	0.5	1	0.8	4	0.6
MOTORCYCLE	0	0.0	2	0.3	0	0.0	2	0.3
MOPED	0	0.0	0	0.0	0	0.0	0	0.0
MOTOR HOME / CAMPER	0	0.0	0	0.0	0	0.0	0	0.0
FARM EQUIPMENT	0	0.0	0	0.0	0	0.0	0	0.0
CONSTRUCTION EQUIPMENT	0	0.0	0	0.0	0	0.0	0	0.0
OTHER TRANSPORT DEVICE	0	0.0	1	0.2	0	0.0	1	0.1
PICKUP TRUCK	3	42.9	95	16.2	14	10.5	112	15.4
OTHER TRUCKS	3	42.9	2	0.3	3	2.2	8	1.1
ALL TERRAIN VEHICLE	0	0.0	0	0.0	0	0.0	0	0.0
UNKNOWN	0	-	2	-	1	-	3	-
TOTAL	7	100.0	589	100.0	135	100.0	731	100.0

¹This table includes all vehicle types (excluding bicycles) involved in bicycle crashes.

TABLE 3.8.12

2006 BICYCLE INVOLVED CRASHES

COUNTY QUARTILE ANALYSIS



¹LEGEND CATEGORIES ARE BASED ON QUARTILES OF COUNTIES.

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
1.0	ST. LOUIS	130	17.9	21.5	LAWRENCE	5	0.7
2.0	ST. LOUIS CITY	128	17.6	21.5	PLATTE	5	0.7
3.0	JACKSON	108	14.9	First Quartile			
4.0	GREENE	58	8.0	-----			
5.0	ST. CHARLES	46	6.3	Second Quartile			
6.0	BOONE	27	3.7	24.5	LAFAYETTE	4	0.6
7.0	JASPER	26	3.6	24.5	NEWTON	4	0.6
8.5	CAPE GIRARDEAU	14	1.9	24.5	SCOTT	4	0.6
8.5	CLAY	14	1.9	24.5	TANEY	4	0.6
10.0	ST. FRANCOIS	10	1.4	31.5	AUDRAIN	3	0.4
11.5	BUCHANAN	9	1.2	31.5	CAMDEN	3	0.4
11.5	CASS	9	1.2	31.5	COLE	3	0.4
13.0	ADAIR	8	1.1	31.5	DUNKLIN	3	0.4
15.5	FRANKLIN	7	1.0	31.5	LACLEDE	3	0.4
15.5	JEFFERSON	7	1.0	31.5	NODAWAY	3	0.4
15.5	MARION	7	1.0	31.5	PEMISCOT	3	0.4
15.5	PETTIS	7	1.0	31.5	POLK	3	0.4
19.0	BARRY	6	0.8	31.5	RANDOLPH	3	0.4
19.0	BUTLER	6	0.8	31.5	STODDARD	3	0.4
19.0	PHELPS	6	0.8	41.0	BATES	2	0.3

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
41.0	CALLAWAY	2	0.3	90.5	CHARITON	0	0.0
41.0	CHRISTIAN	2	0.3	90.5	CLARK	0	0.0
41.0	CRAWFORD	2	0.3	90.5	CLINTON	0	0.0
41.0	DENT	2	0.3	90.5	COOPER	0	0.0
41.0	JOHNSON	2	0.3	90.5	DADE	0	0.0
41.0	MONITEAU	2	0.3	90.5	DAVISS	0	0.0
41.0	VERNON	2	0.3	90.5	DE KALB	0	0.0
41.0	WEBSTER	2	0.3	90.5	DOUGLAS	0	0.0
Second Quartile				90.5	GASCONADE	0	0.0
Third Quartile				90.5	GENTRY	0	0.0
55.5	ANDREW	1	0.1	90.5	GRUNDY	0	0.0
55.5	DALLAS	1	0.1	90.5	HARRISON	0	0.0
55.5	HENRY	1	0.1	90.5	HICKORY	0	0.0
55.5	IRON	1	0.1	90.5	HOLT	0	0.0
55.5	LINCOLN	1	0.1	90.5	HOWARD	0	0.0
55.5	LIVINGSTON	1	0.1	90.5	HOWELL	0	0.0
55.5	MC DONALD	1	0.1	90.5	KNOX	0	0.0
55.5	MACON	1	0.1	90.5	LEWIS	0	0.0
55.5	MADISON	1	0.1	90.5	LINN	0	0.0
55.5	MISSISSIPPI	1	0.1	90.5	MARIES	0	0.0
55.5	MONTGOMERY	1	0.1	90.5	MERCER	0	0.0
55.5	MORGAN	1	0.1	90.5	MILLER	0	0.0
55.5	PIKE	1	0.1	90.5	MONROE	0	0.0
55.5	PUTNAM	1	0.1	90.5	NEW MADRID	0	0.0
55.5	RAY	1	0.1	90.5	OREGON	0	0.0
55.5	SALINE	1	0.1	90.5	OSAGE	0	0.0
55.5	SCHUYLER	1	0.1	90.5	OZARK	0	0.0
55.5	SHELBY	1	0.1	90.5	PERRY	0	0.0
55.5	TEXAS	1	0.1	90.5	PULASKI	0	0.0
55.5	WARREN	1	0.1	90.5	RALLS	0	0.0
Third Quartile				90.5	REYNOLDS	0	0.0
Fourth Quartile				90.5	RIPLEY	0	0.0
90.5	ATCHISON	0	0.0	90.5	ST. CLAIR	0	0.0
90.5	BARTON	0	0.0	90.5	STE. GENEVIEVE	0	0.0
90.5	BENTON	0	0.0	90.5	SCOTLAND	0	0.0
90.5	BOLLINGER	0	0.0	90.5	SHANNON	0	0.0
90.5	CALDWELL	0	0.0	90.5	STONE	0	0.0
90.5	CARROLL	0	0.0	90.5	SULLIVAN	0	0.0
90.5	CARTER	0	0.0	90.5	WASHINGTON	0	0.0
90.5	CEDAR	0	0.0	90.5	WAYNE	0	0.0
				90.5	WORTH	0	0.0
				90.5	WRIGHT	0	0.0

TABLE 3.8.13

2006 BICYCLE INVOLVED CRASHES

CITY LISTING

RANK	CITY	FREQUENCY	PERCENT ¹
1.0	ST. LOUIS	128	19.6
2.0	KANSAS CITY	75	11.5
3.0	SPRINGFIELD	49	7.5
4.0	COLUMBIA	23	3.5
5.0	JOPLIN	20	3.1
6.0	INDEPENDENCE	19	2.9
7.0	O'FALLON	16	2.5
8.0	CAPE GIRARDEAU	12	1.8
9.0	ST. PETERS	11	1.7
10.0	ST. JOSEPH	9	1.4
13.0	FARMINGTON	8	1.2
13.0	FLORISSANT	8	1.2
13.0	HAZELWOOD	8	1.2
13.0	KIRKSVILLE	8	1.2
13.0	LEE'S SUMMIT	8	1.2
16.5	ST. CHARLES	7	1.1
16.5	SEDALIA	7	1.1
19.0	BLUE SPRINGS	6	0.9
19.0	HANNIBAL	6	0.9
19.0	UNIVERSITY CITY	6	0.9
23.0	CREVE COEUR	5	0.8
23.0	LIBERTY	5	0.8
23.0	RICHMOND HEIGHTS	5	0.8
23.0	ROLLA	5	0.8
23.0	WEBB CITY	5	0.8
30.0	BALLWIN	4	0.6
30.0	BELTON	4	0.6
30.0	BRANSON	4	0.6
30.0	BRECKENRIDGE HILLS	4	0.6
30.0	JENNINGS	4	0.6
30.0	POPLAR BLUFF	4	0.6
30.0	RAYTOWN	4	0.6
30.0	REPUBLIC	4	0.6
30.0	ST. ANN	4	0.6
40.5	BOLIVAR	3	0.5
40.5	BRIDGETON	3	0.5
40.5	CARTHAGE	3	0.5
40.5	CASSVILLE	3	0.5
40.5	CHESTERFIELD	3	0.5
40.5	DE SOTO	3	0.5
40.5	DEXTER	3	0.5
40.5	KIRKWOOD	3	0.5
40.5	MARYVILLE	3	0.5
40.5	MOBERLY	3	0.5
40.5	OVERLAND	3	0.5
40.5	TOWN AND COUNTRY	3	0.5

¹Percentage is based on bicycle 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 3.8.14

**MISSOURI FATAL AND PERSONAL INJURY BICYCLE INVOLVED CRASHES
ANNUAL TIME SERIES**

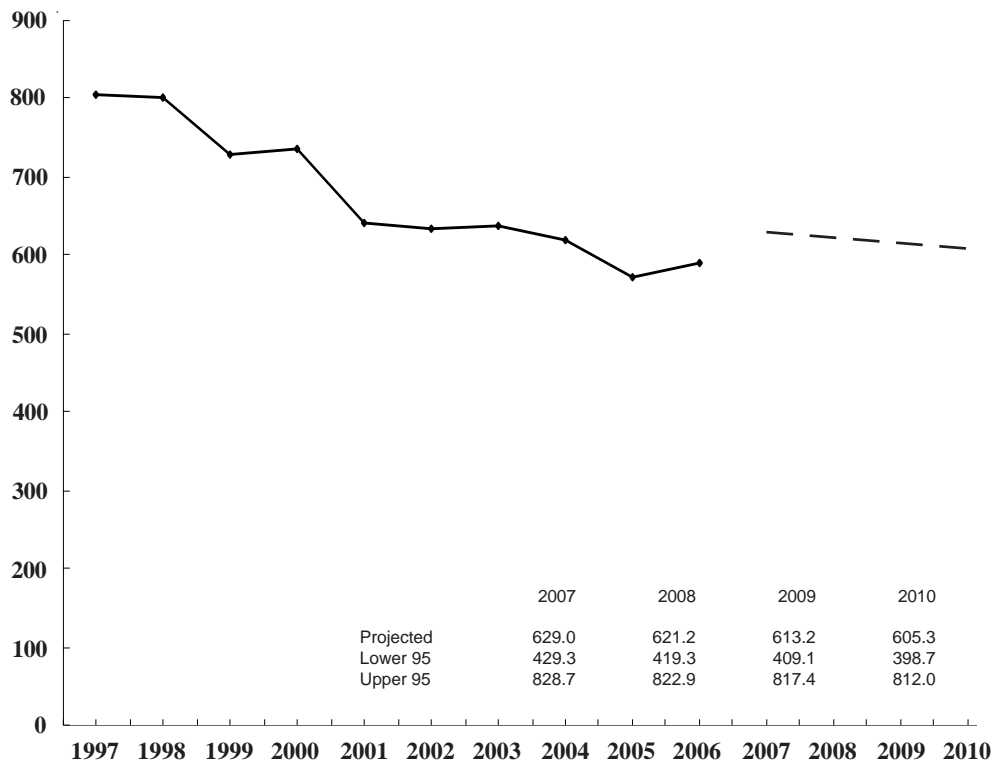


FIGURE 3.8.4

3.9 PEDESTRIAN INVOLVEMENT

This section presents a series of data displays which describe pedestrian involvement in Missouri's traffic crash experience. Pedestrian crashes are defined as any crash in which one or more pedestrians were directly involved in the incident. The pedestrian may have been involved in the first harmful event or in a secondary event associated with the traffic crash. In either case, they would be included in this analysis. Data displays also are provided which identify characteristics of the pedestrian as well as the vehicle and driver that actually struck the pedestrian.

2006 SUMMARY ANALYSIS

- Of all 2006 Missouri traffic crashes, 0.9% involved a pedestrian. Of all fatal traffic crashes, 8.0% involved a pedestrian. A total of 78 persons were killed and 1,432 were injured in traffic crashes involving a pedestrian. In these traffic crashes, all 78 persons killed were pedestrians and 1,352 of the 1,432 persons injured were pedestrians.
- There was a 5.7% decrease in the number of pedestrian related traffic crashes when comparing 2006 with 2005. When comparing fatal pedestrian related crashes over the same time period there was a 14.3% decrease between 2005 and 2006.
- In 2006, one person was killed or injured in pedestrian related traffic crashes every 5.8 hours in the State of Missouri.
- Of all 2006 pedestrian traffic crashes, 79.1% occurred in an urban area of the State and 20.9% occurred in a rural area. Of fatal pedestrian crashes, 37.2% occurred in a rural area.
- Of pedestrians in the traffic crashes, 61.2% were male and 38.8% were female. The average age of the pedestrian was 33.7 years. For those pedestrians killed the average age was 44.2 years.
- Of pedestrians 14 years and under in 2006 traffic crashes, 15.8% were crossing the street from behind a parked vehicle and 15.8% were playing in the road. Of pedestrians 15 through 64 years of age, 10.4% were standing / lying / sitting in the road and 7.1% were crossing the street from behind a parked vehicle. Of pedestrians 65 years and older, 10.7% were standing / lying / sitting in the road and 9.8% were crossing the road within a marked crosswalk.
- Of the drivers who struck pedestrians in 2006 traffic crashes, 54.8% were male and 45.2% were female. The average age of the driver was 39.3 years. Of the drivers who struck pedestrians, 60.1% were driving an automobile and 15.1% were driving a pickup truck.

2006 MISSOURI TRAFFIC CRASHES

PEDESTRIAN INVOLVEMENT

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	TOTAL NUMBER¹ KILLED	PEDESTRIANS² KILLED	PEDESTRIANS² INJURED
PEDESTRIAN INVOLVED	78	8.0	1,304	3.1	102	0.1	1,484	0.9	78	78	1,352
NO PEDESTRIAN INVOLVED	893	92.0	40,834	96.9	123,932	99.9	165,659	99.1	1,018	-	60,646
TOTAL	971	100.0	42,138	100.0	124,034	100.0	167,143	100.0	1,096	78	1,352

¹This statistic indicates the total number of persons killed and injured in a crash where one or more pedestrians were involved.

²This statistic indicates the number of pedestrians killed and injured.

TABLE 3.9.1

2005 and 2006 PEDESTRIAN INVOLVED CRASH ANALYSIS

	2005	2006	RATE OF CHANGE
FATAL	91	78	- 14.3
PERSONAL INJURY	1,370	1,304	- 4.8
PROPERTY DAMAGE	113	102	- 9.7
TOTAL	1,574	1,484	- 5.7

TABLE 3.9.2

2006 PEDESTRIAN INVOLVED CRASHES

AREA CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
URBAN	49	62.8	1,045	80.1	80	78.4	1,174	79.1
RURAL	29	37.2	259	19.9	22	21.6	310	20.9
TOTAL	78	100.0	1,304	100.0	102	100.0	1,484	100.0

TABLE 3.9.3

2006 PEDESTRIAN INVOLVED CRASHES

ROAD CURVATURE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
STRAIGHT	67	85.9	1,209	94.3	94	92.2	1,370	93.7
CURVE	11	14.1	73	5.7	8	7.8	92	6.3
UNKNOWN	0	-	22	-	0	-	22	-
TOTAL	78	100.0	1,304	100.0	102	100.0	1,484	100.0

TABLE 3.9.4

2006 PEDESTRIAN INVOLVED CRASHES

ROAD INCLINE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
LEVEL	48	61.5	984	77.1	75	75.0	1,107	76.1
HILL	28	35.9	264	20.7	23	23.0	315	21.6
CREST	2	2.6	29	2.3	2	2.0	33	2.3
UNKNOWN	0	-	27	-	2	-	29	-
TOTAL	78	100.0	1,304	100.0	102	100.0	1,484	100.0

TABLE 3.9.5

2006 PEDESTRIAN INVOLVED CRASHES

ROAD CONDITIONS BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRY	65	83.3	1,128	87.1	90	89.1	1,283	87.0
WET	12	15.4	146	11.3	10	9.9	168	11.4
SNOW	0	0.0	14	1.1	1	1.0	15	1.0
ICE	1	1.3	6	0.5	0	0.0	7	0.5
SLUSH	0	0.0	1	0.1	0	0.0	1	0.1
MUD	0	0.0	0	0.0	0	0.0	0	0.0
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	-	9	-	1	-	10	-
TOTAL	78	100.0	1,304	100.0	102	100.0	1,484	100.0

TABLE 3.9.6

2006 PEDESTRIAN INVOLVED CRASHES

HIGHWAY CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	16	20.5	39	3.0	4	3.9	59	4.0
U.S. HIGHWAY	9	11.5	49	3.8	1	1.0	59	4.0
STATE NUMBERED	13	16.7	97	7.4	11	10.8	121	8.2
SINGLE STATE LETTERED	6	7.7	27	2.1	2	2.0	35	2.4
DOUBLE STATE LETTERED	1	1.3	10	0.8	1	1.0	12	0.8
OUTER ROAD	1	1.3	8	0.6	1	1.0	10	0.7
COUNTY ROAD	4	5.1	81	6.2	6	5.9	91	6.1
CITY STREET	26	33.3	861	66.0	70	68.6	957	64.5
INTERSTATE LOOP	0	0.0	5	0.4	1	1.0	6	0.4
OTHER ¹	2	2.6	127	9.7	5	4.9	134	9.0
TOTAL	78	100.0	1,304	100.0	102	100.0	1,484	100.0

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

TABLE 3.9.7

2006 PEDESTRIAN INVOLVED CRASHES

HIGHWAY CLASSIFICATION BY AREA CLASSIFICATION AND CRASH SEVERITY

	URBAN						RURAL									
	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	11	22.5	24	2.3	2	2.5	37	3.2	5	17.2	15	5.8	2	9.1	22	7.1
U.S. HIGHWAY	5	10.2	29	2.8	1	1.3	35	3.0	4	13.8	20	7.7	0	0.0	24	7.7
STATE NUMBERED	4	8.2	52	5.0	3	3.8	59	5.0	9	31.0	45	17.4	8	36.4	62	20.0
SINGLE STATE LETTERED	1	2.0	9	0.9	1	1.3	11	0.9	5	17.2	18	7.0	1	4.6	24	7.7
DOUBLE STATE LETTERED	0	0.0	5	0.5	0	0.0	5	0.4	1	3.5	5	1.9	1	4.6	7	2.3
OUTER ROAD	0	0.0	7	0.7	0	0.0	7	0.6	1	3.5	1	0.4	1	4.6	3	1.0
COUNTY ROAD	1	2.0	19	1.8	3	3.8	23	2.0	3	10.3	62	23.9	3	13.6	68	21.9
CITY STREET	25	51.0	800	76.6	67	83.8	892	76.0	1	3.5	61	23.6	3	13.6	65	21.0
INTERSTATE LOOP	0	0.0	5	0.5	1	1.3	6	0.5	0	0.0	0	0.0	0	0.0	0	0.0
OTHER ¹	2	4.1	95	9.1	2	2.5	99	8.4	0	0.0	32	12.4	3	13.6	35	11.3
TOTAL	49	100.0	1,045	100.0	80	100.0	1,174	100.0	29	100.0	259	100.0	22	100.0	310	100.0

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

TABLE 3.9.8

**2006 MISSOURI PEDESTRIAN INVOLVED CRASHES
MONTH OF YEAR**

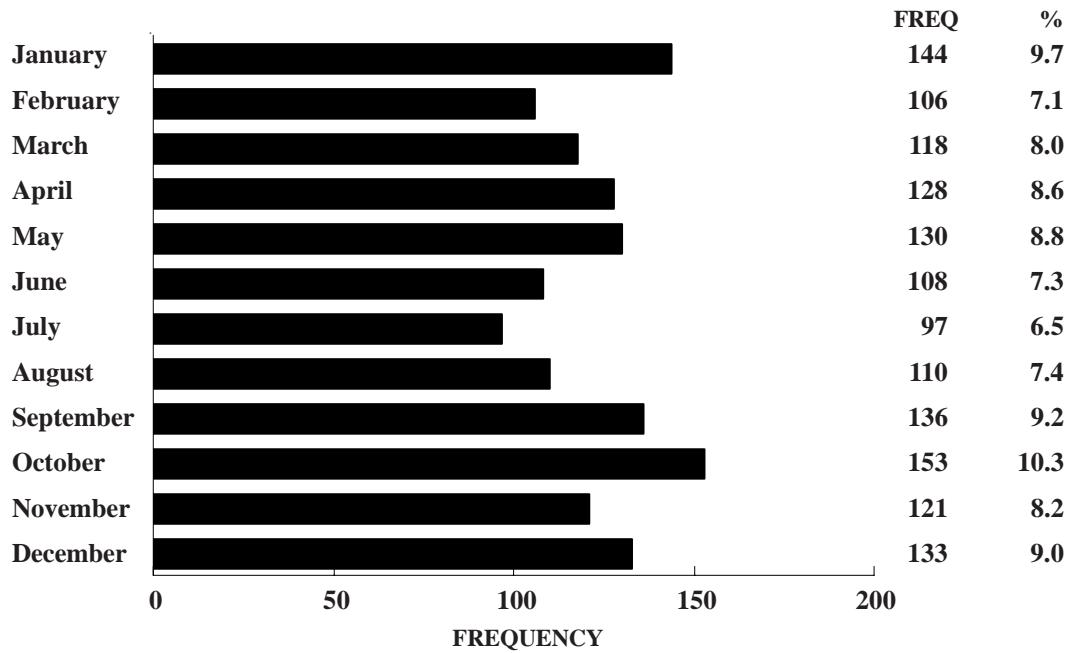


FIGURE 3.9.1

**2006 MISSOURI PEDESTRIAN INVOLVED CRASHES
DAY OF WEEK**

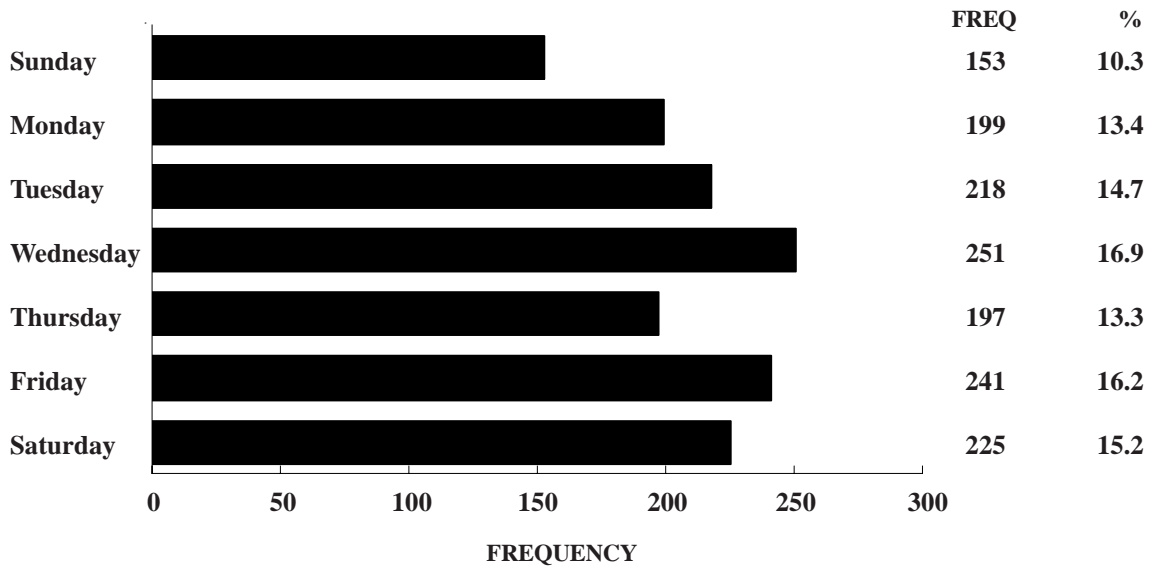
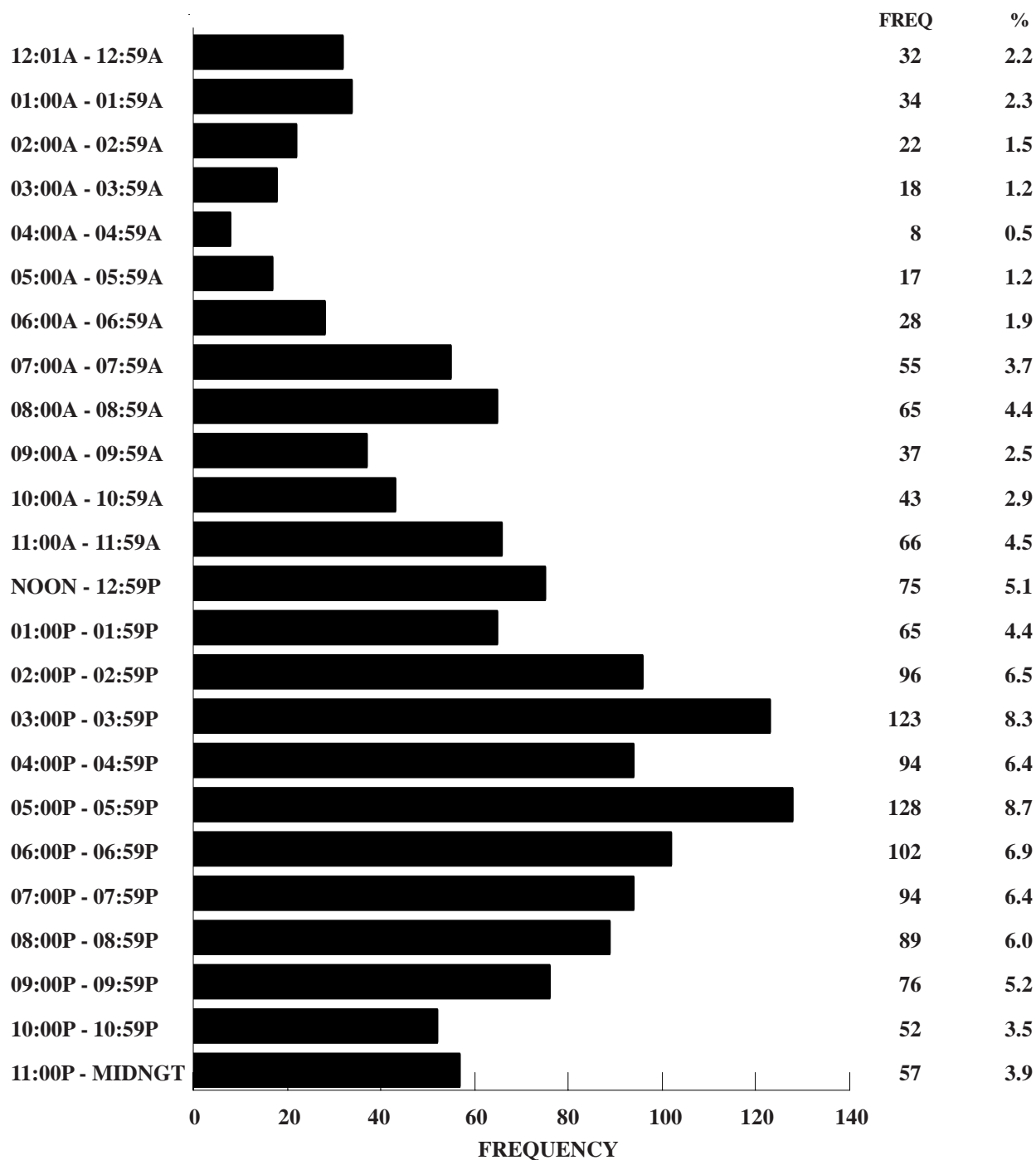


FIGURE 3.9.2

**2006 MISSOURI PEDESTRIAN INVOLVED CRASHES
HOUR OF DAY**



Unknown Data Not Included

FIGURE 3.9.3

2006 MISSOURI PEDESTRIAN CRASHES

TYPE OF CIRCUMSTANCE INVOLVED BY CRASH SEVERITY AND PERSON CLASSIFICATION¹

FATAL PEDESTRIAN CRASHES = 78				TOTAL PEDESTRIAN CRASHES = 1,484		
	PEDESTRIAN	OTHER DRIVER/ VEHICLE	TOTAL FATAL	PEDESTRIAN	OTHER DRIVER/ VEHICLE	TOTAL CRASHES
VEHICLE DEFECTS	0.0	1.3	1.3	0.0	1.8	1.8
TRAFFIC CONTROL INOPERATIVE / MISSING	0.0	0.0	0.0	0.0	0.1	0.1
IMPROPERLY STOPPED ON ROADWAY	0.0	0.0	0.0	0.0	0.7	0.7
EXCEEDING SPEED LIMIT / TOO FAST FOR CONDITIONS	0.0	9.0	9.0	0.0	6.1	6.1
IMPROPER PASSING	0.0	1.3	1.3	0.0	0.7	0.7
VIOLATION OF STOP SIGN	0.0	0.0	0.0	0.0	1.8	1.8
WRONG SIDE NOT PASSING	0.0	0.0	0.0	0.0	0.4	0.4
FOLLOWING TOO CLOSE	0.0	0.0	0.0	0.0	0.4	0.4
IMPROPER SIGNAL	0.0	0.0	0.0	0.0	0.0	0.0
IMPROPER BACKING	0.0	0.0	0.0	0.0	2.0	2.0
IMPROPER TURN	0.0	0.0	0.0	0.0	1.1	1.1
IMPROPER LANE USAGE / CHANGE	0.0	2.6	2.6	0.0	3.4	3.4
WRONG WAY ONE-WAY STREET	0.0	0.0	0.0	0.0	0.1	0.1
IMPROPER START FROM PARK	0.0	0.0	0.0	0.0	0.7	0.7
IMPROPERLY PARKED	0.0	1.3	1.3	0.0	1.0	1.0
FAILED TO YIELD	34.6	1.3	35.9	18.8	14.2	31.9
DRINKING	30.8	11.5	37.2	7.5	3.8	10.2
DRUGS	2.6	1.3	3.8	0.3	0.4	0.7
PHYSICAL IMPAIRMENT	5.1	0.0	5.1	1.0	0.9	2.0
INATTENTION	32.1	16.7	44.9	27.9	26.7	48.2

¹This table identifies the percentage of pedestrian crashes having a specific type of circumstance which contributed to the cause of the crash. This table further defines the percentage of crashes where the contributing circumstance was associated with the pedestrian as well as those attributed to other drivers and vehicles in the crash. For instance, when examining drinking involvement in 2006 Missouri fatal pedestrian crashes, it was found that a pedestrian was drinking in 30.8% of the crashes. In 11.5% of the crashes a driver was drinking. In 37.2% of the crashes either a pedestrian, a driver, or both were drinking.

TABLE 3.9.9

PEDESTRIANS IN 2006 MISSOURI CRASHES

SEX OF PEDESTRIAN BY PERSONAL INJURY SEVERITY

	KILLED	%	INJURED	%	NOT INJURED / INJURY UNK.	%	TOTAL	%
MALE	57	73.1	802	59.5	84	73.7	943	61.2
FEMALE	21	26.9	547	40.5	30	26.3	598	38.8
UNKNOWN	0	-	3	-	5	-	8	-
TOTAL	78	100.0	1,352	100.0	119	100.0	1,549	100.0

TABLE 3.9.10

PEDESTRIANS IN 2006 MISSOURI CRASHES

AGE OF PEDESTRIAN BY PERSONAL INJURY SEVERITY

	KILLED	%	INJURED	%	NOT INJURED / INJURY UNK.	%	TOTAL	%
AVERAGE AGE OF PEDESTRIAN	44.2	-	33.2	-	32.1	-	33.7	-
4 YEARS AND UNDER	0	0.0	31	2.4	2	2.1	33	2.2
5 - 9 YEARS	3	3.9	97	7.4	5	5.3	105	7.1
10 - 14 YEARS	2	2.6	135	10.3	8	8.4	145	9.8
15 - 19 YEARS	1	1.3	167	12.8	12	12.6	180	12.2
20 - 24 YEARS	5	6.4	133	10.2	10	10.5	148	10.0
25 - 29 YEARS	7	9.0	93	7.1	11	11.6	111	7.5
30 - 34 YEARS	7	9.0	83	6.3	4	4.2	94	6.3
35 - 39 YEARS	8	10.3	75	5.7	10	10.5	93	6.3
40 - 44 YEARS	10	12.8	108	8.3	11	11.6	129	8.7
45 - 49 YEARS	5	6.4	86	6.6	4	4.2	95	6.4
50 - 54 YEARS	10	12.8	98	7.5	7	7.4	115	7.8
55 - 59 YEARS	4	5.1	53	4.1	4	4.2	61	4.1
60 - 64 YEARS	5	6.4	42	3.2	5	5.3	52	3.5
65 YEARS AND OVER	11	14.1	108	8.3	2	2.1	121	8.2
UNKNOWN	0	-	43	-	24	-	67	-
TOTAL	78	100.0	1,352	100.0	119	100.0	1,549	100.0

TABLE 3.9.11

PEDESTRIANS IN 2006 MISSOURI CRASHES

PEDESTRIAN ACTIONS BY AGE GROUP

	00 - 14 YEARS	%	15 - 64 YEARS	%	65 YEARS AND OVER	%	UN- KNOWN	TOTAL	%
CROSSING - WITH SIGNAL	6	2.3	69	6.9	17	15.2	1	93	6.5
CROSSING - AGAINST SIGNAL	14	5.4	55	5.5	7	6.3	3	79	5.6
CROSSING - NO SIGNAL	79	30.5	245	24.6	29	25.9	12	365	25.7
CROSSING - DIAGONALLY	19	7.3	54	5.4	3	2.7	5	81	5.7
CROSSING - WITHIN CROSSWALK	8	3.1	66	6.6	6	5.4	2	82	5.8
CROSSING - WITHIN MARKED CROSSWALK	5	1.9	26	2.6	11	9.8	0	42	3.0
FROM BEHIND PARKED VEHICLE	41	15.8	71	7.1	4	3.6	3	119	8.4
WALKING WITH TRAFFIC	5	1.9	81	8.1	0	0.0	5	91	6.4
WALKING AGAINST TRAFFIC	17	6.6	53	5.3	5	4.5	4	79	5.6
GETTING ON / OFF VEHICLE	2	0.8	38	3.8	4	3.6	1	45	3.2
STANDING / LYING / SITTING IN ROAD	16	6.2	104	10.4	12	10.7	8	140	9.9
PUSHING / WORKING ON VEHICLE	0	0.0	18	1.8	2	1.8	0	20	1.4
OTHER WORK IN ROAD	0	0.0	41	4.1	0	0.0	1	42	3.0
PLAYING IN ROAD	41	15.8	5	0.5	0	0.0	4	50	3.5
NOT IN ROAD	6	2.3	72	7.2	12	10.7	4	94	6.6
UNKNOWN	24	-	80	-	9	-	14	127	-
TOTAL	283	100.0	1,078	100.0	121	100.0	67	1,549	100.0

TABLE 3.9.12

DRIVERS OF VEHICLES STRIKING PEDESTRIANS IN 2006 MISSOURI CRASHES

SEX OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MALE	44	66.7	551	54.3	38	50.7	633	54.8
FEMALE	22	33.3	464	45.7	37	49.3	523	45.2
UNKNOWN	6	-	228	-	21	-	255	-
TOTAL	72	100.0	1,243	100.0	96	100.0	1,411	100.0

TABLE 3.9.13

DRIVERS OF VEHICLES STRIKING PEDESTRIANS IN 2006 MISSOURI CRASHES

AGE OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AVERAGE AGE OF DRIVER	35.7	-	39.3	-	41.5	-	39.3	-
14 YEARS AND UNDER	0	0.0	3	0.3	0	0.0	3	0.3
15 - 20 YEARS	8	12.5	153	15.3	6	8.2	167	14.7
21 - 25 YEARS	11	17.2	126	12.6	9	12.3	146	12.8
26 - 30 YEARS	12	18.8	103	10.3	9	12.3	124	10.9
31 - 35 YEARS	2	3.1	92	9.2	9	12.3	103	9.1
36 - 40 YEARS	5	7.8	90	9.0	7	9.6	102	9.0
41 - 45 YEARS	10	15.6	94	9.3	7	9.6	111	9.8
46 - 50 YEARS	6	9.4	83	8.3	5	6.9	94	8.3
51 - 55 YEARS	3	4.7	74	7.4	4	5.5	81	7.1
56 - 60 YEARS	4	6.3	45	4.5	5	6.9	54	4.8
61 - 65 YEARS	2	3.1	40	4.0	3	4.1	45	4.0
66 YEARS AND OVER	1	1.6	98	9.8	9	12.3	108	9.5
UNKNOWN	8	-	242	-	23	-	273	-
TOTAL	72	100.0	1,243	100.0	96	100.0	1,411	100.0

TABLE 3.9.14

DRIVERS OF VEHICLES STRIKING PEDESTRIANS IN 2006 MISSOURI CRASHES

TYPE OF VISION OBSTRUCTION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
WINDSHIELD OBSCURED	1	1.5	7	0.6	1	1.1	9	0.7
LOAD ON VEHICLE	0	0.0	1	0.1	0	0.0	1	0.1
TREES / BRUSH	0	0.0	1	0.1	0	0.0	1	0.1
BUILDING	0	0.0	3	0.3	0	0.0	3	0.2
EMBANKMENT	0	0.0	1	0.1	0	0.0	1	0.1
SIGNBOARD	0	0.0	0	0.0	0	0.0	0	0.0
HILLCREST	1	1.5	3	0.3	0	0.0	4	0.3
PARKED CARS	2	2.9	57	4.8	2	2.3	61	4.6
MOVING CARS	2	2.9	49	4.2	3	3.4	54	4.0
GLARE	1	1.5	39	3.3	5	5.7	45	3.4
OTHER	4	5.9	68	5.8	2	2.3	74	5.5
NOT OBSCURED	57	83.8	953	80.6	75	85.2	1,085	81.1
UNKNOWN	4	-	61	-	8	-	73	-
TOTAL	72	100.0	1,243	100.0	96	100.0	1,411	100.0

TABLE 3.9.15

DRIVERS OF VEHICLES STRIKING PEDESTRIANS IN 2006 MISSOURI CRASHES

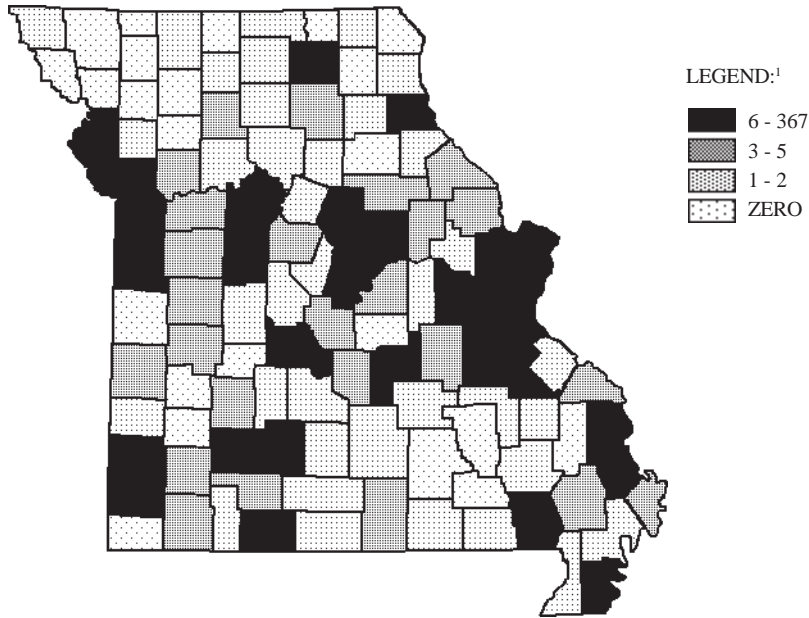
TYPE OF VEHICLE DRIVEN BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AUTOMOBILE	32	47.1	742	60.6	60	63.2	834	60.1
SPORT UTILITY VEHICLE	9	13.2	162	13.2	13	13.7	184	13.3
LIMOUSINE	0	0.0	0	0.0	1	1.1	1	0.1
VAN	5	7.4	90	7.4	6	6.3	101	7.3
BUS	2	2.9	10	0.8	2	2.1	14	1.0
SCHOOL BUS	0	0.0	8	0.7	0	0.0	8	0.6
MOTORCYCLE	0	0.0	7	0.6	0	0.0	7	0.5
MOPED	0	0.0	0	0.0	0	0.0	0	0.0
BICYCLE	0	0.0	0	0.0	0	0.0	0	0.0
MOTOR HOME /CAMPER	0	0.0	0	0.0	0	0.0	0	0.0
FARM EQUIPMENT	0	0.0	0	0.0	0	0.0	0	0.0
CONSTRUCTION EQUIPMENT	0	0.0	0	0.0	0	0.0	0	0.0
OTHER TRANSPORT DEVICE	0	0.0	0	0.0	0	0.0	0	0.0
PICKUP TRUCK	13	19.1	185	15.1	11	11.6	209	15.1
OTHER TRUCKS	7	10.3	19	1.6	2	2.1	28	2.0
ALL TERRAIN VEHICLE	0	0.0	2	0.2	0	0.0	2	0.1
UNKNOWN	4	-	18	-	1	-	23	-
TOTAL	72	100.0	1,243	100.0	96	100.0	1,411	100.0

TABLE 3.9.16

2006 PEDESTRIAN INVOLVED CRASHES

COUNTY QUARTILE ANALYSIS



¹LEGEND CATEGORIES ARE BASED ON QUARTILES OF COUNTIES.

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
1.0	ST. LOUIS CITY	367	24.7	22.0	PETTIS	8	0.5
2.0	ST. LOUIS	268	18.1	22.0	SCOTT	8	0.5
3.0	JACKSON	262	17.7	25.0	CALLAWAY	7	0.5
4.0	GREENE	59	4.0	25.0	PEMISCOT	7	0.5
5.0	ST. CHARLES	38	2.6	25.0	SALINE	7	0.5
6.0	BOONE	37	2.5	28.5	ADAIR	6	0.4
7.0	JEFFERSON	36	2.4	28.5	CASS	6	0.4
8.0	CLAY	30	2.0	28.5	WASHINGTON	6	0.4
9.0	JASPER	24	1.6	28.5	WEBSTER	6	0.4
10.0	COLE	21	1.4				
11.0	BUCHANAN	20	1.3				First Quartile
12.0	PLATTE	19	1.3				
13.0	FRANKLIN	17	1.1				Second Quartile
14.0	CAPE GIRARDEAU	14	0.9	32.0	AUDRAIN	5	0.3
15.0	PHELPS	13	0.9	32.0	CHRISTIAN	5	0.3
17.0	BUTLER	10	0.7	32.0	HENRY	5	0.3
17.0	NEWTON	10	0.7	39.5	BARRY	4	0.3
17.0	TANEY	10	0.7	39.5	HOWELL	4	0.3
19.5	CAMDEN	9	0.6	39.5	JOHNSON	4	0.3
19.5	ST. FRANCOIS	9	0.6	39.5	LAWRENCE	4	0.3
22.0	MARION	8	0.5	39.5	LINCOLN	4	0.3
				39.5	LIVINGSTON	4	0.3

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
39.5	MISSISSIPPI	4	0.3	80.0	IRON	1	0.1
39.5	PERRY	4	0.3	80.0	LACLEDE	1	0.1
39.5	PULASKI	4	0.3	80.0	LEWIS	1	0.1
39.5	RAY	4	0.3	80.0	LINN	1	0.1
39.5	STODDARD	4	0.3	80.0	MONITEAU	1	0.1
39.5	VERNON	4	0.3	80.0	NEW MADRID	1	0.1
50.5	COOPER	3	0.2	80.0	OZARK	1	0.1
50.5	CRAWFORD	3	0.2	80.0	RALLS	1	0.1
50.5	LAFAYETTE	3	0.2	80.0	RANDOLPH	1	0.1
50.5	MACON	3	0.2	80.0	RIPLEY	1	0.1
50.5	MILLER	3	0.2	80.0	SCOTLAND	1	0.1
50.5	MONTGOMERY	3	0.2	80.0	STONE	1	0.1
50.5	OSAGE	3	0.2	80.0	SULLIVAN	1	0.1
50.5	PIKE	3	0.2	80.0	TEXAS	1	0.1
50.5	POLK	3	0.2	80.0	WAYNE	1	0.1
50.5	ST. CLAIR	3	0.2				
Second Quartile				Third Quartile			
Third Quartile				Fourth Quartile			
61.5	BENTON	2	0.1	104.0	ANDREW	0	0.0
61.5	CHARITON	2	0.1	104.0	BATES	0	0.0
61.5	DALLAS	2	0.1	104.0	BOLLINGER	0	0.0
61.5	GRUNDY	2	0.1	104.0	CALDWELL	0	0.0
61.5	MADISON	2	0.1	104.0	CARTER	0	0.0
61.5	MORGAN	2	0.1	104.0	CEDAR	0	0.0
61.5	OREGON	2	0.1	104.0	CLARK	0	0.0
61.5	PUTNAM	2	0.1	104.0	DADE	0	0.0
61.5	STE. GENEVIEVE	2	0.1	104.0	DAVISS	0	0.0
61.5	SHELBY	2	0.1	104.0	DE KALB	0	0.0
61.5	WARREN	2	0.1	104.0	GENTRY	0	0.0
61.5	WRIGHT	2	0.1	104.0	HICKORY	0	0.0
80.0	ATCHISON	1	0.1	104.0	HOLT	0	0.0
80.0	BARTON	1	0.1	104.0	KNOX	0	0.0
80.0	CARROLL	1	0.1	104.0	MC DONALD	0	0.0
80.0	CLINTON	1	0.1	104.0	MARIES	0	0.0
80.0	DENT	1	0.1	104.0	MERCER	0	0.0
80.0	DOUGLAS	1	0.1	104.0	MONROE	0	0.0
80.0	DUNKLIN	1	0.1	104.0	NODAWAY	0	0.0
80.0	GASCONADE	1	0.1	104.0	REYNOLDS	0	0.0
80.0	HARRISON	1	0.1	104.0	SCHUYLER	0	0.0
80.0	HOWARD	1	0.1	104.0	SHANNON	0	0.0
				104.0	WORTH	0	0.0

TABLE 3.9.17

2006 PEDESTRIAN INVOLVED CRASHES

CITY LISTING

RANK	CITY	FREQUENCY	PERCENT ¹
1.0	ST. LOUIS	367	29.1
2.0	KANSAS CITY	222	17.6
3.0	SPRINGFIELD	56	4.4
4.5	COLUMBIA	33	2.6
4.5	INDEPENDENCE	33	2.6
6.0	FLORISSANT	22	1.7
7.0	ST. JOSEPH	19	1.5
8.0	JOPLIN	17	1.3
9.5	JEFFERSON CITY	15	1.2
9.5	ST. CHARLES	15	1.2
11.0	CLAYTON	12	1.0
12.5	CAPE GIRARDEAU	11	0.9
12.5	KIRKWOOD	11	0.9
14.0	LEE'S SUMMIT	10	0.8
15.5	FERGUSON	9	0.7
15.5	UNIVERSITY CITY	9	0.7
19.0	BRANSON	8	0.6
19.0	HANNIBAL	8	0.6
19.0	HAZELWOOD	8	0.6
19.0	JENNINGS	8	0.6
19.0	ROLLA	8	0.6
25.0	ARNOLD	7	0.6
25.0	BERKELEY	7	0.6
25.0	CAMDENTON	7	0.6
25.0	GRANDVIEW	7	0.6
25.0	OVERLAND	7	0.6
25.0	ST. PETERS	7	0.6
25.0	WEBSTER GROVES	7	0.6
34.0	BRIDGETON	6	0.5
34.0	DELLWOOD	6	0.5
34.0	KIRKSVILLE	6	0.5
34.0	MAPLEWOOD	6	0.5
34.0	MARYLAND HEIGHTS	6	0.5
34.0	O'FALLON	6	0.5
34.0	POPLAR BLUFF	6	0.5
34.0	RAYTOWN	6	0.5
34.0	SEDALIA	6	0.5
34.0	SIKESTON	6	0.5
34.0	WASHINGTON	6	0.5

¹Percentage is based on pedestrian 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 3.9.18

**MISSOURI FATAL AND PERSONAL INJURY PEDESTRIAN INVOLVED CRASHES
ANNUAL TIME SERIES**

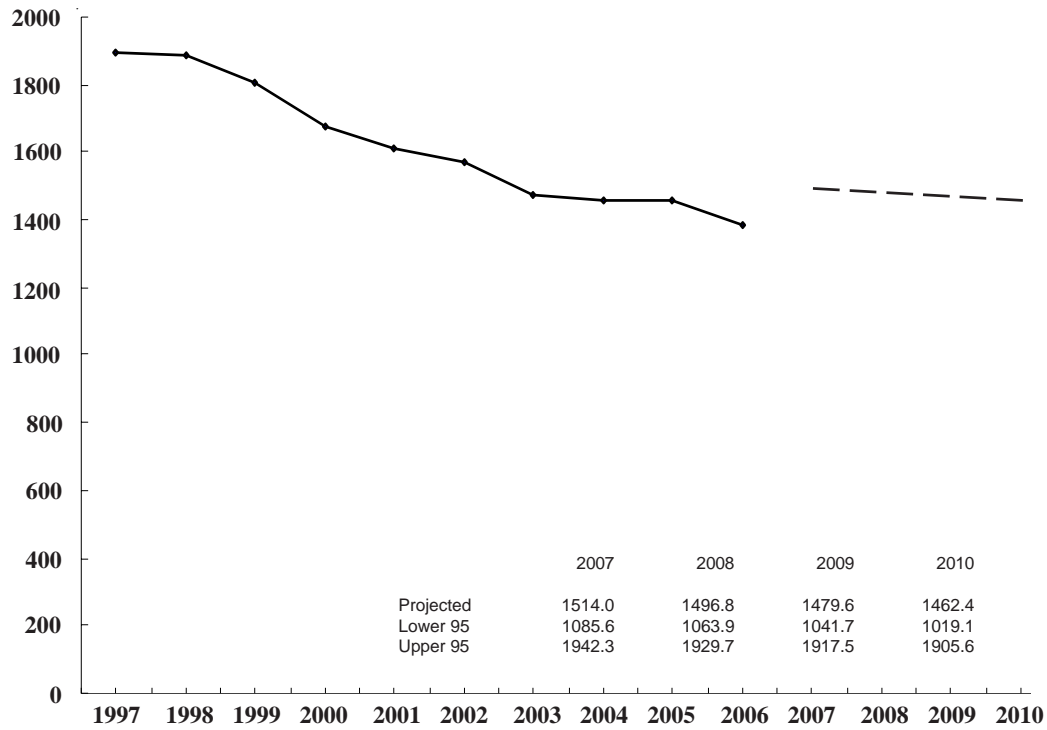


FIGURE 3.9.4

3.10 FIXED OBJECT INVOLVEMENT

This section presents a series of data displays which describe fixed object involvement in Missouri's traffic crash experience. Fixed object traffic crashes are defined as any traffic crash whose first harmful event involves a motor vehicle striking a fixed object. Crashes where a motor vehicle struck a fixed object as a result of a secondary event in a crash are not included in this analysis. Data displays also are presented which identify characteristics of the vehicle and driver striking the fixed object in the first harmful event.

2006 SUMMARY ANALYSIS

- Of all Missouri traffic crashes, 18.2% involved a fixed object being struck as part of the first harmful event. Of all fatal traffic crashes, 39.8% involved a fixed object. A total of 419 persons were killed and 13,328 were injured in fixed object crashes.
- There was a decrease of 4.9% in the rate of change when comparing all 2006 fixed object related traffic crash activity with that in 2005. When examining fatal fixed object crashes, the rate of change decreased by 13.6%.
- In 2006, one person was killed or injured in a fixed object crash every 38.2 minutes in the State of Missouri.
- Of all fixed object traffic crashes, 43.7% occurred in an urban area and 56.3% occurred in a rural area of the State. Of the fatal fixed object crashes, 75.9% occurred in a rural area.
- Of all fixed object crashes, 34.1% occurred on a curve and 41.4% occurred on a hill or crest of a hill.
- In 27.5% of the cases, an embankment, culvert, or ditch was the type of object struck. In 10.3% of the incidents, a tree was struck.
- Of the vehicles striking the fixed object, 56.0% were automobiles and 18.5% were pickup trucks.
- Of the drivers striking fixed objects, 64.4% were male and 35.6% were female. The average age of the driver was 33.3 years.
- Of the drivers striking fixed objects, 81.8% had a Missouri driver's license, 11.5% had an out-of-state driver's license, and 6.7% were unlicensed.

2006 MISSOURI TRAFFIC CRASHES

FIXED OBJECT INVOLVEMENT

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	TOTAL NUMBER ¹		DRIVERS/PASSENGERS OF VEHICLES STRIKING FIXED OBJECTS ²	
									KILLED	INJURED	KILLED	INJURED
FIXED OBJECT INVOLVED	386	39.8	10,196	24.2	19,853	16.0	30,435	18.2	419	13,328	409	13,087
NO FIXED OBJECT INVOLVED	585	60.2	31,942	75.8	104,181	84.0	136,708	81.8	677	48,750	-	-
TOTAL	971	100.0	42,138	100.0	124,034	100.0	167,143	100.0	1,096	62,078	409	13,087

¹This statistic indicates the total number of persons killed and injured in a crash where a fixed object was struck during the first harmful event in a crash.

²This statistic indicates the number of drivers and passengers of vehicles striking fixed objects during the first harmful event in a crash who were killed and injured.

TABLE 3.10.1

2005 and 2006 FIXED OBJECT CRASH ANALYSIS

	2005	2006	RATE OF CHANGE
FATAL	447	386	- 13.6
PERSONAL INJURY	10,927	10,196	- 6.7
PROPERTY DAMAGE	20,620	19,853	- 3.7
TOTAL	31,994	30,435	- 4.9

TABLE 3.10.2

2006 FIXED OBJECT CRASHES

AREA CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
URBAN	93	24.1	3,502	34.4	9,694	48.8	13,289	43.7
RURAL	293	75.9	6,694	65.6	10,159	51.2	17,146	56.3
TOTAL	386	100.0	10,196	100.0	19,853	100.0	30,435	100.0

TABLE 3.10.3

2006 FIXED OBJECT CRASHES

ROAD CURVATURE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
STRAIGHT	196	50.8	6,138	60.4	13,457	69.1	19,791	65.9
CURVE	190	49.2	4,025	39.6	6,025	30.9	10,240	34.1
UNKNOWN	0	-	33	-	371	-	404	-
TOTAL	386	100.0	10,196	100.0	19,853	100.0	30,435	100.0

TABLE 3.10.4

2006 FIXED OBJECT CRASHES

ROAD INCLINE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
LEVEL	167	43.5	5,463	54.0	11,876	61.4	17,506	58.6
HILL	201	52.3	4,374	43.2	6,973	36.0	11,548	38.7
CREST	16	4.2	282	2.8	505	2.6	803	2.7
UNKNOWN	2	-	77	-	499	-	578	-
TOTAL	386	100.0	10,196	100.0	19,853	100.0	30,435	100.0

TABLE 3.10.5

2006 FIXED OBJECT CRASHES

ROAD CONDITIONS BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRY	332	86.5	7,899	77.9	13,875	70.6	22,106	73.3
WET	45	11.7	1,899	18.7	4,710	24.0	6,654	22.1
SNOW	3	0.8	153	1.5	542	2.8	698	2.3
ICE	4	1.0	148	1.5	424	2.2	576	1.9
SLUSH	0	0.0	30	0.3	58	0.3	88	0.3
MUD	0	0.0	5	0.1	7	0.0	12	0.0
STANDING WATER	0	0.0	10	0.1	24	0.1	34	0.1
MOVING WATER	0	0.0	2	0.0	9	0.1	11	0.0
UNKNOWN	2	-	50	-	204	-	256	-
TOTAL	386	100.0	10,196	100.0	19,853	100.0	30,435	100.0

TABLE 3.10.6

2006 FIXED OBJECT CRASHES

HIGHWAY CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	56	14.5	1,482	14.5	3,272	16.5	4,810	15.8
U.S. HIGHWAY	44	11.4	957	9.4	1,654	8.3	2,655	8.7
STATE NUMBERED	77	20.0	1,696	16.6	2,341	11.8	4,114	13.5
SINGLE STATE LETTERED	58	15.0	1,440	14.1	1,461	7.4	2,959	9.7
DOUBLE STATE LETTERED	28	7.3	532	5.2	637	3.2	1,197	3.9
OUTER ROAD	3	0.8	64	0.6	122	0.6	189	0.6
COUNTY ROAD	72	18.7	1,798	17.6	2,868	14.5	4,738	15.6
CITY STREET	42	10.9	2,033	19.9	6,658	33.5	8,733	28.7
INTERSTATE LOOP	1	0.3	14	0.1	37	0.2	52	0.2
OTHER ¹	5	1.3	180	1.8	803	4.0	988	3.3
TOTAL	386	100.0	10,196	100.0	19,853	100.0	30,435	100.0

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

TABLE 3.10.7

2006 FIXED OBJECT CRASHES

HIGHWAY CLASSIFICATION BY AREA CLASSIFICATION AND CRASH SEVERITY

	URBAN						RURAL									
	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	23	24.7	865	24.7	1,619	16.7	2,507	18.9	33	11.3	617	9.2	1,653	16.3	2,303	13.4
U.S. HIGHWAY	10	10.8	266	7.6	589	6.1	865	6.5	34	11.6	691	10.3	1,065	10.5	1,790	10.4
STATE NUMBERED	8	8.6	232	6.6	556	5.7	796	6.0	69	23.6	1,464	21.9	1,785	17.6	3,318	19.4
SINGLE STATE LETTERED	1	1.1	53	1.5	115	1.2	169	1.3	57	19.5	1,387	20.7	1,346	13.3	2,790	16.3
DOUBLE STATE LETTERED	5	5.4	33	0.9	71	0.7	109	0.8	23	7.9	499	7.5	566	5.6	1,088	6.4
OUTER ROAD	2	2.2	29	0.8	48	0.5	79	0.6	1	0.3	35	0.5	74	0.7	110	0.6
COUNTY ROAD	2	2.2	118	3.4	281	2.9	401	3.0	70	23.9	1,680	25.1	2,587	25.5	4,337	25.3
CITY STREET	39	41.9	1,786	51.0	5,832	60.2	7,657	57.6	3	1.0	247	3.7	826	8.1	1,076	6.3
INTERSTATE LOOP	1	1.1	8	0.2	28	0.3	37	0.3	0	0.0	6	0.1	9	0.1	15	0.1
OTHER ¹	2	2.2	112	3.2	555	5.7	669	5.0	3	1.0	68	1.0	248	2.4	319	1.9
TOTAL	93	100.0	3,502	100.0	9,694	100.0	13,289	100.0	293	100.0	6,694	100.0	10,159	100.0	17,146	100.0

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

TABLE 3.10.8

2006 FIXED OBJECT CRASHES

TYPE OF OBJECT STRUCK BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
TREE	69	18.1	1,433	14.1	1,595	8.1	3,097	10.3
EMBANKMENT	108	28.3	2,287	22.5	2,250	11.5	4,645	15.4
GUARD RAIL FACE	12	3.1	450	4.4	997	5.1	1,459	4.8
GUARD RAIL END	9	2.4	127	1.3	218	1.1	354	1.2
UTILITY POLE	16	4.2	690	6.8	1,404	7.2	2,110	7.0
FENCE	18	4.7	495	4.9	1,654	8.4	2,167	7.2
STREET LIGHT SUPPORT	2	0.5	191	1.9	619	3.2	812	2.7
CULVERT	13	3.4	341	3.4	330	1.7	684	2.3
TRAFFIC SIGN POST	31	8.1	564	5.6	1,662	8.5	2,257	7.5
PIER / ABUTMENT	4	1.1	94	0.9	189	1.0	287	1.0
CURB	21	5.5	425	4.2	1,273	6.5	1,719	5.7
MAILBOX	6	1.6	230	2.3	858	4.4	1,094	3.6
CONCRETE TRAF. BARRIER	8	2.1	537	5.3	1,070	5.5	1,615	5.4
BUILDING	2	0.5	91	0.9	389	2.0	482	1.6
TRAFFIC SIGNAL SUPPORT	3	0.8	77	0.8	274	1.4	354	1.2
IMPACT ATTENUATOR	0	0.0	24	0.2	47	0.2	71	0.2
FIRE HYDRANT	0	0.0	47	0.5	314	1.6	361	1.2
BRIDGE PARAPET END	0	0.0	18	0.2	18	0.1	36	0.1
BRIDGE RAIL	1	0.3	105	1.0	178	0.9	284	0.9
MEDIAN BARRIER	6	1.6	216	2.1	917	4.7	1,139	3.8
OVERHEAD SIGN SUPPORT	0	0.0	7	0.1	19	0.1	26	0.1
DITCH	35	9.2	1,233	12.1	1,695	8.7	2,963	9.8
OTHER POST	6	1.6	109	1.1	367	1.9	482	1.6
WALL	0	0.0	98	1.0	192	1.0	290	1.0
OTHER	12	3.1	279	2.7	1,077	5.5	1,368	4.5
FIXED OBJECT TYPE UNKNOWN	4	-	28	-	247	-	279	-
TOTAL	386	100.0	10,196	100.0	19,853	100.0	30,435	100.0

TABLE 3.10.9

**2006 MISSOURI FIXED OBJECT CRASHES
MONTH OF YEAR**

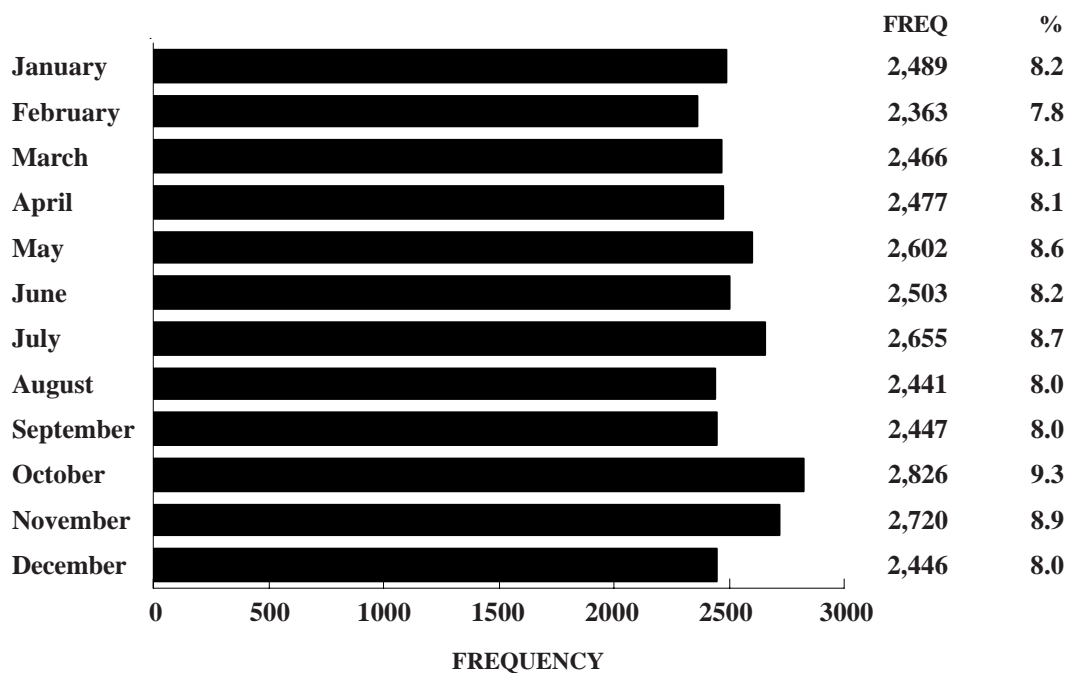
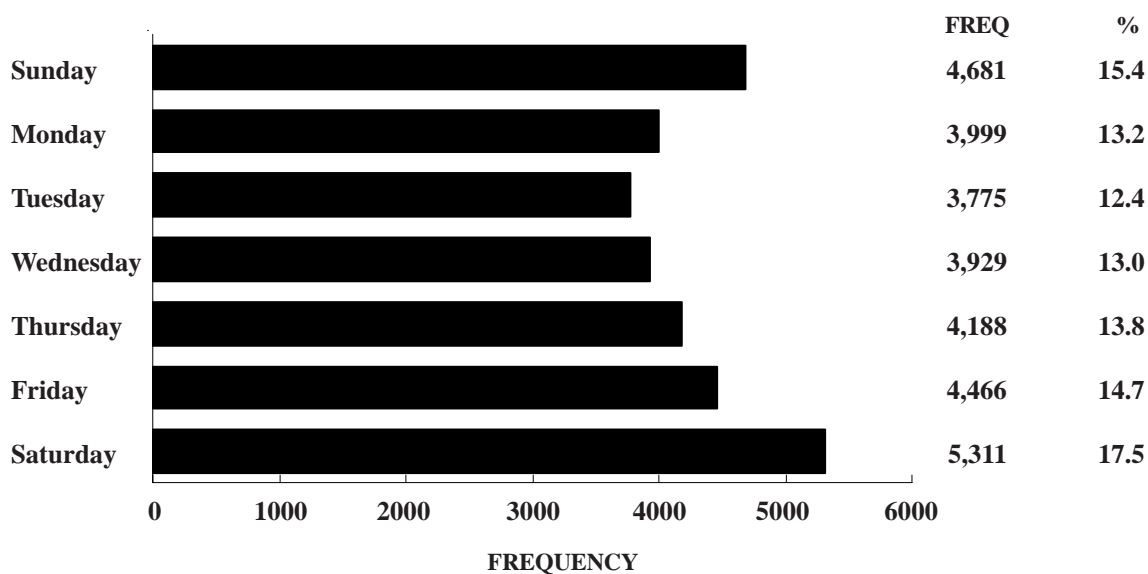


FIGURE 3.10.1

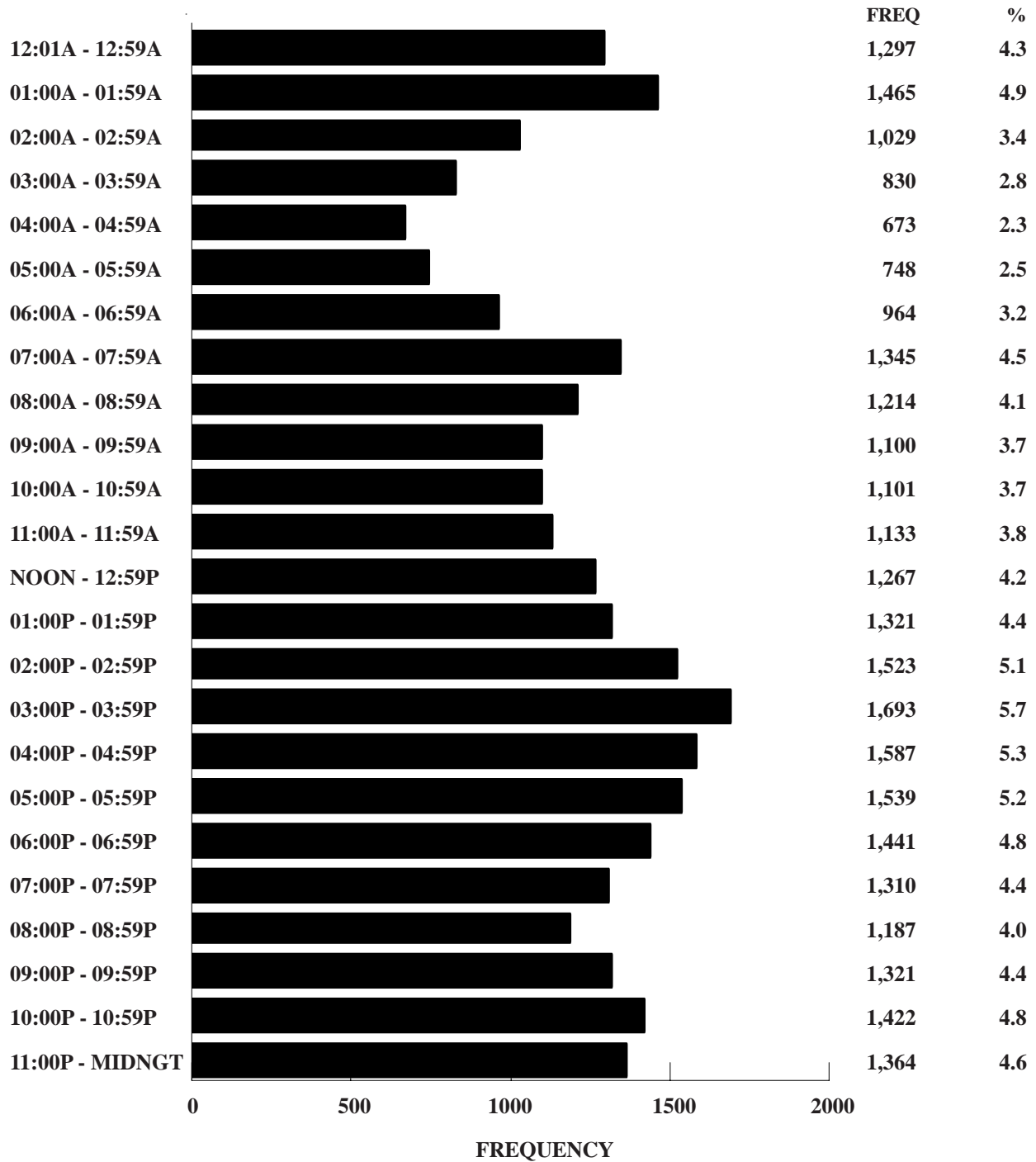
**2006 MISSOURI FIXED OBJECT CRASHES
DAY OF WEEK**



Unknown Data Not Included

FIGURE 3.10.2

**2006 MISSOURI FIXED OBJECT CRASHES
HOUR OF DAY**



Unknown Data Not Included

FIGURE 3.10.3

2006 MISSOURI FIXED OBJECT CRASHES

TYPE OF CIRCUMSTANCE INVOLVED BY CRASH SEVERITY AND PERSON CLASSIFICATION¹

FATAL FIXED OBJECT CRASHES = 386				TOTAL FIXED OBJECT CRASHES = 30,435		
	VEHICLE/DRIVER STRIKING OBJ.	OTHER DRIVER/ VEHICLE/PED.	TOTAL FATAL	VEHICLE/DRIVER STRIKING OBJ.	OTHER DRIVER/ VEHICLE/PED.	TOTAL CRASHES
VEHICLE DEFECTS	1.8	0.0	1.8	4.5	0.0	4.5
TRAFFIC CONTROL INOPERATIVE / MISSING	0.0	0.0	0.0	0.0	0.0	0.0
IMPROPERLY STOPPED ON ROADWAY	0.0	0.0	0.0	0.1	0.0	0.1
EXCEEDING SPEED LIMIT / TOO FAST FOR CONDITIONS	55.7	0.5	56.0	40.9	0.2	41.0
IMPROPER PASSING	2.3	0.0	2.3	0.5	0.0	0.5
VIOLATION OF STOP SIGN	1.3	0.0	1.3	1.2	0.0	1.2
WRONG SIDE NOT PASSING	8.3	0.0	8.3	3.0	0.0	3.0
FOLLOWING TOO CLOSE	0.3	0.0	0.3	0.8	0.1	0.8
IMPROPER SIGNAL	0.0	0.0	0.0	0.0	0.0	0.0
IMPROPER BACKING	0.0	0.0	0.0	1.2	0.0	1.2
IMPROPER TURN	0.3	0.0	0.3	3.2	0.0	3.2
IMPROPER LANE USAGE / CHANGE	22.0	0.0	22.0	11.2	0.1	11.3
WRONG WAY ONE-WAY STREET	0.3	0.0	0.3	0.2	0.0	0.2
IMPROPER START FROM PARK	0.0	0.0	0.0	0.2	0.0	0.2
IMPROPERLY PARKED	0.0	0.0	0.0	0.2	0.0	0.2
FAILED TO YIELD	0.3	0.0	0.3	0.5	0.0	0.5
DRINKING	31.6	0.0	31.6	14.1	0.0	14.1
DRUGS	4.9	0.0	4.9	1.7	0.0	1.7
PHYSICAL IMPAIRMENT	7.3	0.3	7.5	6.1	0.0	6.1
INATTENTION	21.0	0.0	21.0	24.4	0.1	24.5

¹This table identifies the proportion of fixed object crashes having a specific type of circumstance which contributed to the cause of the crash. This table further defines the proportion of crashes where the contributing circumstance was associated with the driver or vehicle striking the fixed object as well as those attributed to other persons and vehicles in the crash. For instance, when examining speed involvement in 2006 Missouri fixed object crashes, it was found that the driver of the vehicle striking the fixed object was speeding in 43.3% of the crashes. In 0.2% of the crashes another driver was speeding. In 43.4% of the crashes either the driver of the vehicle striking the fixed object, another driver, or both drivers were speeding.

TABLE 3.10.10

2006 MISSOURI FIXED OBJECT CRASHES¹

TYPE OF VEHICLE STRIKING FIXED OBJECT BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AUTOMOBILE	188	48.7	5,640	55.4	10,947	56.5	16,775	56.0
SPORT UTILITY VEHICLE	52	13.5	1,471	14.4	2,271	11.7	3,794	12.7
LIMOUSINE	0	0.0	1	0.0	2	0.0	3	0.0
VAN	11	2.9	452	4.4	933	4.8	1,396	4.7
BUS	0	0.0	6	0.1	58	0.3	64	0.2
SCHOOL BUS	0	0.0	6	0.1	26	0.1	32	0.1
MOTORCYCLE	30	7.8	380	3.7	39	0.2	449	1.5
MOPED	0	0.0	5	0.1	1	0.0	6	0.0
MOTOR HOME / CAMPER	0	0.0	4	0.0	20	0.1	24	0.1
FARM EQUIPMENT	0	0.0	3	0.0	9	0.1	12	0.0
CONSTRUCTIONEQUIPMENT	0	0.0	0	0.0	4	0.0	4	0.0
OTHER TRANSPORT DEVICE	0	0.0	6	0.1	26	0.1	32	0.1
PICKUP TRUCK	84	21.8	1,960	19.2	3,497	18.1	5,541	18.5
OTHER TRUCKS	13	3.4	214	2.1	1,544	8.0	1,771	5.9
ALL TERRAIN VEHICLE	8	2.1	40	0.4	2	0.0	50	0.2
UNKNOWN	0	-	8	-	474	-	482	-
TOTAL	386	100.0	10,196	100.0	19,853	100.0	30,435	100.0

¹This table includes only those vehicles striking a fixed object during the first harmful event in a crash.

TABLE 3.10.11

VEHICLES STRIKING FIXED OBJECTS IN 2006 MISSOURI CRASHES¹

DRIVER INVOLVEMENT BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRIVERLESS	3	0.8	4	0.0	185	0.9	192	0.6
KNOWN DRIVER INVOLVED	381	98.7	10,126	99.3	17,266	87.0	27,773	91.3
UNKNOWN DRIVER INVOLVED	2	0.5	66	0.7	2,402	12.1	2,470	8.1
TOTAL	386	100.0	10,196	100.0	19,853	100.0	30,435	100.0

¹This table includes only vehicles striking fixed objects during the first harmful event in a crash.

TABLE 3.10.12

DRIVERS OF VEHICLES STRIKING FIXED OBJECTS IN 2006 MISSOURI CRASHES¹

SEX OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MALE	294	77.4	6,134	60.6	11,344	66.4	17,772	64.4
FEMALE	86	22.6	3,990	39.4	5,745	33.6	9,821	35.6
UNKNOWN	3	-	68	-	2,579	-	2,650	-
TOTAL	383	100.0	10,192	100.0	19,668	100.0	30,243	100.0

¹The table includes only drivers of vehicles striking fixed objects during the first harmful event in a crash.

TABLE 3.10.13

DRIVERS OF VEHICLES STRIKING FIXED OBJECTS IN 2006 MISSOURI CRASHES¹

AGE OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AVERAGE AGE OF DRIVER	35.0	-	33.2	-	33.3	-	33.3	-
14 YEARS AND UNDER	5	1.3	86	0.9	101	0.6	192	0.7
15 - 20 YEARS	83	21.8	2,766	27.4	4,397	25.6	7,246	26.2
21 - 25 YEARS	56	14.7	1,700	16.9	2,990	17.4	4,746	17.2
26 - 30 YEARS	45	11.8	1,076	10.7	1,822	10.6	2,943	10.6
31 - 35 YEARS	27	7.1	775	7.7	1,461	8.5	2,263	8.2
36 - 40 YEARS	32	8.4	680	6.7	1,286	7.5	1,998	7.2
41 - 45 YEARS	32	8.4	755	7.5	1,292	7.5	2,079	7.5
46 - 50 YEARS	24	6.3	622	6.2	1,207	7.0	1,853	6.7
51 - 55 YEARS	29	7.6	520	5.2	832	4.8	1,381	5.0
56 - 60 YEARS	19	5.0	370	3.7	615	3.6	1,004	3.6
61 - 65 YEARS	9	2.4	209	2.1	394	2.3	612	2.2
66 YEARS AND OVER	19	5.0	532	5.3	793	4.6	1,344	4.9
UNKNOWN	3	-	101	-	2,478	-	2,582	-
TOTAL	383	100.0	10,192	100.0	19,668	100.0	30,243	100.0

¹This table includes only drivers of vehicles striking fixed objects during the first harmful event in a crash.

TABLE 3.10.14

DRIVERS OF VEHICLES STRIKING FIXED OBJECTS IN 2006 MISSOURI CRASHES¹

DRIVER'S LICENSE STATE AND TYPE BY CRASH SEVERITY

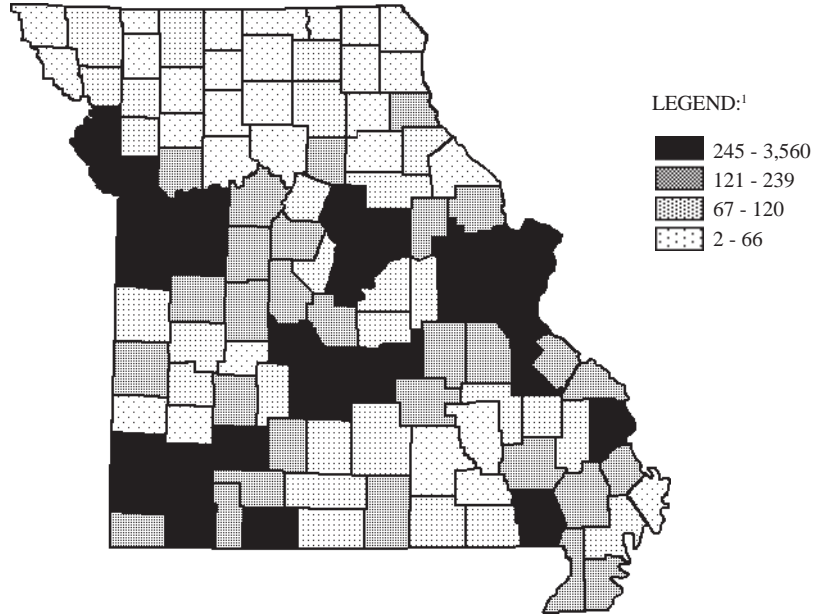
	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MISSOURI								
LEARNER'S PERMIT	5	1.3	69	0.7	127	0.8	201	0.8
OPERATOR'S LICENSE	258	68.4	7,706	77.4	12,372	74.4	20,336	75.4
MOTORCYCLE ONLY	1	0.3	2	0.0	0	0.0	3	0.0
COMMERCIAL DRIVER'S LICENSE	26	6.9	428	4.3	1,068	6.4	1,522	5.6
SUBTOTAL	290	76.9	8,205	82.4	13,567	81.5	22,062	81.8
OUT STATE								
LEARNER'S PERMIT	0	0.0	6	0.1	3	0.0	9	0.0
OPERATOR'S LICENSE	30	8.0	807	8.1	1,530	9.2	2,367	8.8
MOTORCYCLE ONLY	0	0.0	0	0.0	0	0.0	0	0.0
COMMERCIAL DRIVER'S LICENSE	6	1.6	109	1.1	612	3.7	727	2.7
SUBTOTAL	36	9.5	922	9.3	2,145	12.9	3,103	11.5
UNLICENSED	51	13.5	833	8.4	925	5.6	1,809	6.7
UNKNOWN	6	-	232	-	3,031	-	3,269	-
TOTAL	383	100.0	10,192	100.0	19,668	100.0	30,243	100.0

¹This table includes only drivers of vehicles striking fixed objects during the first harmful event in a crash.

TABLE 3.10.15

2006 FIXED OBJECT INVOLVED CRASHES

COUNTY QUARTILE ANALYSIS



¹LEGEND CATEGORIES ARE BASED ON QUARTILES OF COUNTIES.

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
1.0	ST. LOUIS	3,560	11.7	22.0	COLE	311	1.0
2.0	JACKSON	3,138	10.3	23.0	PULASKI	289	0.9
3.0	ST. LOUIS CITY	2,208	7.3	24.0	BUTLER	274	0.9
4.0	ST. CHARLES	1,328	4.4	25.0	LACLEDE	257	0.8
5.0	JEFFERSON	1,292	4.2	26.0	LAWRENCE	254	0.8
6.0	GREENE	1,097	3.6	27.0	BARRY	249	0.8
7.0	CLAY	932	3.1	28.5	CAMDEN	245	0.8
8.0	FRANKLIN	787	2.6	28.5	WARREN	245	0.8
9.0	BOONE	590	1.9				
10.0	PLATTE	528	1.7				First Quartile
11.0	JASPER	522	1.7				
12.0	CAPE GIRARDEAU	434	1.4	30.0	CRAWFORD	239	0.8
13.0	BUCHANAN	423	1.4	31.0	LINCOLN	230	0.8
14.0	PHELPS	421	1.4	32.0	CHRISTIAN	224	0.7
15.0	TANEY	388	1.3	33.0	PETTIS	216	0.7
16.0	LAFAYETTE	356	1.2	34.0	STONE	206	0.7
17.0	CALLAWAY	349	1.1	35.0	HOWELL	200	0.7
18.0	NEWTON	346	1.1	36.0	MC DONALD	199	0.7
19.0	ST. FRANCOIS	337	1.1	37.0	WEBSTER	198	0.7
20.0	CASS	332	1.1	38.0	SCOTT	197	0.6
21.0	JOHNSON	315	1.0	39.0	POLK	190	0.6

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
40.0	COOPER	184	0.6	78.5	DE KALB	74	0.2
41.0	MILLER	179	0.6	78.5	MADISON	74	0.2
42.0	SALINE	178	0.6	80.0	ST. CLAIR	73	0.2
43.0	STODDARD	173	0.6	81.5	RALLS	72	0.2
44.5	MARION	172	0.6	81.5	WRIGHT	72	0.2
44.5	WASHINGTON	172	0.6	83.0	CEDAR	71	0.2
46.0	BENTON	161	0.5	84.0	HOWARD	69	0.2
47.0	DUNKLIN	159	0.5	85.0	MARIES	68	0.2
48.0	RAY	157	0.5	86.0	OREGON	67	0.2
49.0	MORGAN	155	0.5				
50.0	PEMISCOT	148	0.5				Third Quartile
51.0	MONTGOMERY	145	0.5				
52.0	HENRY	142	0.5				Fourth Quartile
53.0	RANDOLPH	136	0.4	87.5	DAVIESS	66	0.2
54.0	PERRY	134	0.4	87.5	PIKE	66	0.2
55.0	WAYNE	127	0.4	89.5	LIVINGSTON	63	0.2
56.0	VERNON	126	0.4	89.5	MISSISSIPPI	63	0.2
57.5	DENT	121	0.4	92.0	CARTER	62	0.2
57.5	STE. GENEVIEVE	121	0.4	92.0	HOLT	62	0.2
			Second Quartile	92.0	LINN	62	0.2
				94.0	REYNOLDS	59	0.2
			Third Quartile	95.5	GRUNDY	58	0.2
				95.5	SHANNON	58	0.2
59.0	TEXAS	120	0.4	97.0	CARROLL	55	0.2
60.0	AUDRAIN	116	0.4	98.0	BARTON	54	0.2
61.0	BATES	114	0.4	99.5	CALDWELL	50	0.2
62.0	CLINTON	105	0.3	99.5	HICKORY	50	0.2
63.0	NEW MADRID	104	0.3	101.0	SULLIVAN	47	0.2
64.5	HARRISON	97	0.3	102.5	LEWIS	43	0.1
64.5	NODAWAY	97	0.3	102.5	MONROE	43	0.1
66.0	GASCONADE	95	0.3	104.5	ATCHISON	37	0.1
67.5	ANDREW	89	0.3	104.5	DADE	37	0.1
67.5	OSAGE	89	0.3	106.0	PUTNAM	33	0.1
69.0	MONITEAU	88	0.3	107.0	CHARITON	31	0.1
70.0	DALLAS	83	0.3	108.0	CLARK	30	0.1
72.0	BOLLINGER	82	0.3	109.0	GENTRY	29	0.1
72.0	DOUGLAS	82	0.3	110.0	SHELBY	25	0.1
72.0	RIPLEY	82	0.3	111.0	SCOTLAND	20	0.1
74.0	IRON	80	0.3	112.5	KNOX	16	0.1
75.0	ADAIR	76	0.2	112.5	WORTH	16	0.1
76.5	MACON	75	0.2	114.0	MERCER	13	0.0
76.5	OZARK	75	0.2	115.0	SCHUYLER	2	0.0

TABLE 3.10.16

2006 FIXED OBJECT INVOLVED CRASHES

CITY LISTING

RANK	CITY	FREQUENCY	PERCENT ¹
1.0	KANSAS CITY	2,500	16.5
2.0	ST. LOUIS	2,208	14.6
3.0	SPRINGFIELD	688	4.5
4.0	INDEPENDENCE	463	3.1
5.0	ST. JOSEPH	324	2.1
6.0	COLUMBIA	301	2.0
7.0	LEE'S SUMMIT	269	1.8
8.0	ST. CHARLES	251	1.7
9.0	JOPLIN	223	1.5
10.0	CAPE GIRARDEAU	211	1.4
11.0	O'FALLON	210	1.4
12.0	CHESTERFIELD	190	1.3
13.0	ST. PETERS	182	1.2
14.0	JEFFERSON CITY	174	1.1
15.0	BLUE SPRINGS	149	1.0
16.0	MARYLAND HEIGHTS	143	0.9
18.0	BERKELEY	142	0.9
18.0	BRIDGETON	142	0.9
18.0	SUNSET HILLS	142	0.9
20.0	KIRKWOOD	127	0.8
21.0	FLORISSANT	119	0.8
22.0	POPLAR BLUFF	116	0.8
23.0	WILDWOOD	115	0.8
24.0	CREVE COEUR	105	0.7
25.0	ARNOLD	99	0.7
26.0	UNIVERSITY CITY	98	0.6
27.0	HANNIBAL	97	0.6
28.5	ROLLA	93	0.6
28.5	WENTZVILLE	93	0.6
30.0	LIBERTY	90	0.6
31.0	BRANSON	87	0.6
32.0	HAZELWOOD	85	0.6
33.0	FESTUS	83	0.5
34.0	RAYTOWN	81	0.5
35.0	BALLWIN	75	0.5
37.0	GLADSTONE	73	0.5
37.0	GRANDVIEW	73	0.5
37.0	SEDALIA	73	0.5
40.5	OVERLAND	69	0.5
40.5	ST. ANN	69	0.5
40.5	ST. ROBERT	69	0.5
40.5	TOWN AND COUNTRY	69	0.5

¹Percentage is based on fixed object 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 3.10.17

**MISSOURI FATAL AND PERSONAL INJURY FIXED OBJECT CRASHES
ANNUAL TIME SERIES**

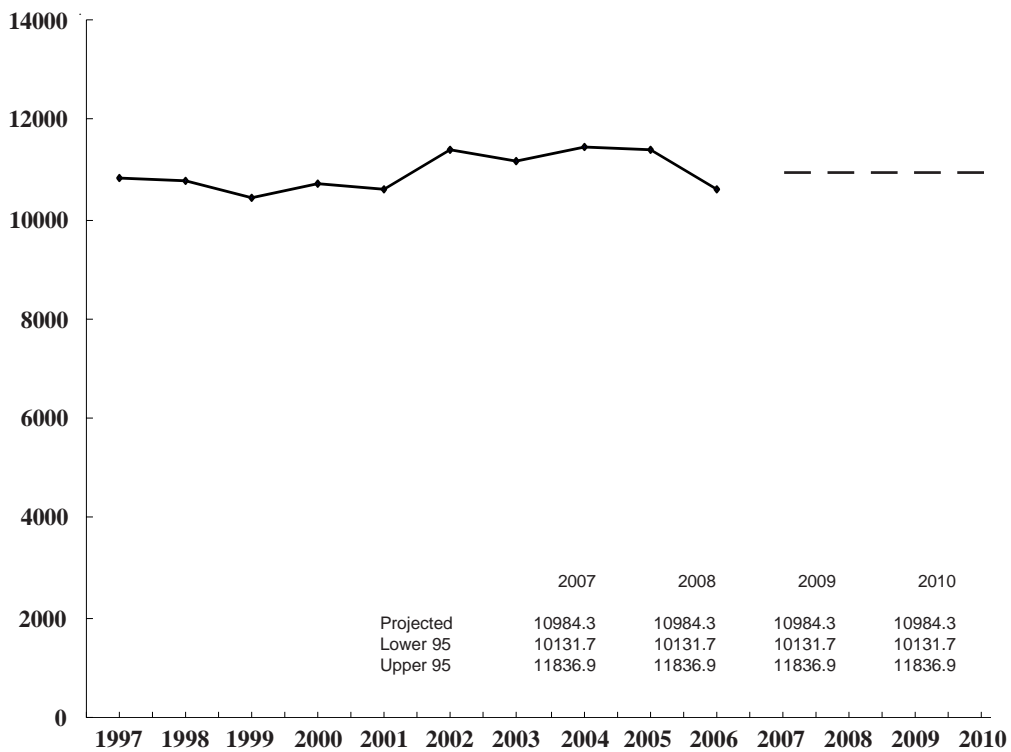


FIGURE 3.10.4

3.11 HAZARDOUS MATERIAL INVOLVEMENT

This section presents a series of data displays which identify hazardous material involvement in Missouri's traffic crash experience. Hazardous material traffic crashes are defined as any crash in which one or more of the vehicles involved were carrying hazardous materials. Data displays also are provided which identify characteristics about the type of hazardous material being carried as well as the vehicle and driver transporting the material.

2006 SUMMARY ANALYSIS

- Of all 2006 Missouri traffic crashes, 0.1% involved hazardous materials. Of all fatal traffic crashes, 0.3% were hazardous material related. Three people were killed and 43 were injured in traffic crashes involving hazardous materials.
- There was a decrease of 4.6% in the rate of change when comparing all 2006 hazardous material involved traffic crash activity with that in 2005.
- In 2006, one person was killed or injured in hazardous material involved traffic crashes every 7.9 days in the State of Missouri.
- Of all 2006 hazardous material traffic crashes, the first harmful event in 60.2% of the cases involved one motor vehicle in transport striking another motor vehicle in transport. The first harmful event in 16.5% of the cases was a motor vehicle in transport striking a fixed object and in 11.7% of the incidents a motor vehicle overturned.
- Of all 2006 hazardous material traffic crashes, 28.2% occurred in urban areas and 71.8% occurred in rural areas of the State. Two of the fatal crashes occurred in a rural area.
- Of all vehicles carrying hazardous materials in traffic crashes, 72.4% were two-unit trucks and 21.0% were single unit trucks.
- Of all vehicles carrying hazardous materials, 15.2% had their materials released as a result of the traffic crash.
- Of the drivers transporting hazardous materials in 2006 traffic crashes, 95.2% were male and 4.8% were female. The average age of the driver was 46.8 years.
- Of the drivers, 63.7% had a Missouri driver's license and 36.3% had an out-of-state driver's license at the time of the crash.

2006 MISSOURI TRAFFIC CRASHES
HAZARDOUS MATERIAL INVOLVEMENT

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	TOTAL NUMBER¹ KILLED	INJURED	DRIVERS/PASSENGERS OF VEHICLES CARRYING HAZARDOUS MATERIALS² KILLED	INJURED
HAZARDOUS MATERIALS INVOLVED	3	0.3	28	0.1	72	0.1	103	0.1	3	43	1	18
NO HAZARDOUS MATERIALS INVOLVED	968	99.7	42,110	99.9	123,962	99.9	167,040	99.9	1,093	62,035	-	-
TOTAL	971	100.0	42,138	100.0	124,034	100.0	167,143	100.0	1,096	62,078	1	18

¹This statistic indicates the total number of persons killed and injured in a crash where hazardous materials were involved.

²This statistic indicates the number of drivers and passengers of vehicles carrying hazardous materials killed and injured.

TABLE 3.11.1

2005 and 2006 HAZARDOUS MATERIAL INVOLVED CRASH ANALYSIS

	2005	2006	RATE OF CHANGE
FATAL	1	3	+ 200.0
PERSONAL INJURY	29	28	- 3.4
PROPERTY DAMAGE	78	72	- 7.7
TOTAL	108	103	- 4.6

TABLE 3.11.2

2006 HAZARDOUS MATERIAL INVOLVED CRASHES

CRASH TYPE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
ANIMAL	0	0.0	0	0.0	2	2.8	2	1.9
BICYCLIST	0	0.0	0	0.0	0	0.0	0	0.0
FIXED OBJECT	0	0.0	4	14.3	13	18.1	17	16.5
OTHER OBJECT	0	0.0	0	0.0	3	4.2	3	2.9
PEDESTRIAN	0	0.0	0	0.0	0	0.0	0	0.0
TRAIN	0	0.0	1	3.6	2	2.8	3	2.9
VEHICLE IN TRANSPORT	2	66.7	19	67.9	41	56.9	62	60.2
VEHICLE ON OTHER ROADWAY	0	0.0	0	0.0	1	1.4	1	1.0
PARKED VEHICLE	0	0.0	0	0.0	1	1.4	1	1.0
NONCOLLISION OVERTURN	1	33.3	3	10.7	8	11.1	12	11.7
NONCOLLISION OTHER	0	0.0	1	3.6	1	1.4	2	1.9
TOTAL	3	100.0	28	100.0	72	100.0	103	100.0

TABLE 3.11.3

2006 HAZARDOUS MATERIAL INVOLVED CRASHES

AREA CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
URBAN	1	33.3	7	25.0	21	29.2	29	28.2
RURAL	2	66.7	21	75.0	51	70.8	74	71.8
TOTAL	3	100.0	28	100.0	72	100.0	103	100.0

TABLE 3.11.4

2006 HAZARDOUS MATERIAL INVOLVED CRASHES

ROAD CURVATURE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
STRAIGHT	1	33.3	22	78.6	61	85.9	84	82.4
CURVE	2	66.7	6	21.4	10	14.1	18	17.6
UNKNOWN	0	-	0	-	1	-	1	-
TOTAL	3	100.0	28	100.0	72	100.0	103	100.0

TABLE 3.11.5

2006 HAZARDOUS MATERIAL INVOLVED CRASHES

ROAD INCLINE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
LEVEL	0	0.0	15	53.6	40	57.1	55	54.5
HILL	3	100.0	12	42.9	28	40.0	43	42.6
CREST	0	0.0	1	3.6	2	2.9	3	3.0
UNKNOWN	0	-	0	-	2	-	2	-
TOTAL	3	100.0	28	100.0	72	100.0	103	100.0

TABLE 3.11.6

2006 HAZARDOUS MATERIAL INVOLVED CRASHES

ROAD CONDITIONS BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRY	3	100.0	24	85.7	61	85.9	88	86.3
WET	0	0.0	3	10.7	9	12.7	12	11.8
SNOW	0	0.0	0	0.0	1	1.4	1	1.0
ICE	0	0.0	0	0.0	0	0.0	0	0.0
SLUSH	0	0.0	1	3.6	0	0.0	1	1.0
MUD	0	0.0	0	0.0	0	0.0	0	0.0
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	-	0	-	1	-	1	-
TOTAL	3	100.0	28	100.0	72	100.0	103	100.0

TABLE 3.11.7

2006 HAZARDOUS MATERIAL INVOLVED CRASHES

HIGHWAY CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	2	66.7	17	60.7	23	31.9	42	40.8
U.S. HIGHWAY	1	33.3	4	14.3	9	12.5	14	13.6
STATE NUMBERED	0	0.0	1	3.6	18	25.0	19	18.5
SINGLE STATE LETTERED	0	0.0	1	3.6	5	6.9	6	5.8
DOUBLE STATE LETTERED	0	0.0	1	3.6	0	0.0	1	1.0
OUTER ROAD	0	0.0	0	0.0	1	1.4	1	1.0
COUNTY ROAD	0	0.0	3	10.7	4	5.6	7	6.8
CITY STREET	0	0.0	1	3.6	11	15.3	12	11.7
INTERSTATE LOOP	0	0.0	0	0.0	0	0.0	0	0.0
OTHER ¹	0	0.0	0	0.0	1	1.4	1	1.0
TOTAL	3	100.0	28	100.0	72	100.0	103	100.0

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

TABLE 3.11.8

**2006 MISSOURI HAZARDOUS MATERIAL INVOLVED CRASHES
MONTH OF YEAR**

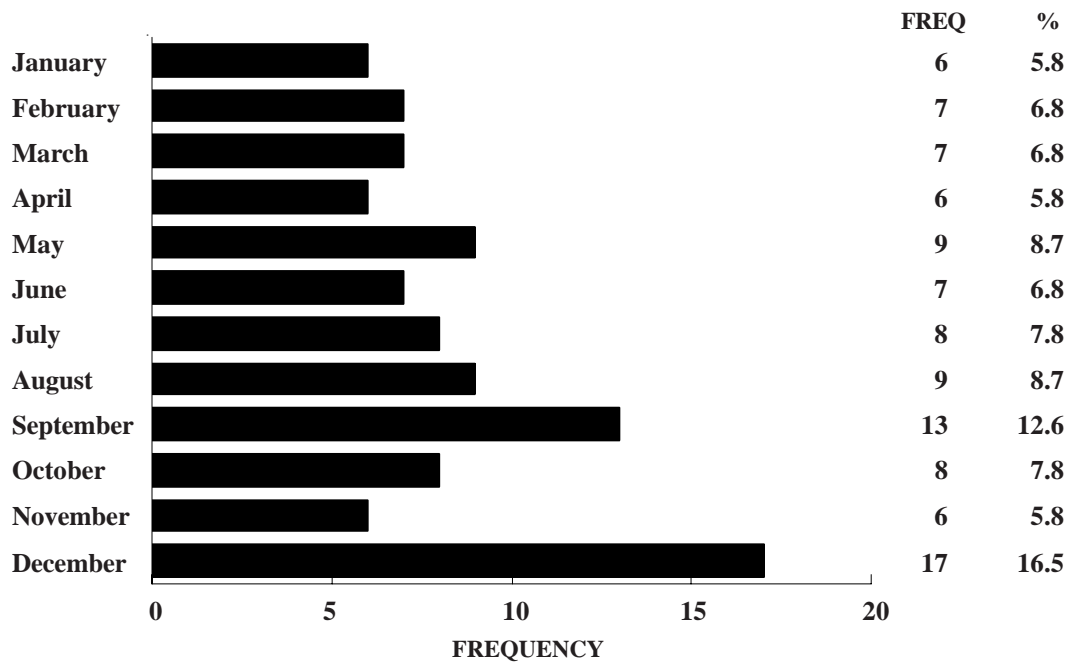


FIGURE 3.11.1

**2006 MISSOURI HAZARDOUS MATERIAL INVOLVED CRASHES
DAY OF WEEK**

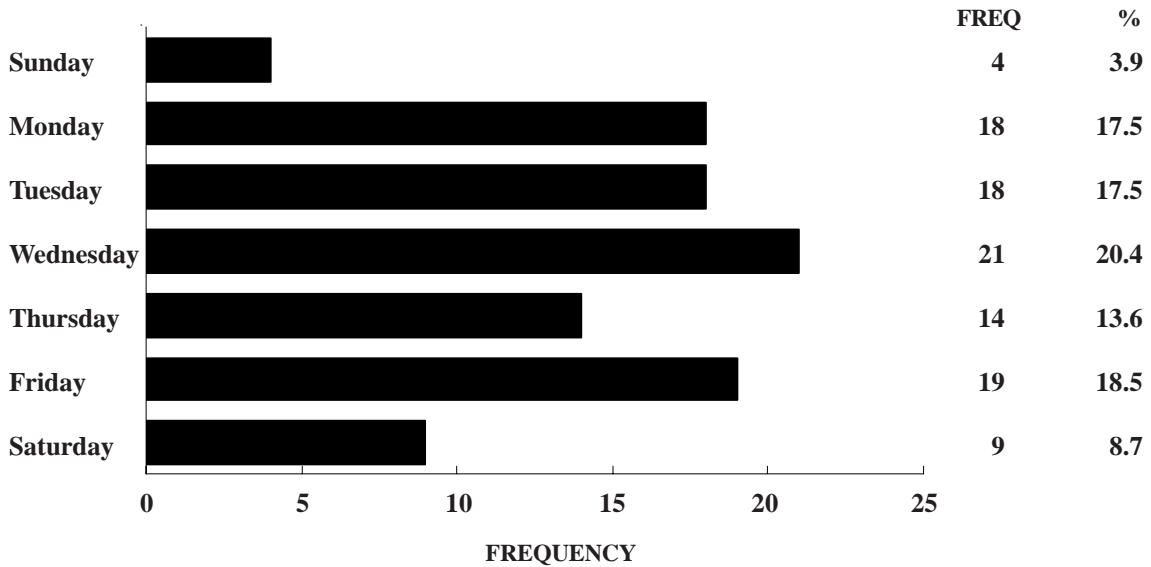


FIGURE 3.11.2

**2006 MISSOURI HAZARDOUS MATERIAL INVOLVED CRASHES
HOUR OF DAY**

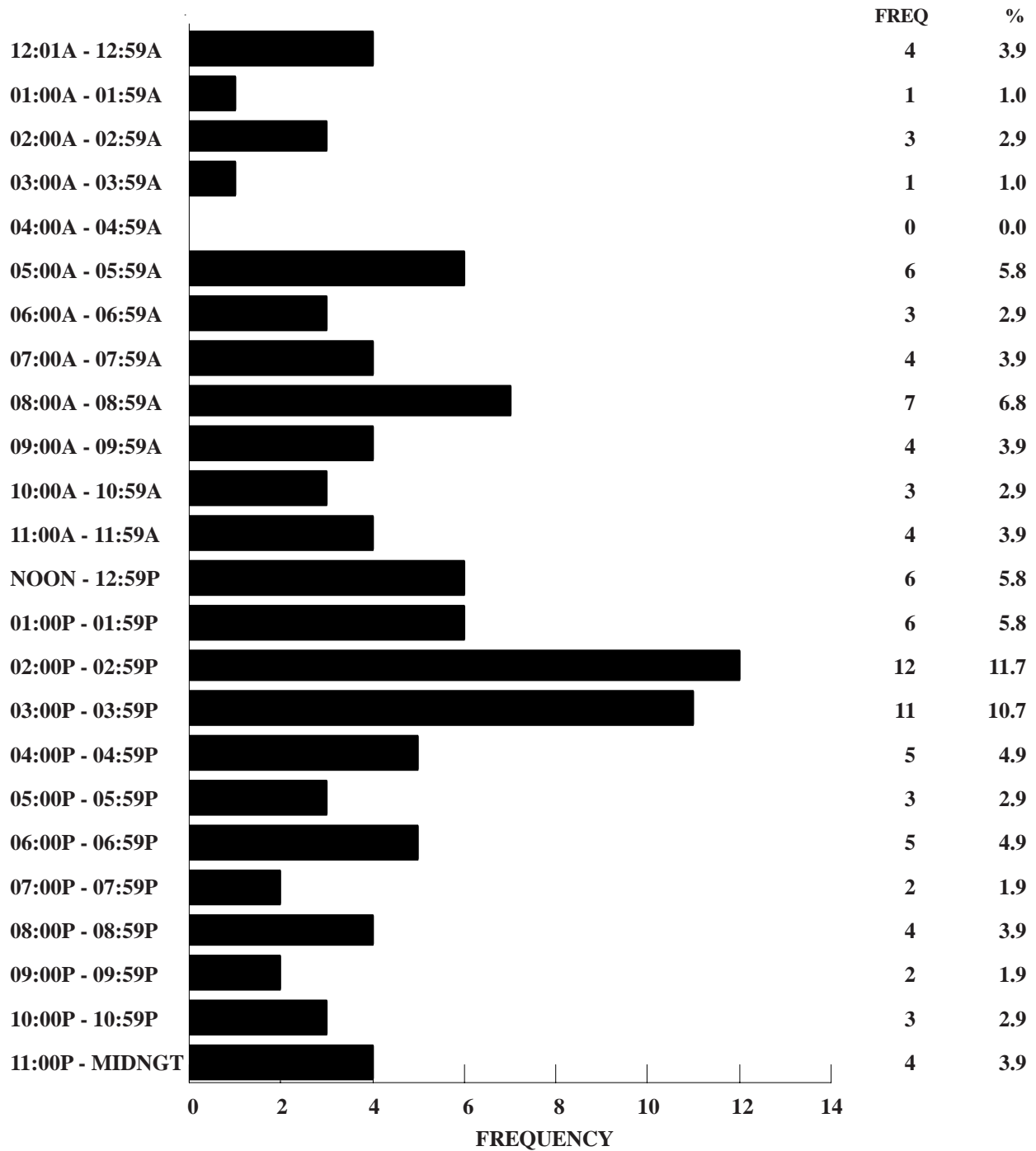


FIGURE 3.11.3

VEHICLES CARRYING HAZARDOUS MATERIALS INVOLVED IN 2006 MISSOURI CRASHES

TYPE OF VEHICLE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
PASSENGER CAR	0	0.0	0	0.0	2	2.8	2	1.9
FARMEQUIPMENT	0	0.0	1	3.3	0	0.0	1	1.0
PICKUP TRUCK	0	0.0	0	0.0	3	4.2	3	2.9
SINGLE UNIT TRUCK	0	0.0	4	13.3	18	25.0	22	21.0
TWO UNIT TRUCK	3	100.0	25	83.3	48	66.7	76	72.4
OTHER HEAVY TRUCK	0	0.0	0	0.0	1	1.4	1	1.0
TOTAL	3	100.0	30	100.0	72	100.0	105	100.0

TABLE 3.11.9

VEHICLES CARRYING HAZARDOUS MATERIALS INVOLVED IN 2006 MISSOURI CRASHES

TYPE OF HAZARDOUS MATERIAL CARRIED BY SPILLAGE AND CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
SPILLED								
GASES IN BULK	1	33.3	0	0.0	2	2.8	3	2.9
SOLIDS IN BULK	0	0.0	0	0.0	1	1.4	1	1.0
LIQUIDS IN BULK	1	33.3	3	10.0	6	8.3	10	9.5
EXPLOSIVES	0	0.0	2	6.7	0	0.0	2	1.9
SUBTOTAL	2	66.7	5	16.7	9	12.5	16	15.2
NOT SPILLED								
GASES IN BULK	0	0.0	4	13.3	18	25.0	22	21.0
SOLIDS IN BULK	1	33.3	3	10.0	2	2.8	6	5.7
LIQUIDS IN BULK	0	0.0	17	56.7	39	54.2	56	53.3
EXPLOSIVES	0	0.0	1	3.3	4	5.6	5	4.8
SUBTOTAL	1	33.3	25	83.3	63	87.5	89	84.8
TOTAL	3	100.0	30	100.0	72	100.0	105	100.0

TABLE 3.11.10

2006 MISSOURI HAZARDOUS MATERIAL CRASHES

TYPE OF CIRCUMSTANCE INVOLVED BY CRASH SEVERITY AND PERSON CLASSIFICATION¹

FATAL HAZARDOUS MATERIAL CRASHES = 3				TOTAL HAZARDOUS MATERIAL CRASHES = 103		
	HAZARDOUS MATERIAL DRIVER/VEH.	OTHER DRIVER/VEHICLE/PED.	TOTAL FATAL	HAZARDOUS MATERIAL DRIVER/VEH.	OTHER DRIVER/VEHICLE/PED.	TOTAL CRASHES
VEHICLE DEFECTS	0.0	0.0	0.0	4.9	1.0	5.8
TRAFFIC CONTROL INOPERATIVE / MISSING	0.0	0.0	0.0	0.0	0.0	0.0
IMPROPERLY STOPPED ON ROADWAY	0.0	0.0	0.0	1.9	0.0	1.9
EXCEEDING SPEED LIMIT/ TOO FAST FOR CONDITIONS	0.0	0.0	0.0	6.8	3.9	10.7
IMPROPER PASSING	0.0	0.0	0.0	1.0	0.0	1.0
VIOLATION OF STOP SIGN	0.0	0.0	0.0	3.9	1.0	4.9
WRONG SIDE NOT PASSING	0.0	33.3	33.3	1.9	1.9	3.8
FOLLOWING TOO CLOSE	0.0	0.0	0.0	5.8	2.9	8.7
IMPROPER SIGNAL	0.0	0.0	0.0	0.0	0.0	0.0
IMPROPER BACKING	0.0	0.0	0.0	1.0	0.0	1.0
IMPROPER TURN	0.0	0.0	0.0	3.9	1.0	4.9
IMPROPER LANE USAGE / CHANGE	0.0	0.0	0.0	14.6	7.8	19.4
WRONG WAY ONE-WAY STREET	0.0	33.3	33.3	0.0	1.0	1.0
IMPROPER START FROM PARK	0.0	0.0	0.0	0.0	0.0	0.0
IMPROPERLY PARKED	0.0	0.0	0.0	0.0	0.0	0.0
FAILED TO YIELD	0.0	0.0	0.0	7.8	6.8	12.6
DRINKING	0.0	33.3	33.3	0.0	1.9	1.9
DRUGS	0.0	0.0	0.0	0.0	0.0	0.0
PHYSICAL IMPAIRMENT	33.3	0.0	33.3	5.8	1.0	6.8
INATTENTION	0.0	0.0	0.0	17.5	11.7	28.2

¹This table identifies the percentage of hazardous material crashes having a specific type of circumstance which contributed to the cause of the crash. This table further defines the percentage of crashes where the contributing circumstance was associated with the driver of the vehicle carrying hazardous materials or his vehicle as well as those attributed to other persons and vehicles in the crash. For instance, when examining speed involvement in 2006 Missouri hazardous material crashes, it was found that the driver of a vehicle carrying hazardous materials was speeding in 6.8% of the crashes. In 3.9% of the crashes another driver was speeding. In 10.7% of the crashes either the driver of the vehicle carrying hazardous materials, another driver, or both drivers were speeding.

TABLE 3.11.11

VEHICLES CARRYING HAZARDOUS MATERIALS IN 2006 MISSOURI CRASHES

DRIVER INVOLVEMENT BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRIVERLESS	0	0.0	0	0.0	0	0.0	0	0.0
KNOWN DRIVER INVOLVED	3	100.0	30	100.0	71	98.6	104	99.1
UNKNOWN DRIVER INVOLVED	0	0.0	0	0.0	1	1.4	1	1.0
TOTAL	3	100.0	30	100.0	72	100.0	105	100.0

TABLE 3.11.12

DRIVERS OF VEHICLES CARRYING HAZARDOUS MATERIALS IN 2006 MISSOURI CRASHES

SEX OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MALE	3	100.0	29	96.7	67	94.4	99	95.2
FEMALE	0	0.0	1	3.3	4	5.6	5	4.8
UNKNOWN	0	-	0	-	1	-	1	-
TOTAL	3	100.0	30	100.0	72	100.0	105	100.0

TABLE 3.11.13

DRIVERS OF VEHICLES CARRYING HAZARDOUS MATERIALS IN 2006 MISSOURI CRASHES

AGE OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AVERAGE AGE OF DRIVER	37.7	-	45.1	-	48.0	-	46.8	-
14 YEARS AND UNDER	0	0.0	0	0.0	0	0.0	0	0.0
15 - 20 YEARS	0	0.0	0	0.0	1	1.4	1	1.0
21 - 25 YEARS	0	0.0	0	0.0	3	4.2	3	2.9
26 - 30 YEARS	0	0.0	2	6.7	3	4.2	5	4.8
31 - 35 YEARS	1	33.3	4	13.3	4	5.6	9	8.7
36 - 40 YEARS	1	33.3	4	13.3	8	11.3	13	12.5
41 - 45 YEARS	1	33.3	6	20.0	11	15.5	18	17.3
46 - 50 YEARS	0	0.0	5	16.7	10	14.1	15	14.4
51 - 55 YEARS	0	0.0	5	16.7	10	14.1	15	14.4
56 - 60 YEARS	0	0.0	3	10.0	9	12.7	12	11.5
61 - 65 YEARS	0	0.0	1	3.3	7	9.9	8	7.7
66 YEARS AND OVER	0	0.0	0	0.0	5	7.0	5	4.8
UNKNOWN	0	-	0	-	1	-	1	-
TOTAL	3	100.0	30	100.0	72	100.0	105	100.0

TABLE 3.11.14

DRIVERS OF VEHICLES CARRYING HAZARDOUS MATERIALS IN 2006 MISSOURI CRASHES

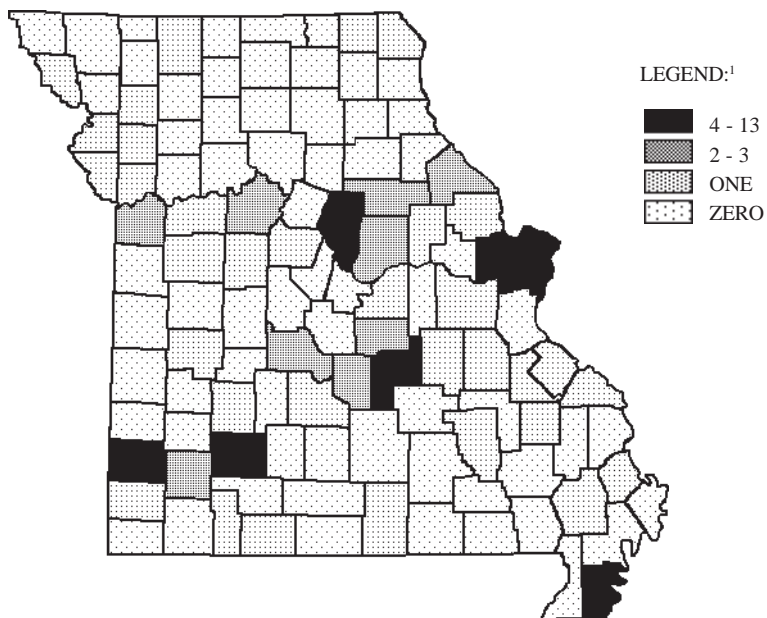
DRIVER'S LICENSE STATE AND TYPE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MISSOURI								
LEARNER'S PERMIT	0	0.0	0	0.0	0	0.0	0	0.0
OPERATOR'S LICENSE	0	0.0	0	0.0	4	5.7	4	3.9
MOTORCYCLE ONLY	0	0.0	0	0.0	0	0.0	0	0.0
COMMERCIAL DRIVER'S LICENSE	0	0.0	20	69.0	41	58.6	61	59.8
SUBTOTAL	0	0.0	20	69.0	45	64.3	65	63.7
OUT STATE								
LEARNER'S PERMIT	0	0.0	0	0.0	0	0.0	0	0.0
OPERATOR'S LICENSE	0	0.0	0	0.0	3	4.3	3	2.9
MOTORCYCLE ONLY	0	0.0	0	0.0	0	0.0	0	0.0
COMMERCIAL DRIVER'S LICENSE	3	100.0	9	31.0	22	31.4	34	33.3
SUBTOTAL	3	100.0	9	31.0	25	35.7	37	36.3
UNLICENSED	0	0.0	0	0.0	0	0.0	0	0.0
UNKNOWN	0	-	1	-	2	-	3	-
TOTAL	3	100.0	30	100.0	72	100.0	105	100.0

TABLE 3.11.15

2006 HAZARDOUS MATERIAL INVOLVED CRASHES

COUNTY QUARTILE ANALYSIS



¹LEGEND CATEGORIES ARE BASED ON QUARTILES OF COUNTIES.

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
1.0	ST. LOUIS	13	12.6				
2.0	ST. LOUIS CITY	8	7.8				
3.5	BOONE	6	5.8				
3.5	GREENE	6	5.8				
5.0	PEMISCOT	5	4.9				
7.0	JASPER	4	3.9				
7.0	PHELPS	4	3.9				
7.0	ST. CHARLES	4	3.9				
First Quartile							

Second Quartile							
9.5	CAMDEN	3	2.9	34.0	BUCHANAN	1	1.0
9.5	LAWRENCE	3	2.9	34.0	CLARK	1	1.0
14.0	AUDRAIN	2	1.9	34.0	CLAY	1	1.0
14.0	CALLAWAY	2	1.9	34.0	CLINTON	1	1.0
14.0	JACKSON	2	1.9	34.0	COOPER	1	1.0
14.0	MARIES	2	1.9	34.0	CRAWFORD	1	1.0
14.0	PIKE	2	1.9	34.0	DE KALB	1	1.0
14.0	PULASKI	2	1.9	34.0	FRANKLIN	1	1.0
14.0	SALINE	2	1.9	34.0	HARRISON	1	1.0
Second Quartile							

Third Quartile							
				34.0	HOLT	1	1.0
				34.0	HOWELL	1	1.0
				34.0	JOHNSON	1	1.0
				34.0	LACLEDE	1	1.0
				34.0	LAFAYETTE	1	1.0
				34.0	LINCOLN	1	1.0
				34.0	MADISON	1	1.0
				34.0	MONTGOMERY	1	1.0
				34.0	NEWTON	1	1.0
				34.0	OSAGE	1	1.0
				34.0	PERRY	1	1.0

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
34.0	PETTIS	1	1.0	83.0	GENTRY	0	0.0
34.0	PLATTE	1	1.0	83.0	GRUNDY	0	0.0
34.0	POLK	1	1.0	83.0	HENRY	0	0.0
34.0	REYNOLDS	1	1.0	83.0	HICKORY	0	0.0
34.0	ST. CLAIR	1	1.0	83.0	HOWARD	0	0.0
34.0	ST. FRANCOIS	1	1.0	83.0	IRON	0	0.0
34.0	STE. GENEVIEVE	1	1.0	83.0	JEFFERSON	0	0.0
34.0	SCOTLAND	1	1.0	83.0	KNOX	0	0.0
34.0	SCOTT	1	1.0	83.0	LEWIS	0	0.0
34.0	STODDARD	1	1.0	83.0	LINN	0	0.0
34.0	STONE	1	1.0	83.0	LIVINGSTON	0	0.0
34.0	TANEY	1	1.0	83.0	MC DONALD	0	0.0
34.0	WASHINGTON	1	1.0	83.0	MACON	0	0.0
Third Quartile				83.0	MARION	0	0.0
Fourth Quartile				83.0	MERCER	0	0.0
83.0	ADAIR	0	0.0	83.0	MILLER	0	0.0
83.0	ANDREW	0	0.0	83.0	MISSISSIPPI	0	0.0
83.0	ATCHISON	0	0.0	83.0	MONITEAU	0	0.0
83.0	BARRY	0	0.0	83.0	MONROE	0	0.0
83.0	BARTON	0	0.0	83.0	MORGAN	0	0.0
83.0	BATES	0	0.0	83.0	NEW MADRID	0	0.0
83.0	BENTON	0	0.0	83.0	NODAWAY	0	0.0
83.0	BOLLINGER	0	0.0	83.0	OREGON	0	0.0
83.0	BUTLER	0	0.0	83.0	OZARK	0	0.0
83.0	CALDWELL	0	0.0	83.0	PUTNAM	0	0.0
83.0	CAPE GIRARDEAU	0	0.0	83.0	RALLS	0	0.0
83.0	CARROLL	0	0.0	83.0	RANDOLPH	0	0.0
83.0	CARTER	0	0.0	83.0	RAY	0	0.0
83.0	CASS	0	0.0	83.0	RIPLEY	0	0.0
83.0	CEDAR	0	0.0	83.0	SCHUYLER	0	0.0
83.0	CHARITON	0	0.0	83.0	SHANNON	0	0.0
83.0	CHRISTIAN	0	0.0	83.0	SHELBY	0	0.0
83.0	COLE	0	0.0	83.0	SULLIVAN	0	0.0
83.0	DADE	0	0.0	83.0	TEXAS	0	0.0
83.0	DALLAS	0	0.0	83.0	VERNON	0	0.0
83.0	DAVIESS	0	0.0	83.0	WARREN	0	0.0
83.0	DENT	0	0.0	83.0	WAYNE	0	0.0
83.0	DOUGLAS	0	0.0	83.0	WEBSTER	0	0.0
83.0	DUNKLIN	0	0.0	83.0	WORTH	0	0.0
83.0	GASCONADE	0	0.0	83.0	WRIGHT	0	0.0

TABLE 3.11.16

2006 HAZARDOUS MATERIAL INVOLVED CRASHES

CITY LISTING

RANK	CITY	FREQUENCY	PERCENT¹
1.0	ST. LOUIS	8	21.1
2.5	COLUMBIA	3	7.9
2.5	JOPLIN	3	7.9
4.0	SUNSET HILLS	2	5.3
15.5	BERKELEY	1	2.6
15.5	BRIDGETON	1	2.6
15.5	DIXON	1	2.6
15.5	HAYTI	1	2.6
15.5	KANSAS CITY	1	2.6
15.5	LADUE	1	2.6
15.5	LIBERTY	1	2.6
15.5	MEXICO	1	2.6
15.5	OSAGE BEACH	1	2.6
15.5	OVERLAND	1	2.6
15.5	PLATTE CITY	1	2.6
15.5	PUXICO	1	2.6
15.5	ROLLA	1	2.6
15.5	ST. CHARLES	1	2.6
15.5	ST. JOSEPH	1	2.6
15.5	ST. ROBERT	1	2.6
15.5	SCOTT CITY	1	2.6
15.5	SPRINGFIELD	1	2.6
15.5	STEELE	1	2.6
15.5	SUGAR CREEK	1	2.6
15.5	TOWN AND COUNTRY	1	2.6
15.5	WEBSTER GROVES	1	2.6

¹Percentage is based on hazardous material involved crashes which occurred in Missouri municipalities with populations of 1,000 or more. Only those municipalities comprising 1.0% or more of these crashes are listed.

TABLE 3.11.17

3.12 CONSTRUCTION / OTHER WORK ZONE INVOLVEMENT

This section presents a series of data displays which identify construction / other work zone involvement in Missouri's traffic crash experience. Construction / other work zone crashes are defined as any traffic crash where one or more of the traffic controls associated with the incident was a construction or other work zone. Data displays are provided which describe characteristics of the incidents as well as all vehicles and drivers directly associated with the traffic crashes.

2006 SUMMARY ANALYSIS

- Of all 2006 Missouri traffic crashes, 2.1% involved construction / other work zones. Of all fatal traffic crashes, 1.7% were construction / other work zone related. A total of 19 persons were killed and 1,193 were injured in traffic crashes involving construction / other work zones.
- In 2006, one person was killed or injured in construction / other work zone involved traffic crashes every 7.2 hours in the State of Missouri.
- Of all 2006 construction / other work zone traffic crashes, the first harmful event in 75.7% of the cases involved one motor vehicle in transport striking another motor vehicle in transport. In 12.6% of the cases, the first harmful event was a motor vehicle in transport striking a fixed object.
- Of all 2006 construction / other work zone traffic crashes, 62.5% occurred in urban areas and 37.5% occurred in rural areas of the State.
- Of all 2006 construction / other work zone traffic crashes, 42.0% occurred on an interstate highway.
- Of all vehicles in construction / other work zone traffic crashes, 47.1% were automobiles, 15.8% were pickup trucks, 14.8% were other types of trucks, and 12.5% were sport utility vehicles.
- Of the drivers in 2006 construction / other work zone related traffic crashes, 63.2% were male and 36.8% were female. The average age of the driver was 40.2 years.
- Of the drivers, 77.0% had a Missouri driver's license, 21.3% had an out-of-state driver's license, and 1.7% were unlicensed at the time of the crash.

2006 MISSOURI TRAFFIC CRASHES
CONSTRUCTION / OTHER WORK ZONE INVOLVEMENT

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	TOTAL NUMBER¹ KILLED INJURED
CONSTRUCTION ZONE INVOLVED	16	1.7	780	1.9	2,630	2.1	3,426	2.1	19
NO CONSTRUCTION ZONE INVOLVED / UNKNOWN ²	955	98.3	41,358	98.1	121,404	97.9	163,717	97.9	1,077
TOTAL	971	100.0	42,138	100.0	124,034	100.0	167,143	100.0	62,078

¹This statistic indicates the total number of persons killed and injured in a crash where a construction / other work zone was involved.

²Crashes were classified this way if construction or other work zone was not marked in the traffic control zone field of the crash report.

TABLE 3.12.1

2005 and 2006 CONSTRUCTION / OTHER WORK ZONE INVOLVED CRASH ANALYSIS

	2005	2006	RATE OF CHANGE
FATAL	15	16	+ 6.7
PERSONAL INJURY	677	780	+ 15.2
PROPERTY DAMAGE	2,457	2,630	+ 7.0
TOTAL	3,149	3,426	+ 8.8

TABLE 3.12.2

2006 CONSTRUCTION / OTHER WORK ZONE INVOLVED CRASHES

TRAFFIC CONTROL BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
CONSTRUCTION ZONE	14	87.5	662	84.9	2,281	86.7	2,957	86.3
OTHER WORK ZONE	2	12.5	118	15.1	349	13.3	469	13.7
TOTAL	16	100.0	780	100.0	2,630	100.0	3,426	100.0

TABLE 3.12.3

2006 CONSTRUCTION / OTHER WORK ZONE INVOLVED CRASHES

CRASH TYPE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
ANIMAL	0	0.0	0	0.0	16	0.6	16	0.5
BICYCLIST	0	0.0	3	0.4	0	0.0	3	0.1
FIXED OBJECT	4	25.0	113	14.5	315	12.0	432	12.6
OTHER OBJECT	1	6.3	18	2.3	139	5.3	158	4.6
PEDESTRIAN	2	12.5	23	3.0	2	0.1	27	0.8
TRAIN	0	0.0	0	0.0	0	0.0	0	0.0
VEHICLE IN TRANSPORT	8	50.0	566	72.6	2,018	76.7	2,592	75.7
VEHICLE ON OTHER ROADWAY	0	0.0	2	0.3	6	0.2	8	0.2
PARKED VEHICLE	0	0.0	17	2.2	69	2.6	86	2.5
NONCOLLISION OVERTURN	1	6.3	28	3.6	15	0.6	44	1.3
NONCOLLISION OTHER	0	0.0	10	1.3	50	1.9	60	1.8
TOTAL	16	100.0	780	100.0	2,630	100.0	3,426	100.0

TABLE 3.12.4

2006 CONSTRUCTION / OTHER WORK ZONE INVOLVED CRASHES

AREA CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
URBAN	7	43.8	499	64.0	1,637	62.2	2,143	62.5
RURAL	9	56.2	281	36.0	993	37.8	1,283	37.5
TOTAL	16	100.0	780	100.0	2,630	100.0	3,426	100.0

TABLE 3.12.5

2006 CONSTRUCTION / OTHER WORK ZONE INVOLVED CRASHES

ROAD CURVATURE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
STRAIGHT	14	87.5	667	86.0	2,182	85.2	2,863	85.4
CURVE	2	12.5	109	14.0	380	14.8	491	14.6
UNKNOWN	0	-	4	-	68	-	72	-
TOTAL	16	100.0	780	100.0	2,630	100.0	3,426	100.0

TABLE 3.12.6

2006 CONSTRUCTION / OTHER WORK ZONE INVOLVED CRASHES

ROAD INCLINE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
LEVEL	9	56.3	514	66.8	1,782	70.1	2,305	69.2
HILL	7	43.7	233	30.3	702	27.6	942	28.3
CREST	0	0.0	23	3.0	59	2.3	82	2.5
UNKNOWN	0	-	10	-	87	-	97	-
TOTAL	16	100.0	780	100.0	2,630	100.0	3,426	100.0

TABLE 3.12.7

2006 CONSTRUCTION / OTHER WORK ZONE INVOLVED CRASHES

ROAD CONDITIONS BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRY	14	87.5	706	91.3	2,342	89.8	3,062	90.1
WET	2	12.5	61	7.9	244	9.4	307	9.0
SNOW	0	0.0	3	0.4	6	0.2	9	0.3
ICE	0	0.0	1	0.1	9	0.3	10	0.3
SLUSH	0	0.0	1	0.1	3	0.1	4	0.1
MUD	0	0.0	0	0.0	1	0.0	1	0.0
STANDING WATER	0	0.0	0	0.0	1	0.0	1	0.0
MOVING WATER	0	0.0	1	0.1	3	0.1	4	0.1
UNKNOWN	0	-	7	-	21	-	28	-
TOTAL	16	100.0	780	100.0	2,630	100.0	3,426	100.0

TABLE 3.12.8

2006 CONSTRUCTION / OTHER WORK ZONE INVOLVED CRASHES

HIGHWAY CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	8	50.0	340	43.6	1,092	41.5	1,440	42.0
U.S. HIGHWAY	4	25.0	127	16.3	406	15.4	537	15.7
STATE NUMBERED	2	12.5	95	12.2	321	12.2	418	12.2
SINGLE STATE LETTERED	1	6.3	18	2.3	46	1.8	65	1.9
DOUBLE STATE LETTERED	0	0.0	13	1.7	50	1.9	63	1.8
OUTER ROAD	0	0.0	4	0.5	19	0.7	23	0.7
COUNTY ROAD	1	6.3	31	4.0	134	5.1	166	4.9
CITY STREET	0	0.0	141	18.1	531	20.2	672	19.6
INTERSTATE LOOP	0	0.0	1	0.1	0	0.0	1	0.0
OTHER ¹	0	0.0	10	1.3	31	1.2	41	1.2
TOTAL	16	100.0	780	100.0	2,630	100.0	3,426	100.0

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

TABLE 3.12.9

**2006 MISSOURI CONSTRUCTION / OTHER WORK ZONE INVOLVED CRASHES
MONTH OF YEAR**

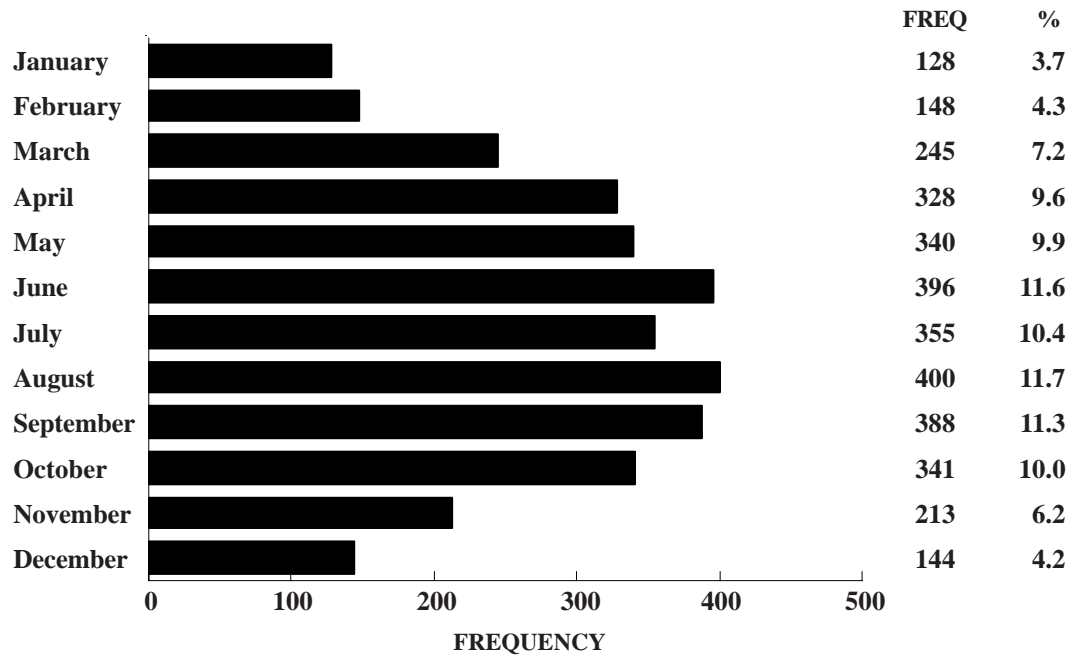
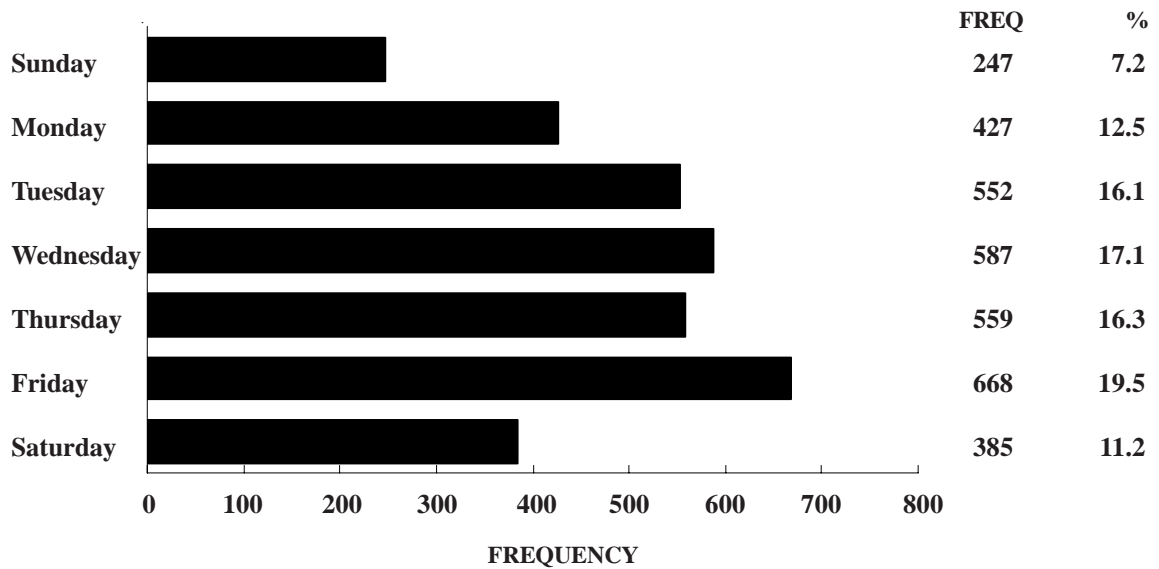


FIGURE 3.12.1

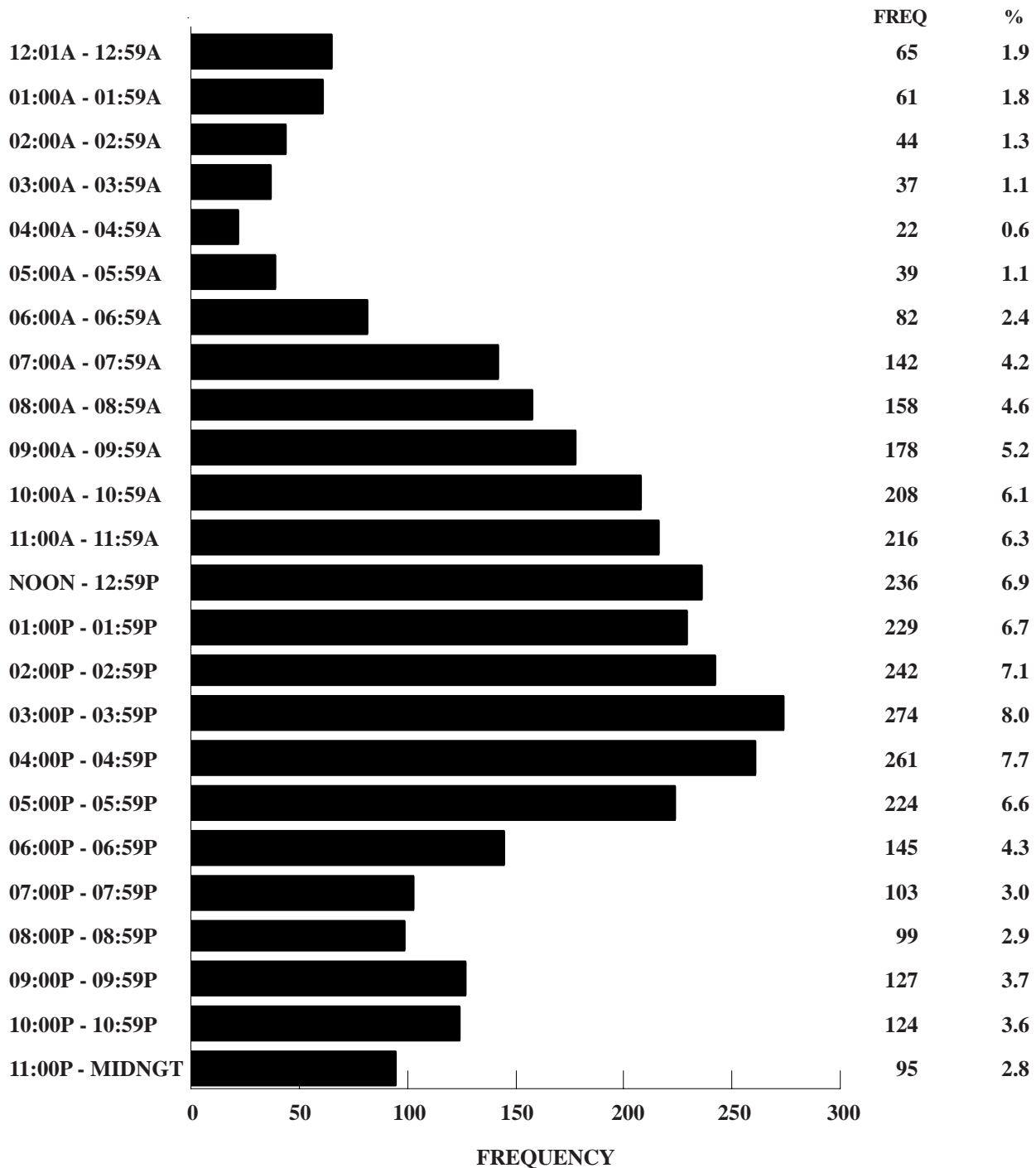
**2006 MISSOURI CONSTRUCTION / OTHER WORK ZONE INVOLVED CRASHES
DAY OF WEEK**



Unknown Data Not Included

FIGURE 3.12.2

**2006 MISSOURI CONSTRUCTION / OTHER WORK ZONE INVOLVED CRASHES
HOUR OF DAY**



Unknown Data Not Included

FIGURE 3.12.3

VEHICLES IN 2006 MISSOURI CONSTRUCTION / OTHER WORK ZONE CRASHES

TYPE OF VEHICLE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AUTOMOBILE	7	20.6	793	50.2	2,305	46.3	3,105	47.1
SPORT UTILITY VEHICLE	3	8.8	216	13.7	605	12.2	824	12.5
LIMOUSINE	0	0.0	0	0.0	4	0.1	4	0.1
VAN	3	8.8	111	7.0	346	7.0	460	7.0
BUS	1	2.9	7	0.4	22	0.4	30	0.5
SCHOOL BUS	0	0.0	3	0.2	5	0.1	8	0.1
MOTORCYCLE	0	0.0	34	2.2	6	0.1	40	0.6
MOPED	0	0.0	1	0.1	1	0.0	2	0.0
BICYCLE	0	0.0	3	0.2	0	0.0	3	0.1
MOTOR HOME / CAMPER	0	0.0	0	0.0	18	0.4	18	0.3
FARM EQUIPMENT	0	0.0	0	0.0	3	0.1	3	0.1
CONSTRUCTION EQUIPMENT	1	2.9	14	0.9	55	1.1	70	1.1
OTHER TRANSPORT DEVICE	0	0.0	4	0.3	6	0.1	10	0.2
PICKUP TRUCK	5	14.7	233	14.8	802	16.1	1,040	15.8
OTHER TRUCKS	14	41.2	159	10.1	800	16.1	973	14.8
ALL TERRAIN VEHICLE	0	0.0	1	0.1	0	0.0	1	0.0
VEHICLE TYPE UNKNOWN	0	-	6	-	51	-	57	-
TOTAL	34	100.0	1,585	100.0	5,029	100.0	6,648	100.0

TABLE 3.12.10

2006 MISSOURI CONSTRUCTION / OTHER WORK ZONE CRASHES

TYPE OF CIRCUMSTANCE INVOLVED BY CRASH SEVERITY¹

FATAL CONSTRUCTION / OTHER WORK ZONE CRASHES = 16	TOTAL CONSTRUCTION / OTHER WORK ZONE CRASHES = 3,426	
VEHICLE DEFECTS	0.0	2.1
TRAFFIC CONTROL INOPERATIVE / MISSING	0.0	0.5
IMPROPERLY STOPPED ON ROADWAY	6.3	0.7
EXCEEDING SPEED LIMIT / TOO FAST FOR CONDITIONS	43.8	15.4
IMPROPER PASSING	0.0	2.7
VIOLATION OF STOP SIGN	6.3	2.2
WRONG SIDE NOT PASSING	6.3	0.9
FOLLOWING TOO CLOSE	18.8	24.6
IMPROPER SIGNAL	0.0	0.2
IMPROPER BACKING	0.0	1.9
IMPROPER TURN	0.0	2.1
IMPROPER LANE USAGE / CHANGE	31.3	16.5
WRONG WAY ONE-WAY STREET	0.0	0.2
IMPROPER START FROM PARK	0.0	0.3
IMPROPERLY PARKED	0.0	0.2
FAILED TO YIELD	12.5	12.2
DRINKING	31.3	3.1
DRUGS	6.3	0.3
PHYSICAL IMPAIRMENT	0.0	1.1
INATTENTION	37.5	33.7

¹This table identifies the percentage of construction / other work zone crashes having a specific type of circumstance which contributed to the cause of the crash. For instance, when examining drinking involvement in 2006 Missouri fatal construction / other work zone crashes, it was found that in 31.3% of the crashes one or more drivers were drinking. In all construction / other work zone traffic crashes, 3.1% had one or more drivers who were drinking.

TABLE 3.12.11

VEHICLES IN 2006 MISSOURI CONSTRUCTION / OTHER WORK ZONE CRASHES

DRIVER INVOLVEMENT BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRIVERLESS	1	2.9	33	2.1	85	1.7	119	1.8
KNOWN DRIVER INVOLVED	33	97.1	1,514	95.5	4,669	92.8	6,216	93.5
UNKNOWN DRIVER INVOLVED	0	0.0	38	2.4	275	5.5	313	4.7
TOTAL	34	100.0	1,585	100.0	5,029	100.0	6,648	100.0

TABLE 3.12.12

DRIVERS OF VEHICLES IN 2006 MISSOURI CONSTRUCTION / OTHER WORK ZONE CRASHES

SEX OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MALE	28	84.9	914	60.4	2,947	64.0	3,889	63.2
FEMALE	5	15.1	600	39.6	1,660	36.0	2,265	36.8
UNKNOWN	0	-	38	-	337	-	375	-
TOTAL	33	100.0	1,552	100.0	4,944	100.0	6,529	100.0

TABLE 3.12.13

DRIVERS OF VEHICLES IN 2006 MISSOURI CONSTRUCTION / OTHER WORK ZONE CRASHES

AGE OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AVERAGE AGE OF DRIVER	45.0	-	39.4	-	40.4	-	40.2	-
14 YEARS AND UNDER	0	0.0	2	0.1	1	0.0	3	0.1
15 - 20 YEARS	1	3.0	198	13.2	507	11.1	706	11.6
21 - 25 YEARS	3	9.1	206	13.7	553	12.1	762	12.5
26 - 30 YEARS	4	12.1	126	8.4	458	10.0	588	9.6
31 - 35 YEARS	3	9.1	157	10.4	427	9.3	587	9.6
36 - 40 YEARS	2	6.1	140	9.3	458	10.0	600	9.8
41 - 45 YEARS	5	15.2	146	9.7	485	10.6	636	10.4
46 - 50 YEARS	2	6.1	150	10.0	466	10.2	618	10.1
51 - 55 YEARS	4	12.1	124	8.2	371	8.1	499	8.2
56 - 60 YEARS	2	6.1	81	5.4	293	6.4	376	6.2
61 - 65 YEARS	3	9.1	61	4.1	179	3.9	243	4.0
66 YEARS AND OVER	4	12.1	113	7.5	374	8.2	491	8.0
UNKNOWN	0	-	48	-	372	-	420	-
TOTAL	33	100.0	1,552	100.0	4,944	100.0	6,529	100.0

TABLE 3.12.14

DRIVERS OF VEHICLES IN 2006 MISSOURI CONSTRUCTION / OTHER WORK ZONE CRASHES

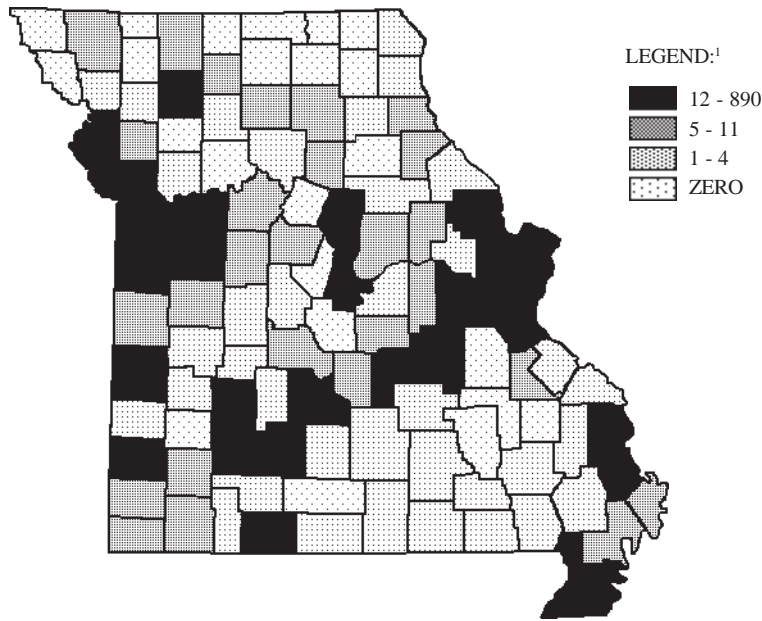
DRIVER'S LICENSE STATE AND TYPE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MISSOURI								
LEARNER'S PERMIT	0	0.0	3	0.2	15	0.3	18	0.3
OPERATOR'S LICENSE	13	40.6	1,047	70.7	2,932	66.4	3,992	67.3
MOTORCYCLE ONLY	0	0.0	0	0.0	0	0.0	0	0.0
COMMERCIAL DRIVER'S LICENSE	7	21.9	121	8.2	429	9.7	557	9.4
SUBTOTAL	20	62.5	1,171	79.1	3,376	76.4	4,567	77.0
OUT STATE								
LEARNER'S PERMIT	0	0.0	0	0.0	2	0.1	2	0.0
OPERATOR'S LICENSE	4	12.5	188	12.7	598	13.5	790	13.3
MOTORCYCLE ONLY	0	0.0	0	0.0	0	0.0	0	0.0
COMMERCIAL DRIVER'S LICENSE	7	21.9	83	5.6	380	8.6	470	7.9
SUBTOTAL	11	34.4	271	18.3	980	22.2	1,262	21.3
UNLICENSED	1	3.1	38	2.6	61	1.4	100	1.7
UNKNOWN	1	-	72	-	527	-	600	-
TOTAL	33	100.0	1,552	100.0	4,944	100.0	6,529	100.0

TABLE 3.12.15

2006 CONSTRUCTION / OTHER WORK ZONE INVOLVED CRASHES

COUNTY QUARTILE ANALYSIS



¹LEGEND CATEGORIES ARE BASED ON QUARTILES OF COUNTIES.

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
1.0	ST. LOUIS	890	26.0	21.0	JASPER	18	0.5
2.0	JACKSON	558	16.3	22.5	POLK	17	0.5
3.0	ST. CHARLES	274	8.0	22.5	WEBSTER	17	0.5
4.0	ST. LOUIS CITY	178	5.2	24.0	LINCOLN	16	0.5
5.0	FRANKLIN	152	4.4	25.0	PEMISCOT	14	0.4
6.0	GREENE	146	4.3	26.0	DAVISS	13	0.4
7.0	CLAY	135	3.9	28.0	DUNKLIN	12	0.4
8.0	PHELPS	108	3.2	28.0	JOHNSON	12	0.4
9.0	JEFFERSON	88	2.6	28.0	VERNON	12	0.4
10.0	PLATTE	81	2.4				
11.0	CAPE GIRARDEAU	67	2.0				First Quartile
12.0	TANEY	65	1.9				Second Quartile
13.0	CRAWFORD	52	1.5	30.5	PETTIS	11	0.3
14.0	BOONE	50	1.5	30.5	RANDOLPH	11	0.3
15.0	LAFAYETTE	38	1.1	34.0	COOPER	10	0.3
16.0	SCOTT	35	1.0	34.0	NEW MADRID	10	0.3
17.0	LACLEDE	33	1.0	34.0	NEWTON	10	0.3
18.0	BUCHANAN	27	0.8	34.0	PULASKI	10	0.3
19.0	COLE	21	0.6	34.0	ST. FRANCOIS	10	0.3
20.0	CASS	19	0.6	38.0	BARRY	9	0.3

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
38.0	CAMDEN	9	0.3	73.5	STONE	2	0.1
38.0	CLINTON	9	0.3	73.5	WARREN	2	0.1
40.5	BATES	8	0.2	85.5	AUDRAIN	1	0.0
40.5	HARRISON	8	0.2	85.5	BARTON	1	0.0
43.5	LAWRENCE	7	0.2	85.5	CEDAR	1	0.0
43.5	MARIES	7	0.2	85.5	CHARITON	1	0.0
43.5	MONTGOMERY	7	0.2	85.5	CLARK	1	0.0
43.5	SALINE	7	0.2	85.5	DALLAS	1	0.0
47.5	GRUNDY	6	0.2	85.5	DE KALB	1	0.0
47.5	LINN	6	0.2	85.5	HICKORY	1	0.0
47.5	MARION	6	0.2	85.5	OREGON	1	0.0
47.5	RALLS	6	0.2	85.5	OZARK	1	0.0
53.0	CALLAWAY	5	0.1	85.5	PIKE	1	0.0
53.0	GASCONADE	5	0.1	85.5	SHELBY	1	0.0
53.0	HENRY	5	0.1	85.5	STODDARD	1	0.0
53.0	MC DONALD	5	0.1	85.5	WAYNE	1	0.0
53.0	MACON	5	0.1				
53.0	MISSISSIPPI	5	0.1				
53.0	NODAWAY	5	0.1				
-----				-----			
Second Quartile				Third Quartile			
-----				-----			
Third Quartile				Fourth Quartile			
59.5	CARTER	4	0.1	104.0	ADAIR	0	0.0
59.5	CHRISTIAN	4	0.1	104.0	ATCHISON	0	0.0
59.5	DENT	4	0.1	104.0	CALDWELL	0	0.0
59.5	LEWIS	4	0.1	104.0	CARROLL	0	0.0
59.5	MORGAN	4	0.1	104.0	DADE	0	0.0
59.5	TEXAS	4	0.1	104.0	DOUGLAS	0	0.0
65.5	ANDREW	3	0.1	104.0	GENTRY	0	0.0
65.5	BENTON	3	0.1	104.0	HOLT	0	0.0
65.5	BUTLER	3	0.1	104.0	HOWARD	0	0.0
65.5	LIVINGSTON	3	0.1	104.0	IRON	0	0.0
65.5	RIPLEY	3	0.1	104.0	KNOX	0	0.0
65.5	WRIGHT	3	0.1	104.0	MADISON	0	0.0
73.5	BOLLINGER	2	0.1	104.0	MERCER	0	0.0
73.5	HOWELL	2	0.1	104.0	MILLER	0	0.0
73.5	OSAGE	2	0.1	104.0	MONITEAU	0	0.0
73.5	PERRY	2	0.1	104.0	MONROE	0	0.0
73.5	RAY	2	0.1	104.0	PUTNAM	0	0.0
73.5	ST. CLAIR	2	0.1	104.0	REYNOLDS	0	0.0
73.5	STE. GENEVIEVE	2	0.1	104.0	SCHUYLER	0	0.0
73.5	SHANNON	2	0.1	104.0	SCOTLAND	0	0.0
				104.0	SULLIVAN	0	0.0
				104.0	WASHINGTON	0	0.0
				104.0	WORTH	0	0.0

TABLE 3.12.16

2006 CONSTRUCTION / OTHER WORK ZONE INVOLVED CRASHES

CITY LISTING

RANK	CITY	FREQUENCY	PERCENT¹
1.0	KANSAS CITY	490	20.4
2.0	ST. LOUIS	178	7.4
3.0	SPRINGFIELD	117	4.9
4.0	INDEPENDENCE	79	3.3
5.0	ST. CHARLES	77	3.2
6.0	ROLLA	70	2.9
7.0	PACIFIC	65	2.7
8.0	OVERLAND	55	2.3
9.5	OLIVETTE	54	2.3
9.5	WENTZVILLE	54	2.3
11.0	RIVERSIDE	49	2.0
12.0	LEE'S SUMMIT	47	2.0
13.0	CAPE GIRARDEAU	43	1.8
14.0	COLUMBIA	39	1.6
16.0	MARYLAND HEIGHTS	36	1.5
16.0	O'FALLON	36	1.5
16.0	UNIVERSITY CITY	36	1.5
18.0	ST. PETERS	35	1.5
19.0	EUREKA	31	1.3
20.0	TOWN AND COUNTRY	30	1.3
21.5	BERKELEY	29	1.2
21.5	HOLLISTER	29	1.2
23.0	BRIDGETON	28	1.2
24.5	BALLWIN	26	1.1
24.5	HAZELWOOD	26	1.1
26.0	SHREWSBURY	24	1.0

¹Percentage is based on construction / other work zone involved crashes which occurred in Missouri municipalities with populations of 1,000 or more. Only those municipalities comprising 1.0% or more of these crashes are listed.

TABLE 3.12.17

3.13 SEAT BELT USAGE

This section presents a series of data displays identifying the seat belt usage rates of drivers and injured passengers in automobiles, trucks, vans, and motor homes in Missouri traffic crashes. Most of the data displays focus on only the driver. Data on the seat belt usage rates of both injured and uninjured drivers were available for analysis. In the case of passengers, data were only available for those injured in the traffic crash. Injured passenger seat belt usage rates are not indicative of seat belt usage rates of all passengers in traffic crashes.

There are other limitations to the data presented in this section. In a large number of cases, driver and injured passenger seat belt usage information was not reported by the investigating officer. In the following data displays, the number of cases where seat belt usage information was not known is presented but excluded when calculating seat belt usage rates (Row %).

In addition, in cases where the investigating officer does report driver and injured passenger seat belt use, the officer is relying on the word of the person in most instances.

As a result of these limiting factors, it is expected that the actual seat belt usage rates in Missouri's 2006 traffic crashes are somewhat less than the findings in this section would indicate. These limiting factors should be taken into consideration when viewing these statistics.

2006 SUMMARY ANALYSIS

- Of the drivers of automobiles, trucks, vans, and motor homes killed in 2006 Missouri traffic crashes, 29.2% were wearing seat belts. Of the passengers killed in these types of vehicles, 30.3% wore their seat belt. For drivers involved in traffic crashes not killed or injured, 96.6% were wearing their seat belt at the time of the crash.
- A driver in a 2006 Missouri traffic crash had a 1 in 4 chance of being injured if they were not wearing their seat belt. However, if they were wearing a seat belt their chances of being injured in the crash were 1 in 8. When examining driver deaths, the differences are much more dramatic. A driver in a 2006 Missouri traffic crash had a 1 in 31 chance of being killed if they were not wearing a seat belt. In those cases where a driver wore a seat belt, their chance of being killed was 1 in 1,300.
- Of those drivers totally ejected from their vehicle, 3.0% were wearing their seat belts. Of those partially ejected, 51.0% were wearing seat belts. Of those not ejected, 94.9% were wearing seat belts.
- Of Missouri licensed drivers in 2006 traffic crashes, 94.7% were wearing seat belts compared to 97.0% of drivers licensed in other states. Only 77.4% of unlicensed drivers were wearing seat belts at the time of the crash.

2006 MISSOURI TRAFFIC CRASHES

DRIVERS AND PASSENGERS OF AUTOMOBILES, TRUCKS, VANS, AND MOTOR HOMES

PERSONAL INJURY SEVERITY BY SEAT BELT USAGE

	WEARING		NOT WEARING		UNKNOWN		TOTAL	
KILLED								
DRIVER	171		415		57		643	
ROW %	29.2		70.8		-		100.0	
PASSENGER	70		161		25		256	
ROW %	30.3		69.7		-		100.0	
MAJOR DISABLING INJURY								
DRIVER	2,786		1,496		451		4,733	
ROW %	65.1		34.9		-		100.0	
PASSENGER	1,086		900		172		2,158	
ROW %	54.7		45.3		-		100.0	
EVIDENT INJURY								
DRIVER	11,245		2,756		1,635		15,636	
ROW %	80.3		19.7		-		100.0	
PASSENGER	4,517		1,650		645		6,812	
ROW %	73.2		26.8		-		100.0	
PROBABLE INJURY								
DRIVER	15,888		1,183		1,716		18,787	
ROW %	93.1		6.9		-		100.0	
PASSENGER	7,144		984		882		9,010	
ROW %	87.9		12.1		-		100.0	
NOT INJURED								
DRIVER	192,282		6,729		22,049		221,060	
ROW %	96.6		3.4		-		100.0	
PASSENGER ¹	10,278	-	1,164	-	205	-	11,647	-
INJURY UNKNOWN								
DRIVER	1,897		113		16,755		18,765	
ROW %	94.4		5.6		-		100.0	
PASSENGER ¹	10	-	7	-	60	-	77	-

¹Data on all passengers of vehicles not injured or whose injury level is unknown in Missouri crashes are not available in the Statewide Traffic Accident Records System (STARS). As a result, these statistics have been excluded.

TABLE 3.13.1

2006 MISSOURI TRAFFIC CRASHES

DRIVERS OF AUTOMOBILES, TRUCKS, VANS, AND MOTOR HOMES

AREA CLASSIFICATION BY SEAT BELT USAGE

	WEARING		NOT WEARING		UNKNOWN	TOTAL	
URBAN <i>ROW %</i>	155,773	96.5	5,587	3.5	34,157	-	195,517 <i>100.0</i>
RURAL <i>ROW %</i>	68,496	90.6	7,105	9.4	8,506	-	84,107 <i>100.0</i>
TOTAL <i>ROW %</i>	224,269	94.6	12,692	5.4	42,663	-	279,624 <i>100.0</i>

TABLE 3.13.2

2006 MISSOURI TRAFFIC CRASHES

DRIVERS OF AUTOMOBILES, TRUCKS, VANS, AND MOTOR HOMES

WEATHER CONDITIONS BY SEAT BELT USAGE

	WEARING		NOT WEARING		UNKNOWN	TOTAL	
CLEAR <i>ROW %</i>	145,021	94.6	8,196	5.4	29,706	-	182,923 <i>100.0</i>
CLOUDY <i>ROW %</i>	55,732	94.0	3,546	6.0	8,333	-	67,611 <i>100.0</i>
RAIN <i>ROW %</i>	14,291	96.0	588	4.0	2,878	-	17,757 <i>100.0</i>
SNOW <i>ROW %</i>	1,776	95.7	79	4.3	348	-	2,203 <i>100.0</i>
SLEET <i>ROW %</i>	665	96.0	28	4.0	96	-	789 <i>100.0</i>
FREEZING <i>ROW %</i>	522	94.7	29	5.3	151	-	702 <i>100.0</i>
FOG OR MIST <i>ROW %</i>	972	92.3	81	7.7	167	-	1,220 <i>100.0</i>
INDETERMINATE <i>ROW %</i>	1,845	96.1	74	3.9	786	-	2,705 <i>100.0</i>
UNKNOWN <i>ROW %</i>	3,445	98.0	71	2.0	198	-	3,714 <i>100.0</i>
TOTAL <i>ROW %</i>	224,269	94.6	12,692	5.4	42,663	-	279,624 <i>100.0</i>

TABLE 3.13.3

2006 MISSOURI TRAFFIC CRASHES

DRIVERS OF AUTOMOBILES, TRUCKS, VANS, AND MOTOR HOMES

HIGHWAY CLASSIFICATION BY SEAT BELT USAGE

	WEARING		NOT WEARING		UNKNOWN		TOTAL
INTERSTATE <i>ROW %</i>	30,025 97.2		876 2.8		4,978 -		35,879 100.0
U.S. HIGHWAY <i>ROW %</i>	23,473 94.0		1,494 6.0		2,758 -		27,725 100.0
STATE NUMBERED <i>ROW %</i>	39,277 94.3		2,379 5.7		3,387 -		45,043 100.0
SINGLE STATE LETTERED <i>ROW %</i>	10,433 89.1		1,283 10.9		870 -		12,586 100.0
DOUBLE STATE LETTERED <i>ROW %</i>	4,905 90.7		503 9.3		415 -		5,823 100.0
OUTER ROAD <i>ROW %</i>	2,015 95.5		94 4.5		171 -		2,280 100.0
COUNTY ROAD <i>ROW %</i>	15,752 89.9		1,765 10.1		2,247 -		19,764 100.0
CITY STREET <i>ROW %</i>	89,034 95.9		3,811 4.1		26,258 -		119,103 100.0
INTERSTATE LOOP <i>ROW %</i>	1,403 95.7		63 4.3		125 -		1,591 100.0
OTHER ¹ <i>ROW %</i>	7,952 94.9		424 5.1		1,454 -		9,830 100.0
TOTAL <i>ROW %</i>	224,269 94.6		12,692 5.4		42,663 -		279,624 100.0

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

TABLE 3.13.4

2006 MISSOURI TRAFFIC CRASHES

DRIVERS OF AUTOMOBILES, TRUCKS, VANS, AND MOTOR HOMES

MONTH OF YEAR BY SEAT BELT USAGE

	WEARING		NOT WEARING		UNKNOWN		TOTAL	
JANUARY	16,468		995		3,191		20,654	
<i>ROW %</i>	<i>94.3</i>		<i>5.7</i>		<i>-</i>		<i>100.0</i>	
FEBRUARY	16,224		974		3,335		20,533	
<i>ROW %</i>	<i>94.3</i>		<i>5.7</i>		<i>-</i>		<i>100.0</i>	
MARCH	17,936		1,088		3,419		22,443	
<i>ROW %</i>	<i>94.3</i>		<i>5.7</i>		<i>-</i>		<i>100.0</i>	
APRIL	18,921		1,119		3,848		23,888	
<i>ROW %</i>	<i>94.4</i>		<i>5.6</i>		<i>-</i>		<i>100.0</i>	
MAY	20,139		1,126		3,873		25,138	
<i>ROW %</i>	<i>94.7</i>		<i>5.3</i>		<i>-</i>		<i>100.0</i>	
JUNE	19,122		1,022		3,545		23,689	
<i>ROW %</i>	<i>94.9</i>		<i>5.1</i>		<i>-</i>		<i>100.0</i>	
JULY	17,714		1,093		3,521		22,328	
<i>ROW %</i>	<i>94.2</i>		<i>5.8</i>		<i>-</i>		<i>100.0</i>	
AUGUST	18,385		1,014		3,475		22,874	
<i>ROW %</i>	<i>94.8</i>		<i>5.2</i>		<i>-</i>		<i>100.0</i>	
SEPTEMBER	19,112		1,114		3,424		23,650	
<i>ROW %</i>	<i>94.5</i>		<i>5.5</i>		<i>-</i>		<i>100.0</i>	
OCTOBER	21,717		1,149		3,959		26,825	
<i>ROW %</i>	<i>95.0</i>		<i>5.0</i>		<i>-</i>		<i>100.0</i>	
NOVEMBER	19,557		984		3,672		24,213	
<i>ROW %</i>	<i>95.2</i>		<i>4.8</i>		<i>-</i>		<i>100.0</i>	
DECEMBER	18,974		1,014		3,401		23,389	
<i>ROW %</i>	<i>94.9</i>		<i>5.1</i>		<i>-</i>		<i>100.0</i>	
TOTAL	224,269		12,692		42,663		279,624	
<i>ROW %</i>	<i>94.6</i>		<i>5.4</i>		<i>-</i>		<i>100.0</i>	

TABLE 3.13.5

2006 MISSOURI TRAFFIC CRASHES
DRIVERS OF AUTOMOBILES, TRUCKS, VANS, AND MOTOR HOMES
DAY OF WEEK BY SEAT BELT USAGE

	WEARING		NOT WEARING		UNKNOWN		TOTAL	
SUNDAY	18,873		1,553		4,646		25,072	
<i>ROW %</i>		<i>92.4</i>		<i>7.6</i>		<i>-</i>		<i>100.0</i>
MONDAY	32,237		1,649		5,840		39,726	
<i>ROW %</i>		<i>95.1</i>		<i>4.9</i>		<i>-</i>		<i>100.0</i>
TUESDAY	33,475		1,789		5,852		41,116	
<i>ROW %</i>		<i>94.9</i>		<i>5.1</i>		<i>-</i>		<i>100.0</i>
WEDNESDAY	35,660		1,693		6,161		43,514	
<i>ROW %</i>		<i>95.5</i>		<i>4.5</i>		<i>-</i>		<i>100.0</i>
THURSDAY	35,273		1,848		6,255		43,376	
<i>ROW %</i>		<i>95.0</i>		<i>5.0</i>		<i>-</i>		<i>100.0</i>
FRIDAY	41,115		2,139		7,684		50,938	
<i>ROW %</i>		<i>95.0</i>		<i>5.0</i>		<i>-</i>		<i>100.0</i>
SATURDAY	27,610		2,021		6,119		35,750	
<i>ROW %</i>		<i>93.2</i>		<i>6.8</i>		<i>-</i>		<i>100.0</i>
UNKNOWN	26		0		106		132	
<i>ROW %</i>		<i>100.0</i>		<i>0.0</i>		<i>-</i>		<i>100.0</i>
TOTAL	224,269		12,692		42,663		279,624	
<i>ROW %</i>		<i>94.6</i>		<i>5.4</i>		<i>-</i>		<i>100.0</i>

TABLE 3.13.6

2006 MISSOURI TRAFFIC CRASHES

DRIVERS OF AUTOMOBILES, TRUCKS, VANS, AND MOTOR HOMES

HOUR OF DAY BY SEAT BELT USAGE

	WEARING		NOT WEARING		UNKNOWN	TOTAL	
12:01A - 02:59A <i>ROW %</i>	6,111	84.3	1,139	15.7	2,951	-	10,201 <i>100.0</i>
03:00A - 05:59A <i>ROW %</i>	3,875	87.5	552	12.5	1,439	-	5,866 <i>100.0</i>
06:00A - 08:59A <i>ROW %</i>	29,255	95.6	1,332	4.4	4,606	-	35,193 <i>100.0</i>
09:00A - 11:59A <i>ROW %</i>	31,844	95.3	1,569	4.7	5,056	-	38,469 <i>100.0</i>
NOON - 02:59P <i>ROW %</i>	46,508	95.6	2,129	4.4	7,515	-	56,152 <i>100.0</i>
03:00P - 05:59P <i>ROW %</i>	64,638	95.9	2,776	4.1	10,606	-	78,020 <i>100.0</i>
06:00P - 08:59P <i>ROW %</i>	27,760	94.0	1,765	6.0	5,748	-	35,273 <i>100.0</i>
09:00P - MIDNGT <i>ROW %</i>	13,872	91.0	1,380	9.0	4,083	-	19,335 <i>100.0</i>
UNKNOWN <i>ROW %</i>	406	89.0	50	11.0	659	-	1,115 <i>100.0</i>
TOTAL <i>ROW %</i>	224,269	94.6	12,692	5.4	42,663	-	279,624 <i>100.0</i>

TABLE 3.13.7

2006 MISSOURI TRAFFIC CRASHES

DRIVERS OF AUTOMOBILES, TRUCKS, VANS, AND MOTOR HOMES

SEX OF DRIVER BY SEAT BELT USAGE

	WEARING		NOT WEARING		UNKNOWN		TOTAL	
MALE	120,201		8,529		17,827		146,557	
<i>ROW %</i>		<i>93.4</i>		<i>6.6</i>		-		<i>100.0</i>
FEMALE	100,895		4,090		11,487		116,472	
<i>ROW %</i>		<i>96.1</i>		<i>3.9</i>		-		<i>100.0</i>
UNKNOWN	3,173		73		13,349		16,595	
<i>ROW %</i>		<i>97.7</i>		<i>2.3</i>		-		<i>100.0</i>
TOTAL	224,269		12,692		42,663		279,624	
<i>ROW %</i>		<i>94.6</i>		<i>5.4</i>		-		<i>100.0</i>

TABLE 3.13.8

2006 MISSOURI TRAFFIC CRASHES

DRIVERS OF AUTOMOBILES, TRUCKS, VANS, AND MOTOR HOMES

DRIVER EJECTION BY SEAT BELT USAGE

	WEARING		NOT WEARING		UNKNOWN		TOTAL	
TOTAL EJECTION	21		675		39		735	
<i>ROW %</i>		<i>3.0</i>		<i>97.0</i>		-		<i>100.0</i>
PARTIAL EJECTION	146		140		35		321	
<i>ROW %</i>		<i>51.0</i>		<i>49.0</i>		-		<i>100.0</i>
NO EJECTION	219,102		11,729		28,165		258,996	
<i>ROW %</i>		<i>94.9</i>		<i>5.1</i>		-		<i>100.0</i>
UNKNOWN	5,000		148		14,424		19,572	
<i>ROW %</i>		<i>97.1</i>		<i>2.9</i>		-		<i>100.0</i>
TOTAL	224,269		12,692		42,663		279,624	
<i>ROW %</i>		<i>94.6</i>		<i>5.4</i>		-		<i>100.0</i>

TABLE 3.13.9

2006 MISSOURI TRAFFIC CRASHES

DRIVERS OF AUTOMOBILES, TRUCKS, VANS, AND MOTOR HOMES

AGE OF DRIVER BY SEAT BELT USAGE

	WEARING		NOT WEARING		UNKNOWN		TOTAL	
AVERAGE AGE OF DRIVER	38.4	-	33.2	-	37.0	-	38.0	-
14 YEARS AND UNDER	46		42		46		134	
<i>ROW %</i>		52.3		47.7		-		100.0
15 - 20 YEARS	38,690		3,255		4,075		46,020	
<i>ROW %</i>		92.2		7.8		-		100.0
21 - 25 YEARS	29,348		2,401		3,887		35,636	
<i>ROW %</i>		92.4		7.6		-		100.0
26 - 30 YEARS	22,902		1,434		3,072		27,408	
<i>ROW %</i>		94.1		5.9		-		100.0
31 - 35 YEARS	19,868		1,008		2,567		23,443	
<i>ROW %</i>		95.2		4.8		-		100.0
36 - 40 YEARS	19,132		902		2,264		22,298	
<i>ROW %</i>		95.5		4.5		-		100.0
41 - 45 YEARS	20,358		898		2,396		23,652	
<i>ROW %</i>		95.8		4.2		-		100.0
46 - 50 YEARS	18,986		770		2,148		21,904	
<i>ROW %</i>		96.1		3.9		-		100.0
51 - 55 YEARS	15,302		540		1,607		17,449	
<i>ROW %</i>		96.6		3.4		-		100.0
56 - 60 YEARS	12,377		404		1,214		13,995	
<i>ROW %</i>		96.8		3.2		-		100.0
61 - 65 YEARS	8,441		262		743		9,446	
<i>ROW %</i>		97.0		3.0		-		100.0
66 YEARS AND OVER	17,943		728		1,637		20,308	
<i>ROW %</i>		96.1		3.9		-		100.0
UNKNOWN	876		48		17,007		17,931	
<i>ROW %</i>		94.8		5.2		-		100.0
TOTAL	224,269		12,692		42,663		279,624	
<i>ROW %</i>		94.6		5.4		-		100.0

TABLE 3.13.10

2006 MISSOURI TRAFFIC CRASHES

DRIVERS OF AUTOMOBILES, TRUCKS, VANS, AND MOTOR HOMES

DRIVER'S LICENSE STATE AND TYPE BY SEAT BELT USAGE

	WEARING		NOT WEARING		UNKNOWN		TOTAL	
MISSOURI								
LEARNER'S PERMIT	896		73		163		1,132	
ROW %		92.5		7.5		-		100.0
OPERATOR'S LICENSE	176,741		9,620		18,566		204,927	
ROW %		94.8		5.2		-		100.0
MOTORCYCLE ONLY	7		0		3		10	
ROW %		100.0		0.0		-		100.0
COMMERCIAL DRIVER'S LICENSE	11,944		820		1,258		14,022	
ROW %		93.6		6.4		-		100.0
SUBTOTAL	189,588		10,513		19,990		220,091	
ROW %		94.7		5.3		-		100.0
OUT STATE								
LEARNER'S PERMIT	37		4		4		45	
ROW %		90.2		9.8		-		100.0
OPERATOR'S LICENSE	18,878		568		2,464		21,910	
ROW %		97.1		2.9		-		100.0
MOTORCYCLE ONLY	1		0		1		2	
ROW %		100.0		0.0		-		100.0
COMMERCIAL DRIVER'S LICENSE	4,167		131		457		4,755	
ROW %		97.0		3.0		-		100.0
SUBTOTAL	23,083		703		2,926		26,712	
ROW %		97.0		3.0		-		100.0
UNLICENSED	4,078		1,189		1,584		6,851	
ROW %		77.4		22.6		-		100.0
UNKNOWN	7,520		287		18,163		25,970	
ROW %		96.3		3.7		-		100.0
TOTAL	224,269		12,692		42,663		279,624	
ROW %		94.6		5.4		-		100.0

TABLE 3.13.11

2006 MISSOURI TRAFFIC CRASHES

DRIVERS OF AUTOMOBILES, TRUCKS, VANS, AND MOTOR HOMES

TYPE OF VEHICLE DRIVEN BY SEAT BELT USAGE

	WEARING		NOT WEARING		UNKNOWN		TOTAL	
AUTOMOBILE <i>ROW %</i>	127,240	95.3	6,334	4.7	24,670	-	158,244	100.0
SPORT UTILITY VEHICLE <i>ROW %</i>	33,269	95.8	1,472	4.2	5,598	-	40,339	100.0
LIMOUSINE <i>ROW %</i>	46	100.0	0	0.0	9	-	55	100.0
VAN <i>ROW %</i>	16,526	96.4	623	3.6	2,834	-	19,983	100.0
MOTOR HOME / CAMPER <i>ROW %</i>	136	95.8	6	4.2	21	-	163	100.0
TRUCK <i>ROW %</i>	47,052	91.7	4,257	8.3	9,531	-	60,840	100.0
TOTAL <i>ROW %</i>	224,269	94.6	12,692	5.4	42,663	-	279,624	100.0

TABLE 3.13.12

2006 MISSOURI TRAFFIC CRASHES

DRIVERS OF AUTOMOBILES, TRUCKS, VANS, AND MOTOR HOMES

DRIVER INTOXICATION BY SEAT BELT USAGE

	WEARING		NOT WEARING		UNKNOWN		TOTAL	
DRINKING <i>ROW %</i>	3,277	63.2	1,911	36.8	2,060	-	7,248	100.0
DRUGS <i>ROW %</i>	285	65.1	153	34.9	152	-	590	100.0
DRINKING AND DRUGS <i>ROW %</i>	127	47.4	141	52.6	145	-	413	100.0
NO DRINKING / DRUGS <i>ROW %</i>	218,521	95.5	10,404	4.5	38,633	-	267,558	100.0
UNKNOWN <i>ROW %</i>	2,059	96.1	83	3.9	1,673	-	3,815	100.0
TOTAL <i>ROW %</i>	224,269	94.6	12,692	5.4	42,663	-	279,624	100.0

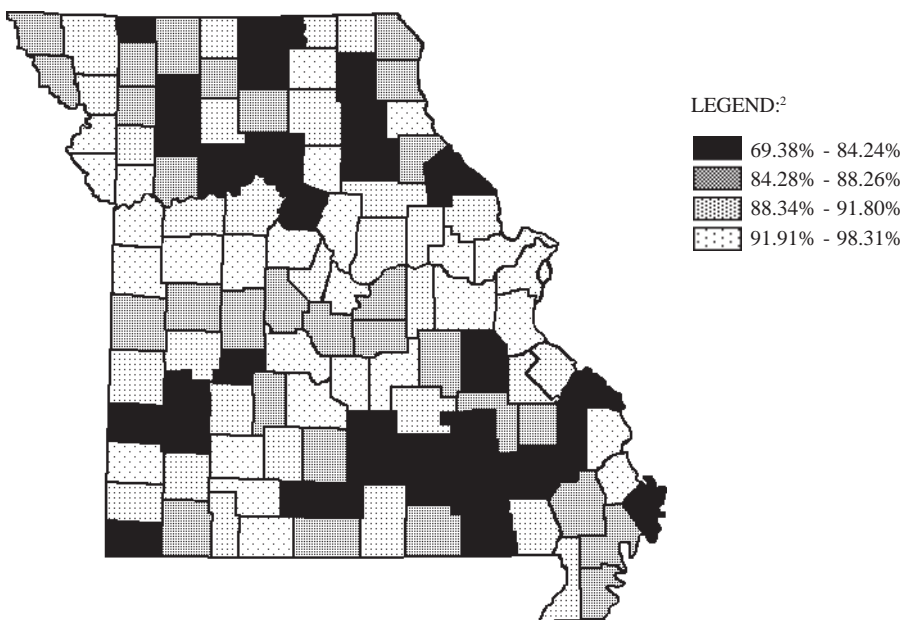
TABLE 3.13.13

2006 MISSOURI TRAFFIC CRASHES

DRIVERS OF AUTOMOBILES, TRUCKS, VANS, AND MOTOR HOMES

SEAT BELT USAGE RATES¹

COUNTY QUARTILE ANALYSIS



¹LEGEND CATEGORIES ARE BASED ON QUARTILES OF COUNTIES.

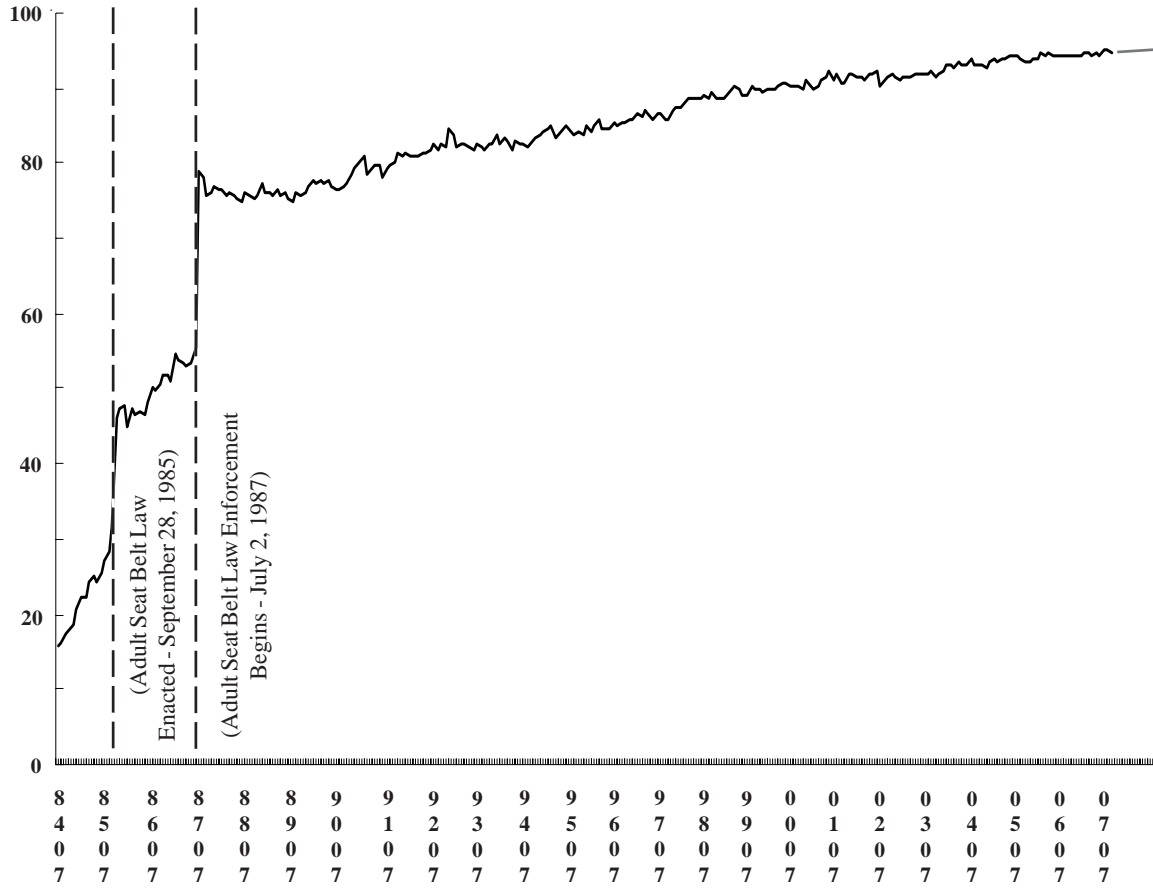
RANK	COUNTY	DRIVER USAGE RATE	RANK	COUNTY	DRIVER USAGE RATE
1.0	REYNOLDS	69.38	22.0	KNOX	83.58
2.0	SHANNON	74.10	23.0	HOWARD	83.62
3.0	WORTH	74.29	24.0	PUTNAM	84.00
4.0	CHARITON	75.16	25.0	DAVIESS	84.09
5.0	DOUGLAS	75.69	26.0	PERRY	84.10
6.0	SULLIVAN	78.10	27.0	CEDAR	84.19
7.0	SHELBY	78.70	28.0	WASHINGTON	84.24
8.0	MONROE	79.35			First Quartile
9.0	MISSISSIPPI	79.44			
10.0	CALDWELL	80.63			Second Quartile
11.0	TEXAS	81.43	29.0	OREGON	84.28
12.0	CARROLL	81.48	30.0	LEWIS	84.36
13.0	RIPLEY	81.55	31.0	RAY	84.50
14.0	BARTON	81.57	32.0	OSAGE	85.15
15.5	BOLLINGER	81.60	33.0	GRUNDY	85.44
15.5	HICKORY	81.60	34.0	PEMISCOT	85.76
17.0	WAYNE	81.65	35.0	HARRISON	85.77
18.0	CARTER	83.13	36.5	ATCHISON	85.83
19.0	MC DONALD	83.42	36.5	CLARK	85.83
20.0	DADE	83.51	38.0	GENTRY	85.84
21.0	PIKE	83.53	39.0	MORGAN	85.85

RANK	COUNTY	DRIVER USAGE RATE	RANK	COUNTY	DRIVER USAGE RATE
40.0	OZARK	85.95	78.0	STE. GENEVIEVE	90.54
41.0	LINN	86.19	79.0	STONE	90.75
42.0	BATES	86.21	80.0	LAFAYETTE	90.79
43.0	IRON	86.41	81.0	LINCOLN	90.86
44.0	MADISON	86.77	82.0	NEWTON	91.03
45.0	NEW MADRID	86.80	83.0	SCHUYLER	91.04
46.0	CRAWFORD	86.83	84.0	SALINE	91.25
47.0	WRIGHT	87.10	85.0	BUTLER	91.41
48.0	BENTON	87.20	86.0	CALLAWAY	91.80
49.0	HENRY	87.61			Third Quartile
50.0	DALLAS	87.67			
51.0	MILLER	87.68			Fourth Quartile
52.0	HOLT	87.82	87.5	COLE	91.91
53.0	BARRY	87.88	87.5	LACLEDE	91.91
54.0	RALLS	87.90	89.0	ADAIR	91.93
55.0	STODDARD	88.02	90.0	SCOTT	92.15
56.0	DE KALB	88.13	91.0	RANDOLPH	92.29
57.0	MARIES	88.26	92.0	PETTIS	92.45
		Second Quartile	93.0	JOHNSON	92.47
			94.0	BUCHANAN	92.48
		Third Quartile	95.0	MARION	92.81
58.0	ST. CLAIR	88.34	96.0	WARREN	93.17
59.0	LAWRENCE	88.59	97.0	PULASKI	93.27
60.0	POLK	88.63	98.0	FRANKLIN	93.52
61.0	CLINTON	88.65	99.0	CHRISTIAN	93.71
62.0	HOWELL	88.83	100.0	COOPER	93.75
63.0	ANDREW	89.15	101.0	JEFFERSON	93.99
64.0	MACON	89.19	102.0	CAMDEN	94.13
65.0	DENT	89.20	103.0	PHELPS	94.15
66.0	SCOTLAND	89.25	104.0	TANEY	94.33
67.0	LIVINGSTON	89.26	105.0	JASPER	94.45
68.0	WEBSTER	89.36	106.0	CASS	94.79
69.0	NODAWAY	89.43	107.0	GREENE	95.71
70.0	DUNKLIN	89.44	108.0	CLAY	95.82
71.0	MONTGOMERY	89.66	109.0	JACKSON	96.07
72.0	MONITEAU	89.74	110.0	BOONE	96.22
73.0	AUDRAIN	89.99	111.0	CAPE GIRARDEAU	96.28
74.0	GASCONADE	90.23	112.0	ST. CHARLES	96.69
75.0	ST. FRANCOIS	90.28	113.0	PLATTE	97.16
76.0	VERNON	90.30	114.0	ST. LOUIS	97.76
77.0	MERCER	90.48	115.0	ST. LOUIS CITY	98.31

¹ This table contains a ranking of Missouri counties by the driver seat belt usage rates associated with 2006 traffic crashes. Drivers whose seat belt usage was unknown have been excluded. Counties have been ranked based upon the worst driver usage rates. (Shannon County is first due to its having the lowest usage rate of all counties in the State. Only 71.61% of the drivers involved in crashes in Shannon County were wearing seat belts).

TABLE 3.13.14

PERCENT OF DRIVERS WEARING SEAT BELTS¹
MONTHLY TIME SERIES



¹ Because the Missouri adult seat belt law as well as its enforcement provisions were enacted mid-year, time series analysis is based on monthly data.

FIGURE 3.13.1

AUTOMOBILE / TRUCK / VAN / MOTOR HOME OCCUPANTS UNDER THE AGE OF FOUR YEARS

KILLED AND INJURED IN MISSOURI TRAFFIC CRASHES

1981-1983 AVERAGE COMPARED TO 1984-2005 AVERAGE AND 2006¹

	1981 - 1983 AVERAGE	1984 - 2005 AVERAGE²	% OF CHANGE 1981 - 1983 AVERAGE	2006	% OF CHANGE 1981 - 1983 AVERAGE
KILLED	11	11	= 0.0	6	- 45.5
MAJOR DISABLING	71	82	+ 15.5	43	- 39.4
EVIDENT	626	477	- 23.8	252	- 59.7
PROBABLE	464	542	+ 16.8	373	- 19.6
TOTAL	1,172	1,111	- 5.2	674	- 42.5

¹1981 - 1983 data concerning occupants under the age of four years were used as a base for this comparison due to the fact that infant restraint legislation was enacted in the State of Missouri in January of 1984.

²Due to rounding, the "Total" average does not equal the sum of all personal injury level averages in this column.

TABLE 3.13.15

4.0 MISSOURI COUNTY AND CITY TRAFFIC CRASH ANALYSIS

A SERIES OF TABLES SUMMARIZES 2006 TRAFFIC CRASH ACTIVITY ASSOCIATED WITH ALL COUNTIES, AS WELL AS ALL CITIES HAVING POPULATIONS OF 1,000 OR MORE IN THE STATE OF MISSOURI. IN ADDITION, THE TABLES DISPLAY THE PROPORTION OF EACH COMMUNITY'S TRAFFIC CRASH ACTIVITY RELATED TO THE PROBLEM AREAS DISCUSSED IN SECTION 3.0 OF THIS COMPENDIUM WITH THE EXCEPTION OF SEAT BELT USAGE. PLEASE NOTE THAT ALL 2006 TRAFFIC CRASHES OCCURRING IN A GIVEN COMMUNITY ARE DISPLAYED REGARDLESS OF THE LAW ENFORCEMENT AGENCY THAT INVESTIGATED THE TRAFFIC CRASH.

GLOSSARY

BICYCLE INVOLVED TRAFFIC CRASH: Any crash in which one or more bicycles were directly involved in the incident.

COMMERCIAL MOTOR VEHICLE INVOLVED TRAFFIC CRASH: Any crash in which one or more commercial motor vehicles were directly involved in the incident. Commercial motor vehicles include trucks having 6 or more tires on the power unit, buses or school buses having occupant capacities of 16 or more, and vehicles displaying hazardous material placards.

CONSTRUCTION / OTHER WORK ZONE INVOLVED TRAFFIC CRASH: Any crash in which one or more of the traffic controls directly associated with the incident was a construction or other work zone.

DEATH RATE: The number of deaths resulting from traffic crashes per 100 million miles of travel which occurred in the State annually. The formula is:

$$\frac{\text{Annual deaths} \times 100,000,000}{\text{Annual Vehicle Miles of Travel}}$$

DRINKING INVOLVED TRAFFIC CRASH: Any crash in which one or more drivers or pedestrians were drinking and, in the opinion of the investigating officer, their intoxicated condition contributed to the cause of the crash. There are strong indications that investigating officers under-report drinking involvement as a contributing factor in traffic crashes. As a result, this under-reporting should be taken into consideration when reviewing drinking involved data presented in this Compendium.

FATAL TRAFFIC CRASH: A crash in which one or more persons were killed as a result of the crash and their death(s) occurred within 30 days of the incident. From 1979 - 1987, a crash would be classified as a fatal if their death(s) occurred within 90 days of the incident. Prior to 1979, a crash would be classified as a fatal if their death(s) occurred within 12 months of the incident.

FIXED OBJECT TRAFFIC CRASH: Any traffic crash whose first harmful event involved a motor vehicle striking a fixed object. Crashes where a motor vehicle struck a fixed object as a result of a secondary event in a crash are **not** included in this definition of terms.

HAZARDOUS MATERIAL INVOLVED TRAFFIC CRASH: Any crash in which one or more vehicles involved in the incident were carrying hazardous materials.

INJURY RATE: The number of deaths and injuries resulting from traffic crashes per 100 million miles of travel which occurred in the State annually. The formula is:

$$\frac{\text{Annual deaths and injuries} \times 100,000,000}{\text{Annual Vehicle Miles of Travel}}$$

MOTORCYCLE INVOLVED TRAFFIC CRASH: Any crash in which one or more motorcycles were involved in the incident. Mopeds and all terrain vehicles (ATV's) are **not** considered motorcycles under this definition of terms.

OLDER DRIVER INVOLVED TRAFFIC CRASH: Any crash in which one or more drivers of motorized vehicles directly involved in the traffic crash were 55 years of age or older.

PEDESTRIAN INVOLVED TRAFFIC CRASH: Any crash in which one or more pedestrians were directly involved in the crash.

PERSONAL INJURY TRAFFIC CRASH: Any crash in which no person was killed but one or more persons were injured in the incident.

PROPERTY DAMAGE TRAFFIC CRASH: Any crash in which no person was killed or injured but property was damaged in the incident.

QUARTILE: The value that marks the boundary between two consecutive intervals in a frequency distribution of four intervals with each containing one quarter of the total population.

RATE OF CHANGE: The formula is:

$$\frac{\text{Value in Current Period} - \text{Value in Base Period}}{\text{Value in Base Period}} \times 100$$

RURAL AREA: Any community of less than 5,000 population or an unincorporated area of the State.

SCHOOL BUS INVOLVED TRAFFIC CRASH: Any crash in which one or more school buses were directly involved in the incident or where a school bus signal was associated with the traffic crash.

SPEED INVOLVED TRAFFIC CRASH: Any crash in which one or more drivers of motorized vehicles were exceeding the speed limit or driving too fast for conditions and, in the opinion of the investigating law enforcement officer, the driver error contributed to the cause of the crash.

TIME SERIES: Time series analysis was used in the Compendium to forecast future death and injury rates as well as fatal and personal injury traffic crash activity. In most instances, ten years of past data were used to make these projections.

The technique used in these projections was Exponential Smoothing (available through the SAS Econometrics and Time Series software package). Use of this technique took into consideration the limited number of data points in the time series, as well as whether or not the time series was best characterized as constant, linear, or nonlinear. In applying the smoothing technique, greater weight was given to more recent data values than to earlier data values when projecting future levels of activity.

URBAN AREA: Any community in the State having a population of 5,000 or more.

YOUNG DRIVER INVOLVED TRAFFIC CRASH: Any crash in which one or more drivers of motorized vehicles directly involved in the traffic crash were under the age of 21.