

2002
MISSOURI
TRAFFIC SAFETY
COMPENDIUM

Principal Staff Researchers:

Phyllis Emmel, Research Analyst

**MISSOURI STATE HIGHWAY PATROL
STATISTICAL ANALYSIS CENTER
1510 East Elm
Jefferson City, Missouri 65101
(573) 751-9000**

ACKNOWLEDGEMENTS

This publication was developed by the Missouri State Highway Patrol to provide Federal, State, and local traffic safety authorities with a comprehensive analysis of Missouri's traffic safety problems. Agencies, such as the Missouri Division of Highway Safety, rely heavily on this publication in their traffic safety planning processes and to acquire federal grant funding support for traffic safety programs.

Traffic crash data is 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 program.

Special recognition must be given to all Missouri law enforcement agencies and officers who provide traffic crash investigation services on Missouri's roadways and conscientiously report their findings to STARS. Because of their efforts, traffic safety authorities are able to analyze Missouri traffic crash problems in order to develop policies and programs designed to effectively address them.

Over the past few years, the ability to analyze Missouri's traffic safety problems using STARS data has been greatly enhanced, in large part, due to the Missouri Traffic Records Committee. This Committee was developed to act as an advisory body to the Missouri State Highway Patrol for upgrading and maintaining STARS.

A number of other agencies contributed to development of this publication. The Missouri Department of Transportation provided information on annual miles of travel and updated vehicle registration activity levels. The Missouri Department of Revenue provided drivers licensing data.

Finally, the Missouri Division of Highway Safety provided the Missouri Statistical Analysis Center with invaluable technical assistance and federal grant funding support from the U.S. Department of Transportation, National Highway Traffic Safety Administration. Both these agencies have, over the years, supported Missouri Statistical Analysis Center efforts in providing information services and publications to traffic safety authorities.

Ronald G. Beck, Director
Missouri Statistical Analysis Center

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
3.0 MISSOURI DETAIL TRAFFIC SAFETY PROBLEM ANALYSIS	13
3.1 Speed Involvement	15
3.2 Drinking Involvement	31
3.3 Young Driver Involvement	49
3.4 Older Driver Involvement	67
3.5 Commercial Motor Vehicle Involvement	83
3.6 Motorcycle Involvement	99
3.7 School Bus Involvement	115
3.8 Bicycle Involvement	133
3.9 Pedestrian Involvement	149
3.10 Fixed Object Involvement	167
3.11 Hazardous Material Involvement	185
3.12 Construction / Other Work Zone Involvement	201
3.13 Seat Belt Usage	217
4.0 MISSOURI COUNTY AND CITY TRAFFIC CRASH ANALYSIS	233
GLOSSARY	275

TABLES

PAGE

MISSOURI STATEWIDE TRAFFIC SAFETY ANALYSIS

2.0.1	State of Missouri, Traffic Safety Statistics, 1978 - 2002	9
2.0.2	1993 - 2002 Missouri Traffic Crashes, Year by Crash Severity	10

MISSOURI DETAIL TRAFFIC SAFETY PROBLEM ANALYSIS

Speed Involvement

3.1.1	2002 Missouri Traffic Crashes, Speed Involvement	16
3.1.2	2001 and 2002 Speed-Involved Crash Analysis	17
3.1.3	2002 Speed-Involved Crashes, Crash Type by Crash Severity	17
3.1.4	2002 Speed-Involved Crashes, Area Classification by Crash Severity	18
3.1.5	2002 Speed-Involved Crashes, Road Curvature by Crash Severity	18
3.1.6	2002 Speed-Involved Crashes, Road Incline by Crash Severity	18
3.1.7	2002 Speed-Involved Crashes, Road Conditions by Crash Severity	19
3.1.8	2002 Speed-Involved Crashes, Highway Classification by Crash Severity	19
3.1.9	2002 Speed-Involved Crashes, Highway Classification by Area Classification and Crash Severity	20
3.1.10	Drivers of Motorized Vehicles Speeding in 2002 Missouri Crashes, Type of Speeding Violation	23
3.1.11	Drivers of Motorized Vehicles Speeding in 2002 Missouri Crashes, Sex of Driver by Crash Severity	23
3.1.12	Drivers of Motorized Vehicles Speeding in 2002 Missouri Crashes, Age of Driver by Crash Severity	24
3.1.13	Drivers of Motorized Vehicles Speeding in 2002 Missouri Crashes, Driver's License State and Type by Crash Severity	25
3.1.14	Drivers of Motorized Vehicles Speeding in 2002 Missouri Crashes, Type of Vehicle Driven by Crash Severity	26
3.1.15	Drivers of Motorized Vehicles Speeding in 2002 Missouri Crashes, Driver Intoxication by Crash Severity	26
3.1.16	2002 Speed-Involved Crashes, County Quartile Analysis	27
3.1.17	2002 Speed-Involved Crashes, City Listing	29

Drinking Involvement

3.2.1	2002 Missouri Traffic Crashes, Drinking Involvement	32
3.2.2	2001 and 2002 Drinking-Involved Crash Analysis	33
3.2.3	2002 Drinking-Involved Crashes, Crash Type by Crash Severity	33
3.2.4	2002 Drinking-Involved Crashes, Area Classification by Crash Severity	34
3.2.5	2002 Drinking-Involved Crashes, Road Curvature by Crash Severity	34
3.2.6	2002 Drinking-Involved Crashes, Road Incline by Crash Severity	34
3.2.7	2002 Drinking-Involved Crashes, Road Conditions by Crash Severity	35
3.2.8	2002 Drinking-Involved Crashes, Highway Classification by Crash Severity	35
3.2.9	2002 Drinking-Involved Crashes, Highway Classification by Area Classification and Crash Severity	36
3.2.10	Persons Drinking in 2002 Missouri Crashes, Person Type and Sex by Crash Severity	39

TABLES

	PAGE
3.2.11 Drivers of Motorized Vehicles Drinking in 2002 Missouri Crashes, Age of Driver by Crash Severity	40
3.2.12 Drivers of Non-Motorized Vehicles Drinking in 2002 Missouri Crashes, Age of Driver by Crash Severity	41
3.2.13 Pedestrians Drinking in 2002 Missouri Crashes, Age of Pedestrian by Crash Severity	42
3.2.14 Drivers of Motorized and Non-Motorized Vehicles Drinking in 2002 Missouri Crashes, Type of Vehicle Driven by Crash Severity	43
3.2.15 Drivers of Motorized Vehicles Drinking in 2002 Missouri Crashes, Driver's License State and Type by Crash Severity	44
3.2.16 2002 Drinking-Involved Crashes, County Quartile Analysis	45
3.2.17 2002 Drinking-Involved Crashes, City Listing	47

Young Driver Involvement

3.3.1 2002 Missouri Traffic Crashes, Young Driver Involvement	50
3.3.2 2001 and 2002 Young Driver Involved Crash Analysis	51
3.3.3 2002 Young Driver Involved Crashes, Crash Type by Crash Severity	51
3.3.4 2002 Young Driver Involved Crashes, Area Classification by Crash Severity	52
3.3.5 2002 Young Driver Involved Crashes, Road Curvature by Crash Severity	52
3.3.6 2002 Young Driver Involved Crashes, Road Incline by Crash Severity	52
3.3.7 2002 Young Driver Involved Crashes, Road Conditions by Crash Severity	53
3.3.8 2002 Young Driver Involved Crashes, Highway Classification by Crash Severity	53
3.3.9 2002 Young Driver Involved Crashes, Highway Classification by Area Classification and Crash Severity	54
3.3.10 2002 Missouri Young Driver Crashes, Type of Circumstance Involved by Crash Severity and Person Classification	57
3.3.11 Young Drivers Involved in 2002 Missouri Crashes, Sex of Driver by Crash Severity	58
3.3.12 Young Drivers Involved in 2002 Missouri Crashes, Age of Driver by Crash Severity	58
3.3.13 Young Drivers Involved in 2002 Missouri Crashes, Driver's License State and Type by Crash Severity	59
3.3.14 Young Drivers Involved in 2002 Missouri Crashes, Type of Vehicle Driven by Crash Severity	60
3.3.15 2002 Young Driver Involved Crashes, County Quartile Analysis	61
3.3.16 2002 Young Drinking Driver Involved Crashes, County Quartile Analysis	63
3.3.17 2002 Young Driver Involved Crashes, City Listing	65

Older Driver Involvement

3.4.1 2002 Missouri Traffic Crashes, Older Driver Involvement	68
3.4.2 2001 and 2002 Older Driver Involved Crash Analysis	69
3.4.3 2002 Older Driver Involved Crashes, Crash Type by Crash Severity	69
3.4.4 2002 Older Driver Involved Crashes, Area Classification by Crash Severity	70
3.4.5 2002 Older Driver Involved Crashes, Road Curvature by Crash Severity	70
3.4.6 2002 Older Driver Involved Crashes, Road Incline by Crash Severity	70
3.4.7 2002 Older Driver Involved Crashes, Road Conditions by Crash Severity	71
3.4.8 2002 Older Driver Involved Crashes, Highway Classification by Crash Severity	71
3.4.9 2002 Older Driver Involved Crashes, Highway Classification by Area Classification and Crash Severity	72
3.4.10 2002 Missouri Older Driver Crashes, Type of Circumstance Involved by Crash Severity and Person Classification	75
3.4.11 Older Drivers Involved in 2002 Missouri Crashes, Sex of Driver by Crash Severity	76

TABLES

	PAGE
3.4.12 Older Drivers Involved in 2002 Missouri Crashes, Age of Driver by Crash Severity	76
3.4.13 Older Drivers Involved in 2002 Missouri Crashes, Driver's License State and Type by Crash Severity	77
3.4.14 Older Drivers Involved in 2002 Missouri Crashes, Type of Vehicle Driven by Crash Severity	78
3.4.15 2002 Older Driver Involved Crashes, County Quartile Analysis	79
3.4.16 2002 Older Driver Involved Crashes, City Listing	81

Commercial Motor Vehicle Involvement

3.5.1 2002 Missouri Traffic Crashes, Commercial Motor Vehicle Involvement	84
3.5.2 2002 Commercial Motor Vehicle Involved Crashes, Crash Type by Crash Severity	85
3.5.3 2002 Commercial Motor Vehicle Involved Crashes, Area Classification by Crash Severity	85
3.5.4 2002 Commercial Motor Vehicle Involved Crashes, Road Curvature by Crash Severity	86
3.5.5 2002 Commercial Motor Vehicle Involved Crashes, Road Incline by Crash Severity	86
3.5.6 2002 Commercial Motor Vehicle Involved Crashes, Road Conditions by Crash Severity	87
3.5.7 2002 Commercial Motor Vehicle Involved Crashes, Highway Classification by Crash Severity	87
3.5.8 2002 Commercial Motor Vehicle Involved Crashes, Highway Classification by Area Classification and Crash Severity	88
3.5.9 2002 Missouri Commercial Motor Vehicle Crashes, Type of Circumstance Involved by Crash Severity and Person Classification	91
3.5.10 Commercial Motor Vehicles Involved in 2002 Missouri Crashes, Type of Commercial Motor Vehicle by Crash Severity	92
3.5.11 Commercial Motor Vehicles Involved in 2002 Missouri Crashes, Driver Involvement by Crash Severity	93
3.5.12 Drivers of Commercial Motor Vehicles Involved in 2002 Missouri Crashes, Sex of Driver by Crash Severity	93
3.5.13 Drivers of Commercial Motor Vehicles Involved in 2002 Missouri Crashes, Age of Driver by Crash Severity	94
3.5.14 Drivers of Commercial Motor Vehicles Involved in 2002 Missouri Crashes, Driver's License State and Type by Crash Severity	95
3.5.15 2002 Commercial Motor Vehicle Involved Crashes, County Quartile Analysis	96
3.5.16 2002 Commercial Motor Vehicle Involved Crashes, City Listing	98

Motorcycle Involvement

3.6.1 2002 Missouri Traffic Crashes, Motorcycle Involvement	100
3.6.2 2001 and 2002 Motorcycle Involved Crash Analysis	101
3.6.3 2002 Motorcycle Involved Crashes, Crash Type by Crash Severity	101
3.6.4 2002 Motorcycle Involved Crashes, Area Classification by Crash Severity	102
3.6.5 2002 Motorcycle Involved Crashes, Road Curvature by Crash Severity	102
3.6.6 2002 Motorcycle Involved Crashes, Road Incline by Crash Severity	102
3.6.7 2002 Motorcycle Involved Crashes, Road Conditions by Crash Severity	103
3.6.8 2002 Motorcycle Involved Crashes, Highway Classification by Crash Severity	103
3.6.9 2002 Motorcycle Involved Crashes, Highway Classification by Area Classification and Crash Severity	104
3.6.10 2002 Missouri Motorcycle Crashes, Type of Circumstance Involved by Crash Severity and Person Classification	107

TABLES

	PAGE
3.6.11 Motorcycles Involved in 2002 Missouri Crashes, Driver Involvement by Crash Severity	108
3.6.12 Drivers of Motorcycles Involved in 2002 Missouri Crashes, Sex of Driver by Crash Severity	108
3.6.13 Drivers of Motorcycles Involved in 2002 Missouri Crashes, Age of Driver by Crash Severity	109
3.6.14 Drivers of Motorcycles Involved in 2002 Missouri Crashes, Helmet Usage by Personal Injury Severity	110
3.6.15 2002 Motorcycle Involved Crashes, County Quartile Analysis	111
3.6.16 2002 Motorcycle Involved Crashes, City Listing	113

School Bus Involvement

3.7.1 2002 Missouri Traffic Crashes, School Bus Involvement	116
3.7.2 Direct School Bus Involvement in 2002 Missouri School Bus Crashes, Status by Crash Severity	117
3.7.3 2001 and 2002 School Bus Involved Crash Analysis	117
3.7.4 2002 School Bus Involved Crashes, Crash Type by Crash Severity	118
3.7.5 2002 School Bus Involved Crashes, Area Classification by Crash Severity	118
3.7.6 2002 School Bus Involved Crashes, Road Curvature by Crash Severity	119
3.7.7 2002 School Bus Involved Crashes, Road Incline by Crash Severity	119
3.7.8 2002 School Bus Involved Crashes, Road Conditions by Crash Severity	120
3.7.9 2002 School Bus Involved Crashes, Highway Classification by Crash Severity	120
3.7.10 2002 School Bus Involved Crashes, Highway Classification by Area Classification and Crash Severity	121
3.7.11 2002 Missouri School Bus Crashes, Type of Circumstance Involved by Crash Severity and Person Classification	124
3.7.12 School Buses Involved in 2002 Missouri Crashes, Driver Involvement by Crash Severity	125
3.7.13 Drivers of School Buses Involved in 2002 Missouri Crashes, Sex of Driver by Crash Severity	125
3.7.14 Drivers of School Buses Involved in 2002 Missouri Crashes, Age of Driver by Crash Severity	126
3.7.15 Drivers of School Buses Involved in 2002 Missouri Crashes, Driver's License State and Type by Crash Severity	127
3.7.16 2002 School Bus Involved Crashes, County Quartile Analysis	128
3.7.17 2002 School Bus Involved Crashes, City Listing	130

Bicycle Involvement

3.8.1 2002 Missouri Traffic Crashes, Bicycle Involvement	134
3.8.2 2001 and 2002 Bicycle Involved Crash Analysis	135
3.8.3 2002 Bicycle Involved Crashes, Area Classification by Crash Severity	135
3.8.4 2002 Bicycle Involved Crashes, Road Curvature by Crash Severity	135
3.8.5 2002 Bicycle Involved Crashes, Road Incline by Crash Severity	136
3.8.6 2002 Bicycle Involved Crashes, Road Conditions by Crash Severity	136
3.8.7 2002 Bicycle Involved Crashes, Highway Classification by Crash Severity	137
3.8.8 2002 Missouri Bicycle Crashes, Type of Circumstance Involved by Crash Severity and Person Classification	140
3.8.9 Bicycles Involved in 2002 Missouri Crashes, Driver Involvement by Crash Severity	141
3.8.10 Bicycle Drivers Involved in 2002 Missouri Crashes, Sex of Driver by Crash Severity	141
3.8.11 Bicycle Drivers Involved in 2002 Missouri Crashes, Age of Driver by Crash Severity	142

TABLES

	PAGE
3.8.12 2002 Bicycle Involved Crashes, Other Types of Vehicles Involved by Crash Severity	143
3.8.13 2002 Bicycle Involved Crashes, County Quartile Analysis	144
3.8.14 2002 Bicycle Involved Crashes, City Listing	146

Pedestrian Involvement

3.9.1 2002 Missouri Traffic Crashes, Pedestrian Involvement	150
3.9.2 2001 and 2002 Pedestrian Involved Crash Analysis	151
3.9.3 2002 Pedestrian Involved Crashes, Area Classification by Crash Severity	151
3.9.4 2002 Pedestrian Involved Crashes, Road Curvature by Crash Severity	151
3.9.5 2002 Pedestrian Involved Crashes, Road Incline by Crash Severity	152
3.9.6 2002 Pedestrian Involved Crashes, Road Conditions by Crash Severity	152
3.9.7 2002 Pedestrian Involved Crashes, Highway Classification by Crash Severity	153
3.9.8 2002 Pedestrian Involved Crashes, Highway Classification by Area Classification and Crash Severity	154
3.9.9 2002 Missouri Pedestrian Crashes, Type of Circumstance Involved by Crash Severity and Person Classification	157
3.9.10 Pedestrians Involved in 2002 Missouri Crashes, Sex of Pedestrian by Personal Injury Severity	158
3.9.11 Pedestrians Involved in 2002 Missouri Crashes, Age of Pedestrian by Personal Injury Severity	158
3.9.12 Pedestrians Involved in 2002 Missouri Crashes, Pedestrian Actions by Age Group	159
3.9.13 Drivers of Vehicles Striking Pedestrians in 2002 Missouri Crashes, Sex of Driver by Crash Severity	160
3.9.14 Drivers of Vehicles Striking Pedestrians in 2002 Missouri Crashes, Age of Driver by Crash Severity	160
3.9.15 Drivers of Vehicles Striking Pedestrians in 2002 Missouri Crashes, Type of Vision Obstruction by Crash Severity	161
3.9.16 Drivers of Vehicles Striking Pedestrians in 2002 Missouri Crashes, Type of Vehicle Driven by Crash Severity	162
3.9.17 2002 Pedestrian Involved Crashes, County Quartile Analysis	163
3.9.18 2002 Pedestrian Involved Crashes, City Listing	165

Fixed Object Involvement

3.10.1 2002 Missouri Traffic Crashes, Fixed Object Involvement	168
3.10.2 2001 and 2002 Fixed Object Crash Analysis	169
3.10.3 2002 Fixed Object Crashes, Area Classification by Crash Severity	169
3.10.4 2002 Fixed Object Crashes, Road Curvature by Crash Severity	169
3.10.5 2002 Fixed Object Crashes, Road Incline by Crash Severity	170
3.10.6 2002 Fixed Object Crashes, Road Conditions by Crash Severity	170
3.10.7 2002 Fixed Object Crashes, Highway Classification by Crash Severity	171
3.10.8 2002 Fixed Object Crashes, Highway Classification by Area Classification and Crash Severity	172
3.10.9 2002 Fixed Object Crashes, Type of Object Struck by Crash Severity	173
3.10.10 2002 Missouri Fixed Object Crashes, Type of Circumstance Involved by Crash Severity and Person Classification	176
3.10.11 2002 Missouri Fixed Object Crashes, Type of Vehicle Striking Fixed Object by Crash Severity	177
3.10.12 Vehicles Striking Fixed Objects in 2002 Missouri Crashes, Driver Involvement by Crash Severity	178

TABLES

	PAGE
3.10.13 Drivers of Vehicles Striking Fixed Objects in 2002 Missouri Crashes, Sex of Driver by Crash Severity	178
3.10.14 Drivers of Vehicles Striking Fixed Objects in 2002 Missouri Crashes, Age of Driver by Crash Severity	179
3.10.15 Drivers of Vehicles Striking Fixed Objects in 2002 Missouri Crashes, Driver's License State and Type by Crash Severity	180
3.10.16 2002 Fixed Object Involved Crashes, County Quartile Analysis	181
3.10.17 2002 Fixed Object Involved Crashes, City Listing	183

Hazardous Material Involvement

3.11.1 2002 Missouri Traffic Crashes, Hazardous Material Involvement	186
3.11.2 2001 and 2002 Hazardous Material Involved Crash Analysis	187
3.11.3 2002 Hazardous Material Involved Crashes, Crash Type by Crash Severity	187
3.11.4 2002 Hazardous Material Involved Crashes, Area Classification by Crash Severity	188
3.11.5 2002 Hazardous Material Involved Crashes, Road Curvature by Crash Severity	188
3.11.6 2002 Hazardous Material Involved Crashes, Road Incline by Crash Severity	188
3.11.7 2002 Hazardous Material Involved Crashes, Road Conditions by Crash Severity	189
3.11.8 2002 Hazardous Material Involved Crashes, Highway Classification by Crash Severity	189
3.11.9 Vehicles Carrying Hazardous Materials Involved in 2002 Missouri Crashes, Type of Vehicle by Crash Severity	192
3.11.10 Vehicles Carrying Hazardous Materials Involved in 2002 Missouri Crashes, Type of Hazardous Material Carried by Spillage and Crash Severity	192
3.11.11 2002 Missouri Hazardous Material Crashes, Type of Circumstance Involved by Crash Severity and Person Classification	193
3.11.12 Vehicles Carrying Hazardous Materials Involved in 2002 Missouri Crashes, Driver Involvement by Crash Severity	194
3.11.13 Drivers of Vehicles Carrying Hazardous Materials Involved in 2002 Missouri Crashes, Sex of Driver by Crash Severity	194
3.11.14 Drivers of Vehicles Carrying Hazardous Materials Involved in 2002 Missouri Crashes, Age of Driver by Crash Severity	195
3.11.15 Drivers of Vehicles Carrying Hazardous Materials Involved in 2002 Missouri Crashes, Driver's License State and Type by Crash Severity	196
3.11.16 2002 Hazardous Material Involved Crashes, County Quartile Analysis	197
3.11.17 2002 Hazardous Material Involved Crashes, City Listing	199

Construction / Other Work Zone Involvement

3.12.1 2002 Missouri Traffic Crashes, Construction / Other Work Zone Involvement	202
3.12.2 2001 and 2002 Construction / Other Work Zone Involved Crash Analysis	203
3.12.3 2002 Construction / Other Work Zone Involved Crashes, Traffic Control by Crash Severity	203
3.12.4 2002 Construction / Other Work Zone Involved Crashes, Crash Type by Crash Severity ...	204
3.12.5 2002 Construction / Other Work Zone Involved Crashes, Area Classification by Crash Severity	204
3.12.6 2002 Construction / Other Work Zone Involved Crashes, Road Curvature by Crash Severity	205
3.12.7 2002 Construction / Other Work Zone Involved Crashes, Road Incline by Crash Severity ..	205
3.12.8 2002 Construction / Other Work Zone Involved Crashes, Road Conditions by Crash Severity	206

TABLES

	PAGE
3.12.9 2002 Construction / Other Work Zone Involved Crashes, Highway Classification by Crash Severity	206
3.12.10 Vehicles Involved in 2002 Missouri Construction / Other Work Zone Crashes, Type of Vehicle by Crash Severity	209
3.12.11 2002 Missouri Construction / Other Work Zone Crashes, Type of Circumstance Involved by Crash Severity	210
3.12.12 Vehicles Involved in 2002 Missouri Construction / Other Work Zone Crashes, Driver Involvement by Crash Severity	211
3.12.13 Drivers of Vehicles Involved in 2002 Missouri Construction / Other Work Zone Crashes, Sex of Driver by Crash Severity	211
3.12.14 Drivers of Vehicles Involved in 2002 Missouri Construction / Other Work Zone Crashes, Age of Driver by Crash Severity	212
3.12.15 Drivers of Vehicles Involved in 2002 Missouri Construction / Other Work Zone Crashes, Driver's License State and Type by Crash Severity	213
3.12.16 2002 Construction / Other Work Zone Involved Crashes, County Quartile Analysis	214
3.12.17 2002 Construction / Other Work Zone Involved Crashes, City Listing	216

Seat Belt Usage

3.13.1 2002 Missouri Traffic Crashes, Drivers and Passengers of Automobiles, Trucks, Vans, and Motor Homes, Personal Injury Severity by Seat Belt Usage	218
3.13.2 2002 Missouri Traffic Crashes, Drivers of Automobiles, Trucks, Vans, and Motor Homes, Area Classification by Seat Belt Usage	219
3.13.3 2002 Missouri Traffic Crashes, Drivers of Automobiles, Trucks, Vans, and Motor Homes, Weather Conditions by Seat Belt Usage	219
3.13.4 2002 Missouri Traffic Crashes, Drivers of Automobiles, Trucks, Vans, and Motor Homes, Highway Classification by Seat Belt Usage	220
3.13.5 2002 Missouri Traffic Crashes, Drivers of Automobiles, Trucks, Vans, and Motor Homes, Month of Year by Seat Belt Usage	221
3.13.6 2002 Missouri Traffic Crashes, Drivers of Automobiles, Trucks, Vans, and Motor Homes, Day of Week by Seat Belt Usage	222
3.13.7 2002 Missouri Traffic Crashes, Drivers of Automobiles, Trucks, Vans, and Motor Homes, Hour of Day by Seat Belt Usage	223
3.13.8 2002 Missouri Traffic Crashes, Drivers of Automobiles, Trucks, Vans, and Motor Homes, Sex of Driver by Seat Belt Usage	224
3.13.9 2002 Missouri Traffic Crashes, Drivers of Automobiles, Trucks, Vans, and Motor Homes, Driver Ejection by Seat Belt Usage	224
3.13.10 2002 Missouri Traffic Crashes, Drivers of Automobiles, Trucks, Vans, and Motor Homes, Age of Driver by Seat Belt Usage	225
3.13.11 2002 Missouri Traffic Crashes, Drivers of Automobiles, Trucks, Vans, and Motor Homes, Driver's License State and Type by Seat Belt Usage	226
3.13.12 2002 Missouri Traffic Crashes, Drivers of Automobiles, Trucks, Vans, and Motor Homes, Type of Vehicle Driven by Seat Belt Usage	227
3.13.13 2002 Missouri Traffic Crashes, Drivers of Automobiles, Trucks, Vans, and Motor Homes, Driver Intoxication by Seat Belt Usage	227
3.13.14 2002 Missouri Traffic Crashes, Drivers of Automobiles, Trucks, Vans, and Motor Homes, Seat Belt Usage Rates, County Quartile Analysis	228
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 - 2001 Average and 2002	231

TABLES

MISSOURI COUNTY AND CITY TRAFFIC CRASH ANALYSIS		PAGE
4.0.1	2002 Missouri Traffic Crashes, County and City Summary	235
4.0.2	2002 Missouri Traffic Crashes, Multi-County City Summary	273

FIGURES

	PAGE
MISSOURI TRAFFIC SAFETY PERSONAL INJURY PROBLEM ANALYSIS CLOCK	
1.0.1 Missouri Traffic Safety Personal Injury Problem Analysis Clock, 2002	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
2.0.3 Missouri Fatal Crashes, Annual Time Series	12
2.0.4 Missouri Fatal and Personal Injury Crashes, Annual Time Series	12
MISSOURI DETAIL TRAFFIC SAFETY PROBLEM ANALYSIS	
Speed Involvement	
3.1.1 2002 Missouri Speed-Involved Crashes, Month of Year	21
3.1.2 2002 Missouri Speed-Involved Crashes, Day of Week	21
3.1.3 2002 Missouri Speed-Involved Crashes, Hour of Day	22
3.1.4 Missouri Fatal and Personal Injury Speed-Involved Crashes, Annual Time Series	30
Drinking Involvement	
3.2.1 2002 Missouri Drinking-Involved Crashes, Month of Year	37
3.2.2 2002 Missouri Drinking-Involved Crashes, Day of Week	37
3.2.3 2002 Missouri Drinking-Involved Crashes, Hour of Day	38
3.2.4 Missouri Fatal and Personal Injury Drinking-Involved Crashes, Annual Time Series	48
Young Driver Involvement	
3.3.1 2002 Missouri Young Driver Involved Crashes, Month of Year	55
3.3.2 2002 Missouri Young Driver Involved Crashes, Day of Week	55
3.3.3 2002 Missouri Young Driver Involved Crashes, Hour of Day	56
3.3.4 Missouri Fatal and Personal Injury Young Driver Involved Crashes, Annual Time Series	66
Older Driver Involvement	
3.4.1 2002 Missouri Older Driver Involved Crashes, Month of Year	73
3.4.2 2002 Missouri Older Driver Involved Crashes, Day of Week	73
3.4.3 2002 Missouri Older Driver Involved Crashes, Hour of Day	74
3.4.4 Missouri Fatal and Personal Injury Older Driver Involved Crashes, Annual Time Series	82
Commercial Motor Vehicle Involvement	
3.5.1 2002 Missouri Commercial Motor Vehicle Involved Crashes, Month of Year	89
3.5.2 2002 Missouri Commercial Motor Vehicle Involved Crashes, Day of Week	89
3.5.3 2002 Missouri Commercial Motor Vehicle Involved Crashes, Hour of Day	90

FIGURES

PAGE

Motorcycle Involvement

3.6.1	2002 Missouri Motorcycle Involved Crashes, Month of Year	105
3.6.2	2002 Missouri Motorcycle Involved Crashes, Day of Week	105
3.6.3	2002 Missouri Motorcycle Involved Crashes, Hour of Day	106
3.6.4	Missouri Fatal and Personal Injury Motorcycle Involved Crashes, Annual Time Series	114

School Bus Involvement

3.7.1	2002 Missouri School Bus Involved Crashes, Month of Year	122
3.7.2	2002 Missouri School Bus Involved Crashes, Day of Week	122
3.7.3	2002 Missouri School Bus Involved Crashes, Hour of Day	123
3.7.4	Missouri Fatal and Personal Injury School Bus Involved Crashes, Annual Time Series	131

Bicycle Involvement

3.8.1	2002 Missouri Bicycle Involved Crashes, Month of Year	138
3.8.2	2002 Missouri Bicycle Involved Crashes, Day of Week	138
3.8.3	2002 Missouri Bicycle Involved Crashes, Hour of Day	139
3.8.4	Missouri Fatal and Personal Injury Bicycle Involved Crashes, Annual Time Series	147

Pedestrian Involvement

3.9.1	2002 Missouri Pedestrian Involved Crashes, Month of Year	155
3.9.2	2002 Missouri Pedestrian Involved Crashes, Day of Week	155
3.9.3	2002 Missouri Pedestrian Involved Crashes, Hour of Day	156
3.9.4	Missouri Fatal and Personal Injury Pedestrian Crashes, Annual Time Series	166

Fixed Object Involvement

3.10.1	2002 Missouri Fixed Object Crashes, Month of Year	174
3.10.2	2002 Missouri Fixed Object Crashes, Day of Week	174
3.10.3	2002 Missouri Fixed Object Crashes, Hour of Day	175
3.10.4	Missouri Fatal and Personal Injury Fixed Object Crashes, Annual Time Series	184

Hazardous Material Involvement

3.11.1	2002 Missouri Hazardous Material Involved Crashes, Month of Year	190
3.11.2	2002 Missouri Hazardous Material Involved Crashes, Day of Week	190
3.11.3	2002 Missouri Hazardous Material Involved Crashes, Hour of Day	191

Construction / Other Work Zone Involvement

3.12.1	2002 Missouri Construction / Other Work Zone Involved Crashes, Month of Year	207
3.12.2	2002 Missouri Construction / Other Work Zone Involved Crashes, Day of Week	207
3.12.3	2002 Missouri Construction / Other Work Zone Involved Crashes, Hour of Day	208

Seat Belt Usage

3.13.1	Percent of Drivers Wearing Seat Belts, Monthly Time Series	230
--------	--	-----

EXECUTIVE SUMMARY

The purpose of this publication is to provide the Missouri State Highway Patrol, the Missouri Division of Highway Safety, 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 (2002).

In 2002, Missouri had a total of 185,786 traffic crashes. The economic loss associated with these traffic crashes was estimated to be \$3,398,182,500. In these traffic crashes, 0.6% (1,082) involved one or more persons being killed in the incident. In addition, 25.8% (47,973) involved no persons being killed but one or more persons being injured in the incident.

In 2002, a total of 1,208 persons died in Missouri traffic crashes. One person was killed every 7.3 hours. The death rate (the number of deaths per 100 million miles of travel) was 1.8 in 2002. Missouri experienced a slight increase in its death rate compared to 2001. In 2001, the death rate was 1.6.

A total of 72,599 persons were injured in traffic crashes in 2002. One person was injured every 7.2 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 2002 Missouri traffic crashes, 17.6% were speed related. Of all fatal crashes, 39.9% were speed related. A total of 484 persons were killed and 16,858 were injured in this type of crash. In 2002, one person was killed or injured every 30.3 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 2002. Of all 2002 Missouri traffic crashes, 4.7% involved a person drinking. However, of all fatal crashes, 25.2% had a person drinking. A total of 292 persons were killed and 5,894 were injured in these crashes. In 2002, one person was killed or injured in drinking-involved crashes every 1.4 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 2002 traffic crashes, 31.0% involved one or more drivers under the age of 21. Of all fatal crashes, 24.5% 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 10.5% of all Missouri's licensed drivers. A total of 294 persons were killed and 23,468 were injured in traffic crashes involving young drivers. In 2002, one person was killed or injured in a young driver involved traffic crash every 22.1 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 2002 traffic crashes, 26.9% involved an older driver. Of all fatal crashes, 26.1% involved an older driver. A total of 320 persons were killed and 18,327 were injured in these traffic crashes. In 2002, one person was killed or injured in an older driver involved traffic crash every 28.2 minutes in the State of Missouri.
- Although commercial motor vehicles were 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 occupants of vehicles with which they collide. In 2002, 3.9% of all traffic crashes involved a commercial motor

vehicle. When examining fatal traffic crashes, 17.8% involved a commercial motor vehicle. A total of 214 persons were killed and 5,448 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 1.5 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 2002, 26.4% resulted in a person being killed or injured. However, in motorcycle involved crashes, 78.7% resulted in a death or personal injury. In 2002, 0.9% of all traffic crashes involved a motorcycle. In fatal traffic crashes, 5.2% involved a motorcycle. A total of 58 persons were killed and 1,455 were injured in motorcycle traffic crashes. One person was killed or injured in these crashes every 5.8 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 2002 Missouri traffic crashes, 0.9% involved a school bus or school bus signal. Three people were killed and 771 were injured in these crashes. In 2002, one person was killed or injured in school bus involved traffic crashes every 11.3 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 2002, 26.4% resulted in a person being killed or injured. However, in bicycle traffic crashes, 83.8% 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 2002 traffic crashes was 20.6 years. Of all 2002 Missouri traffic crashes, 0.4% involved a bicycle. Of all fatal traffic crashes, 1.5% were bicycle related. A total of 16 persons were killed and 641 were injured in these traffic crashes. One person was killed or injured in a bicycle traffic crash every 13.3 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 occurring in the State in 2002, 26.4% resulted in a person being killed or injured. However, in pedestrian traffic crashes, 94.1% 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 2002 Missouri traffic crashes, 0.9% involved a pedestrian. Of all fatal traffic crashes, 8.3% involved a pedestrian. A total of 92 persons were killed and 1,699 were injured in these traffic crashes. One person was killed or injured in a pedestrian traffic crash every 4.9 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 2002 Missouri traffic crashes, 17.2% involved a fixed object being struck as part of the first harmful event. In fatal crashes, 37.0% involved a fixed object. A total of 425 persons were killed and 14,637 were injured in fixed object traffic crashes. One person was killed or injured every 34.9 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 2002 traffic crashes, 0.1% involved hazardous materials. Of all fatal traffic crashes, 0.4% were hazardous material related. A total of 7 persons were killed and 75 were injured in hazardous material crashes. One person was killed or injured in these crashes every 4.5 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 2002, 2.6% of all traffic crashes involved a construction / other work zone. When examining fatal traffic crashes, 2.4% were associated with a construction / other work zone. A total of 28 persons were killed

and 1,646 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 5.2 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 2002 Missouri traffic crash had a 1 in 3 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 7. When examining driver deaths, the difference is much more dramatic. A driver involved in a 2002 Missouri traffic crash had a 1 in 46 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 1,342.

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 (2002).

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

The traffic safety data contained in this publication are segmented into four sections. The first section displays the 2002 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. In addition, this section provides historical data related to Missouri's driver's licensing, vehicle registration, and annual miles of travel activity levels. 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 2002 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 occurring on public roadways if they involve a death or personal injury or property damage over \$500.00. They submit their findings 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 registration and annual 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 the STARS system. 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 2002 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**

2002

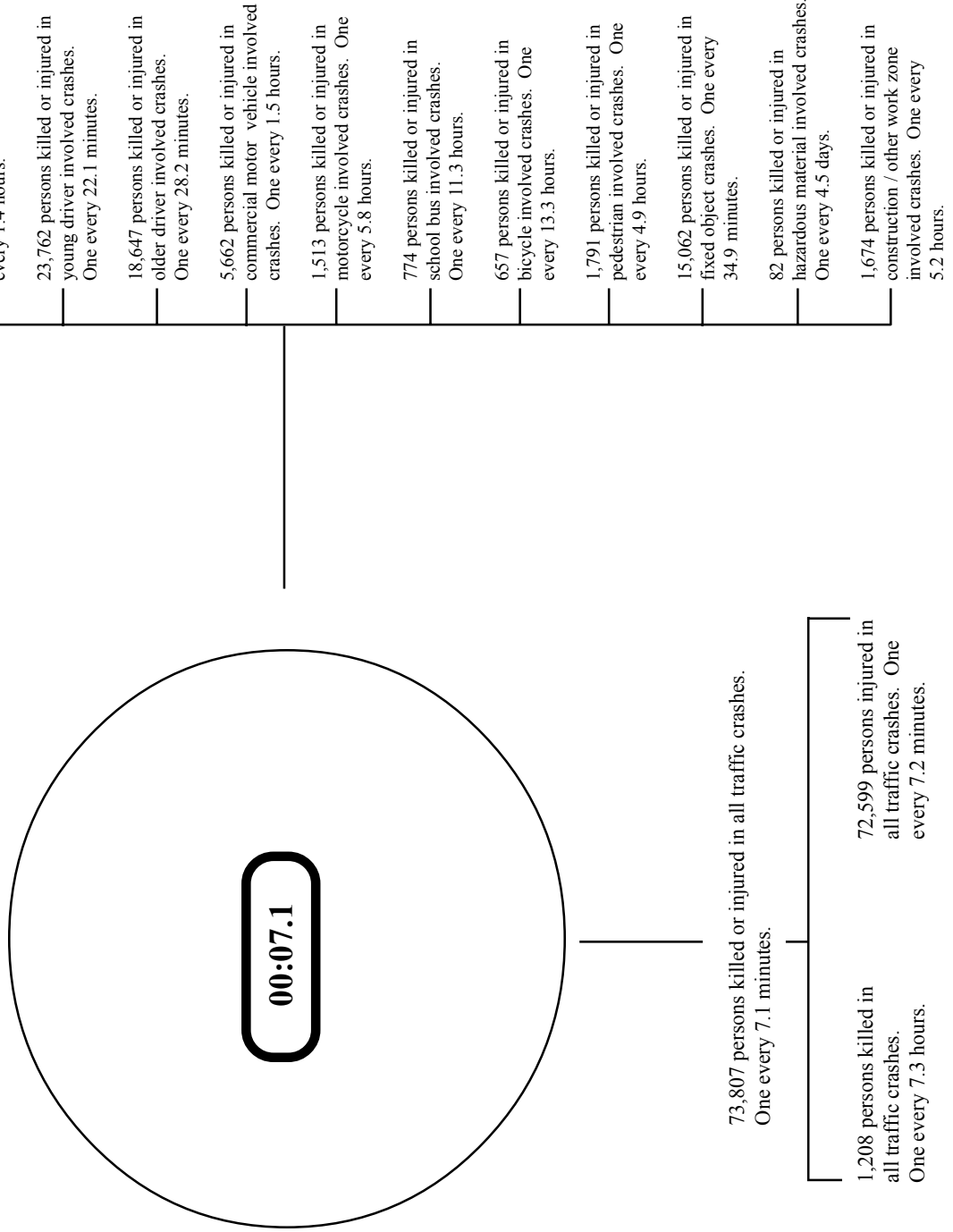


FIGURE 1.0.1

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

1978 - 2002

Year	Killed	Injured	Economic Loss	Licensed ¹ Drivers	Vehicles ² Registered	Miles ² Travelled	Death Rate ³	Injury Rate ⁴
1978	1,224	65,749	699,830,000	3,225,925	3,219,433	34,660,000,000	3.5	193.2
1979	1,162	60,405	712,870,000	3,227,036	3,316,533	34,561,000,000	3.4	178.1
1980	1,191	56,131	755,850,000	3,306,126	3,351,256	33,968,000,000	3.5	168.8
1981	1,056	56,801	720,960,000	3,339,269	3,414,040	34,730,000,000	3.0	166.6
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	72,599	3,398,183,000	4,118,933	4,413,717	68,162,000,000	1.8	108.3

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

1993 - 2002 MISSOURI TRAFFIC CRASHES

YEAR BY CRASH SEVERITY

YEAR	FATAL		PERSONAL INJURY		PROPERTY DAMAGE		TOTAL
1993	843		49,042		127,927		177,812
<i>ROW %</i>	<i>0.5</i>		<i>27.6</i>		<i>71.9</i>		<i>100.0</i>
1994	947		51,045		128,418		180,410
<i>ROW %</i>	<i>0.5</i>		<i>28.3</i>		<i>71.2</i>		<i>100.0</i>
1995	985		51,987		133,080		186,052
<i>ROW %</i>	<i>0.5</i>		<i>27.9</i>		<i>71.5</i>		<i>100.0</i>
1996	1,006		52,744		137,470		191,220
<i>ROW %</i>	<i>0.5</i>		<i>27.6</i>		<i>71.9</i>		<i>100.0</i>
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		47,973		136,731		185,786
<i>ROW %</i>	<i>0.6</i>		<i>25.8</i>		<i>73.6</i>		<i>100.0</i>

TABLE 2.0.2

**MISSOURI DEATH RATE¹
ANNUAL TIME SERIES**

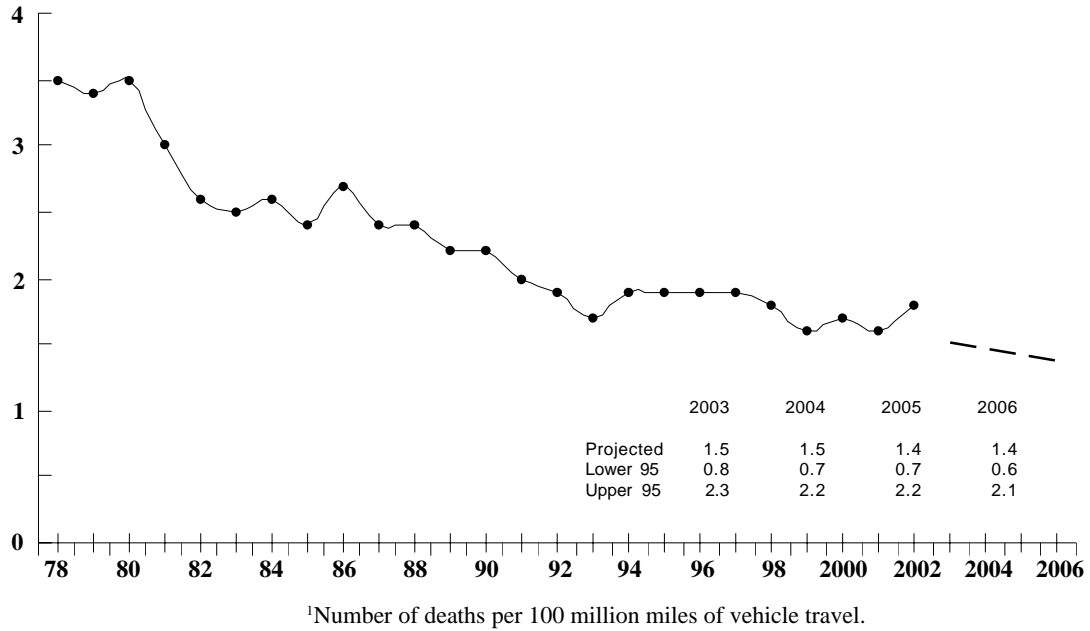


FIGURE 2.0.1

**MISSOURI INJURY RATE¹
ANNUAL TIME SERIES**

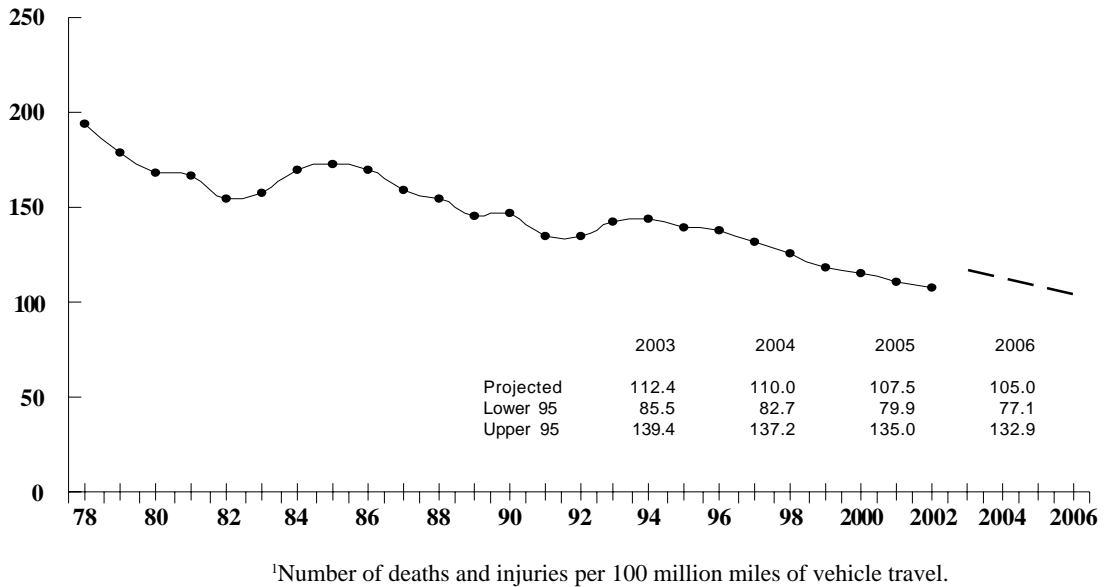


FIGURE 2.0.2

MISSOURI FATAL CRASHES ANNUAL TIME SERIES

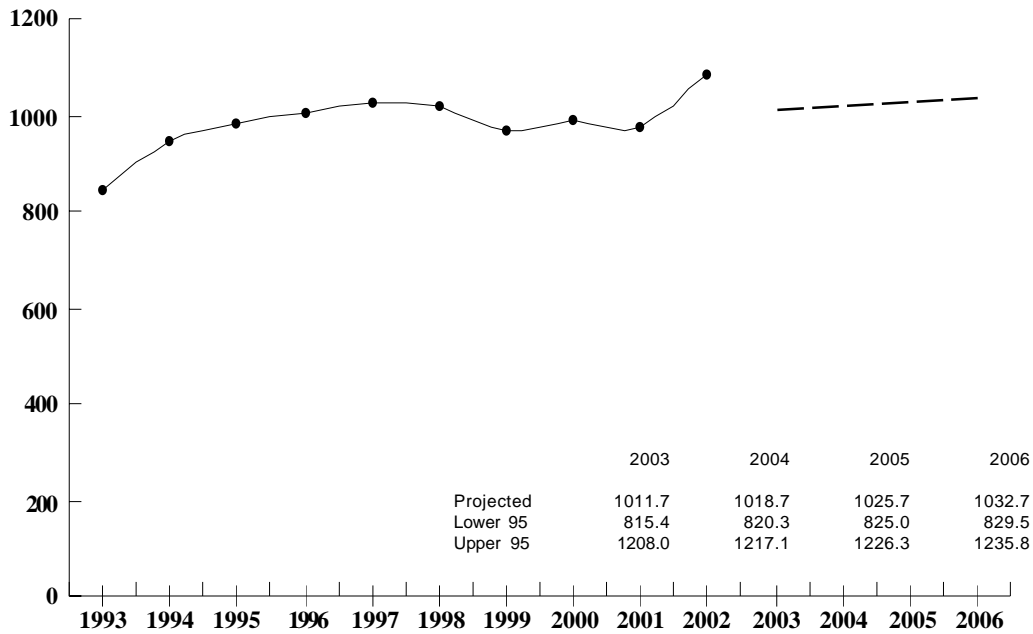


FIGURE 2.0.3

MISSOURI FATAL AND PERSONAL INJURY CRASHES ANNUAL TIME SERIES

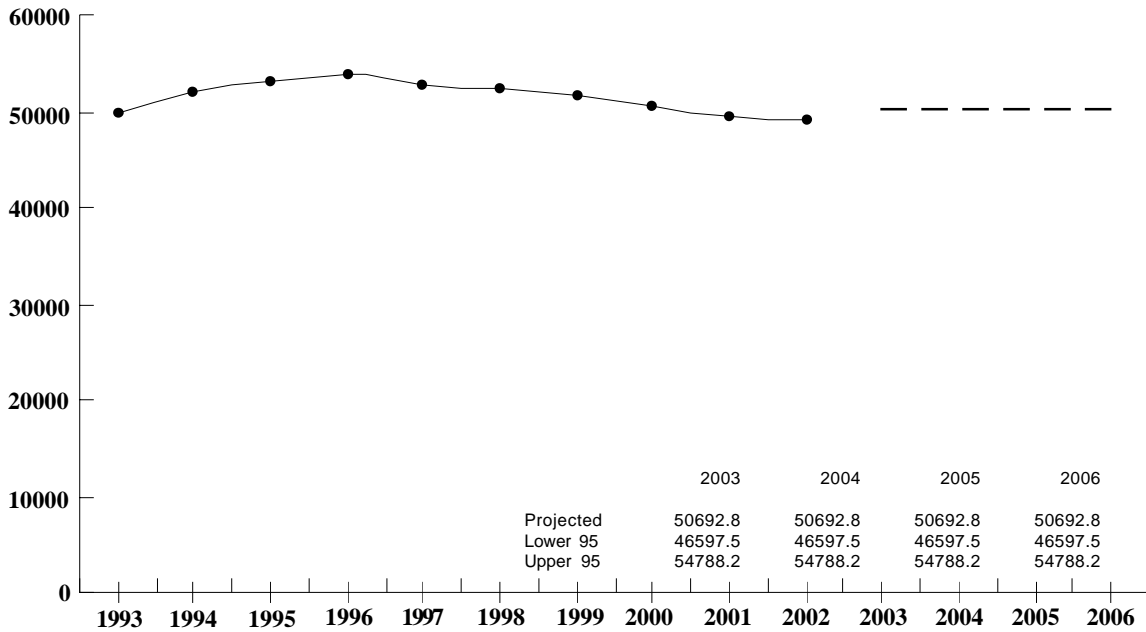


FIGURE 2.0.4

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 involved in these traffic crashes.

2002 SUMMARY ANALYSIS

- Of all 2002 Missouri traffic crashes, 17.6% were speed related. Of all fatal traffic crashes, 39.9% were speed related. A total of 484 persons were killed and 16,858 were injured in speed-related traffic crashes.
- There was an increase of 19.3% in the rate of change when comparing total 2002 speed-related crashes with those in 2001. There was an increase of 16.9% when comparing 2002 fatal speed-related traffic crashes with 2001.
- In 2002, one person was killed or injured in a speed-related traffic crash every 30.3 minutes in the State of Missouri.
- Of all 2002 speed-related traffic crashes, the first harmful event in 42.0% of the incidents involved one motor vehicle in transport striking another motor vehicle in transport. In 44.2% of the cases, the first harmful event involved a motor vehicle striking a fixed object. Of all fatal speed-related traffic crashes, 50.0% involved a motor vehicle striking a fixed object.
- Of all 2002 speed-related traffic crashes, 49.2% occurred in urban areas of the State and 50.8% occurred in rural areas. However, 74.1% of the fatal speed-related traffic crashes occurred in a rural area.
- Of the speeding drivers involved in traffic crashes, 65.6% were male and 34.4% were female. The average age of speeding drivers was 30.6 years.
- Of the speeding drivers, 83.5% had a Missouri driver's license, 10.7% had an out-of-state driver's license, and 5.7% were unlicensed at the time of the traffic crash.
- Of the speeding drivers, 59.0% were driving an automobile and 19.9% were driving a pickup truck at the time of the crash.
- Of the speeding drivers involved in fatal traffic crashes, 32.8% had been drinking or had taken drugs which also contributed to the cause of the fatal traffic crash.

2002 MISSOURI TRAFFIC CRASHES

SPEED INVOLVEMENT

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	TOTAL NUMBER¹ KILLED	TOTAL NUMBER¹ INJURED	SPEEDING DRIVERS² KILLED	SPEEDING DRIVERS² INJURED
SPEED INVOLVED	428	39.9	11,036	23.3	20,129	15.3	31,593	17.6	484	16,858	277	7,913
NO SPEED INVOLVED	644	60.1	36,320	76.7	111,181	84.7	148,145	82.4	714	54,823	-	-
UNKNOWN ³	10	-	617	-	5,421	-	6,048	-	10	918	-	-
TOTAL	1,082	100.0	47,973	100.0	136,731	100.0	185,786	100.0	1,208	72,599	277	7,913

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

2001 and 2002 SPEED-INVOLVED CRASH ANALYSIS

	2001	2002	RATE OF CHANGE
FATAL	366	428	+ 16.9
PERSONAL INJURY	9,522	11,036	+ 15.9
PROPERTY DAMAGE	16,598	20,129	+ 21.3
TOTAL	26,486	31,593	+ 19.3

TABLE 3.1.2

2002 SPEED-INVOLVED CRASHES

CRASH TYPE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
ANIMAL	0	0.0	11	0.1	24	0.1	35	0.1
BICYCLIST	1	0.2	19	0.2	0	0.0	20	0.1
FIXED OBJECT	214	50.0	5,111	46.3	8,624	42.8	13,949	44.2
OTHER OBJECT	4	0.9	50	0.5	128	0.6	182	0.6
PEDESTRIAN	12	2.8	73	0.7	4	0.0	89	0.3
TRAIN	0	0.0	1	0.0	2	0.0	3	0.0
VEHICLE IN TRANSPORT	125	29.2	4,252	38.5	8,898	44.2	13,275	42.0
VEHICLE ON OTHER ROADWAY	8	1.9	47	0.4	41	0.2	96	0.3
PARKED VEHICLE	3	0.7	254	2.3	1,318	6.6	1,575	5.0
NONCOLLISION OVERTURN	57	13.3	1,144	10.4	894	4.4	2,095	6.6
NONCOLLISION OTHER	4	0.9	74	0.7	196	1.0	274	0.9
TOTAL	428	100.0	11,036	100.0	20,129	100.0	31,593	100.0

TABLE 3.1.3

2002 SPEED-INVOLVED CRASHES

AREA CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
URBAN	111	25.9	4,649	42.1	10,796	53.6	15,556	49.2
RURAL	317	74.1	6,387	57.9	9,333	46.4	16,037	50.8
TOTAL	428	100.0	11,036	100.0	20,129	100.0	31,593	100.0

TABLE 3.1.4

2002 SPEED-INVOLVED CRASHES

ROAD CURVATURE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
STRAIGHT	220	51.4	6,919	63.0	13,596	70.1	20,735	67.3
CURVE	208	48.6	4,068	37.0	5,796	29.9	10,072	32.7
UNKNOWN	0	-	49	-	737	-	786	-
TOTAL	428	100.0	11,036	100.0	20,129	100.0	31,593	100.0

TABLE 3.1.5

2002 SPEED-INVOLVED CRASHES

ROAD INCLINE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
LEVEL	173	40.5	5,848	53.5	11,480	59.6	17,501	57.1
HILL	233	54.6	4,652	42.5	7,065	36.7	11,950	39.0
CREST	21	4.9	438	4.0	716	3.7	1,175	3.8
UNKNOWN	1	-	98	-	868	-	967	-
TOTAL	428	100.0	11,036	100.0	20,129	100.0	31,593	100.0

TABLE 3.1.6

**2002 SPEED-INVOLVED CRASHES
ROAD CONDITIONS BY CRASH SEVERITY**

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRY	311	73.2	5,922	54.0	7,721	38.6	13,954	44.4
WET	73	17.2	3,486	31.8	7,819	39.1	11,378	36.2
SNOW	25	5.9	877	8.0	2,757	13.8	3,659	11.7
ICE	14	3.3	587	5.4	1,435	7.2	2,036	6.5
SLUSH	2	0.5	72	0.7	216	1.1	290	0.9
MUD	0	0.0	7	0.1	12	0.1	19	0.1
STANDING WATER	0	0.0	23	0.2	34	0.2	57	0.2
MOVING WATER	0	0.0	3	0.0	12	0.1	15	0.1
UNKNOWN	3	-	59	-	123	-	185	-
TOTAL	428	100.0	11,036	100.0	20,129	100.0	31,593	100.0

TABLE 3.1.7

**2002 SPEED-INVOLVED CRASHES
HIGHWAY CLASSIFICATION BY CRASH SEVERITY**

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	52	12.2	1,449	13.1	2,955	14.7	4,456	14.1
U.S. HIGHWAY	54	12.6	1,164	10.6	1,981	9.8	3,199	10.1
STATE NUMBERED	84	19.6	1,811	16.4	2,776	13.8	4,671	14.8
SINGLE STATE LETTERED	74	17.3	1,211	11.0	1,433	7.1	2,718	8.6
DOUBLE STATE LETTERED	25	5.8	533	4.8	600	3.0	1,158	3.7
OUTER ROAD	0	0.0	70	0.6	142	0.7	212	0.7
COUNTY ROAD	77	18.0	1,810	16.4	2,746	13.6	4,633	14.7
CITY STREET	58	13.6	2,774	25.1	6,963	34.6	9,795	31.0
INTERSTATE LOOP	2	0.5	20	0.2	45	0.2	67	0.2
OTHER ¹	2	0.5	194	1.8	488	2.4	684	2.2
TOTAL	428	100.0	11,036	100.0	20,129	100.0	31,593	100.0

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

TABLE 3.1.8

2002 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	25	22.5	838	18.0	1,689	15.6	2,552	16.4	27	8.5	611	9.6	1,266	13.6	1,904	11.9
U.S. HIGHWAY	13	11.7	413	8.9	804	7.5	1,230	7.9	41	12.9	751	11.8	1,177	12.6	1,969	12.3
STATE NUMBERED	8	7.2	442	9.5	897	8.3	1,347	8.7	76	24.0	1,369	21.4	1,879	20.1	3,324	20.7
SINGLE STATE LETTERED	3	2.7	95	2.0	191	1.8	289	1.9	71	22.4	1,116	17.5	1,242	13.3	2,429	15.2
DOUBLE STATE LETTERED	1	0.9	58	1.3	97	0.9	156	1.0	24	7.6	475	7.4	503	5.4	1,002	6.3
OUTER ROAD	0	0.0	40	0.9	92	0.9	132	0.9	0	0.0	30	0.5	50	0.5	80	0.5
COUNTY ROAD	5	4.5	142	3.1	360	3.3	507	3.3	72	22.7	1,668	26.1	2,386	25.6	4,126	25.7
CITY STREET	54	48.7	2,476	53.3	6,287	58.2	8,817	56.7	4	1.3	298	4.7	676	7.2	978	6.1
INTERSTATE LOOP	2	1.8	15	0.3	39	0.4	56	0.4	0	0.0	5	0.1	6	0.1	11	0.1
OTHER ¹	0	0.0	130	2.8	340	3.2	470	3.0	2	0.6	64	1.0	148	1.6	214	1.3
TOTAL	111	100.0	4,649	100.0	10,796	100.0	15,556	100.0	317	100.0	6,387	100.0	9,333	100.0	16,037	100.0

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

TABLE 3.1.9

**2002 MISSOURI SPEED-INVOLVED CRASHES
MONTH OF YEAR**

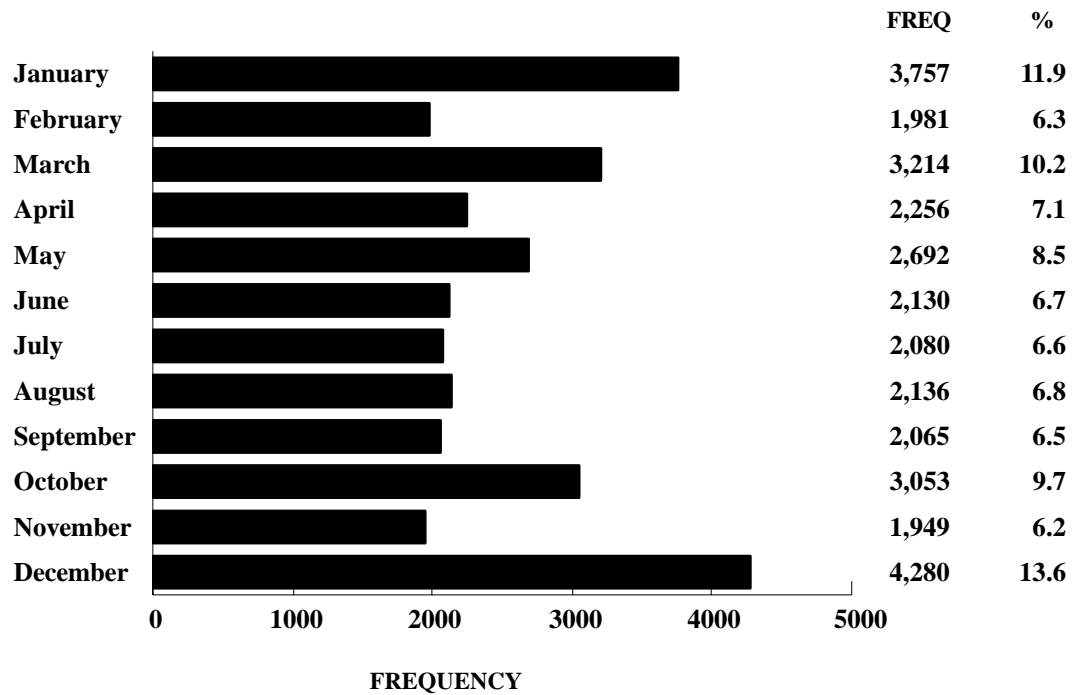
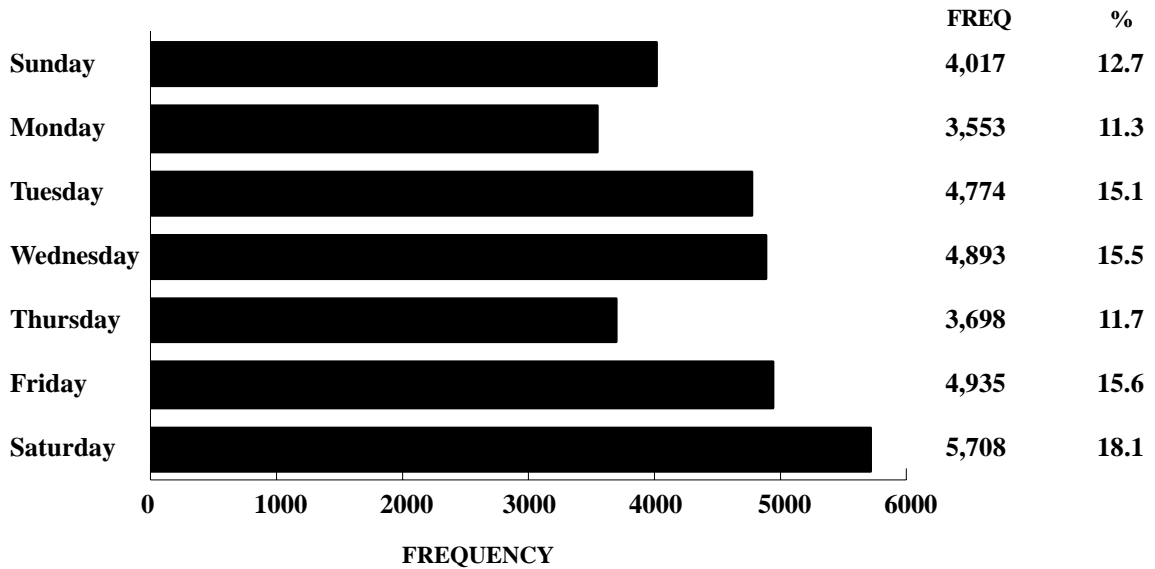


FIGURE 3.1.1

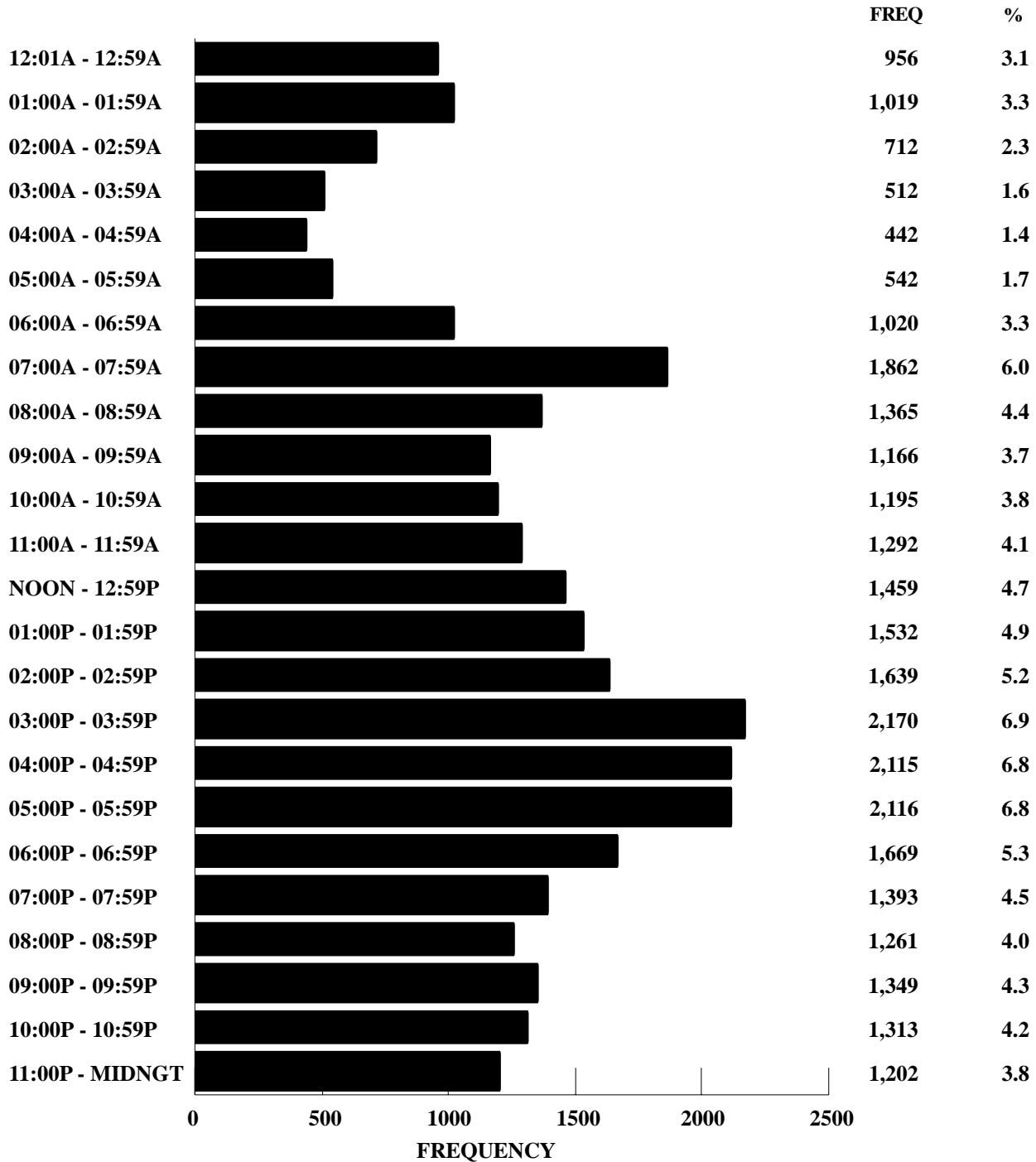
**2002 MISSOURI SPEED-INVOLVED CRASHES
DAY OF WEEK**



Unknown Data Not Included

FIGURE 3.1.2

**2002 MISSOURI SPEED-INVOLVED CRASHES
HOUR OF DAY**



Unknown Data Not Included

FIGURE 3.1.3

DRIVERS OF MOTORIZED VEHICLES SPEEDING IN 2002 MISSOURI CRASHES

TYPE OF SPEEDING VIOLATION

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
EXCEEDING SPEED LIMIT	154	34.5	1,719	15.2	2,263	11.0	4,136	12.8
TOO FAST FOR CONDITIONS	275	61.7	9,158	81.2	17,772	86.4	27,205	84.2
EXCEEDING SPEED LIMIT AND TOO FAST FOR CONDITIONS	17	3.8	404	3.6	545	2.6	966	3.0
TOTAL	446	100.0	11,281	100.0	20,580	100.0	32,307	100.0

TABLE 3.1.10

DRIVERS OF MOTORIZED VEHICLES SPEEDING IN 2002 MISSOURI CRASHES

SEX OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MALE	339	77.2	7,008	64.4	11,609	66.1	18,956	65.6
FEMALE	100	22.8	3,874	35.6	5,962	33.9	9,936	34.4
UNKNOWN	7	-	399	-	3,009	-	3,415	-
TOTAL	446	100.0	11,281	100.0	20,580	100.0	32,307	100.0

TABLE 3.1.11

DRIVERS OF MOTORIZED VEHICLES SPEEDING IN 2002 MISSOURI CRASHES

AGE OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AVERAGE AGE OF DRIVER	31.6	-	30.7	-	30.6	-	30.6	-
14 YEARS AND UNDER	3	0.7	37	0.3	55	0.3	95	0.3
15 - 20 YEARS	109	24.8	3,492	32.3	5,678	32.1	9,279	32.1
21 - 25 YEARS	84	19.1	1,790	16.6	3,086	17.4	4,960	17.1
26 - 30 YEARS	48	10.9	1,136	10.5	1,835	10.4	3,019	10.4
31 - 35 YEARS	47	10.7	965	8.9	1,514	8.6	2,526	8.7
36 - 40 YEARS	37	8.4	896	8.3	1,452	8.2	2,385	8.2
41 - 45 YEARS	34	7.7	773	7.2	1,260	7.1	2,067	7.1
46 - 50 YEARS	34	7.7	578	5.3	932	5.3	1,544	5.3
51 - 55 YEARS	20	4.6	433	4.0	639	3.6	1,092	3.8
56 - 60 YEARS	7	1.6	237	2.2	494	2.8	738	2.6
61 - 65 YEARS	3	0.7	151	1.4	261	1.5	415	1.4
66 YEARS AND OVER	13	3.0	327	3.0	495	2.8	835	2.9
UNKNOWN	7	-	466	-	2,879	-	3,352	-
TOTAL	446	100.0	11,281	100.0	20,580	100.0	32,307	100.0

TABLE 3.1.12

DRIVERS OF MOTORIZED VEHICLES SPEEDING IN 2002 MISSOURI CRASHES

DRIVER'S LICENSE STATE AND TYPE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MISSOURI								
LEARNER'S PERMIT	2	0.5	113	1.1	127	0.7	242	0.9
OPERATOR'S LICENSE	285	65.8	8,222	77.1	13,562	79.3	22,069	78.3
MOTORCYCLE ONLY	0	0.0	3	0.0	1	0.0	4	0.0
COMMERCIAL DRIVER'S LICENSE	32	7.4	457	4.3	755	4.4	1,244	4.4
SUBTOTAL	319	73.7	8,795	82.4	14,445	84.5	23,559	83.5
OUT STATE								
LEARNER'S PERMIT	1	0.2	5	0.1	2	0.0	8	0.0
OPERATOR'S LICENSE	30	6.9	943	8.8	1,606	9.4	2,579	9.2
MOTORCYCLE ONLY	0	0.0	1	0.0	0	0.0	1	0.0
COMMERCIAL DRIVER'S LICENSE	16	3.7	138	1.3	282	1.7	436	1.6
SUBTOTAL	47	10.9	1,087	10.2	1,890	11.1	3,024	10.7
UNLICENSED	67	15.5	788	7.4	762	4.5	1,617	5.7
UNKNOWN	13	-	611	-	3,483	-	4,107	-
TOTAL	446	100.0	11,281	100.0	20,580	100.0	32,307	100.0

TABLE 3.1.13

DRIVERS OF MOTORIZED VEHICLES SPEEDING IN 2002 MISSOURI CRASHES

TYPE OF VEHICLE DRIVEN BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AUTOMOBILE	212	47.6	6,468	57.4	12,178	60.2	18,858	59.0
SPORT UTILITY VEHICLE	46	10.3	1,283	11.4	2,291	11.3	3,620	11.3
LIMOUSINE	0	0.0	2	0.0	0	0.0	2	0.0
VAN	21	4.7	510	4.5	971	4.8	1,502	4.7
BUS	0	0.0	17	0.2	20	0.1	37	0.1
SCHOOL BUS	0	0.0	16	0.1	21	0.1	37	0.1
MOTORCYCLE	28	6.3	343	3.1	47	0.2	418	1.3
MOPED	0	0.0	3	0.0	0	0.0	3	0.0
MOTOR HOME / CAMPER	1	0.2	2	0.0	4	0.0	7	0.0
FARM EQUIPMENT	1	0.2	2	0.0	1	0.0	4	0.0
CONSTRUCTION EQUIPMENT	0	0.0	1	0.0	2	0.0	3	0.0
OTHER TRANSPORT DEVICE	2	0.5	5	0.0	11	0.1	18	0.1
PICKUP TRUCK	102	22.9	2,221	19.7	4,018	19.9	6,341	19.9
OTHER TRUCKS	25	5.6	347	3.1	658	3.3	1,030	3.2
ALL TERRAIN VEHICLE	7	1.6	44	0.4	10	0.1	61	0.2
UNKNOWN	1	-	17	-	348	-	366	-
TOTAL	446	100.0	11,281	100.0	20,580	100.0	32,307	100.0

TABLE 3.1.14

DRIVERS OF MOTORIZED VEHICLES SPEEDING IN 2002 MISSOURI CRASHES

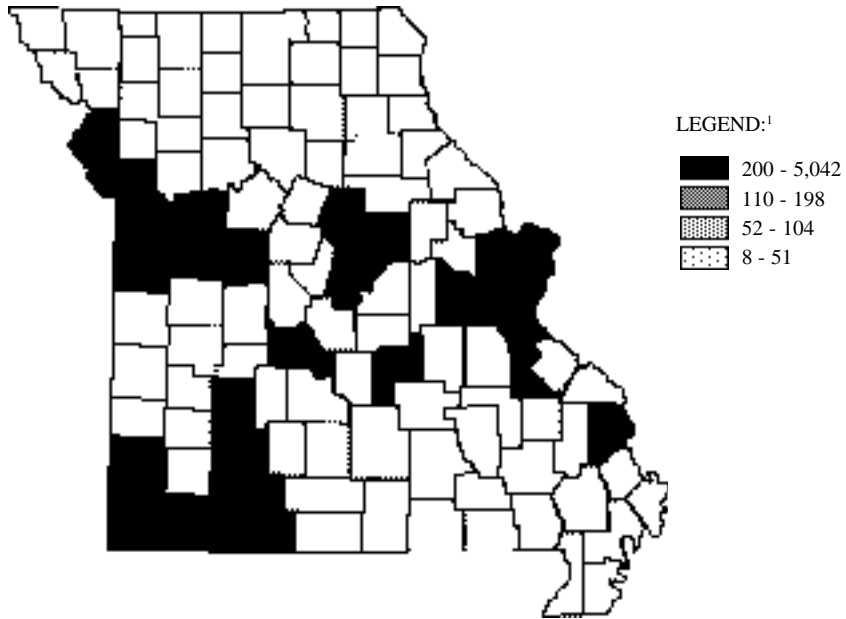
DRIVER INTOXICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRINKING	136	30.5	1,311	11.6	1,048	5.1	2,495	7.7
USING DRUGS	3	0.7	63	0.6	48	0.2	114	0.4
DRINKING AND USING DRUGS	7	1.6	70	0.6	53	0.3	130	0.4
NOT DRINKING OR USING DRUGS / USE UNKNOWN	300	67.3	9,837	87.2	19,431	94.4	29,568	91.5
TOTAL	446	100.0	11,281	100.0	20,580	100.0	32,307	100.0

TABLE 3.1.15

2002 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	5,042	16.0	22.0	CHRISTIAN	278	0.9
2.0	JACKSON	4,309	13.6	23.0	STONE	262	0.8
3.0	ST. LOUIS CITY	2,151	6.8	24.0	MC DONALD	247	0.8
4.0	ST. CHARLES	1,450	4.6	25.0	PETTIS	225	0.7
5.0	JEFFERSON	1,389	4.4	26.0	BARRY	221	0.7
6.0	GREENE	1,091	3.5	27.0	LAFAYETTE	218	0.7
7.0	CLAY	1,068	3.4	28.0	CAMDEN	215	0.7
8.0	FRANKLIN	770	2.4	29.0	POLK	200	0.6
9.0	BOONE	533	1.7				First Quartile
10.0	PLATTE	473	1.5				
11.0	TANEY	452	1.4				Second Quartile
12.0	JASPER	443	1.4	30.0	HOWELL	198	0.6
13.0	CAPE GIRARDEAU	432	1.4	31.0	LACLEDE	194	0.6
14.0	BUCHANAN	387	1.2	32.5	BUTLER	192	0.6
15.0	COLE	377	1.2	32.5	SCOTT	192	0.6
16.0	PHELPS	351	1.1	34.0	WARREN	187	0.6
17.0	CASS	349	1.1	35.0	PULASKI	176	0.6
18.0	JOHNSON	327	1.0	36.0	LAWRENCE	175	0.6
19.0	CALLAWAY	326	1.0	37.0	BENTON	171	0.5
20.0	NEWTON	313	1.0	38.0	MONTGOMERY	167	0.5
21.0	ST. FRANCOIS	305	1.0	39.0	WEBSTER	166	0.5

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
40.0	LINCOLN	161	0.5	79.0	ADAIR	60	0.2
41.0	MARION	156	0.5	79.0	HARRISON	60	0.2
42.0	CRAWFORD	146	0.5	79.0	PIKE	60	0.2
43.0	RANDOLPH	141	0.4	81.0	IRON	59	0.2
44.0	SALINE	140	0.4	82.0	BOLLINGER	58	0.2
45.0	MORGAN	139	0.4	83.0	HICKORY	57	0.2
46.0	PERRY	135	0.4	84.5	REYNOLDS	55	0.2
47.0	MILLER	133	0.4	84.5	ST. CLAIR	55	0.2
48.0	RAY	132	0.4	87.0	CARTER	52	0.2
49.0	STE. GENEVIEVE	131	0.4	87.0	LEWIS	52	0.2
50.5	DUNKLIN	129	0.4	87.0	OREGON	52	0.2
50.5	WASHINGTON	129	0.4				Third Quartile
52.0	VERNON	122	0.4				
53.0	TEXAS	120	0.4				Fourth Quartile
54.0	PEMISCOT	118	0.4	89.0	HOWARD	51	0.2
55.0	WAYNE	116	0.4	90.0	GRUNDY	49	0.2
56.0	COOPER	112	0.4	91.0	BARTON	47	0.1
57.5	NEW MADRID	110	0.3	92.0	CARROLL	46	0.1
57.5	STODDARD	110	0.3	94.5	DAVISS	45	0.1
			Second Quartile	94.5	MADISON	45	0.1
				94.5	MARIES	45	0.1
			Third Quartile	94.5	SHANNON	45	0.1
59.0	DENT	104	0.3	97.0	CALDWELL	43	0.1
60.0	HENRY	102	0.3	98.0	DE KALB	40	0.1
61.0	DALLAS	100	0.3	99.0	OZARK	39	0.1
62.5	AUDRAIN	99	0.3	100.0	HOLT	38	0.1
62.5	CLINTON	99	0.3	101.0	LINN	37	0.1
64.0	OSAGE	88	0.3	102.5	CLARK	33	0.1
65.0	BATES	87	0.3	102.5	MONROE	33	0.1
66.0	GASCONADE	84	0.3	104.5	DADE	32	0.1
67.0	WRIGHT	82	0.3	104.5	SULLIVAN	32	0.1
68.0	RALLS	80	0.3	106.0	ATCHISON	30	0.1
69.0	DOUGLAS	79	0.3	107.5	CHARITON	28	0.1
70.5	MONITEAU	77	0.2	107.5	MERCER	28	0.1
70.5	RIPLEY	77	0.2	109.0	KNOX	22	0.1
72.5	MACON	76	0.2	110.0	PUTNAM	19	0.1
72.5	MISSISSIPPI	76	0.2	111.0	GENTRY	18	0.1
74.0	ANDREW	72	0.2	112.0	SCOTLAND	16	0.1
75.0	LIVINGSTON	67	0.2	113.0	SHELBY	13	0.0
76.0	NODAWAY	66	0.2	114.0	SCHUYLER	11	0.0
77.0	CEDAR	63	0.2	115.0	WORTH	8	0.0

TABLE 3.1.16

2002 SPEED-INVOLVED CRASHES

CITY LISTING

RANK	CITY	FREQUENCY	PERCENT ¹
1.0	KANSAS CITY	3,348	19.3
2.0	ST. LOUIS	2,151	12.4
3.0	SPRINGFIELD	712	4.1
4.0	INDEPENDENCE	635	3.7
5.0	LEE'S SUMMIT	364	2.1
6.0	MARYLAND HEIGHTS	322	1.9
7.0	ST. JOSEPH	297	1.7
8.0	COLUMBIA	296	1.7
9.0	ST. CHARLES	283	1.6
10.5	O'FALLON	240	1.4
10.5	ST. PETERS	240	1.4
12.0	BRIDGETON	236	1.4
13.0	BLUE SPRINGS	231	1.3
14.0	JEFFERSON CITY	218	1.3
15.0	CHESTERFIELD	215	1.2
16.0	JOPLIN	204	1.2
17.0	FLORISSANT	192	1.1
18.0	HAZELWOOD	180	1.0
19.0	CAPE GIRARDEAU	175	1.0
20.0	BERKELEY	143	0.8
21.0	RICHMOND HEIGHTS	137	0.8
22.0	CREVE COEUR	132	0.8
23.0	OVERLAND	130	0.8
24.0	SUNSET HILLS	123	0.7
25.5	KIRKWOOD	121	0.7
25.5	TOWN AND COUNTRY	121	0.7
27.0	GLADSTONE	117	0.7
28.0	WILDWOOD	112	0.6
29.0	BALLWIN	111	0.6
30.0	FERGUSON	109	0.6
31.0	SEDALIA	106	0.6
32.0	UNIVERSITY CITY	104	0.6
33.0	ARNOLD	96	0.6
34.0	GRANDVIEW	91	0.5
35.0	HANNIBAL	87	0.5
36.0	LIBERTY	86	0.5
37.0	WENTZVILLE	85	0.5
38.0	RAYTOWN	84	0.5
39.0	WEBSTER GROVES	83	0.5
40.0	MANCHESTER	82	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**

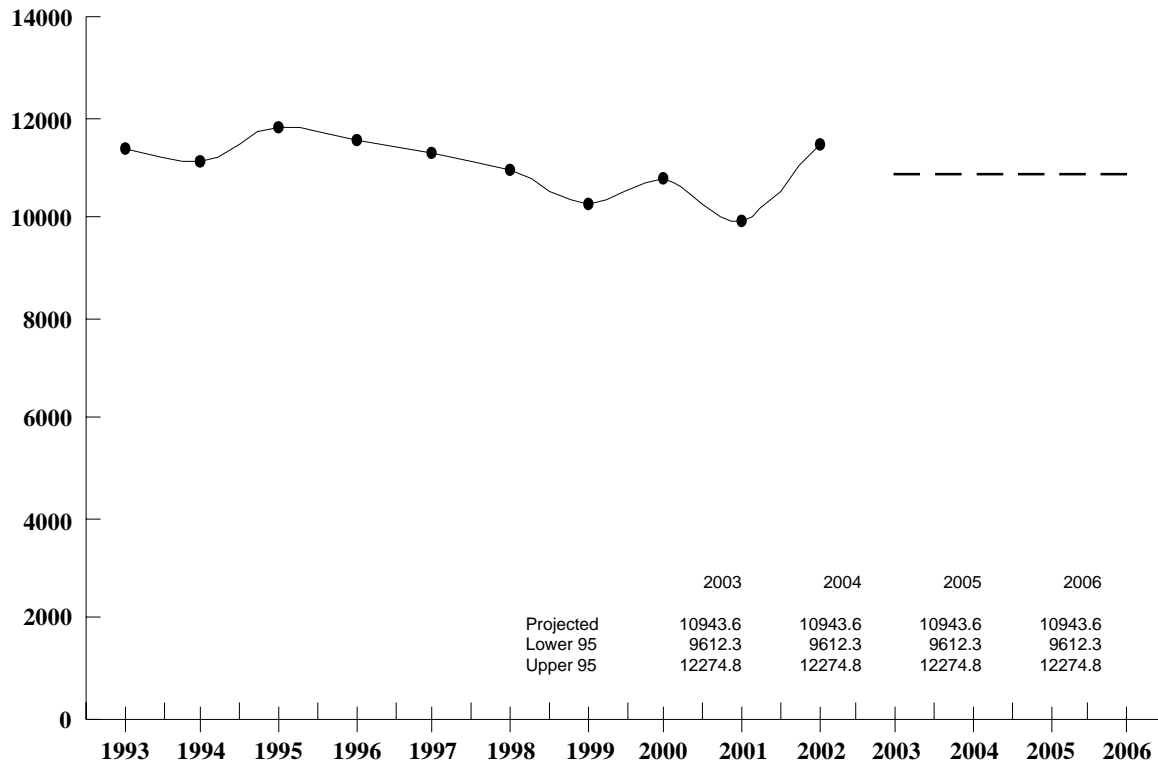


FIGURE 3.1.4

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 involved 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.

2002 SUMMARY ANALYSIS

- Of all 2002 Missouri traffic crashes, 4.7% were drinking related. Of all fatal traffic crashes, 25.2% were drinking related. A total of 292 persons were killed and 5,894 were injured in drinking-related traffic crashes.
- There was an increase of 1.0% in the rate of change when comparing total 2002 drinking-related traffic crashes with those in 2001. However, there was an increase of 11.6% when comparing 2002 fatal drinking-related traffic crashes with 2001.
- In 2002, one person was killed or injured in drinking-related traffic crashes every 1.4 hours in the State of Missouri.
- Of all drinking-related traffic crashes, 59.6% occurred on Friday, Saturday, or Sunday and 64.7% occurred between 7:00 P.M. and 2:59 A.M.
- Of the persons drinking in 2002 traffic crashes, 98.7% were driving a motorized vehicle, 0.1% were driving a non-motorized vehicle, and 1.2% were pedestrians.
- Of the drinking drivers of motorized vehicles, 80.4% were male and 19.6% were female. The average age of drinking drivers of motorized vehicles was 33.3 years.
- All of the drinking drivers of non-motorized vehicles were male. The average age was 38.8 years.
- Of the drinking pedestrians, 77.1% were male and 22.9% were female. The average age of drinking pedestrians was 37.1 years.
- Of the drinking drivers of motorized and non-motorized vehicles involved in 2002 crashes, 55.3% were driving an automobile, 27.7% were driving a pickup truck, and 10.0% were driving a sport utility vehicle at the time of the crash.

2002 MISSOURI TRAFFIC CRASHES

DRINKING INVOLVEMENT

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	TOTAL NUMBER¹ KILLED	INJURED	DRINKING DRIVERS / PEDESTRIANS² KILLED	INJURED
DRINKING INVOLVED	269	25.2	3,922	8.4	4,288	3.3	8,479	4.7	292	5,894	194	3,195
NO DRINKING INVOLVED	798	74.8	43,023	91.6	126,931	96.7	170,752	95.3	901	65,328	-	-
UNKNOWN ³	15	-	1,028	-	5,512	-	6,555	-	15	1,377	-	-
TOTAL	1,082	100.0	47,973	100.0	136,731	100.0	185,786	100.0	1,208	72,599	194	3,195

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

2001 and 2002 DRINKING-INVOLVED CRASH ANALYSIS

	2001	2002	RATE OF CHANGE
FATAL	241	269	+ 11.6
PERSONAL INJURY	3,925	3,922	- 0.1
PROPERTY DAMAGE	4,228	4,288	+ 1.4
TOTAL	8,394	8,479	+ 1.0

TABLE 3.2.2

2002 DRINKING-INVOLVED CRASHES

CRASH TYPE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
ANIMAL	0	0.0	2	0.1	7	0.2	9	0.1
BICYCLIST	3	1.1	13	0.3	0	0.0	16	0.2
FIXED OBJECT	141	52.4	2,075	52.9	2,046	47.7	4,262	50.3
OTHER OBJECT	1	0.4	21	0.5	37	0.9	59	0.7
PEDESTRIAN	24	8.9	115	2.9	1	0.0	140	1.7
TRAIN	0	0.0	4	0.1	2	0.1	6	0.1
VEHICLE IN TRANSPORT	61	22.7	1,164	29.7	1,409	32.9	2,634	31.1
VEHICLE ON OTHER ROADWAY	1	0.4	6	0.2	9	0.2	16	0.2
PARKED VEHICLE	1	0.4	168	4.3	612	14.3	781	9.2
NONCOLLISION OVERTURN	35	13.0	325	8.3	137	3.2	497	5.9
NONCOLLISION OTHER	2	0.7	29	0.7	28	0.7	59	0.7
TOTAL	269	100.0	3,922	100.0	4,288	100.0	8,479	100.0

TABLE 3.2.3

2002 DRINKING-INVOLVED CRASHES

AREA CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
URBAN	64	23.8	1,529	39.0	2,314	54.0	3,907	46.1
RURAL	205	76.2	2,393	61.0	1,974	46.0	4,572	53.9
TOTAL	269	100.0	3,922	100.0	4,288	100.0	8,479	100.0

TABLE 3.2.4

2002 DRINKING-INVOLVED CRASHES

ROAD CURVATURE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
STRAIGHT	147	54.7	2,613	66.8	3,262	77.0	6,022	71.5
CURVE	122	45.3	1,300	33.2	974	23.0	2,396	28.5
UNKNOWN	0	-	9	-	52	-	61	-
TOTAL	269	100.0	3,922	100.0	4,288	100.0	8,479	100.0

TABLE 3.2.5

2002 DRINKING-INVOLVED CRASHES

ROAD INCLINE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
LEVEL	106	39.4	2,352	60.3	2,826	67.0	5,284	63.0
HILL	152	56.5	1,430	36.7	1,256	29.8	2,838	33.9
CREST	11	4.1	116	3.0	136	3.2	263	3.1
UNKNOWN	0	-	24	-	70	-	94	-
TOTAL	269	100.0	3,922	100.0	4,288	100.0	8,479	100.0

TABLE 3.2.6

2002 DRINKING-INVOLVED CRASHES

ROAD CONDITIONS BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRY	230	85.8	3,356	85.9	3,499	82.0	7,085	83.9
WET	34	12.7	477	12.2	659	15.5	1,170	13.9
SNOW	1	0.4	32	0.8	64	1.5	97	1.2
ICE	3	1.1	36	0.9	27	0.6	66	0.8
SLUSH	0	0.0	6	0.2	11	0.3	17	0.2
MUD	0	0.0	0	0.0	3	0.1	3	0.0
STANDING WATER	0	0.0	1	0.0	2	0.1	3	0.0
MOVING WATER	0	0.0	0	0.0	1	0.0	1	0.0
UNKNOWN	1	-	14	-	22	-	37	-
TOTAL	269	100.0	3,922	100.0	4,288	100.0	8,479	100.0

TABLE 3.2.7

2002 DRINKING-INVOLVED CRASHES

HIGHWAY CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	36	13.4	313	8.0	320	7.5	669	7.9
U.S. HIGHWAY	38	14.1	396	10.1	332	7.7	766	9.0
STATE NUMBERED	74	27.5	656	16.7	577	13.5	1,307	15.4
SINGLE STATE LETTERED	37	13.8	499	12.7	319	7.4	855	10.1
DOUBLE STATE LETTERED	13	4.8	217	5.5	138	3.2	368	4.3
OUTER ROAD	1	0.4	35	0.9	38	0.9	74	0.9
COUNTY ROAD	41	15.2	654	16.7	628	14.7	1,323	15.6
CITY STREET	27	10.0	1,072	27.3	1,764	41.1	2,863	33.8
INTERSTATE LOOP	1	0.4	16	0.4	20	0.5	37	0.4
OTHER ¹	1	0.4	64	1.6	152	3.5	217	2.6
TOTAL	269	100.0	3,922	100.0	4,288	100.0	8,479	100.0

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

TABLE 3.2.8

2002 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	16	25.0	165	10.8	197	8.5	378	9.7	20	9.8	148	6.2	123	6.2	291	6.4
U.S. HIGHWAY	13	20.3	119	7.8	117	5.1	249	6.4	25	12.2	277	11.6	215	10.9	517	11.3
STATE NUMBERED	9	14.1	136	8.9	187	8.1	332	8.5	65	31.7	520	21.7	390	19.8	975	21.3
SINGLE STATE LETTERED	0	0.0	29	1.9	46	2.0	75	1.9	37	18.1	470	19.6	273	13.8	780	17.1
DOUBLE STATE LETTERED	0	0.0	21	1.4	10	0.4	31	0.8	13	6.3	196	8.2	128	6.5	337	7.4
OUTER ROAD	0	0.0	15	1.0	22	1.0	37	1.0	1	0.5	20	0.8	16	0.8	37	0.8
COUNTY ROAD	2	3.1	36	2.4	65	2.8	103	2.6	39	19.0	618	25.8	563	28.5	1,220	26.7
CITY STREET	23	35.9	949	62.1	1,542	66.6	2,514	64.4	4	2.0	123	5.1	222	11.3	349	7.6
INTERSTATE LOOP	1	1.6	14	0.9	17	0.7	32	0.8	0	0.0	2	0.1	3	0.2	5	0.1
OTHER ¹	0	0.0	45	2.9	111	4.8	156	4.0	1	0.5	19	0.8	41	2.1	61	1.3
TOTAL	64	100.0	1,529	100.0	2,314	100.0	3,907	100.0	205	100.0	2,393	100.0	1,974	100.0	4,572	100.0

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

TABLE 3.2.9

**2002 MISSOURI DRINKING-INVOLVED CRASHES
MONTH OF YEAR**

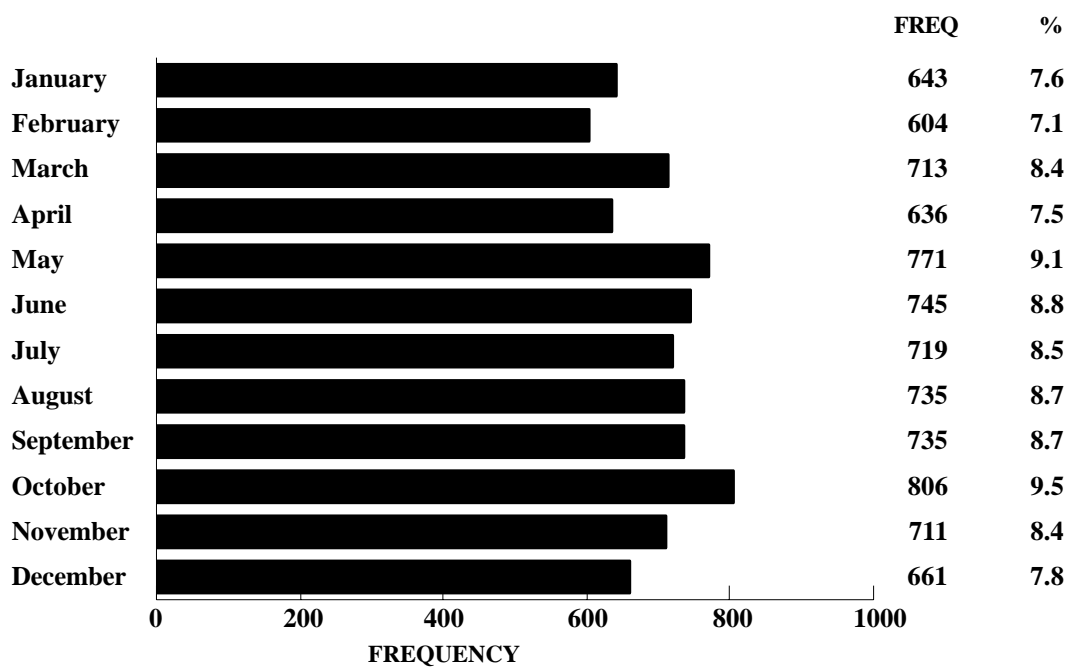
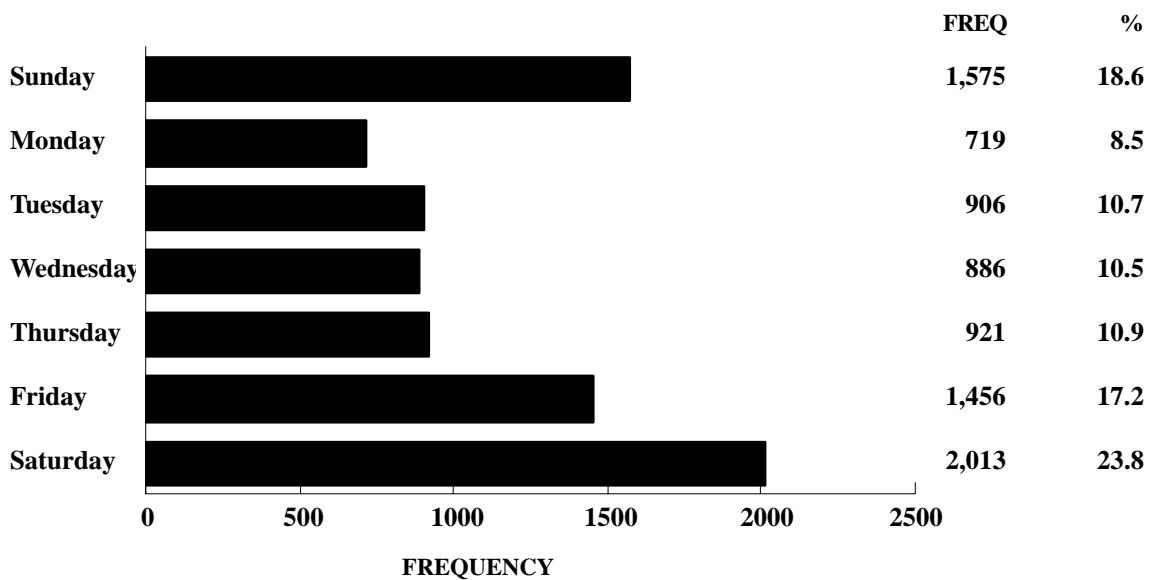


FIGURE 3.2.1

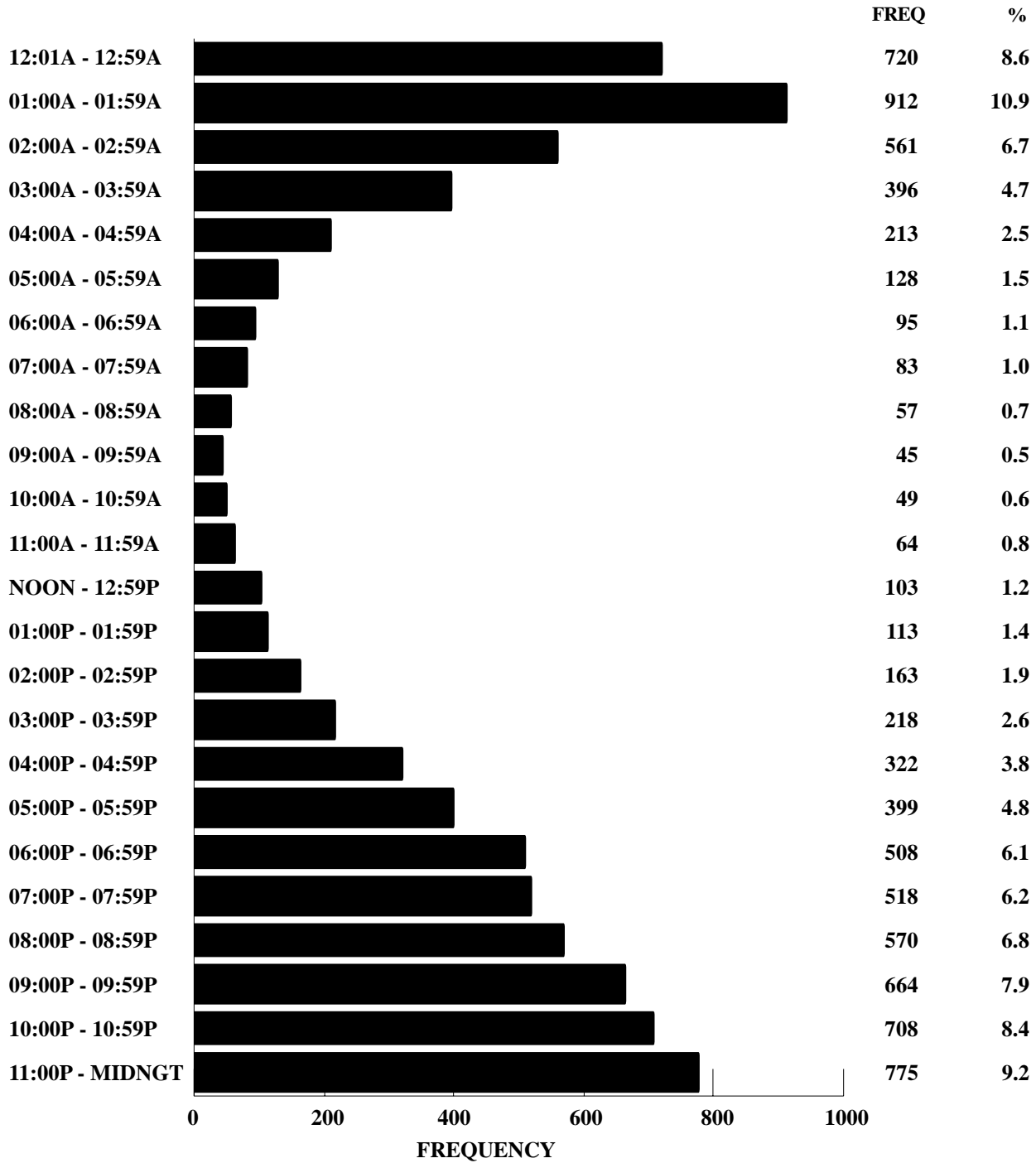
**2002 MISSOURI DRINKING-INVOLVED CRASHES
DAY OF WEEK**



Unknown Data Not Included

FIGURE 3.2.2

**2002 MISSOURI DRINKING-INVOLVED CRASHES
 HOUR OF DAY**



Unknown Data Not Included

FIGURE 3.2.3

PERSONS DRINKING IN 2002 MISSOURI CRASHES

PERSON TYPE AND SEX BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MALE								
DRIVERS MOTORIZED VEHICLES	210	77.2	3,063	77.4	3,172	73.9	6,445	75.6
DRIVERS NON-MOTORIZED VEHICLES	2	0.7	8	0.2	0	0.0	10	0.1
PEDESTRIANS	13	4.8	68	1.7	0	0.0	81	1.0
FEMALE								
DRIVERS MOTORIZED VEHICLES	38	14.0	746	18.8	785	18.3	1,569	18.4
DRIVERS NON-MOTORIZED VEHICLES	0	0.0	0	0.0	0	0.0	0	0.0
PEDESTRIANS	7	2.6	17	0.4	0	0.0	24	0.3
SEX UNKNOWN								
DRIVERS MOTORIZED VEHICLES	2	0.7	56	1.4	337	7.8	395	4.6
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	272	100.0	3,958	100.0	4,294	100.0	8,524	100.0

TABLE 3.2.10

DRIVERS OF MOTORIZED VEHICLES DRINKING IN 2002 MISSOURI CRASHES

AGE OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AVERAGE AGE OF DRIVER	33.2	-	33.0	-	33.6	-	33.3	-
14 YEARS AND UNDER	0	0.0	0	0.0	2	0.1	2	0.0
15 - 20 YEARS	34	13.7	561	14.8	596	15.1	1,191	14.9
21 - 25 YEARS	56	22.6	767	20.2	789	19.9	1,612	20.2
26 - 30 YEARS	29	11.7	505	13.3	461	11.7	995	12.5
31 - 35 YEARS	27	10.9	451	11.9	457	11.6	935	11.7
36 - 40 YEARS	33	13.3	478	12.6	498	12.6	1,009	12.6
41 - 45 YEARS	29	11.7	465	12.3	457	11.6	951	11.9
46 - 50 YEARS	16	6.5	267	7.0	302	7.6	585	7.3
51 - 55 YEARS	12	4.8	145	3.8	183	4.6	340	4.3
56 - 60 YEARS	6	2.4	67	1.8	96	2.4	169	2.1
61 - 65 YEARS	2	0.8	41	1.1	61	1.5	104	1.3
66 YEARS AND OVER	4	1.6	44	1.2	54	1.4	102	1.3
UNKNOWN	2	-	74	-	338	-	414	-
TOTAL	250	100.0	3,865	100.0	4,294	100.0	8,409	100.0

TABLE 3.2.11

DRIVERS OF NON-MOTORIZED VEHICLES DRINKING IN 2002 MISSOURI CRASHES

AGE OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AVERAGE AGE OF DRIVER	46.0	-	37.0	-	0.0	-	38.8	-
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	0	0.0	0	0.0
21 - 25 YEARS	0	0.0	1	12.5	0	0.0	1	10.0
26 - 30 YEARS	0	0.0	1	12.5	0	0.0	1	10.0
31 - 35 YEARS	0	0.0	1	12.5	0	0.0	1	10.0
36 - 40 YEARS	1	50.0	2	25.0	0	0.0	3	30.0
41 - 45 YEARS	0	0.0	2	25.0	0	0.0	2	20.0
46 - 50 YEARS	0	0.0	0	0.0	0	0.0	0	0.0
51 - 55 YEARS	0	0.0	1	12.5	0	0.0	1	10.0
56 - 60 YEARS	1	50.0	0	0.0	0	0.0	1	10.0
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	2	100.0	8	100.0	0	0.0	10	100.0

TABLE 3.2.12

PEDESTRIANS DRINKING IN 2002 MISSOURI CRASHES

AGE OF PEDESTRIAN BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AVERAGE AGE OF PEDESTRIAN	39.4	-	36.6	-	0.0	-	37.1	-
14 YEARS AND UNDER	0	0.0	2	2.4	0	0.0	2	1.9
15 - 20 YEARS	0	0.0	13	15.7	0	0.0	13	12.6
21 - 25 YEARS	3	15.0	8	9.6	0	0.0	11	10.7
26 - 30 YEARS	2	10.0	6	7.2	0	0.0	8	7.8
31 - 35 YEARS	4	20.0	10	12.1	0	0.0	14	13.6
36 - 40 YEARS	3	15.0	10	12.1	0	0.0	13	12.6
41 - 45 YEARS	2	10.0	6	7.2	0	0.0	8	7.8
46 - 50 YEARS	2	10.0	13	15.7	0	0.0	15	14.6
51 - 55 YEARS	2	10.0	9	10.8	0	0.0	11	10.7
56 - 60 YEARS	1	5.0	3	3.6	0	0.0	4	3.9
61 - 65 YEARS	1	5.0	1	1.2	0	0.0	2	1.9
66 YEARS AND OVER	0	0.0	2	2.4	0	0.0	2	1.9
UNKNOWN	0	-	2	-	0	-	2	-
TOTAL	20	100.0	85	100.0	0	0.0	105	100.0

TABLE 3.2.13

DRIVERS OF MOTORIZED AND NON-MOTORIZED VEHICLES DRINKING IN 2002 MISSOURI CRASHES

TYPE OF VEHICLE DRIVEN BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AUTOMOBILE	104	41.3	2,068	53.4	2,463	57.8	4,635	55.3
SPORT UTILITY VEHICLE	26	10.3	402	10.4	407	9.6	835	10.0
LIMOUSINE	0	0.0	0	0.0	1	0.0	1	0.0
VAN	10	4.0	144	3.7	192	4.5	346	4.1
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	15	6.0	96	2.5	15	0.4	126	1.5
MOPED	0	0.0	2	0.1	0	0.0	2	0.0
BICYCLE	2	0.8	8	0.2	0	0.0	10	0.1
MOTOR HOME / CAMPER	1	0.4	0	0.0	3	0.1	4	0.1
FARM EQUIPMENT	0	0.0	1	0.0	1	0.0	2	0.0
CONSTRUCTION EQUIPMENT	0	0.0	0	0.0	0	0.0	0	0.0
OTHER TRANSPORT DEVICE	2	0.8	1	0.0	3	0.1	6	0.1
PICKUP TRUCK	86	34.1	1,101	28.5	1,137	26.7	2,324	27.7
OTHER TRUCKS	3	1.2	21	0.5	35	0.8	59	0.7
ALL TERRAIN VEHICLE	3	1.2	25	0.7	4	0.1	32	0.4
UNKNOWN	0	-	3	-	32	-	35	-
TOTAL	252	100.0	3,873	100.0	4,294	100.0	8,419	100.0

TABLE 3.2.14

DRIVERS OF MOTORIZED VEHICLES DRINKING IN 2002 MISSOURI CRASHES

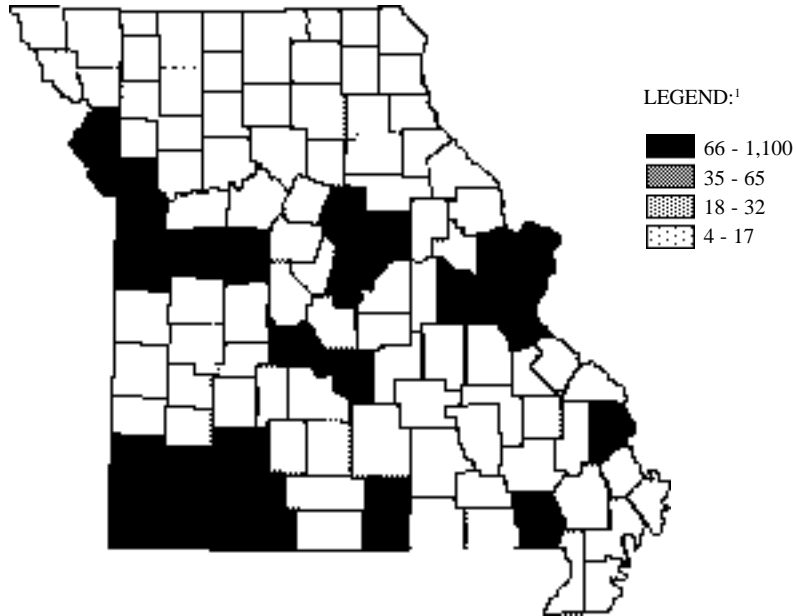
DRIVER'S LICENSE STATE AND TYPE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MISSOURI								
LEARNER'S PERMIT	0	0.0	24	0.7	14	0.4	38	0.5
OPERATOR'S LICENSE	154	62.9	2,586	69.7	2,798	72.5	5,538	70.9
MOTORCYCLE ONLY	0	0.0	0	0.0	1	0.0	1	0.0
COMMERCIAL DRIVER'S LICENSE	16	6.5	140	3.8	155	4.0	311	4.0
SUBTOTAL	170	69.4	2,750	74.1	2,968	76.9	5,888	75.4
OUT STATE								
LEARNER'S PERMIT	0	0.0	0	0.0	1	0.0	1	0.0
OPERATOR'S LICENSE	14	5.7	272	7.3	269	7.0	555	7.1
MOTORCYCLE ONLY	0	0.0	0	0.0	0	0.0	0	0.0
COMMERCIAL DRIVER'S LICENSE	4	1.6	27	0.7	18	0.5	49	0.6
SUBTOTAL	18	7.3	299	8.1	288	7.5	605	7.7
UNLICENSED	57	23.3	662	17.8	602	15.6	1,321	16.9
UNKNOWN	5	-	154	-	436	-	595	-
TOTAL	250	100.0	3,865	100.0	4,294	100.0	8,409	100.0

TABLE 3.2.15

2002 DRINKING-INVOLVED CRASHES

COUNTY QUARTILE ANALYSIS



¹ LEGEND CATEGORIES ARE BASED ON QUARTILES OF COUNTIES.

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
1.0	JACKSON	1,100	13.0	22.0	BUTLER	82	1.0
2.0	ST. LOUIS	1,072	12.6	23.0	CASS	80	0.9
3.5	GREENE	373	4.4	24.0	PETTIS	75	0.9
3.5	JEFFERSON	373	4.4	25.0	CALLAWAY	71	0.8
5.0	ST. CHARLES	345	4.1	26.0	STONE	70	0.8
6.0	ST. LOUIS CITY	281	3.3	27.0	LAWRENCE	68	0.8
7.0	CLAY	244	2.9	28.0	HOWELL	67	0.8
8.0	BOONE	238	2.8	29.0	PULASKI	66	0.8
9.0	JASPER	177	2.1				
10.0	FRANKLIN	170	2.0				First Quartile
11.0	BUCHANAN	165	1.9				Second Quartile
12.0	TANEY	149	1.8	30.0	MARION	65	0.8
13.0	PLATTE	112	1.3	31.0	PHELPS	63	0.7
14.0	COLE	103	1.2	32.5	LACLEDE	61	0.7
15.0	CAPE GIRARDEAU	102	1.2	32.5	ST. FRANCOIS	61	0.7
16.0	BARRY	95	1.1	34.0	SCOTT	60	0.7
17.0	JOHNSON	92	1.1	35.0	CRAWFORD	58	0.7
18.0	NEWTON	91	1.1	36.0	LAFAYETTE	57	0.7
19.0	MC DONALD	89	1.0	37.5	PEMISCOT	54	0.6
20.0	CAMDEN	87	1.0	37.5	STODDARD	54	0.6
21.0	CHRISTIAN	83	1.0	39.0	DUNKLIN	53	0.6

2002 DRINKING-INVOLVED CRASHES

CITY LISTING

RANK	CITY	FREQUENCY	PERCENT ¹
1.0	KANSAS CITY	765	17.4
2.0	ST. LOUIS	281	6.4
3.0	SPRINGFIELD	274	6.2
4.0	INDEPENDENCE	201	4.6
5.0	COLUMBIA	150	3.4
6.0	ST. JOSEPH	135	3.1
7.0	ST. CHARLES	110	2.5
8.0	JOPLIN	95	2.2
9.0	LEE'S SUMMIT	82	1.9
10.0	MARYLAND HEIGHTS	76	1.7
11.0	JEFFERSON CITY	64	1.5
12.0	CAPE GIRARDEAU	52	1.2
13.0	FLORISSANT	51	1.2
14.0	ST. PETERS	50	1.1
15.5	BLUE SPRINGS	47	1.1
15.5	O'FALLON	47	1.1
17.0	CHESTERFIELD	46	1.0
18.5	BRIDGETON	45	1.0
18.5	SEDALIA	45	1.0
20.5	HANNIBAL	38	0.9
20.5	RAYTOWN	38	0.9
22.0	CREVE COEUR	36	0.8
23.0	OVERLAND	34	0.8
24.0	GRANDVIEW	31	0.7
25.5	ARNOLD	28	0.6
25.5	SUNSET HILLS	28	0.6
28.0	LIBERTY	27	0.6
28.0	ROLLA	27	0.6
28.0	WARRENSBURG	27	0.6
31.0	GLADSTONE	26	0.6
31.0	HAZELWOOD	26	0.6
31.0	OSAGE BEACH	26	0.6
33.0	WASHINGTON	24	0.5
34.5	TOWN AND COUNTRY	23	0.5
34.5	UNIVERSITY CITY	23	0.5
37.5	EXCELSIOR SPRINGS	22	0.5
37.5	KIRKWOOD	22	0.5
37.5	ST. ANN	22	0.5
37.5	WEST PLAINS	22	0.5
40.0	LEBANON	21	0.5
41.5	BRANSON	20	0.5
41.5	JENNINGS	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**

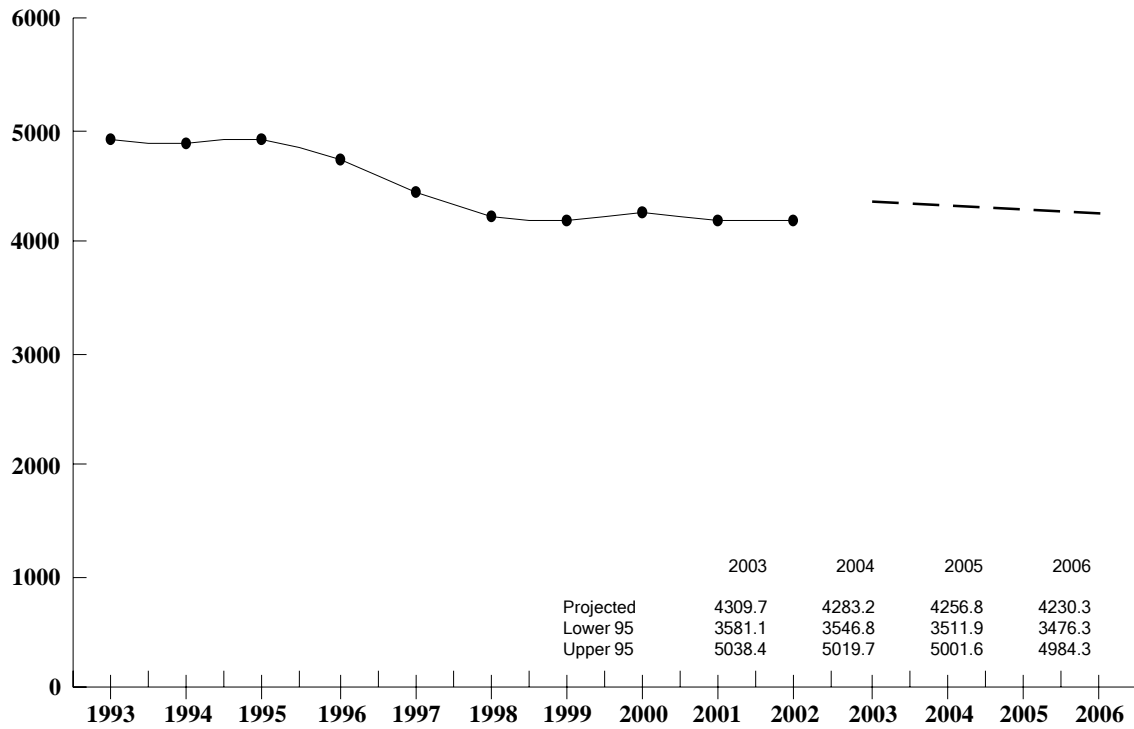


FIGURE 3.2.4

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.

2002 SUMMARY ANALYSIS

- Of all 2002 Missouri traffic crashes, 31.0% involved a young driver. Of all fatal traffic crashes, 24.5% involved a young driver. A total of 294 persons were killed and 23,468 were injured in traffic crashes involving young drivers.
- There was a decrease of 1.7% in the rate of change when comparing 2002 young driver traffic crashes with those in 2001. There was an increase of 13.0% when comparing 2002 fatal young driver traffic crashes with 2001.
- In 2002, one person was killed or injured in young driver related traffic crashes every 22.1 minutes in the State of Missouri.
- Of all young driver related traffic crashes, the first harmful event in 75.1% of the incidents involved one motor vehicle in transport striking another motor vehicle in transport. In 16.5% of the cases, the first harmful event involved one motor vehicle striking a fixed object. In young driver fatal traffic crashes, 33.5% of the cases involved a motor vehicle striking a fixed object.
- Of all 2002 young driver crashes, 64.3% occurred in an urban area and 35.7% occurred in a rural area of the State. However, 76.1% of the fatal young driver crashes occurred in a rural area.
- Of all young driver traffic crashes, 33.0% occurred on Friday or Saturday.
- Of all young drivers involved in traffic crashes, 55.2% were male and 44.8% were female. Of those young drivers involved in fatal traffic crashes, 70.9% were male. The average age of young drivers (20 years and under) was 17.9 years.
- Of the young drivers, 91.5% had a Missouri driver's license / permit, 5.5% had an out-of-state driver's license, and 3.0% were unlicensed at the time of the crash.
- Of the young drivers, 73.2% were driving an automobile and 14.6% were driving a pickup truck at the time of the crash.
- In 42.3% of the 2002 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 13.1% of these fatal crashes, the young driver's drinking condition contributed to the cause of the crash.

2002 MISSOURI TRAFFIC CRASHES

YOUNG DRIVER INVOLVEMENT

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	TOTAL NUMBER¹ KILLED	INJURED	YOUNG DRIVERS² KILLED	INJURED
YOUNG DRIVER INVOLVED	260	24.5	14,592	32.1	35,119	30.6	49,971	31.0	294	23,468	135	9,442
NO YOUNG DRIVER INVOLVED	803	75.5	30,909	67.9	79,645	69.4	111,357	69.0	894	45,893	-	-
UNKNOWN ³	19	-	2,472	-	21,967	-	24,458	-	20	3,238	-	-
TOTAL	1,082	100.0	47,973	100.0	136,731	100.0	185,786	100.0	1,208	72,599	135	9,442

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

2001 and 2002 YOUNG DRIVER INVOLVED CRASH ANALYSIS

	2001	2002	RATE OF CHANGE
FATAL	230	260	+ 13.0
PERSONAL INJURY	14,741	14,592	- 1.0
PROPERTY DAMAGE	35,847	35,119	- 2.0
TOTAL	50,818	49,971	- 1.7

TABLE 3.3.2

2002 YOUNG DRIVER INVOLVED CRASHES

CRASH TYPE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
ANIMAL	1	0.4	72	0.5	524	1.5	597	1.2
BICYCLIST	3	1.2	87	0.6	15	0.0	105	0.2
FIXED OBJECT	87	33.5	3,241	22.2	4,939	14.1	8,267	16.5
OTHER OBJECT	1	0.4	47	0.3	210	0.6	258	0.5
PEDESTRIAN	15	5.8	177	1.2	6	0.0	198	0.4
TRAIN	1	0.4	3	0.0	3	0.0	7	0.0
VEHICLE IN TRANSPORT	115	44.2	10,092	69.2	27,295	77.7	37,502	75.1
VEHICLE ON OTHER ROADWAY	6	2.3	31	0.2	84	0.2	121	0.2
PARKED VEHICLE	3	1.2	183	1.3	1,523	4.3	1,709	3.4
NONCOLLISION OVERTURN	24	9.2	582	4.0	371	1.1	977	2.0
NONCOLLISION OTHER	4	1.5	77	0.5	149	0.4	230	0.5
TOTAL	260	100.0	14,592	100.0	35,119	100.0	49,971	100.0

TABLE 3.3.3

2002 YOUNG DRIVER INVOLVED CRASHES

AREA CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
URBAN	62	23.9	8,542	58.5	23,530	67.0	32,134	64.3
RURAL	198	76.1	6,050	41.5	11,589	33.0	17,837	35.7
TOTAL	260	100.0	14,592	100.0	35,119	100.0	49,971	100.0

TABLE 3.3.4

2002 YOUNG DRIVER INVOLVED CRASHES

ROAD CURVATURE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
STRAIGHT	183	70.4	11,755	81.1	28,915	86.0	40,853	84.5
CURVE	77	29.6	2,746	18.9	4,697	14.0	7,520	15.5
UNKNOWN	0	-	91	-	1,507	-	1,598	-
TOTAL	260	100.0	14,592	100.0	35,119	100.0	49,971	100.0

TABLE 3.3.5

2002 YOUNG DRIVER INVOLVED CRASHES

ROAD INCLINE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
LEVEL	110	42.5	9,302	64.4	23,763	71.2	33,175	69.0
HILL	133	51.3	4,583	31.7	8,627	25.8	13,343	27.7
CREST	16	6.2	554	3.8	998	3.0	1,568	3.3
UNKNOWN	1	-	153	-	1,731	-	1,885	-
TOTAL	260	100.0	14,592	100.0	35,119	100.0	49,971	100.0

TABLE 3.3.6

2002 YOUNG DRIVER INVOLVED CRASHES

ROAD CONDITIONS BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRY	227	87.3	11,517	79.3	27,066	77.5	38,810	78.1
WET	28	10.8	2,550	17.6	6,458	18.5	9,036	18.2
SNOW	1	0.4	265	1.8	863	2.5	1,129	2.3
ICE	4	1.5	153	1.1	412	1.2	569	1.2
SLUSH	0	0.0	27	0.2	71	0.2	98	0.2
MUD	0	0.0	5	0.0	10	0.0	15	0.0
STANDING WATER	0	0.0	11	0.1	17	0.1	28	0.1
MOVING WATER	0	0.0	0	0.0	7	0.0	7	0.0
UNKNOWN	0	-	64	-	215	-	279	-
TOTAL	260	100.0	14,592	100.0	35,119	100.0	49,971	100.0

TABLE 3.3.7

2002 YOUNG DRIVER INVOLVED CRASHES

HIGHWAY CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	28	10.8	1,013	6.9	2,502	7.1	3,543	7.1
U.S. HIGHWAY	42	16.2	1,576	10.8	3,321	9.5	4,939	9.9
STATE NUMBERED	50	19.2	2,648	18.2	5,608	16.0	8,306	16.6
SINGLE STATE LETTERED	49	18.9	1,187	8.1	1,861	5.3	3,097	6.2
DOUBLE STATE LETTERED	14	5.4	503	3.5	841	2.4	1,358	2.7
OUTER ROAD	0	0.0	126	0.9	299	0.9	425	0.9
COUNTY ROAD	41	15.8	1,796	12.3	3,584	10.2	5,421	10.9
CITY STREET	35	13.5	5,238	35.9	15,516	44.2	20,789	41.6
INTERSTATE LOOP	0	0.0	83	0.6	227	0.7	310	0.6
OTHER ¹	1	0.4	422	2.9	1,360	3.9	1,783	3.6
TOTAL	260	100.0	14,592	100.0	35,119	100.0	49,971	100.0

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

TABLE 3.3.8

2002 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	12	19.4	662	7.8	1,700	7.2	2,374	7.4	16	8.1	351	5.8	802	6.9	1,169	6.6
U.S. HIGHWAY	7	11.3	726	8.5	1,790	7.6	2,523	7.9	35	17.7	850	14.1	1,531	13.2	2,416	13.5
STATE NUMBERED	7	11.3	1,206	14.1	3,012	12.8	4,225	13.2	43	21.7	1,442	23.8	2,596	22.4	4,081	22.9
SINGLE STATE LETTERED	4	6.5	252	3.0	552	2.4	808	2.5	45	22.7	935	15.5	1,309	11.3	2,289	12.8
DOUBLE STATE LETTERED	1	1.6	123	1.4	294	1.3	418	1.3	13	6.6	380	6.3	547	4.7	940	5.3
OUTER ROAD	0	0.0	84	1.0	232	1.0	316	1.0	0	0.0	42	0.7	67	0.6	109	0.6
COUNTY ROAD	1	1.6	273	3.2	833	3.5	1,107	3.5	40	20.2	1,523	25.2	2,751	23.7	4,314	24.2
CITY STREET	29	46.8	4,815	56.4	13,888	59.0	18,732	58.3	6	3.0	423	7.0	1,628	14.0	2,057	11.5
INTERSTATE LOOP	0	0.0	71	0.8	183	0.8	254	0.8	0	0.0	12	0.2	44	0.4	56	0.3
OTHER ¹	1	1.6	330	3.9	1,046	4.5	1,377	4.3	0	0.0	92	1.5	314	2.7	406	2.3
TOTAL	62	100.0	8,542	100.0	23,530	100.0	32,134	100.0	198	100.0	6,050	100.0	11,589	100.0	17,837	100.0

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

TABLE 3.3.9

**2002 MISSOURI YOUNG DRIVER INVOLVED CRASHES
MONTH OF YEAR**

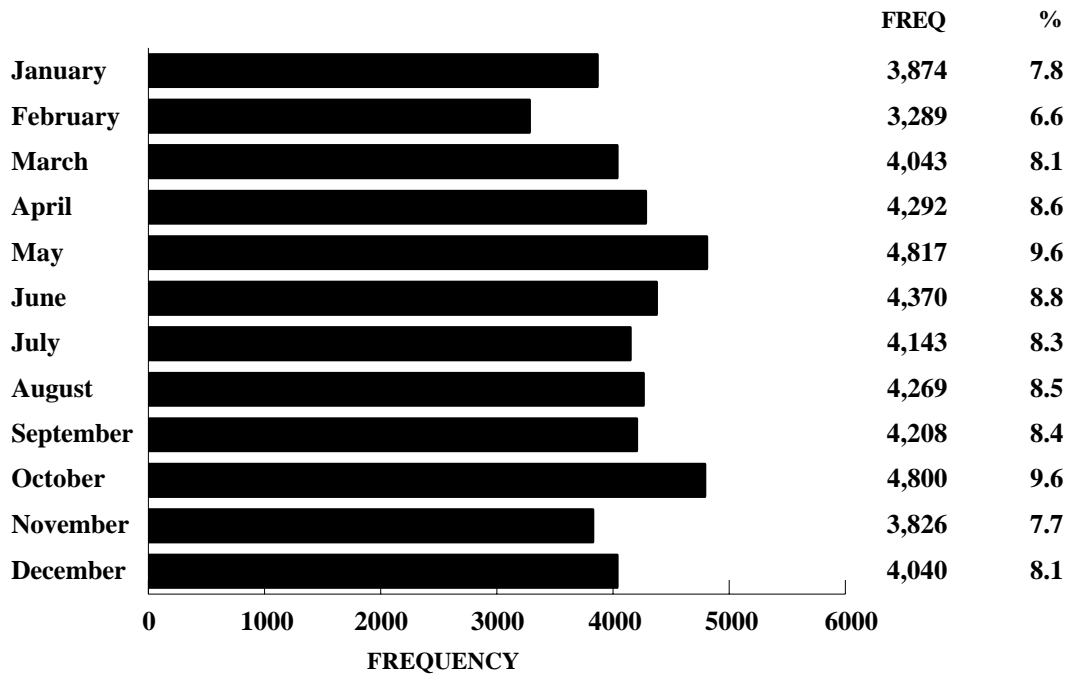
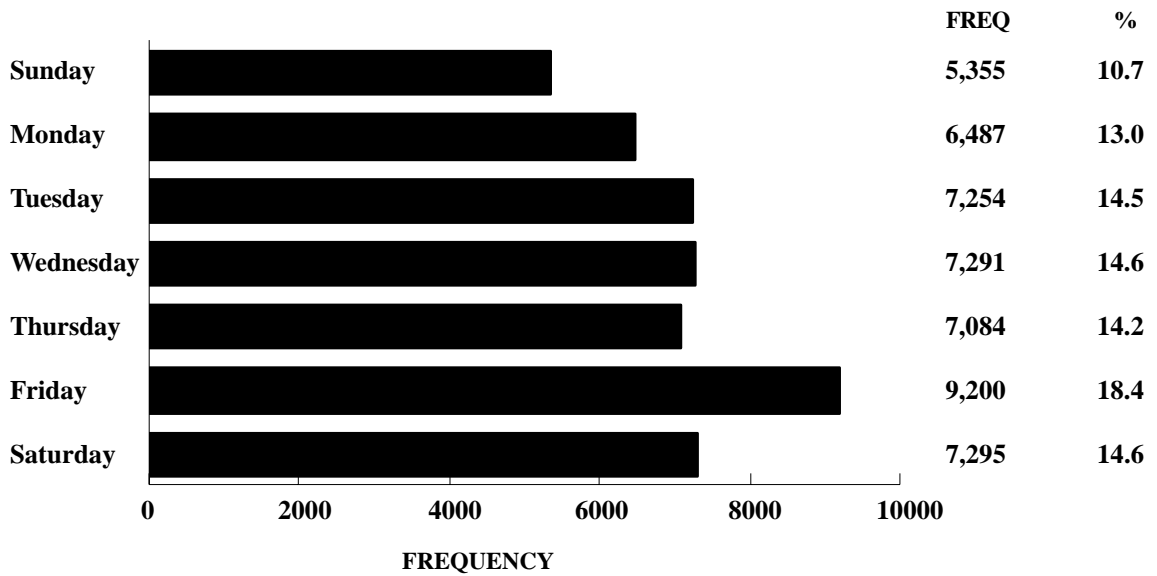


FIGURE 3.3.1

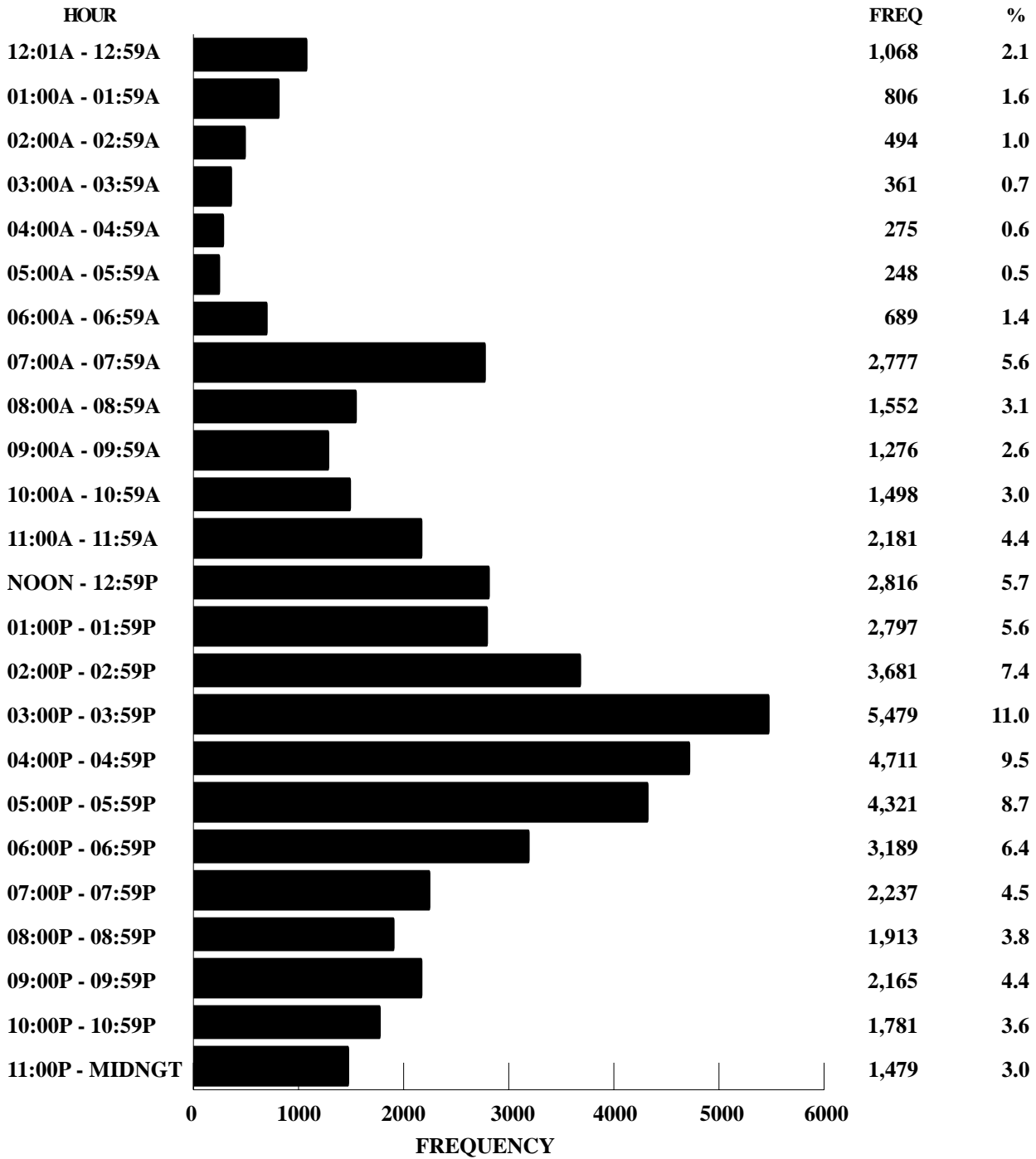
**2002 MISSOURI YOUNG DRIVER INVOLVED CRASHES
DAY OF WEEK**



Unknown Data Not Included

FIGURE 3.3.2

**2002 MISSOURI YOUNG DRIVER INVOLVED CRASHES
HOUR OF DAY**



Unknown Data Not Included

FIGURE 3.3.3

2002 MISSOURI YOUNG DRIVER CRASHES

TYPE OF CIRCUMSTANCE INVOLVED BY CRASH SEVERITY AND PERSON CLASSIFICATION¹

	FATAL YOUNG DRIVER CRASHES = 260			TOTAL YOUNG DRIVER CRASHES = 49,971		
	YOUNG DRIVER/ VEHICLE	OTHER DRIVER/ VEHICLE/PED.	TOTAL FATAL	YOUNG DRIVER/ VEHICLE	OTHER DRIVER/ VEHICLE/PED.	TOTAL CRASHES
VEHICLE DEFECTS	1.2	1.2	2.3	2.0	0.5	2.5
TRAFFIC CONTROL INOPERATIVE / MISSING	0.0	0.0	0.0	0.1	0.1	0.1
IMPROPERLY STOPPED ON ROADWAY	0.0	0.8	0.8	0.3	0.3	0.6
EXCEEDING SPEED LIMIT / TOO FAST FOR CONDITIONS	42.3	3.1	45.0	18.6	2.5	20.9
IMPROPER PASSING	1.5	0.4	1.9	1.1	0.5	1.6
VIOLATION OF STOP SIGN	3.8	1.5	5.3	3.2	1.6	4.7
WRONG SIDE NOT PASSING	13.5	4.2	16.9	2.0	0.6	2.5
FOLLOWING TOO CLOSE	0.8	1.2	1.9	12.4	5.0	17.0
IMPROPER SIGNAL	0.0	0.4	0.4	0.2	0.1	0.3
IMPROPER BACKING	0.0	0.0	0.0	1.5	0.8	2.3
IMPROPER TURN	0.8	1.2	1.9	2.6	1.3	3.9
IMPROPER LANE USAGE / CHANGE	13.8	2.7	16.5	4.9	2.2	7.0
WRONG WAY ONE-WAY STREET	0.8	1.2	1.9	0.1	0.1	0.2
IMPROPER START FROM PARK	0.4	0.0	0.4	0.3	0.1	0.4
IMPROPERLY PARKED	0.0	0.0	0.0	0.1	0.2	0.2
FAILED TO YIELD	12.3	5.8	17.7	14.5	8.2	22.4
DRINKING	13.1	4.2	17.3	2.4	0.8	3.2
DRUGS	1.5	0.4	1.9	0.3	0.1	0.4
PHYSICAL IMPAIRMENT	3.8	0.4	4.2	1.1	0.2	1.3
INATTENTION	14.6	5.0	18.8	23.7	8.4	30.7

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 2002 Missouri fatal young driver crashes, it was found that a young driver was speeding in 42.3% of the crashes. In 3.1% of the crashes another driver was speeding. In 45.0% of the crashes either a young driver, another driver, or both drivers were speeding.

TABLE 3.3.10

YOUNG DRIVERS INVOLVED IN 2002 MISSOURI CRASHES

SEX OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MALE	195	70.9	8,653	53.8	21,089	55.7	29,937	55.2
FEMALE	80	29.1	7,418	46.2	16,801	44.3	24,299	44.8
UNKNOWN	0	-	1	-	1,170	-	1,171	-
TOTAL	275	100.0	16,072	100.0	39,060	100.0	55,407	100.0

TABLE 3.3.11

YOUNG DRIVERS INVOLVED IN 2002 MISSOURI CRASHES

AGE OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AVERAGE AGE OF YOUNG DRIVER¹	17.9	-	17.9	-	17.9	-	17.9	-
14 YEARS AND UNDER	3	1.1	96	0.6	129	0.3	228	0.4
15 YEARS	8	2.9	212	1.3	479	1.2	699	1.3
16 YEARS	48	17.5	3,150	19.6	7,625	19.5	10,823	19.5
17 YEARS	51	18.6	3,299	20.5	8,558	21.9	11,908	21.5
18 YEARS	52	18.9	3,376	21.0	7,943	20.3	11,371	20.5
19 YEARS	61	22.2	3,091	19.2	7,476	19.1	10,628	19.2
20 YEARS	52	18.9	2,848	17.7	6,850	17.5	9,750	17.6
TOTAL	275	100.0	16,072	100.0	39,060	100.0	55,407	100.0

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

TABLE 3.3.12

YOUNG DRIVERS INVOLVED IN 2002 MISSOURI CRASHES
DRIVER'S LICENSE STATE AND TYPE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MISSOURI								
LEARNER'S PERMIT	8	3.0	368	2.3	798	2.1	1,174	2.2
OPERATOR'S LICENSE	209	77.1	13,898	87.9	33,410	89.6	47,517	89.0
MOTORCYCLE ONLY	0	0.0	4	0.0	1	0.0	5	0.0
COMERCIAL DRIVER'S LICENSE	2	0.7	45	0.3	118	0.3	165	0.3
SUBTOTAL	219	80.8	14,315	90.5	34,327	92.0	48,861	91.5
OUT STATE								
LEARNER'S PERMIT	1	0.4	5	0.0	26	0.1	32	0.1
OPERATOR'S LICENSE	15	5.5	868	5.5	1,982	5.3	2,865	5.4
MOTORCYCLE ONLY	0	0.0	0	0.0	0	0.0	0	0.0
COMMERCIAL DRIVER'S LICENSE	1	0.4	4	0.0	19	0.1	24	0.0
SUBTOTAL	17	6.3	877	5.5	2,027	5.4	2,921	5.5
UNLICENSED	35	12.9	618	3.9	948	2.5	1,601	3.0
UNKNOWN	4	-	262	-	1,758	-	2,024	-
TOTAL	275	100.0	16,072	100.0	39,060	100.0	55,407	100.0

TABLE 3.3.13

YOUNG DRIVERS INVOLVED IN 2002 MISSOURI CRASHES

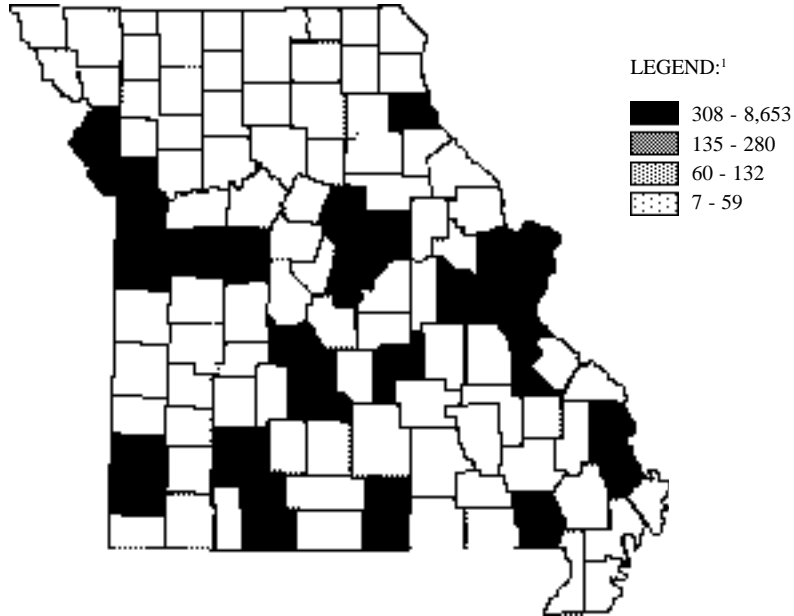
TYPE OF VEHICLE DRIVEN BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AUTOMOBILE	160	58.2	11,705	72.9	28,669	73.5	40,534	73.2
SPORT UTILITY VEHICLE	28	10.2	1,361	8.5	3,348	8.6	4,737	8.6
LIMOUSINE	0	0.0	1	0.0	1	0.0	2	0.0
VAN	7	2.6	389	2.4	1,046	2.7	1,442	2.6
BUS	0	0.0	4	0.0	8	0.0	12	0.0
SCHOOL BUS	0	0.0	0	0.0	4	0.0	4	0.0
MOTORCYCLE	4	1.5	120	0.8	23	0.1	147	0.3
MOPED	1	0.4	13	0.1	5	0.0	19	0.0
MOTOR HOME / CAMPER	0	0.0	1	0.0	2	0.0	3	0.0
FARM EQUIPMENT	1	0.4	7	0.0	19	0.1	27	0.1
CONSTRUCTION EQUIPMENT	0	0.0	0	0.0	3	0.0	3	0.0
OTHER TRANSPORT DEVICE	2	0.7	10	0.1	10	0.0	22	0.0
PICKUP TRUCK	66	24.0	2,336	14.5	5,693	14.6	8,095	14.6
OTHER TRUCKS	2	0.7	57	0.4	171	0.4	230	0.4
ALL TERRAIN VEHICLE	4	1.5	61	0.4	13	0.0	78	0.1
UNKNOWN	0	-	7	-	45	-	52	-
TOTAL	275	100.0	16,072	100.0	39,060	100.0	55,407	100.0

TABLE 3.3.14

2002 YOUNG DRIVER INVOLVED CRASHES

COUNTY QUARTILE ANALYSIS

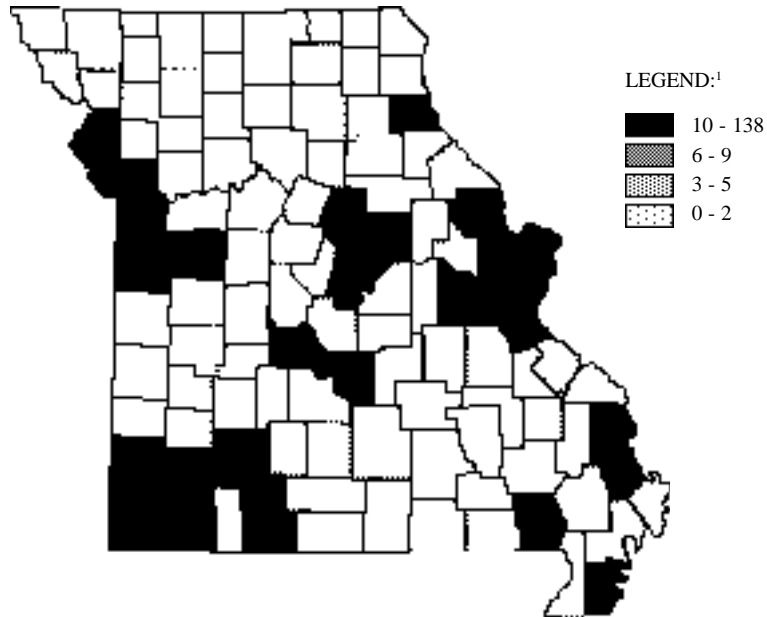


¹ LEGEND CATEGORIES ARE BASED ON QUARTILES OF COUNTIES.

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
1.0	ST. LOUIS	8,653	17.3	22.0	NEWTON	420	0.8
2.0	JACKSON	6,132	12.3	23.0	LACLEDE	411	0.8
3.0	GREENE	3,107	6.2	24.0	CHRISTIAN	385	0.8
4.0	ST. LOUIS CITY	2,973	5.9	25.0	CAMDEN	366	0.7
5.0	ST. CHARLES	2,908	5.8	26.0	HOWELL	335	0.7
6.0	JEFFERSON	1,935	3.9	27.0	MARION	318	0.6
7.0	CLAY	1,850	3.7	28.0	SCOTT	317	0.6
8.0	BOONE	1,307	2.6	29.0	CALLAWAY	308	0.6
9.0	JASPER	1,180	2.4				
10.0	BUCHANAN	998	2.0				First Quartile
11.0	CAPE GIRARDEAU	986	2.0				
12.0	FRANKLIN	941	1.9				Second Quartile
13.0	COLE	761	1.5	30.0	PULASKI	280	0.6
14.0	CASS	648	1.3	31.0	LINCOLN	275	0.6
15.0	PLATTE	604	1.2	32.0	RANDOLPH	265	0.5
16.0	ST. FRANCOIS	504	1.0	33.0	BARRY	263	0.5
17.0	BUTLER	474	0.9	34.0	DUNKLIN	251	0.5
18.0	PETTIS	468	0.9	35.0	POLK	226	0.5
19.0	JOHNSON	464	0.9	36.0	LAFAYETTE	225	0.5
20.0	PHELPS	463	0.9	37.0	WARREN	220	0.4
21.0	TANEY	445	0.9	38.0	MILLER	218	0.4
				39.0	LAWRENCE	210	0.4

2002 YOUNG DRINKING DRIVER INVOLVED CRASHES

COUNTY QUARTILE ANALYSIS



¹ LEGEND CATEGORIES ARE BASED ON QUARTILES OF COUNTIES.

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
1.0	ST. LOUIS	138	11.6	21.0	SCOTT	13	1.1
2.0	JACKSON	113	9.5	25.5	CAMDEN	11	0.9
3.0	ST. CHARLES	58	4.9	25.5	LINCOLN	11	0.9
4.0	JEFFERSON	50	4.2	25.5	MC DONALD	11	0.9
5.0	GREENE	44	3.7	25.5	PEMISCOT	11	0.9
6.0	BOONE	37	3.1	29.0	CASS	10	0.8
7.5	CLAY	33	2.8	29.0	LAWRENCE	10	0.8
7.5	JASPER	33	2.8	29.0	PLATTE	10	0.8
9.0	BUCHANAN	27	2.3				
10.0	FRANKLIN	26	2.2				First Quartile
11.5	CAPE GIRARDEAU	20	1.7				
11.5	JOHNSON	20	1.7				Second Quartile
13.5	BUTLER	17	1.4	34.0	BENTON	9	0.8
13.5	TANEY	17	1.4	34.0	HOWELL	9	0.8
15.0	ST. LOUIS CITY	16	1.3	34.0	LACLEDE	9	0.8
16.5	MARION	15	1.3	34.0	NEW MADRID	9	0.8
16.5	PULASKI	15	1.3	34.0	ST. FRANCOIS	9	0.8
18.0	NEWTON	14	1.2	34.0	STODDARD	9	0.8
21.0	BARRY	13	1.1	34.0	WEBSTER	9	0.8
21.0	CALLAWAY	13	1.1	40.5	ADAIR	8	0.7
21.0	CHRISTIAN	13	1.1	40.5	PETIS	8	0.7
21.0	COLE	13	1.1	40.5	RANDOLPH	8	0.7
				40.5	RAY	8	0.7

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
40.5	STE. GENEVIEVE	8	0.7	85.0	COOPER	3	0.3
40.5	VERNON	8	0.7	85.0	GASCONADE	3	0.3
47.0	CRAWFORD	7	0.6	85.0	GENTRY	3	0.3
47.0	HENRY	7	0.6	85.0	HICKORY	3	0.3
47.0	LINN	7	0.6	85.0	HOLT	3	0.3
47.0	MORGAN	7	0.6	85.0	LIVINGSTON	3	0.3
47.0	OSAGE	7	0.6	85.0	MADISON	3	0.3
47.0	TEXAS	7	0.6	85.0	MARIES	3	0.3
47.0	WARREN	7	0.6	85.0	MONROE	3	0.3
53.5	ANDREW	6	0.5	85.0	MONTGOMERY	3	0.3
53.5	AUDRAIN	6	0.5	85.0	OREGON	3	0.3
53.5	DOUGLAS	6	0.5	85.0	ST. CLAIR	3	0.3
53.5	MISSISSIPPI	6	0.5	85.0	STONE	3	0.3
53.5	PHELPS	6	0.5	85.0	SULLIVAN	3	0.3
53.5	PIKE	6	0.5				
			Second Quartile				Third Quartile
			Third Quartile				Fourth Quartile
61.5	CEDAR	5	0.4	95.0	CALDWELL	2	0.2
61.5	DUNKLIN	5	0.4	95.0	DADE	2	0.2
61.5	GRUNDY	5	0.4	95.0	NODAWAY	2	0.2
61.5	LEWIS	5	0.4	95.0	PERRY	2	0.2
61.5	RIPLEY	5	0.4	95.0	PUTNAM	2	0.2
61.5	SALINE	5	0.4	104.5	ATCHISON	1	0.1
61.5	SHANNON	5	0.4	104.5	BARTON	1	0.1
61.5	WASHINGTON	5	0.4	104.5	CARTER	1	0.1
61.5	WAYNE	5	0.4	104.5	CLARK	1	0.1
61.5	WRIGHT	5	0.4	104.5	DAVIESS	1	0.1
72.0	BATES	4	0.3	104.5	DE KALB	1	0.1
72.0	BOLLINGER	4	0.3	104.5	HARRISON	1	0.1
72.0	CARROLL	4	0.3	104.5	HOWARD	1	0.1
72.0	CHARITON	4	0.3	104.5	IRON	1	0.1
72.0	DALLAS	4	0.3	104.5	MERCER	1	0.1
72.0	DENT	4	0.3	104.5	OZARK	1	0.1
72.0	LAFAYETTE	4	0.3	104.5	REYNOLDS	1	0.1
72.0	MILLER	4	0.3	104.5	SCOTLAND	1	0.1
72.0	MONITEAU	4	0.3	104.5	WORTH	1	0.1
72.0	POLK	4	0.3	113.5	KNOX	0	0.0
72.0	RALLS	4	0.3	113.5	MACON	0	0.0
85.0	CLINTON	3	0.3	113.5	SCHUYLER	0	0.0
				113.5	SHELBY	0	0.0

TABLE 3.3.16

2002 YOUNG DRIVER INVOLVED CRASHES

CITY LISTING

RANK	CITY	FREQUENCY	PERCENT ¹
1.0	KANSAS CITY	3,907	10.8
2.0	ST. LOUIS	2,973	8.2
3.0	SPRINGFIELD	2,566	7.1
4.0	INDEPENDENCE	1,207	3.3
5.0	COLUMBIA	1,074	3.0
6.0	ST. JOSEPH	910	2.5
7.0	LEE'S SUMMIT	822	2.3
8.0	JOPLIN	770	2.1
9.0	ST. PETERS	759	2.1
10.0	ST. CHARLES	654	1.8
11.0	CAPE GIRARDEAU	640	1.8
12.0	JEFFERSON CITY	611	1.7
13.0	FLORISSANT	542	1.5
14.0	O'FALLON	539	1.5
15.0	CHESTERFIELD	497	1.4
16.0	BLUE SPRINGS	488	1.4
17.0	MARYLAND HEIGHTS	404	1.1
18.0	SEDALIA	357	1.0
19.0	LIBERTY	332	0.9
20.0	KIRKWOOD	325	0.9
21.0	CREVE COEUR	317	0.9
22.0	POPLAR BLUFF	312	0.9
23.0	ARNOLD	305	0.8
24.0	GLADSTONE	281	0.8
25.0	ROLLA	276	0.8
26.0	SUNSET HILLS	272	0.8
27.0	TOWN AND COUNTRY	263	0.7
28.0	LEBANON	255	0.7
29.0	HAZELWOOD	241	0.7
30.0	BRIDGETON	236	0.7
31.0	RAYTOWN	233	0.6
32.0	HANNIBAL	231	0.6
33.0	WARRENSBURG	206	0.6
34.0	BALLWIN	205	0.6
35.0	SIKESTON	201	0.6
36.0	WASHINGTON	196	0.5
37.0	JACKSON	194	0.5
39.0	BRANSON	193	0.5
39.0	WEST PLAINS	193	0.5
39.0	WILDWOOD	193	0.5
41.0	RICHMOND HEIGHTS	192	0.5
42.0	FERGUSON	191	0.5
43.0	BELTON	187	0.5
44.0	MOBERLY	176	0.5
45.0	GRANDVIEW	165	0.5
46.5	MANCHESTER	163	0.5
46.5	WEBSTER GROVES	163	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**

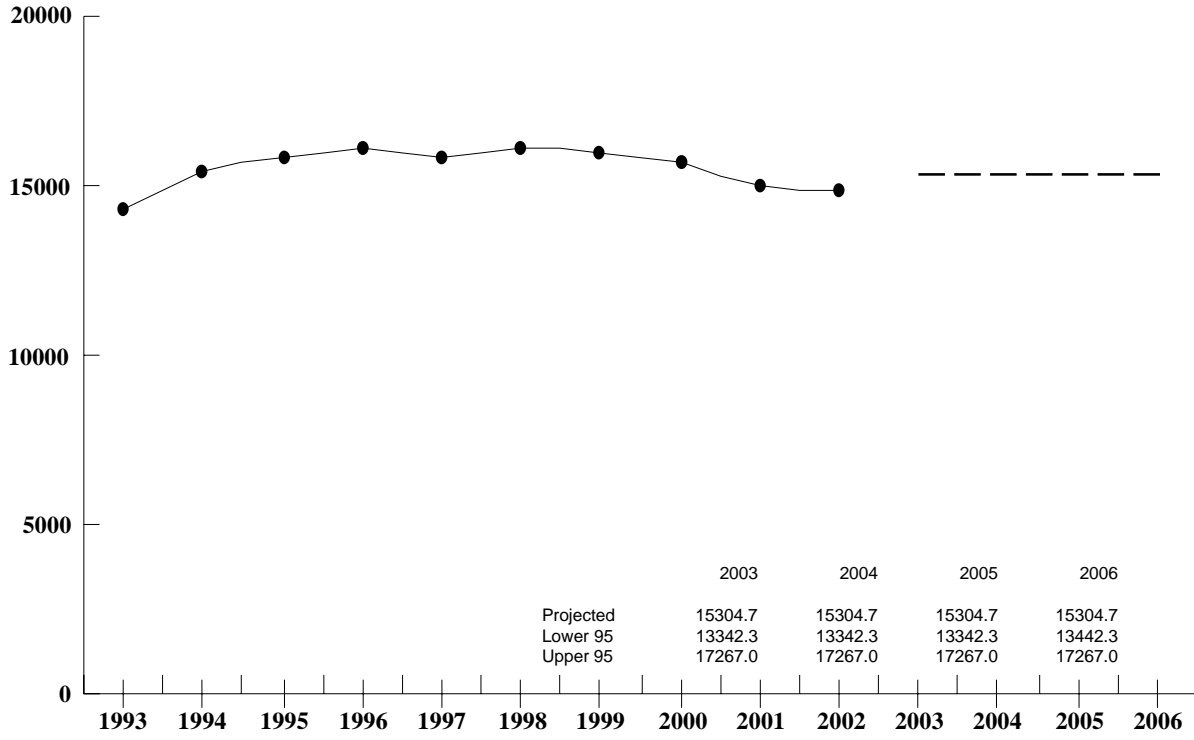


FIGURE 3.3.4

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.

2002 SUMMARY ANALYSIS

- Of all 2002 Missouri traffic crashes, 26.9% involved an older driver. Of all fatal traffic crashes, 26.1% involved an older driver. A total of 320 persons were killed and 18,327 were injured in traffic crashes involving older drivers.
- There was a decrease of 0.5% in the rate of change when comparing 2002 older driver traffic crashes with those in 2001. There was an increase of 6.9% when comparing 2002 fatal older driver traffic crashes with 2001.
- In 2002, one person was killed or injured in older driver related traffic crashes every 28.2 minutes in the State of Missouri.
- Of all older driver related traffic crashes, the first harmful event in 84.5% of the incidents involved one motor vehicle in transport striking another motor vehicle in transport. In older driver fatal traffic crashes, 58.3% involved one motor vehicle in transport striking another motor vehicle in transport and 22.3% of the cases involved a motor vehicle striking a fixed object.
- Of all 2002 older driver crashes, 66.7% occurred in an urban area and 33.3% occurred in a rural area of the State. However, 70.9% of the fatal older driver crashes occurred in a rural area.
- Of all older driver traffic crashes, 87.3% occurred from 7:00 A.M. through 6:59 P.M.
- Of all older drivers involved in traffic crashes, 59.4% were male and 40.6% were female. The average age of older drivers (55 years and older) was 66.4 years.
- Of the older drivers, 89.2% had a Missouri driver's license, 10.3% had an out-of-state driver's license, and 0.5% were unlicensed at the time of the crash.
- Of the older drivers, 60.0% were driving an automobile and 17.8% were driving a pickup truck at the time of the crash.

2002 MISSOURI TRAFFIC CRASHES

OLDER DRIVER INVOLVEMENT

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	TOTAL NUMBER¹ KILLED	INJURED	OLDER DRIVERS² KILLED	INJURED
OLDER DRIVER INVOLVED	278	26.1	11,669	25.6	31,507	27.4	43,454	26.9	320	18,327	175	7,103
NO OLDER DRIVER INVOLVED	785	73.9	33,830	74.4	83,402	72.6	118,017	73.1	868	51,028	-	-
UNKNOWN ³	19	-	2,474	-	21,822	-	24,315	-	20	3,244	-	-
TOTAL	1,082	100.0	47,973	100.0	136,731	100.0	185,876	100.0	1,208	72,599	175	7,103

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

2001 and 2002 OLDER DRIVER INVOLVED CRASH ANALYSIS

	2001	2002	RATE OF CHANGE
FATAL	260	278	+ 6.9
PERSONAL INJURY	11,670	11,669	- 0.0
PROPERTY DAMAGE	31,734	31,507	- 0.7
TOTAL	43,664	43,454	- 0.5

TABLE 3.4.2

**2002 OLDER DRIVER INVOLVED CRASHES
CRASH TYPE BY CRASH SEVERITY**

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
ANIMAL	2	0.7	48	0.4	714	2.3	764	1.8
BICYCLIST	1	0.4	102	0.9	24	0.1	127	0.3
FIXED OBJECT	62	22.3	1,172	10.0	1,822	5.8	3,056	7.0
OTHER OBJECT	2	0.7	24	0.2	239	0.8	265	0.6
PEDESTRIAN	16	5.8	191	1.6	7	0.0	214	0.5
TRAIN	7	2.5	3	0.0	10	0.0	20	0.1
VEHICLE IN TRANSPORT	162	58.3	9,709	83.2	26,833	85.2	36,704	84.5
VEHICLE ON OTHER ROADWAY	9	3.2	34	0.3	80	0.3	123	0.3
PARKED VEHICLE	2	0.7	122	1.1	1,441	4.6	1,565	3.6
NONCOLLISION OVERTURN	12	4.3	228	2.0	158	0.5	398	0.9
NONCOLLISION OTHER	3	1.1	36	0.3	179	0.6	218	0.5
TOTAL	278	100.0	11,669	100.0	31,507	100.0	43,454	100.0

TABLE 3.4.3

2002 OLDER DRIVER INVOLVED CRASHES

AREA CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
URBAN	81	29.1	7,395	63.4	21,523	68.3	28,999	66.7
RURAL	197	70.9	4,274	36.6	9,984	31.7	14,455	33.3
TOTAL	278	100.0	11,669	100.0	31,507	100.0	43,454	100.0

TABLE 3.4.4

2002 OLDER DRIVER INVOLVED CRASHES

ROAD CURVATURE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
STRAIGHT	215	77.3	10,102	87.1	26,657	89.5	36,974	88.8
CURVE	63	22.7	1,498	12.9	3,120	10.5	4,681	11.2
UNKNOWN	0	-	69	-	1,730	-	1,799	-
TOTAL	278	100.0	11,669	100.0	31,507	100.0	43,454	100.0

TABLE 3.4.5

2002 OLDER DRIVER INVOLVED CRASHES

ROAD INCLINE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
LEVEL	142	51.2	7,879	68.3	21,923	74.2	29,944	72.4
HILL	124	44.8	3,288	28.5	6,838	23.1	10,250	24.8
CREST	11	4.0	374	3.2	805	2.7	1,190	2.9
UNKNOWN	1	-	128	-	1,941	-	2,070	-
TOTAL	278	100.0	11,669	100.0	31,507	100.0	43,454	100.0

TABLE 3.4.6

2002 OLDER DRIVER INVOLVED CRASHES

ROAD CONDITIONS BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRY	227	81.6	9,418	81.2	25,613	81.8	35,258	81.6
WET	38	13.7	1,816	15.7	4,729	15.1	6,583	15.2
SNOW	10	3.6	231	2.0	657	2.1	898	2.1
ICE	3	1.1	114	1.0	243	0.8	360	0.8
SLUSH	0	0.0	22	0.2	48	0.2	70	0.2
MUD	0	0.0	1	0.0	3	0.0	4	0.0
STANDING WATER	0	0.0	2	0.0	9	0.0	11	0.0
MOVING WATER	0	0.0	1	0.0	1	0.0	2	0.0
UNKNOWN	0	-	64	-	204	-	268	-
TOTAL	278	100.0	11,669	100.0	31,507	100.0	43,454	100.0

TABLE 3.4.7

2002 OLDER DRIVER INVOLVED CRASHES

HIGHWAY CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	46	16.6	1,032	8.8	2,985	9.5	4,063	9.4
U.S. HIGHWAY	62	22.3	1,704	14.6	3,567	11.3	5,333	12.3
STATE NUMBERED	68	24.5	2,452	21.0	5,276	16.8	7,796	17.9
SINGLE STATE LETTERED	29	10.4	665	5.7	1,306	4.2	2,000	4.6
DOUBLE STATE LETTERED	8	2.9	345	3.0	618	2.0	971	2.2
OUTER ROAD	2	0.7	111	1.0	259	0.8	372	0.9
COUNTY ROAD	21	7.6	718	6.2	2,012	6.4	2,751	6.3
CITY STREET	37	13.3	4,193	35.9	13,927	44.2	18,157	41.8
INTERSTATE LOOP	2	0.7	73	0.6	178	0.6	253	0.6
OTHER ¹	3	1.1	376	3.2	1,379	4.4	1,758	4.1
TOTAL	278	100.0	11,669	100.0	31,507	100.0	43,454	100.0

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

TABLE 3.4.8

2002 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	14	17.3	646	8.7	1,874	8.7	2,534	8.7	32	16.2	386	9.0	1,111	11.1	1,529	10.6
U.S. HIGHWAY	14	17.3	757	10.2	1,793	8.3	2,564	8.8	48	24.4	947	22.2	1,774	17.8	2,769	19.2
STATE NUMBERED	14	17.3	1,136	15.4	2,762	12.8	3,912	13.5	54	27.4	1,316	30.8	2,514	25.2	3,884	26.9
SINGLE STATE LETTERED	3	3.7	161	2.2	455	2.1	619	2.1	26	13.2	504	11.8	851	8.5	1,381	9.6
DOUBLE S STATE LETTERED	2	2.5	127	1.7	260	1.2	389	1.3	6	3.1	218	5.1	358	3.6	582	4.0
OUTER ROAD	0	0.0	71	1.0	180	0.8	251	0.9	2	1.0	40	0.9	79	0.8	121	0.8
COUNTY ROAD	1	1.2	226	3.1	646	3.0	873	3.0	20	10.2	492	11.5	1,366	13.7	1,878	13.0
CITY STREET	29	35.8	3,922	53.0	12,379	57.5	16,330	56.3	8	4.1	271	6.3	1,548	15.5	1,827	12.6
INTERSTATE LOOP	2	2.5	60	0.8	155	0.7	217	0.8	0	0.0	13	0.3	23	0.2	36	0.3
OTHER ¹	2	2.5	289	3.9	1,019	4.7	1,310	4.5	1	0.5	87	2.0	360	3.6	448	3.1
TOTAL	81	100.0	7,395	100.0	21,523	100.0	28,999	100.0	197	100.0	4,274	100.0	9,984	100.0	14,455	100.0

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

TABLE 3.4.9

**2002 MISSOURI OLDER DRIVER INVOLVED CRASHES
MONTH OF YEAR**

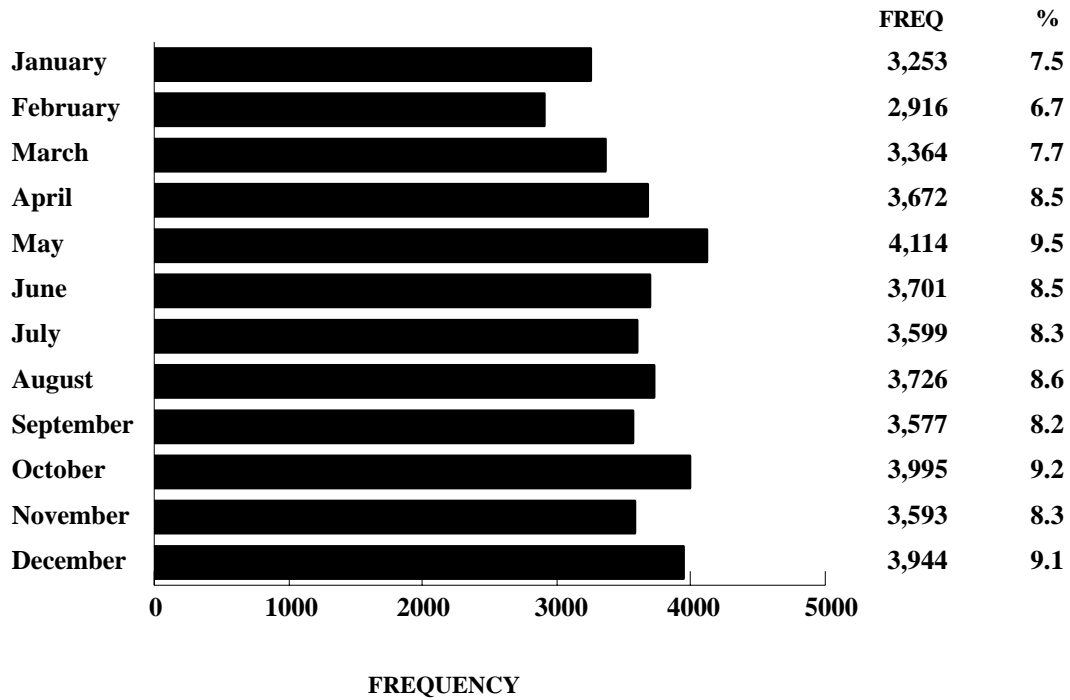
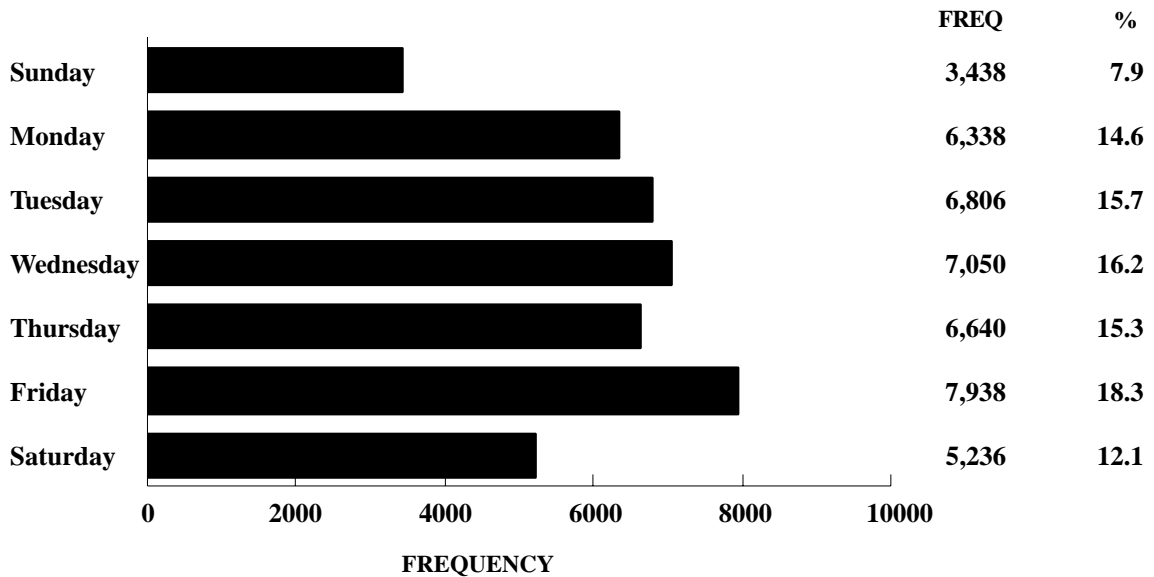


FIGURE 3.4.1

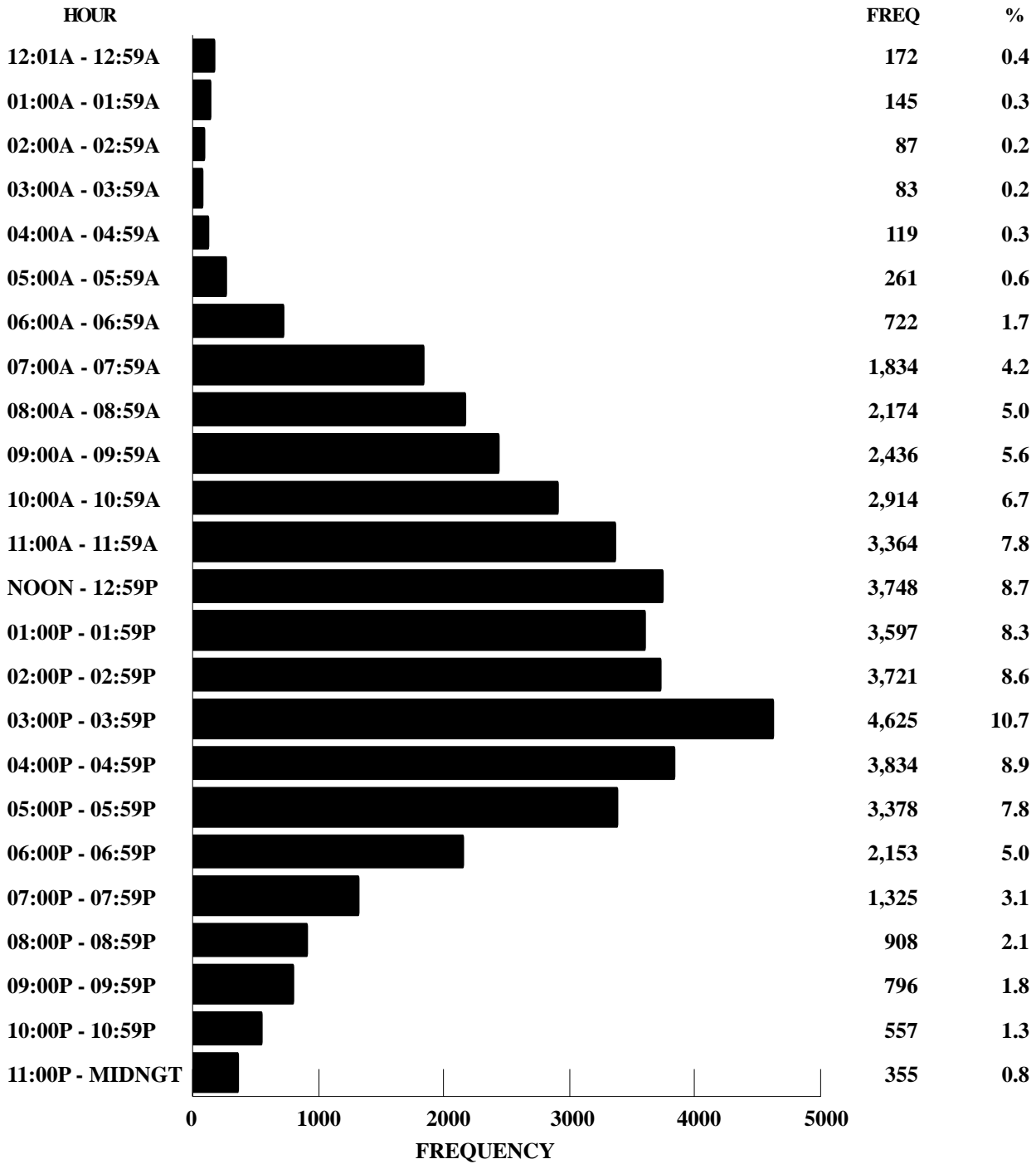
**2002 MISSOURI OLDER DRIVER INVOLVED CRASHES
DAY OF WEEK**



Unknown Data Not Included

FIGURE 3.4.2

**2002 MISSOURI OLDER DRIVER INVOLVED CRASHES
HOUR OF DAY**



Unknown Data Not Included

FIGURE 3.4.3

2002 MISSOURI OLDER DRIVER CRASHES

TYPE OF CIRCUMSTANCE INVOLVED BY CRASH SEVERITY AND PERSON CLASSIFICATION¹

FATAL OLDER DRIVER CRASHES = 278				TOTAL OLDER DRIVER CRASHES = 43,454		
	OLDER DRIVER/ VEHICLE	OTHER DRIVER/ VEHICLE/PED.	TOTAL FATAL	OLDER DRIVER/ VEHICLE	OTHER DRIVER/ VEHICLE/PED.	TOTAL CRASHES
VEHICLE DEFECTS	1.8	1.4	3.2	1.3	1.1	2.4
TRAFFIC CONTROL INOPERATIVE / MISSING	0.0	0.0	0.0	0.1	0.1	0.2
IMPROPERLY STOPPED ON ROADWAY	0.4	0.7	1.1	0.4	0.3	0.6
EXCEEDING SPEED LIMIT / TOO FAST FOR CONDITIONS	9.0	12.6	21.2	5.0	5.4	10.1
IMPROPER PASSING	1.4	1.1	2.5	0.8	1.0	1.7
VIOLATION OF STOP SIGN	5.0	4.0	9.0	3.0	2.9	5.8
WRONG SIDE NOT PASSING	7.6	7.2	14.7	1.0	1.0	1.9
FOLLOWING TOO CLOSE	1.4	2.2	3.6	6.3	9.4	15.3
IMPROPER SIGNAL	0.4	0.0	0.4	0.2	0.1	0.3
IMPROPER BACKING	0.4	0.0	0.4	2.5	1.1	3.5
IMPROPER TURN	2.2	0.4	2.5	3.1	1.5	4.6
IMPROPER LANE USAGE / CHANGE	5.4	4.3	9.7	4.7	3.1	7.6
WRONG WAY ONE-WAY STREET	0.4	0.7	1.1	0.1	0.1	0.2
IMPROPER START FROM PARK	0.0	0.0	0.0	0.3	0.2	0.4
IMPROPERLY PARKED	0.0	0.0	0.0	0.1	0.3	0.4
FAILED TO YIELD	15.8	5.8	21.6	16.0	9.6	25.3
DRINKING	4.3	4.7	9.0	1.0	0.8	1.7
DRUGS	0.0	2.2	2.2	0.1	0.1	0.2
PHYSICAL IMPAIRMENT	8.3	1.1	9.4	1.8	0.3	2.1
INATTENTION	16.5	9.7	25.5	18.3	14.7	31.4

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 2002 Missouri fatal older driver crashes, it was found that an older driver was speeding in 9.0% of the crashes. In 12.6% of the crashes another driver was speeding. In 21.2% of the crashes either an older driver, another driver, or both drivers were speeding.

TABLE 3.4.10

OLDER DRIVERS INVOLVED IN 2002 MISSOURI CRASHES

SEX OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MALE	226	72.4	7,589	58.8	19,774	59.5	27,589	59.4
FEMALE	86	27.6	5,310	41.2	13,469	40.5	18,865	40.6
UNKNOWN	0	-	0	-	1,247	-	1,247	-
TOTAL	312	100.0	12,899	100.0	34,490	100.0	47,701	100.0

TABLE 3.4.11

OLDER DRIVERS INVOLVED IN 2002 MISSOURI CRASHES

AGE OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AVERAGE AGE OF OLDER DRIVER¹	68.9	-	66.5	-	66.3	-	66.4	-
55 - 59 YEARS	68	21.8	3,783	29.3	10,255	29.7	14,106	29.6
60 - 64 YEARS	63	20.2	2,562	19.9	7,155	20.8	9,780	20.5
65 - 69 YEARS	41	13.1	2,071	16.1	5,352	15.5	7,464	15.7
70 - 74 YEARS	44	14.1	1,703	13.2	4,495	13.0	6,242	13.1
75 YEARS AND OVER	96	30.8	2,780	21.6	7,233	21.0	10,109	21.2
TOTAL	312	100.0	12,899	100.0	34,490	100.0	47,701	100.0

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

TABLE 3.4.12

OLDER DRIVERS INVOLVED IN 2002 MISSOURI CRASHES
DRIVER'S LICENSE STATE AND TYPE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MISSOURI								
LEARNER'S PERMIT	0	0.0	1	0.0	16	0.1	17	0.0
OPERATOR'S LICENSE	231	74.3	10,642	83.2	27,193	82.4	38,066	82.6
MOTORCYCLE ONLY	0	0.0	1	0.0	1	0.0	2	0.0
COMERCIAL DRIVER'S LICENSE	24	7.7	757	5.9	2,262	6.9	3,043	6.6
SUBTOTAL	255	82.0	11,401	89.1	29,472	89.3	41,128	89.2
OUT STATE								
LEARNER'S PERMIT	0	0.0	0	0.0	1	0.0	1	0.0
OPERATOR'S LICENSE	39	12.5	1,090	8.5	2,722	8.3	3,851	8.4
MOTORCYCLE ONLY	0	0.0	0	0.0	0	0.0	0	0.0
COMMERCIAL DRIVER'S LICENSE	13	4.2	214	1.7	667	2.0	894	1.9
SUBTOTAL	52	16.7	1,304	10.2	3,390	10.3	4,746	10.3
UNLICENSED	4	1.3	84	0.7	136	0.4	224	0.5
UNKNOWN	1	-	110	-	1,492	-	1,603	-
TOTAL	312	100.0	12,899	100.0	34,490	100.0	47,701	100.0

TABLE 3.4.13

OLDER DRIVERS INVOLVED IN 2002 MISSOURI CRASHES

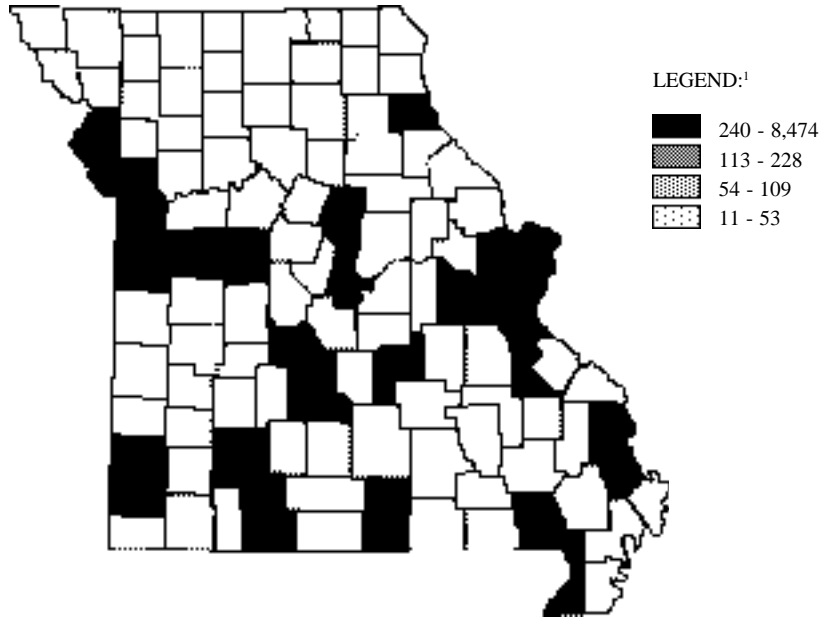
TYPE OF VEHICLE DRIVEN BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AUTOMOBILE	156	50.0	7,823	60.7	20,594	59.8	28,573	60.0
SPORT UTILITY VEHICLE	24	7.7	868	6.7	2,436	7.1	3,328	7.0
LIMOUSINE	0	0.0	2	0.0	15	0.0	17	0.0
VAN	28	9.0	1,192	9.3	2,952	8.6	4,172	8.8
BUS	3	1.0	53	0.4	251	0.7	307	0.6
SCHOOL BUS	1	0.3	58	0.5	268	0.8	327	0.7
MOTORCYCLE	4	1.3	119	0.9	35	0.1	158	0.3
MOPED	1	0.3	3	0.0	0	0.0	4	0.0
MOTOR HOME / CAMPER	4	1.3	17	0.1	98	0.3	119	0.3
FARM EQUIPMENT	5	1.6	33	0.3	43	0.1	81	0.2
CONSTRUCTION EQUIPMENT	0	0.0	10	0.1	14	0.0	24	0.1
OTHER TRANSPORT DEVICE	2	0.6	6	0.1	28	0.1	36	0.1
PICKUP TRUCK	57	18.3	2,247	17.4	6,164	17.9	8,468	17.8
OTHER TRUCKS	26	8.3	446	3.5	1,526	4.4	1,998	4.2
ALL TERRAIN VEHICLE	1	0.3	6	0.1	1	0.0	8	0.0
UNKNOWN	0	-	16	-	65	-	81	-
TOTAL	312	100.0	12,899	100.0	34,490	100.0	47,701	100.0

TABLE 3.4.14

2002 OLDER DRIVER INVOLVED CRASHES

COUNTY QUARTILE ANALYSIS



¹ LEGEND CATEGORIES ARE BASED ON QUARTILES OF COUNTIES.

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
1.0	ST. LOUIS	8,474	19.5	21.0	CAMDEN	375	0.9
2.0	JACKSON	5,622	12.9	22.0	NEWTON	343	0.8
3.0	ST. LOUIS CITY	3,658	8.4	23.0	LACLEDE	334	0.8
4.0	GREENE	2,433	5.6	24.0	MARION	296	0.7
5.0	ST. CHARLES	1,998	4.6	25.0	HOWELL	291	0.7
6.0	CLAY	1,479	3.4	26.0	SCOTT	288	0.7
7.0	JEFFERSON	1,204	2.8	27.0	JOHNSON	254	0.6
8.0	JASPER	992	2.3	28.0	CHRISTIAN	242	0.6
9.0	BUCHANAN	791	1.8	29.0	DUNKLIN	240	0.6
10.0	BOONE	770	1.8				First Quartile
11.0	CAPE GIRARDEAU	765	1.8				Second Quartile
12.0	FRANKLIN	672	1.5	30.0	CALLAWAY	228	0.5
13.0	COLE	577	1.3	31.0	POLK	220	0.5
14.0	TANEY	539	1.2	32.0	LAWRENCE	218	0.5
15.0	CASS	502	1.2	33.0	RANDOLPH	212	0.5
16.0	BUTLER	465	1.1	34.0	LAFAYETTE	205	0.5
17.0	ST. FRANCOIS	435	1.0	35.0	LINCOLN	200	0.5
18.0	PLATTE	434	1.0	36.0	BARRY	198	0.5
19.0	PHHELPS	406	0.9	37.0	STONE	196	0.5
20.0	PETTIS	380	0.9				

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
38.5	STODDARD	191	0.4	77.0	ANDREW	72	0.2
38.5	WARREN	191	0.4	78.5	OSAGE	69	0.2
40.0	PULASKI	180	0.4	78.5	ST. CLAIR	69	0.2
41.0	MILLER	177	0.4	80.5	GRUNDY	66	0.2
42.0	PERRY	172	0.4	80.5	MADISON	66	0.2
43.0	COOPER	169	0.4	82.0	CEDAR	65	0.1
44.0	NEW MADRID	168	0.4	83.0	DOUGLAS	64	0.1
45.5	VERNON	167	0.4	84.5	DE KALB	58	0.1
45.5	WEBSTER	167	0.4	84.5	IRON	58	0.1
47.0	HENRY	162	0.4	86.0	HARRISON	54	0.1
48.0	AUDRAIN	157	0.4				
49.0	CRAWFORD	152	0.3				Third Quartile
50.0	PEMISCOT	149	0.3				
51.0	BENTON	141	0.3				Fourth Quartile
52.0	SALINE	138	0.3	87.5	CARROLL	53	0.1
53.0	MC DONALD	137	0.3	87.5	OREGON	53	0.1
54.5	LIVINGSTON	134	0.3	89.0	BOLLINGER	51	0.1
54.5	MORGAN	134	0.3	90.0	CLARK	50	0.1
56.0	ADAIR	120	0.3	91.5	LEWIS	48	0.1
57.0	TEXAS	115	0.3	91.5	RALLS	48	0.1
58.0	NODAWAY	113	0.3	93.5	MARIES	47	0.1
			Second Quartile	93.5	MONROE	47	0.1
				95.0	HICKORY	46	0.1
			Third Quartile	96.0	HOWARD	44	0.1
59.0	MACON	109	0.3	97.0	CHARITON	43	0.1
60.0	DENT	107	0.2	98.5	DAVISS	42	0.1
61.0	STE. GENEVIEVE	106	0.2	98.5	OZARK	42	0.1
62.0	MONTGOMERY	104	0.2	100.0	HOLT	35	0.1
63.0	RAY	96	0.2	101.0	DADE	34	0.1
64.5	WASHINGTON	94	0.2	102.0	CARTER	33	0.1
64.5	WRIGHT	94	0.2	103.0	CALDWELL	32	0.1
66.0	MISSISSIPPI	92	0.2	104.0	SULLIVAN	30	0.1
67.5	DALLAS	91	0.2	105.0	REYNOLDS	29	0.1
67.5	LINN	91	0.2	106.5	SCOTLAND	25	0.1
69.0	GASCONADE	90	0.2	106.5	SHANNON	25	0.1
70.0	PIKE	86	0.2	109.0	GENTRY	23	0.1
71.0	WAYNE	84	0.2	109.0	MERCER	23	0.1
72.0	MONITEAU	83	0.2	109.0	SHELBY	23	0.1
73.5	BATES	80	0.2	111.0	PUTNAM	21	0.0
73.5	CLINTON	80	0.2	112.0	ATCHISON	18	0.0
75.0	RIPLEY	75	0.2	113.0	SCHUYLER	17	0.0
76.0	BARTON	74	0.2	114.0	KNOX	14	0.0
				115.0	WORTH	11	0.0

TABLE 3.4.15

2002 OLDER DRIVER INVOLVED CRASHES

CITY LISTING

RANK	CITY	FREQUENCY	PERCENT ¹
1.0	KANSAS CITY	3,970	12.1
2.0	ST. LOUIS	3,658	11.2
3.0	SPRINGFIELD	2,034	6.2
4.0	INDEPENDENCE	1,073	3.3
5.0	ST. JOSEPH	718	2.2
6.0	JOPLIN	709	2.2
7.0	COLUMBIA	606	1.9
8.0	ST. CHARLES	581	1.8
9.0	CAPE GIRARDEAU	539	1.6
10.0	FLORISSANT	509	1.6
11.0	JEFFERSON CITY	505	1.5
12.0	LEE'S SUMMIT	480	1.5
13.0	ST. PETERS	469	1.4
14.0	CREVE COEUR	449	1.4
15.0	CHESTERFIELD	412	1.3
16.0	MARYLAND HEIGHTS	402	1.2
17.0	O'FALLON	345	1.1
18.0	KIRKWOOD	320	1.0
19.0	POPLAR BLUFF	312	1.0
20.5	BRANSON	296	0.9
20.5	SEDALIA	296	0.9
22.0	BLUE SPRINGS	291	0.9
23.5	BRIDGETON	265	0.8
23.5	TOWN AND COUNTRY	265	0.8
25.0	RAYTOWN	248	0.8
26.0	ROLLA	247	0.8
27.0	SUNSET HILLS	243	0.7
28.0	RICHMOND HEIGHTS	234	0.7
29.0	ARNOLD	233	0.7
30.0	GLADSTONE	223	0.7
31.0	LIBERTY	222	0.7
32.0	HAZELWOOD	216	0.7
33.0	LEBANON	212	0.6
34.0	UNIVERSITY CITY	211	0.6
35.0	SIKESTON	206	0.6
36.0	HANNIBAL	203	0.6
37.0	FERGUSON	187	0.6
38.0	FARMINGTON	173	0.5
39.0	CLAYTON	171	0.5
40.0	WEST PLAINS	169	0.5
41.0	NORTH KANSAS CITY	164	0.5
42.0	HARRISONVILLE	158	0.5
43.0	MOBERLY	156	0.5
44.0	WEBSTER GROVES	153	0.5
45.0	OSAGE BEACH	148	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**

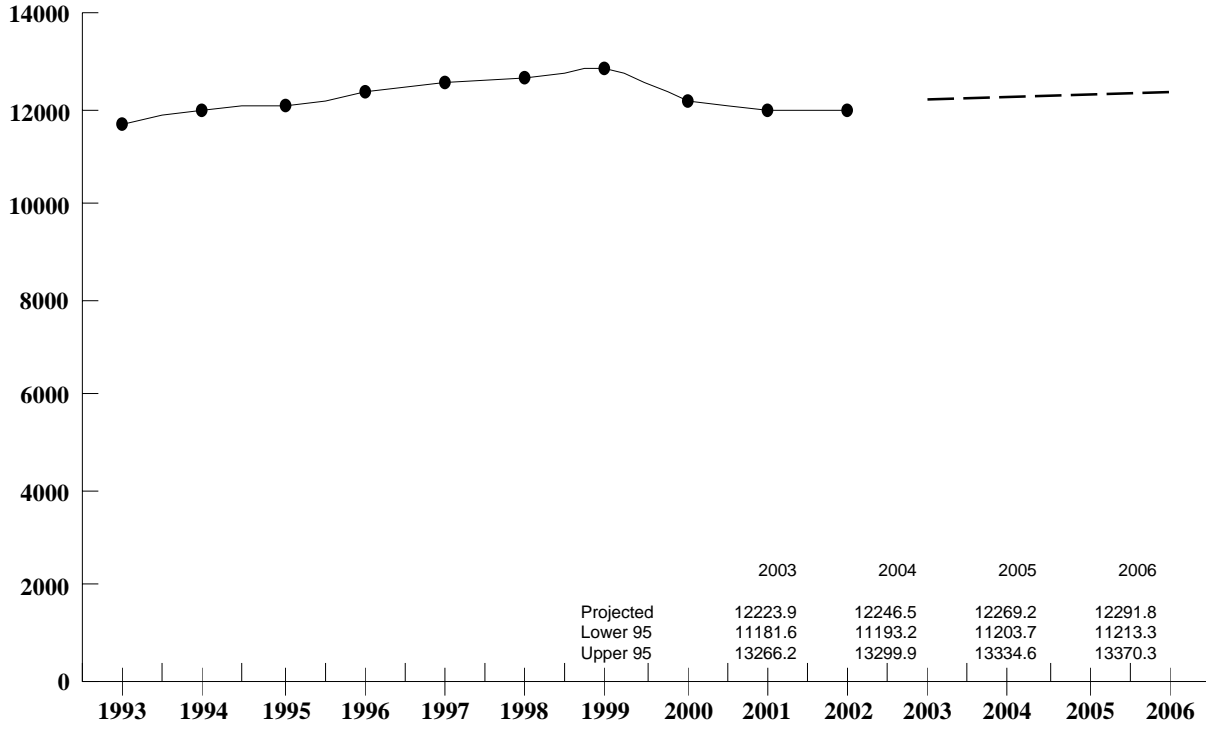


FIGURE 3.4.4

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 Combined Vehicle Weight Rating (GCVW) 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 involved in these traffic crashes.

2002 SUMMARY ANALYSIS

- Of all 2002 Missouri traffic crashes, 3.9% involved a commercial motor vehicle. Of all fatal traffic crashes, 17.8% involved a commercial motor vehicle. A total of 214 persons were killed and 5,448 were injured in commercial motor vehicle crashes.
- In 2002, one person was killed or injured in a commercial motor vehicle related crash every 1.5 hours in the State of Missouri.
- Of all 2002 commercial motor vehicle crashes, the first harmful event in 67.9% of the cases involved one motor vehicle in transport striking another motor vehicle in transport. In 14.9% of the cases, it involved a motor vehicle striking a fixed object.
- Of all 2002 commercial motor vehicle involved crashes, 44.7% occurred in an urban area of the State and 55.3% occurred in a rural area. However, in those cases where commercial motor vehicles were involved in fatal crashes 71.9% occurred in rural area.
- Of all commercial motor vehicles involved in 2002 traffic crashes, 39.6% were non-placarded truck-tractors with one unit, 31.2% were non-placarded single unit trucks, and 16.3% were non-placarded pick-up trucks.
- Of all commercial motor vehicle drivers involved in 2002 traffic crashes, 91.9% were male and 8.1% were female. The average age of commercial motor vehicle drivers was 41.4 years.
- Of all commercial motor vehicle drivers involved in these crashes, 67.8% had a Missouri driver's license, 31.3% had an out-of-state driver's license, and 0.9% were unlicensed at the time of the traffic crash.

2002 MISSOURI TRAFFIC CRASHES

COMMERCIAL MOTOR VEHICLE INVOLVEMENT

	FATAL		PERSONAL INJURY		PROPERTY DAMAGE		TOTAL	%		TOTAL NUMBER ¹		COMM. MOTOR VEH. DRIVERS/PASSENGERS ²	
		%		%		%		KILLED	INJURED	%	KILLED	INJURED	KILLED
COMMERCIAL MOTOR VEHICLE INVOLVED	192	17.8	3,253	6.8	3,436	2.7	6,881	214	5,448	3.9	32	1,903	
NO COMMERCIAL MOTOR VEHICLE INVOLVED	885	82.2	44,450	93.2	125,996	97.3	171,331	989	66,800	96.1	-	-	
UNKNOWN ³	5	-	270	-	7,299	-	7,574	5	351	-	-	-	
TOTAL	1,082	100.0	47,973	100.0	136,731	100.0	185,786	1,208	72,599	100.0	32	1,903	

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

2002 COMMERCIAL MOTOR VEHICLE INVOLVED CRASHES

CRASH TYPE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
ANIMAL	2	1.0	11	0.3	48	1.4	61	0.9
BICYCLIST	2	1.0	11	0.3	0	0.0	13	0.2
FIXED OBJECT	23	12.0	394	12.1	606	17.6	1,023	14.9
OTHER OBJECT	3	1.6	17	0.5	31	0.9	51	0.7
PEDESTRIAN	10	5.2	37	1.1	1	0.0	48	0.7
TRAIN	1	0.5	0	0.0	5	0.2	6	0.1
VEHICLE IN TRANSPORT	124	64.6	2,395	73.6	2,153	62.7	4,672	67.9
VEHICLE ON OTHER ROADWAY	11	5.7	27	0.8	22	0.6	60	0.9
PARKED VEHICLE	4	2.1	85	2.6	122	3.6	211	3.1
NONCOLLISION OVERTURN	10	5.2	249	7.7	296	8.6	555	8.1
NONCOLLISION OTHER	2	1.0	27	0.8	152	4.4	181	2.6
TOTAL	192	100.0	3,253	100.0	3,436	100.0	6,881	100.0

TABLE 3.5.2

2002 COMMERCIAL MOTOR VEHICLE INVOLVED CRASHES

AREA CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
URBAN	54	28.1	1,540	47.3	1,482	43.1	3,076	44.7
RURAL	138	71.9	1,713	52.7	1,954	56.9	3,805	55.3
TOTAL	192	100.0	3,253	100.0	3,436	100.0	6,881	100.0

TABLE 3.5.3

2002 COMMERCIAL MOTOR VEHICLE INVOLVED CRASHES

ROAD CURVATURE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
STRAIGHT	147	76.6	2,671	82.3	2,763	81.8	5,581	81.9
CURVE	45	23.4	574	17.7	613	18.2	1,232	18.1
UNKNOWN	0	-	8	-	60	-	68	-
TOTAL	192	100.0	3,253	100.0	3,436	100.0	6,881	100.0

TABLE 3.5.4

2002 COMMERCIAL MOTOR VEHICLE INVOLVED CRASHES

ROAD INCLINE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
LEVEL	110	57.3	2,012	62.2	2,092	62.2	4,214	62.1
HILL	78	40.6	1,117	34.6	1,166	34.7	2,361	34.8
CREST	4	2.1	103	3.2	104	3.1	211	3.1
UNKNOWN	0	-	21	-	74	-	95	-
TOTAL	192	100.0	3,253	100.0	3,436	100.0	6,881	100.0

TABLE 3.5.5

2002 COMMERCIAL MOTOR VEHICLE INVOLVED CRASHES

ROAD CONDITIONS BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRY	155	80.7	2,563	79.3	2,526	73.7	5,244	76.5
WET	30	15.6	494	15.3	617	18.0	1,141	16.7
SNOW	3	1.6	125	3.9	189	5.5	317	4.6
ICE	4	2.1	39	1.2	72	2.1	115	1.7
SLUSH	0	0.0	10	0.3	17	0.5	27	0.4
MUD	0	0.0	0	0.0	1	0.0	1	0.0
STANDING WATER	0	0.0	2	0.1	2	0.1	4	0.1
MOVING WATER	0	0.0	0	0.0	2	0.1	2	0.0
UNKNOWN	0	-	20	-	10	-	30	-
TOTAL	192	100.0	3,253	100.0	3,436	100.0	6,881	100.0

TABLE 3.5.6

2002 COMMERCIAL MOTOR VEHICLE INVOLVED CRASHES

HIGHWAY CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	53	27.6	802	24.7	1,016	29.6	1,871	27.2
U.S. HIGHWAY	46	24.0	537	16.5	518	15.1	1,101	16.0
STATE NUMBERED	47	24.5	586	18.0	538	15.7	1,171	17.0
SINGLE STATE LETTERED	16	8.3	241	7.4	226	6.6	483	7.0
DOUBLE STATE LETTERED	3	1.6	97	3.0	98	2.9	198	2.9
OUTER ROAD	1	0.5	21	0.7	25	0.7	47	0.7
COUNTY ROAD	10	5.2	208	6.4	253	7.4	471	6.8
CITY STREET	15	7.8	689	21.2	701	20.4	1,405	20.4
INTERSTATE LOOP	1	0.5	13	0.4	11	0.3	25	0.4
OTHER ¹	0	0.0	59	1.8	50	1.5	109	1.6
TOTAL	192	100.0	3,253	100.0	3,436	100.0	6,881	100.0

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

TABLE 3.5.7

2002 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	21	38.9	393	25.5	435	29.4	849	27.6	32	23.2	409	23.9	581	29.7	1,022	26.9
U.S. HIGHWAY	6	11.1	160	10.4	152	10.3	318	10.3	40	29.0	377	22.0	366	18.7	783	20.6
STATE NUMBERED	8	14.8	202	13.1	141	9.5	351	11.4	39	28.3	384	22.4	397	20.3	820	21.6
SINGLE STATE LETTERED	2	3.7	35	2.3	26	1.8	63	2.1	14	10.1	206	12.0	200	10.2	420	11.0
DOUBLE STATE LETTERED	0	0.0	15	1.0	14	0.9	29	0.9	3	2.2	82	4.8	84	4.3	169	4.4
OUTER ROAD	0	0.0	10	0.7	11	0.7	21	0.7	1	0.7	11	0.6	14	0.7	26	0.7
COUNTY ROAD	1	1.9	30	2.0	33	2.2	64	2.1	9	6.5	178	10.4	220	11.3	407	10.7
CITY STREET	15	27.8	641	41.6	626	42.2	1,282	41.7	0	0.0	48	2.8	75	3.8	123	3.2
INTERSTATE LOOP	1	1.9	9	0.6	8	0.5	18	0.6	0	0.0	4	0.2	3	0.2	7	0.2
OTHER ¹	0	0.0	45	2.9	36	2.4	81	2.6	0	0.0	14	0.8	14	0.7	28	0.7
TOTAL	54	100.0	1,540	100.0	1,482	100.0	3,076	100.0	138	100.0	1,713	100.0	1,954	100.0	3,805	100.0

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

TABLE 3.5.9

**2002 MISSOURI COMMERCIAL MOTOR VEHICLE INVOLVED CRASHES
MONTH OF YEAR**

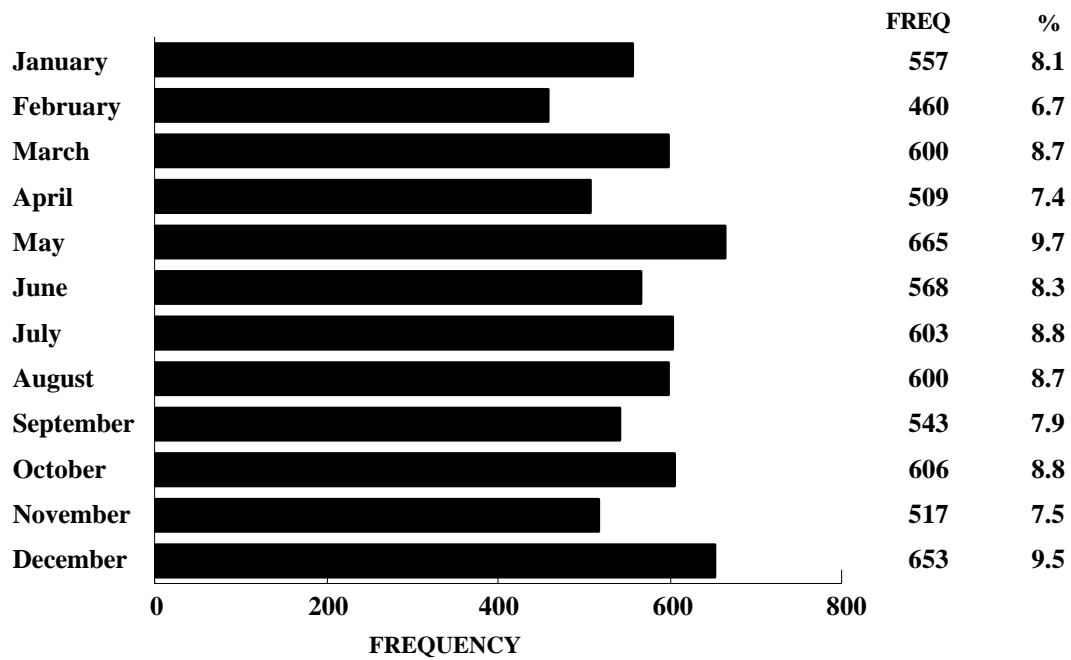
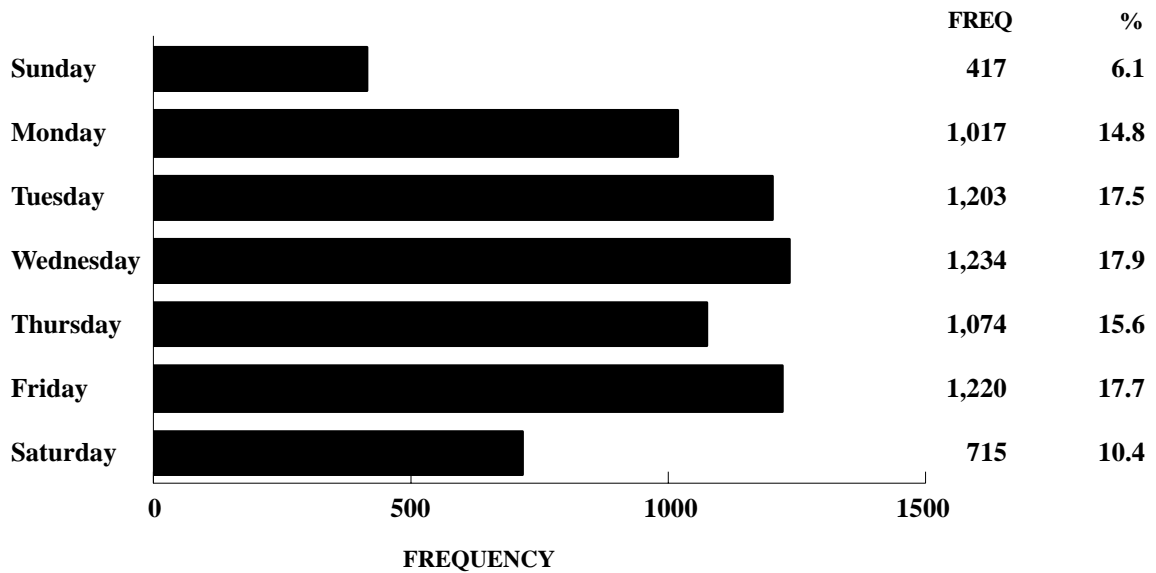


FIGURE 3.5.1

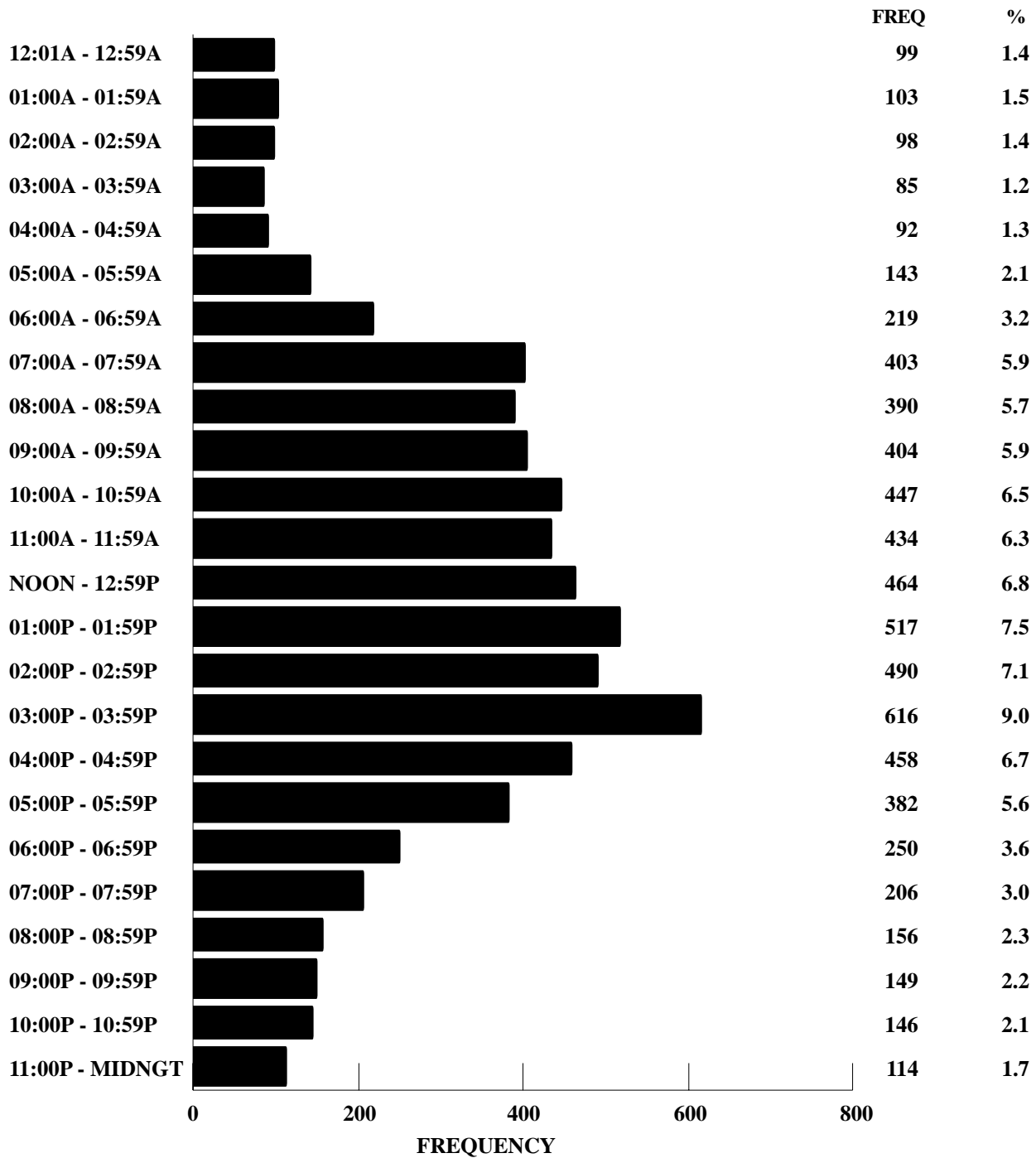
**2002 MISSOURI COMMERCIAL MOTOR VEHICLE INVOLVED CRASHES
DAY OF WEEK**



Unknown Data Not Included

FIGURE 3.5.2

**2002 MISSOURI COMMERCIAL MOTOR VEHICLE INVOLVED CRASHES
HOUR OF DAY**



Unknown Data Not Included

FIGURE 3.5.3

2002 MISSOURI COMMERCIAL MOTOR VEHICLE CRASHES

TYPE OF CIRCUMSTANCE INVOLVED BY CRASH SEVERITY AND PERSON CLASSIFICATION¹

FATAL COMMERCIAL MOTOR VEHICLE CRASHES = 192				TOTAL COMMERCIAL MOTOR VEHICLE CRASHES = 6,881		
	COMM. M. V. DRIVER/ VEHICLE	OTHER DRIVER/ VEHICLE/PED.	TOTAL FATAL	COMM. M. V. DRIVER/ VEHICLE	OTHER DRIVER/ VEHICLE/PED.	TOTAL CRASHES
VEHICLE DEFECTS	5.2	2.1	7.3	6.1	1.4	7.5
TRAFFIC CONTROL INOPERATIVE / MISSING	0.0	0.0	0.0	0.0	0.1	0.1
IMPROPERLY STOPPED ON ROADWAY	1.0	0.0	1.0	0.6	0.5	1.1
EXCEEDING SPEED LIMIT/ TOO FAST FOR CONDITIONS	12.0	15.6	27.1	13.1	10.1	22.8
IMPROPER PASSING	0.5	1.6	2.1	0.8	1.9	2.7
VIOLATION OF STOP SIGN	1.6	3.1	4.7	2.0	2.7	4.7
WRONG SIDE NOT PASSING	5.2	14.6	19.8	2.0	2.3	4.2
FOLLOWING TOO CLOSE	2.1	4.7	6.3	6.3	5.5	11.5
IMPROPER SIGNAL	0.5	0.0	0.5	0.1	0.2	0.3
IMPROPER BACKING	0.5	0.0	0.5	1.2	0.1	1.3
IMPROPER TURN	0.5	2.6	3.1	2.1	1.4	3.5
IMPROPER LANE USAGE / CHANGE	3.6	7.8	11.4	7.0	5.6	12.3
WRONG WAY ONE-WAY STREET	0.0	2.6	2.6	0.0	0.2	0.2
IMPROPER START FROM PARK	0.0	0.5	0.5	0.1	0.0	0.1
IMPROPERLY PARKED	0.5	0.0	0.5	0.3	0.3	0.6
FAILED TO YIELD	4.2	12.0	16.1	6.7	8.4	15.0
DRINKING	2.1	10.9	13.0	1.8	2.7	4.4
DRUGS	1.0	1.0	1.6	0.2	0.5	0.6
PHYSICAL IMPAIRMENT	4.7	2.1	6.8	2.1	1.1	3.2
INATTENTION	12.0	15.6	26.6	15.7	13.2	27.3

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 2002 Missouri fatal commercial motor vehicle crashes, it was found that a commercial motor vehicle driver was speeding in 12.0% of the crashes. In 15.6% of the crashes another driver was speeding. In 27.1% of the crashes either a commercial motor vehicle driver, another driver, or both drivers were speeding.

TABLE 3.5.9

COMMERCIAL MOTOR VEHICLES INVOLVED IN 2002 MISSOURI CRASHES

TYPE OF COMMERCIAL MOTOR VEHICLE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
PLACARDED								
VAN	0	0.0	0	0.0	1	0.0	1	0.0
OTHER TRANSPORT DEVICE	0	0.0	0	0.0	1	0.0	1	0.0
PICKUP TRUCK	0	0.0	1	0.0	2	0.1	3	0.0
SINGLE UNIT TRUCK	0	0.0	8	0.2	10	0.3	18	0.2
TRUCK-TRACTOR - 1 UNIT	3	1.4	20	0.6	17	0.5	40	0.5
TRUCK-TRACTOR - 2 UNITS	1	0.5	0	0.0	1	0.0	2	0.0
NON-PLACARDED TRUCKS HAVING A GCVWR OF 10,001 POUNDS OR MORE								
PICK-UP TRUCK	26	12.4	586	16.8	589	16.1	1,201	16.3
SINGLE UNIT TRUCK	66	31.6	1,126	32.3	1,099	30.1	2,291	31.2
TRUCK-TRACTOR - NO UNITS	7	3.3	65	1.9	67	1.8	139	1.9
TRUCK-TRACTOR - 1 UNIT	88	42.1	1,275	36.5	1,546	42.3	2,909	39.6
TRUCK-TRACTOR - 2 UNITS	7	3.3	47	1.3	75	2.1	129	1.8
TRUCK-TRACTOR - 3 UNITS	0	0.0	2	0.1	3	0.1	5	0.1
OTHER HEAVY TRUCKS	4	1.9	63	1.8	73	2.0	140	1.9
NON-PLACARDED BUS - 16 OR MORE SEATING CAPACITY								
BUS	4	1.9	142	4.1	71	1.9	217	3.0
SCHOOL BUS	3	1.4	155	4.4	97	2.7	255	3.5
TOTAL	209	100.0	3,490	100.0	3,652	100.0	7,351	100.0

TABLE 3.5.10

COMMERCIAL MOTOR VEHICLES INVOLVED IN 2002 MISSOURI CRASHES

DRIVER INVOLVEMENT BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRIVERLESS	5	2.4	101	2.9	92	2.5	198	2.7
KNOWN DRIVER INVOLVED	203	97.1	3,317	95.0	3,447	94.4	6,967	94.8
UNKNOWN DRIVER INVOLVED	1	0.5	72	2.1	113	3.1	186	2.5
TOTAL	209	100.0	3,490	100.0	3,652	100.0	7,351	100.0

TABLE 3.5.11

DRIVERS OF COMMERCIAL MOTOR VEHICLES INVOLVED IN 2002 MISSOURI CRASHES

SEX OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MALE	194	95.6	3,002	90.7	3,150	92.8	6,346	91.9
FEMALE	9	4.4	307	9.3	243	7.2	559	8.1
UNKNOWN	1	-	80	-	167	-	248	-
TOTAL	204	100.0	3,389	100.0	3,560	100.0	7,153	100.0

TABLE 3.5.12

DRIVERS OF COMMERCIAL MOTOR VEHICLES INVOLVED IN 2002 MISSOURI CRASHES

AGE OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AVERAGE AGE OF DRIVER	42.3	-	41.4	-	41.2	-	41.4	-
15 YEARS AND UNDER	0	0.0	1	0.0	1	0.0	2	0.0
16 - 20 YEARS	4	2.0	112	3.4	105	3.1	221	3.2
21 - 25 YEARS	19	9.4	271	8.2	309	9.1	599	8.7
26 - 30 YEARS	23	11.3	365	11.1	361	10.6	749	10.8
31 - 35 YEARS	24	11.8	414	12.6	413	12.1	851	12.3
36 - 40 YEARS	21	10.3	475	14.4	488	14.3	984	14.2
41 - 45 YEARS	27	13.3	421	12.8	497	14.6	945	13.7
46 - 50 YEARS	26	12.8	414	12.6	401	11.8	841	12.2
51 - 55 YEARS	27	13.3	337	10.2	345	10.1	709	10.3
56 - 60 YEARS	16	7.9	233	7.1	252	7.4	501	7.3
61 - 65 YEARS	8	3.9	129	3.9	139	4.1	276	4.0
66 YEARS AND OVER	8	3.9	126	3.8	101	3.0	235	3.3
UNKNOWN	1	-	91	-	148	-	240	-
TOTAL	204	100.0	3,389	100.0	3,560	100.0	7,153	100.0

TABLE 3.5.13

DRIVERS OF COMMERCIAL MOTOR VEHICLES INVOLVED IN 2002 MISSOURI CRASHES

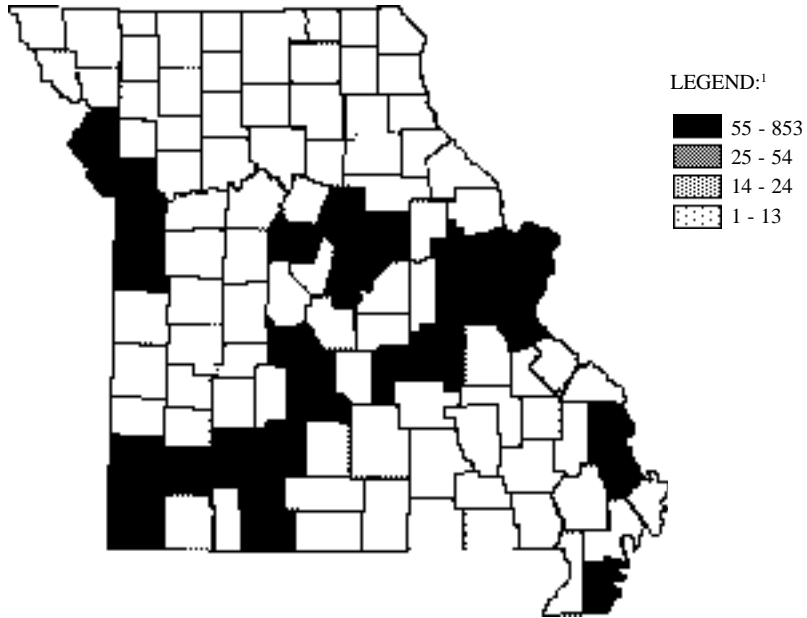
DRIVER'S LICENSE STATE AND TYPE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MISSOURI								
LEARNER'S PERMIT	0	0.0	3	0.1	3	0.1	6	0.1
OPERATOR'S LICENSE	36	17.8	933	28.5	852	25.3	1,821	26.6
MOTORCYCLE ONLY	0	0.0	0	0.0	0	0.0	0	0.0
COMMERCIAL DRIVER'S LICENSE	83	41.1	1,353	41.3	1,373	40.8	2,809	41.1
SUBTOTAL	119	58.9	2,289	69.9	2,228	66.2	4,636	67.8
OUT STATE								
LEARNER'S PERMIT	0	0.0	0	0.0	3	0.1	3	0.0
OPERATOR'S LICENSE	10	5.0	151	4.6	180	5.4	341	5.0
MOTORCYCLE ONLY	0	0.0	0	0.0	0	0.0	0	0.0
COMMERCIAL DRIVER'S LICENSE	68	33.7	797	24.4	934	27.7	1,799	26.3
SUBTOTAL	78	38.6	948	29.0	1,117	33.2	2,143	31.3
UNLICENSED	5	2.5	36	1.1	22	0.7	63	0.9
UNKNOWN	2	-	116	-	193	-	311	-
TOTAL	204	100.0	3,389	100.0	3,560	100.0	7,153	100.0

TABLE 3.5.14

2002 COMMERCIAL MOTOR VEHICLE INVOLVED CRASHES

COUNTY QUARTILE ANALYSIS



¹ LEGEND CATEGORIES ARE BASED ON QUARTILES OF COUNTIES.

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
1.0	ST. LOUIS	853	12.4	21.5	LAWRENCE	71	1.0
2.0	JACKSON	754	11.0	23.0	PLATTE	68	1.0
3.0	ST. LOUIS CITY	489	7.1	24.0	TANEY	64	0.9
4.0	ST. CHARLES	327	4.8	25.0	WEBSTER	63	0.9
5.0	GREENE	298	4.3	26.0	COOPER	60	0.9
6.0	JEFFERSON	237	3.4	27.0	CAMDEN	58	0.8
7.0	CLAY	228	3.3	29.0	PEMISCOT	55	0.8
8.0	FRANKLIN	158	2.3	29.0	SCOTT	55	0.8
9.0	BOONE	134	1.9	29.0	WARREN	55	0.8
10.0	JASPER	127	1.8				
11.0	PHELPS	115	1.7				First Quartile
12.0	CALLAWAY	87	1.3				Second Quartile
13.5	BUCHANAN	84	1.2	31.5	LAFAYETTE	54	0.8
13.5	MC DONALD	84	1.2	31.5	PETTIS	54	0.8
15.0	LACLEDE	81	1.2	33.5	NEW MADRID	49	0.7
16.0	CAPE GIRARDEAU	78	1.1	33.5	ST. FRANCOIS	49	0.7
17.5	CASS	74	1.1	36.0	HOWELL	47	0.7
17.5	COLE	74	1.1	36.0	PULASKI	47	0.7
19.0	CHRISTIAN	73	1.1	36.0	SALINE	47	0.7
20.0	NEWTON	72	1.0	39.0	BARRY	42	0.6
21.5	CRAWFORD	71	1.0	39.0	DUNKLIN	42	0.6

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
39.0	LINCOLN	42	0.6	78.5	CLARK	16	0.2
41.0	MARION	40	0.6	78.5	HENRY	16	0.2
42.5	CLINTON	39	0.6	80.5	MORGAN	15	0.2
42.5	MONTGOMERY	39	0.6	80.5	WAYNE	15	0.2
44.0	MILLER	38	0.6	84.5	BENTON	14	0.2
45.5	STODDARD	36	0.5	84.5	GRUNDY	14	0.2
45.5	VERNON	36	0.5	84.5	HARRISON	14	0.2
48.0	BATES	35	0.5	84.5	LINN	14	0.2
48.0	JOHNSON	35	0.5	84.5	MARIES	14	0.2
48.0	MACON	35	0.5	84.5	RANDOLPH	14	0.2
50.0	TEXAS	34	0.5				
51.0	STE. GENEVIEVE	33	0.5				Third Quartile
52.0	BUTLER	32	0.5				
53.0	POLK	30	0.4				Fourth Quartile
54.5	PERRY	29	0.4	88.5	DE KALB	13	0.2
54.5	RAY	29	0.4	88.5	DENT	13	0.2
56.0	ADAIR	26	0.4	90.5	LEWIS	12	0.2
57.5	OSAGE	25	0.4	90.5	MERCER	12	0.2
57.5	STONE	25	0.4	93.5	CALDWELL	11	0.2
			Second Quartile	93.5	MADISON	11	0.2
				93.5	REYNOLDS	11	0.2
			Third Quartile	93.5	SHANNON	11	0.2
60.0	BARTON	24	0.3	97.5	ATCHISON	10	0.1
60.0	MISSISSIPPI	24	0.3	97.5	CHARITON	10	0.1
60.0	RALLS	24	0.3	97.5	RIPLEY	10	0.1
62.5	CARTER	23	0.3	97.5	ST. CLAIR	10	0.1
62.5	PIKE	23	0.3	100.5	DADE	9	0.1
64.5	AUDRAIN	22	0.3	100.5	MONROE	9	0.1
64.5	WASHINGTON	22	0.3	102.5	BOLLINGER	8	0.1
67.0	GASCONADE	21	0.3	102.5	OZARK	8	0.1
67.0	IRON	21	0.3	104.5	CARROLL	7	0.1
67.0	WRIGHT	21	0.3	104.5	SHELBY	7	0.1
70.0	LIVINGSTON	20	0.3	107.0	CEDAR	6	0.1
70.0	NODAWAY	20	0.3	107.0	PUTNAM	6	0.1
70.0	OREGON	20	0.3	107.0	SCHUYLER	6	0.1
72.0	DOUGLAS	19	0.3	109.5	HOWARD	5	0.1
74.0	ANDREW	18	0.3	109.5	SULLIVAN	5	0.1
74.0	DALLAS	18	0.3	112.5	GENTRY	4	0.1
74.0	DAVIESS	18	0.3	112.5	HICKORY	4	0.1
76.5	HOLT	17	0.2	112.5	KNOX	4	0.1
76.5	MONITEAU	17	0.2	112.5	WORTH	4	0.1
				115.0	SCOTLAND	1	0.0

TABLE 3.5.15

2002 COMMERCIAL MOTOR VEHICLE INVOLVED CRASHES

CITY LISTING

RANK	CITY	FREQUENCY	PERCENT ¹
1.0	KANSAS CITY	560	16.0
2.0	ST. LOUIS	489	14.0
3.0	SPRINGFIELD	172	4.9
4.0	INDEPENDENCE	135	3.9
5.0	JOPLIN	66	1.9
6.0	ST. JOSEPH	65	1.9
7.0	ST. CHARLES	63	1.8
8.0	BRIDGETON	57	1.6
9.5	COLUMBIA	54	1.5
9.5	LEE'S SUMMIT	54	1.5
11.5	O'FALLON	51	1.5
11.5	ST. PETERS	51	1.5
13.0	MARYLAND HEIGHTS	49	1.4
14.0	CAPE GIRARDEAU	43	1.2
15.0	SUNSET HILLS	40	1.1
16.0	CREVE COEUR	39	1.1
17.5	JEFFERSON CITY	37	1.1
17.5	LIBERTY	37	1.1
19.0	HAZELWOOD	35	1.0
21.0	BLUE SPRINGS	32	0.9
21.0	CHESTERFIELD	32	0.9
21.0	TOWN AND COUNTRY	32	0.9
23.0	WENTZVILLE	31	0.9
24.0	ROLLA	26	0.7
25.0	SEDALIA	24	0.7
26.0	LAKE ST. LOUIS	23	0.7
27.0	HARRISONVILLE	22	0.6
29.5	BERKELEY	21	0.6
29.5	FLORISSANT	21	0.6
29.5	NORTH KANSAS CITY	21	0.6
29.5	RICHMOND HEIGHTS	21	0.6
32.0	SIKESTON	20	0.6
33.0	HANNIBAL	19	0.5
34.5	ARNOLD	18	0.5
34.5	OAK GROVE	18	0.5
37.0	EUREKA	17	0.5
37.0	GRANDVIEW	17	0.5
37.0	ST. JAMES	17	0.5
39.0	LADUE	16	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 3.5.16

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 involved in traffic crashes.

2002 SUMMARY ANALYSIS

- Of all 2002 Missouri traffic crashes, 0.9% involved a motorcycle. Of all fatal traffic crashes, 5.2% involved a motorcycle. A total of 58 persons were killed and 1,455 were injured in motorcycle crashes.
- There was an increase of 3.2% in the rate of change when comparing total 2002 motorcycle traffic crashes with those in 2001. There was an increase of 7.7% when comparing fatal 2002 motorcycle crashes with 2001.
- In 2002, one person was killed or injured in a motorcycle traffic crash every 5.8 hours in the State of Missouri.
- Of all 2002 motorcycle crashes, the first harmful event in 45.0% of the cases involved one motor vehicle in transport striking another motor vehicle in transport. In 23.3% of the cases, it involved a motor vehicle overturning. In fatal motorcycle traffic crashes, 33.9% of the cases involved a motor vehicle striking a fixed object.
- Of all 2002 motorcycle traffic crashes, 51.4% occurred in urban regions of the State and 48.6% occurred in rural areas. However, in fatal motorcycle crashes, 57.1% occurred in a rural area.
- Of all motorcycle drivers involved in traffic crashes, 94.5% were male and 5.5% were female. The average age of motorcyclists was 37.8 years.
- Motorcycle drivers were speeding in 48.2% of all fatal motorcycle involved traffic crashes and their drinking was a causative factor in 26.8% of these crashes.
- Of those motorcyclists involved in 2002 traffic crashes who wore a helmet, 30.6% were either killed or received a major disabling injury. Of those not wearing helmets, 49.2% were either killed or received a major disabling injury.

2002 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	56	5.2	1,199	2.5	340	0.3	1,595	0.9	58	1,455	58	1,329
NO MOTORCYCLE INVOLVED	1,019	94.8	46,523	97.5	130,764	99.7	178,306	99.1	1,142	70,807	-	-
UNKNOWN³	7	-	251	-	5,627	-	5,885	-	8	337	-	-
TOTAL	1,082	100.0	47,973	100.0	136,731	100.0	185,786	100.0	1,208	72,599	58	1,329

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

2001 and 2002 MOTORCYCLE INVOLVED CRASH ANALYSIS

	2001	2002	RATE OF CHANGE
FATAL	52	56	+ 7.7
PERSONAL INJURY	1,188	1,199	+ 0.9
PROPERTY DAMAGE	305	340	+ 11.5
TOTAL	1,545	1,595	+ 3.2

TABLE 3.6.2

2002 MOTORCYCLE INVOLVED CRASHES

CRASH TYPE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
ANIMAL	1	1.8	52	4.3	8	2.4	61	3.8
BICYCLIST	0	0.0	5	0.4	0	0.0	5	0.3
FIXED OBJECT	19	33.9	253	21.1	40	11.8	312	19.6
OTHER OBJECT	0	0.0	10	0.8	2	0.6	12	0.8
PEDESTRIAN	1	1.8	7	0.6	0	0.0	8	0.5
TRAIN	0	0.0	0	0.0	0	0.0	0	0.0
VEHICLE IN TRANSPORT	23	41.1	485	40.5	210	61.8	718	45.0
VEHICLE ON OTHER ROADWAY	0	0.0	0	0.0	0	0.0	0	0.0
PARKED VEHICLE	1	1.8	16	1.3	26	7.7	43	2.7
NONCOLLISION OVERTURN	10	17.9	320	26.7	42	12.4	372	23.3
NONCOLLISION OTHER	1	1.8	51	4.3	12	3.5	64	4.0
TOTAL	56	100.0	1,199	100.0	340	100.0	1,595	100.0

TABLE 3.6.3

2002 MOTORCYCLE INVOLVED CRASHES

AREA CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
URBAN	24	42.9	593	49.5	203	59.7	820	51.4
RURAL	32	57.1	606	50.5	137	40.3	775	48.6
TOTAL	56	100.0	1,199	100.0	340	100.0	1,595	100.0

TABLE 3.6.4

2002 MOTORCYCLE INVOLVED CRASHES

ROAD CURVATURE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
STRAIGHT	31	55.4	765	64.0	258	83.2	1,054	67.5
CURVE	25	44.6	430	36.0	52	16.8	507	32.5
UNKNOWN	0	-	4	-	30	-	34	-
TOTAL	56	100.0	1,199	100.0	340	100.0	1,595	100.0

TABLE 3.6.5

2002 MOTORCYCLE INVOLVED CRASHES

ROAD INCLINE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
LEVEL	25	45.4	719	60.5	201	65.3	945	60.9
HILL	26	47.3	426	35.8	92	29.9	544	35.0
CREST	4	7.3	44	3.7	15	4.9	63	4.1
UNKNOWN	1	-	10	-	32	-	43	-
TOTAL	56	100.0	1,199	100.0	340	100.0	1,595	100.0

TABLE 3.6.6

2002 MOTORCYCLE INVOLVED CRASHES

ROAD CONDITIONS BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRY	56	100.0	1,131	95.3	313	92.6	1,500	94.9
WET	0	0.0	55	4.6	25	7.4	80	5.1
SNOW	0	0.0	0	0.0	0	0.0	0	0.0
ICE	0	0.0	0	0.0	0	0.0	0	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	1	0.1	0	0.0	1	0.1
MOVING WATER	0	0.0	0	0.0	0	0.0	0	0.0
UNKNOWN	0	-	12	-	2	-	14	-
TOTAL	56	100.0	1,199	100.0	340	100.0	1,595	100.0

TABLE 3.6.7

2002 MOTORCYCLE INVOLVED CRASHES

HIGHWAY CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	3	5.4	83	6.9	28	8.2	114	7.2
U.S. HIGHWAY	10	17.9	123	10.3	35	10.3	168	10.5
STATE NUMBERED	13	23.2	234	19.5	64	18.8	311	19.5
SINGLE STATE LETTERED	7	12.5	151	12.6	22	6.5	180	11.3
DOUBLE STATE LETTERED	2	3.6	68	5.7	3	0.9	73	4.6
OUTER ROAD	0	0.0	11	0.9	2	0.6	13	0.8
COUNTY ROAD	10	17.9	114	9.5	26	7.7	150	9.4
CITY STREET	10	17.9	386	32.2	145	42.7	541	33.9
INTERSTATE LOOP	1	1.8	2	0.2	1	0.3	4	0.3
OTHER ¹	0	0.0	27	2.3	14	4.1	41	2.6
TOTAL	56	100.0	1,199	100.0	340	100.0	1,595	100.0

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

TABLE 3.6.8

2002 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	2	8.3	53	8.9	18	8.9	73	8.9	1	3.1	30	5.0	10	7.3	41	5.3
U.S. HIGHWAY	4	16.7	46	7.8	14	6.9	64	7.8	6	18.8	77	12.7	21	15.3	104	13.4
STATE NUMBERED	4	16.7	64	10.8	23	11.3	91	11.1	9	28.1	170	28.1	41	29.9	220	28.4
SINGLE STATE LETTERED	1	4.2	12	2.0	3	1.5	16	2.0	6	18.8	139	22.9	19	13.9	164	21.2
DOUBLE STATE LETTERED	0	0.0	14	2.4	0	0.0	14	1.7	2	6.3	54	8.9	3	2.2	59	7.6
OUTER ROAD	0	0.0	6	1.0	2	1.0	8	1.0	0	0.0	5	0.8	0	0.0	5	0.7
COUNTY ROAD	2	8.3	24	4.1	2	1.0	28	3.4	8	25.0	90	14.9	24	17.5	122	15.7
CITY STREET	10	41.7	350	59.0	128	63.1	488	59.5	0	0.0	36	5.9	17	12.4	53	6.8
INTERSTATE LOOP	1	4.2	2	0.3	1	0.5	4	0.5	0	0.0	0	0.0	0	0.0	0	0.0
OTHER ¹	0	0.0	22	3.7	12	5.9	34	4.2	0	0.0	5	0.8	2	1.5	7	0.9
TOTAL	24	100.0	593	100.0	203	100.0	820	100.0	32	100.0	606	100.0	137	100.0	775	100.0

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

TABLE 3.6.9

**2002 MISSOURI MOTORCYCLE INVOLVED CRASHES
MONTH OF YEAR**

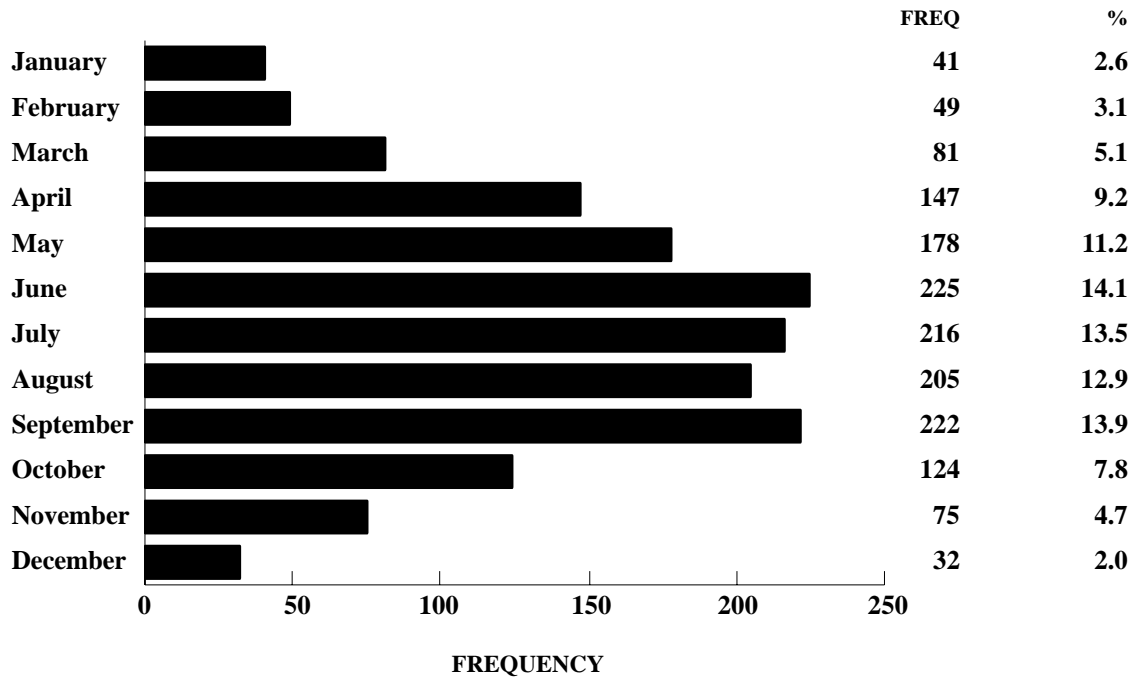


FIGURE 3.6.1

**2002 MISSOURI MOTORCYCLE INVOLVED CRASHES
DAY OF WEEK**

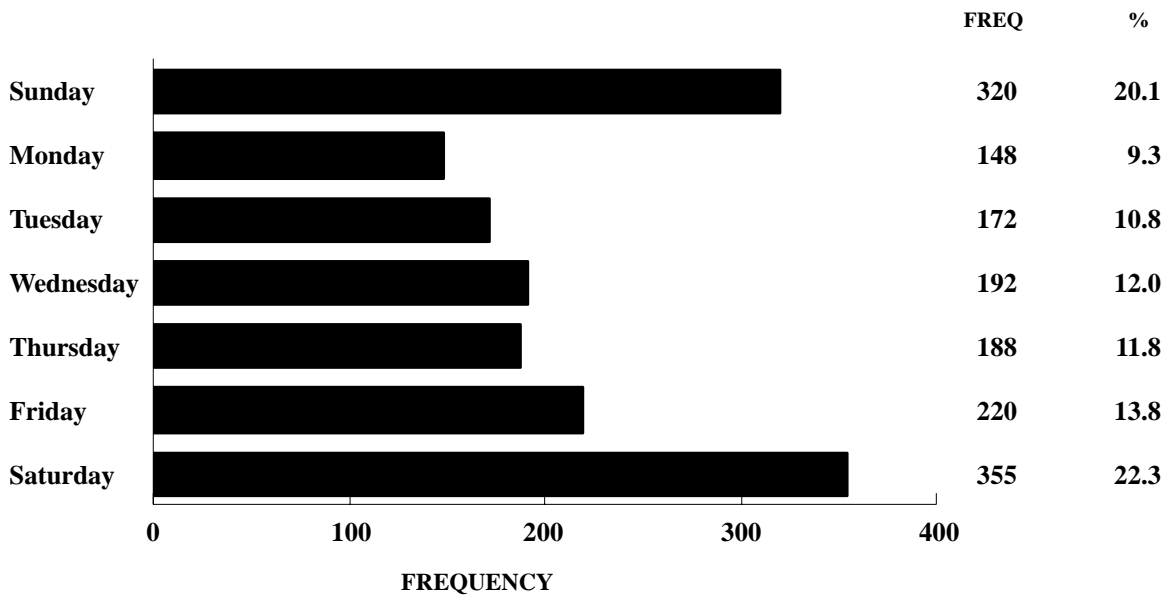
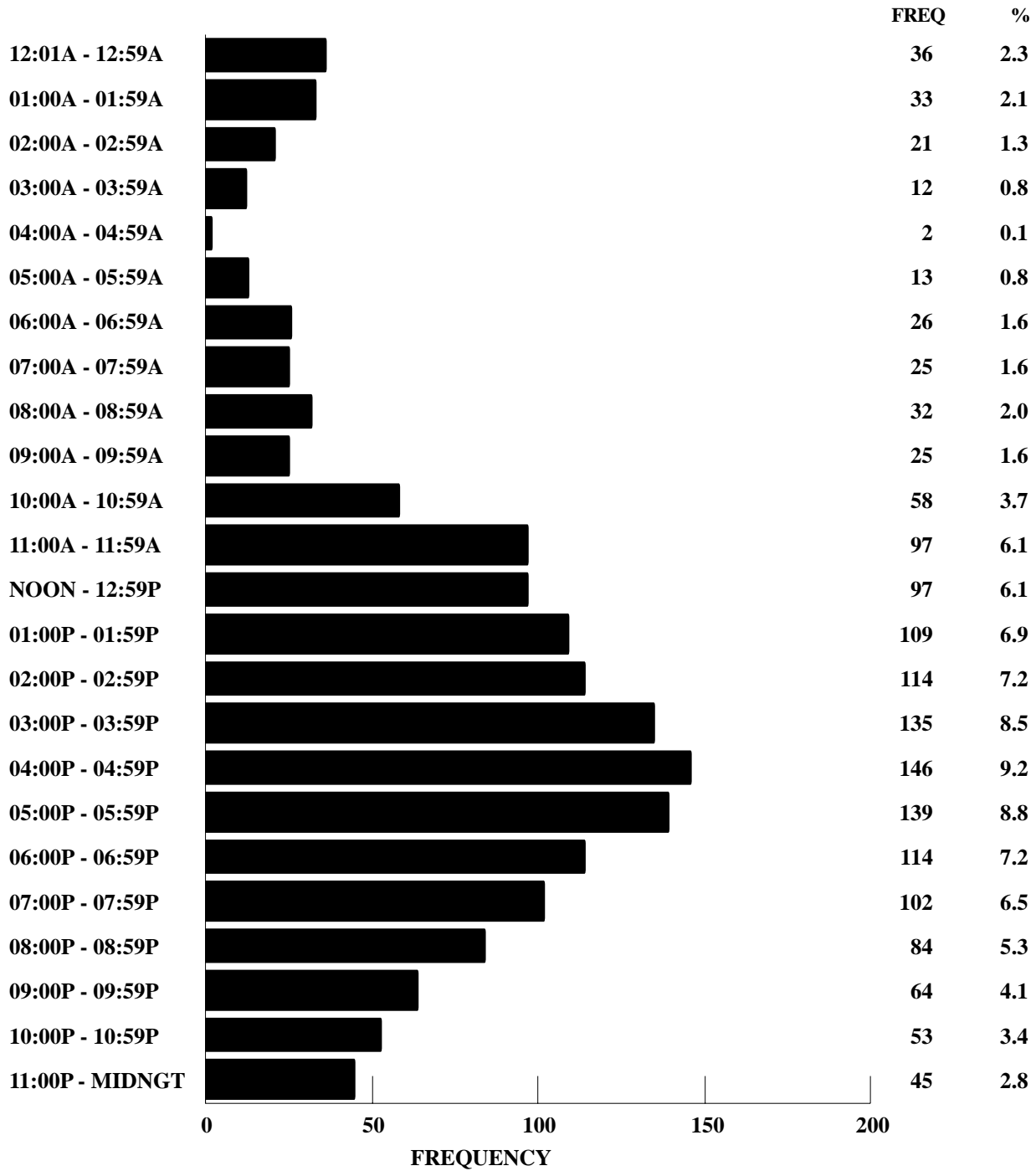


FIGURE 3.6.2

**2002 MISSOURI MOTORCYCLE INVOLVED CRASHES
HOUR OF DAY**



Unknown Data Not Included

FIGURE 3.6.3

2002 MISSOURI MOTORCYCLE CRASHES

TYPE OF CIRCUMSTANCE INVOLVED BY CRASH SEVERITY AND PERSON CLASSIFICATION¹

FATAL MOTORCYCLE CRASHES = 56				TOTAL MOTORCYCLE CRASHES = 1,595		
	MOTORCYCLE DRIVER/VEH.	OTHER DRIVER/VEHICLE/PED.	TOTAL FATAL	MOTORCYCLE DRIVER/VEH.	OTHER DRIVER/VEHICLE/PED.	TOTAL CRASHES
VEHICLE DEFECTS	3.6	0.0	3.6	2.8	0.6	3.3
TRAFFIC CONTROL INOPERATIVE / MISSING	0.0	0.0	0.0	0.1	0.1	0.1
IMPROPERLY STOPPED ON ROADWAY	0.0	0.0	0.0	0.1	0.3	0.4
EXCEEDING SPEED LIMIT / TOO FAST FOR CONDITIONS	48.2	1.8	50.0	25.9	1.3	27.1
IMPROPER PASSING	1.8	0.0	1.8	2.4	0.3	2.7
VIOLATION OF STOP SIGN	1.8	1.8	3.6	1.0	0.8	1.8
WRONG SIDE NOT PASSING	8.9	1.8	10.7	2.3	0.6	2.9
FOLLOWING TOO CLOSE	3.6	0.0	3.6	4.8	3.0	7.8
IMPROPER SIGNAL	0.0	0.0	0.0	0.1	0.5	0.6
IMPROPER BACKING	0.0	0.0	0.0	0.1	0.9	0.9
IMPROPER TURN	1.8	0.0	1.8	1.6	2.5	4.1
IMPROPER LANE USAGE / CHANGE	8.9	0.0	8.9	5.4	1.8	7.1
WRONG WAY ONE-WAY STREET	0.0	0.0	0.0	0.1	0.0	0.1
IMPROPER START FROM PARK	1.8	0.0	1.8	0.4	0.1	0.4
IMPROPERLY PARKED	0.0	0.0	0.0	0.1	0.2	0.3
FAILED TO YIELD	0.0	21.4	21.4	2.2	15.1	17.2
DRINKING	26.8	1.8	28.6	7.8	1.3	8.9
DRUGS	0.0	0.0	0.0	0.2	0.1	0.3
PHYSICAL IMPAIRMENT	1.8	0.0	1.8	0.4	0.2	0.6
INATTENTION	10.7	8.9	19.6	16.4	9.6	25.0

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 2002 Missouri fatal motorcycle crashes, it was found that a motorcyclist was speeding in 48.2% of the crashes. In 1.8% of the crashes another driver was speeding. In 50.0% of the crashes either a motorcyclist, another driver, or both drivers were speeding.

TABLE 3.6.10

MOTORCYCLES INVOLVED IN 2002 MISSOURI CRASHES

DRIVER INVOLVEMENT BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRIVERLESS	0	0.0	3	0.2	27	7.8	30	1.8
KNOWN DRIVER INVOLVED	57	100.0	1,225	99.4	298	85.9	1,580	96.5
UNKNOWN DRIVER INVOLVED	0	0.0	5	0.4	22	6.3	27	1.7
TOTAL	57	100.0	1,233	100.0	347	100.0	1,637	100.0

TABLE 3.6.11

DRIVERS OF MOTORCYCLES INVOLVED IN 2002 MISSOURI CRASHES

SEX OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MALE	57	100.0	1,153	94.1	262	95.3	1,472	94.5
FEMALE	0	0.0	72	5.9	13	4.7	85	5.5
UNKNOWN	0	-	5	-	45	-	50	-
TOTAL	57	100.0	1,230	100.0	320	100.0	1,607	100.0

TABLE 3.6.12

DRIVERS OF MOTORCYCLES INVOLVED IN 2002 MISSOURI CRASHES

AGE OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AVERAGE AGE OF DRIVER	37.1	-	37.4	-	39.6	-	37.8	-
14 YEARS AND UNDER	0	0.0	4	0.3	1	0.3	5	0.3
15 - 20 YEARS	4	7.0	116	9.5	22	7.6	142	9.1
21 - 25 YEARS	7	12.3	151	12.4	34	11.7	192	12.3
26 - 30 YEARS	11	19.3	137	11.3	21	7.2	169	10.8
31 - 35 YEARS	6	10.5	150	12.3	27	9.3	183	11.7
36 - 40 YEARS	4	7.0	144	11.8	41	14.1	189	12.1
41 - 45 YEARS	9	15.8	192	15.8	47	16.2	248	15.9
46 - 50 YEARS	8	14.0	135	11.1	36	12.4	179	11.4
51 - 55 YEARS	5	8.8	90	7.4	31	10.7	126	8.1
56 - 60 YEARS	1	1.8	42	3.5	15	5.2	58	3.7
61 - 65 YEARS	1	1.8	37	3.0	9	3.1	47	3.0
66 YEARS AND OVER	1	1.8	19	1.6	7	2.4	27	1.7
UNKNOWN	0	-	13	-	29	-	42	-
TOTAL	57	100.0	1,230	100.0	320	100.0	1,607	100.0

TABLE 3.6.13

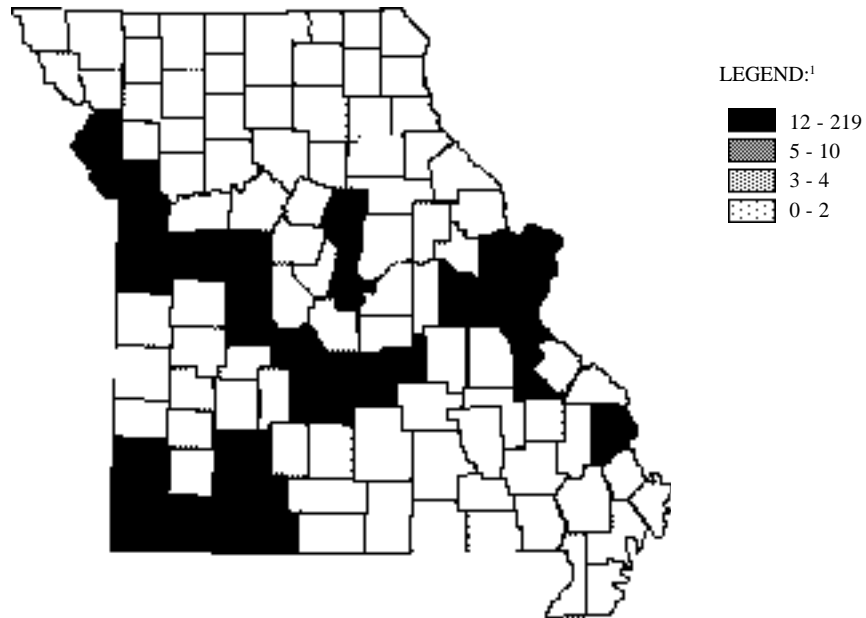
DRIVERS OF MOTORCYCLES INVOLVED IN 2002 MISSOURI CRASHES
HELMET USAGE BY PERSONAL INJURY SEVERITY

	KILLED	DISABLING	EVIDENT	PROBABLE	NONE	UNKNOWN	TOTAL
HELMET USED <i>ROW %</i>	44 3.5	340 27.1	516 41.1	110 8.8	247 19.7	10 -	1,267 100.0
HELMET NOT USED <i>ROW %</i>	6 10.2	23 39.0	18 30.5	6 10.2	6 10.2	0 -	59 100.0
HELMET USE UNKNOWN <i>ROW %</i>	6 2.5	48 20.0	94 39.2	23 9.6	69 28.7	41 -	281 100.0
TOTAL <i>ROW %</i>	56 3.6	411 26.4	628 40.4	139 8.9	322 20.7	51 -	1,607 100.0

TABLE 3.6.14

2002 MOTORCYCLE INVOLVED CRASHES

COUNTY QUARTILE ANALYSIS



¹ LEGEND CATEGORIES ARE BASED ON QUARTILES OF COUNTIES.

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
1.0	JACKSON	219	13.7	21.5	JOHNSON	18	1.1
2.0	ST. LOUIS	175	11.0	21.5	PULASKI	18	1.1
3.0	ST. LOUIS CITY	106	6.6	23.0	BARRY	16	1.0
4.0	ST. CHARLES	90	5.6	24.5	CAPE GIRARDEAU	15	0.9
5.0	GREENE	70	4.4	24.5	STONE	15	0.9
6.0	CLAY	55	3.4	26.0	MC DONALD	14	0.9
7.0	BOONE	48	3.0	27.5	LACLEDE	13	0.8
8.0	JEFFERSON	47	2.9	27.5	PHELPS	13	0.8
9.0	BUCHANAN	38	2.4	29.0	ST. FRANCOIS	12	0.8
10.0	JASPER	34	2.1				First Quartile
11.0	PLATTE	33	2.1				
13.0	CAMDEN	26	1.6				Second Quartile
13.0	CHRISTIAN	26	1.6	30.5	HOWELL	10	0.6
13.0	TANEY	26	1.6	30.5	WARREN	10	0.6
15.0	FRANKLIN	25	1.6	34.5	CALLAWAY	9	0.6
16.0	PETTIS	24	1.5	34.5	LINCOLN	9	0.6
17.0	COLE	22	1.4	34.5	MORGAN	9	0.6
18.0	BENTON	20	1.3	34.5	STE. GENEVIEVE	9	0.6
19.5	CASS	19	1.2	34.5	WASHINGTON	9	0.6
19.5	NEWTON	19	1.2	34.5	WEBSTER	9	0.6

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
39.0	BATES	8	0.5	79.5	HICKORY	3	0.2
39.0	BUTLER	8	0.5	79.5	HOLT	3	0.2
39.0	LAFAYETTE	8	0.5	79.5	HOWARD	3	0.2
42.0	CRAWFORD	7	0.4	79.5	LEWIS	3	0.2
42.0	LAWRENCE	7	0.4	79.5	LINN	3	0.2
42.0	MILLER	7	0.4	79.5	NEW MADRID	3	0.2
49.0	COOPER	6	0.4	79.5	NODAWAY	3	0.2
49.0	DALLAS	6	0.4	79.5	OREGON	3	0.2
49.0	DENT	6	0.4	79.5	OZARK	3	0.2
49.0	DUNKLIN	6	0.4	79.5	POLK	3	0.2
49.0	HENRY	6	0.4	79.5	VERNON	3	0.2
49.0	IRON	6	0.4				
49.0	RALLS	6	0.4				Third Quartile
49.0	RANDOLPH	6	0.4				
49.0	ST. CLAIR	6	0.4				Fourth Quartile
49.0	SALINE	6	0.4	91.0	CARROLL	2	0.1
49.0	SCOTT	6	0.4	91.0	DAVISS	2	0.1
57.5	CEDAR	5	0.3	91.0	MACON	2	0.1
57.5	CLINTON	5	0.3	91.0	OSAGE	2	0.1
57.5	DADE	5	0.3	91.0	REYNOLDS	2	0.1
57.5	MONTGOMERY	5	0.3	91.0	RIPLEY	2	0.1
57.5	PERRY	5	0.3	91.0	SHANNON	2	0.1
57.5	RAY	5	0.3	103.5	ANDREW	1	0.1
			Second Quartile	103.5	ATCHISON	1	0.1
				103.5	CHARITON	1	0.1
			Third Quartile	103.5	DOUGLAS	1	0.1
66.0	AUDRAIN	4	0.3	103.5	GENTRY	1	0.1
66.0	BARTON	4	0.3	103.5	GRUNDY	1	0.1
66.0	BOLLINGER	4	0.3	103.5	KNOX	1	0.1
66.0	LIVINGSTON	4	0.3	103.5	MADISON	1	0.1
66.0	MARIES	4	0.3	103.5	MERCER	1	0.1
66.0	MARION	4	0.3	103.5	MISSISSIPPI	1	0.1
66.0	MONITEAU	4	0.3	103.5	MONROE	1	0.1
66.0	PEMISCOT	4	0.3	103.5	PUTNAM	1	0.1
66.0	PIKE	4	0.3	103.5	SCHUYLER	1	0.1
66.0	TEXAS	4	0.3	103.5	SCOTLAND	1	0.1
66.0	WAYNE	4	0.3	103.5	SHELBY	1	0.1
79.5	ADAIR	3	0.2	103.5	STODDARD	1	0.1
79.5	CLARK	3	0.2	103.5	WORTH	1	0.1
79.5	DE KALB	3	0.2	103.5	WRIGHT	1	0.1
79.5	GASCONADE	3	0.2	114.0	CALDWELL	0	0.0
79.5	HARRISON	3	0.2	114.0	CARTER	0	0.0
				114.0	SULLIVAN	0	0.0

TABLE 3.6.15

2002 MOTORCYCLE INVOLVED CRASHES

CITY LISTING

RANK	CITY	FREQUENCY	PERCENT ¹
1.0	KANSAS CITY	130	14.0
2.0	ST. LOUIS	106	11.4
3.0	SPRINGFIELD	59	6.4
4.0	INDEPENDENCE	48	5.2
5.0	ST. JOSEPH	34	3.7
6.0	COLUMBIA	31	3.3
7.5	JOPLIN	22	2.4
7.5	LEE'S SUMMIT	22	2.4
9.0	ST. PETERS	20	2.2
10.0	ST. CHARLES	17	1.8
12.0	BRIDGETON	14	1.5
12.0	MARYLAND HEIGHTS	14	1.5
12.0	SEDALIA	14	1.5
14.0	GLADSTONE	13	1.4
15.5	CAPE GIRARDEAU	12	1.3
15.5	HAZELWOOD	12	1.3
17.0	JEFFERSON CITY	10	1.1
19.5	BLUE SPRINGS	9	1.0
19.5	FLORISSANT	9	1.0
19.5	LEBANON	9	1.0
19.5	O'FALLON	9	1.0
22.5	BALLWIN	8	0.9
22.5	BELTON	8	0.9
24.0	RAYTOWN	7	0.8
26.0	BRANSON	6	0.6
26.0	CHESTERFIELD	6	0.6
26.0	TOWN AND COUNTRY	6	0.6
32.0	CAMDENTON	5	0.5
32.0	GRANDVIEW	5	0.5
32.0	KIRKWOOD	5	0.5
32.0	LIBERTY	5	0.5
32.0	OSAGE BEACH	5	0.5
32.0	OZARK	5	0.5
32.0	ROLLA	5	0.5
32.0	ST. ROBERT	5	0.5
32.0	WARRENSBURG	5	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**

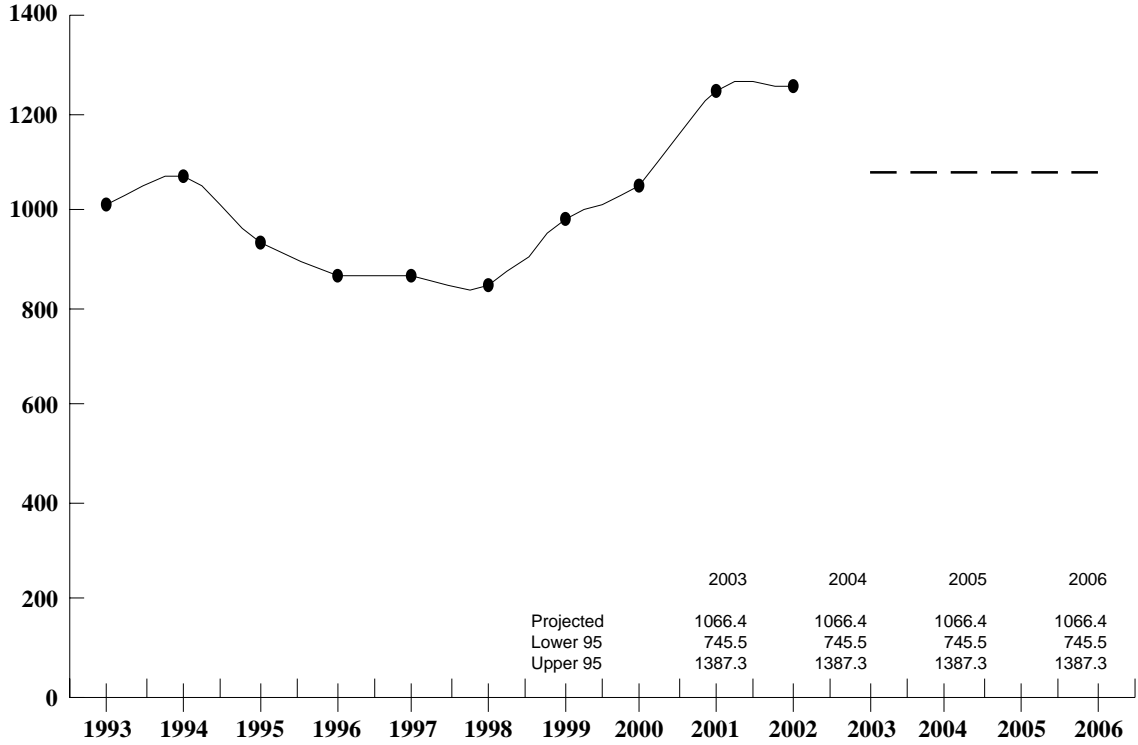


FIGURE 3.6.4

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 involved in these traffic crashes.

2002 SUMMARY ANALYSIS

- Of all 2002 Missouri traffic crashes, 0.9% involved a school bus. Of all fatal traffic crashes, 0.3% involved a school bus. Three people were killed and 771 were injured in school bus crashes.
- There was a decrease of 8.9% in the rate of change when comparing 2002 school bus traffic crashes with those in 2001.
- In 2002, one person was killed or injured in a school bus crash every 11.3 hours in the State of Missouri.
- In 87.7% of the school bus traffic crashes, one or more school buses were directly involved in the incident. In 12.3% of the cases, a school bus signal was associated with the crash.
- Of all 2002 school bus crashes, the first harmful event in 76.9% of the cases involved one motor vehicle in transport striking another motor vehicle in transport. In 15.7% of the cases one motor vehicle in transport struck a parked vehicle.
- Of all 2002 school bus traffic crashes, 74.4% occurred in urban areas of the State and 25.6% occurred in rural areas.
- Of all 2002 school bus traffic crashes, 62.0% occurred on a city street, 10.2% occurred on a county road, and 8.7% occurred on a state numbered road.
- Of all school bus drivers involved in traffic crashes, 42.5% were male and 57.5% were female. The average age of school bus drivers was 44.0 years.

2002 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	308	0.7	1,301	1.0	1,612	0.9	3	771	0	502
NO SCHOOL BUS INVOLVED	1,047	99.7	45,915	99.3	124,286	99.0	171,248	99.1	1,171	69,300	-	-
UNKNOWN ³	32	-	1,750	-	11,144	-	12,926	-	34	2,528	-	-
TOTAL	1,082	100.0	47,973	100.0	136,731	100.0	185,786	100.0	1,208	72,599	0	502

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 2002 MISSOURI SCHOOL BUS CRASHES

STATUS BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
NONE INVOLVED ¹	0	0.0	46	14.9	152	11.7	198	12.3
1 INVOLVED	3	100.0	254	82.5	1,126	86.5	1,383	85.8
2 INVOLVED	0	0.0	8	2.6	23	1.8	31	1.9
TOTAL	3	100.0	308	100.0	1,301	100.0	1,612	100.0

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

TABLE 3.7.2

2001 and 2002 SCHOOL BUS INVOLVED CRASH ANALYSIS

	2001	2002	RATE OF CHANGE
FATAL	1	3	+ 200.0
PERSONAL INJURY	326	308	- 5.5
PROPERTY DAMAGE	1,441	1,301	- 9.7
TOTAL	1,768	1,612	- 8.8

TABLE 3.7.3

2002 SCHOOL BUS INVOLVED CRASHES

CRASH TYPE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
ANIMAL	0	0.0	0	0.0	8	0.6	8	0.5
BICYCLIST	0	0.0	4	1.3	0	0.0	4	0.3
FIXED OBJECT	0	0.0	17	5.5	52	4.0	69	4.3
OTHER OBJECT	0	0.0	0	0.0	5	0.4	5	0.3
PEDESTRIAN	2	66.7	18	5.8	1	0.1	21	1.3
TRAIN	0	0.0	0	0.0	0	0.0	0	0.0
VEHICLE IN TRANSPORT	0	0.0	255	82.8	984	75.6	1,239	76.9
VEHICLE ON OTHER ROADWAY	1	33.3	0	0.0	1	0.1	2	0.1
PARKED VEHICLE	0	0.0	7	2.3	246	18.9	253	15.7
NONCOLLISION OVERTURN	0	0.0	1	0.3	1	0.1	2	0.1
NONCOLLISION OTHER	0	0.0	6	2.0	3	0.2	9	0.6
TOTAL	3	100.0	308	100.0	1,301	100.0	1,612	100.0

TABLE 3.7.4

2002 SCHOOL BUS INVOLVED CRASHES

AREA CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
URBAN	3	100.0	204	66.2	992	76.3	1,199	74.4
RURAL	0	0.0	104	33.8	309	23.7	413	25.6
TOTAL	3	100.0	308	100.0	1,301	100.0	1,612	100.0

TABLE 3.7.5

**2002 SCHOOL BUS INVOLVED CRASHES
ROAD CURVATURE BY CRASH SEVERITY**

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
STRAIGHT	3	100.0	272	88.6	1,120	88.8	1,395	88.8
CURVE	0	0.0	35	11.4	141	11.2	176	11.2
UNKNOWN	0	-	1	-	40	-	41	-
TOTAL	3	100.0	308	100.0	1,301	100.0	1,612	100.0

TABLE 3.7.6

**2002 SCHOOL BUS INVOLVED CRASHES
ROAD INCLINE BY CRASH SEVERITY**

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
LEVEL	2	66.7	215	70.5	948	75.8	1,165	74.7
HILL	1	33.3	80	26.2	260	20.8	341	21.9
CREST	0	0.0	10	3.3	43	3.4	53	3.4
UNKNOWN	0	-	3	-	50	-	53	-
TOTAL	3	100.0	308	100.0	1,301	100.0	1,612	100.0

TABLE 3.7.7

2002 SCHOOL BUS INVOLVED CRASHES

ROAD CONDITIONS BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRY	1	33.3	239	77.9	1,029	79.6	1,269	79.2
WET	1	33.3	56	18.2	199	15.4	256	16.0
SNOW	0	0.0	7	2.3	47	3.6	54	3.4
ICE	1	33.3	5	1.6	14	1.1	20	1.3
SLUSH	0	0.0	0	0.0	1	0.1	1	0.1
MUD	0	0.0	0	0.0	0	0.0	0	0.0
STANDING WATER	0	0.0	0	0.0	1	0.1	1	0.1
MOVING WATER	0	0.0	0	0.0	1	0.1	1	0.1
UNKNOWN	0	-	1	-	9	-	10	-
TOTAL	3	100.0	308	100.0	1,301	100.0	1,612	100.0

TABLE 3.7.8

2002 SCHOOL BUS INVOLVED CRASHES

HIGHWAY CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	0	0.0	17	5.5	59	4.5	76	4.7
U.S. HIGHWAY	1	33.3	20	6.5	49	3.8	70	4.3
STATE NUMBERED	0	0.0	38	12.3	102	7.8	140	8.7
SINGLE STATE LETTERED	0	0.0	20	6.5	28	2.2	48	3.0
DOUBLE STATE LETTERED	0	0.0	10	3.3	23	1.8	33	2.1
OUTER ROAD	0	0.0	1	0.3	4	0.3	5	0.3
COUNTY ROAD	0	0.0	22	7.1	143	11.0	165	10.2
CITY STREET	2	66.7	167	54.2	831	63.9	1,000	62.0
INTERSTATE LOOP	0	0.0	1	0.3	4	0.3	5	0.3
OTHER ¹	0	0.0	12	3.9	58	4.5	70	4.3
TOTAL	3	100.0	308	100.0	1,301	100.0	1,612	100.0

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

TABLE 3.7.9

2002 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	13	6.4	47	4.7	60	5.0	0	0.0	4	3.9	12	3.9	16	3.9
U.S. HIGHWAY	1	33.3	10	4.9	27	2.7	38	3.2	0	0.0	10	9.6	22	7.1	32	7.8
STATE NUMBERED	0	0.0	12	5.9	51	5.1	63	5.3	0	0.0	26	25.0	51	16.5	77	18.6
SINGLE STATE LETTERED	0	0.0	3	1.5	8	0.8	11	0.9	0	0.0	17	16.4	20	6.5	37	9.0
DOUBLE STATE LETTERED	0	0.0	2	1.0	7	0.7	9	0.8	0	0.0	8	7.7	16	5.2	24	5.8
OUTER ROAD	0	0.0	0	0.0	3	0.3	3	0.3	0	0.0	1	1.0	1	0.3	2	0.5
COUNTY ROAD	0	0.0	3	1.5	24	2.4	27	2.3	0	0.0	19	18.3	119	38.5	138	33.4
CITY STREET	2	66.7	154	75.5	778	78.4	934	77.9	0	0.0	13	12.5	53	17.2	66	16.0
INTERSTATE LOOP	0	0.0	0	0.0	2	0.2	2	0.2	0	0.0	1	1.0	2	0.7	3	0.7
OTHER ¹	0	0.0	7	3.4	45	4.5	52	4.3	0	0.0	5	4.8	13	4.2	18	4.4
TOTAL	3	100.0	204	100.0	992	100.0	1,199	100.0	0	0.0	104	100.0	309	100.0	413	100.0

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

TABLE 3.7.10

**2002 MISSOURI SCHOOL BUS INVOLVED CRASHES
MONTH OF YEAR**

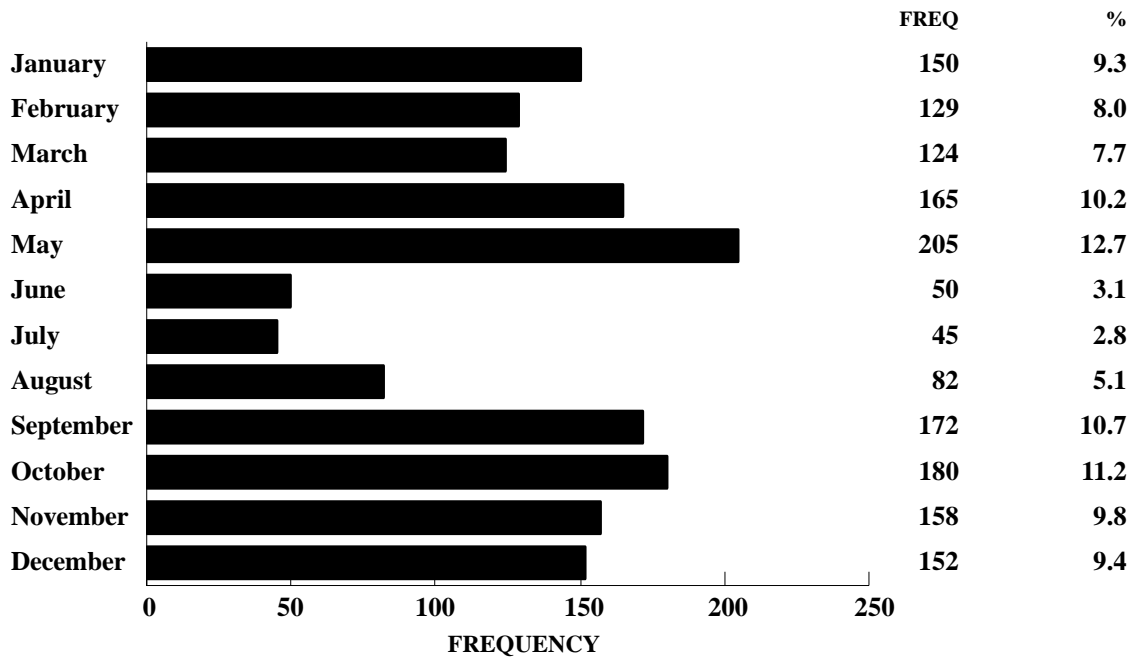


FIGURE 3.7.1

**2002 MISSOURI SCHOOL BUS INVOLVED CRASHES
DAY OF WEEK**

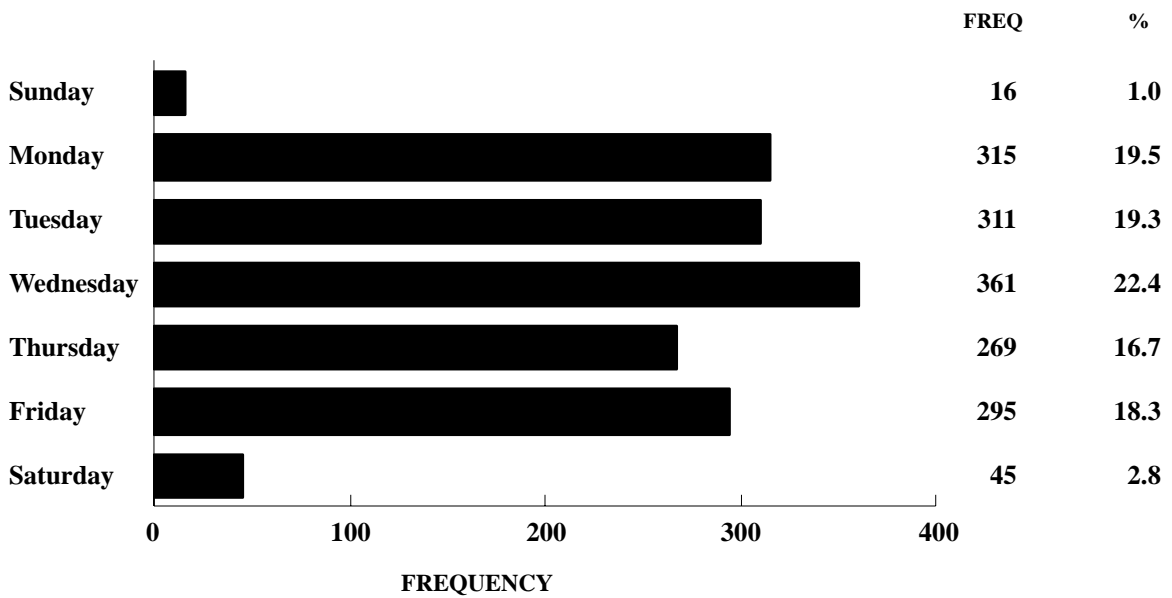
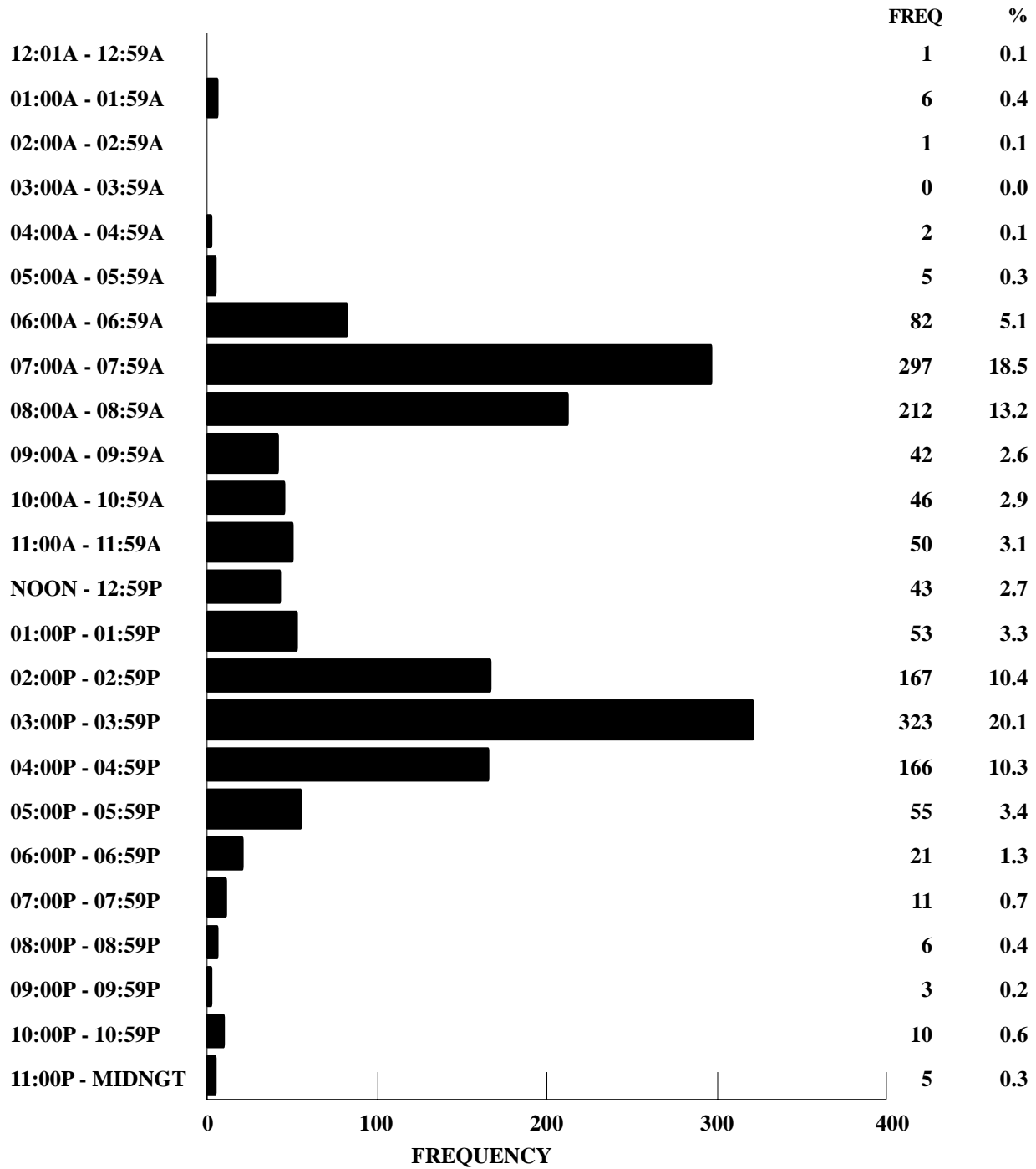


FIGURE 3.7.2

**2002 MISSOURI SCHOOL BUS INVOLVED CRASHES
HOUR OF DAY**



Unknown Data Not Included

FIGURE 3.7.3

2002 MISSOURI SCHOOL BUS CRASHES

TYPE OF CIRCUMSTANCE INVOLVED BY CRASH SEVERITY AND PERSON CLASSIFICATION¹

FATAL SCHOOL BUS CRASHES = 3				TOTAL SCHOOL BUS CRASHES = 1,612		
	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	1.7	1.4	3.0
TRAFFIC CONTROL INOPERATIVE / MISSING	0.0	0.0	0.0	0.1	0.2	0.2
IMPROPERLY STOPPED ON ROADWAY	0.0	0.0	0.0	0.7	0.9	1.5
EXCEEDING SPEED LIMIT / TOO FAST FOR CONDITIONS	0.0	33.3	33.3	2.3	7.9	9.9
IMPROPER PASSING	0.0	0.0	0.0	0.8	2.0	2.8
VIOLATION OF STOP SIGN	0.0	0.0	0.0	0.2	2.9	3.1
WRONG SIDE NOT PASSING	0.0	0.0	0.0	0.8	1.6	2.0
FOLLOWING TOO CLOSE	0.0	0.0	0.0	2.6	9.7	12.1
IMPROPER SIGNAL	0.0	0.0	0.0	0.1	0.1	0.2
IMPROPER BACKING	0.0	0.0	0.0	3.3	1.4	4.7
IMPROPER TURN	0.0	0.0	0.0	4.2	2.2	6.4
IMPROPER LANE USAGE / CHANGE	0.0	0.0	0.0	3.5	4.3	7.6
WRONG WAY ONE-WAY STREET	0.0	0.0	0.0	0.1	0.1	0.1
IMPROPER START FROM PARK	0.0	0.0	0.0	0.1	0.4	0.5
IMPROPERLY PARKED	0.0	0.0	0.0	0.2	1.6	1.8
FAILED TO YIELD	0.0	0.0	0.0	4.2	7.8	11.8
DRINKING	0.0	0.0	0.0	0.0	0.4	0.4
DRUGS	0.0	0.0	0.0	0.0	0.1	0.1
PHYSICAL IMPAIRMENT	0.0	0.0	0.0	0.1	0.3	0.3
INATTENTION	0.0	66.7	66.7	18.2	22.0	37.6

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 2002 Missouri school bus crashes, it was found that a school bus driver was speeding in 2.3% of the crashes. In 7.9% of the crashes another driver was speeding. In 9.9% of the crashes either a school bus driver, another driver, or both drivers were speeding.

TABLE 3.7.11

SCHOOL BUSES INVOLVED IN 2002 MISSOURI CRASHES

DRIVER INVOLVEMENT BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRIVERLESS	0	0.0	6	2.2	44	3.8	50	3.5
KNOWN DRIVER INVOLVED	3	100.0	263	97.1	1,089	92.9	1,355	93.7
UNKNOWN DRIVER INVOLVED	0	0.0	2	0.7	39	3.3	41	2.8
TOTAL	3	100.0	271	100.0	1,172	100.0	1,446	100.0

TABLE 3.7.12

DRIVERS OF SCHOOL BUSES INVOLVED IN 2002 MISSOURI CRASHES

SEX OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MALE	1	33.3	117	44.7	442	42.1	560	42.6
FEMALE	2	66.7	145	55.3	608	57.9	755	57.4
UNKNOWN	0	-	3	-	78	-	81	-
TOTAL	3	100.0	265	100.0	1,128	100.0	1,396	100.0

TABLE 3.7.13

DRIVERS OF SCHOOL BUSES INVOLVED IN 2002 MISSOURI CRASHES

AGE OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AVERAGE AGE OF DRIVER	50.3	-	43.7	-	44.1	-	44.0	-
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	4	0.4	4	0.3
21 - 25 YEARS	0	0.0	14	5.4	74	7.2	88	6.8
26 - 30 YEARS	1	33.3	25	9.6	117	11.3	143	11.0
31 - 35 YEARS	0	0.0	38	14.6	129	12.5	167	12.9
36 - 40 YEARS	0	0.0	47	18.0	137	13.2	184	14.2
41 - 45 YEARS	0	0.0	37	14.2	139	13.4	176	13.6
46 - 50 YEARS	1	33.3	21	8.1	94	9.1	116	8.9
51 - 55 YEARS	0	0.0	25	9.6	92	8.9	117	9.0
56 - 60 YEARS	0	0.0	21	8.1	109	10.5	130	10.0
61 - 65 YEARS	0	0.0	13	5.0	63	6.1	76	5.9
66 YEARS AND OVER	1	33.3	20	7.7	77	7.4	98	7.5
UNKNOWN	0	-	4	-	93	-	97	-
TOTAL	3	100.0	265	100.0	1,128	100.0	1,396	100.0

TABLE 3.7.14

DRIVERS OF SCHOOL BUSES INVOLVED IN 2002 MISSOURI CRASHES

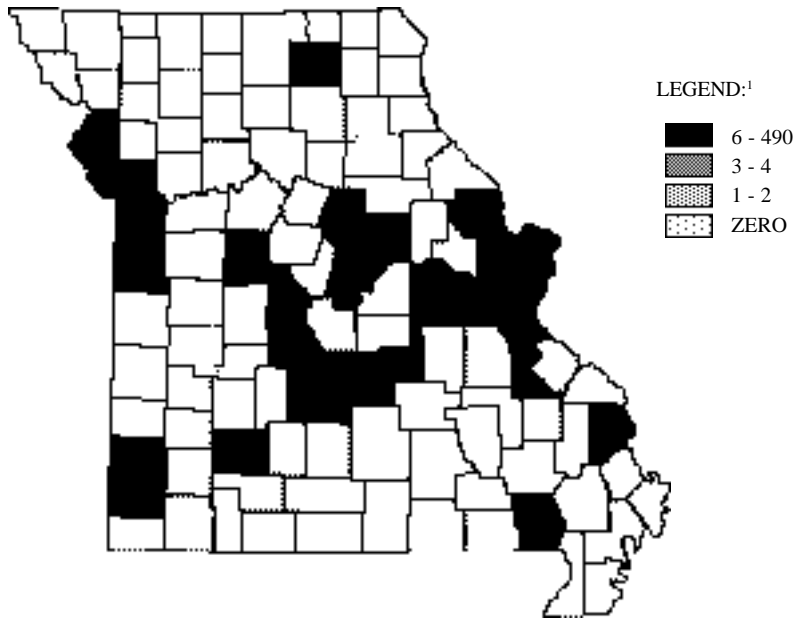
DRIVER'S LICENSE STATE AND TYPE BY CRASH SEVERITY

	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	22	8.4	148	13.9	170	12.8
MOTORCYCLE ONLY	0	0.0	0	0.0	0	0.0	0	0.0
COMMERCIAL DRIVER'S LICENSE	3	100.0	227	86.6	889	83.3	1,119	84.0
SUBTOTAL	3	100.0	249	95.0	1,037	97.1	1,289	96.7
OUT STATE								
LEARNER'S PERMIT	0	0.0	0	0.0	0	0.0	0	0.0
OPERATOR'S LICENSE	0	0.0	2	0.8	4	0.4	6	0.5
MOTORCYCLE ONLY	0	0.0	0	0.0	0	0.0	0	0.0
COMMERCIAL DRIVER'S LICENSE	0	0.0	11	4.2	27	2.5	38	2.9
SUBTOTAL	0	0.0	13	5.0	31	2.9	44	3.3
UNLICENSED	0	0.0	0	0.0	0	0.0	0	0.0
UNKNOWN	0	-	3	-	60	-	63	-
TOTAL	3	100.0	265	100.0	1,128	100.0	1,396	100.0

TABLE 3.7.15

2002 SCHOOL BUS INVOLVED CRASHES

COUNTY QUARTILE ANALYSIS



¹ LEGEND CATEGORIES ARE BASED ON QUARTILES OF COUNTIES.

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
1.0	ST. LOUIS CITY	490	30.4	19.5	ST. FRANCOIS	8	0.5
2.0	ST. LOUIS	304	18.9	22.5	GASCONADE	7	0.4
3.0	JACKSON	242	15.0	22.5	PULASKI	7	0.4
4.0	ST. CHARLES	80	5.0	26.0	CALLAWAY	6	0.4
5.0	JEFFERSON	49	3.0	26.0	CAMDEN	6	0.4
6.0	GREENE	38	2.4	26.0	LACLEDE	6	0.4
7.0	CLAY	36	2.2	26.0	MORGAN	6	0.4
8.0	BOONE	27	1.7	26.0	NEWTON	6	0.4
9.0	JASPER	19	1.2	First Quartile			
10.0	FRANKLIN	18	1.1	-----			
11.0	BUCHANAN	15	0.9	Second Quartile			
12.0	CAPE GIRARDEAU	14	0.9	29.5	MARION	5	0.3
13.5	CASS	10	0.6	29.5	WARREN	5	0.3
13.5	PLATTE	10	0.6	37.0	CHARITON	4	0.2
16.0	ADAIR	9	0.6	37.0	HENRY	4	0.2
16.0	BUTLER	9	0.6	37.0	JOHNSON	4	0.2
16.0	PHELPS	9	0.6	37.0	LAFAYETTE	4	0.2
19.5	COLE	8	0.5	37.0	MISSISSIPPI	4	0.2
19.5	LINCOLN	8	0.5	37.0	NEW MADRID	4	0.2
19.5	PETTIS	8	0.5	37.0	PIKE	4	0.2

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
37.0	RAY	4	0.2	85.5	CLINTON	1	0.1
37.0	SALINE	4	0.2	85.5	COOPER	1	0.1
37.0	SCOTT	4	0.2	85.5	DAVIESS	1	0.1
37.0	STONE	4	0.2	85.5	DE KALB	1	0.1
37.0	TANEY	4	0.2	85.5	GENTRY	1	0.1
37.0	VERNON	4	0.2	85.5	GRUNDY	1	0.1
49.0	BARRY	3	0.2	85.5	HARRISON	1	0.1
49.0	CARROLL	3	0.2	85.5	HICKORY	1	0.1
49.0	HOWELL	3	0.2	85.5	IRON	1	0.1
49.0	LEWIS	3	0.2	85.5	LAWRENCE	1	0.1
49.0	LIVINGSTON	3	0.2	85.5	MACON	1	0.1
49.0	MC DONALD	3	0.2	85.5	MADISON	1	0.1
49.0	MILLER	3	0.2	85.5	MARIES	1	0.1
49.0	PEMISCOT	3	0.2	85.5	MONITEAU	1	0.1
49.0	STE. GENEVIEVE	3	0.2	85.5	OZARK	1	0.1
49.0	WAYNE	3	0.2	85.5	RANDOLPH	1	0.1
49.0	WEBSTER	3	0.2	85.5	REYNOLDS	1	0.1
Second Quartile				85.5	SHANNON	1	0.1
Third Quartile				85.5	STODDARD	1	0.1
63.5	ANDREW	2	0.1	85.5	SULLIVAN	1	0.1
63.5	AUDRAIN	2	0.1	85.5	TEXAS	1	0.1
63.5	BATES	2	0.1	85.5	WRIGHT	1	0.1
63.5	CALDWELL	2	0.1	Third Quartile			
63.5	CHRISTIAN	2	0.1	Fourth Quartile			
63.5	CRAWFORD	2	0.1	107.0	ATCHISON	0	0.0
63.5	DALLAS	2	0.1	107.0	BENTON	0	0.0
63.5	DENT	2	0.1	107.0	CARTER	0	0.0
63.5	DOUGLAS	2	0.1	107.0	DADE	0	0.0
63.5	DUNKLIN	2	0.1	107.0	HOLT	0	0.0
63.5	MONTGOMERY	2	0.1	107.0	HOWARD	0	0.0
63.5	NODAWAY	2	0.1	107.0	KNOX	0	0.0
63.5	OSAGE	2	0.1	107.0	LINN	0	0.0
63.5	PERRY	2	0.1	107.0	MERCER	0	0.0
63.5	POLK	2	0.1	107.0	MONROE	0	0.0
63.5	RALLS	2	0.1	107.0	OREGON	0	0.0
63.5	RIPLEY	2	0.1	107.0	PUTNAM	0	0.0
63.5	WASHINGTON	2	0.1	107.0	ST. CLAIR	0	0.0
85.5	BARTON	1	0.1	107.0	SCHUYLER	0	0.0
85.5	BOLLINGER	1	0.1	107.0	SCOTLAND	0	0.0
85.5	CEDAR	1	0.1	107.0	SHELBY	0	0.0
85.5	CLARK	1	0.1	107.0	WORTH	0	0.0

TABLE 3.7.16

2002 SCHOOL BUS INVOLVED CRASHES

CITY LISTING

RANK	CITY	FREQUENCY	PERCENT ¹
1.0	ST. LOUIS	490	37.8
2.0	KANSAS CITY	195	15.0
3.0	SPRINGFIELD	29	2.2
4.0	INDEPENDENCE	25	1.9
5.0	ST. PETERS	23	1.8
6.0	COLUMBIA	21	1.6
7.0	CHESTERFIELD	16	1.2
8.5	MARYLAND HEIGHTS	15	1.2
8.5	O'FALLON	15	1.2
10.0	ST. JOSEPH	13	1.0
11.5	FLORISSANT	12	0.9
11.5	LEE'S SUMMIT	12	0.9
13.0	WILDWOOD	11	0.8
14.5	JOPLIN	10	0.8
14.5	KIRKWOOD	10	0.8
16.5	FERGUSON	9	0.7
16.5	UNIVERSITY CITY	9	0.7
19.0	BERKELEY	8	0.6
19.0	CREVE COEUR	8	0.6
19.0	GRANDVIEW	8	0.6
22.5	BLUE SPRINGS	7	0.5
22.5	KIRKSVILLE	7	0.5
22.5	ST. CHARLES	7	0.5
22.5	WEBSTER GROVES	7	0.5
29.0	ARNOLD	6	0.5
29.0	CAPE GIRARDEAU	6	0.5
29.0	CLAYTON	6	0.5
29.0	JEFFERSON CITY	6	0.5
29.0	POPLAR BLUFF	6	0.5
29.0	RAYTOWN	6	0.5
29.0	ROLLA	6	0.5
29.0	ST. ANN	6	0.5
29.0	SEDALIA	6	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**

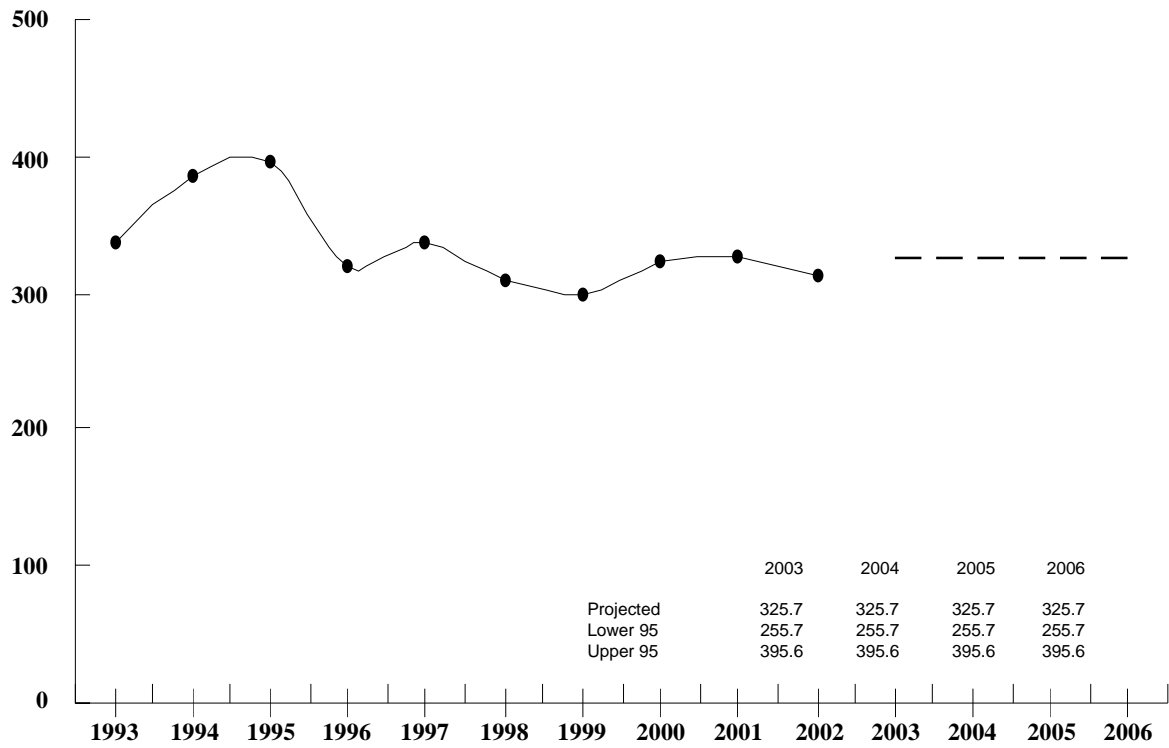


FIGURE 3.7.4

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 involved in the traffic crash.

2002 SUMMARY ANALYSIS

- Of all 2002 Missouri traffic crashes, 0.4% involved a bicycle. Of all fatal traffic crashes, 1.5% involved a bicycle. A total of 16 persons were killed and 641 were injured in these traffic crashes.
- There was a decrease of 3.6% in the rate of change when comparing total 2002 bicycle-related traffic crashes with those in 2001. There was an increase of 166.7% when comparing fatal 2002 bicycle-related crashes with 2001.
- In 2002, one person was killed or injured in a bicycle traffic crash every 13.3 hours in the State of Missouri.
- Of all 2002 bicycle traffic crashes, 75.6% occurred in an urban area and 24.4% occurred in a rural area of the State.
- Of all 2002 bicycle traffic crashes, 69.7% occurred on a city street.
- Of all 2002 bicycle traffic crashes, 73.7% occurred from April through September.
- Of all bicycle drivers involved in traffic crashes, 84.1% were male and 15.9% were female. The average age of bicycle drivers was 20.6 years.
- Of all other types of vehicles involved in bicycle crashes, 66.6% were automobiles and 15.6% were pickup trucks.

2002 MISSOURI TRAFFIC CRASHES

BICYCLE INVOLVEMENT

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	TOTAL NUMBER¹ KILLED	BICYCLE DRIVERS/PASSENGERS² KILLED	INJURED
BICYCLE INVOLVED	16	1.5	617	1.3	122	0.1	755	0.4	16	16	629
NO BICYCLE INVOLVED	1,059	98.5	47,109	98.7	130,975	99.9	179,143	99.6	1,184	-	71,625
UNKNOWN ³	7	-	247	-	5,634	-	5,888	-	8	-	333
TOTAL	1,082	100.0	47,973	100.0	136,731	100.0	185,786	100.0	1,208	16	72,599

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

2001 and 2002 BICYCLE INVOLVED CRASH ANALYSIS

	2001	2002	RATE OF CHANGE
FATAL	6	16	+ 166.7
PERSONAL INJURY	634	617	- 2.7
PROPERTY DAMAGE	143	122	- 14.7
TOTAL	783	755	- 3.6

TABLE 3.8.2

2002 BICYCLE INVOLVED CRASHES

AREA CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
URBAN	8	50.0	469	76.0	94	77.0	571	75.6
RURAL	8	50.0	148	24.0	28	23.0	184	24.4
TOTAL	16	100.0	617	100.0	122	100.0	755	100.0

TABLE 3.8.3

2002 BICYCLE INVOLVED CRASHES

ROAD CURVATURE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
STRAIGHT	15	93.8	588	95.9	115	97.5	718	96.1
CURVE	1	6.2	25	4.1	3	2.5	29	3.9
UNKNOWN	0	-	4	-	4	-	8	-
TOTAL	16	100.0	617	100.0	122	100.0	755	100.0

TABLE 3.8.4

2002 BICYCLE INVOLVED CRASHES

ROAD INCLINE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
LEVEL	8	50.0	436	71.6	96	82.1	540	72.8
HILL	7	43.8	156	25.6	19	16.2	182	24.5
CREST	1	6.2	17	2.8	2	1.7	20	2.7
UNKNOWN	0	-	8	-	5	-	13	-
TOTAL	16	100.0	617	100.0	122	100.0	755	100.0

TABLE 3.8.5

2002 BICYCLE INVOLVED CRASHES

ROAD CONDITIONS BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRY	15	93.8	587	95.6	110	90.9	712	94.8
WET	1	6.2	27	4.4	11	9.1	39	5.2
SNOW	0	0.0	0	0.0	0	0.0	0	0.0
ICE	0	0.0	0	0.0	0	0.0	0	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	0	0.0	0	0.0	0	0.0
UNKNOWN	0	-	3	-	1	-	4	-
TOTAL	16	100.0	617	100.0	122	100.0	755	100.0

TABLE 3.8.6

2002 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	0	0.0	16	2.6	4	3.3	20	2.7
STATE NUMBERED	5	31.2	51	8.3	7	5.7	63	8.3
SINGLE STATE LETTERED	3	18.8	19	3.1	3	2.5	25	3.3
DOUBLE STATE LETTERED	0	0.0	10	1.6	0	0.0	10	1.3
OUTER ROAD	0	0.0	3	0.5	0	0.0	3	0.4
COUNTY ROAD	2	12.5	62	10.1	10	8.2	74	9.8
CITY STREET	6	37.5	428	69.4	92	75.4	526	69.7
INTERSTATE LOOP	0	0.0	2	0.3	0	0.0	2	0.3
OTHER ¹	0	0.0	25	4.1	6	4.9	31	4.1
TOTAL	16	100.0	617	100.0	122	100.0	755	100.0

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

TABLE 3.8.7

**2002 MISSOURI BICYCLE INVOLVED CRASHES
MONTH OF YEAR**

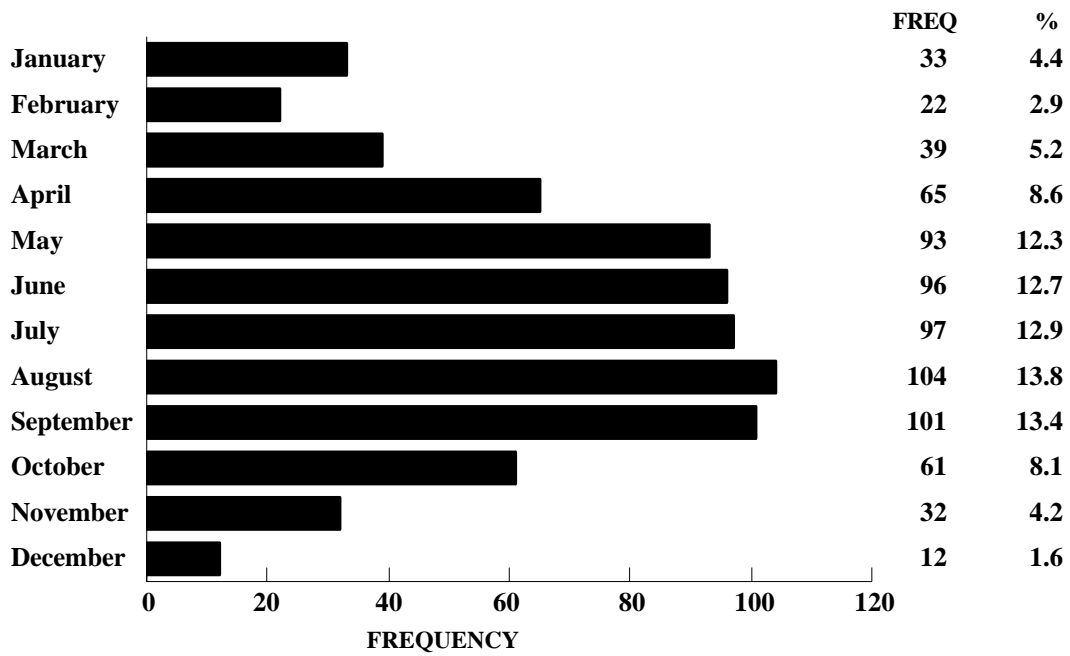


FIGURE 3.8.1

**2002 MISSOURI BICYCLE INVOLVED CRASHES
DAY OF WEEK**

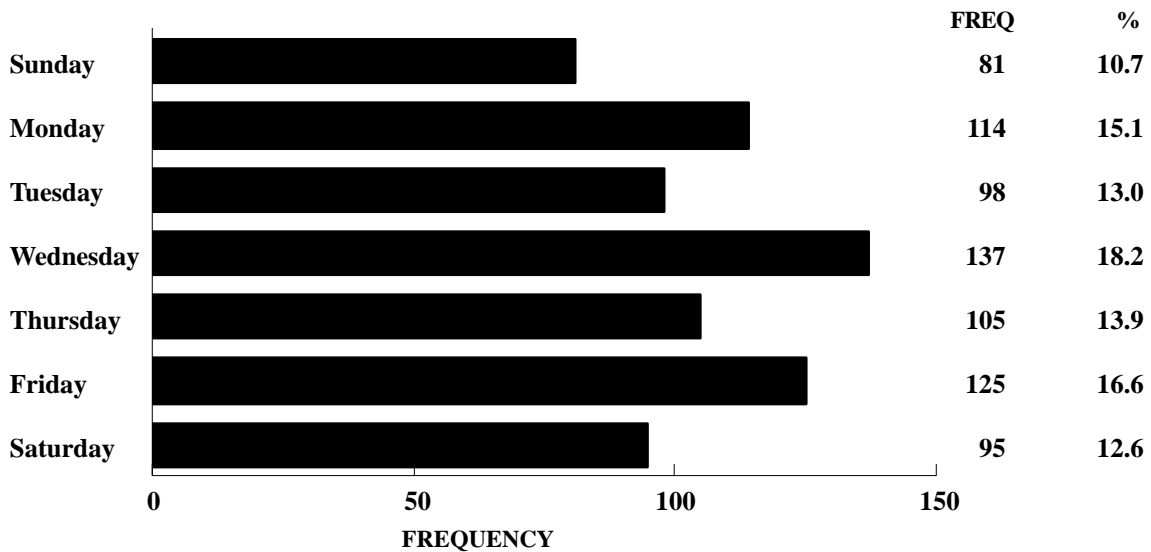
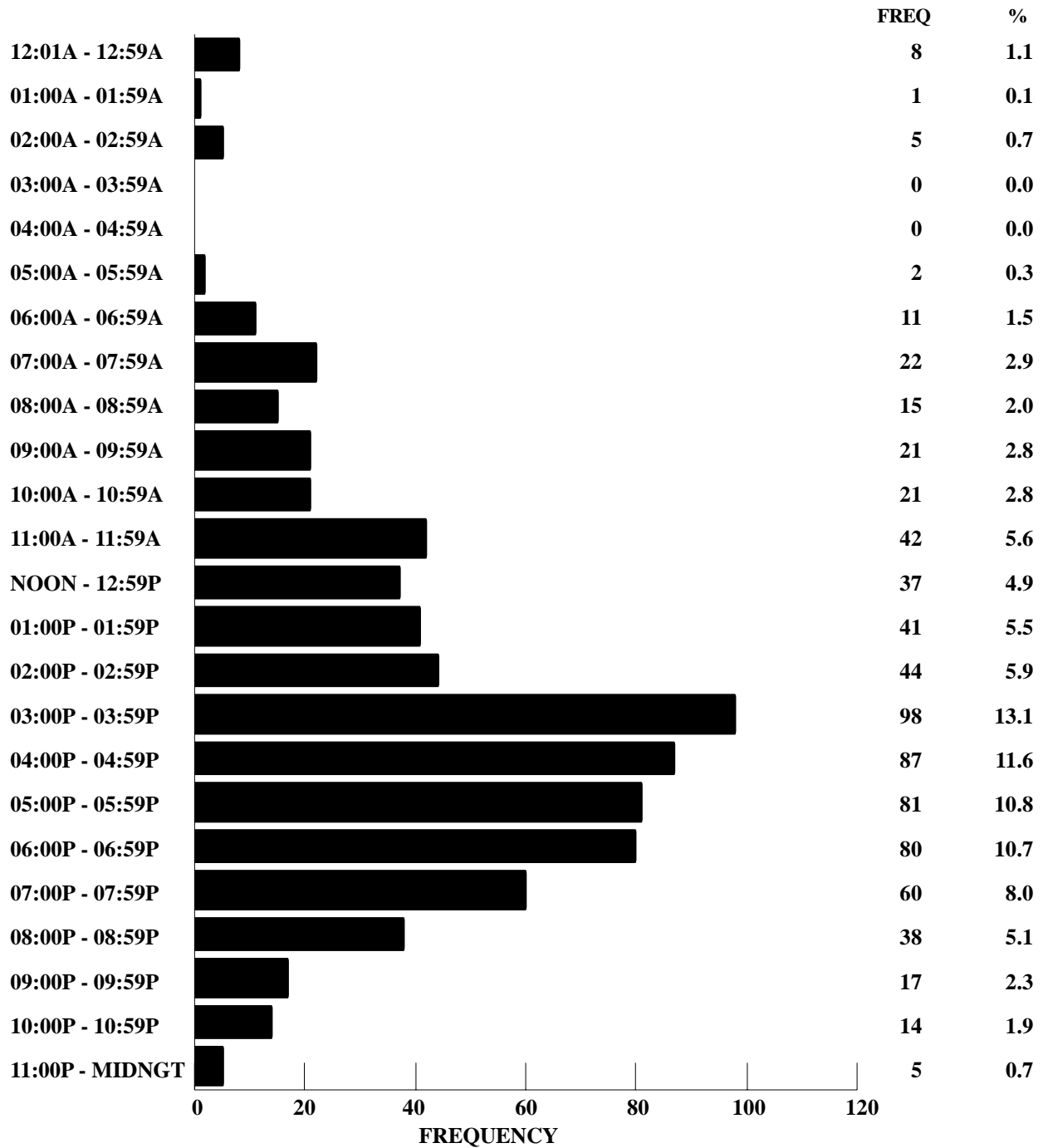


FIGURE 3.8.2

**2002 MISSOURI BICYCLE INVOLVED CRASHES
HOUR OF DAY**



Unknown Data Not Included

FIGURE 3.8.3

2002 MISSOURI BICYCLE CRASHES

TYPE OF CIRCUMSTANCE INVOLVED BY CRASH SEVERITY AND PERSON CLASSIFICATION¹

FATAL BICYCLE CRASHES = 16				TOTAL BICYCLE CRASHES = 755		
	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	4.9	0.4	5.3
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	0.0	0.0	0.0
EXCEEDING SPEED LIMIT / TOO FAST FOR CONDITIONS	6.3	6.3	12.5	2.1	2.8	4.9
IMPROPER PASSING	0.0	0.0	0.0	0.8	1.2	2.0
VIOLATION OF STOP SIGN	6.3	0.0	6.3	10.1	1.3	11.3
WRONG SIDE NOT PASSING	12.5	0.0	12.5	3.8	0.5	4.2
FOLLOWING TOO CLOSE	0.0	0.0	0.0	0.1	0.8	0.9
IMPROPER SIGNAL	6.3	0.0	6.3	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	1.6	1.6	3.2
IMPROPER LANE USAGE / CHANGE	25.0	0.0	25.0	6.0	1.1	6.9
WRONG WAY ONE-WAY STREET	0.0	0.0	0.0	0.5	0.1	0.6
IMPROPER START FROM PARK	0.0	0.0	0.0	0.0	0.0	0.0
IMPROPERLY PARKED	0.0	0.0	0.0	0.1	0.0	0.1
FAILED TO YIELD	31.3	6.3	37.5	26.9	15.5	40.4
DRINKING	12.5	6.3	18.8	1.3	0.9	2.2
DRUGS	0.0	0.0	0.0	0.1	0.1	0.2
PHYSICAL IMPAIRMENT	0.0	0.0	0.0	0.1	0.1	0.2
INATTENTION	25.0	12.5	31.3	27.5	18.3	38.3

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 2002 Missouri bicycle crashes, it was found that a bicyclist failed to yield in 26.9% of the crashes. In 15.5% of the crashes another driver failed to yield. In 40.4% of the crashes either a bicyclist, another driver, or both drivers failed to yield.

TABLE 3.8.8

BICYCLES INVOLVED IN 2002 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	16	100.0	623	100.0	119	97.5	758	99.6
UNKNOWN DRIVER INVOLVED	0	0.0	0	0.0	3	2.5	3	0.4
TOTAL	16	100.0	623	100.0	122	100.0	761	100.0

TABLE 3.8.9

BICYCLE DRIVERS INVOLVED IN 2002 MISSOURI CRASHES

SEX OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MALE	16	100.0	518	83.1	101	87.1	635	84.1
FEMALE	0	0.0	105	16.9	15	12.9	120	15.9
UNKNOWN	0	-	0	-	6	-	6	-
TOTAL	16	100.0	623	100.0	122	100.0	761	100.0

TABLE 3.8.10

BICYCLE DRIVERS INVOLVED IN 2002 MISSOURI CRASHES

AGE OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AVERAGE AGE OF DRIVER	27.9	-	20.3	-	21.3	-	20.6	-
5 YEARS AND UNDER	0	0.0	14	2.3	2	2.0	16	2.2
6 - 10 YEARS	1	6.3	141	23.0	12	12.0	154	21.2
11 - 15 YEARS	6	37.5	185	30.2	31	31.0	222	30.5
16 - 20 YEARS	1	6.3	73	11.9	21	21.0	95	13.1
21 - 25 YEARS	1	6.3	44	7.2	8	8.0	53	7.3
26 - 30 YEARS	1	6.3	27	4.4	8	8.0	36	5.0
31 - 35 YEARS	0	0.0	16	2.6	3	3.0	19	2.6
36 - 40 YEARS	2	12.5	32	5.2	3	3.0	37	5.1
41 - 45 YEARS	1	6.3	33	5.4	2	2.0	36	5.0
46 - 50 YEARS	1	6.3	23	3.8	2	2.0	26	3.6
51 - 55 YEARS	0	0.0	10	1.6	7	7.0	17	2.3
56 - 60 YEARS	1	6.3	3	0.5	1	1.0	5	0.7
61 - 65 YEARS	1	6.3	3	0.5	0	0.0	4	0.6
66 YEARS AND OVER	0	0.0	8	1.3	0	0.0	8	1.1
UNKNOWN	0	-	11	-	22	-	33	-
TOTAL	16	100.0	623	100.0	122	100.0	761	100.0

TABLE 3.8.11

2002 BICYCLE INVOLVED CRASHES¹

OTHER TYPES OF VEHICLES INVOLVED BY CRASH SEVERITY

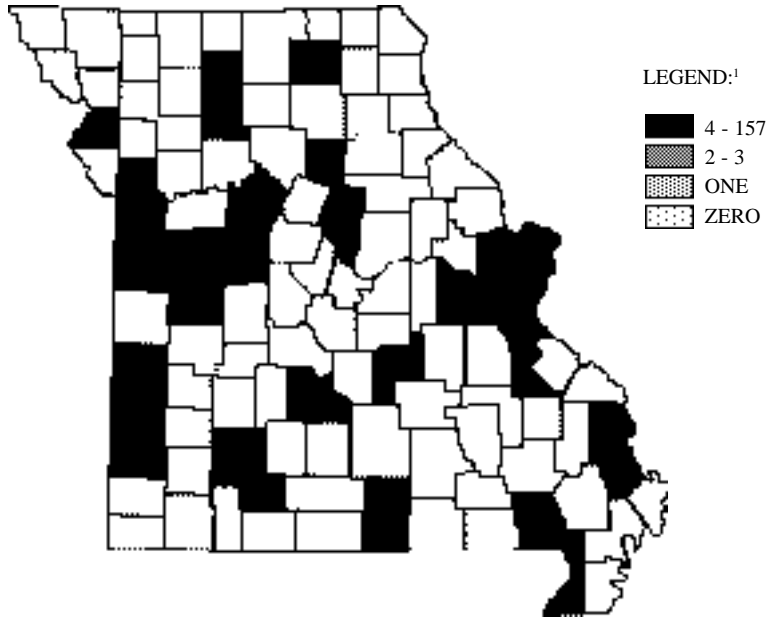
	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AUTOMOBILE	8	50.0	394	64.3	98	80.3	500	66.6
SPORT UTILITY VEHICLE	1	6.3	60	9.8	6	4.9	67	8.9
LIMOUSINE	0	0.0	0	0.0	0	0.0	0	0.0
VAN	0	0.0	40	6.5	5	4.1	45	6.0
BUS	0	0.0	4	0.7	1	0.8	5	0.7
SCHOOL BUS	0	0.0	4	0.7	0	0.0	4	0.5
MOTORCYCLE	0	0.0	5	0.8	0	0.0	5	0.7
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	0	0.0	0	0.0	0	0.0
PICKUP TRUCK	6	37.5	99	16.1	12	9.8	117	15.6
OTHER TRUCKS	1	6.3	7	1.1	0	0.0	8	1.1
ALL TERRAIN VEHICLE	0	0.0	0	0.0	0	0.0	0	0.0
UNKNOWN	0	-	5	-	0	-	5	-
TOTAL	16	100.0	618	100.0	122	100.0	756	100.0

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

TABLE 3.8.12

2002 BICYCLE INVOLVED CRASHES

COUNTY QUARTILE ANALYSIS



¹ LEGEND CATEGORIES ARE BASED ON QUARTILES OF COUNTIES.

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
1.0	ST. LOUIS	157	20.8	23.5	BARTON	5	0.7
2.0	ST. LOUIS CITY	110	14.6	23.5	CHRISTIAN	5	0.7
3.0	JACKSON	101	13.4	23.5	FRANKLIN	5	0.7
4.0	GREENE	37	4.9	23.5	GRUNDY	5	0.7
5.0	BOONE	35	4.6	23.5	HOWELL	5	0.7
6.0	ST. CHARLES	33	4.4	23.5	SALINE	5	0.7
7.0	BUCHANAN	24	3.2	29.0	CLAY	4	0.5
8.0	JASPER	22	2.9	29.0	JOHNSON	4	0.5
9.5	BUTLER	10	1.3	29.0	LACLEDE	4	0.5
9.5	PETTIS	10	1.3	29.0	LIVINGSTON	4	0.5
11.0	JEFFERSON	9	1.2	29.0	PHELPS	4	0.5
13.5	CAPE GIRARDEAU	8	1.1				First Quartile
13.5	CASS	8	1.1				
13.5	HENRY	8	1.1				Second Quartile
13.5	ST. FRANCOIS	8	1.1	37.0	BARRY	3	0.4
16.5	SCOTT	7	0.9	37.0	BATES	3	0.4
16.5	VERNON	7	0.9	37.0	CLINTON	3	0.4
19.0	ADAIR	6	0.8	37.0	COLE	3	0.4
19.0	DUNKLIN	6	0.8	37.0	CRAWFORD	3	0.4
19.0	RANDOLPH	6	0.8	37.0	LAWRENCE	3	0.4

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
37.0	MARION	3	0.4	72.5	PEMISCOT	1	0.1
37.0	MORGAN	3	0.4	72.5	POLK	1	0.1
37.0	PLATTE	3	0.4	72.5	PULASKI	1	0.1
37.0	STODDARD	3	0.4	72.5	RALLS	1	0.1
37.0	WARREN	3	0.4	72.5	ST. CLAIR	1	0.1
51.5	ANDREW	2	0.3	72.5	STE. GENEVIEVE	1	0.1
51.5	AUDRAIN	2	0.3	72.5	WAYNE	1	0.1
51.5	BENTON	2	0.3	72.5	WEBSTER	1	0.1
51.5	CARROLL	2	0.3				
51.5	KNOX	2	0.3				
51.5	LAFAYETTE	2	0.3				
51.5	LINCOLN	2	0.3				
51.5	MC DONALD	2	0.3				
51.5	NEW MADRID	2	0.3				
51.5	NEWTON	2	0.3				
51.5	NODAWAY	2	0.3				
51.5	PERRY	2	0.3				
51.5	PIKE	2	0.3				
51.5	RAY	2	0.3				
51.5	TANEY	2	0.3				
51.5	TEXAS	2	0.3				
51.5	WASHINGTON	2	0.3				
51.5	WRIGHT	2	0.3				
			Second Quartile				
			Third Quartile				
72.5	CALDWELL	1	0.1				
72.5	CALLAWAY	1	0.1				
72.5	CEDAR	1	0.1				
72.5	CLARK	1	0.1				
72.5	COOPER	1	0.1				
72.5	DENT	1	0.1				
72.5	GASCONADE	1	0.1				
72.5	HARRISON	1	0.1				
72.5	HOWARD	1	0.1				
72.5	IRON	1	0.1				
72.5	LEWIS	1	0.1				
72.5	LINN	1	0.1				
72.5	MACON	1	0.1				
72.5	MADISON	1	0.1				
72.5	MONITEAU	1	0.1				
72.5	OZARK	1	0.1				
			Third Quartile				
			Fourth Quartile				
100.0	ATCHISON	0	0.0				
100.0	BOLLINGER	0	0.0				
100.0	CAMDEN	0	0.0				
100.0	CARTER	0	0.0				
100.0	CHARITON	0	0.0				
100.0	DADE	0	0.0				
100.0	DALLAS	0	0.0				
100.0	DAVIESS	0	0.0				
100.0	DE KALB	0	0.0				
100.0	DOUGLAS	0	0.0				
100.0	GENTRY	0	0.0				
100.0	HICKORY	0	0.0				
100.0	HOLT	0	0.0				
100.0	MARIES	0	0.0				
100.0	MERCER	0	0.0				
100.0	MILLER	0	0.0				
100.0	MISSISSIPPI	0	0.0				
100.0	MONROE	0	0.0				
100.0	MONTGOMERY	0	0.0				
100.0	OREGON	0	0.0				
100.0	OSAGE	0	0.0				
100.0	PUTNAM	0	0.0				
100.0	REYNOLDS	0	0.0				
100.0	RIPLEY	0	0.0				
100.0	SCHUYLER	0	0.0				
100.0	SCOTLAND	0	0.0				
100.0	SHANNON	0	0.0				
100.0	SHELBY	0	0.0				
100.0	STONE	0	0.0				
100.0	SULLIVAN	0	0.0				
100.0	WORTH	0	0.0				

TABLE 3.8.13

2002 BICYCLE INVOLVED CRASHES

CITY LISTING

RANK	CITY	FREQUENCY	PERCENT ¹
1.0	ST. LOUIS	110	16.8
2.0	KANSAS CITY	71	10.9
3.0	COLUMBIA	33	5.1
4.0	SPRINGFIELD	32	4.9
5.0	ST. JOSEPH	24	3.7
6.0	JOPLIN	15	2.3
7.5	INDEPENDENCE	11	1.7
7.5	OVERLAND	11	1.7
10.0	POPLAR BLUFF	9	1.4
10.0	ST. PETERS	9	1.4
10.0	SEDALIA	9	1.4
13.0	BLUE SPRINGS	8	1.2
13.0	CAPE GIRARDEAU	8	1.2
13.0	KIRKWOOD	8	1.2
15.5	FLORISSANT	7	1.1
15.5	LEE'S SUMMIT	7	1.1
19.5	JENNINGS	6	0.9
19.5	MAPLEWOOD	6	0.9
19.5	MOBERLY	6	0.9
19.5	NEVADA	6	0.9
19.5	ST. CHARLES	6	0.9
19.5	SIKESTON	6	0.9
27.0	CHESTERFIELD	5	0.8
27.0	CLINTON	5	0.8
27.0	FARMINGTON	5	0.8
27.0	FERGUSON	5	0.8
27.0	KIRKSVILLE	5	0.8
27.0	LAMAR	5	0.8
27.0	MARSHALL	5	0.8
27.0	PINE LAWN	5	0.8
27.0	TRENTON	5	0.8
37.5	ARNOLD	4	0.6
37.5	BALLWIN	4	0.6
37.5	BRIDGETON	4	0.6
37.5	CARTHAGE	4	0.6
37.5	CHILLICOTHE	4	0.6
37.5	CREVE COEUR	4	0.6
37.5	MARYLAND HEIGHTS	4	0.6
37.5	O'FALLON	4	0.6
37.5	RAYMORE	4	0.6
37.5	ROLLA	4	0.6
37.5	ST. ANN	4	0.6
37.5	WEBSTER GROVES	4	0.6
46.5	BERKELEY	3	0.5
46.5	CLAYTON	3	0.5
46.5	JEFFERSON CITY	3	0.5
46.5	TOWN AND COUNTRY	3	0.5
46.5	UNIVERSITY CITY	3	0.5
46.5	WEST PLAINS	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**

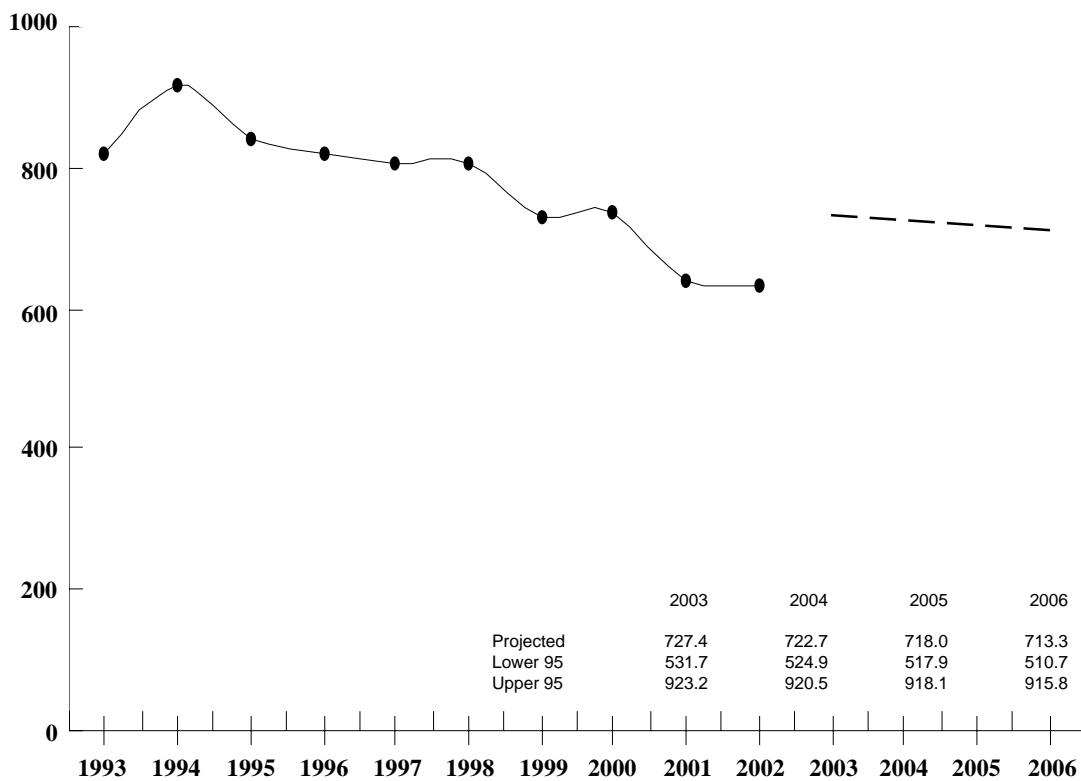


FIGURE 3.8.4

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.

2001 SUMMARY ANALYSIS

- Of all 2002 Missouri traffic crashes, 0.9% involved a pedestrian. Of all fatal traffic crashes, 8.3% involved a pedestrian. A total of 92 persons were killed and 1,699 were injured in traffic crashes involving a pedestrian. In these traffic crashes, 89 of the 92 persons killed were pedestrians and 1,579 of the 1,699 persons injured were pedestrians.
- There was a 3.9% decrease in the number of pedestrian related traffic crashes when comparing 2002 with 2001. When comparing fatal pedestrian related crashes over the same time period there was a 9.8% increase between 2001 and 2002.
- In 2002, one person was killed or injured in pedestrian related traffic crashes every 4.9 hours in the State of Missouri.
- Of all 2002 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, 42.2% occurred in a rural area.
- Of pedestrians involved in the traffic crashes, 61.9% were male and 38.1% were female. The average age of the pedestrian was 31.0 years. For those pedestrians killed the average age was 43.3 years.
- Of pedestrians 14 years and under involved in 2002 traffic crashes, 21.7% were crossing the street from behind a parked vehicle and 10.6% were playing in the road. Of pedestrians 15 through 64 years of age, 10.7% were standing / lying / sitting in the road and 10.0% were crossing the street from behind a parked vehicle. Of pedestrians 65 years and older, 12.8% were crossing the street from behind a parked vehicle and 8.6% were crossing the road within a crosswalk.
- Of the drivers who struck pedestrians in 2002 traffic crashes, 58.7% were male and 41.3% were female. The average age of the driver was 37.7 years. Of the drivers who struck pedestrians, 64.0% were driving an automobile and 13.4% were driving a pickup truck.

2002 MISSOURI TRAFFIC CRASHES

PEDESTRIAN INVOLVEMENT

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	TOTAL NUMBER¹ KILLED	INJURED	PEDESTRIANS² KILLED	INJURED
PEDESTRIAN INVOLVED	90	8.3	1,483	3.1	99	0.1	1,672	0.9	92	1,699	89	1,579
NO PEDESTRIAN INVOLVED	992	91.7	46,490	96.9	136,632	99.9	184,114	99.1	1,116	70,900	-	-
TOTAL	1,082	100.0	47,973	100.0	136,731	100.0	185,786	100.0	1,208	72,599	89	1,579

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

2001 and 2002 PEDESTRIAN INVOLVED CRASH ANALYSIS

	2001	2002	RATE OF CHANGE
FATAL	82	90	+ 9.8
PERSONAL INJURY	1,530	1,483	- 3.1
PROPERTY DAMAGE	128	99	- 22.7
TOTAL	1,740	1,672	- 3.9

TABLE 3.9.2

2002 PEDESTRIAN INVOLVED CRASHES

AREA CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
URBAN	52	57.8	1,190	80.2	80	80.8	1,322	79.1
RURAL	38	42.2	293	19.8	19	19.2	350	20.9
TOTAL	90	100.0	1,483	100.0	99	100.0	1,672	100.0

TABLE 3.9.3

2002 PEDESTRIAN INVOLVED CRASHES

ROAD CURVATURE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
STRAIGHT	76	84.4	1,389	94.7	92	95.8	1,557	94.2
CURVE	14	15.6	78	5.3	4	4.2	96	5.8
UNKNOWN	0	-	16	-	3	-	19	-
TOTAL	90	100.0	1,483	100.0	99	100.0	1,672	100.0

TABLE 3.9.4

2002 PEDESTRIAN INVOLVED CRASHES

ROAD INCLINE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
LEVEL	50	56.2	1,125	77.2	80	86.0	1,255	76.6
HILL	36	40.4	298	20.5	13	14.0	347	21.2
CREST	3	3.4	34	2.3	0	0.0	37	2.3
UNKNOWN	1	-	26	-	6	-	33	-
TOTAL	90	100.0	1,483	100.0	99	100.0	1,672	100.0

TABLE 3.9.5

2002 PEDESTRIAN INVOLVED CRASHES

ROAD CONDITIONS BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRY	69	76.7	1,258	85.5	83	86.5	1,410	85.0
WET	19	21.1	173	11.8	11	11.5	203	12.2
SNOW	2	2.2	25	1.7	1	1.0	28	1.7
ICE	0	0.0	12	0.8	0	0.0	12	0.7
SLUSH	0	0.0	3	0.2	1	1.0	4	0.2
MUD	0	0.0	0	0.0	0	0.0	0	0.0
STANDING WATER	0	0.0	1	0.1	0	0.0	1	0.1
MOVING WATER	0	0.0	0	0.0	0	0.0	0	0.0
UNKNOWN	0	-	11	-	3	-	14	-
TOTAL	90	100.0	1,483	100.0	99	100.0	1,672	100.0

TABLE 3.9.6

2002 PEDESTRIAN INVOLVED CRASHES

HIGHWAY CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	22	24.4	42	2.8	3	3.0	67	4.0
U.S. HIGHWAY	14	15.6	43	2.9	2	2.0	59	3.5
STATE NUMBERED	7	7.8	107	7.2	6	6.1	120	7.2
SINGLE STATE LETTERED	3	3.3	30	2.0	2	2.0	35	2.1
DOUBLE STATE LETTERED	1	1.1	9	0.6	1	1.0	11	0.7
OUTER ROAD	1	1.1	6	0.4	0	0.0	7	0.4
COUNTY ROAD	4	4.4	87	5.9	8	8.1	99	5.9
CITY STREET	37	41.1	1,034	69.7	73	73.7	1,144	68.4
INTERSTATE LOOP	0	0.0	3	0.2	0	0.0	3	0.2
OTHER ¹	1	1.1	122	8.2	4	4.0	127	7.6
TOTAL	90	100.0	1,483	100.0	99	100.0	1,672	100.0

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

TABLE 3.9.7

2002 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 %	FATAL %	PERSONAL INJURY %	PROPERTY DAMAGE %	TOTAL %				
INTERSTATE	11	21.2	28	2.4	2	2.5	41	3.1	11	29.0	14	4.8	1	5.3	26	7.4
U.S. HIGHWAY	3	5.8	23	1.9	1	1.3	27	2.0	11	29.0	20	6.8	1	5.3	32	9.1
STATE NUMBERED	4	7.7	53	4.5	3	3.8	60	4.5	3	7.9	54	18.4	3	15.8	60	17.1
SINGLE STATE LETTERED	0	0.0	3	0.3	0	0.0	3	0.2	3	7.9	27	9.2	2	10.5	32	9.1
DOUBLE STATE LETTERED	0	0.0	5	0.4	0	0.0	5	0.4	1	2.6	4	1.4	1	5.3	6	1.7
OUTER ROAD	0	0.0	2	0.2	0	0.0	2	0.2	1	2.6	4	1.4	0	0.0	5	1.4
COUNTY ROAD	0	0.0	18	1.5	4	5.0	22	1.7	4	10.5	69	23.6	4	21.1	77	22.0
CITY STREET	33	63.5	958	80.5	67	83.8	1,058	80.0	4	10.5	76	25.9	6	31.6	86	24.6
INTERSTATE LOOP	0	0.0	3	0.3	0	0.0	3	0.2	0	0.0	0	0.0	0	0.0	0	0.0
OTHER ¹	1	1.9	97	8.2	3	3.8	101	7.6	0	0.0	25	8.5	1	5.3	26	7.4
TOTAL	52	100.0	1,190	100.0	80	100.0	1,322	100.0	38	100.0	293	100.0	19	100.0	350	100.0

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

TABLE 3.9.8

**2002 MISSOURI PEDESTRIAN INVOLVED CRASHES
MONTH OF YEAR**

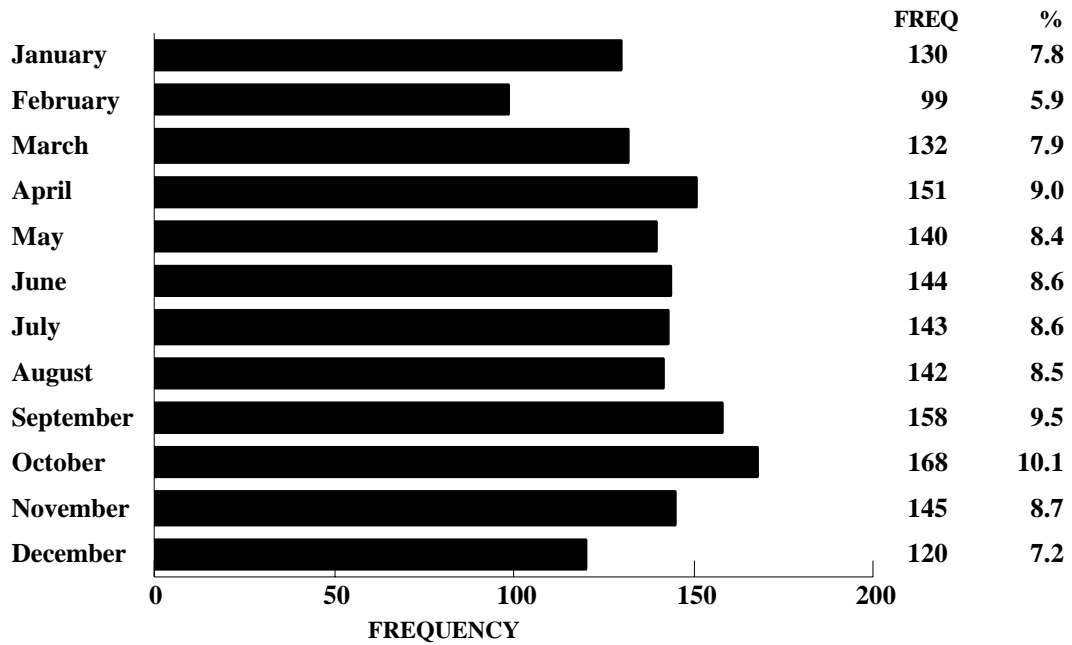


FIGURE 3.9.1

**2002 MISSOURI PEDESTRIAN INVOLVED CRASHES
DAY OF WEEK**

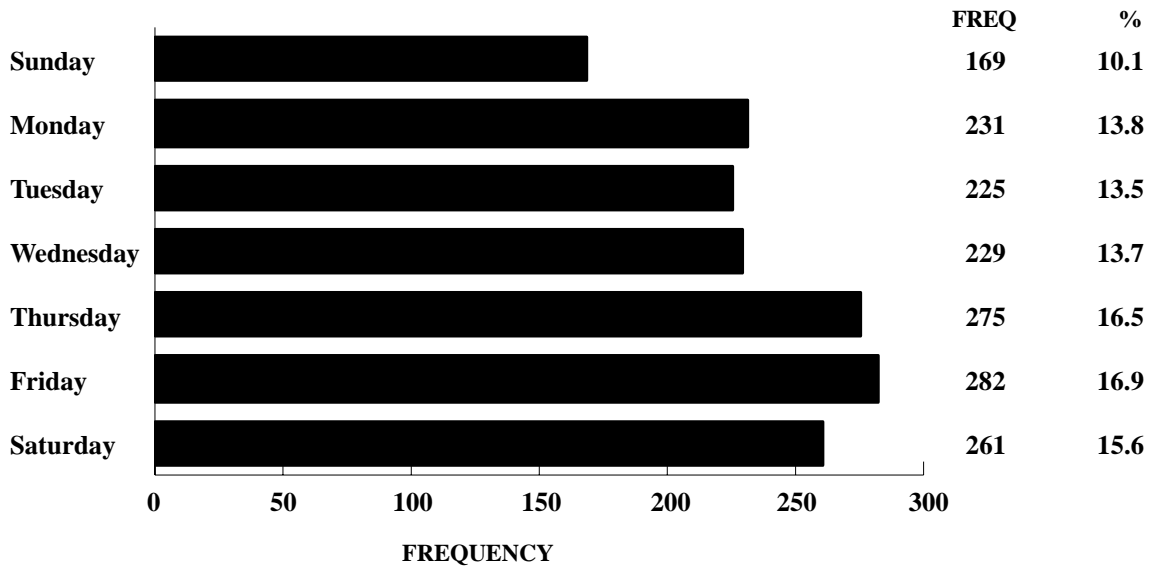
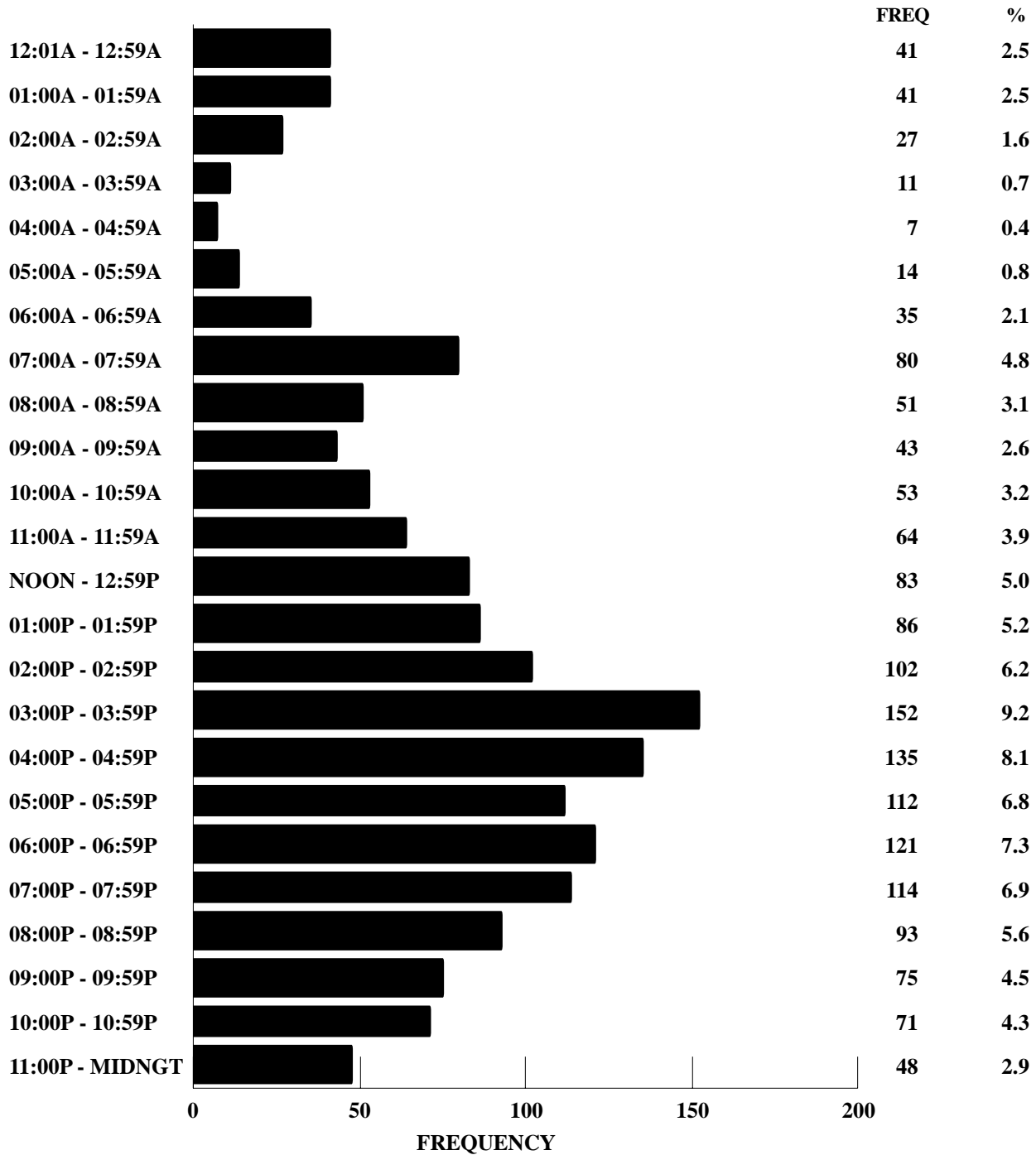


FIGURE 3.9.2

**2002 MISSOURI PEDESTRIAN INVOLVED CRASHES
HOUR OF DAY**



Unknown Data Not Included

FIGURE 3.9.3

2002 MISSOURI PEDESTRIAN CRASHES

TYPE OF CIRCUMSTANCE INVOLVED BY CRASH SEVERITY AND PERSON CLASSIFICATION¹

FATAL PEDESTRIAN CRASHES = 90				TOTAL PEDESTRIAN CRASHES = 1,672		
	PEDESTRIAN	OTHER DRIVER/ VEHICLE	TOTAL FATAL	PEDESTRIAN	OTHER DRIVER/ VEHICLE	TOTAL CRASHES
VEHICLE DEFECTS	0.0	3.3	3.3	0.0	1.9	1.9
TRAFFIC CONTROL INOPERATIVE / MISSING	0.0	0.0	0.0	0.0	0.1	0.1
IMPROPERLY STOPPED ON ROADWAY	0.0	2.2	2.2	0.0	1.0	1.0
EXCEEDING SPEED LIMIT / TOO FAST FOR CONDITIONS	0.0	16.7	16.7	0.0	8.0	8.0
IMPROPER PASSING	0.0	3.3	3.3	0.0	0.7	0.7
VIOLATION OF STOP SIGN	0.0	3.3	3.3	0.0	2.6	2.6
WRONG SIDE NOT PASSING	0.0	1.1	1.1	0.0	0.3	0.3
FOLLOWING TOO CLOSE	0.0	0.0	0.0	0.0	0.3	0.3
IMPROPER SIGNAL	0.0	0.0	0.0	0.0	0.0	0.0
IMPROPER BACKING	0.0	0.0	0.0	0.0	1.9	1.9
IMPROPER TURN	0.0	0.0	0.0	0.0	0.8	0.8
IMPROPER LANE USAGE / CHANGE	0.0	5.6	5.6	0.0	2.6	2.6
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	0.8	0.8
IMPROPERLY PARKED	0.0	0.0	0.0	0.0	0.8	0.8
FAILED TO YIELD	22.2	5.6	26.7	15.7	12.8	27.4
DRINKING	22.2	8.9	28.9	6.2	3.6	9.1
DRUGS	2.2	1.1	3.3	0.5	0.7	1.2
PHYSICAL IMPAIRMENT	0.0	2.2	2.2	0.8	0.8	1.6
INATTENTION	31.1	18.9	46.7	27.0	27.5	47.6

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 2002 Missouri fatal pedestrian crashes, it was found that a pedestrian was drinking in 22.2% of the crashes. In 8.9% of the crashes a driver was drinking. In 28.9% of the crashes either a pedestrian, a driver, or both were drinking.

TABLE 3.9.9

PEDESTRIANS INVOLVED IN 2002 MISSOURI CRASHES

SEX OF PEDESTRIAN BY PERSONAL INJURY SEVERITY

	KILLED	%	INJURED	%	NOT INJURED/ INJURY UNK.	%	TOTAL	%
MALE	62	69.7	950	60.5	85	75.2	1,097	61.9
FEMALE	27	30.3	621	39.5	28	24.8	676	38.1
UNKNOWN	0	-	8	-	3	-	11	-
TOTAL	89	100.0	1,579	100.0	116	100.0	1,784	100.0

TABLE 3.9.10

PEDESTRIANS INVOLVED IN 2002 MISSOURI CRASHES

AGE OF PEDESTRIAN BY PERSONAL INJURY SEVERITY

	KILLED	%	INJURED	%	NOT INJURED/ INJURY UNK.	%	TOTAL	%
AVERAGE AGE OF PEDESTRIAN	43.3	-	30.6	-	25.3	-	31.0	-
4 YEARS AND UNDER	1	1.2	66	4.3	1	1.1	68	4.0
5 - 9 YEARS	2	2.3	152	10.0	12	12.8	166	9.8
10 - 14 YEARS	3	3.5	174	11.5	15	16.0	192	11.3
15 - 19 YEARS	4	4.6	178	11.7	17	18.1	199	11.7
20 - 24 YEARS	5	5.8	149	9.8	3	3.2	157	9.2
25 - 29 YEARS	4	4.6	94	6.2	13	13.8	111	6.5
30 - 34 YEARS	8	9.2	97	6.4	5	5.3	110	6.5
35 - 39 YEARS	13	14.9	122	8.0	12	12.8	147	8.6
40 - 44 YEARS	7	8.1	109	7.2	7	7.5	123	7.2
45 - 49 YEARS	12	13.8	111	7.3	2	2.1	125	7.4
50 - 54 YEARS	6	6.9	75	4.9	1	1.1	82	4.8
55 - 59 YEARS	4	4.6	51	3.4	3	3.2	58	3.4
60 - 64 YEARS	4	4.6	37	2.4	0	0.0	41	2.4
65 YEARS AND OVER	14	16.1	105	6.9	3	3.2	122	7.2
UNKNOWN	2	-	59	-	22	-	83	-
TOTAL	89	100.0	1,579	100.0	116	100.0	1,784	100.0

TABLE 3.9.11

PEDESTRIANS INVOLVED IN 2002 MISSOURI CRASHES

PEDESTRIAN ACTIONS BY AGE GROUP

	00 - 14 YEARS	%	15 - 64 YEARS	%	65 YEARS AND OVER	%	UN- KNOWN	TOTAL	%
CROSSING - WITH SIGNAL	8	2.0	77	7.2	9	7.7	5	99	6.0
CROSSING - AGAINST SIGNAL	14	3.5	41	3.8	5	4.3	2	62	3.8
CROSSING - NO SIGNAL	146	36.8	293	27.4	37	31.6	12	488	29.6
CROSSING - DIAGONALLY	19	4.8	54	5.1	4	3.4	2	79	4.8
CROSSING - WITHIN CROSSWALK	10	2.5	47	4.4	10	8.6	4	71	4.3
CROSSING - WITHIN MARKED CROSSWALK	6	1.5	34	3.2	7	6.0	3	50	3.0
FROM BEHIND PARKED VEHICLE	86	21.7	107	10.0	15	12.8	12	220	13.4
WALKING WITH TRAFFIC	6	1.5	57	5.3	1	0.9	4	68	4.1
WALKING AGAINST TRAFFIC	15	3.8	50	4.7	8	6.8	3	76	4.6
GETTING ON / OFF VEHICLE	8	2.0	31	2.9	2	1.7	2	43	2.6
STANDING / LYING / SITTING IN ROAD	20	5.0	114	10.7	6	5.1	7	147	8.9
PUSHING / WORKING ON VEHICLE	1	0.3	32	3.0	0	0.0	1	34	2.1
OTHER WORK IN ROAD	0	0.0	45	4.2	3	2.6	1	49	3.0
PLAYING IN ROAD	42	10.6	9	0.8	0	0.0	4	55	3.3
NOT IN ROAD	16	4.0	77	7.2	10	8.6	4	107	6.5
UNKNOWN	29	-	85	-	5	-	17	136	-
TOTAL	426	100.0	1,153	100.0	122	100.0	83	1,784	100.0

TABLE 3.9.12

DRIVERS OF VEHICLES STRIKING PEDESTRIANS IN 2002 MISSOURI CRASHES

SEX OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MALE	59	73.8	676	58.2	38	49.4	773	58.7
FEMALE	21	26.2	485	41.8	39	50.6	545	41.3
UNKNOWN	9	-	259	-	18	-	286	-
TOTAL	89	100.0	1,420	100.0	95	100.0	1,604	100.0

TABLE 3.9.13

DRIVERS OF VEHICLES STRIKING PEDESTRIANS IN 2002 MISSOURI CRASHES

AGE OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AVERAGE AGE OF DRIVER	38.0	-	37.7	-	38.0	-	37.7	-
14 YEARS AND UNDER	0	0.0	3	0.3	0	0.0	3	0.2
15 - 20 YEARS	15	18.8	195	17.1	6	8.1	216	16.7
21 - 25 YEARS	11	13.8	167	14.6	10	13.5	188	14.5
26 - 30 YEARS	6	7.5	104	9.1	9	12.2	119	9.2
31 - 35 YEARS	10	12.5	117	10.3	14	18.9	141	10.9
36 - 40 YEARS	5	6.3	104	9.1	6	8.1	115	8.9
41 - 45 YEARS	5	6.3	120	10.5	7	9.5	132	10.2
46 - 50 YEARS	8	10.0	77	6.7	7	9.5	92	7.1
51 - 55 YEARS	6	7.5	68	6.0	8	10.8	82	6.3
56 - 60 YEARS	5	6.3	58	5.1	1	1.4	64	4.9
61 - 65 YEARS	4	5.0	41	3.6	3	4.1	48	3.7
66 YEARS AND OVER	5	6.3	88	7.7	3	4.1	96	7.4
UNKNOWN	9	-	278	-	21	-	308	-
TOTAL	89	100.0	1,420	100.0	95	100.0	1,604	100.0

TABLE 3.9.14

DRIVERS OF VEHICLES STRIKING PEDESTRIANS IN 2002 MISSOURI CRASHES

TYPE OF VISION OBSTRUCTION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
WINDSHIELD OBSCURED	0	0.0	7	0.5	0	0.0	7	0.5
LOAD ON VEHICLE	0	0.0	3	0.2	0	0.0	3	0.2
TREES / BRUSH	1	1.1	7	0.5	0	0.0	8	0.5
BUILDING	0	0.0	2	0.2	1	1.1	3	0.2
EMBANKMENT	2	2.3	1	0.1	0	0.0	3	0.2
SIGNBOARD	0	0.0	2	0.2	0	0.0	2	0.1
HILLCREST	2	2.3	11	0.8	0	0.0	13	0.8
PARKED CARS	1	1.1	134	9.8	5	5.6	140	9.1
MOVING CARS	1	1.1	51	3.7	5	5.6	57	3.7
GLARE	1	1.1	19	1.4	2	2.2	22	1.4
OTHER	6	6.7	73	5.4	2	2.2	81	5.3
NOT OBSCURED	75	84.3	1,053	77.3	75	83.3	1,203	78.0
UNKNOWN	0	-	57	-	5	-	62	-
TOTAL	89	100.0	1,420	100.0	95	100.0	1,604	100.0

TABLE 3.9.15

DRIVERS OF VEHICLES STRIKING PEDESTRIANS IN 2002 MISSOURI CRASHES

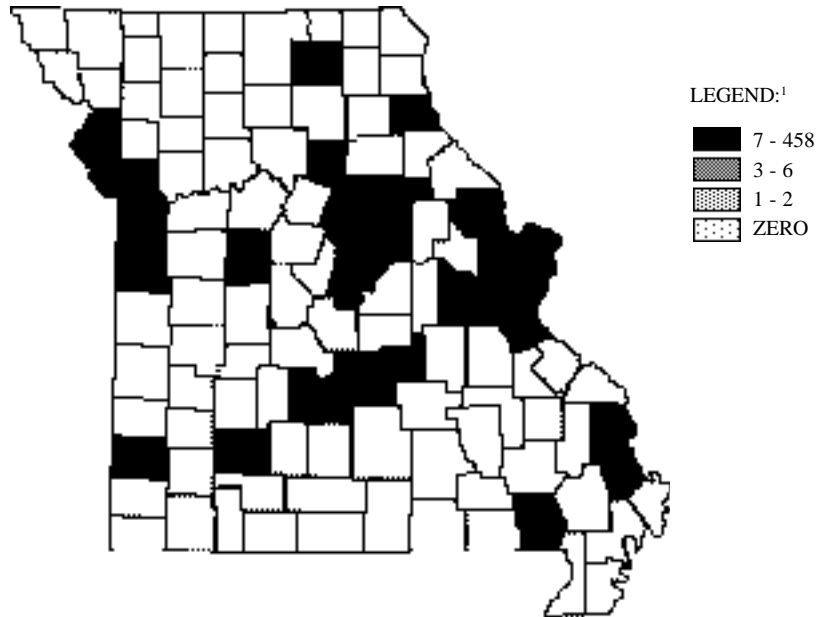
TYPE OF VEHICLE DRIVEN BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AUTOMOBILE	37	44.1	914	65.5	57	60.0	1,008	64.0
SPORT UTILITY VEHICLE	12	14.3	115	8.2	10	10.5	137	8.7
LIMOUSINE	0	0.0	1	0.1	0	0.0	1	0.1
VAN	10	11.9	106	7.6	13	13.7	129	8.2
BUS	4	4.8	10	0.7	1	1.1	15	1.0
SCHOOL BUS	2	2.4	12	0.9	1	1.1	15	1.0
MOTORCYCLE	1	1.2	7	0.5	0	0.0	8	0.5
MOPED	0	0.0	1	0.1	0	0.0	1	0.1
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	2	0.1	0	0.0	2	0.1
OTHER TRANSPORT DEVICE	0	0.0	1	0.1	0	0.0	1	0.1
PICKUP TRUCK	13	15.5	189	13.6	9	9.5	211	13.4
OTHER TRUCKS	5	6.0	35	2.5	4	4.2	44	2.8
ALL TERRAIN VEHICLE	0	0.0	2	0.1	0	0.0	2	0.1
UNKNOWN	5	-	25	-	0	-	30	-
TOTAL	89	100.0	1,420	100.0	95	100.0	1,604	100.0

TABLE 3.9.16

2002 PEDESTRIAN INVOLVED CRASHES

COUNTY QUARTILE ANALYSIS



¹ LEGEND CATEGORIES ARE BASED ON QUARTILES OF COUNTIES.

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
1.0	ST. LOUIS CITY	458	27.4	20.5	LACLEDE	9	0.5
2.0	JACKSON	301	18.0	23.0	LINCOLN	8	0.5
3.0	ST. LOUIS	285	17.0	25.5	ADAIR	7	0.4
4.0	GREENE	66	3.9	25.5	PHELPS	7	0.4
5.0	ST. CHARLES	53	3.2	25.5	PULASKI	7	0.4
6.0	BOONE	43	2.6	25.5	RANDOLPH	7	0.4
7.0	CLAY	37	2.2				
8.0	JEFFERSON	34	2.0				First Quartile
9.0	BUCHANAN	25	1.5				
10.0	JASPER	22	1.3				Second Quartile
11.0	COLE	16	1.0	30.5	CAMDEN	6	0.4
12.0	FRANKLIN	15	0.9	30.5	JOHNSON	6	0.4
13.0	PLATTE	14	0.8	30.5	PEMISCOT	6	0.4
14.0	SCOTT	12	0.7	30.5	PIKE	6	0.4
16.5	AUDRAIN	10	0.6	30.5	TANEY	6	0.4
16.5	BUTLER	10	0.6	30.5	WEBSTER	6	0.4
16.5	MARION	10	0.6	37.5	BARRY	5	0.3
16.5	PETTIS	10	0.6	37.5	HOWELL	5	0.3
20.5	CALLAWAY	9	0.5	37.5	NEW MADRID	5	0.3
20.5	CAPE GIRARDEAU	9	0.5	37.5	NEWTON	5	0.3
20.5	CASS	9	0.5	37.5	POLK	5	0.3
				37.5	STE. GENEVIEVE	5	0.3

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
37.5	SALINE	5	0.3	82.0	DALLAS	1	0.1
37.5	WARREN	5	0.3	82.0	DOUGLAS	1	0.1
44.5	CHRISTIAN	4	0.2	82.0	HOWARD	1	0.1
44.5	LAFAYETTE	4	0.2	82.0	LAWRENCE	1	0.1
44.5	MORGAN	4	0.2	82.0	LEWIS	1	0.1
44.5	STONE	4	0.2	82.0	MADISON	1	0.1
44.5	WASHINGTON	4	0.2	82.0	MONTGOMERY	1	0.1
44.5	WRIGHT	4	0.2	82.0	RALLS	1	0.1
52.5	DENT	3	0.2	82.0	RAY	1	0.1
52.5	DUNKLIN	3	0.2	82.0	RIPLEY	1	0.1
52.5	GRUNDY	3	0.2	82.0	ST. CLAIR	1	0.1
52.5	MACON	3	0.2	82.0	SHANNON	1	0.1
52.5	MILLER	3	0.2	82.0	SHELBY	1	0.1
52.5	MONITEAU	3	0.2	82.0	WAYNE	1	0.1
52.5	MONROE	3	0.2				
52.5	NODAWAY	3	0.2				
52.5	TEXAS	3	0.2				
52.5	VERNON	3	0.2				
			Second Quartile				Third Quartile
			Third Quartile				Fourth Quartile
65.0	BENTON	2	0.1	103.5	ATCHISON	0	0.0
65.0	BOLLINGER	2	0.1	103.5	BARTON	0	0.0
65.0	CLINTON	2	0.1	103.5	BATES	0	0.0
65.0	CRAWFORD	2	0.1	103.5	CALDWELL	0	0.0
65.0	DAVISS	2	0.1	103.5	CARTER	0	0.0
65.0	GENTRY	2	0.1	103.5	CLARK	0	0.0
65.0	HARRISON	2	0.1	103.5	COOPER	0	0.0
65.0	HENRY	2	0.1	103.5	DE KALB	0	0.0
65.0	LINN	2	0.1	103.5	GASCONADE	0	0.0
65.0	LIVINGSTON	2	0.1	103.5	HICKORY	0	0.0
65.0	MC DONALD	2	0.1	103.5	HOLT	0	0.0
65.0	MISSISSIPPI	2	0.1	103.5	IRON	0	0.0
65.0	OZARK	2	0.1	103.5	KNOX	0	0.0
65.0	PERRY	2	0.1	103.5	MARIES	0	0.0
65.0	ST. FRANCOIS	2	0.1	103.5	MERCER	0	0.0
82.0	ANDREW	1	0.1	103.5	MERCER	0	0.0
82.0	CARROLL	1	0.1	103.5	OREGON	0	0.0
82.0	CEDAR	1	0.1	103.5	OSAGE	0	0.0
82.0	CHARITON	1	0.1	103.5	PUTNAM	0	0.0
82.0	DADE	1	0.1	103.5	REYNOLDS	0	0.0
				103.5	SCHUYLER	0	0.0
				103.5	SCOTLAND	0	0.0
				103.5	STODDARD	0	0.0
				103.5	SULLIVAN	0	0.0
				103.5	WORTH	0	0.0

TABLE 3.9.17

2002 PEDESTRIAN INVOLVED CRASHES

CITY LISTING

RANK	CITY	FREQUENCY	PERCENT ¹
1.0	ST. LOUIS	458	32.0
2.0	KANSAS CITY	272	19.0
3.0	SPRINGFIELD	56	3.9
4.0	COLUMBIA	36	2.5
5.0	INDEPENDENCE	31	2.2
6.0	ST. JOSEPH	25	1.7
7.0	ST. CHARLES	18	1.3
9.0	JEFFERSON CITY	15	1.0
9.0	JOPLIN	15	1.0
9.0	MARYLAND HEIGHTS	15	1.0
11.0	JENNINGS	14	1.0
12.5	LEE'S SUMMIT	13	0.9
12.5	UNIVERSITY CITY	13	0.9
14.0	ST. PETERS	12	0.8
15.5	CLAYTON	11	0.8
15.5	FLORISSANT	11	0.8
18.0	BERKELEY	10	0.7
18.0	HANNIBAL	10	0.7
18.0	HAZELWOOD	10	0.7
21.0	BRIDGETON	9	0.6
21.0	MEXICO	9	0.6
21.0	OVERLAND	9	0.6
23.5	O'FALLON	8	0.6
23.5	SEDALIA	8	0.6
27.0	CAPE GIRARDEAU	7	0.5
27.0	CREVE COEUR	7	0.5
27.0	ST. ANN	7	0.5
27.0	SIKESTON	7	0.5
27.0	WEBSTER GROVES	7	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 CRASHES ANNUAL TIME SERIES

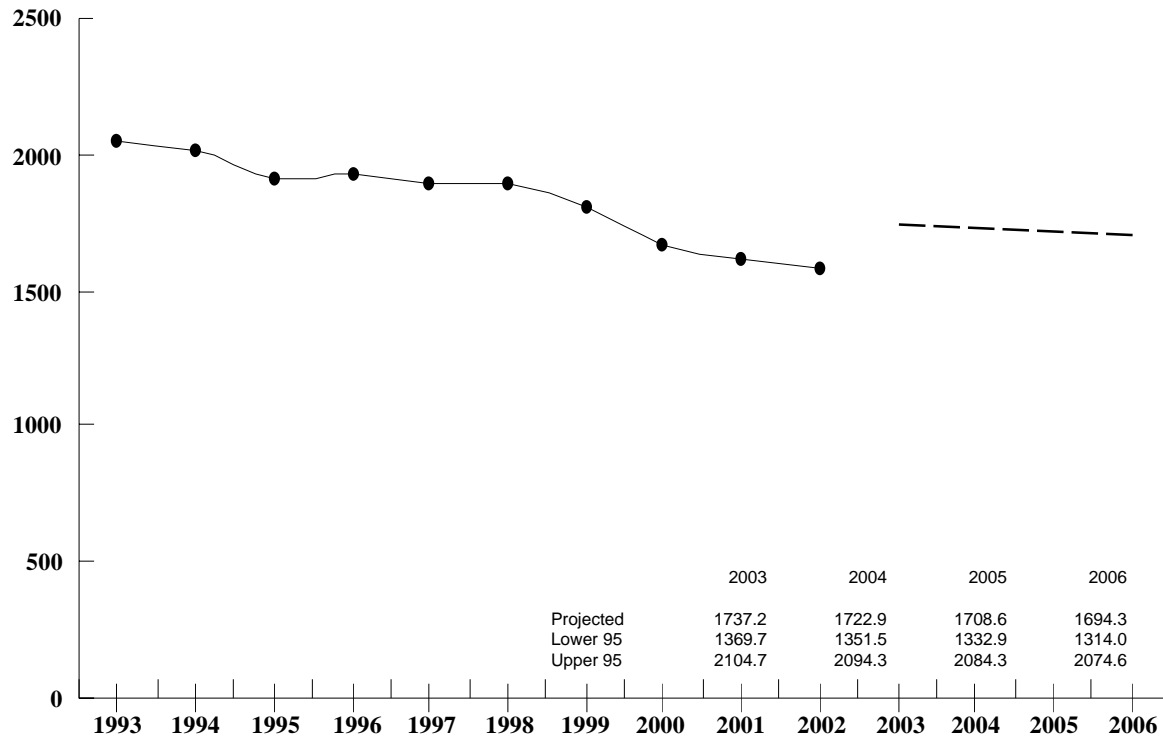


FIGURE 3.9.4

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.

2002 SUMMARY ANALYSIS

- Of all Missouri traffic crashes, 17.2% involved a fixed object being struck as part of the first harmful event. Of all fatal traffic crashes, 37.0% involved a fixed object. A total of 425 persons were killed and 14,637 were injured in fixed object crashes.
- There was an increase of 6.1% in the rate of change when comparing all 2002 fixed object related traffic crash activity with that in 2001. When examining fatal fixed object crashes, the rate of change increased by 3.1%.
- In 2002, one person was killed or injured in a fixed object crash every 34.9 minutes in the State of Missouri.
- Of all fixed object traffic crashes, 42.7% occurred in an urban area and 57.3% occurred in a rural area of the State. Of the fatal fixed object crashes, 79.2% occurred in a rural area.
- Of all fixed object crashes, 34.5% occurred on a curve and 42.1% occurred on a hill or crest of a hill.
- In 28.7% of the cases, an embankment, culvert, or ditch was the type of object struck. In 11.0% of the incidents, a tree was struck.
- Of the vehicles striking the fixed object, 58.5% were automobiles and 19.1% were pickup trucks.
- Of the drivers striking fixed objects, 64.2% were male and 35.8% were female. The average age of the driver was 32.6 years.
- Of the drivers striking fixed objects, 82.2% had a Missouri driver's license, 11.8% had an out-of-state driver's license, and 6.0% were unlicensed.

2002 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	400	37.0	10,993	22.9	20,527	15.0	31,920	17.2	425	14,637	423	14,407
NO FIXED OBJECT INVOLVED	682	63.0	36,980	77.1	116,204	85.0	153,866	82.8	783	57,962	-	-
TOTAL	1,082	100.0	47,973	100.0	136,731	100.0	185,786	100.0	1,208	72,599	423	14,407

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

2001 and 2002 FIXED OBJECT CRASH ANALYSIS

	2001	2002	RATE OF CHANGE
FATAL	388	400	+ 3.1
PERSONAL INJURY	10,203	10,993	+ 7.7
PROPERTY DAMAGE	19,497	20,527	+ 5.3
TOTAL	30,088	31,920	+ 6.1

TABLE 3.10.2

2002 FIXED OBJECT CRASHES

AREA CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
URBAN	83	20.8	3,593	32.7	9,943	48.4	13,619	42.7
RURAL	317	79.2	7,400	67.3	10,584	51.6	18,301	57.3
TOTAL	400	100.0	10,993	100.0	20,527	100.0	31,920	100.0

TABLE 3.10.3

2002 FIXED OBJECT CRASHES

ROAD CURVATURE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
STRAIGHT	206	51.5	6,650	60.7	13,511	68.5	20,367	65.5
CURVE	194	48.5	4,311	39.3	6,224	31.5	10,729	34.5
UNKNOWN	0	-	32	-	792	-	824	-
TOTAL	400	100.0	10,993	100.0	20,527	100.0	31,920	100.0

TABLE 3.10.4

2002 FIXED OBJECT CRASHES

ROAD INCLINE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
LEVEL	159	39.8	5,821	53.4	11,889	60.7	17,869	57.9
HILL	227	56.9	4,739	43.5	7,023	35.9	11,989	38.8
CREST	13	3.3	343	3.1	670	3.4	1,026	3.3
UNKNOWN	1	-	90	-	945	-	1,036	-
TOTAL	400	100.0	10,993	100.0	20,527	100.0	31,920	100.0

TABLE 3.10.5

2002 FIXED OBJECT CRASHES

ROAD CONDITIONS BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRY	341	85.7	8,002	73.1	12,873	63.5	21,216	67.1
WET	44	11.1	2,062	18.8	4,752	23.4	6,858	21.7
SNOW	5	1.3	419	3.8	1,520	7.5	1,944	6.2
ICE	6	1.5	385	3.5	944	4.7	1,335	4.2
SLUSH	2	0.5	41	0.4	129	0.6	172	0.5
MUD	0	0.0	8	0.1	23	0.1	31	0.1
STANDING WATER	0	0.0	24	0.2	36	0.2	60	0.2
MOVING WATER	0	0.0	3	0.0	11	0.1	14	0.0
UNKNOWN	2	-	49	-	239	-	290	-
TOTAL	400	100.0	10,993	100.0	20,527	100.0	31,920	100.0

TABLE 3.10.6

2002 FIXED OBJECT CRASHES

HIGHWAY CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	57	14.3	1,556	14.2	2,997	14.6	4,610	14.4
U.S. HIGHWAY	50	12.5	1,139	10.4	1,872	9.1	3,061	9.6
STATE NUMBERED	92	23.0	1,824	16.6	2,534	12.3	4,450	13.9
SINGLE STATE LETTERED	73	18.3	1,521	13.8	1,702	8.3	3,296	10.3
DOUBLE STATE LETTERED	26	6.5	636	5.8	692	3.4	1,354	4.2
OUTER ROAD	0	0.0	70	0.6	124	0.6	194	0.6
COUNTY ROAD	63	15.8	1,944	17.7	2,873	14.0	4,880	15.3
CITY STREET	36	9.0	2,116	19.3	6,880	33.5	9,032	28.3
INTERSTATE LOOP	0	0.0	13	0.1	37	0.2	50	0.2
OTHER ¹	3	0.8	174	1.6	816	4.0	993	3.1
TOTAL	400	100.0	10,993	100.0	20,527	100.0	31,920	100.0

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

TABLE 3.10.7

2002 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	28	33.7	875	24.4	1,647	16.6	2,550	18.7	29	9.2	681	9.2	1,350	12.8	2,060	11.3
U.S. HIGHWAY	8	9.6	287	8.0	584	5.9	879	6.5	42	13.3	852	11.5	1,288	12.2	2,182	11.9
STATE NUMBERED	9	10.8	244	6.8	505	5.1	758	5.6	83	26.2	1,580	21.4	2,029	19.2	3,692	20.2
SINGLE STATE LETTERED	1	1.2	50	1.4	111	1.1	162	1.2	72	22.7	1,471	19.9	1,591	15.0	3,134	17.1
DOUBLE STATE LETTERED	2	2.4	39	1.1	60	0.6	101	0.7	24	7.6	597	8.1	632	6.0	1,253	6.9
OUTER ROAD	0	0.0	23	0.6	74	0.7	97	0.7	0	0.0	47	0.6	50	0.5	97	0.5
COUNTY ROAD	3	3.6	102	2.8	253	2.5	358	2.6	60	18.9	1,842	24.9	2,620	24.8	4,522	24.7
CITY STREET	31	37.4	1,849	51.5	6,087	61.2	7,967	58.5	5	1.6	267	3.6	793	7.5	1,065	5.8
INTERSTATE LOOP	0	0.0	10	0.3	26	0.3	36	0.3	0	0.0	3	0.0	11	0.1	14	0.1
OTHER ¹	1	1.2	114	3.2	596	6.0	711	5.2	2	0.6	60	0.8	220	2.1	282	1.5
TOTAL	83	100.0	3,593	100.0	9,943	100.0	13,619	100.0	317	100.0	7,400	100.0	10,584	100.0	18,301	100.0

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

TABLE 3.10.8

2002 FIXED OBJECT CRASHES

TYPE OF OBJECT STRUCK BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
TREE	63	15.9	1,567	14.3	1,863	9.2	3,493	11.0
EMBANKMENT	122	30.7	2,511	22.9	2,502	12.3	5,135	16.2
GUARD RAIL FACE	18	4.5	481	4.3	1,020	5.0	1,519	4.8
GUARD RAIL END	10	2.5	152	1.4	219	1.1	381	1.1
UTILITY POLE	6	1.5	825	7.5	1,482	7.3	2,313	7.3
FENCE	16	4.0	580	5.3	1,888	9.3	2,484	7.9
STREET LIGHT SUPPORT	0	0.0	179	1.6	589	2.9	768	2.4
CULVERT	29	7.3	398	3.6	432	2.1	859	2.7
TRAFFIC SIGN POST	31	7.8	612	5.6	1,746	8.6	2,389	7.6
PIER / ABUTMENT	10	2.5	99	0.9	161	0.8	270	0.9
CURB	6	1.5	355	3.2	1,115	5.5	1,476	4.7
MAILBOX	11	2.8	247	2.3	843	4.2	1,101	3.5
CONCRETE TRAF. BARRIER	4	1.0	293	2.7	522	2.6	819	2.6
BUILDING	1	0.3	115	1.1	429	2.1	545	1.7
TRAFFIC SIGNAL SUPPORT	5	1.3	88	0.8	318	1.6	411	1.3
IMPACT ATTENUATOR	0	0.0	21	0.2	48	0.2	69	0.2
FIRE HYDRANT	0	0.0	59	0.5	356	1.8	415	1.3
BRIDGE PARAPET END	2	0.5	60	0.6	47	0.2	109	0.3
BRIDGE RAIL	2	0.5	127	1.2	251	1.2	380	1.2
MEDIAN BARRIER	6	1.5	420	3.8	796	3.9	1,222	3.9
OVERHEAD SIGN SUPPORT	0	0.0	7	0.1	29	0.1	36	0.1
DITCH	34	8.6	1,263	11.5	1,810	8.9	3,107	9.8
OTHER POST	6	1.5	90	0.8	353	1.7	449	1.4
WALL	2	0.5	97	0.9	239	1.2	338	1.1
OTHER	13	3.3	310	2.8	1,215	6.0	1,538	4.9
FIXED OBJECT TYPE UNKNOWN	3	-	37	-	254	-	294	-
TOTAL	400	100.0	10,993	100.0	20,527	100.0	31,920	100.0

TABLE 3.10.9

**2002 MISSOURI FIXED OBJECT CRASHES
MONTH OF YEAR**

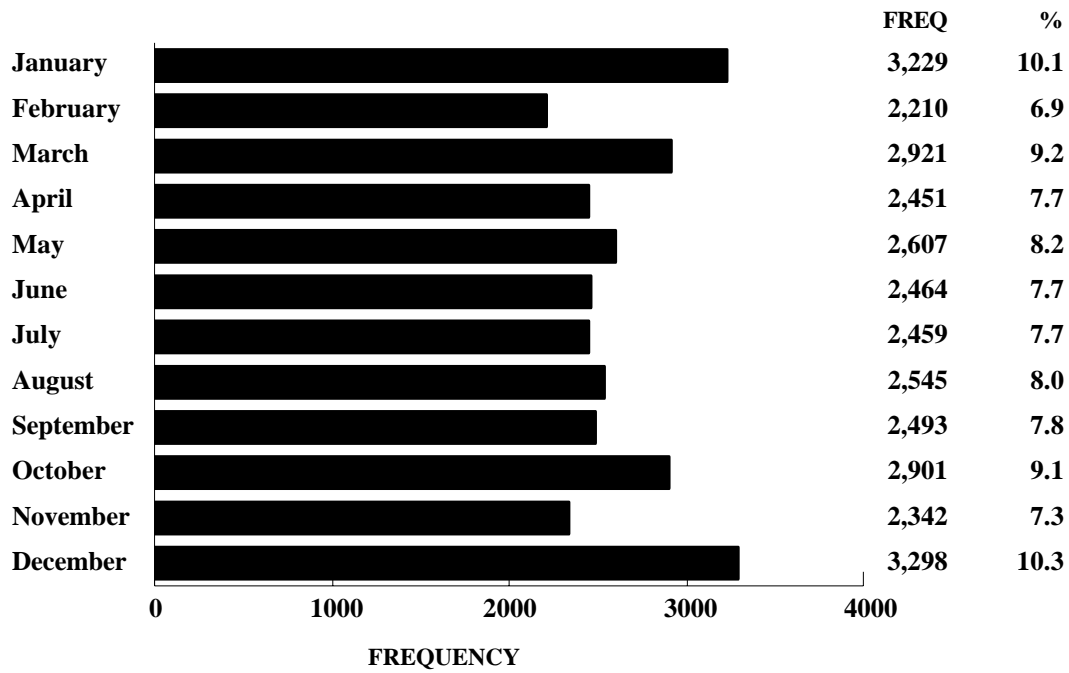
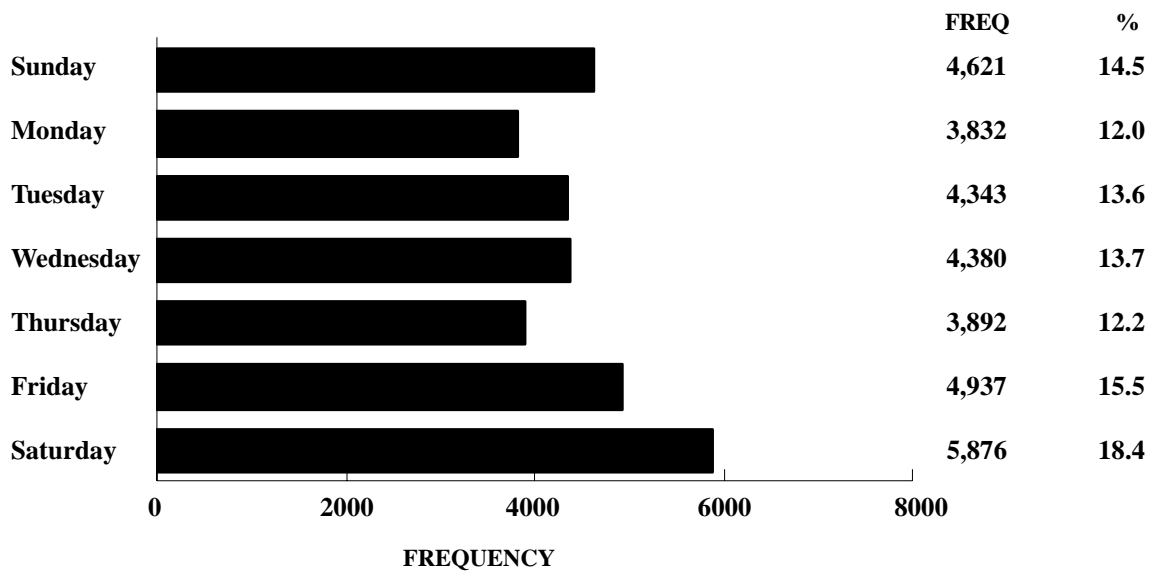


FIGURE 3.10.1

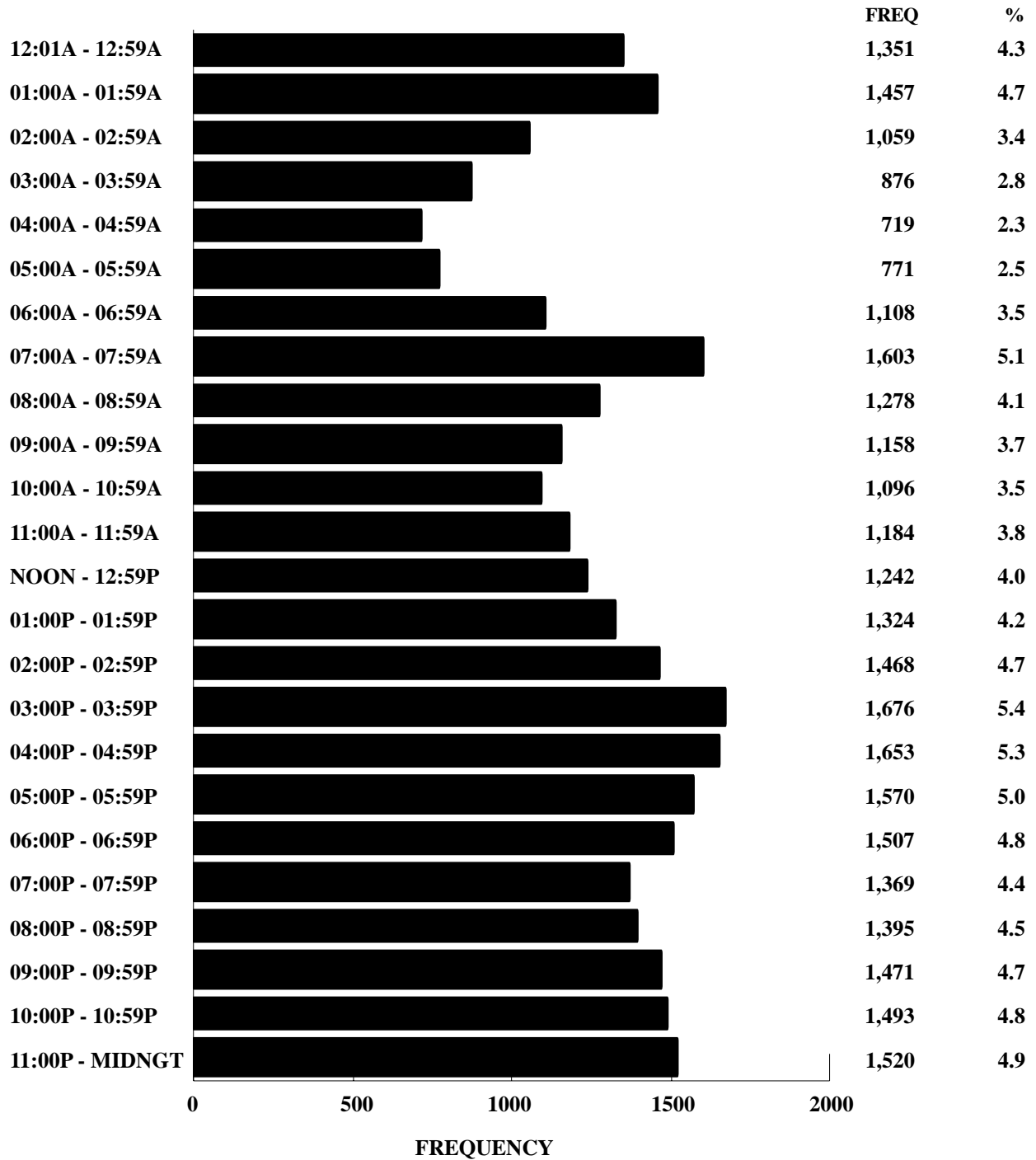
**2002 MISSOURI FIXED OBJECT CRASHES
DAY OF WEEK**



Unknown Data Not Included

FIGURE 3.10.2

**2002 MISSOURI FIXED OBJECT CRASHES
HOUR OF DAY**



Unknown Data Not Included

FIGURE 3.10.3

2002 MISSOURI FIXED OBJECT CRASHES

TYPE OF CIRCUMSTANCE INVOLVED BY CRASH SEVERITY AND PERSON CLASSIFICATION¹

FATAL FIXED OBJECT CRASHES = 400				TOTAL FIXED OBJECT CRASHES = 31,920		
	VEHICLE/DRIVER STRIKING OBJ.	OTHER DRIVER/ VEHICLE/PED.	TOTAL FATAL	VEHICLE/DRIVER STRIKING OBJ.	OTHER DRIVER/ VEHICLE/PED.	TOTAL CRASHES
VEHICLE DEFECTS	1.5	0.0	1.5	4.4	0.0	4.4
TRAFFIC CONTROL INOPERATIVE / MISSING	0.0	0.0	0.0	0.1	0.0	0.1
IMPROPERLY STOPPED ON ROADWAY	0.0	0.0	0.0	0.1	0.0	0.1
EXCEEDING SPEED LIMIT/ TOO FAST FOR CONDITIONS	53.3	0.5	53.5	43.7	0.1	43.7
IMPROPER PASSING	0.8	0.0	0.8	0.5	0.0	0.5
VIOLATION OF STOP SIGN	1.0	0.0	1.0	1.2	0.0	1.2
WRONG SIDE NOT PASSING	11.5	0.0	11.5	3.1	0.0	3.1
FOLLOWING TOO CLOSE	0.0	0.0	0.0	0.8	0.0	0.8
IMPROPER SIGNAL	0.0	0.0	0.0	0.0	0.0	0.0
IMPROPER BACKING	0.0	0.0	0.0	1.1	0.0	1.1
IMPROPER TURN	0.8	0.0	0.8	2.8	0.0	2.8
IMPROPER LANE USAGE / CHANGE	15.5	0.3	15.8	7.0	0.1	7.1
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	0.2	0.0	0.2
IMPROPERLY PARKED	0.0	0.0	0.0	0.3	0.0	0.3
FAILED TO YIELD	0.0	0.0	0.0	0.5	0.1	0.6
DRINKING	35.0	0.3	35.3	13.4	0.0	13.4
DRUGS	1.5	0.0	1.5	1.2	0.0	1.2
PHYSICAL IMPAIRMENT	12.8	0.0	12.8	6.1	0.0	6.1
INATTENTION	20.0	0.0	20.0	23.2	0.1	23.2

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 2002 Missouri fixed object crashes, it was found that the driver of the vehicle striking the fixed object was speeding in 43.7% of the crashes. In 0.1% of the crashes another driver was speeding. In 43.7% of the crashes either the driver of the vehicle striking the fixed object, another driver, or both drivers were speeding.

TABLE 3.10.10

2002 MISSOURI FIXED OBJECT CRASHES¹

TYPE OF VEHICLE STRIKING FIXED OBJECT BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AUTOMOBILE	192	48.0	6,510	59.3	11,685	58.4	18,387	58.5
SPORT UTILITY VEHICLE	43	10.8	1,177	10.7	1,938	9.7	3,158	10.1
LIMOUSINE	0	0.0	1	0.0	0	0.0	1	0.0
VAN	25	6.3	509	4.6	971	4.9	1,505	4.8
BUS	0	0.0	7	0.1	48	0.2	55	0.2
SCHOOL BUS	0	0.0	15	0.1	46	0.2	61	0.2
MOTORCYCLE	19	4.8	252	2.3	37	0.2	308	1.0
MOPEL	0	0.0	4	0.0	1	0.0	5	0.0
MOTOR HOME / CAMPER	0	0.0	1	0.0	21	0.1	22	0.1
FARM EQUIPMENT	0	0.0	8	0.1	5	0.0	13	0.0
CONSTRUCTIONEQUIPMENT	0	0.0	1	0.0	2	0.0	3	0.0
OTHER TRANSPORT DEVICE	1	0.3	2	0.0	22	0.1	25	0.1
PICKUP TRUCK	99	24.8	2,221	20.2	3,668	18.3	5,988	19.1
OTHER TRUCKS	14	3.5	254	2.3	1,581	7.9	1,849	5.9
ALL TERRAIN VEHICLE	7	1.8	25	0.2	2	0.0	34	0.1
UNKNOWN	0	-	6	-	500	-	506	-
TOTAL	400	100.0	10,993	100.0	20,527	100.0	31,920	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 2002 MISSOURI CRASHES¹

DRIVER INVOLVEMENT BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRIVERLESS	0	0.0	6	0.1	190	0.9	196	0.6
KNOWN DRIVER INVOLVED	399	99.8	10,907	99.2	18,009	87.7	29,315	91.8
UNKNOWN DRIVER INVOLVED	1	0.2	80	0.7	2,328	11.3	2,409	7.6
TOTAL	400	100.0	10,993	100.0	20,527	100.0	31,920	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 2002 MISSOURI CRASHES¹

SEX OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MALE	303	75.9	6,570	60.3	11,581	66.4	18,454	64.2
FEMALE	96	24.1	4,335	39.7	5,849	33.6	10,280	35.8
UNKNOWN	1	-	82	-	2,907	-	2,990	-
TOTAL	400	100.0	10,987	100.0	20,337	100.0	31,724	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 2002 MISSOURI CRASHES¹

AGE OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AVERAGE AGE OF DRIVER	36.9	-	32.5	-	32.5	-	32.6	-
14 YEARS AND UNDER	7	1.8	90	0.8	141	0.8	238	0.8
15 - 20 YEARS	80	20.1	3,131	28.8	4,782	26.8	7,993	27.5
21 - 25 YEARS	55	13.8	1,741	16.0	2,996	16.8	4,792	16.5
26 - 30 YEARS	36	9.0	1,094	10.1	1,870	10.5	3,000	10.3
31 - 35 YEARS	40	10.0	976	9.0	1,595	9.0	2,611	9.0
36 - 40 YEARS	30	7.5	892	8.2	1,617	9.1	2,539	8.7
41 - 45 YEARS	35	8.8	861	7.9	1,347	7.6	2,243	7.7
46 - 50 YEARS	35	8.8	583	5.4	1,069	6.0	1,687	5.8
51 - 55 YEARS	22	5.5	493	4.5	783	4.4	1,298	4.5
56 - 60 YEARS	17	4.3	308	2.8	552	3.1	877	3.0
61 - 65 YEARS	9	2.3	191	1.8	317	1.8	517	1.8
66 YEARS AND OVER	33	8.3	524	4.8	751	4.2	1,308	4.5
UNKNOWN	1	-	103	-	2,517	-	2,621	-
TOTAL	400	100.0	10,987	100.0	20,337	100.0	31,724	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 2002 MISSOURI CRASHES¹

DRIVER'S LICENSE STATE AND TYPE BY CRASH SEVERITY

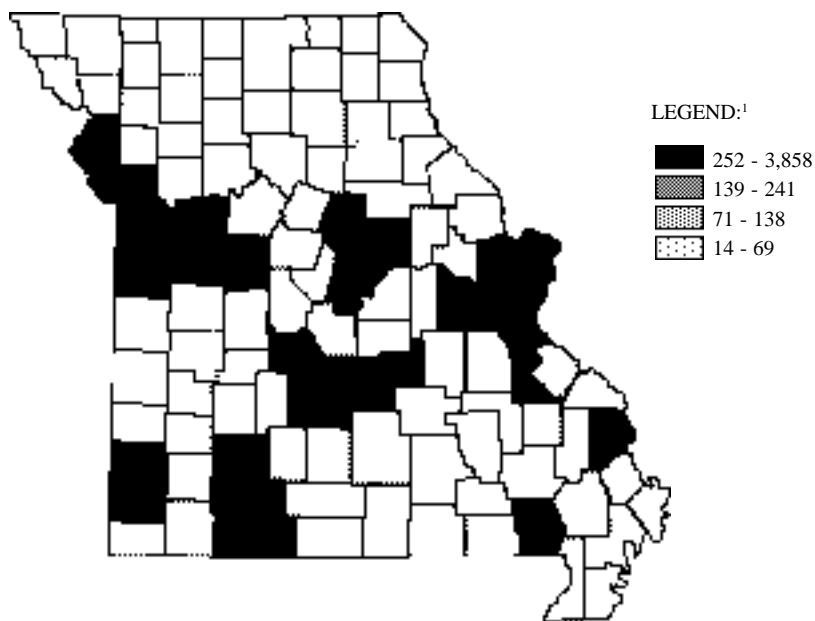
	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MISSOURI								
LEARNER'S PERMIT	3	0.8	107	1.0	157	0.9	267	0.9
OPERATOR'S LICENSE	276	69.5	8,316	77.5	12,824	74.5	21,416	75.6
MOTORCYCLE ONLY	0	0.0	2	0.0	0	0.0	2	0.0
COMMERCIAL DRIVER'S LICENSE	26	6.6	452	4.2	1,125	6.5	1,603	5.7
SUBTOTAL	305	76.8	8,877	82.7	14,106	82.0	23,288	82.2
OUT STATE								
LEARNER'S PERMIT	1	0.3	6	0.1	9	0.1	16	0.1
OPERATOR'S LICENSE	34	8.6	913	8.5	1,654	9.6	2,601	9.2
MOTORCYCLE ONLY	0	0.0	0	0.0	0	0.0	0	0.0
COMMERCIAL DRIVER'S LICENSE	7	1.8	116	1.1	603	3.5	726	2.6
SUBTOTAL	42	10.6	1,035	9.6	2,266	13.2	3,343	11.8
UNLICENSED	50	12.6	825	7.7	832	4.8	1,707	6.0
UNKNOWN	3	-	250	-	3,133	-	3,386	-
TOTAL	400	100.0	10,987	100.0	20,337	100.0	31,724	100.0

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

TABLE 3.10.15

2002 FIXED OBJECT INVOLVED CRASHES

COUNTY QUARTILE ANALYSIS



¹ LEGEND CATEGORIES ARE BASED ON QUARTILES OF COUNTIES.

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
1.0	ST. LOUIS	3,858	12.1	21.0	CALLAWAY	326	1.0
2.0	JACKSON	3,560	11.2	22.0	CHRISTIAN	303	0.9
3.0	ST. LOUIS CITY	2,302	7.2	23.0	PULASKI	283	0.9
4.0	JEFFERSON	1,316	4.1	24.0	LACLEDE	269	0.8
5.0	ST. CHARLES	1,300	4.1	25.0	STONE	267	0.8
6.0	GREENE	1,054	3.3	26.0	CAMDEN	261	0.8
7.0	CLAY	996	3.1	27.0	BUTLER	259	0.8
8.0	FRANKLIN	723	2.3	28.0	PETTIS	253	0.8
9.0	BOONE	527	1.7	29.0	LAFAYETTE	252	0.8
10.0	CAPE GIRARDEAU	484	1.5				First Quartile
11.0	JASPER	480	1.5				
12.0	PLATTE	478	1.5				Second Quartile
13.0	TANEY	424	1.3	30.0	LAWRENCE	241	0.8
14.0	BUCHANAN	411	1.3	31.5	BARRY	238	0.7
15.0	PHELPS	399	1.3	31.5	MC DONALD	238	0.7
16.0	NEWTON	387	1.2	33.0	HOWELL	221	0.7
17.5	COLE	381	1.2	34.0	CRAWFORD	211	0.7
17.5	ST. FRANCOIS	381	1.2	35.0	POLK	207	0.6
19.0	JOHNSON	372	1.2	36.0	LINCOLN	206	0.6
20.0	CASS	354	1.1	37.0	BENTON	203	0.6

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
38.0	WARREN	201	0.6	76.5	OSAGE	85	0.3
39.0	SALINE	195	0.6	79.0	ADAIR	83	0.3
40.0	SCOTT	194	0.6	79.0	GASCONADE	83	0.3
41.0	MARION	193	0.6	79.0	LINN	83	0.3
42.0	MORGAN	183	0.6	81.0	HARRISON	82	0.3
43.0	PEMISCOT	173	0.5	82.5	CEDAR	80	0.3
44.0	STODDARD	167	0.5	82.5	PIKE	80	0.3
45.0	WEBSTER	163	0.5	84.0	LIVINGSTON	78	0.2
46.0	MILLER	161	0.5	85.0	MADISON	77	0.2
47.0	HENRY	159	0.5	86.5	BARTON	71	0.2
48.0	STE. GENEVIEVE	158	0.5	86.5	MARIES	71	0.2
49.0	WASHINGTON	157	0.5				
50.0	RAY	156	0.5				Third Quartile
51.0	COOPER	154	0.5				
52.0	CLINTON	145	0.5				Fourth Quartile
53.0	DUNKLIN	144	0.5	88.0	OZARK	69	0.2
54.5	TEXAS	142	0.4	89.0	OREGON	68	0.2
54.5	WAYNE	142	0.4	90.0	LEWIS	66	0.2
56.5	AUDRAIN	141	0.4	91.0	DADE	65	0.2
56.5	MONTGOMERY	141	0.4	92.5	HICKORY	63	0.2
58.0	PERRY	139	0.4	92.5	REYNOLDS	63	0.2
			Second Quartile	94.0	GRUNDY	60	0.2
				95.5	CARROLL	59	0.2
				95.5	MONROE	59	0.2
			Third Quartile	97.0	CHARITON	57	0.2
59.0	RANDOLPH	138	0.4	98.0	CALDWELL	56	0.2
60.0	BATES	135	0.4	99.5	DAVISS	55	0.2
61.0	VERNON	131	0.4	99.5	HOWARD	55	0.2
62.0	DENT	125	0.4	101.5	CARTER	53	0.2
63.0	NEW MADRID	120	0.4	101.5	SHANNON	53	0.2
64.0	DALLAS	107	0.3	103.0	DE KALB	52	0.2
65.0	RIPLEY	106	0.3	104.0	HOLT	51	0.2
66.0	MACON	99	0.3	105.0	CLARK	44	0.1
67.5	ANDREW	97	0.3	106.0	GENTRY	43	0.1
67.5	WRIGHT	97	0.3	107.0	ATCHISON	42	0.1
69.0	RALLS	95	0.3	108.0	SULLIVAN	40	0.1
70.5	MONITEAU	91	0.3	109.0	SCOTLAND	35	0.1
70.5	ST. CLAIR	91	0.3	110.0	PUTNAM	33	0.1
72.0	BOLLINGER	90	0.3	111.0	SHELBY	27	0.1
73.0	MISSISSIPPI	88	0.3	112.0	MERCER	24	0.1
74.5	IRON	87	0.3	113.0	KNOX	23	0.1
74.5	NODAWAY	87	0.3	114.0	SCHUYLER	16	0.1
76.5	DOUGLAS	85	0.3	115.0	WORTH	14	0.0

TABLE 3.10.16

2002 FIXED OBJECT INVOLVED CRASHES

CITY LISTING

RANK	CITY	FREQUENCY	PERCENT ¹
1.0	KANSAS CITY	2,837	18.5
2.0	ST. LOUIS	2,302	15.0
3.0	SPRINGFIELD	626	4.1
4.0	INDEPENDENCE	472	3.1
5.0	ST. JOSEPH	301	2.0
6.0	LEE'S SUMMIT	293	1.9
7.0	COLUMBIA	239	1.6
8.0	ST. CHARLES	219	1.4
9.0	JEFFERSON CITY	216	1.4
10.0	CAPE GIRARDEAU	210	1.4
11.0	MARYLAND HEIGHTS	198	1.3
12.5	CHESTERFIELD	197	1.3
12.5	JOPLIN	197	1.3
14.0	ST. PETERS	194	1.3
15.0	O'FALLON	166	1.1
16.0	BRIDGETON	160	1.0
17.0	BLUE SPRINGS	129	0.8
18.0	FLORISSANT	125	0.8
19.0	SUNSET HILLS	122	0.8
20.0	WENTZVILLE	115	0.8
21.5	HANNIBAL	105	0.7
21.5	WILDWOOD	105	0.7
23.0	TOWN AND COUNTRY	102	0.7
24.0	LIBERTY	101	0.7
26.0	GRANDVIEW	100	0.7
26.0	HAZELWOOD	100	0.7
26.0	KIRKWOOD	100	0.7
28.0	BERKELEY	97	0.6
29.0	OVERLAND	95	0.6
30.0	ROLLA	93	0.6
31.0	UNIVERSITY CITY	91	0.6
32.0	BALLWIN	86	0.6
33.0	FERGUSON	83	0.5
34.0	ARNOLD	82	0.5
35.0	LADUE	81	0.5
36.5	RAYTOWN	78	0.5
36.5	SEDALIA	78	0.5
38.5	CREVE COEUR	76	0.5
38.5	RICHMOND HEIGHTS	76	0.5
40.0	POPLAR BLUFF	74	0.5
41.0	DES PERES	72	0.5
43.0	BRANSON	70	0.5
43.0	FESTUS	70	0.5
43.0	WEBSTER GROVES	70	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**

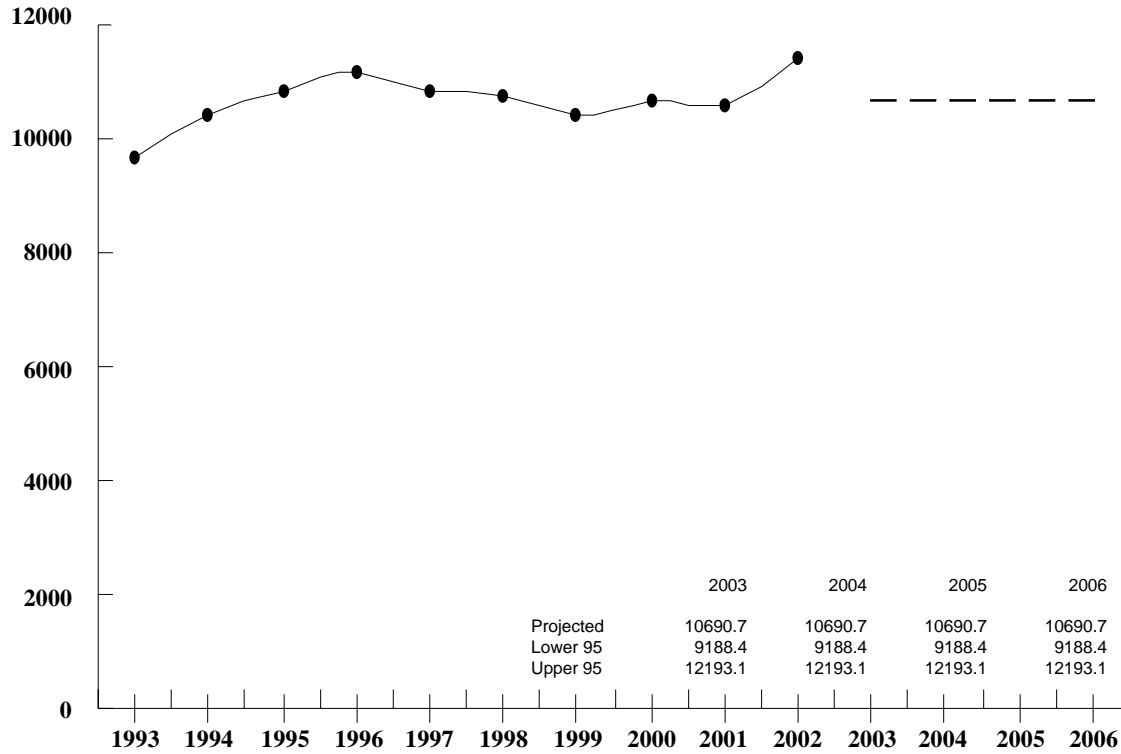


FIGURE 3.10.4

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.

2002 SUMMARY ANALYSIS

- Of all 2002 Missouri traffic crashes, 0.1% involved hazardous materials. Of all fatal traffic crashes, 0.4% were hazardous material related. A total of 7 persons were killed and 75 were injured in traffic crashes involving hazardous materials.
- There was a decrease of 22.3% in the rate of change when comparing all 2002 hazardous material involved traffic crash activity with that in 2001. There was an increase of 33.3% in the rate of change when comparing fatal 2002 hazardous material involved traffic crashes with those in 2001.
- In 2002, one person was killed or injured in hazardous material involved traffic crashes every 4.5 days in the State of Missouri.
- Of all 2002 hazardous material traffic crashes, the first harmful event in 65.4% of the cases involved one motor vehicle in transport striking another motor vehicle in transport. The first harmful event in 14.4% of the cases was a motor vehicle in transport striking a fixed object and in 9.8% of the incidents a motor vehicle overturned.
- Of all 2002 hazardous material traffic crashes, 44.4% occurred in urban areas and 55.6% occurred in rural areas of the State. Three of the four fatal crashes occurred in a rural area.
- Of all vehicles carrying hazardous materials involved in traffic crashes, 60.1% were two-unit trucks and 22.9% were single unit trucks.
- Of all vehicles carrying hazardous materials, 18.3% had their materials released as a result of the traffic crash.
- Of the drivers transporting hazardous materials involved in 2002 traffic crashes, 93.3% were male and 6.7% were female. The average age of the driver was 42.4 years.
- Of the drivers, 62.4% had a Missouri driver's license and 37.6% had an out-of-state driver's license at the time of the crash.

2002 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	4	0.4	41	0.1	108	0.1	153	0.1	7	75	0	21
NO HAZARDOUS MATERIALS INVOLVED	1,078	99.6	47,932	99.9	136,623	99.9	185,633	99.9	1,201	72,524	-	-
TOTAL	1,082	100.0	47,973	100.0	136,731	100.0	185,786	100.0	1,208	72,599	0	21

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

2001 and 2002 HAZARDOUS MATERIAL INVOLVED CRASH ANALYSIS

	2001	2002	RATE OF CHANGE
FATAL	3	4	+ 33.3
PERSONAL INJURY	76	41	- 46.1
PROPERTY DAMAGE	118	108	- 8.5
TOTAL	197	153	- 22.3

TABLE 3.11.2

2002 HAZARDOUS MATERIAL INVOLVED CRASHES

CRASH TYPE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
ANIMAL	0	0.0	0	0.0	2	1.9	2	1.3
BICYCLIST	0	0.0	0	0.0	0	0.0	0	0.0
FIXED OBJECT	0	0.0	6	14.6	16	14.8	22	14.4
OTHER OBJECT	1	25.0	0	0.0	2	1.9	3	2.0
PEDESTRIAN	0	0.0	0	0.0	0	0.0	0	0.0
TRAIN	0	0.0	0	0.0	1	0.9	1	0.7
VEHICLE IN TRANSPORT	3	75.0	24	58.5	73	67.6	100	65.4
VEHICLE ON OTHER ROADWAY	0	0.0	1	2.4	1	0.9	2	1.3
PARKED VEHICLE	0	0.0	1	2.4	3	2.8	4	2.6
NONCOLLISION OVERTURN	0	0.0	9	22.0	6	5.6	15	9.8
NONCOLLISION OTHER	0	0.0	0	0.0	4	3.7	4	2.6
TOTAL	4	100.0	41	100.0	108	100.0	153	100.0

TABLE 3.11.3

2002 HAZARDOUS MATERIAL INVOLVED CRASHES

AREA CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
URBAN	1	25.0	16	39.0	51	47.2	68	44.4
RURAL	3	75.0	25	61.0	57	52.8	85	55.6
TOTAL	4	100.0	41	100.0	108	100.0	153	100.0

TABLE 3.11.4

2002 HAZARDOUS MATERIAL INVOLVED CRASHES

ROAD CURVATURE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
STRAIGHT	3	75.0	33	80.5	92	86.8	128	84.8
CURVE	1	25.0	8	19.5	14	13.2	23	15.2
UNKNOWN	0	-	0	-	2	-	2	-
TOTAL	4	100.0	41	100.0	108	100.0	153	100.0

TABLE 3.11.5

2002 HAZARDOUS MATERIAL INVOLVED CRASHES

ROAD INCLINE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
LEVEL	3	75.0	24	58.5	67	62.0	94	61.4
HILL	1	25.0	17	41.5	38	35.2	56	36.6
CREST	0	0.0	0	0.0	3	2.8	3	2.0
UNKNOWN	0	-	0	-	0	-	0	-
TOTAL	4	100.0	41	100.0	108	100.0	153	100.0

TABLE 3.11.6

2002 HAZARDOUS MATERIAL INVOLVED CRASHES

ROAD CONDITIONS BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRY	4	100.0	34	85.0	89	82.4	127	83.6
WET	0	0.0	5	12.5	11	10.2	16	10.5
SNOW	0	0.0	0	0.0	6	5.6	6	4.0
ICE	0	0.0	0	0.0	2	1.9	2	1.3
SLUSH	0	0.0	1	2.5	0	0.0	1	0.7
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	-	1	-	0	-	1	-
TOTAL	4	100.0	41	100.0	108	100.0	153	100.0

TABLE 3.11.7

2002 HAZARDOUS MATERIAL INVOLVED CRASHES

HIGHWAY CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	1	25.0	12	29.3	33	30.6	46	30.1
U.S. HIGHWAY	3	75.0	9	22.0	17	15.7	29	19.0
STATE NUMBERED	0	0.0	9	22.0	17	15.7	26	17.0
SINGLE STATE LETTERED	0	0.0	2	4.9	9	8.3	11	7.2
DOUBLE STATE LETTERED	0	0.0	1	2.4	5	4.6	6	3.9
OUTER ROAD	0	0.0	2	4.9	0	0.0	2	1.3
COUNTY ROAD	0	0.0	0	0.0	8	7.4	8	5.2
CITY STREET	0	0.0	5	12.2	18	16.7	23	15.0
INTERSTATE LOOP	0	0.0	0	0.0	0	0.0	0	0.0
OTHER ¹	0	0.0	1	2.4	1	0.9	2	1.3
TOTAL	4	100.0	41	100.0	108	100.0	153	100.0

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

TABLE 3.11.8

**2002 MISSOURI HAZARDOUS MATERIAL INVOLVED CRASHES
MONTH OF YEAR**

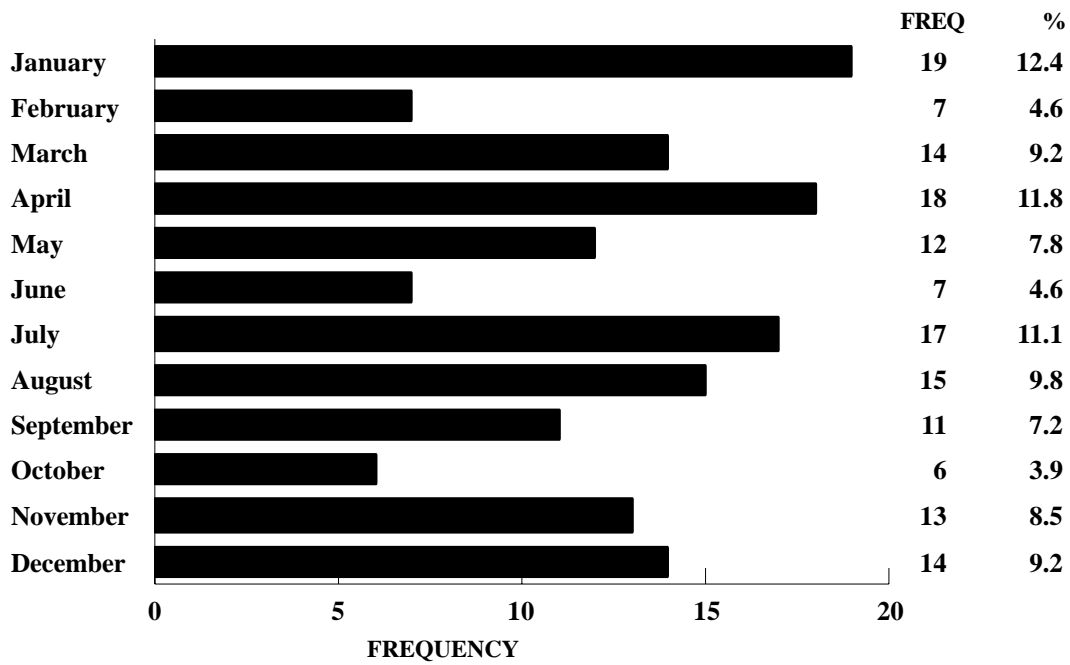


FIGURE 3.11.1

**2002 MISSOURI HAZARDOUS MATERIAL INVOLVED CRASHES
DAY OF WEEK**

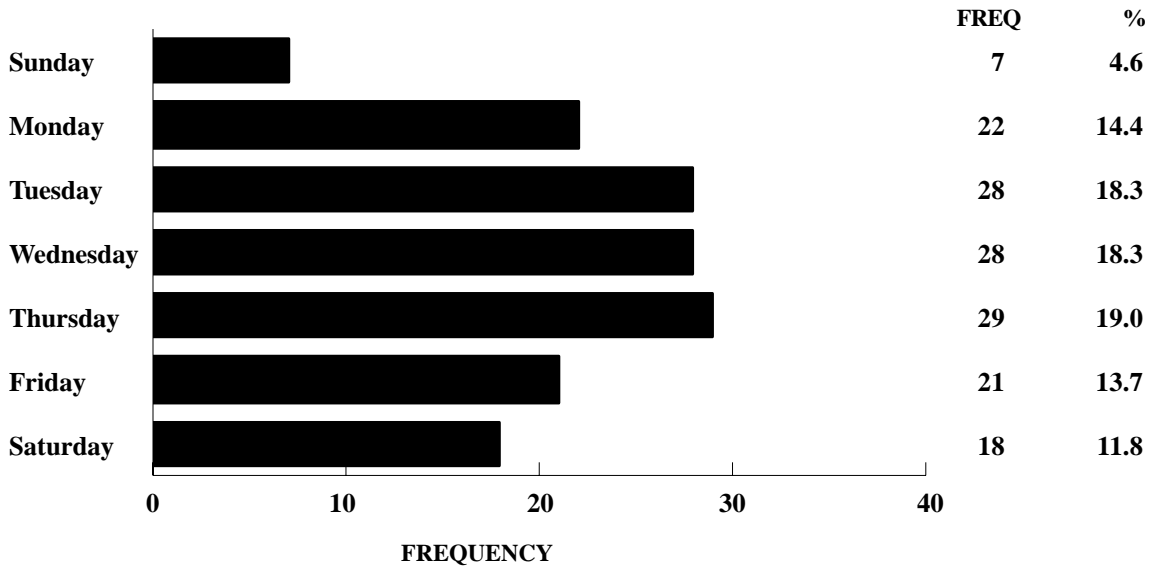


FIGURE 3.11.2

**2002 MISSOURI HAZARDOUS MATERIAL INVOLVED CRASHES
HOUR OF DAY**

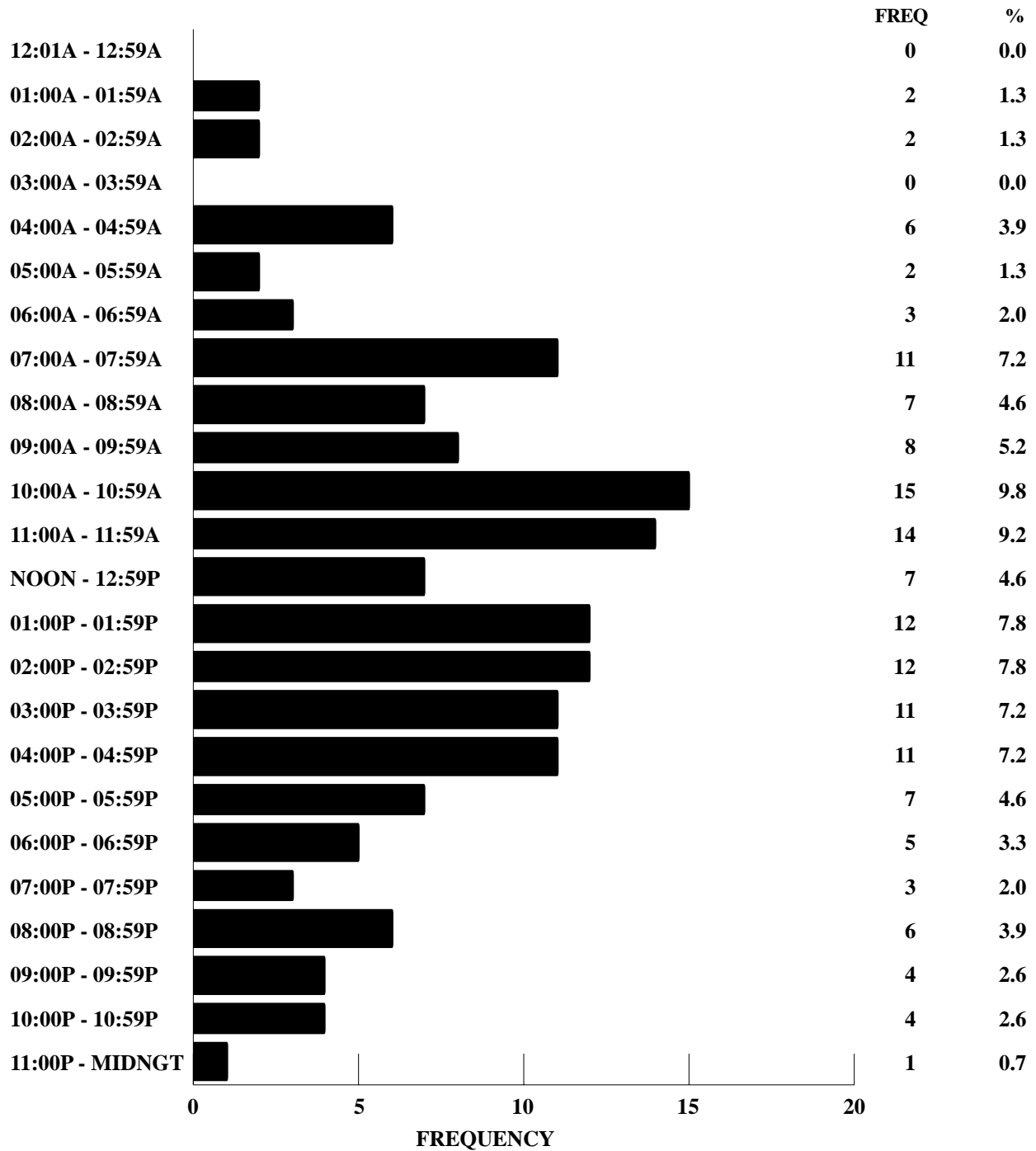


FIGURE 3.11.3

VEHICLES CARRYING HAZARDOUS MATERIALS INVOLVED IN 2002 MISSOURI CRASHES

TYPE OF VEHICLE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
PASSENGER CAR	0	0.0	1	2.4	8	7.4	9	5.9
SPORT UTILITY VEHICLE	0	0.0	0	0.0	1	0.9	1	0.7
VAN	0	0.0	0	0.0	3	2.8	3	2.0
FARM EQUIPMENT	0	0.0	2	4.9	0	0.0	2	1.3
OTHER TRANSPORT DEVICE	0	0.0	0	0.0	1	0.9	1	0.7
PICKUP TRUCK	0	0.0	1	2.4	7	6.5	8	5.2
SINGLE UNIT TRUCK	0	0.0	11	26.8	24	22.2	35	22.9
TWO UNIT TRUCK	4	100.0	26	63.4	62	57.4	92	60.1
OTHER HEAVY TRUCK	0	0.0	0	0.0	2	1.9	2	1.3
TOTAL	4	100.0	41	100.0	108	100.0	153	100.0

TABLE 3.11.9

VEHICLES CARRYING HAZARDOUS MATERIALS INVOLVED IN 2002 MISSOURI CRASHES

TYPE OF HAZARDOUS MATERIAL CARRIED BY SPILLAGE AND CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
SPILLED								
GASES IN BULK	0	0.0	1	2.4	2	1.9	3	2.0
SOLIDS IN BULK	0	0.0	3	7.3	2	1.9	5	3.3
LIQUIDS IN BULK	0	0.0	11	26.8	8	7.4	19	12.4
EXPLOSIVES	0	0.0	0	0.0	1	0.9	1	0.7
SUBTOTAL	0	0.0	15	36.6	13	12.0	28	18.3
NOT SPILLED								
GASES IN BULK	0	0.0	11	26.8	37	34.3	48	31.4
SOLIDS IN BULK	0	0.0	1	2.4	11	10.2	12	7.8
LIQUIDS IN BULK	3	75.0	12	29.3	44	40.7	59	38.6
EXPLOSIVES	1	25.0	2	4.9	3	2.8	6	3.9
SUBTOTAL	4	100.0	26	63.4	95	88.0	125	81.7
TOTAL	4	100.0	41	100.0	108	100.0	153	100.0

TABLE 3.11.10

2002 MISSOURI HAZARDOUS MATERIAL CRASHES

TYPE OF CIRCUMSTANCE INVOLVED BY CRASH SEVERITY AND PERSON CLASSIFICATION¹

FATAL HAZARDOUS MATERIAL CRASHES = 4				TOTAL HAZARDOUS MATERIAL CRASHES = 153		
	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	6.5	2.0	8.5
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	0.0	1.3	1.3
EXCEEDING SPEED LIMIT/ TOO FAST FOR CONDITIONS	25.0	50.0	50.0	9.8	7.8	17.0
IMPROPER PASSING	0.0	0.0	0.0	2.6	2.0	4.6
VIOLATION OF STOP SIGN	0.0	0.0	0.0	1.3	1.3	2.6
WRONG SIDE NOT PASSING	0.0	0.0	0.0	3.3	2.0	4.6
FOLLOWING TOO CLOSE	0.0	0.0	0.0	9.2	0.7	9.8
IMPROPER SIGNAL	0.0	0.0	0.0	0.0	0.7	0.7
IMPROPER BACKING	0.0	0.0	0.0	2.0	0.7	2.6
IMPROPER TURN	0.0	0.0	0.0	0.0	0.7	0.7
IMPROPER LANE USAGE / CHANGE	0.0	0.0	0.0	7.8	8.5	16.3
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	0.0	0.0	0.0
IMPROPERLY PARKED	0.0	0.0	0.0	0.0	0.0	0.0
FAILED TO YIELD	0.0	25.0	25.0	3.3	7.2	10.5
DRINKING	0.0	0.0	0.0	0.7	0.0	0.7
DRUGS	0.0	0.0	0.0	0.0	0.0	0.0
PHYSICAL IMPAIRMENT	0.0	0.0	0.0	2.0	0.7	2.6
INATTENTION	25.0	25.0	50.0	19.6	12.4	28.1

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 2002 Missouri hazardous material crashes, it was found that the driver of a vehicle carrying hazardous materials was speeding in 9.8% of the crashes. In 7.8% of the crashes another driver was speeding. In 17.0% 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 INVOLVED IN 2002 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	4	100.0	41	100.0	106	98.2	151	98.7
UNKNOWN DRIVER INVOLVED	0	0.0	0	0.0	2	1.8	2	1.3
TOTAL	4	100.0	41	100.0	108	100.0	153	100.0

TABLE 3.11.12

DRIVERS OF VEHICLES CARRYING HAZARDOUS MATERIALS INVOLVED IN 2002 MISSOURI CRASHES

SEX OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MALE	3	75.0	41	100.0	96	91.4	140	93.3
FEMALE	1	25.0	0	0.0	9	8.6	10	6.7
UNKNOWN	0	-	0	-	3	-	3	-
TOTAL	4	100.0	41	100.0	108	100.0	153	100.0

TABLE 3.11.13

DRIVERS OF VEHICLES CARRYING HAZARDOUS MATERIALS INVOLVED IN 2002 MISSOURI CRASHES

AGE OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AVERAGE AGE OF DRIVER	37.8	-	43.4	-	42.2	-	42.4	-
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	2	1.9	2	1.4
21 - 25 YEARS	0	0.0	3	7.5	9	8.7	12	8.1
26 - 30 YEARS	1	25.0	3	7.5	4	3.9	8	5.4
31 - 35 YEARS	1	25.0	5	12.5	14	13.5	20	13.5
36 - 40 YEARS	0	0.0	4	10.0	22	21.2	26	17.6
41 - 45 YEARS	2	50.0	7	17.5	16	15.4	25	16.9
46 - 50 YEARS	0	0.0	6	15.0	14	13.5	20	13.5
51 - 55 YEARS	0	0.0	6	15.0	8	7.7	14	9.5
56 - 60 YEARS	0	0.0	3	7.5	4	3.9	7	4.7
61 - 65 YEARS	0	0.0	3	7.5	7	6.7	10	6.8
66 YEARS AND OVER	0	0.0	0	0.0	4	3.9	4	2.7
UNKNOWN	0	-	1	-	4	-	5	-
TOTAL	4	100.0	41	100.0	108	100.0	153	100.0

TABLE 3.11.14

DRIVERS OF VEHICLES CARRYING HAZARDOUS MATERIALS INVOLVED IN 2002 MISSOURI CRASHES

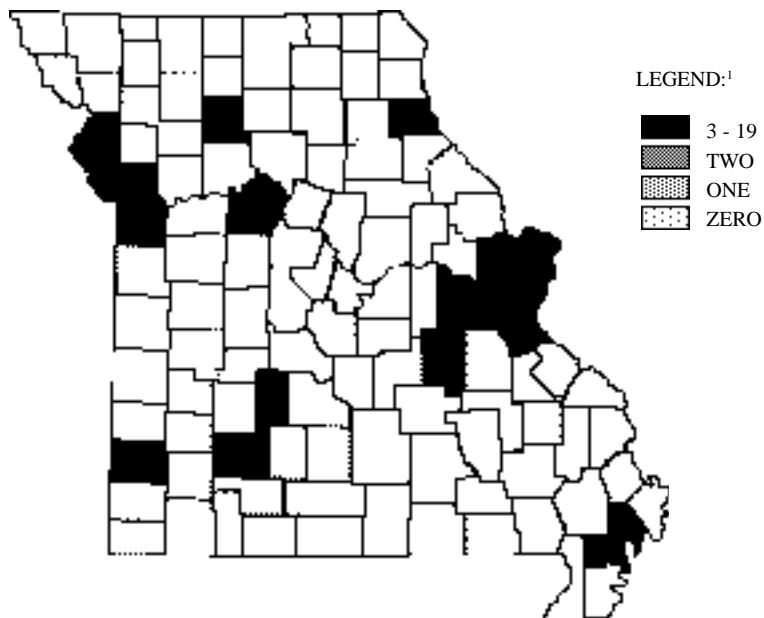
DRIVER'S LICENSE STATE AND TYPE BY CRASH SEVERITY

	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	1	2.4	18	17.3	19	12.8
MOTORCYCLE ONLY	0	0.0	0	0.0	0	0.0	0	0.0
COMMERCIAL DRIVER'S LICENSE	2	50.0	22	53.7	50	48.1	74	49.7
SUBTOTAL	2	50.0	23	56.1	68	65.4	93	62.4
OUT STATE								
LEARNER'S PERMIT	0	0.0	0	0.0	0	0.0	0	0.0
OPERATOR'S LICENSE	0	0.0	1	2.4	7	6.7	8	5.4
MOTORCYCLE ONLY	0	0.0	0	0.0	0	0.0	0	0.0
COMMERCIAL DRIVER'S LICENSE	2	50.0	17	41.5	29	27.9	48	32.2
SUBTOTAL	2	50.0	18	43.9	36	34.6	56	37.6
UNLICENSED	0	0.0	0	0.0	0	0.0	0	0.0
UNKNOWN	0	-	0	-	4	-	4	-
TOTAL	4	100.0	41	100.0	108	100.0	153	100.0

TABLE 3.11.15

2002 HAZARDOUS MATERIAL INVOLVED CRASHES

COUNTY QUARTILE ANALYSIS



¹ LEGEND CATEGORIES ARE BASED ON QUARTILES OF COUNTIES.

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
1.0	JACKSON	19	12.4	24.5	CAPE GIRARDEAU	2	1.3
2.0	ST. LOUIS	11	7.2	24.5	CHRISTIAN	2	1.3
3.0	ST. LOUIS CITY	10	6.5	24.5	COLE	2	1.3
4.0	ST. CHARLES	8	5.2	24.5	GENTRY	2	1.3
5.0	JASPER	6	3.9	24.5	IRON	2	1.3
6.5	GREENE	5	3.3	24.5	LACLEDE	2	1.3
6.5	PLATTE	5	3.3	24.5	MC DONALD	2	1.3
10.0	BUCHANAN	4	2.6	24.5	MACON	2	1.3
10.0	CRAWFORD	4	2.6	24.5	PETTIS	2	1.3
10.0	FRANKLIN	4	2.6	24.5	PIKE	2	1.3
10.0	JEFFERSON	4	2.6	24.5	REYNOLDS	2	1.3
10.0	LIVINGSTON	4	2.6	24.5	TANEY	2	1.3
15.0	CLAY	3	2.0	24.5	WEBSTER	2	1.3
15.0	DALLAS	3	2.0				
15.0	MARION	3	2.0				
15.0	NEW MADRID	3	2.0				
15.0	SALINE	3	2.0				
			First Quartile				
			Second Quartile				
24.5	BOONE	2	1.3				
							Second Quartile
							Third Quartile
				44.5	ADAIR	1	0.7
				44.5	ANDREW	1	0.7
				44.5	BARRY	1	0.7
				44.5	BATES	1	0.7
				44.5	BENTON	1	0.7

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
44.5	BOLLINGER	1	0.7	86.5	DUNKLIN	0	0.0
44.5	CALLAWAY	1	0.7	86.5	GASCONADE	0	0.0
44.5	CASS	1	0.7	86.5	GRUNDY	0	0.0
44.5	COOPER	1	0.7	86.5	HARRISON	0	0.0
44.5	HOWARD	1	0.7	86.5	HENRY	0	0.0
44.5	HOWELL	1	0.7	86.5	HICKORY	0	0.0
44.5	LAFAYETTE	1	0.7	86.5	HOLT	0	0.0
44.5	LAWRENCE	1	0.7	86.5	JOHNSON	0	0.0
44.5	LEWIS	1	0.7	86.5	KNOX	0	0.0
44.5	LINCOLN	1	0.7	86.5	LINN	0	0.0
44.5	MISSISSIPPI	1	0.7	86.5	MADISON	0	0.0
44.5	NODAWAY	1	0.7	86.5	MARIES	0	0.0
44.5	PEMISCOT	1	0.7	86.5	MERCER	0	0.0
44.5	PERRY	1	0.7	86.5	MILLER	0	0.0
44.5	PHELPS	1	0.7	86.5	MONITEAU	0	0.0
44.5	RAY	1	0.7	86.5	MONROE	0	0.0
44.5	ST. FRANCOIS	1	0.7	86.5	MONTGOMERY	0	0.0
44.5	SCOTT	1	0.7	86.5	MORGAN	0	0.0
44.5	TEXAS	1	0.7	86.5	NEWTON	0	0.0
44.5	WAYNE	1	0.7	86.5	OREGON	0	0.0
44.5	WRIGHT	1	0.7	86.5	OSAGE	0	0.0
Third Quartile				86.5	OZARK	0	0.0
Fourth Quartile				86.5	POLK	0	0.0
86.5	ATCHISON	0	0.0	86.5	PULASKI	0	0.0
86.5	AUDRAIN	0	0.0	86.5	PUTNAM	0	0.0
86.5	BARTON	0	0.0	86.5	RALLS	0	0.0
86.5	BUTLER	0	0.0	86.5	RANDOLPH	0	0.0
86.5	CALDWELL	0	0.0	86.5	RIPLEY	0	0.0
86.5	CAMDEN	0	0.0	86.5	ST. CLAIR	0	0.0
86.5	CARROLL	0	0.0	86.5	STE. GENEVIEVE	0	0.0
86.5	CARTER	0	0.0	86.5	SCHUYLER	0	0.0
86.5	CEDAR	0	0.0	86.5	SCOTLAND	0	0.0
86.5	CHARITON	0	0.0	86.5	SHANNON	0	0.0
86.5	CLARK	0	0.0	86.5	SHELBY	0	0.0
86.5	CLINTON	0	0.0	86.5	STODDARD	0	0.0
86.5	DADE	0	0.0	86.5	STONE	0	0.0
86.5	DAVISS	0	0.0	86.5	SULLIVAN	0	0.0
86.5	DE KALB	0	0.0	86.5	VERNON	0	0.0
86.5	DENT	0	0.0	86.5	WARREN	0	0.0
86.5	DOUGLAS	0	0.0	86.5	WASHINGTON	0	0.0
				86.5	WORTH	0	0.0

TABLE 3.11.16

2002 HAZARDOUS MATERIAL INVOLVED CRASHES

CITY LISTING

RANK	CITY	FREQUENCY	PERCENT ¹
1.0	KANSAS CITY	17	21.5
2.0	ST. LOUIS	10	12.7
3.0	SPRINGFIELD	4	5.1
4.0	ARNOLD	3	3.8
9.5	BUFFALO	2	2.5
9.5	CAPE GIRARDEAU	2	2.5
9.5	INDEPENDENCE	2	2.5
9.5	JEFFERSON CITY	2	2.5
9.5	NORTH KANSAS CITY	2	2.5
9.5	RIVERSIDE	2	2.5
9.5	ST. JOSEPH	2	2.5
9.5	ST. PETERS	2	2.5
9.5	SEDALIA	2	2.5
9.5	WENTZVILLE	2	2.5
27.0	BOWLING GREEN	1	1.3
27.0	CHARLESTON	1	1.3
27.0	CHILLICOTHE	1	1.3
27.0	COLUMBIA	1	1.3
27.0	DE SOTO	1	1.3
27.0	DES PERES	1	1.3
27.0	EUREKA	1	1.3
27.0	FERGUSON	1	1.3
27.0	HANNIBAL	1	1.3
27.0	HAZELWOOD	1	1.3
27.0	HOLLISTER	1	1.3
27.0	JOPLIN	1	1.3
27.0	LEBANON	1	1.3
27.0	MARSHALL	1	1.3
27.0	MONETT	1	1.3
27.0	O'FALLON	1	1.3
27.0	OZARK	1	1.3
27.0	PINE LAWN	1	1.3
27.0	ROLLA	1	1.3
27.0	ST. CHARLES	1	1.3
27.0	SULLIVAN	1	1.3
27.0	SUNSET HILLS	1	1.3
27.0	WEBB CITY	1	1.3
27.0	WESTON	1	1.3
27.0	WEST PLAINS	1	1.3

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.

2000 SUMMARY ANALYSIS

- Of all 2002 Missouri traffic crashes, 2.6% involved construction / other work zones. Of all fatal traffic crashes, 2.4% were construction / other work zone related. A total of 28 persons were killed and 1,646 were injured in traffic crashes involving construction / other work zones.
- In 2002, one person was killed or injured in construction / other work zone involved traffic crashes every 5.2 hours in the State of Missouri.
- Of all 2002 construction / other work zone traffic crashes, the first harmful event in 75.2% of the cases involved one motor vehicle in transport striking another motor vehicle in transport. In 14.3% of the cases, the first harmful event was a motor vehicle in transport striking a fixed object. In 34.6% of the fatal construction / other work zone traffic crashes, the first harmful event was a motor vehicle in transport striking a fixed object.
- Of all 2002 construction / other work zone traffic crashes, 68.8% occurred in urban areas and 31.2% occurred in rural areas of the State.
- Of all 2002 construction / other work zone traffic crashes, 42.8% occurred on an interstate highway.
- Of all vehicles involved in construction / other work zone traffic crashes, 52.6% were automobiles, 16.6% were pickup trucks, and 10.4% were other types of trucks.
- Of the drivers involved in 2002 construction / other work zone related traffic crashes, 62.8% were male and 37.2% were female. The average age of the driver was 38.1 years.
- Of the drivers, 82.1% had a Missouri driver's license, 16.4% had an out-of-state driver's license, and 1.4% were unlicensed at the time of the crash.

2002 MISSOURI TRAFFIC CRASHES
CONSTRUCTION / OTHER WORK ZONE INVOLVEMENT

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	TOTAL NUMBER¹ KILLED INJURED
CONSTRUCTION ZONE INVOLVED	26	2.4	1,089	2.3	3,723	2.7	4,838	2.6	28
NO CONSTRUCTION ZONE INVOLVED / UNKNOWN ²	1,056	97.6	46,884	97.7	133,008	97.3	180,948	97.4	1,180
TOTAL	1,082	100.0	47,973	100.0	136,731	100.0	185,786	100.0	1,208

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

2000 and 2002 CONSTRUCTION / OTHER WORK ZONE INVOLVED CRASH ANALYSIS

	2001	2002	RATE OF CHANGE
FATAL	22	26	+ 18.2
PERSONAL INJURY	710	1,089	+ 53.4
PROPERTY DAMAGE	2,584	3,723	+ 44.1
TOTAL	3,316	4,838	+ 45.9

TABLE 3.12.2

2002 CONSTRUCTION / OTHER WORK ZONE INVOLVED CRASHES

TRAFFIC CONTROL BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
CONSTRUCTION ZONE	25	96.2	992	91.1	3,398	91.3	4,415	91.3
OTHER WORK ZONE	1	3.8	97	8.9	325	8.7	423	8.7
TOTAL	26	100.0	1,089	100.0	3,723	100.0	4,838	100.0

TABLE 3.12.3

2002 CONSTRUCTION / OTHER WORK ZONE INVOLVED CRASHES

CRASH TYPE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
ANIMAL	0	0.0	3	0.3	29	0.8	32	0.7
BICYCLIST	0	0.0	2	0.2	0	0.0	2	0.0
FIXED OBJECT	9	34.6	178	16.4	506	13.6	693	14.3
OTHER OBJECT	1	3.9	26	2.4	150	4.0	177	3.7
PEDESTRIAN	3	11.5	18	1.7	2	0.1	23	0.5
TRAIN	0	0.0	1	0.1	0	0.0	1	0.0
VEHICLE IN TRANSPORT	10	38.5	793	72.8	2,837	76.2	3,640	75.2
VEHICLE ON OTHER ROADWAY	0	0.0	1	0.1	4	0.1	5	0.1
PARKED VEHICLE	0	0.0	13	1.2	109	2.9	122	2.5
NONCOLLISION OVERTURN	3	11.5	40	3.7	33	0.9	76	1.6
NONCOLLISION OTHER	0	0.0	14	1.3	53	1.4	67	1.4
TOTAL	26	100.0	1,089	100.0	3,723	100.0	4,838	100.0

TABLE 3.12.4

2002 CONSTRUCTION / OTHER WORK ZONE INVOLVED CRASHES

AREA CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
URBAN	9	34.6	743	68.2	2,578	69.3	3,330	68.8
RURAL	17	65.4	346	31.8	1,145	30.7	1,508	31.2
TOTAL	26	100.0	1,089	100.0	3,723	100.0	4,838	100.0

TABLE 3.12.5

2002 CONSTRUCTION / OTHER WORK ZONE INVOLVED CRASHES

ROAD CURVATURE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
STRAIGHT	18	69.2	903	83.2	2,991	84.8	3,912	84.3
CURVE	8	30.8	183	16.8	538	15.2	729	15.7
UNKNOWN	0	-	3	-	194	-	197	-
TOTAL	26	100.0	1,089	100.0	3,723	100.0	4,838	100.0

TABLE 3.12.6

2002 CONSTRUCTION / OTHER WORK ZONE INVOLVED CRASHES

ROAD INCLINE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
LEVEL	16	61.5	716	66.4	2,468	70.7	3,200	69.6
HILL	8	30.8	328	30.4	917	26.3	1,253	27.3
CREST	2	7.7	34	3.2	107	3.1	143	3.1
UNKNOWN	0	-	11	-	231	-	242	-
TOTAL	26	100.0	1,089	100.0	3,723	100.0	4,838	100.0

TABLE 3.12.7

2002 CONSTRUCTION / OTHER WORK ZONE INVOLVED CRASHES

ROAD CONDITIONS BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRY	24	92.3	920	85.0	3,111	84.2	4,055	84.4
WET	2	7.7	149	13.8	530	14.3	681	14.2
SNOW	0	0.0	6	0.6	24	0.7	30	0.6
ICE	0	0.0	2	0.2	18	0.5	20	0.4
SLUSH	0	0.0	2	0.2	5	0.1	7	0.2
MUD	0	0.0	1	0.1	4	0.0	5	0.1
STANDING WATER	0	0.0	2	0.2	3	0.1	5	0.1
MOVING WATER	0	0.0	0	0.0	1	0.0	1	0.0
UNKNOWN	0	-	7	-	27	-	34	-
TOTAL	26	100.0	1,089	100.0	3,723	100.0	4,838	100.0

TABLE 3.12.8

2002 CONSTRUCTION / OTHER WORK ZONE INVOLVED CRASHES

HIGHWAY CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	9	34.6	460	42.2	1,602	43.0	2,071	42.8
U.S. HIGHWAY	9	34.6	189	17.4	527	14.2	725	15.0
STATE NUMBERED	5	19.2	144	13.2	553	14.9	702	14.5
SINGLE STATE LETTERED	1	3.9	35	3.2	97	2.6	133	2.8
DOUBLE STATE LETTERED	0	0.0	8	0.7	15	0.4	23	0.5
OUTER ROAD	0	0.0	10	0.9	34	0.9	44	0.9
COUNTY ROAD	2	7.7	68	6.2	193	5.2	263	5.4
CITY STREET	0	0.0	163	15.0	660	17.7	823	17.0
INTERSTATE LOOP	0	0.0	3	0.3	6	0.2	9	0.2
OTHER ¹	0	0.0	9	0.8	36	1.0	45	0.9
TOTAL	26	100.0	1,089	100.0	3,723	100.0	4,838	100.0

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

TABLE 3.12.9

**2002 MISSOURI CONSTRUCTION / OTHER WORK ZONE INVOLVED CRASHES
MONTH OF YEAR**

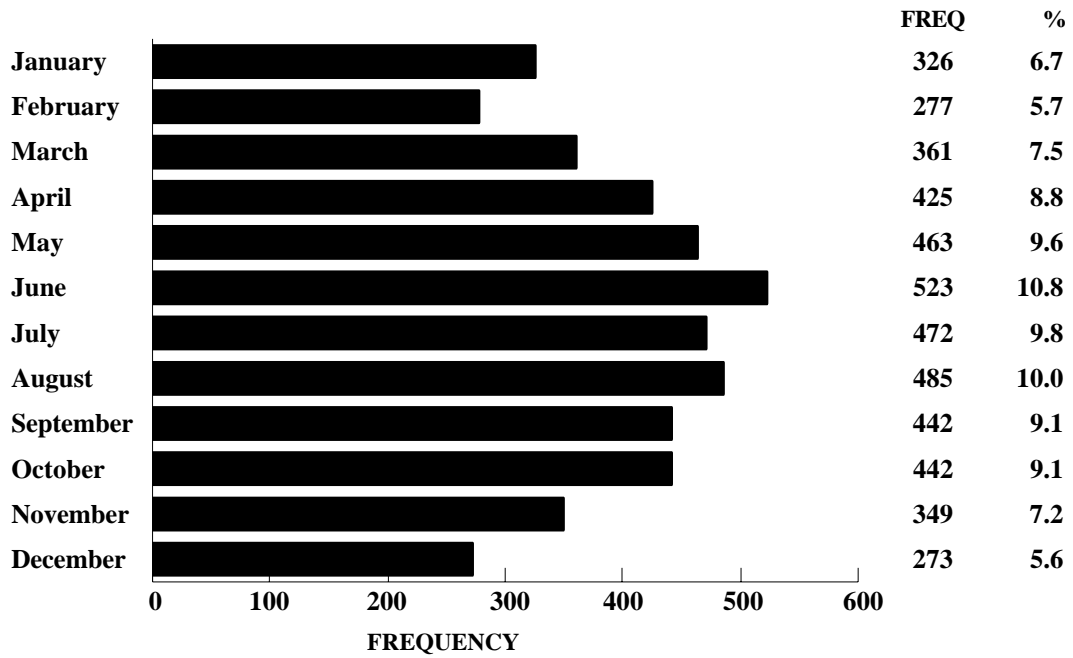
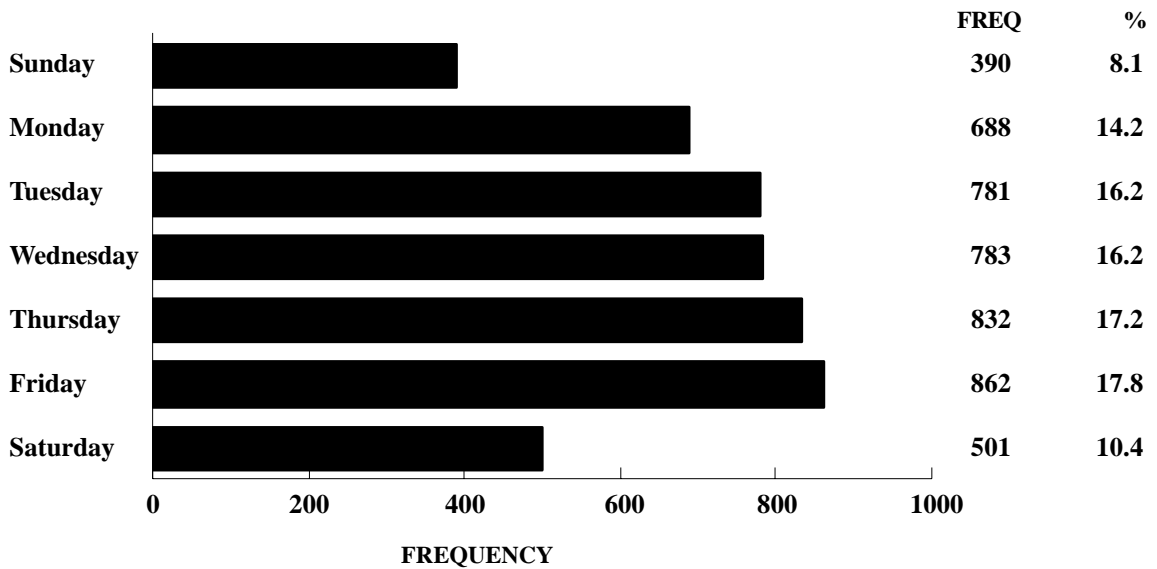


FIGURE 3.12.1

**2002 MISSOURI CONSTRUCTION / OTHER WORK ZONE INVOLVED CRASHES
DAY OF WEEK**



Unknown Data Not Included

FIGURE 3.12.2

**2002 MISSOURI CONSTRUCTION / OTHER WORK ZONE INVOLVED CRASHES
 HOUR OF DAY**

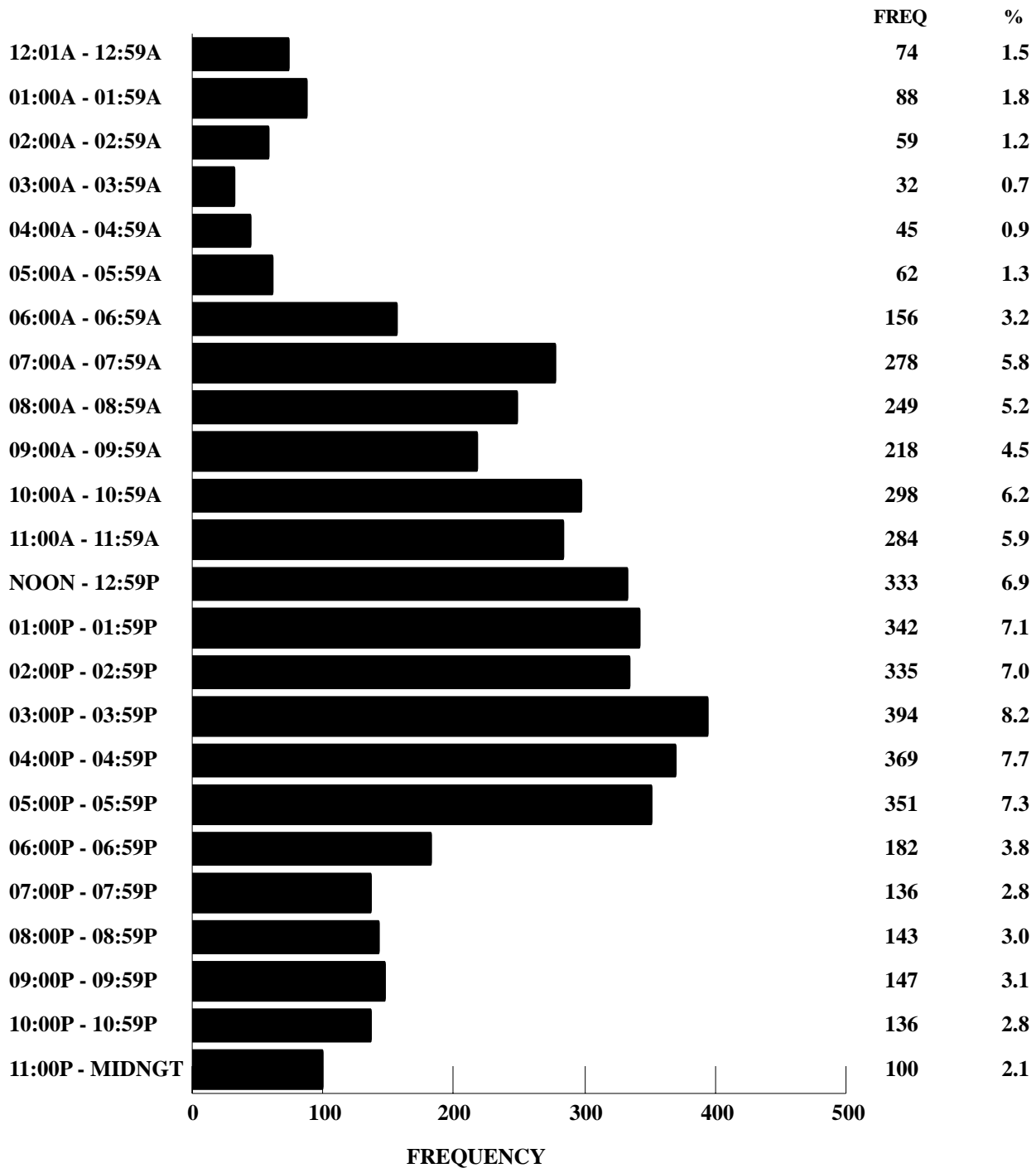


FIGURE 3.12.3

VEHICLES INVOLVED IN 2002 MISSOURI CONSTRUCTION / OTHER WORK ZONE CRASHES

TYPE OF VEHICLE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AUTOMOBILE	19	37.3	1,259	56.1	3,658	51.6	4,936	52.6
SPORT UTILITY VEHICLE	3	5.9	232	10.3	745	10.5	980	10.4
LIMOUSINE	0	0.0	0	0.0	2	0.0	2	0.0
VAN	4	7.8	165	7.4	547	7.7	716	7.6
BUS	0	0.0	6	0.3	31	0.4	37	0.4
SCHOOL BUS	0	0.0	9	0.4	36	0.5	45	0.5
MOTORCYCLE	3	5.9	29	1.3	6	0.1	38	0.4
MOPED	0	0.0	1	0.0	0	0.0	1	0.0
BICYCLE	1	2.0	2	0.1	0	0.0	3	0.0
MOTOR HOME / CAMPER	1	2.0	0	0.0	15	0.2	16	0.2
FARM EQUIPMENT	0	0.0	1	0.0	4	0.1	5	0.1
CONSTRUCTION EQUIPMENT	0	0.0	7	0.3	55	0.8	62	0.7
OTHER TRANSPORT DEVICE	0	0.0	2	0.1	9	0.1	11	0.1
PICKUP TRUCK	8	15.7	367	16.4	1,187	16.7	1,562	16.6
OTHER TRUCKS	12	23.5	165	7.4	798	11.3	975	10.4
ALL TERRAIN VEHICLE	0	0.0	0	0.0	1	0.0	1	0.0
VEHICLE TYPE UNKNOWN	0	-	8	-	71	-	79	-
TOTAL	51	100.0	2,253	100.0	7,165	100.0	9,469	100.0

TABLE 3.12.10

2002 MISSOURI CONSTRUCTION / OTHER WORK ZONE CRASHES

TYPE OF CIRCUMSTANCE INVOLVED BY CRASH SEVERITY¹

FATAL CONSTRUCTION / OTHER WORK ZONE CRASHES = 26	TOTAL CONSTRUCTION / OTHER WORK ZONE CRASHES = 4,838	
VEHICLE DEFECTS	0.0	2.8
TRAFFIC CONTROL INOPERATIVE / MISSING	0.0	0.5
IMPROPERLY STOPPED ON ROADWAY	3.8	0.9
EXCEEDING SPEED LIMIT / TOO FAST FOR CONDITIONS	30.8	16.7
IMPROPER PASSING	0.0	2.2
VIOLATION OF STOP SIGN	7.7	1.7
WRONG SIDE NOT PASSING	11.5	0.8
FOLLOWING TOO CLOSE	0.0	23.3
IMPROPER SIGNAL	0.0	0.2
IMPROPER BACKING	0.0	1.7
IMPROPER TURN	0.0	2.2
IMPROPER LANE USAGE / CHANGE	23.1	14.1
WRONG WAY ONE-WAY STREET	0.0	0.1
IMPROPER START FROM PARK	0.0	0.1
IMPROPERLY PARKED	0.0	0.2
FAILED TO YIELD	11.5	11.2
DRINKING	26.9	3.2
DRUGS	3.8	0.3
PHYSICAL IMPAIRMENT	0.0	1.4
INATTENTION	42.3	31.4

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 2002 Missouri fatal construction / other work zone crashes, it was found that in 26.9% of the crashes one or more drivers were drinking. In all construction / other work zone traffic crashes, 3.2% had one or more drivers who were drinking.

TABLE 3.12.11

VEHICLES INVOLVED IN 2002 MISSOURI CONSTRUCTION / OTHER WORK ZONE CRASHES

DRIVER INVOLVEMENT BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRIVERLESS	0	0.0	27	1.2	141	2.0	168	1.8
KNOWN DRIVER INVOLVED	51	100.0	2,168	96.2	6,646	92.8	8,865	93.6
UNKNOWN DRIVER INVOLVED	0	0.0	58	2.6	378	5.3	436	4.6
TOTAL	51	100.0	2,253	100.0	7,165	100.0	9,469	100.0

TABLE 3.12.12

DRIVERS OF VEHICLES INVOLVED IN 2002 MISSOURI CONSTRUCTION / OTHER WORK ZONE CRASHES

SEX OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MALE	37	72.6	1,279	59.1	4,052	63.9	5,368	62.8
FEMALE	14	27.4	885	40.9	2,285	36.1	3,184	37.2
UNKNOWN	0	-	62	-	687	-	749	-
TOTAL	51	100.0	2,226	100.0	7,024	100.0	9,301	100.0

TABLE 3.12.13

DRIVERS OF VEHICLES INVOLVED IN 2002 MISSOURI CONSTRUCTION / OTHER WORK ZONE CRASHES

AGE OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AVERAGE AGE OF DRIVER	43.5	-	38.1	-	38.1	-	38.1	-
14 YEARS AND UNDER	0	0.0	1	0.1	0	0.0	1	0.0
15 - 20 YEARS	3	5.9	322	15.0	885	13.6	1,210	13.9
21 - 25 YEARS	7	13.7	272	12.7	832	12.8	1,111	12.8
26 - 30 YEARS	5	9.8	227	10.6	740	11.4	972	11.2
31 - 35 YEARS	4	7.8	211	9.8	655	10.1	870	10.0
36 - 40 YEARS	5	9.8	230	10.7	730	11.2	965	11.1
41 - 45 YEARS	6	11.8	222	10.4	712	10.9	940	10.8
46 - 50 YEARS	2	3.9	203	9.5	561	8.6	766	8.8
51 - 55 YEARS	5	9.8	148	6.9	469	7.2	622	7.1
56 - 60 YEARS	4	7.8	103	4.8	328	5.0	435	5.0
61 - 65 YEARS	4	7.8	59	2.8	200	3.1	263	3.0
66 YEARS AND OVER	6	11.8	147	6.9	399	6.1	552	6.3
UNKNOWN	0	-	81	-	513	-	594	-
TOTAL	51	100.0	2,226	100.0	7,024	100.0	9,301	100.0

TABLE 3.12.14

DRIVERS OF VEHICLES INVOLVED IN 2002 MISSOURI CONSTRUCTION / OTHER WORK ZONE CRASHES

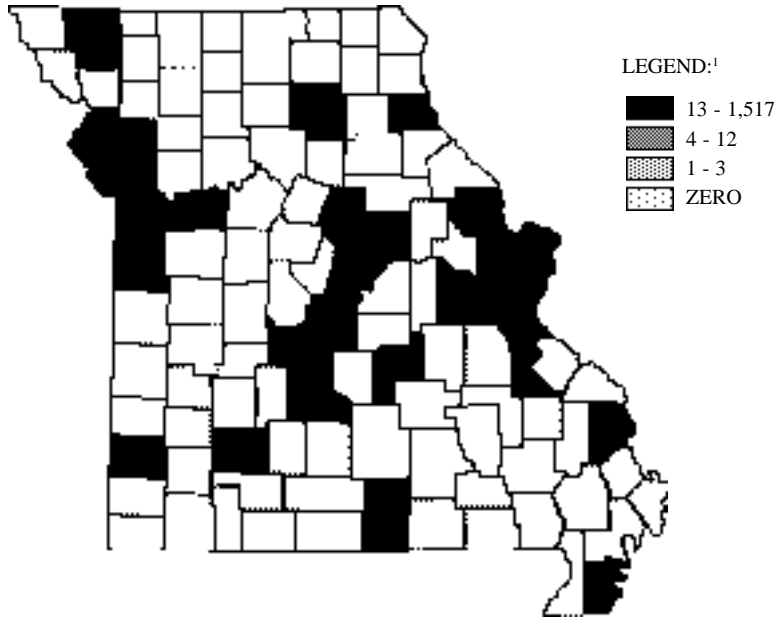
DRIVER'S LICENSE STATE AND TYPE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MISSOURI								
LEARNER'S PERMIT	0	0.0	9	0.4	20	0.3	29	0.3
OPERATOR'S LICENSE	31	60.8	1,611	75.7	4,519	72.4	6,161	73.2
MOTORCYCLE ONLY	0	0.0	0	0.0	0	0.0	0	0.0
COMMERCIAL DRIVER'S LICENSE	5	9.8	149	7.0	572	9.2	726	8.6
SUBTOTAL	36	70.6	1,769	83.1	5,111	81.9	6,916	82.1
OUT STATE								
LEARNER'S PERMIT	0	0.0	0	0.0	0	0.0	0	0.0
OPERATOR'S LICENSE	5	9.8	243	11.4	729	11.7	977	11.6
MOTORCYCLE ONLY	0	0.0	0	0.0	0	0.0	0	0.0
COMMERCIAL DRIVER'S LICENSE	7	13.7	80	3.8	321	5.1	408	4.9
SUBTOTAL	12	23.5	323	15.2	1,050	16.8	1,385	16.4
UNLICENSED	3	5.9	37	1.7	79	1.3	119	1.4
UNKNOWN	0	-	97	-	784	-	881	-
TOTAL	51	100.0	2,226	100.0	7,024	100.0	9,301	100.0

TABLE 3.12.15

2002 CONSTRUCTION / OTHER WORK ZONE INVOLVED CRASHES

COUNTY QUARTILE ANALYSIS



¹ LEGEND CATEGORIES ARE BASED ON QUARTILES OF COUNTIES.

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
1.0	ST. LOUIS	1,517	31.4	22.0	CAMDEN	17	0.4
2.0	ST. CHARLES	589	12.2	22.0	LAFAYETTE	17	0.4
3.0	JACKSON	561	11.6	22.0	PHELPS	17	0.4
4.0	JEFFERSON	435	9.0	24.0	NODAWAY	16	0.3
5.0	ST. LOUIS CITY	356	7.4	25.5	COLE	15	0.3
6.0	CLAY	326	6.7	25.5	MILLER	15	0.3
7.0	CASS	156	3.2	27.0	LINCOLN	14	0.3
8.0	GREENE	74	1.5	28.5	HOWELL	13	0.3
9.0	CAPE GIRARDEAU	69	1.4	28.5	LACLEDE	13	0.3
10.0	BUCHANAN	58	1.2				
11.0	BOONE	43	0.9				First Quartile
12.0	PLATTE	39	0.8				
13.0	ST. FRANCOIS	36	0.7	31.0	BUTLER	12	0.2
14.0	MARION	31	0.6	31.0	NEW MADRID	12	0.2
15.0	FRANKLIN	29	0.6	31.0	SCOTT	12	0.2
16.0	JASPER	28	0.6	33.5	DALLAS	11	0.2
17.0	PEMISCOT	27	0.6	33.5	OREGON	11	0.2
18.0	CALLAWAY	25	0.5	35.0	CARTER	10	0.2
19.0	MACON	19	0.4	36.5	CRAWFORD	9	0.2
20.0	CLINTON	18	0.4	36.5	LAWRENCE	9	0.2

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
38.0	RANDOLPH	8	0.2	71.5	STE. GENEVIEVE	2	0.0
41.5	BATES	7	0.1	87.0	BARRY	1	0.0
41.5	COOPER	7	0.1	87.0	CALDWELL	1	0.0
41.5	LIVINGSTON	7	0.1	87.0	CLARK	1	0.0
41.5	NEWTON	7	0.1	87.0	DADE	1	0.0
41.5	VERNON	7	0.1	87.0	DENT	1	0.0
41.5	WARREN	7	0.1	87.0	GASCONADE	1	0.0
46.0	LINN	6	0.1	87.0	GENTRY	1	0.0
46.0	POLK	6	0.1	87.0	HOLT	1	0.0
46.0	WEBSTER	6	0.1	87.0	HOWARD	1	0.0
50.0	ANDREW	5	0.1	87.0	IRON	1	0.0
50.0	DE KALB	5	0.1	87.0	LEWIS	1	0.0
50.0	JOHNSON	5	0.1	87.0	MONTEAU	1	0.0
50.0	MONTGOMERY	5	0.1	87.0	RALLS	1	0.0
50.0	TANEY	5	0.1	87.0	RIPLEY	1	0.0
54.5	CEDAR	4	0.1	87.0	SALINE	1	0.0
54.5	CHRISTIAN	4	0.1	87.0	SCOTLAND	1	0.0
54.5	RAY	4	0.1	87.0	SHANNON	1	0.0
54.5	STODDARD	4	0.1	87.0	TEXAS	1	0.0
Second Quartile				87.0	WORTH	1	0.0
Third Quartile				Third Quartile			
61.0	BENTON	3	0.1	Fourth Quartile			
61.0	DAVISS	3	0.1	106.0	ADAIR	0	0.0
61.0	HENRY	3	0.1	106.0	ATCHISON	0	0.0
61.0	MORGAN	3	0.1	106.0	AUDRAIN	0	0.0
61.0	OSAGE	3	0.1	106.0	DUNKLIN	0	0.0
61.0	PETTIS	3	0.1	106.0	HARRISON	0	0.0
61.0	STONE	3	0.1	106.0	HICKORY	0	0.0
61.0	WASHINGTON	3	0.1	106.0	KNOX	0	0.0
61.0	WAYNE	3	0.1	106.0	MADISON	0	0.0
71.5	BARTON	2	0.0	106.0	MARIES	0	0.0
71.5	BOLLINGER	2	0.0	106.0	MERCER	0	0.0
71.5	CARROLL	2	0.0	106.0	MONROE	0	0.0
71.5	CHARITON	2	0.0	106.0	OZARK	0	0.0
71.5	DOUGLAS	2	0.0	106.0	PUTNAM	0	0.0
71.5	GRUNDY	2	0.0	106.0	REYNOLDS	0	0.0
71.5	MC DONALD	2	0.0	106.0	ST. CLAIR	0	0.0
71.5	MISSISSIPPI	2	0.0	106.0	SCHUYLER	0	0.0
71.5	PERRY	2	0.0	106.0	SHELBY	0	0.0
71.5	PIKE	2	0.0	106.0	SULLIVAN	0	0.0
71.5	PULASKI	2	0.0	106.0	WRIGHT	0	0.0

TABLE 3.12.16

2002 CONSTRUCTION / OTHER WORK ZONE INVOLVED CRASHES

CITY LISTING

RANK	CITY	FREQUENCY	PERCENT¹
1.0	KANSAS CITY	445	12.2
2.0	ST. LOUIS	356	9.8
3.0	CREVE COEUR	207	5.7
4.0	HAZELWOOD	172	4.7
5.0	WENTZVILLE	153	4.2
6.0	LIBERTY	140	3.8
7.0	ARNOLD	133	3.7
8.0	ST. PETERS	126	3.5
9.0	MARYLAND HEIGHTS	108	3.0
10.0	BERKELEY	99	2.7
11.0	SMITHVILLE	96	2.6
12.0	CHESTERFIELD	84	2.3
13.0	FLORISSANT	80	2.2
14.0	HARRISONVILLE	77	2.1
15.0	NORMANDY	67	1.8
16.5	INDEPENDENCE	66	1.8
16.5	LEE'S SUMMIT	66	1.8
18.0	SPRINGFIELD	61	1.7
19.0	CAPE GIRARDEAU	55	1.5
20.0	ST. JOSEPH	51	1.4
21.0	ST. CHARLES	49	1.3
22.0	COOL VALLEY	47	1.3
23.0	BRIDGETON	46	1.3
24.0	MANCHESTER	43	1.2

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 involved 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 involved 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 2001 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.

2001 SUMMARY ANALYSIS

- Of the drivers of automobiles, trucks, vans, and motor homes killed in 2002 Missouri traffic crashes, 27.2% were wearing seat belts. Of the passengers killed in these types of vehicles, 30.7% wore their seat belt. For drivers involved in traffic crashes not killed or injured, 93.8% were wearing their seat belt at the time of the crash.
- A driver involved in a 2002 Missouri traffic crash had a 1 in 3 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 7. When examining driver deaths, the differences are much more dramatic. A driver involved in a 2002 Missouri traffic crash had a 1 in 46 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 1,342.
- Of those drivers totally ejected from their vehicle, 21.3% were wearing their seat belts. Of those partially ejected, 57.8% were wearing seat belts. Of those not ejected, 91.8% were wearing seat belts.
- Of Missouri licensed drivers involved in 2002 traffic crashes, 91.6% were wearing seat belts compared to 94.7% of drivers licensed in other states. Only 68.0% of unlicensed drivers were wearing seat belts at the time of the crash.

2002 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	177		474		65		716	
ROW %		27.2		72.8		-		100.0
PASSENGER	87		196		22		305	
ROW %		30.7		69.3		-		100.0
MAJOR DISABLING INJURY								
DRIVER	2,866		1,940		606		5,412	
ROW %		59.6		40.4		-		100.0
PASSENGER	1,248		1,146		241		2,635	
ROW %		52.1		47.9		-		100.0
EVIDENT INJURY								
DRIVER	12,157		4,012		1,905		18,074	
ROW %		75.2		24.8		-		100.0
PASSENGER	5,059		2,580		867		8,506	
ROW %		66.2		33.8		-		100.0
PROBABLE INJURY								
DRIVER	17,889		2,022		2,035		21,946	
ROW %		89.8		10.2		-		100.0
PASSENGER	8,452		1,701		1,078		11,231	
ROW %		83.3		16.7		-		100.0
NOT INJURED								
DRIVER	204,455		13,492		28,734		246,681	
ROW %		93.8		6.2		-		100.0
PASSENGER ¹	144	-	31	-	16	-	191	-
INJURY UNKNOWN								
DRIVER	1,496		213		17,053		18,762	
ROW %		87.5		12.5		-		100.0
PASSENGER ¹	7	-	1	-	2	-	10	-

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

2002 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>	164,209	<i>93.8</i>	10,838	<i>6.2</i>	40,828	-	215,875 <i>100.0</i>
RURAL <i>ROW %</i>	74,831	<i>86.9</i>	11,315	<i>13.1</i>	9,570	-	95,716 <i>100.0</i>
TOTAL <i>ROW %</i>	239,040	<i>91.5</i>	22,153	<i>8.5</i>	50,398	-	311,591 <i>100.0</i>

TABLE 3.13.2

2002 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>	145,414	<i>91.2</i>	14,018	<i>8.8</i>	33,450	-	192,882 <i>100.0</i>
CLOUDY <i>ROW %</i>	56,053	<i>91.3</i>	5,342	<i>8.7</i>	9,272	-	70,667 <i>100.0</i>
RAIN <i>ROW %</i>	19,092	<i>93.0</i>	1,439	<i>7.0</i>	3,843	-	24,374 <i>100.0</i>
SNOW <i>ROW %</i>	6,161	<i>92.8</i>	479	<i>7.2</i>	1,084	-	7,724 <i>100.0</i>
SLEET <i>ROW %</i>	618	<i>89.7</i>	71	<i>10.3</i>	113	-	802 <i>100.0</i>
FREEZING <i>ROW %</i>	1,035	<i>88.9</i>	129	<i>11.1</i>	238	-	1,402 <i>100.0</i>
FOG OR MIST <i>ROW %</i>	1,455	<i>88.2</i>	195	<i>11.8</i>	227	-	1,877 <i>100.0</i>
INDETERMINATE <i>ROW %</i>	750	<i>94.1</i>	47	<i>5.9</i>	223	-	1,020 <i>100.0</i>
UNKNOWN <i>ROW %</i>	8,462	<i>95.1</i>	433	<i>4.9</i>	1,948	-	10,843 <i>100.0</i>
TOTAL <i>ROW %</i>	239,040	<i>91.5</i>	22,153	<i>8.5</i>	50,398	-	311,591 <i>100.0</i>

TABLE 3.13.3

2002 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>	28,800	95.2	1,457	4.8	5,197	-	35,454 <i>100.0</i>
U.S. HIGHWAY <i>ROW %</i>	27,128	91.4	2,540	8.6	3,064	-	32,732 <i>100.0</i>
STATE NUMBERED <i>ROW %</i>	41,191	91.2	3,989	8.8	4,105	-	49,285 <i>100.0</i>
SINGLE STATE LETTERED <i>ROW %</i>	11,569	85.0	2,040	15.0	1,078	-	14,687 <i>100.0</i>
DOUBLE STATE LETTERED <i>ROW %</i>	5,291	86.2	850	13.8	462	-	6,603 <i>100.0</i>
OUTER ROAD <i>ROW %</i>	2,156	93.6	148	6.4	222	-	2,526 <i>100.0</i>
COUNTY ROAD <i>ROW %</i>	18,054	86.6	2,781	13.4	2,400	-	23,235 <i>100.0</i>
CITY STREET <i>ROW %</i>	94,863	92.7	7,486	7.3	31,251	-	133,600 <i>100.0</i>
INTERSTATE LOOP <i>ROW %</i>	1,599	94.2	99	5.8	140	-	1,838 <i>100.0</i>
OTHER ¹ <i>ROW %</i>	8,389	91.7	763	8.3	2,479	-	11,631 <i>100.0</i>
TOTAL <i>ROW %</i>	239,040	91.5	22,153	8.5	50,398	-	311,591 <i>100.0</i>

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

TABLE 3.13.4

2002 MISSOURI TRAFFIC CRASHES

DRIVERS OF AUTOMOBILES, TRUCKS, VANS, AND MOTOR HOMES

MONTH OF YEAR BY SEAT BELT USAGE

	WEARING		NOT WEARING		UNKNOWN		TOTAL	
JANUARY	18,920		1,991		3,902		24,813	
<i>ROW %</i>		<i>90.5</i>		<i>9.5</i>		<i>-</i>		<i>100.0</i>
FEBRUARY	16,442		1,620		3,472		21,534	
<i>ROW %</i>		<i>91.0</i>		<i>9.0</i>		<i>-</i>		<i>100.0</i>
MARCH	19,185		1,752		4,091		25,028	
<i>ROW %</i>		<i>91.6</i>		<i>8.4</i>		<i>-</i>		<i>100.0</i>
APRIL	20,240		1,819		4,441		26,500	
<i>ROW %</i>		<i>91.8</i>		<i>8.2</i>		<i>-</i>		<i>100.0</i>
MAY	22,352		2,026		4,944		29,322	
<i>ROW %</i>		<i>91.7</i>		<i>8.3</i>		<i>-</i>		<i>100.0</i>
JUNE	19,774		1,897		4,124		25,795	
<i>ROW %</i>		<i>91.3</i>		<i>8.7</i>		<i>-</i>		<i>100.0</i>
JULY	19,644		1,869		3,996		25,509	
<i>ROW %</i>		<i>91.3</i>		<i>8.7</i>		<i>-</i>		<i>100.0</i>
AUGUST	20,339		1,865		4,351		26,555	
<i>ROW %</i>		<i>91.6</i>		<i>8.4</i>		<i>-</i>		<i>100.0</i>
SEPTEMBER	19,543		1,855		4,304		25,702	
<i>ROW %</i>		<i>91.3</i>		<i>8.7</i>		<i>-</i>		<i>100.0</i>
OCTOBER	22,192		1,976		4,698		28,866	
<i>ROW %</i>		<i>91.8</i>		<i>8.2</i>		<i>-</i>		<i>100.0</i>
NOVEMBER	18,965		1,641		3,818		24,424	
<i>ROW %</i>		<i>92.0</i>		<i>8.0</i>		<i>-</i>		<i>100.0</i>
DECEMBER	21,444		1,842		4,257		27,543	
<i>ROW %</i>		<i>92.1</i>		<i>7.9</i>		<i>-</i>		<i>100.0</i>
TOTAL	239,040		22,153		50,398		311,591	
<i>ROW %</i>		<i>91.5</i>		<i>8.5</i>		<i>-</i>		<i>100.0</i>

TABLE 3.13.5

2002 MISSOURI TRAFFIC CRASHES
DRIVERS OF AUTOMOBILES, TRUCKS, VANS, AND MOTOR HOMES
DAY OF WEEK BY SEAT BELT USAGE

	WEARING		NOT WEARING		UNKNOWN	TOTAL	
SUNDAY	20,328		2,459		5,386		28,173
<i>ROW %</i>	<i>89.2</i>		<i>10.8</i>		-		<i>100.0</i>
MONDAY	33,775		2,894		6,757		43,426
<i>ROW %</i>	<i>92.1</i>		<i>7.9</i>		-		<i>100.0</i>
TUESDAY	37,013		3,113		7,559		47,685
<i>ROW %</i>	<i>92.2</i>		<i>7.8</i>		-		<i>100.0</i>
WEDNESDAY	37,692		3,223		7,348		48,263
<i>ROW %</i>	<i>92.1</i>		<i>7.9</i>		-		<i>100.0</i>
THURSDAY	35,718		3,181		7,177		46,076
<i>ROW %</i>	<i>91.8</i>		<i>8.2</i>		-		<i>100.0</i>
FRIDAY	44,100		3,962		8,932		56,994
<i>ROW %</i>	<i>91.8</i>		<i>8.2</i>		-		<i>100.0</i>
SATURDAY	30,381		3,319		7,211		40,911
<i>ROW %</i>	<i>90.1</i>		<i>9.9</i>		-		<i>100.0</i>
UNKNOWN	33		2		28		63
<i>ROW %</i>	<i>94.3</i>		<i>5.7</i>		-		<i>100.0</i>
TOTAL	239,040		22,153		50,398		311,591
<i>ROW %</i>	<i>91.5</i>		<i>8.5</i>		-		<i>100.0</i>

TABLE 3.13.6

2002 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>	6,501	81.5	1,481	18.5	3,169	-	11,151 <i>100.0</i>
03:00A - 05:59A <i>ROW %</i>	4,025	83.7	784	16.3	1,499	-	6,308 <i>100.0</i>
06:00A - 08:59A <i>ROW %</i>	30,287	92.7	2,376	7.3	5,459	-	38,122 <i>100.0</i>
09:00A - 11:59A <i>ROW %</i>	33,983	92.5	2,771	7.5	6,401	-	43,155 <i>100.0</i>
NOON - 02:59P <i>ROW %</i>	49,996	92.6	3,995	7.4	9,099	-	63,090 <i>100.0</i>
03:00P - 05:59P <i>ROW %</i>	68,153	92.6	5,486	7.4	12,768	-	86,407 <i>100.0</i>
06:00P - 08:59P <i>ROW %</i>	29,863	91.2	2,871	8.8	6,588	-	39,322 <i>100.0</i>
09:00P - MIDNGT <i>ROW %</i>	15,618	87.1	2,310	12.9	4,698	-	22,626 <i>100.0</i>
UNKNOWN <i>ROW %</i>	614	88.6	79	11.4	717	-	1,410 <i>100.0</i>
TOTAL <i>ROW %</i>	239,040	91.5	22,153	8.5	50,398	-	311,591 <i>100.0</i>

TABLE 3.13.7

2002 MISSOURI TRAFFIC CRASHES

DRIVERS OF AUTOMOBILES, TRUCKS, VANS, AND MOTOR HOMES

SEX OF DRIVER BY SEAT BELT USAGE

	WEARING		NOT WEARING		UNKNOWN		TOTAL	
MALE	128,884		14,855		21,259		164,998	
<i>ROW %</i>		<i>89.7</i>		<i>10.3</i>		-		<i>100.0</i>
FEMALE	103,391		7,014		12,900		123,305	
<i>ROW %</i>		<i>93.7</i>		<i>6.3</i>		-		<i>100.0</i>
UNKNOWN	6,765		284		16,239		23,288	
<i>ROW %</i>		<i>96.0</i>		<i>4.0</i>		-		<i>100.0</i>
TOTAL	239,040		22,153		50,398		311,591	
<i>ROW %</i>		<i>91.5</i>		<i>8.5</i>		-		<i>100.0</i>

TABLE 3.13.8

2002 MISSOURI TRAFFIC CRASHES

DRIVERS OF AUTOMOBILES, TRUCKS, VANS, AND MOTOR HOMES

DRIVER EJECTION BY SEAT BELT USAGE

	WEARING		NOT WEARING		UNKNOWN		TOTAL	
TOTAL EJECTION	229		845		237		1,311	
<i>ROW %</i>		<i>21.3</i>		<i>78.7</i>		-		<i>100.0</i>
PARTIAL EJECTION	333		243		97		673	
<i>ROW %</i>		<i>57.8</i>		<i>42.2</i>		-		<i>100.0</i>
NO EJECTION	229,334		20,593		31,758		281,685	
<i>ROW %</i>		<i>91.8</i>		<i>8.2</i>		-		<i>100.0</i>
UNKNOWN	9,144		472		18,306		27,922	
<i>ROW %</i>		<i>95.1</i>		<i>4.9</i>		-		<i>100.0</i>
TOTAL	239,040		22,153		50,398		311,591	
<i>ROW %</i>		<i>91.5</i>		<i>8.5</i>		-		<i>100.0</i>

TABLE 3.13.9

2002 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	37.6	-	33.4	-	36.6	-	37.2	-
14 YEARS AND UNDER	61		64		39		164	
<i>ROW %</i>		48.8		51.2		-		100.0
15 - 20 YEARS	44,042		5,756		5,081		54,879	
<i>ROW %</i>		88.4		11.6		-		100.0
21 - 25 YEARS	30,673		3,779		4,587		39,039	
<i>ROW %</i>		89.0		11.0		-		100.0
26 - 30 YEARS	23,665		2,360		3,305		29,330	
<i>ROW %</i>		90.9		9.1		-		100.0
31 - 35 YEARS	22,682		1,959		3,130		27,771	
<i>ROW %</i>		92.0		8.0		-		100.0
36 - 40 YEARS	23,299		1,816		2,940		28,055	
<i>ROW %</i>		92.8		7.2		-		100.0
41 - 45 YEARS	22,417		1,550		2,831		26,798	
<i>ROW %</i>		93.5		6.5		-		100.0
46 - 50 YEARS	18,796		1,234		2,296		22,326	
<i>ROW %</i>		93.8		6.2		-		100.0
51 - 55 YEARS	15,178		1,001		1,715		17,894	
<i>ROW %</i>		93.8		6.2		-		100.0
56 - 60 YEARS	10,754		656		1,140		12,550	
<i>ROW %</i>		94.2		5.8		-		100.0
61 - 65 YEARS	7,555		452		793		8,800	
<i>ROW %</i>		94.3		5.7		-		100.0
66 YEARS AND OVER	18,578		1,289		2,047		21,914	
<i>ROW %</i>		93.5		6.5		-		100.0
UNKNOWN	1,340		237		20,494		22,071	
<i>ROW %</i>		85.0		15.0		-		100.0
TOTAL	239,040		22,153		50,398		311,591	
<i>ROW %</i>		91.5		8.5		-		100.0

TABLE 3.13.10

2002 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	1,156		155		208		1,519
<i>ROW %</i>		88.2		11.8		-	100.0
OPERATOR'S LICENSE	188,019		16,788		23,832		228,639
<i>ROW %</i>		91.8		8.2		-	100.0
MOTORCYCLE ONLY	2		2		2		6
<i>ROW %</i>		50.0		50.0		-	100.0
COMMERCIAL DRIVER'S LICENSE	12,365		1,455		1,528		15,348
<i>ROW %</i>		89.5		10.5		-	100.0
SUBTOTAL	201,542		18,400		25,570		245,512
<i>ROW %</i>		91.6		8.4		-	100.0
OUT STATE							
LEARNER'S PERMIT	49		2		5		56
<i>ROW %</i>		96.1		3.9		-	100.0
OPERATOR'S LICENSE	20,582		1,173		3,064		24,819
<i>ROW %</i>		94.6		5.4		-	100.0
MOTORCYCLE ONLY	1		0		0		1
<i>ROW %</i>		100.0		0.0		-	100.0
COMMERCIAL DRIVER'S LICENSE	4,281		216		495		4,992
<i>ROW %</i>		95.2		4.8		-	100.0
SUBTOTAL	24,913		1,391		3,564		29,868
<i>ROW %</i>		94.7		5.3		-	100.0
UNLICENSED	3,349		1,574		1,424		6,347
<i>ROW %</i>		68.0		32.0		-	100.0
UNKNOWN	9,236		788		19,840		29,864
<i>ROW %</i>		92.1		7.9		-	100.0
TOTAL	239,040		22,153		50,398		311,591
<i>ROW %</i>		91.5		8.5		-	100.0

TABLE 3.13.11

2002 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>	143,073	92.5	11,546	7.5	31,074	-	185,693	100.0
SPORT UTILITY VEHICLE <i>ROW %</i>	26,878	93.8	1,772	6.2	4,674	-	33,324	100.0
LIMOUSINE <i>ROW %</i>	58	93.6	4	6.4	13	-	75	100.0
VAN <i>ROW %</i>	18,414	94.3	1,109	6.7	3,558	-	23,081	100.0
MOTOR HOME / CAMPER <i>ROW %</i>	158	92.4	13	7.6	36	-	207	100.0
TRUCK <i>ROW %</i>	50,459	86.8	7,709	13.2	11,043	-	69,211	100.0
TOTAL <i>ROW %</i>	239,040	91.5	22,153	8.5	50,398	-	311,591	100.0

TABLE 3.13.12

2002 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>	3,227	56.4	2,492	43.6	2,118	-	7,837	100.0
DRUGS <i>ROW %</i>	207	59.5	141	40.5	129	-	477	100.0
DRINKING AND DRUGS <i>ROW %</i>	125	51.6	117	48.4	125	-	367	100.0
NO DRINKING / DRUGS <i>ROW %</i>	232,740	92.4	19,204	7.6	45,379	-	297,323	100.0
UNKNOWN <i>ROW %</i>	2,741	93.2	199	6.8	2,647	-	5,587	100.0
TOTAL <i>ROW %</i>	239,040	91.5	22,153	8.5	50,398	-	311,591	100.0

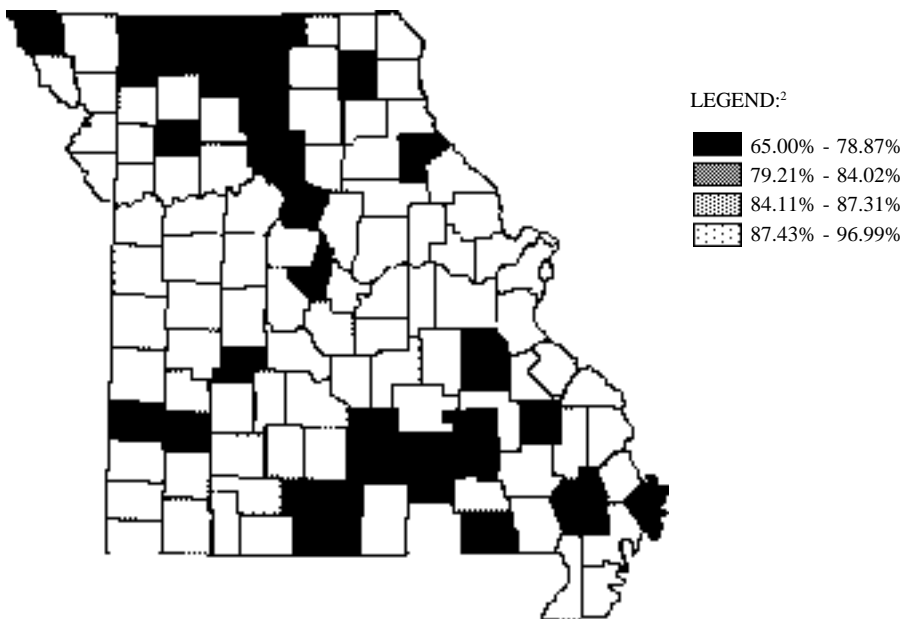
TABLE 3.13.13

2002 MISSOURI TRAFFIC CRASHES

DRIVERS OF AUTOMOBILES, TRUCKS, VANS, AND MOTOR HOMES

SEAT BELT USAGE RATES¹

COUNTY QUARTILE ANALYSIS



¹ LEGEND CATEGORIES ARE BASED ON QUARTILES OF COUNTIES.

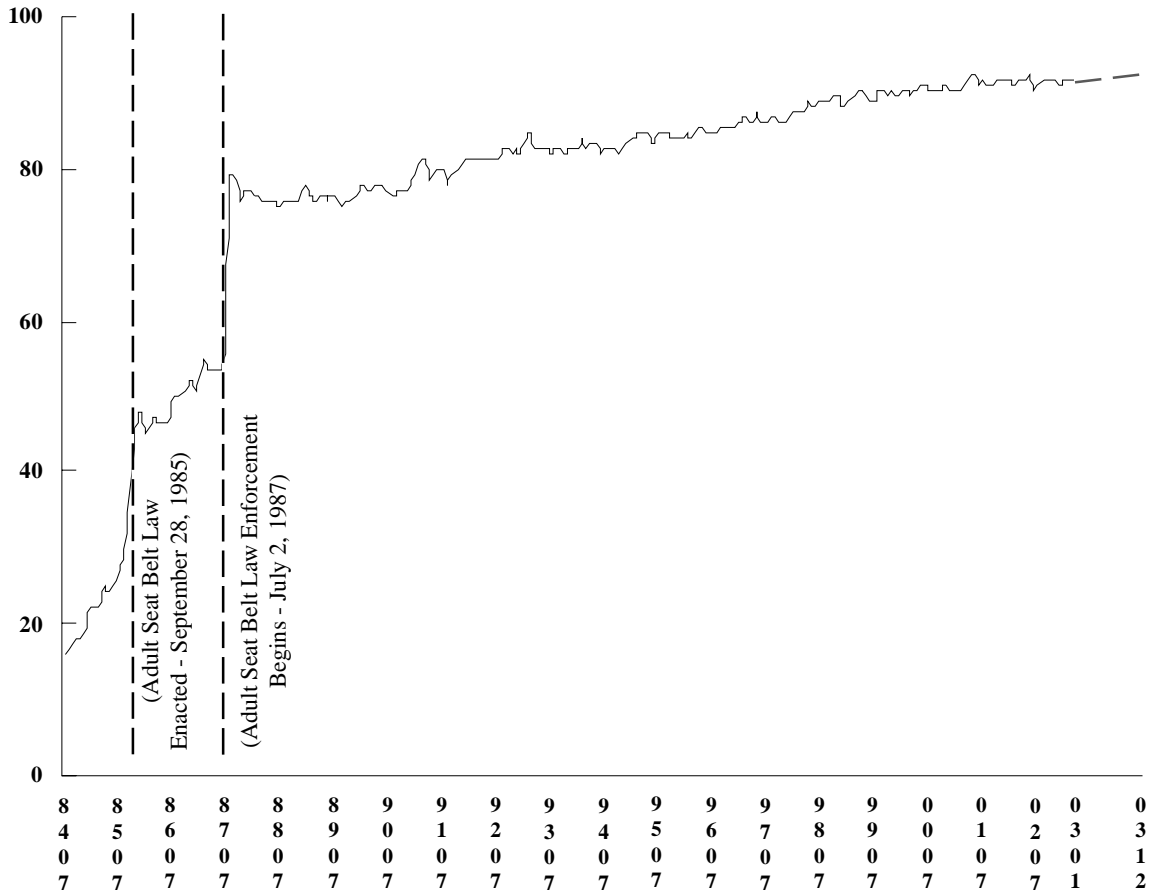
RANK	COUNTY	DRIVER USAGE RATE	RANK	COUNTY	DRIVER USAGE RATE
1.0	GENTRY	65.00	22.0	CALDWELL	77.78
2.0	WORTH	65.63	23.0	KNOX	78.16
3.0	MERCER	66.35	24.0	STODDARD	78.22
4.0	DADE	69.62	25.0	MISSISSIPPI	78.31
5.0	REYNOLDS	70.00	26.0	WASHINGTON	78.76
6.0	HOWARD	71.72	27.0	MONITEAU	78.78
7.0	HICKORY	73.18	28.0	SULLIVAN	78.87
8.0	MADISON	74.57			First Quartile
9.0	CHARITON	74.77			-----
10.0	PUTNAM	75.00			Second Quartile
11.0	ATCHISON	75.26	29.0	PIKE	79.21
12.0	BARTON	75.31	30.0	SCHUYLER	79.76
13.0	DOUGLAS	75.44	31.0	CARROLL	79.82
14.0	RIPLEY	75.60	32.0	WAYNE	79.95
15.0	LINN	76.31	33.0	WRIGHT	79.96
16.0	SHANNON	76.43	34.0	CEDAR	80.00
17.0	TEXAS	76.65	35.0	BARRY	80.21
18.0	HARRISON	76.77	36.0	BOLLINGER	80.28
19.0	OZARK	77.33	37.0	SCOTLAND	80.70
20.0	RALLS	77.47	38.0	SHELBY	80.77
21.0	GRUNDY	77.59	39.0	WEBSTER	80.83

RANK	COUNTY	DRIVER USAGE RATE	RANK	COUNTY	DRIVER USAGE RATE
40.0	BATES	81.08	78.0	AUDRAIN	86.44
41.0	MACON	81.63	79.0	LINCOLN	86.59
42.0	LEWIS	81.72	80.0	MONROE	86.61
43.0	ST. CLAIR	81.85	81.0	MONTGOMERY	86.63
44.0	CARTER	82.07	82.0	SALINE	86.70
45.0	OSAGE	82.09	83.0	STONE	86.76
46.0	MORGAN	82.22	84.0	NEWTON	86.87
47.0	DAVISS	82.61	85.0	CALLAWAY	87.10
48.0	NODAWAY	82.65	86.0	ANDREW	87.31
49.0	CRAWFORD	83.22			Third Quartile
50.0	CLARK	83.25			
51.0	HOLT	83.42			
52.0	NEW MADRID	83.46			Fourth Quartile
53.0	VERNON	83.61	87.0	LACLEDE	87.43
54.0	CLINTON	83.62	88.0	PETTIS	87.75
55.0	DENT	83.85	89.0	BUTLER	88.01
56.0	POLK	84.00	90.0	LAFAYETTE	88.11
57.0	DALLAS	84.02	91.0	CAMDEN	88.21
		Second Quartile	92.0	ADAIR	88.24
			93.0	WARREN	88.90
		Third Quartile	94.0	JOHNSON	89.54
58.0	PEMISCOT	84.11	95.0	FRANKLIN	89.64
59.0	LIVINGSTON	84.14	96.0	MARION	89.67
60.0	MARIES	84.19	97.0	CHRISTIAN	89.69
61.0	PERRY	84.28	98.0	CASS	89.84
62.0	HENRY	84.48	99.0	SCOTT	90.26
63.0	MC DONALD	84.54	100.0	TANEY	90.79
64.5	GASCONADE	84.64	101.0	JEFFERSON	90.91
64.5	OREGON	84.64	102.0	COLE	91.02
66.0	RAY	84.96	103.0	PHELPS	91.37
67.0	LAWRENCE	84.98	104.0	BUCHANAN	91.59
68.0	RANDOLPH	85.02	105.0	JASPER	91.72
69.0	IRON	85.09	106.0	JACKSON	91.75
70.0	BENTON	85.19	107.0	GREENE	92.09
71.0	STE. GENEVIEVE	85.20	108.0	PULASKI	92.22
72.0	ST. FRANCOIS	85.24	109.0	CLAY	92.70
73.0	COOPER	85.51	110.0	CAPE GIRARDEAU	92.95
74.0	DUNKLIN	85.56	111.0	PLATTE	93.02
75.0	MILLER	85.57	112.0	BOONE	94.03
76.0	HOWELL	85.78	113.0	ST. CHARLES	94.72
77.0	DE KALB	85.91	114.0	ST. LOUIS	96.45
			115.0	ST. LOUIS CITY	96.99

¹ This table contains a ranking of Missouri counties by the driver seat belt usage rates associated with 2002 traffic crashes. Drivers whose seat belt usage was unknown have been excluded. Counties have been ranked based upon the worst driver usage rates. (Gentry County is first due to its having the lowest usage rate of all counties in the State. Only 65.00% of the drivers involved in crashes in Gentry 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 1984-2001 AVERAGE AND 2002¹

	1981 - 1983 AVERAGE²	1984 - 2001 AVERAGE²	% OF CHANGE 1981 - 1983 AVERAGE	2002	% OF CHANGE 1981 - 1983 AVERAGE
KILLED	11	11	= 0.0	5	- 54.5
MAJOR DISABLING	71	87	+ 22.5	59	- 16.9
EVIDENT	626	517	- 17.4	299	- 52.2
PROBABLE	464	568	+ 22.4	423	- 8.8
TOTAL	1,171	1,182	+ 0.9	786	- 32.9

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 2002 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 2002 TRAFFIC CRASHES OCCURRING IN A GIVEN COMMUNITY ARE DISPLAYED REGARDLESS OF THE LAW ENFORCEMENT AGENCY THAT INVESTIGATED THE TRAFFIC CRASH.

**2002 MISSOURI TRAFFIC CRASHES
COUNTY AND CITY SUMMARY¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UND 21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/ OTH WK ZONE INV
ADAIR CO	FATAL	3	0	2	1	2	1	0	0	0	0	1	0	0
	INJURY	175	29	20	77	44	14	3	3	5	7	42	1	0
	DAMAGE	291	31	7	97	74	11	0	6	1	0	40	0	0
	TOTAL	469	60	29	175	120	26	3	9	6	7	83	1	0
KIRKSVILLE	FATAL	2	0	1	0	2	1	0	0	0	0	0	0	0
	INJURY	101	9	8	44	31	6	1	2	4	5	11	0	0
	DAMAGE	221	20	7	84	57	6	0	5	1	0	17	0	0
	TOTAL	324	29	16	128	90	13	1	7	5	5	28	0	0
POP UNDER 1000	FATAL	1	0	1	1	0	0	0	0	0	0	1	0	0
	INJURY	74	20	12	33	13	8	2	1	1	2	31	1	0
	DAMAGE	70	11	0	13	17	5	0	1	0	0	23	0	0
	TOTAL	145	31	13	47	30	13	2	2	1	2	55	1	0
ANDREW CO	FATAL	3	1	1	1	0	0	0	0	0	0	3	0	0
	INJURY	97	29	11	45	28	10	1	2	2	1	36	0	0
	DAMAGE	184	42	5	43	44	8	0	0	0	0	58	1	5
	TOTAL	284	72	17	89	72	18	1	2	2	1	97	1	5
COUNTRY CLUB VILLAGE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	3	1	0	1	0	0	0	0	0	0	1	0	0
	TOTAL	3	1	0	1	0	0	0	0	0	0	1	0	0
SAVANNAH	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	6	1	0	5	2	1	0	0	1	0	0	0	0
	DAMAGE	29	3	0	13	12	1	0	0	0	0	4	0	0
	TOTAL	35	4	0	18	14	2	0	0	1	0	4	0	0
POP UNDER 1000	FATAL	3	1	1	1	0	0	0	0	0	0	3	0	0
	INJURY	91	28	11	40	26	9	1	2	1	1	36	0	0
	DAMAGE	152	38	5	29	32	7	0	0	0	0	53	1	5
	TOTAL	246	67	17	70	58	16	1	2	1	1	92	1	5
ATCHISON CO	FATAL	3	2	1	1	1	0	0	0	0	0	2	0	0
	INJURY	33	8	6	6	7	1	1	0	0	0	15	0	0
	DAMAGE	61	20	3	15	10	9	0	0	0	0	25	0	0
	TOTAL	97	30	10	22	18	10	1	0	0	0	42	0	0
ROCKPORT	FATAL	1	0	1	1	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	2	1	0	0	1	1	0	0	0	0	0	0	0
	TOTAL	3	1	1	1	1	1	0	0	0	0	0	0	0
TARKIO	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	4	0	0	2	1	0	0	0	0	0	0	0	0
	DAMAGE	15	1	0	6	3	1	0	0	0	0	1	0	0
	TOTAL	19	1	0	8	4	1	0	0	0	0	1	0	0
POP UNDER 1000	FATAL	2	2	0	0	1	0	0	0	0	0	2	0	0
	INJURY	29	8	6	4	6	1	1	0	0	0	15	0	0
	DAMAGE	44	18	3	9	6	7	0	0	0	0	24	0	0
	TOTAL	75	28	9	13	13	8	1	0	0	0	41	0	0
AUDRAIN CO	FATAL	6	2	0	1	4	2	0	0	0	0	2	0	0
	INJURY	159	37	20	55	34	12	4	0	2	10	56	0	0
	DAMAGE	414	60	16	123	119	8	0	2	0	0	83	0	0
	TOTAL	579	99	36	179	157	22	4	2	2	10	141	0	0
MEXICO	FATAL	1	0	0	0	1	0	0	0	0	0	1	0	0
	INJURY	67	5	7	25	17	4	2	0	2	9	7	0	0
	DAMAGE	234	22	7	80	76	3	0	1	0	0	30	0	0
	TOTAL	302	27	14	105	94	7	2	1	2	9	38	0	0
VANDALIA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	2	0	0	1	0	0	0	0	0	0	0	0	0
	DAMAGE	31	2	0	14	15	0	0	1	0	0	3	0	0
	TOTAL	33	2	0	15	15	0	0	1	0	0	3	0	0
POP UNDER 1000	FATAL	5	2	0	1	3	2	0	0	0	0	1	0	0
	INJURY	90	32	13	29	17	8	2	0	0	1	49	0	0
	DAMAGE	149	36	9	29	28	5	0	0	0	0	50	0	0
	TOTAL	244	70	22	59	48	15	2	0	0	1	100	0	0
BARRY CO	FATAL	8	5	4	1	1	2	0	0	0	0	2	0	0
	INJURY	285	97	48	90	73	25	14	0	3	5	103	0	0
	DAMAGE	553	119	43	172	124	15	2	3	0	0	133	1	1
	TOTAL	846	221	95	263	198	42	16	3	3	5	238	1	1

TABLE 4.0.1

**2002 MISSOURI TRAFFIC CRASHES
COUNTY AND CITY SUMMARY¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UND 21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/ OTH WK ZONE INV
CASSVILLE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	24	3	3	10	11	4	0	0	1	0	2	0	0
	DAMAGE	79	4	2	33	26	0	0	0	0	0	5	0	0
	TOTAL	103	7	5	43	37	4	0	0	1	0	7	0	0
MONETT / BAR	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	44	8	5	15	14	3	3	0	2	1	10	0	0
	DAMAGE	145	14	11	52	36	2	1	1	0	0	16	1	0
	TOTAL	189	22	16	67	50	5	4	1	2	1	26	1	0
PURDY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	2	0	0	0	1	1	0	0	0	0	0	0	0
	DAMAGE	8	2	0	4	2	0	0	0	0	0	1	0	0
	TOTAL	10	2	0	4	3	1	0	0	0	0	1	0	0
POP UNDER 1000	FATAL	8	5	4	1	1	2	0	0	0	0	2	0	0
	INJURY	215	86	40	65	47	17	11	0	0	4	91	0	0
	DAMAGE	321	99	30	83	60	13	1	2	0	0	111	0	1
	TOTAL	544	190	74	149	108	32	12	2	0	4	204	0	1
BARTON CO	FATAL	5	1	1	2	2	2	0	0	1	0	0	0	0
	INJURY	77	16	6	31	19	9	4	0	3	0	25	0	0
	DAMAGE	206	30	6	47	53	13	0	1	1	0	46	0	2
	TOTAL	288	47	13	80	74	24	4	1	5	0	71	0	2
LAMAR	FATAL	1	0	1	1	0	0	0	0	1	0	0	0	0
	INJURY	18	1	1	8	5	1	2	0	3	0	1	0	0
	DAMAGE	80	7	1	23	26	0	0	0	1	0	10	0	2
	TOTAL	99	8	3	32	31	1	2	0	5	0	11	0	2
POP UNDER 1000	FATAL	4	1	0	1	2	2	0	0	0	0	0	0	0
	INJURY	59	15	5	23	14	8	2	0	0	0	24	0	0
	DAMAGE	126	23	5	24	27	13	0	1	0	0	36	0	0
	TOTAL	189	39	10	48	43	23	2	1	0	0	60	0	0
BATES CO	FATAL	5	0	2	1	0	1	0	0	0	0	2	0	0
	INJURY	79	30	9	18	17	15	7	0	3	0	46	0	2
	DAMAGE	254	57	13	50	63	19	1	2	0	0	87	1	5
	TOTAL	338	87	24	69	80	35	8	2	3	0	135	1	7
ADRIAN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	0	0	1	0	0	0	0	0	0	0	0	0
	DAMAGE	8	0	0	1	3	0	1	1	0	0	0	0	0
	TOTAL	9	0	0	2	3	0	1	1	0	0	0	0	0
BUTLER	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	6	0	0	2	2	0	0	0	2	0	1	0	0
	DAMAGE	50	7	2	13	19	1	0	1	0	0	8	0	2
	TOTAL	56	7	2	15	21	1	0	1	2	0	9	0	2
DREXEL / BUC	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	1	1	0	0	0	0	0	0	0	0	1	0	0
	TOTAL	1	1	0	0	0	0	0	0	0	0	1	0	0
RICH HILL	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	4	1	1	1	0	0	0	0	1	0	0	0	0
	DAMAGE	12	0	0	4	3	0	0	0	0	0	2	0	1
	TOTAL	16	1	1	5	3	0	0	0	1	0	2	0	1
POP UNDER 1000	FATAL	5	0	2	1	0	1	0	0	0	0	2	0	0
	INJURY	68	29	8	14	15	15	7	0	0	0	45	0	2
	DAMAGE	183	49	11	32	38	18	0	0	0	0	76	1	2
	TOTAL	256	78	21	47	53	34	7	0	0	0	123	1	4
BENTON CO	FATAL	4	0	0	1	1	2	0	0	0	0	2	0	0
	INJURY	181	73	32	50	49	9	16	0	1	2	90	0	2
	DAMAGE	332	98	18	85	91	3	4	0	1	0	111	1	1
	TOTAL	517	171	50	136	141	14	20	0	2	2	203	1	3
COLE CAMP	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	0	0	0	1	0	0	0	0	0	0	0	0
	DAMAGE	3	0	0	1	1	0	0	0	0	0	0	0	0
	TOTAL	4	0	0	1	2	0	0	0	0	0	0	0	0
LINCOLN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	5	0	0	0	3	1	0	0	0	1	0	0	0
	DAMAGE	16	6	0	6	7	0	0	0	0	0	2	0	0
	TOTAL	21	6	0	6	10	1	0	0	0	1	2	0	0

TABLE 4.0.1

**2002 MISSOURI TRAFFIC CRASHES
COUNTY AND CITY SUMMARY¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UND 21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/ OTH WK ZONE INV
WARSAW	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	13	1	1	2	3	0	1	0	1	1	2	0	0
	DAMAGE	46	0	0	16	17	0	0	0	1	0	5	0	0
	TOTAL	59	1	1	18	20	0	1	0	2	1	7	0	0
POP UNDER 1000	FATAL	4	0	0	1	1	2	0	0	0	0	2	0	0
	INJURY	162	72	31	48	42	8	15	0	0	0	88	0	2
	DAMAGE	267	92	18	62	66	3	4	0	0	0	104	1	1
	TOTAL	433	164	49	111	109	13	19	0	0	0	194	1	3
BOLLINGER CO	FATAL	4	2	2	0	0	0	1	0	0	0	2	0	0
	INJURY	72	23	9	25	15	5	3	0	0	2	40	0	2
	DAMAGE	138	33	15	47	36	3	0	1	0	0	48	1	0
	TOTAL	214	58	26	72	51	8	4	1	0	2	90	1	2
MARBLE HILL	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	6	2	1	2	0	0	0	0	0	1	1	0	2
	DAMAGE	44	5	0	22	11	0	0	0	0	0	4	0	0
	TOTAL	50	7	1	24	11	0	0	0	0	1	5	0	2
POP UNDER 1000	FATAL	4	2	2	0	0	0	1	0	0	0	2	0	0
	INJURY	66	21	8	23	15	5	3	0	0	1	39	0	0
	DAMAGE	94	28	15	25	25	3	0	1	0	0	44	1	0
	TOTAL	164	51	25	48	40	8	4	1	0	1	85	1	0
BOONE CO	FATAL	21	9	6	9	5	4	3	1	0	2	4	0	0
	INJURY	973	196	107	301	206	68	39	8	27	40	196	0	6
	DAMAGE	2992	328	125	997	559	62	6	18	8	1	327	2	37
	TOTAL	3986	533	238	1307	770	134	48	27	35	43	527	2	43
ASHLAND	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	8	3	0	2	1	3	0	0	0	1	0	0	0
	DAMAGE	34	4	0	12	10	0	0	0	0	0	6	0	1
	TOTAL	42	7	0	14	11	3	0	0	0	1	6	0	1
CENTRALIA	FATAL	1	1	0	1	0	0	0	0	0	0	0	0	0
	INJURY	15	1	0	5	4	1	1	0	0	1	2	0	0
	DAMAGE	52	8	1	23	11	0	0	0	0	0	10	0	0
	TOTAL	68	10	1	29	15	1	1	0	0	1	12	0	0
COLUMBIA	FATAL	8	3	2	2	3	2	2	1	0	2	0	0	0
	INJURY	664	105	53	224	151	30	23	6	25	33	90	0	4
	DAMAGE	2364	188	95	848	452	22	6	14	8	1	149	1	29
	TOTAL	3036	296	150	1074	606	54	31	21	33	36	239	1	33
POP UNDER 1000	FATAL	12	5	4	6	2	2	1	0	0	0	4	0	0
	INJURY	286	87	54	70	50	34	15	2	2	5	104	0	2
	DAMAGE	542	128	29	114	86	40	0	4	0	0	162	1	7
	TOTAL	840	220	87	190	138	76	16	6	2	5	270	1	9
BUCHANAN CO	FATAL	9	5	1	2	1	2	2	0	0	0	4	0	0
	INJURY	827	142	76	306	228	41	25	0	23	23	129	1	18
	DAMAGE	2177	240	88	690	562	41	11	15	1	2	278	3	40
	TOTAL	3013	387	165	998	791	84	38	15	24	25	411	4	58
ST. JOSEPH	FATAL	2	1	0	0	0	0	1	0	0	0	1	0	0
	INJURY	721	105	58	274	209	33	22	0	23	23	83	1	17
	DAMAGE	1980	191	77	636	509	32	11	13	1	2	217	1	34
	TOTAL	2703	297	135	910	718	65	34	13	24	25	301	2	51
POP UNDER 1000	FATAL	7	4	1	2	1	2	1	0	0	0	3	0	0
	INJURY	106	37	18	32	19	8	3	0	0	0	46	0	1
	DAMAGE	197	49	11	54	53	9	0	2	0	0	61	2	6
	TOTAL	310	90	30	88	73	19	4	2	0	0	110	2	7
BUTLER CO	FATAL	11	4	4	5	3	1	0	0	1	3	3	0	0
	INJURY	402	76	38	134	102	14	6	2	7	7	104	0	3
	DAMAGE	1106	112	40	335	360	17	2	7	2	0	152	0	9
	TOTAL	1519	192	82	474	465	32	8	9	10	10	259	0	12
POPLAR BLUFF	FATAL	2	1	0	2	0	0	0	0	0	1	1	0	0
	INJURY	204	26	5	72	54	4	3	1	7	5	21	0	2
	DAMAGE	739	48	7	238	258	7	0	5	2	0	52	0	4
	TOTAL	945	75	12	312	312	11	3	6	9	6	74	0	6
POP UNDER 1000	FATAL	9	3	4	3	3	1	0	0	1	2	2	0	0
	INJURY	198	50	33	62	48	10	3	1	0	2	83	0	1
	DAMAGE	367	64	33	97	102	10	2	2	0	0	100	0	5
	TOTAL	574	117	70	162	153	21	5	3	1	4	185	0	6

TABLE 4.0.1

**2002 MISSOURI TRAFFIC CRASHES
COUNTY AND CITY SUMMARY¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UND 21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/OTH WK ZONE INV
CALDWELL CO	FATAL	3	1	1	0	1	0	0	0	0	0	1	0	0
	INJURY	74	28	7	26	10	5	0	0	1	0	39	0	0
	DAMAGE	78	14	3	26	21	6	0	2	0	0	16	0	1
	TOTAL	155	43	11	52	32	11	0	2	1	0	56	0	1
HAMILTON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	4	1	1	2	0	0	0	0	1	0	0	0	0
	DAMAGE	16	2	1	5	6	0	0	0	0	0	1	0	0
	TOTAL	20	3	2	7	6	0	0	0	1	0	1	0	0
POP UNDER 1000	FATAL	3	1	1	0	1	0	0	0	0	0	1	0	0
	INJURY	70	27	6	24	10	5	0	0	0	0	39	0	0
	DAMAGE	62	12	2	21	15	6	0	2	0	0	15	0	1
	TOTAL	135	40	9	45	26	11	0	2	0	0	55	0	1
CALLAWAY CO	FATAL	23	11	5	5	7	3	0	0	0	2	7	0	1
	INJURY	364	120	34	102	63	46	9	3	1	7	117	0	8
	DAMAGE	781	195	32	201	158	38	0	3	0	0	202	1	16
	TOTAL	1168	326	71	308	228	87	9	6	1	9	326	1	25
FULTON	FATAL	3	1	0	1	0	1	0	0	0	1	1	0	0
	INJURY	72	9	4	25	17	3	3	0	0	3	13	0	0
	DAMAGE	238	33	7	74	67	6	0	2	0	0	32	0	1
	TOTAL	313	43	11	100	84	10	3	2	0	4	46	0	1
HOLTS SUMMIT	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	8	3	0	3	0	0	0	0	1	1	1	0	0
	DAMAGE	30	7	2	9	8	0	0	0	0	0	13	0	0
	TOTAL	38	10	2	12	8	0	0	0	1	1	14	0	0
JEFFERSON CITY / CAL	FATAL	1	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	7	1	1	2	4	2	0	0	0	0	1	0	0
	DAMAGE	18	3	0	1	6	2	0	0	0	0	2	0	1
	TOTAL	26	4	1	3	10	4	0	0	0	0	3	0	1
POP UNDER 1000	FATAL	19	10	5	4	7	2	0	0	0	1	6	0	1
	INJURY	277	107	29	72	42	41	6	3	0	3	102	0	8
	DAMAGE	495	152	23	117	77	30	0	1	0	0	155	1	14
	TOTAL	791	269	57	193	126	73	6	4	0	4	263	1	23
CAMDEN CO	FATAL	12	7	3	4	1	1	1	0	0	1	5	0	0
	INJURY	322	92	48	111	93	22	21	2	0	5	102	0	2
	DAMAGE	833	116	36	251	281	35	4	4	0	0	154	0	15
	TOTAL	1167	215	87	366	375	58	26	6	0	6	261	0	17
CAMDENTON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	32	1	1	17	11	4	4	2	0	0	1	0	0
	DAMAGE	172	7	2	61	65	7	1	1	0	0	10	0	2
	TOTAL	204	8	3	78	76	11	5	3	0	0	11	0	2
FOUR SEASONS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	2	1	0	0	0	0	0	0	0	0	1	0	0
	DAMAGE	9	1	0	1	2	0	0	0	0	0	1	0	0
	TOTAL	11	2	0	1	2	0	0	0	0	0	2	0	0
LAKE OZARK / CAM	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	4	0	0	1	3	0	1	0	0	0	1	0	0
	DAMAGE	18	0	0	4	2	0	1	0	0	0	2	0	0
	TOTAL	22	0	0	5	5	0	2	0	0	0	3	0	0
OSAGE BEA / CAM	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	79	12	14	29	25	5	4	0	0	1	19	0	1
	DAMAGE	292	19	10	80	114	7	0	1	0	0	29	0	3
	TOTAL	371	31	24	109	139	12	4	1	0	1	48	0	4
RICHLAND / CAM	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	1	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL	1	0	0	0	0	0	0	0	0	0	0	0	0
POP UNDER 1000	FATAL	12	7	3	4	1	1	1	0	0	1	5	0	0
	INJURY	205	78	33	64	54	13	12	0	0	4	80	0	1
	DAMAGE	341	89	24	105	98	21	2	2	0	0	112	0	10
	TOTAL	558	174	60	173	153	35	15	2	0	5	197	0	11
CAPE GIRARDEAU CO	FATAL	18	4	2	3	11	4	1	0	0	1	4	0	0
	INJURY	521	111	42	179	146	31	7	2	6	5	128	1	10
	DAMAGE	2442	317	58	804	608	43	7	12	2	3	352	1	59
	TOTAL	2981	432	102	986	765	78	15	14	8	9	484	2	69

TABLE 4.0.1

**2002 MISSOURI TRAFFIC CRASHES
COUNTY AND CITY SUMMARY¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UND 21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/ OTH WK ZONE INV
CAPE GIRARDEAU	FATAL	7	2	1	1	5	2	1	0	0	1	2	0	0
	INJURY	274	35	22	96	85	18	6	0	6	3	31	1	9
	DAMAGE	1701	138	29	543	449	23	5	6	2	3	177	1	46
	TOTAL	1982	175	52	640	539	43	12	6	8	7	210	2	55
JACKSON	FATAL	2	0	0	1	2	0	0	0	0	0	0	0	0
	INJURY	78	12	3	35	25	1	0	0	0	2	11	0	0
	DAMAGE	387	55	10	158	101	5	1	4	0	0	38	0	7
	TOTAL	467	67	13	194	128	6	1	4	0	2	49	0	7
POP UNDER 1000	FATAL	9	2	1	1	4	2	0	0	0	0	2	0	0
	INJURY	169	64	17	48	36	12	1	2	0	0	86	0	1
	DAMAGE	354	124	19	103	58	15	1	2	0	0	137	0	6
	TOTAL	532	190	37	152	98	29	2	4	0	0	225	0	7
CARROLL CO	FATAL	1	1	0	1	0	1	0	0	0	0	1	0	0
	INJURY	55	17	8	17	16	0	2	0	2	1	27	0	0
	DAMAGE	119	28	9	29	37	6	0	3	0	0	31	0	2
	TOTAL	175	46	17	47	53	7	2	3	2	1	59	0	2
CARROLLTON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	12	2	1	6	5	0	0	0	1	0	1	0	0
	DAMAGE	43	5	0	11	14	0	0	0	0	0	4	0	0
	TOTAL	55	7	1	17	19	0	0	0	1	0	5	0	0
POP UNDER 1000	FATAL	1	1	0	1	0	1	0	0	0	0	1	0	0
	INJURY	43	15	7	11	11	0	2	0	1	1	26	0	0
	DAMAGE	76	23	9	18	23	6	0	3	0	0	27	0	2
	TOTAL	120	39	16	30	34	7	2	3	1	1	54	0	2
CARTER CO	FATAL	3	0	0	0	2	0	0	0	0	0	1	0	0
	INJURY	51	22	7	17	8	6	0	0	0	0	25	0	4
	DAMAGE	93	30	6	11	23	17	0	0	0	0	27	0	6
	TOTAL	147	52	13	28	33	23	0	0	0	0	53	0	10
POP UNDER 1000	FATAL	3	0	0	0	2	0	0	0	0	0	1	0	0
	INJURY	51	22	7	17	8	6	0	0	0	0	25	0	4
	DAMAGE	93	30	6	11	23	17	0	0	0	0	27	0	6
	TOTAL	147	52	13	28	33	23	0	0	0	0	53	0	10
CASS CO	FATAL	19	9	6	7	5	3	1	0	0	0	7	0	1
	INJURY	501	133	43	193	123	37	16	4	7	9	115	1	27
	DAMAGE	1432	207	31	448	374	34	2	6	1	0	232	0	128
	TOTAL	1952	349	80	648	502	74	19	10	8	9	354	1	156
BELTON	FATAL	1	1	0	1	0	0	0	0	0	0	1	0	0
	INJURY	128	22	7	51	34	7	7	2	1	1	14	0	3
	DAMAGE	429	39	11	135	113	3	1	2	0	0	45	0	28
	TOTAL	558	62	18	187	147	10	8	4	1	1	60	0	31
DREXEL / CAS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	2	0	0	0	2	2	0	0	0	0	0	0	0
	DAMAGE	9	0	0	2	2	0	0	0	0	0	0	0	0
	TOTAL	11	0	0	2	4	2	0	0	0	0	0	0	0
GARDEN CITY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	0	0	0	1	0	0	0	0	0	0	0	0
	DAMAGE	4	0	0	2	1	0	0	0	0	0	1	0	0
	TOTAL	5	0	0	2	2	0	0	0	0	0	1	0	0
HARRISONVILLE	FATAL	2	0	1	0	2	1	0	0	0	0	1	0	1
	INJURY	109	21	4	37	31	11	2	2	1	0	15	0	19
	DAMAGE	356	18	7	111	125	10	1	0	1	0	41	0	57
	TOTAL	467	39	12	148	158	22	3	2	2	0	57	0	77
KANSAS CITY / CAS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	3	0	0	0	1	0	0	0	0	0	1	0	0
	TOTAL	4	0	0	0	1	0	0	0	0	0	1	0	0
LEE'S SUMMIT / CAS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	1	1	0	1	0	0	0	0	0	0	1	0	0
	TOTAL	1	1	0	1	0	0	0	0	0	0	1	0	0
PECULIAR	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	12	4	3	4	0	1	0	0	0	0	5	0	0
	DAMAGE	54	12	2	23	11	1	0	0	0	0	8	0	0
	TOTAL	66	16	5	27	11	2	0	0	0	0	13	0	0

TABLE 4.0.1

**2002 MISSOURI TRAFFIC CRASHES
COUNTY AND CITY SUMMARY¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UND 21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/OTH WK ZONE INV
PLEASANT HILL	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	29	7	2	12	4	0	0	0	1	4	5	0	0
	DAMAGE	58	13	1	19	18	0	0	1	0	0	10	0	6
	TOTAL	87	20	3	31	22	0	0	1	1	4	15	0	6
RAYMORE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	34	4	1	19	8	1	2	0	4	1	3	0	0
	DAMAGE	99	11	0	37	26	0	0	0	0	0	10	0	2
	TOTAL	133	15	1	56	34	1	2	0	4	1	13	0	2
POP UNDER 1000	FATAL	16	8	5	6	3	2	1	0	0	0	5	0	0
	INJURY	185	75	26	70	43	15	5	0	0	3	73	1	5
	DAMAGE	419	113	10	118	77	20	0	3	0	0	115	0	35
	TOTAL	620	196	41	194	123	37	6	3	0	3	193	1	40
CEDAR CO	FATAL	6	2	1	1	3	0	2	0	0	0	4	0	0
	INJURY	58	29	6	11	13	2	3	1	1	1	30	0	0
	DAMAGE	149	32	15	42	49	4	0	0	0	0	46	0	4
	TOTAL	213	63	22	54	65	6	5	1	1	1	80	0	4
EL DORADO SPRINGS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	10	6	2	2	0	0	0	0	1	0	5	0	0
	DAMAGE	58	4	3	20	22	0	0	0	0	0	7	0	4
	TOTAL	68	10	5	22	22	0	0	0	1	0	12	0	4
STOCKTON	FATAL	1	0	0	0	0	0	0	0	0	0	1	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	3	1	0	0	2	0	0	0	0	0	0	0	0
	TOTAL	4	1	0	0	2	0	0	0	0	0	1	0	0
POP UNDER 1000	FATAL	5	2	1	1	3	0	2	0	0	0	3	0	0
	INJURY	48	23	4	9	13	2	3	1	0	1	25	0	0
	DAMAGE	88	27	12	22	25	4	0	0	0	0	39	0	0
	TOTAL	141	52	17	32	41	6	5	1	0	1	67	0	0
CHARITON CO	FATAL	3	0	0	0	2	1	0	0	0	0	1	0	0
	INJURY	43	12	7	16	10	7	1	2	0	1	20	0	1
	DAMAGE	138	16	8	49	31	2	0	2	0	0	36	0	1
	TOTAL	184	28	15	65	43	10	1	4	0	1	57	0	2
SALISBURY	FATAL	1	0	0	0	0	0	0	0	0	0	1	0	0
	INJURY	9	1	1	4	5	2	1	1	0	0	1	0	0
	DAMAGE	39	2	1	22	10	0	0	0	0	0	7	0	0
	TOTAL	49	3	2	26	15	2	1	1	0	0	9	0	0
POP UNDER 1000	FATAL	2	0	0	0	2	1	0	0	0	0	0	0	0
	INJURY	34	11	6	12	5	5	0	1	0	1	19	0	1
	DAMAGE	98	14	7	27	21	2	0	2	0	0	28	0	1
	TOTAL	134	25	13	39	28	8	0	3	0	1	47	0	2
CHRISTIAN CO	FATAL	15	7	3	3	3	2	3	0	0	0	8	0	0
	INJURY	367	115	42	129	77	41	18	1	5	3	129	0	2
	DAMAGE	752	156	38	253	162	30	5	1	0	1	166	2	2
	TOTAL	1134	278	83	385	242	73	26	2	5	4	303	2	4
BILLINGS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	18	1	2	4	6	3	0	0	0	1	5	0	0
	DAMAGE	20	2	1	7	10	0	0	0	0	0	2	0	0
	TOTAL	38	3	3	11	16	3	0	0	0	1	7	0	0
CLEVER	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	7	2	0	3	0	2	0	0	0	0	0	0	0
	TOTAL	7	2	0	3	0	2	0	0	0	0	0	0	0
NIXA	FATAL	1	0	0	0	1	0	0	0	0	0	0	0	0
	INJURY	55	6	1	24	12	8	1	1	2	1	5	0	0
	DAMAGE	147	14	4	61	40	3	1	0	0	0	14	0	0
	TOTAL	203	20	5	85	53	11	2	1	2	1	19	0	0
OZARK	FATAL	1	0	0	1	0	0	0	0	0	0	0	0	0
	INJURY	66	12	5	25	17	6	3	0	2	1	14	0	0
	DAMAGE	223	25	13	86	57	7	2	0	0	0	24	1	0
	TOTAL	290	37	18	112	74	13	5	0	2	1	38	1	0
POP UNDER 1000	FATAL	13	7	3	2	2	2	3	0	0	0	8	0	0
	INJURY	228	96	34	76	42	24	14	0	1	0	105	0	2
	DAMAGE	355	113	20	96	55	18	2	1	0	1	126	1	2
	TOTAL	596	216	57	174	99	44	19	1	1	1	239	1	4

TABLE 4.0.1

**2002 MISSOURI TRAFFIC CRASHES
COUNTY AND CITY SUMMARY¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UND 21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/ OTH WK ZONE INV
CLARK CO	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	56	18	6	18	18	10	2	1	1	0	19	0	0
	DAMAGE	97	15	2	29	32	6	1	0	0	0	25	0	1
	TOTAL	153	33	8	47	50	16	3	1	1	0	44	0	1
KAHOKA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	2	1	0	2	0	0	0	0	0	0	1	0	0
	DAMAGE	22	0	1	6	14	1	1	0	0	0	2	0	0
	TOTAL	24	1	1	8	14	1	1	0	0	0	3	0	0
POP UNDER 1000	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	54	17	6	16	18	10	2	1	1	0	18	0	0
	DAMAGE	75	15	1	23	18	5	0	0	0	0	23	0	1
	TOTAL	129	32	7	39	36	15	2	1	1	0	41	0	1
CLAY CO	FATAL	24	7	4	8	5	5	1	0	0	3	6	0	1
	INJURY	1520	344	100	497	421	103	39	8	4	34	315	0	69
	DAMAGE	4951	717	140	1345	1053	120	15	28	0	0	675	3	256
	TOTAL	6495	1068	244	1850	1479	228	55	36	4	37	996	3	326
CLAYCOMO	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	17	6	2	7	6	1	1	0	0	0	3	0	1
	DAMAGE	71	18	2	16	12	3	0	1	0	0	14	0	0
	TOTAL	88	24	4	23	18	4	1	1	0	0	17	0	1
EXCELSIOR SPRINGS / CLA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	74	18	7	32	25	1	2	0	1	4	13	0	0
	DAMAGE	247	37	13	87	51	3	0	1	0	0	43	0	2
	TOTAL	321	55	20	119	76	4	2	1	1	4	56	0	2
GLADSTONE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	180	32	5	66	58	3	11	1	0	0	17	0	0
	DAMAGE	562	85	21	215	165	2	2	3	0	0	49	0	2
	TOTAL	742	117	26	281	223	5	13	4	0	0	66	0	2
KANSAS CITY / CLA	FATAL	11	5	4	3	3	1	1	0	0	2	3	0	1
	INJURY	580	138	45	167	139	41	13	1	2	18	127	0	14
	DAMAGE	2249	364	58	533	386	46	4	14	0	0	329	1	39
	TOTAL	2840	507	107	703	528	88	18	15	2	20	459	1	54
KEARNEY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	46	7	2	18	10	0	1	0	0	2	7	0	4
	DAMAGE	105	12	2	36	24	6	0	0	0	0	12	0	14
	TOTAL	151	19	4	54	34	6	1	0	0	2	19	0	18
LAWSON / CLA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	4	0	0	0	2	0	0	0	0	0	0	0	0
	DAMAGE	7	1	0	3	3	0	0	0	0	0	1	0	0
	TOTAL	11	1	0	3	5	0	0	0	0	0	1	0	0
LIBERTY	FATAL	2	0	0	1	0	2	0	0	0	0	0	0	0
	INJURY	219	27	10	91	67	20	4	0	0	2	29	0	27
	DAMAGE	662	59	17	240	155	15	1	3	0	0	72	0	113
	TOTAL	883	86	27	332	222	37	5	3	0	2	101	0	140
NORTH KANSAS CITY	FATAL	2	0	0	0	1	0	0	0	0	1	1	0	0
	INJURY	130	22	9	20	42	8	1	1	0	4	20	0	2
	DAMAGE	470	34	8	64	121	13	3	0	0	0	31	2	6
	TOTAL	602	56	17	84	164	21	4	1	0	5	52	2	8
PLEASANT VALLEY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	19	5	1	2	6	0	0	0	0	1	4	0	0
	DAMAGE	84	8	1	16	19	5	0	1	0	0	13	0	2
	TOTAL	103	13	2	18	25	5	0	1	0	1	17	0	2
SMITHVILLE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	45	15	1	17	16	3	0	0	0	0	5	0	21
	DAMAGE	165	30	2	48	41	2	0	3	0	0	21	0	75
	TOTAL	210	45	3	65	57	5	0	3	0	0	26	0	96
POP UNDER 1000	FATAL	9	2	0	4	1	2	0	0	0	0	2	0	0
	INJURY	206	74	18	77	50	26	6	5	1	3	90	0	0
	DAMAGE	329	69	16	87	76	25	5	2	0	0	90	0	3
	TOTAL	544	145	34	168	127	53	11	7	1	3	182	0	3
CLINTON CO	FATAL	3	1	0	0	1	0	1	0	0	0	2	0	0
	INJURY	136	39	16	45	22	14	4	0	1	2	64	0	2
	DAMAGE	268	59	11	70	57	25	0	1	2	0	79	0	16
	TOTAL	407	99	27	115	80	39	5	1	3	2	145	0	18

TABLE 4.0.1

**2002 MISSOURI TRAFFIC CRASHES
COUNTY AND CITY SUMMARY¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UND 21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/OTH WK ZONE INV
CAMERON / CLI	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	13	2	2	7	3	0	0	0	1	1	3	0	0
	DAMAGE	61	7	1	25	15	0	0	1	1	0	8	0	0
	TOTAL	74	9	3	32	18	0	0	1	2	1	11	0	0
GOWER	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	2	0	0	2	0	0	0	0	0	0	0	0	0
	DAMAGE	5	0	0	1	0	0	0	0	0	0	0	0	0
	TOTAL	7	0	0	3	0	0	0	0	0	0	0	0	0
LATHROP	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	10	0	1	5	3	0	0	0	1	0	1	0	0
	TOTAL	10	0	1	5	3	0	0	0	1	0	1	0	0
PLATTSBURG	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	6	1	0	2	1	0	1	0	0	1	3	0	0
	DAMAGE	21	0	1	8	6	1	0	0	0	0	3	0	0
	TOTAL	27	1	1	10	7	1	1	0	0	1	6	0	0
POP UNDER 1000	FATAL	3	1	0	0	1	0	1	0	0	0	2	0	0
	INJURY	115	36	14	34	18	14	3	0	0	0	58	0	2
	DAMAGE	171	52	8	31	33	24	0	0	0	0	67	0	16
	TOTAL	289	89	22	65	52	38	4	0	0	0	127	0	18
COLE CO	FATAL	14	6	1	6	2	3	1	0	0	0	7	0	0
	INJURY	573	123	46	189	146	33	16	3	3	16	119	1	3
	DAMAGE	1715	248	56	566	429	38	5	5	0	0	255	1	12
	TOTAL	2302	377	103	761	577	74	22	8	3	16	381	2	15
JEFFERSON CITY / COL	FATAL	2	0	0	1	1	0	0	0	0	0	1	0	0
	INJURY	408	50	29	136	118	17	6	1	3	15	54	1	3
	DAMAGE	1404	164	34	471	376	16	4	5	0	0	158	1	9
	TOTAL	1814	214	63	608	495	33	10	6	3	15	213	2	12
ST. MARTINS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	3	0	0	0	2	0	0	0	0	0	0	0	0
	TOTAL	4	0	0	0	2	0	0	0	0	0	0	0	0
POP UNDER 1000	FATAL	12	6	1	5	1	3	1	0	0	0	6	0	0
	INJURY	164	73	17	53	28	16	10	2	0	1	65	0	0
	DAMAGE	308	84	22	95	51	22	1	0	0	0	97	0	3
	TOTAL	484	163	40	153	80	41	12	2	0	1	168	0	3
COOPER CO	FATAL	9	5	1	1	3	4	1	0	0	0	3	0	0
	INJURY	139	41	11	45	36	22	4	0	1	0	42	0	1
	DAMAGE	474	66	23	106	130	34	1	1	0	0	109	1	6
	TOTAL	622	112	35	152	169	60	6	1	1	0	154	1	7
BOONVILLE	FATAL	1	0	0	0	1	0	0	0	0	0	1	0	0
	INJURY	42	4	1	19	13	3	1	0	0	0	7	0	0
	DAMAGE	213	11	2	58	73	1	1	1	0	0	12	0	2
	TOTAL	256	15	3	77	87	4	2	1	0	0	20	0	2
POP UNDER 1000	FATAL	8	5	1	1	2	4	1	0	0	0	2	0	0
	INJURY	97	37	10	26	23	19	3	0	1	0	35	0	1
	DAMAGE	261	55	21	48	57	33	0	0	0	0	97	1	4
	TOTAL	366	97	32	75	82	56	4	0	1	0	134	1	5
CRAWFORD CO	FATAL	5	1	2	0	1	2	1	0	0	0	4	0	1
	INJURY	206	55	31	58	45	34	6	1	3	1	83	3	2
	DAMAGE	512	90	25	129	106	35	0	1	0	1	124	1	6
	TOTAL	723	146	58	187	152	71	7	2	3	2	211	4	9
BOURBON	FATAL	1	0	0	0	1	1	0	0	0	0	0	0	1
	INJURY	5	0	0	2	1	0	0	0	0	0	0	0	0
	DAMAGE	11	2	2	4	2	1	0	0	0	0	4	0	0
	TOTAL	17	2	2	6	4	2	0	0	0	0	4	0	1
CUBA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	25	0	5	7	8	5	0	1	2	0	2	0	0
	DAMAGE	120	8	3	46	31	2	0	0	0	0	15	0	0
	TOTAL	145	8	8	53	39	7	0	1	2	0	17	0	0
STEELVILLE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	8	2	1	2	0	0	1	0	1	0	1	0	0
	DAMAGE	32	3	2	16	7	0	0	0	0	0	2	0	2
	TOTAL	40	5	3	18	7	0	1	0	1	0	3	0	2

TABLE 4.0.1

**2002 MISSOURI TRAFFIC CRASHES
COUNTY AND CITY SUMMARY¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UND 21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/ OTH WK ZONE INV
SULLIVAN / CRA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	12	2	0	5	7	1	1	0	0	1	1	0	0
	DAMAGE	32	4	0	7	8	0	0	0	0	0	2	0	0
	TOTAL	44	6	0	12	15	1	1	0	0	1	3	0	0
POP UNDER 1000	FATAL	4	1	2	0	0	1	1	0	0	0	4	0	0
	INJURY	156	51	25	42	29	28	4	0	0	0	79	3	2
	DAMAGE	317	73	18	56	58	32	0	1	0	1	101	1	4
	TOTAL	477	125	45	98	87	61	5	1	0	1	184	4	6
DADE CO	FATAL	4	0	0	0	2	1	0	0	0	0	2	0	0
	INJURY	62	19	12	17	12	5	3	0	0	1	29	0	1
	DAMAGE	76	13	7	15	20	3	2	0	0	0	34	0	0
	TOTAL	142	32	19	32	34	9	5	0	0	1	65	0	1
GREENFIELD	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	5	1	2	2	0	0	0	0	0	1	1	0	1
	DAMAGE	16	2	1	6	5	0	1	0	0	0	7	0	0
	TOTAL	21	3	3	8	5	0	1	0	0	1	8	0	1
POP UNDER 1000	FATAL	4	0	0	0	2	1	0	0	0	0	2	0	0
	INJURY	57	18	10	15	12	5	3	0	0	0	28	0	0
	DAMAGE	60	11	6	9	15	3	1	0	0	0	27	0	0
	TOTAL	121	29	16	24	29	9	4	0	0	0	57	0	0
DALLAS CO	FATAL	8	5	2	2	4	5	0	0	0	0	0	1	0
	INJURY	133	55	19	44	33	3	5	1	0	1	56	2	2
	DAMAGE	215	40	15	70	54	10	1	1	0	0	51	0	9
	TOTAL	356	100	36	116	91	18	6	2	0	1	107	3	11
BUFFALO	FATAL	2	1	0	0	1	2	0	0	0	0	0	1	0
	INJURY	34	8	2	18	9	1	0	1	0	1	6	1	2
	DAMAGE	78	9	5	32	23	1	1	0	0	0	9	0	9
	TOTAL	114	18	7	50	33	4	1	1	0	1	15	2	11
POP UNDER 1000	FATAL	6	4	2	2	3	3	0	0	0	0	0	0	0
	INJURY	99	47	17	26	24	2	5	0	0	0	50	1	0
	DAMAGE	137	31	10	38	31	9	0	1	0	0	42	0	0
	TOTAL	242	82	29	66	58	14	5	1	0	0	92	1	0
DAVISS CO	FATAL	4	1	1	1	0	2	0	0	0	2	0	0	1
	INJURY	42	15	4	8	11	5	0	0	0	0	18	0	0
	DAMAGE	130	29	6	27	31	11	2	1	0	0	37	0	2
	TOTAL	176	45	11	36	42	18	2	1	0	2	55	0	3
GALLATIN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	17	0	0	5	5	0	1	0	0	0	2	0	0
	TOTAL	17	0	0	5	5	0	1	0	0	0	2	0	0
POP UNDER 1000	FATAL	4	1	1	1	0	2	0	0	0	2	0	0	1
	INJURY	42	15	4	8	11	5	0	0	0	0	18	0	0
	DAMAGE	113	29	6	22	26	11	1	1	0	0	35	0	2
	TOTAL	159	45	11	31	37	18	1	1	0	2	53	0	3
DE KALB CO	FATAL	3	1	2	0	0	0	0	0	0	0	2	0	0
	INJURY	70	14	3	21	18	7	3	1	0	0	14	0	2
	DAMAGE	125	25	10	39	40	6	0	0	0	0	36	0	3
	TOTAL	198	40	15	60	58	13	3	1	0	0	52	0	5
CAMERON / DEK	FATAL	1	0	1	0	0	0	0	0	0	0	0	0	0
	INJURY	23	2	0	9	9	3	0	0	0	0	1	0	1
	DAMAGE	53	8	3	15	25	3	0	0	0	0	6	0	1
	TOTAL	77	10	4	24	34	6	0	0	0	0	7	0	2
MAYSVILLE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	6	0	1	4	3	0	0	0	0	0	0	0	0
	TOTAL	7	0	1	4	3	0	0	0	0	0	0	0	0
POP UNDER 1000	FATAL	2	1	1	0	0	0	0	0	0	0	2	0	0
	INJURY	46	12	3	12	9	4	3	1	0	0	13	0	1
	DAMAGE	66	17	6	20	12	3	0	0	0	0	30	0	2
	TOTAL	114	30	10	32	21	7	3	1	0	0	45	0	3
DENT CO	FATAL	8	3	1	2	0	1	0	0	0	0	4	0	0
	INJURY	111	33	9	39	30	5	1	1	1	3	39	0	0
	DAMAGE	288	68	16	69	77	7	5	1	0	0	82	0	1
	TOTAL	407	104	26	110	107	13	6	2	1	3	125	0	1

TABLE 4.0.1

**2002 MISSOURI TRAFFIC CRASHES
COUNTY AND CITY SUMMARY¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UND 21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/ OTH WK ZONE INV
SALEM	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	39	2	1	15	18	2	1	0	1	1	2	0	0
	DAMAGE	99	8	2	29	39	1	0	0	0	0	11	0	0
	TOTAL	138	10	3	44	57	3	1	0	1	1	13	0	0
POP UNDER 1000	FATAL	8	3	1	2	0	1	0	0	0	0	4	0	0
	INJURY	72	31	8	24	12	3	0	1	0	2	37	0	0
	DAMAGE	189	60	14	40	38	6	5	1	0	0	71	0	1
	TOTAL	269	94	23	66	50	10	5	2	0	2	112	0	1
DOUGLAS CO	FATAL	4	0	2	0	1	1	0	0	0	0	3	0	0
	INJURY	89	38	10	36	16	7	0	0	0	1	43	0	1
	DAMAGE	162	41	15	48	47	11	1	2	0	0	39	0	1
	TOTAL	255	79	27	84	64	19	1	2	0	1	85	0	2
AVA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	11	1	0	4	4	2	0	0	0	1	1	0	0
	DAMAGE	55	14	2	21	23	3	0	0	0	0	6	0	0
	TOTAL	66	15	2	25	27	5	0	0	0	1	7	0	0
POP UNDER 1000	FATAL	4	0	2	0	1	1	0	0	0	0	3	0	0
	INJURY	78	37	10	32	12	5	0	0	0	0	42	0	1
	DAMAGE	107	27	13	27	24	8	1	2	0	0	33	0	1
	TOTAL	189	64	25	59	37	14	1	2	0	0	78	0	2
DUNKLIN CO	FATAL	5	3	3	1	1	1	0	0	0	0	1	0	0
	INJURY	256	61	27	78	68	22	5	1	5	2	63	0	0
	DAMAGE	567	65	23	172	171	19	1	1	1	1	80	0	0
	TOTAL	828	129	53	251	240	42	6	2	6	3	144	0	0
CAMPBELL	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	9	2	1	6	2	0	0	0	1	0	1	0	0
	DAMAGE	34	1	3	12	13	1	1	0	0	0	5	0	0
	TOTAL	43	3	4	18	15	1	1	0	1	0	6	0	0
CLARKTON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	6	1	0	2	2	0	0	0	0	0	0	0	0
	TOTAL	7	1	0	2	2	0	0	0	0	0	0	0	0
KENNETT	FATAL	1	0	1	0	0	0	0	0	0	0	0	0	0
	INJURY	106	8	3	39	38	3	3	1	2	1	6	0	0
	DAMAGE	286	19	7	93	99	4	0	1	0	1	18	0	0
	TOTAL	393	27	11	132	137	7	3	2	2	2	24	0	0
MALDEN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	14	2	0	2	5	0	0	0	0	0	1	0	0
	DAMAGE	67	4	3	21	24	1	0	0	1	0	6	0	0
	TOTAL	81	6	3	23	29	1	0	0	1	0	7	0	0
SENATH	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	0	0	1	0	0	0	0	1	0	0	0	0
	DAMAGE	18	1	1	4	5	1	0	0	0	0	2	0	0
	TOTAL	19	1	1	5	5	1	0	0	1	0	2	0	0
POP UNDER 1000	FATAL	4	3	2	1	1	1	0	0	0	0	1	0	0
	INJURY	125	49	23	30	23	19	2	0	1	1	55	0	0
	DAMAGE	156	39	9	40	28	12	0	0	0	0	49	0	0
	TOTAL	285	91	34	71	52	32	2	0	1	1	105	0	0
FRANKLIN CO	FATAL	31	17	12	5	6	4	2	0	0	2	12	0	0
	INJURY	819	266	74	298	185	76	19	4	5	10	268	1	9
	DAMAGE	2144	487	84	638	481	78	4	14	0	3	443	3	20
	TOTAL	2994	770	170	941	672	158	25	18	5	15	723	4	29
GERALD	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	0	0	1	0	0	0	0	0	0	0	0	0
	DAMAGE	0	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL	1	0	0	1	0	0	0	0	0	0	0	0	0
NEW HAVEN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	8	2	0	3	2	0	0	0	0	1	2	0	0
	DAMAGE	40	6	3	11	11	0	0	1	0	0	8	0	0
	TOTAL	48	8	3	14	13	0	0	1	0	1	10	0	0
PACIFIC / FRA	FATAL	1	1	0	0	0	0	0	0	0	0	0	0	0
	INJURY	39	10	2	16	8	6	1	0	1	0	7	0	1
	DAMAGE	162	33	1	48	31	6	0	2	0	0	23	0	5
	TOTAL	202	44	3	64	39	12	1	2	1	0	30	0	6

TABLE 4.0.1

**2002 MISSOURI TRAFFIC CRASHES
COUNTY AND CITY SUMMARY¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UND 21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/ OTH WK ZONE INV
ST. CLAIR	FATAL	1	0	0	0	0	0	0	0	0	0	1	0	0
	INJURY	44	7	3	15	11	4	0	0	0	0	8	0	1
	DAMAGE	175	23	3	51	48	7	3	1	0	0	34	0	1
	TOTAL	220	30	6	66	59	11	3	1	0	0	43	0	2
SULLIVAN / FRA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	23	1	2	5	7	3	0	1	0	1	1	0	1
	DAMAGE	114	17	2	27	51	7	0	2	0	0	7	1	0
	TOTAL	137	18	4	32	58	10	0	3	0	1	8	1	1
UNION	FATAL	1	1	1	0	0	0	0	0	0	0	1	0	0
	INJURY	90	11	4	32	33	3	2	1	1	1	7	0	0
	DAMAGE	289	35	6	84	71	1	0	1	0	1	25	0	1
	TOTAL	380	47	11	116	104	4	2	2	1	2	33	0	1
WASHINGTON	FATAL	1	0	0	1	1	0	0	0	0	0	0	0	0
	INJURY	122	20	9	56	33	6	1	0	2	4	12	0	1
	DAMAGE	386	46	15	139	94	9	0	1	0	1	30	0	0
	TOTAL	509	66	24	196	128	15	1	1	2	5	42	0	1
POP UNDER 1000	FATAL	27	15	11	4	5	4	2	0	0	2	10	0	0
	INJURY	492	215	54	170	91	54	15	2	1	3	231	1	5
	DAMAGE	978	327	54	278	175	48	1	6	0	1	316	2	13
	TOTAL	1497	557	119	452	271	106	18	8	1	6	557	3	18
GASCONADE CO	FATAL	1	1	1	1	0	0	0	0	0	0	1	0	0
	INJURY	81	33	7	37	19	4	3	0	1	0	29	0	0
	DAMAGE	242	50	11	77	71	17	0	7	0	0	53	0	1
	TOTAL	324	84	19	115	90	21	3	7	1	0	83	0	1
HERMANN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	10	4	0	3	5	1	0	0	1	0	0	0	0
	DAMAGE	85	7	3	29	30	0	0	4	0	0	7	0	0
	TOTAL	95	11	3	32	35	1	0	4	1	0	7	0	0
OWENSVILLE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	14	3	0	8	4	0	1	0	0	0	1	0	0
	DAMAGE	37	4	0	18	12	2	0	1	0	0	3	0	0
	TOTAL	51	7	0	26	16	2	1	1	0	0	4	0	0
POP UNDER 1000	FATAL	1	1	1	1	0	0	0	0	0	0	1	0	0
	INJURY	57	26	7	26	10	3	2	0	0	0	28	0	0
	DAMAGE	120	39	8	30	29	15	0	2	0	0	43	0	1
	TOTAL	178	66	16	57	39	18	2	2	0	0	72	0	1
GENTRY CO	FATAL	2	1	1	1	1	0	0	0	0	0	2	0	0
	INJURY	44	8	9	15	8	2	0	0	0	1	26	0	0
	DAMAGE	60	9	6	17	14	2	1	1	0	1	15	2	1
	TOTAL	106	18	16	33	23	4	1	1	0	2	43	2	1
ALBANY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	6	3	2	3	2	0	0	0	0	0	3	0	0
	DAMAGE	18	3	2	7	4	1	1	0	0	1	4	0	0
	TOTAL	24	6	4	10	6	1	1	0	0	1	7	0	0
KING CITY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	2	0	0	1	1	0	0	0	0	1	1	0	0
	DAMAGE	4	1	0	0	1	0	0	0	0	0	0	0	0
	TOTAL	6	1	0	1	2	0	0	0	0	1	1	0	0
STANBERRY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	4	0	0	2	1	0	0	0	0	0	1	0	0
	DAMAGE	2	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL	6	0	0	2	1	0	0	0	0	0	1	0	0
POP UNDER 1000	FATAL	2	1	1	1	1	0	0	0	0	0	2	0	0
	INJURY	32	5	7	9	4	2	0	0	0	0	21	0	0
	DAMAGE	36	5	4	10	9	1	0	1	0	0	11	2	1
	TOTAL	70	11	12	20	14	3	0	1	0	0	34	2	1
GREENE CO	FATAL	43	14	13	9	14	8	3	0	1	5	8	0	1
	INJURY	3038	432	161	1065	839	146	54	11	34	60	365	2	18
	DAMAGE	6220	645	199	2033	1580	144	13	27	2	1	681	3	55
	TOTAL	9301	1091	373	3107	2433	298	70	38	37	66	1054	5	74
ASH GROVE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	4	1	0	1	3	0	0	0	0	0	0	0	0
	TOTAL	4	1	0	1	3	0	0	0	0	0	0	0	0

TABLE 4.0.1

**2002 MISSOURI TRAFFIC CRASHES
COUNTY AND CITY SUMMARY¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UND 21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/OTH WK ZONE INV
BATTLEFIELD	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	8	3	1	2	2	0	0	0	1	1	2	0	0
	DAMAGE	4	0	0	1	1	1	0	0	0	0	0	0	0
	TOTAL	12	3	1	3	3	1	0	0	1	1	2	0	0
FAIR GROVE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	4	3	0	2	1	0	0	0	0	0	4	0	0
	DAMAGE	11	2	0	4	3	0	0	0	0	0	1	0	0
	TOTAL	15	5	0	6	4	0	0	0	0	0	5	0	0
REPUBLIC	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	57	7	2	24	15	5	1	0	1	2	1	0	0
	DAMAGE	201	13	2	72	62	4	0	2	0	0	12	0	3
	TOTAL	258	20	4	96	77	9	1	2	1	2	13	0	3
ROGERSVILLE / GRE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	1	0	0	0	1	0	0	0	0	0	0	0	0
	TOTAL	1	0	0	0	1	0	0	0	0	0	0	0	0
SPRINGFIELD	FATAL	16	5	2	3	6	3	2	0	1	2	2	0	0
	INJURY	2475	265	107	881	713	86	44	11	30	53	179	2	16
	DAMAGE	5096	442	165	1682	1315	83	13	18	1	1	445	2	45
	TOTAL	7587	712	274	2566	2034	172	59	29	32	56	626	4	61
STRAFFORD	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	16	4	1	7	4	2	0	0	0	0	4	0	0
	DAMAGE	39	4	1	10	6	8	0	1	0	0	5	0	0
	TOTAL	55	8	2	17	10	10	0	1	0	0	9	0	0
WILLARD	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	13	3	0	7	5	1	0	0	0	0	1	0	0
	DAMAGE	34	3	0	14	11	0	0	1	0	0	5	0	0
	TOTAL	47	6	0	21	16	1	0	1	0	0	6	0	0
POP UNDER 1000	FATAL	27	9	11	6	8	5	1	0	0	3	6	0	1
	INJURY	465	147	50	142	99	52	9	0	2	4	174	0	2
	DAMAGE	830	180	31	249	178	48	0	5	1	0	213	1	7
	TOTAL	1322	336	92	397	285	105	10	5	3	7	393	1	10
GRUNDY CO	FATAL	1	1	1	1	0	0	0	0	0	1	0	0	0
	INJURY	58	11	9	27	11	2	1	0	3	2	18	0	1
	DAMAGE	201	37	10	68	55	12	0	1	2	0	42	0	1
	TOTAL	260	49	20	96	66	14	1	1	5	3	60	0	2
TRENTON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	31	3	2	13	8	1	1	0	3	2	6	0	0
	DAMAGE	143	18	8	51	46	6	0	1	2	0	21	0	1
	TOTAL	174	21	10	64	54	7	1	1	5	2	27	0	1
POP UNDER 1000	FATAL	1	1	1	1	0	0	0	0	0	1	0	0	0
	INJURY	27	8	7	14	3	1	0	0	0	0	12	0	1
	DAMAGE	58	19	2	17	9	6	0	0	0	0	21	0	0
	TOTAL	86	28	10	32	12	7	0	0	0	1	33	0	1
HARRISON CO	FATAL	4	0	1	0	1	0	0	0	0	0	2	0	0
	INJURY	71	26	6	23	12	6	3	0	1	2	36	0	0
	DAMAGE	168	34	3	38	41	8	0	1	0	0	44	0	0
	TOTAL	243	60	10	61	54	14	3	1	1	2	82	0	0
BETHANY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	13	3	1	3	4	0	2	0	1	1	5	0	0
	DAMAGE	55	6	1	17	20	1	0	1	0	0	9	0	0
	TOTAL	68	9	2	20	24	1	2	1	1	1	14	0	0
POP UNDER 1000	FATAL	4	0	1	0	1	0	0	0	0	0	2	0	0
	INJURY	58	23	5	20	8	6	1	0	0	1	31	0	0
	DAMAGE	113	28	2	21	21	7	0	0	0	0	35	0	0
	TOTAL	175	51	8	41	30	13	1	0	0	1	68	0	0
HENRY CO	FATAL	5	2	1	2	2	1	0	0	0	0	4	0	0
	INJURY	171	39	24	55	42	7	5	0	7	2	64	0	1
	DAMAGE	378	61	11	102	118	8	1	4	1	0	91	0	2
	TOTAL	554	102	36	159	162	16	6	4	8	2	159	0	3
CLINTON	FATAL	1	0	0	0	1	1	0	0	0	0	0	0	0
	INJURY	78	13	4	26	22	5	3	0	4	2	7	0	0
	DAMAGE	195	17	3	56	72	0	1	2	1	0	28	0	0
	TOTAL	274	30	7	82	95	6	4	2	5	2	35	0	0

TABLE 4.0.1

**2002 MISSOURI TRAFFIC CRASHES
COUNTY AND CITY SUMMARY¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UND 21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/ OTH WK ZONE INV
WINDSOR / HEN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	4	1	2	1	1	0	0	0	1	0	2	0	0
	DAMAGE	19	3	1	2	9	0	0	0	0	0	2	0	0
	TOTAL	23	4	3	3	10	0	0	0	1	0	4	0	0
POP UNDER 1000	FATAL	4	2	1	2	1	0	0	0	0	0	4	0	0
	INJURY	89	25	18	28	19	2	2	0	2	0	55	0	1
	DAMAGE	164	41	7	44	37	8	0	2	0	0	61	0	2
	TOTAL	257	68	26	74	57	10	2	2	2	0	120	0	3
HICKORY CO	FATAL	6	6	3	1	0	1	0	0	0	0	4	0	0
	INJURY	60	31	17	17	14	2	3	0	0	0	34	0	0
	DAMAGE	80	20	8	21	32	1	0	1	0	0	25	0	0
	TOTAL	146	57	28	39	46	4	3	1	0	0	63	0	0
POP UNDER 1000	FATAL	6	6	3	1	0	1	0	0	0	0	4	0	0
	INJURY	60	31	17	17	14	2	3	0	0	0	34	0	0
	DAMAGE	80	20	8	21	32	1	0	1	0	0	25	0	0
	TOTAL	146	57	28	39	46	4	3	1	0	0	63	0	0
HOLT CO	FATAL	2	0	1	1	1	0	0	0	0	0	0	0	0
	INJURY	46	14	5	13	10	5	3	0	0	0	15	0	1
	DAMAGE	112	24	1	26	24	12	0	0	0	0	36	0	0
	TOTAL	160	38	7	40	35	17	3	0	0	0	51	0	1
MOUND CITY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	2	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	8	1	0	2	3	0	0	0	0	0	3	0	0
	TOTAL	10	1	0	2	3	0	0	0	0	0	3	0	0
POP UNDER 1000	FATAL	2	0	1	1	1	0	0	0	0	0	0	0	0
	INJURY	44	14	5	13	10	5	3	0	0	0	15	0	1
	DAMAGE	104	23	1	24	21	12	0	0	0	0	33	0	0
	TOTAL	150	37	7	38	32	17	3	0	0	0	48	0	1
HOWARD CO	FATAL	3	1	0	0	1	0	1	0	0	0	0	0	0
	INJURY	55	23	5	21	9	1	2	0	1	1	19	0	0
	DAMAGE	121	27	4	33	34	4	0	0	0	0	36	1	1
	TOTAL	179	51	9	54	44	5	3	0	1	1	55	1	1
FAYETTE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	4	0	0	1	1	0	0	0	1	1	0	0	0
	DAMAGE	26	2	0	12	12	0	0	0	0	0	2	0	1
	TOTAL	30	2	0	13	13	0	0	0	1	1	2	0	1
GLASGOW	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	0	0	1	0	0	0	0	0	0	0	0	0
	DAMAGE	18	2	0	6	5	1	0	0	0	0	2	0	0
	TOTAL	19	2	0	7	5	1	0	0	0	0	2	0	0
NEW FRANKLIN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	5	0	0	0	4	0	0	0	0	0	1	0	0
	TOTAL	5	0	0	0	4	0	0	0	0	0	1	0	0
POP UNDER 1000	FATAL	3	1	0	0	1	0	1	0	0	0	0	0	0
	INJURY	50	23	5	19	8	1	2	0	0	0	19	0	0
	DAMAGE	73	23	4	15	13	3	0	0	0	0	31	1	0
	TOTAL	126	47	9	34	22	4	3	0	0	0	50	1	0
HOWELL CO	FATAL	11	5	3	2	5	3	0	0	0	0	3	0	0
	INJURY	282	79	32	102	83	22	7	0	4	5	97	0	5
	DAMAGE	685	114	32	231	203	22	3	3	1	0	121	1	8
	TOTAL	978	198	67	335	291	47	10	3	5	5	221	1	13
MOUNTAIN VIEW	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	9	2	0	2	5	0	0	0	1	2	1	0	0
	DAMAGE	27	4	1	9	13	0	1	0	0	0	0	0	0
	TOTAL	36	6	1	11	18	0	1	0	1	2	1	0	0
WEST PLAINS	FATAL	2	0	1	0	1	1	0	0	0	0	0	0	0
	INJURY	116	10	8	47	44	9	3	0	2	2	15	0	0
	DAMAGE	380	23	13	146	124	3	1	1	1	0	31	1	1
	TOTAL	498	33	22	193	169	13	4	1	3	2	46	1	1
WILLOW SPRINGS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	11	4	0	4	2	2	0	0	0	0	2	0	2
	DAMAGE	44	1	2	12	16	0	1	0	0	0	2	0	2
	TOTAL	55	5	2	16	18	2	1	0	0	0	4	0	4

TABLE 4.0.1

**2002 MISSOURI TRAFFIC CRASHES
COUNTY AND CITY SUMMARY¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UND 21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/ OTH WK ZONE INV
POP UNDER 1000	FATAL	9	5	2	2	4	2	0	0	0	0	3	0	0
	INJURY	146	63	24	49	32	11	4	0	1	1	79	0	3
	DAMAGE	234	86	16	64	50	19	0	2	0	0	88	0	5
	TOTAL	389	154	42	115	86	32	4	2	1	1	170	0	8
IRON CO	FATAL	4	1	2	0	1	0	1	0	0	0	3	0	0
	INJURY	80	32	10	26	20	9	4	0	1	0	38	1	0
	DAMAGE	136	26	9	41	37	12	1	1	0	0	46	1	1
	TOTAL	220	59	21	67	58	21	6	1	1	0	87	2	1
IRONTON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	6	0	0	4	2	0	0	0	1	0	0	0	0
	DAMAGE	43	5	1	18	14	0	1	1	0	0	5	0	0
	TOTAL	49	5	1	22	16	0	1	1	1	0	5	0	0
POP UNDER 1000	FATAL	4	1	2	0	1	0	1	0	0	0	3	0	0
	INJURY	74	32	10	22	18	9	4	0	0	0	38	1	0
	DAMAGE	93	21	8	23	23	12	0	0	0	0	41	1	1
	TOTAL	171	54	20	45	42	21	5	0	0	0	82	2	1
JACKSON CO	FATAL	97	40	24	25	22	17	7	0	2	20	27	1	3
	INJURY	6555	1374	480	1747	1485	386	151	37	83	264	1011	4	138
	DAMAGE	21871	2895	596	4360	4115	351	61	205	16	17	2522	14	420
	TOTAL	28523	4309	1100	6132	5622	754	219	242	101	301	3560	19	561
BLUE SPRINGS	FATAL	4	0	2	3	2	3	0	0	0	0	1	0	0
	INJURY	263	53	20	113	73	19	7	2	7	4	32	0	0
	DAMAGE	1017	178	25	372	216	10	2	5	1	1	96	0	8
	TOTAL	1284	231	47	488	291	32	9	7	8	5	129	0	8
BUCKNER	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	3	0	0	2	1	0	0	0	0	0	0	0	0
	DAMAGE	25	6	2	7	5	0	1	0	0	0	5	0	0
	TOTAL	28	6	2	9	6	0	1	0	0	0	5	0	0
GRAIN VALLEY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	26	8	5	11	3	2	2	0	0	0	6	0	0
	DAMAGE	82	17	6	32	16	4	0	1	0	0	13	0	1
	TOTAL	108	25	11	43	19	6	2	1	0	0	19	0	1
GRANDVIEW	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	143	29	14	52	25	9	4	1	1	4	27	0	1
	DAMAGE	402	62	17	113	94	8	1	7	0	0	73	0	4
	TOTAL	545	91	31	165	119	17	5	8	1	4	100	0	5
GREENWOOD	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	2	0	0	1	1	0	0	0	0	0	1	0	0
	DAMAGE	17	1	0	4	4	0	0	0	0	0	2	0	0
	TOTAL	19	1	0	5	5	0	0	0	0	0	3	0	0
INDEPENDENCE	FATAL	10	6	3	2	0	1	2	0	1	1	2	0	0
	INJURY	1107	224	94	354	335	78	32	4	9	29	151	1	22
	DAMAGE	2879	405	104	851	738	56	14	21	1	1	319	1	44
	TOTAL	3996	635	201	1207	1073	135	48	25	11	31	472	2	66
KANSAS CITY / JAC	FATAL	56	24	15	15	12	7	2	0	0	17	17	0	1
	INJURY	4004	843	266	849	799	213	66	24	55	208	595	3	87
	DAMAGE	14539	1739	330	1987	2389	221	33	150	13	15	1576	13	274
	TOTAL	18599	2606	611	2851	3200	441	101	174	68	240	2188	16	362
LAKE LOTAWANA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	16	8	3	2	5	0	2	0	0	0	4	0	0
	DAMAGE	34	15	3	12	7	0	0	0	0	0	11	0	1
	TOTAL	50	23	6	14	12	0	2	0	0	0	15	0	1
LEE'S SUMMIT / JAC	FATAL	9	6	1	2	1	1	1	0	1	0	2	0	0
	INJURY	464	94	29	177	122	25	18	1	5	13	73	0	12
	DAMAGE	1710	263	52	642	357	28	3	11	1	0	217	0	54
	TOTAL	2183	363	82	821	480	54	22	12	7	13	292	0	66
OAK GROVE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	56	11	3	24	7	13	0	0	2	0	5	0	2
	DAMAGE	127	19	8	40	29	5	1	3	0	0	15	0	7
	TOTAL	183	30	11	64	36	18	1	3	2	0	20	0	9
RAYTOWN	FATAL	3	0	0	0	2	1	0	0	0	1	0	0	0
	INJURY	236	25	18	81	78	7	5	3	0	4	28	0	2
	DAMAGE	515	59	20	152	168	6	2	3	0	0	50	0	3
	TOTAL	754	84	38	233	248	14	7	6	0	5	78	0	5

TABLE 4.0.1

**2002 MISSOURI TRAFFIC CRASHES
COUNTY AND CITY SUMMARY¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UND 21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/ OTH WK ZONE INV
SUGAR CREEK	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	17	7	1	5	4	2	1	0	1	0	4	0	0
	DAMAGE	40	5	5	7	7	1	0	0	0	0	13	0	2
	TOTAL	57	12	6	12	11	3	1	0	1	0	17	0	2
POP UNDER 1000	FATAL	15	4	3	3	5	4	2	0	0	1	5	1	2
	INJURY	218	72	27	76	32	18	14	2	3	2	85	0	12
	DAMAGE	484	126	24	141	85	12	4	4	0	0	132	0	22
	TOTAL	717	202	54	220	122	34	20	6	3	3	222	1	36
JASPER CO	FATAL	20	6	5	7	6	5	0	0	0	1	7	1	0
	INJURY	1065	146	84	352	295	62	30	1	20	19	144	1	8
	DAMAGE	2657	291	88	821	691	60	4	18	2	2	329	4	20
	TOTAL	3742	443	177	1180	992	127	34	19	22	22	480	6	28
CARL JUNCTION	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	15	3	0	8	2	1	0	0	0	1	1	0	0
	DAMAGE	46	8	1	21	12	0	0	2	0	0	4	0	0
	TOTAL	61	11	1	29	14	1	0	2	0	1	5	0	0
CARTERVILLE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	7	2	3	1	1	0	1	0	0	1	1	0	0
	DAMAGE	18	2	0	5	4	1	0	0	0	0	2	0	0
	TOTAL	25	4	3	6	5	1	1	0	0	1	3	0	0
CARTHAGE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	66	11	6	29	26	2	2	0	4	1	5	0	0
	DAMAGE	220	36	12	65	65	4	0	3	0	1	37	0	1
	TOTAL	286	47	18	94	91	6	2	3	4	2	42	0	1
DUENWEG	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	0	1	0	0	0	0	0	0	0	0	0	0
	DAMAGE	6	0	0	0	1	0	0	0	0	0	0	0	0
	TOTAL	7	0	1	0	1	0	0	0	0	0	0	0	0
DUQUESNE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	13	1	0	5	2	0	0	0	1	1	1	0	0
	DAMAGE	33	3	0	8	10	0	0	0	0	0	1	0	0
	TOTAL	46	4	0	13	12	0	0	0	1	1	2	0	0
JOPLIN / JAS	FATAL	8	4	3	4	2	2	0	0	0	1	2	1	0
	INJURY	614	53	35	198	184	27	15	1	13	11	32	0	4
	DAMAGE	1596	115	44	498	435	23	3	8	2	1	133	0	14
	TOTAL	2218	172	82	700	621	52	18	9	15	13	167	1	18
SARCOXIE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	3	0	0	1	0	0	0	0	0	0	0	0	0
	DAMAGE	3	0	0	0	1	0	0	0	0	0	0	0	0
	TOTAL	6	0	0	1	1	0	0	0	0	0	0	0	0
WEBB CITY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	71	12	5	32	16	2	2	0	2	2	9	0	1
	DAMAGE	213	27	10	85	53	4	0	3	0	0	15	1	1
	TOTAL	284	39	15	117	69	6	2	3	2	2	24	1	2
POP UNDER 1000	FATAL	12	2	2	3	4	3	0	0	0	0	5	0	0
	INJURY	275	64	34	78	64	30	10	0	0	2	95	1	3
	DAMAGE	522	100	21	139	110	28	1	2	0	0	137	3	4
	TOTAL	809	166	57	220	178	61	11	2	0	2	237	4	7
JEFFERSON CO	FATAL	50	14	19	8	14	5	2	0	0	3	22	0	6
	INJURY	1662	489	168	606	361	114	34	12	7	31	484	2	85
	DAMAGE	4122	886	186	1321	829	118	11	37	2	0	810	2	344
	TOTAL	5834	1389	373	1935	1204	237	47	49	9	34	1316	4	435
ARNOLD	FATAL	4	0	2	0	1	0	0	0	0	0	1	0	1
	INJURY	188	34	12	70	56	13	2	0	3	6	21	2	23
	DAMAGE	678	62	14	235	176	5	1	6	1	0	60	1	109
	TOTAL	870	96	28	305	233	18	3	6	4	6	82	3	133
BYRNE'S MILL	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	24	5	0	10	4	0	0	0	0	0	4	0	1
	DAMAGE	62	13	1	25	7	0	0	0	0	0	7	0	0
	TOTAL	86	18	1	35	11	0	0	0	0	0	11	0	1
CRYSTAL CITY	FATAL	1	0	0	0	0	0	0	0	0	1	0	0	0
	INJURY	60	10	2	25	26	3	0	0	0	2	6	0	0
	DAMAGE	113	12	3	46	37	2	0	1	0	0	5	0	0
	TOTAL	174	22	5	71	63	5	0	1	0	3	11	0	0

TABLE 4.0.1

**2002 MISSOURI TRAFFIC CRASHES
COUNTY AND CITY SUMMARY¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UND 21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/OTH WK ZONE INV
DE SOTO	FATAL	2	1	0	1	1	0	0	0	0	0	1	0	0
	INJURY	59	14	6	21	13	8	2	2	0	3	13	0	3
	DAMAGE	184	33	8	65	38	4	0	3	0	0	28	1	3
	TOTAL	245	48	14	87	52	12	2	5	0	3	42	1	6
FESTUS	FATAL	1	0	0	0	1	0	1	0	0	0	0	0	1
	INJURY	99	17	1	33	34	5	0	0	1	0	23	0	1
	DAMAGE	328	47	15	104	84	7	2	3	0	0	47	0	4
	TOTAL	428	64	16	137	119	12	3	3	1	0	70	0	6
HERCULANEUM	FATAL	1	0	0	0	0	1	0	0	0	0	0	0	0
	INJURY	27	6	3	6	2	2	0	0	0	0	3	0	2
	DAMAGE	89	24	1	24	27	3	1	0	0	0	18	0	8
	TOTAL	117	30	4	30	29	6	1	0	0	0	21	0	10
HILLSBORO	FATAL	2	0	1	0	1	0	0	0	0	0	0	0	0
	INJURY	32	6	2	12	8	1	2	1	0	0	7	0	0
	DAMAGE	112	24	1	44	25	3	1	3	0	0	11	0	0
	TOTAL	146	30	4	56	34	4	3	4	0	0	18	0	0
PEVELY	FATAL	2	1	1	0	1	0	0	0	0	0	2	0	1
	INJURY	60	10	6	15	15	6	2	0	0	0	9	0	7
	DAMAGE	171	30	7	48	42	4	1	1	0	0	29	0	23
	TOTAL	233	41	14	63	58	10	3	1	0	0	40	0	31
POP UNDER 1000	FATAL	37	12	15	7	9	4	1	0	0	2	18	0	3
	INJURY	1113	387	136	414	203	76	26	9	3	20	398	0	48
	DAMAGE	2384	641	136	729	393	90	5	20	1	0	605	0	197
	TOTAL	3534	1040	287	1150	605	170	32	29	4	22	1021	0	248
JOHNSON CO	FATAL	13	8	2	8	2	2	0	0	1	1	6	0	0
	INJURY	311	113	34	109	63	19	12	0	1	4	135	0	1
	DAMAGE	983	206	56	347	189	14	6	4	2	1	231	0	4
	TOTAL	1307	327	92	464	254	35	18	4	4	6	372	0	5
HOLDEN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	5	2	0	2	0	0	0	0	1	0	1	0	0
	DAMAGE	25	4	0	10	7	0	0	0	1	0	4	0	0
	TOTAL	30	6	0	12	7	0	0	0	2	0	5	0	0
KNOB NOSTER	FATAL	2	1	0	1	0	0	0	0	0	0	0	0	0
	INJURY	7	1	0	1	1	1	1	0	0	0	2	0	0
	DAMAGE	41	2	2	12	8	1	1	0	0	1	5	0	0
	TOTAL	50	4	2	14	9	2	2	0	0	1	7	0	0
WARRENSBURG	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	76	7	6	30	19	3	2	0	0	4	9	0	0
	DAMAGE	452	43	21	176	102	2	3	2	1	0	38	0	1
	TOTAL	528	50	27	206	121	5	5	2	1	4	47	0	1
POP UNDER 1000	FATAL	11	7	2	7	2	2	0	0	1	1	6	0	0
	INJURY	223	103	28	76	43	15	9	0	0	0	123	0	1
	DAMAGE	465	157	33	149	72	11	2	2	0	0	184	0	3
	TOTAL	699	267	63	232	117	28	11	2	1	1	313	0	4
KNOX CO	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	30	11	6	9	3	2	1	0	2	0	13	0	0
	DAMAGE	35	11	1	11	11	2	0	0	0	0	10	0	0
	TOTAL	65	22	7	20	14	4	1	0	2	0	23	0	0
EDINA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	4	0	0	3	0	0	0	0	0	0	0	0	0
	TOTAL	4	0	0	3	0	0	0	0	0	0	0	0	0
POP UNDER 1000	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	30	11	6	9	3	2	1	0	2	0	13	0	0
	DAMAGE	31	11	1	8	11	2	0	0	0	0	10	0	0
	TOTAL	61	22	7	17	14	4	1	0	2	0	23	0	0
LACLEDE CO	FATAL	11	6	1	4	4	0	1	0	0	0	4	0	0
	INJURY	374	79	26	139	96	37	8	2	3	9	100	0	1
	DAMAGE	855	109	34	268	234	44	4	4	1	0	165	2	12
	TOTAL	1240	194	61	411	334	81	13	6	4	9	269	2	13
LEBANON	FATAL	2	1	0	1	0	0	1	0	0	0	1	0	0
	INJURY	195	15	9	78	66	7	5	1	1	6	15	0	1
	DAMAGE	468	35	12	176	146	8	3	4	1	0	36	1	9
	TOTAL	665	51	21	255	212	15	9	5	2	6	52	1	10

TABLE 4.0.1

**2002 MISSOURI TRAFFIC CRASHES
COUNTY AND CITY SUMMARY¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UND 21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/ OTH WK ZONE INV
POP UNDER 1000	FATAL	9	5	1	3	4	0	0	0	0	0	3	0	0
	INJURY	179	64	17	61	30	30	3	1	2	3	85	0	0
	DAMAGE	385	74	22	92	88	35	1	0	0	0	129	1	3
	TOTAL	573	143	40	156	122	65	4	1	2	3	217	1	3
LAFAYETTE CO	FATAL	6	0	2	0	2	1	0	0	0	1	2	0	0
	INJURY	221	82	28	61	51	23	8	2	1	3	95	0	4
	DAMAGE	607	136	27	164	152	30	0	2	1	0	155	1	13
	TOTAL	834	218	57	225	205	54	8	4	2	4	252	1	17
CONCORDIA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	6	3	0	1	4	0	0	0	0	0	1	0	0
	DAMAGE	17	0	0	5	8	0	0	0	1	0	0	0	0
	TOTAL	23	3	0	6	12	0	0	0	1	0	1	0	0
HIGGINSVILLE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	5	0	0	2	1	0	0	0	0	0	0	0	0
	DAMAGE	80	8	0	27	29	0	0	0	0	0	9	0	0
	TOTAL	85	8	0	29	30	0	0	0	0	0	9	0	0
LEXINGTON	FATAL	1	0	0	0	1	0	0	0	0	0	0	0	0
	INJURY	12	3	2	6	4	1	0	0	0	0	3	0	1
	DAMAGE	80	9	3	20	26	1	0	0	0	0	13	0	0
	TOTAL	93	12	5	26	31	2	0	0	0	0	16	0	1
ODESSA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	22	3	3	12	5	1	0	1	1	2	6	0	1
	DAMAGE	86	4	0	39	22	0	0	1	0	0	10	0	1
	TOTAL	108	7	3	51	27	1	0	2	1	2	16	0	2
POP UNDER 1000	FATAL	5	0	2	0	1	1	0	0	0	1	2	0	0
	INJURY	176	73	23	40	37	21	8	1	0	1	85	0	2
	DAMAGE	344	115	24	73	67	29	0	1	0	0	123	1	12
	TOTAL	525	188	49	113	105	51	8	2	0	2	210	1	14
LAWRENCE CO	FATAL	12	5	2	2	6	2	0	0	0	0	5	0	0
	INJURY	284	81	41	82	79	26	4	0	3	1	105	1	4
	DAMAGE	486	89	25	126	133	43	3	1	0	0	131	0	5
	TOTAL	782	175	68	210	218	71	7	1	3	1	241	1	9
AURORA	FATAL	3	2	2	0	0	0	0	0	0	0	2	0	0
	INJURY	48	6	2	18	21	3	0	0	1	0	5	0	0
	DAMAGE	97	15	1	38	35	3	2	0	0	0	10	0	1
	TOTAL	148	23	5	56	56	6	2	0	1	0	17	0	1
MARIONVILLE	FATAL	1	0	0	0	1	0	0	0	0	0	0	0	0
	INJURY	20	5	3	4	10	0	1	0	1	0	3	0	0
	DAMAGE	18	2	0	6	4	2	0	1	0	0	0	0	1
	TOTAL	39	7	3	10	15	2	1	1	1	0	3	0	1
MONETT / LAW	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	3	1	1	1	0	0	0	0	0	0	2	0	0
	DAMAGE	21	5	1	8	8	2	0	0	0	0	6	0	0
	TOTAL	24	6	2	9	8	2	0	0	0	0	8	0	0
MOUNT VERNON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	19	0	1	5	11	1	1	0	1	0	3	0	0
	DAMAGE	63	1	2	15	26	1	0	0	0	0	9	0	0
	TOTAL	82	1	3	20	37	2	1	0	1	0	12	0	0
PIERCE CITY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	2	1	1	1	2	0	0	0	0	0	1	0	0
	DAMAGE	7	1	0	4	3	0	0	0	0	0	1	0	0
	TOTAL	9	2	1	5	5	0	0	0	0	0	2	0	0
POP UNDER 1000	FATAL	8	3	0	2	5	2	0	0	0	0	3	0	0
	INJURY	192	68	33	53	35	22	2	0	0	1	91	1	4
	DAMAGE	280	65	21	55	57	35	1	0	0	0	105	0	3
	TOTAL	480	136	54	110	97	59	3	0	0	1	199	1	7
LEWIS CO	FATAL	4	1	1	0	2	2	0	0	0	0	0	0	0
	INJURY	80	27	14	29	12	5	3	1	1	1	37	1	0
	DAMAGE	143	24	3	28	34	5	0	2	0	0	29	0	1
	TOTAL	227	52	18	57	48	12	3	3	1	1	66	1	1
CANTON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	10	2	1	4	1	0	2	0	0	1	2	0	0
	DAMAGE	40	2	0	14	9	0	0	0	0	0	5	0	1
	TOTAL	50	4	1	18	10	0	2	0	0	1	7	0	1

TABLE 4.0.1

**2002 MISSOURI TRAFFIC CRASHES
COUNTY AND CITY SUMMARY¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UND 21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/OTH WK ZONE INV
LA GRANGE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	4	1	0	2	0	0	0	0	0	0	1	0	0
	TOTAL	4	1	0	2	0	0	0	0	0	0	1	0	0
POP UNDER 1000	FATAL	4	1	1	0	2	2	0	0	0	0	0	0	0
	INJURY	70	25	13	25	11	5	1	1	1	0	35	1	0
	DAMAGE	99	21	3	12	25	5	0	2	0	0	23	0	0
	TOTAL	173	47	17	37	38	12	1	3	1	0	58	1	0
LINCOLN CO	FATAL	10	3	1	5	3	0	0	0	1	0	2	0	0
	INJURY	245	67	19	84	52	19	9	0	1	6	76	0	0
	DAMAGE	637	91	15	186	145	23	0	8	0	2	128	1	14
	TOTAL	892	161	35	275	200	42	9	8	2	8	206	1	14
ELSBERRY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	3	1	0	1	0	0	1	0	0	1	1	0	0
	DAMAGE	4	0	0	2	2	0	0	0	0	0	0	0	0
	TOTAL	7	1	0	3	2	0	1	0	0	1	1	0	0
MOSCOW MILLS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	24	3	2	5	6	4	1	0	0	2	3	0	0
	DAMAGE	79	10	0	21	14	5	0	0	0	0	11	0	1
	TOTAL	103	13	2	26	20	9	1	0	0	2	14	0	1
TROY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	58	7	2	17	17	1	2	0	1	3	4	0	0
	DAMAGE	210	21	3	69	57	1	0	1	0	1	14	0	5
	TOTAL	268	28	5	86	74	2	2	1	1	4	18	0	5
POP UNDER 1000	FATAL	10	3	1	5	3	0	0	0	1	0	2	0	0
	INJURY	160	56	15	61	29	14	5	0	0	0	68	0	0
	DAMAGE	344	60	12	94	72	17	0	7	0	1	103	1	8
	TOTAL	514	119	28	160	104	31	5	7	1	1	173	1	8
LINN CO	FATAL	3	0	0	0	1	1	0	0	0	0	0	0	1
	INJURY	81	17	15	29	25	8	1	0	1	2	26	0	0
	DAMAGE	224	20	10	63	65	5	2	0	0	0	57	0	5
	TOTAL	308	37	25	92	91	14	3	0	1	2	83	0	6
BROOKFIELD	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	28	4	6	14	10	3	0	0	1	1	3	0	0
	DAMAGE	82	2	5	25	28	0	1	0	0	0	16	0	2
	TOTAL	110	6	11	39	38	3	1	0	1	1	19	0	2
MARCELINE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	4	1	0	0	3	0	0	0	0	1	0	0	0
	DAMAGE	26	1	2	10	9	0	1	0	0	0	5	0	2
	TOTAL	30	2	2	10	12	0	1	0	0	1	5	0	2
POP UNDER 1000	FATAL	3	0	0	0	1	1	0	0	0	0	0	0	1
	INJURY	49	12	9	15	12	5	1	0	0	0	23	0	0
	DAMAGE	117	17	3	28	28	5	0	0	0	0	37	0	1
	TOTAL	169	29	12	43	41	11	1	0	0	0	60	0	2
LIVINGSTON CO	FATAL	8	5	2	1	2	4	1	0	0	0	3	1	1
	INJURY	102	27	8	31	27	7	1	1	3	2	34	1	0
	DAMAGE	308	35	9	91	105	9	2	2	1	0	41	2	6
	TOTAL	418	67	19	123	134	20	4	3	4	2	78	4	7
CHILLICOTHE	FATAL	2	1	1	0	1	1	0	0	0	0	1	0	0
	INJURY	49	5	2	17	18	2	0	1	3	1	5	0	0
	DAMAGE	220	9	4	65	92	5	1	2	1	0	19	1	1
	TOTAL	271	15	7	82	111	8	1	3	4	1	25	1	1
POP UNDER 1000	FATAL	6	4	1	1	1	3	1	0	0	0	2	1	1
	INJURY	53	22	6	14	9	5	1	0	0	1	29	1	0
	DAMAGE	88	26	5	26	13	4	1	0	0	0	22	1	5
	TOTAL	147	52	12	41	23	12	3	0	0	1	53	3	6
MC DONALD CO	FATAL	10	10	3	1	1	1	1	0	0	0	9	0	0
	INJURY	246	108	51	69	52	46	11	2	1	2	103	1	1
	DAMAGE	400	129	35	101	84	37	2	1	1	0	126	1	1
	TOTAL	656	247	89	171	137	84	14	3	2	2	238	2	2
ANDERSON	FATAL	1	1	0	0	0	0	0	0	0	0	1	0	0
	INJURY	6	1	1	2	1	1	0	0	0	0	1	0	0
	DAMAGE	41	7	1	18	12	1	0	0	0	0	6	0	0
	TOTAL	48	9	2	20	13	2	0	0	0	0	8	0	0

TABLE 4.0.1

**2002 MISSOURI TRAFFIC CRASHES
COUNTY AND CITY SUMMARY¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UND 21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/ OTH WK ZONE INV
GOODMAN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	5	0	0	3	2	0	0	0	0	0	0	0	0
	TOTAL	5	0	0	3	2	0	0	0	0	0	0	0	0
NOEL	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	12	3	2	5	4	3	1	1	0	0	4	0	0
	DAMAGE	43	8	7	8	9	2	0	1	0	0	13	0	0
	TOTAL	55	11	9	13	13	5	1	2	0	0	17	0	0
POP UNDER 1000	FATAL	9	9	3	1	1	1	1	0	0	0	8	0	0
	INJURY	228	104	48	62	47	42	10	1	1	2	98	1	1
	DAMAGE	311	114	27	72	61	34	2	0	1	0	107	1	1
	TOTAL	548	227	78	135	109	77	13	1	2	2	213	2	2
MACON CO	FATAL	5	1	2	1	1	2	0	0	0	0	2	0	0
	INJURY	128	39	12	35	35	13	2	1	1	2	49	0	9
	DAMAGE	260	36	5	70	73	20	0	0	0	1	48	2	10
	TOTAL	393	76	19	106	109	35	2	1	1	3	99	2	19
LA PLATA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	0	0	0	0	1	0	0	0	0	0	0	0
	DAMAGE	5	0	0	0	3	0	0	0	0	0	1	0	0
	TOTAL	6	0	0	0	3	1	0	0	0	0	1	0	0
MACON	FATAL	1	0	0	0	0	1	0	0	0	0	0	0	0
	INJURY	33	7	3	9	14	1	2	1	0	2	4	0	2
	DAMAGE	93	5	1	29	37	3	0	0	0	1	6	0	1
	TOTAL	127	12	4	38	51	5	2	1	0	3	10	0	3
POP UNDER 1000	FATAL	4	1	2	1	1	1	0	0	0	0	2	0	0
	INJURY	94	32	9	26	21	11	0	0	1	0	45	0	7
	DAMAGE	162	31	4	41	33	17	0	0	0	0	41	2	9
	TOTAL	260	64	15	68	55	29	0	0	1	0	88	2	16
MADISON CO	FATAL	3	0	0	1	1	2	0	0	0	0	0	0	0
	INJURY	90	15	17	27	21	4	1	0	1	1	35	0	0
	DAMAGE	182	30	7	52	44	5	0	1	0	0	42	0	0
	TOTAL	275	45	24	80	66	11	1	1	1	1	77	0	0
FREDERICKTOWN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	23	2	2	10	7	1	0	0	1	1	2	0	0
	DAMAGE	78	7	2	28	25	2	0	1	0	0	10	0	0
	TOTAL	101	9	4	38	32	3	0	1	1	1	12	0	0
POP UNDER 1000	FATAL	3	0	0	1	1	2	0	0	0	0	0	0	0
	INJURY	67	13	15	17	14	3	1	0	0	0	33	0	0
	DAMAGE	104	23	5	24	19	3	0	0	0	0	32	0	0
	TOTAL	174	36	20	42	34	8	1	0	0	0	65	0	0
MARIES CO	FATAL	3	2	2	0	0	1	0	0	0	0	2	0	0
	INJURY	75	23	10	17	23	9	4	1	0	0	32	0	0
	DAMAGE	112	20	5	24	24	4	0	0	0	0	37	0	0
	TOTAL	190	45	17	41	47	14	4	1	0	0	71	0	0
BELLE / MAR	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	2	0	0	1	1	0	1	0	0	0	0	0	0
	DAMAGE	9	1	1	4	4	0	0	0	0	0	0	0	0
	TOTAL	11	1	1	5	5	0	1	0	0	0	0	0	0
POP UNDER 1000	FATAL	3	2	2	0	0	1	0	0	0	0	2	0	0
	INJURY	73	23	10	16	22	9	3	1	0	0	32	0	0
	DAMAGE	103	19	4	20	20	4	0	0	0	0	37	0	0
	TOTAL	179	44	16	36	42	14	3	1	0	0	71	0	0
MARION CO	FATAL	6	1	1	1	3	1	0	0	0	0	2	0	0
	INJURY	244	46	32	85	59	21	4	0	3	10	63	0	6
	DAMAGE	857	109	32	232	234	18	0	5	0	0	128	3	25
	TOTAL	1107	156	65	318	296	40	4	5	3	10	193	3	31
HANNIBAL / MAR	FATAL	1	0	0	0	0	0	0	0	0	0	1	0	0
	INJURY	153	22	15	57	40	8	4	0	2	10	28	0	2
	DAMAGE	617	62	23	172	162	9	0	4	0	0	73	1	6
	TOTAL	771	84	38	229	202	17	4	4	2	10	102	1	8
MONROE CITY / MAR	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	3	0	0	0	2	0	0	0	0	0	0	0	0
	TOTAL	3	0	0	0	2	0	0	0	0	0	0	0	0

TABLE 4.0.1

**2002 MISSOURI TRAFFIC CRASHES
COUNTY AND CITY SUMMARY¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UND 21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/OTH WK ZONE INV
PALMYRA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	8	1	2	5	3	0	0	0	0	0	2	0	0
	DAMAGE	55	3	1	21	20	0	0	1	0	0	5	0	0
	TOTAL	63	4	3	26	23	0	0	1	0	0	7	0	0
POP UNDER 1000	FATAL	5	1	1	1	3	1	0	0	0	0	1	0	0
	INJURY	83	23	15	23	16	13	0	0	1	0	33	0	4
	DAMAGE	182	44	8	39	50	9	0	0	0	0	50	2	19
	TOTAL	270	68	24	63	69	23	0	0	1	0	84	2	23
MERCER CO	FATAL	1	0	0	1	1	0	0	0	0	0	0	0	0
	INJURY	30	14	3	8	10	6	1	0	0	0	12	0	0
	DAMAGE	45	14	3	9	12	6	0	0	0	0	12	0	0
	TOTAL	76	28	6	18	23	12	1	0	0	0	24	0	0
PRINCETON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	3	2	0	3	0	0	0	0	0	0	1	0	0
	DAMAGE	14	0	1	3	6	1	0	0	0	0	0	0	0
	TOTAL	17	2	1	6	6	1	0	0	0	0	1	0	0
POP UNDER 1000	FATAL	1	0	0	1	1	0	0	0	0	0	0	0	0
	INJURY	27	12	3	5	10	6	1	0	0	0	11	0	0
	DAMAGE	31	14	2	6	6	5	0	0	0	0	12	0	0
	TOTAL	59	26	5	12	17	11	1	0	0	0	23	0	0
MILLER CO	FATAL	12	6	3	2	1	1	0	0	0	1	7	0	1
	INJURY	164	52	16	63	28	14	6	0	0	2	63	0	6
	DAMAGE	488	75	20	153	148	23	1	3	0	0	91	0	8
	TOTAL	664	133	39	218	177	38	7	3	0	3	161	0	15
ELDON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	29	6	1	11	8	3	1	0	0	1	3	0	0
	DAMAGE	155	13	7	57	55	2	1	1	0	0	20	0	4
	TOTAL	184	19	8	68	63	5	2	1	0	1	23	0	4
LAKE OZARK / MIL	FATAL	1	0	0	0	0	0	0	0	0	0	1	0	0
	INJURY	18	3	1	10	5	2	2	0	0	0	2	0	0
	DAMAGE	94	9	1	27	31	2	0	1	0	0	12	0	0
	TOTAL	113	12	2	37	36	4	2	1	0	0	15	0	0
OSAGE BEA / MIL	FATAL	1	1	0	0	0	0	0	0	0	0	0	0	1
	INJURY	12	4	1	7	3	0	1	0	0	0	2	0	4
	DAMAGE	15	0	1	7	6	0	0	0	0	0	2	0	2
	TOTAL	28	5	2	14	9	0	1	0	0	0	4	0	7
POP UNDER 1000	FATAL	10	5	3	2	1	1	0	0	0	1	6	0	0
	INJURY	105	39	13	35	12	9	2	0	0	1	56	0	2
	DAMAGE	224	53	11	62	56	19	0	1	0	0	57	0	2
	TOTAL	339	97	27	99	69	29	2	1	0	2	119	0	4
MISSISSIPPI CO	FATAL	3	1	0	0	0	0	0	0	0	0	1	0	0
	INJURY	99	29	17	25	27	10	1	0	0	2	33	1	1
	DAMAGE	240	46	12	50	65	14	0	4	0	0	54	0	1
	TOTAL	342	76	29	75	92	24	1	4	0	2	88	1	2
CHARLESTON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	18	3	0	2	9	2	0	0	0	1	3	1	0
	DAMAGE	68	5	0	13	20	2	0	1	0	0	7	0	0
	TOTAL	86	8	0	15	29	4	0	1	0	1	10	1	0
EAST PRAIRIE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	9	1	0	4	5	1	0	0	0	0	1	0	0
	DAMAGE	51	3	2	14	20	0	0	0	0	0	6	0	0
	TOTAL	60	4	2	18	25	1	0	0	0	0	7	0	0
POP UNDER 1000	FATAL	3	1	0	0	0	0	0	0	0	0	1	0	0
	INJURY	72	25	17	19	13	7	1	0	0	1	29	0	1
	DAMAGE	121	38	10	23	25	12	0	3	0	0	41	0	1
	TOTAL	196	64	27	42	38	19	1	3	0	1	71	0	2
MONITEAU CO	FATAL	3	1	0	2	0	0	0	0	0	0	2	0	0
	INJURY	93	30	10	32	19	9	2	1	1	2	35	0	0
	DAMAGE	268	46	13	90	64	8	2	0	0	1	54	0	1
	TOTAL	364	77	23	124	83	17	4	1	1	3	91	0	1
CALIFORNIA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	17	2	1	8	5	1	0	0	1	0	1	0	0
	DAMAGE	129	7	6	53	34	0	2	0	0	1	5	0	0
	TOTAL	146	9	7	61	39	1	2	0	1	1	6	0	0

TABLE 4.0.1

**2002 MISSOURI TRAFFIC CRASHES
COUNTY AND CITY SUMMARY¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UND 21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/ OTH WK ZONE INV
TIPTON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	11	0	2	6	1	1	1	0	0	0	3	0	0
	DAMAGE	32	0	1	11	8	0	0	0	0	0	1	0	1
	TOTAL	43	0	3	17	9	1	1	0	0	0	4	0	1
POP UNDER 1000	FATAL	3	1	0	2	0	0	0	0	0	0	2	0	0
	INJURY	65	28	7	18	13	7	1	1	0	2	31	0	0
	DAMAGE	107	39	6	26	22	8	0	0	0	0	48	0	0
	TOTAL	175	68	13	46	35	15	1	1	0	2	81	0	0
MONROE CO	FATAL	4	1	1	0	2	0	0	0	0	0	1	0	0
	INJURY	68	18	9	20	13	6	1	0	0	3	28	0	0
	DAMAGE	148	14	6	38	32	3	0	0	0	0	30	0	0
	TOTAL	220	33	16	58	47	9	1	0	0	3	59	0	0
MONROE CITY / MON	FATAL	1	0	0	0	1	0	0	0	0	0	0	0	0
	INJURY	13	2	1	6	1	1	0	0	0	2	2	0	0
	DAMAGE	29	3	1	11	7	1	0	0	0	0	6	0	0
	TOTAL	43	5	2	17	9	2	0	0	0	2	8	0	0
PARIS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	3	0	1	1	0	0	0	0	0	0	1	0	0
	DAMAGE	24	3	1	3	10	0	0	0	0	0	2	0	0
	TOTAL	27	3	2	4	10	0	0	0	0	0	3	0	0
POP UNDER 1000	FATAL	3	1	1	0	1	0	0	0	0	0	1	0	0
	INJURY	52	16	7	13	12	5	1	0	0	1	25	0	0
	DAMAGE	95	8	4	24	15	2	0	0	0	0	22	0	0
	TOTAL	150	25	12	37	28	7	1	0	0	1	48	0	0
MONTGOMERY CO	FATAL	5	2	2	1	3	1	0	0	0	0	4	0	0
	INJURY	121	60	11	31	26	15	2	0	0	1	47	0	2
	DAMAGE	298	105	11	68	75	23	3	2	0	0	90	0	3
	TOTAL	424	167	24	100	104	39	5	2	0	1	141	0	5
MONTGOMERY CITY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	8	1	0	3	2	1	0	0	0	0	1	0	0
	DAMAGE	38	1	1	12	16	0	1	1	0	0	6	0	0
	TOTAL	46	2	1	15	18	1	1	1	0	0	7	0	0
WELLSVILLE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	1	0	0	0	1	0	0	0	0	0	0	0	0
	TOTAL	1	0	0	0	1	0	0	0	0	0	0	0	0
POP UNDER 1000	FATAL	5	2	2	1	3	1	0	0	0	0	4	0	0
	INJURY	113	59	11	28	24	14	2	0	0	1	46	0	2
	DAMAGE	259	104	10	56	58	23	2	1	0	0	84	0	3
	TOTAL	377	165	23	85	85	38	4	1	0	1	134	0	5
MORGAN CO	FATAL	8	5	4	3	2	1	0	0	1	1	4	0	0
	INJURY	143	57	28	40	35	4	7	1	1	2	67	0	2
	DAMAGE	328	77	13	86	97	10	2	5	1	1	112	0	1
	TOTAL	479	139	45	129	134	15	9	6	3	4	183	0	3
VERSAILLES	FATAL	1	1	0	1	0	0	0	0	0	0	0	0	0
	INJURY	13	2	0	4	8	0	0	0	0	0	1	0	0
	DAMAGE	82	6	2	29	30	0	1	0	1	1	14	0	0
	TOTAL	96	9	2	34	38	0	1	0	1	1	15	0	0
POP UNDER 1000	FATAL	7	4	4	2	2	1	0	0	1	1	4	0	0
	INJURY	130	55	28	36	27	4	7	1	1	2	66	0	2
	DAMAGE	246	71	11	57	67	10	1	5	0	0	98	0	1
	TOTAL	383	130	43	95	96	15	8	6	2	3	168	0	3
NEW MADRID CO	FATAL	6	4	2	4	0	0	0	0	0	0	5	0	0
	INJURY	182	47	28	49	40	26	2	0	1	5	60	1	2
	DAMAGE	402	59	18	92	128	23	1	4	1	0	55	2	10
	TOTAL	590	110	48	145	168	49	3	4	2	5	120	3	12
GIDEON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	2	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL	2	0	0	0	0	0	0	0	0	0	0	0	0
LILBOURN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	3	0	1	2	1	0	0	0	0	0	0	0	0
	DAMAGE	14	0	0	3	7	0	0	0	0	0	0	0	1
	TOTAL	17	0	1	5	8	0	0	0	0	0	0	0	1

TABLE 4.0.1

**2002 MISSOURI TRAFFIC CRASHES
COUNTY AND CITY SUMMARY¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UND 21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/ OTH WK ZONE INV
MOREHOUSE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	1	0	0	1	1	0	0	0	0	0	0	0	0
	TOTAL	1	0	0	1	1	0	0	0	0	0	0	0	0
NEW MADRID	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	10	2	2	4	3	2	1	0	0	0	4	0	0
	DAMAGE	52	7	7	19	12	0	0	0	0	0	5	0	1
	TOTAL	62	9	9	23	15	2	1	0	0	0	9	0	1
PORTAGEVILLE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	13	1	0	7	2	0	0	0	1	2	1	0	0
	DAMAGE	46	3	1	15	16	1	0	0	1	0	4	0	0
	TOTAL	59	4	1	22	18	1	0	0	2	2	5	0	0
SIKESTON / NEW	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	30	4	1	7	11	2	0	0	0	1	6	0	1
	DAMAGE	96	11	2	20	37	3	0	0	0	0	11	0	5
	TOTAL	126	15	3	27	48	5	0	0	0	1	17	0	6
POP UNDER 1000	FATAL	6	4	2	4	0	0	0	0	0	0	5	0	0
	INJURY	126	40	24	29	23	22	1	0	0	2	49	1	1
	DAMAGE	191	38	8	34	55	19	1	4	0	0	35	2	3
	TOTAL	323	82	34	67	78	41	2	4	0	2	89	3	4
NEWTON CO	FATAL	16	5	5	2	3	3	0	0	0	0	10	0	0
	INJURY	450	131	51	154	115	32	16	0	2	5	158	0	2
	DAMAGE	880	177	35	264	225	37	3	6	0	0	219	0	5
	TOTAL	1346	313	91	420	343	72	19	6	2	5	387	0	7
GRANBY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	7	2	0	4	0	0	1	0	0	0	1	0	0
	DAMAGE	20	3	1	6	6	0	0	1	0	0	6	0	0
	TOTAL	27	5	1	10	6	0	1	1	0	0	7	0	0
JOPLIN / NEW	FATAL	3	0	1	0	1	2	0	0	0	0	1	0	0
	INJURY	76	13	7	25	31	7	3	0	0	2	9	0	1
	DAMAGE	172	19	5	45	56	5	1	1	0	0	20	0	0
	TOTAL	251	32	13	70	88	14	4	1	0	2	30	0	1
NEOSHO	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	77	14	6	31	23	1	2	0	1	0	13	0	0
	DAMAGE	239	34	11	89	70	6	1	1	0	0	36	0	0
	TOTAL	316	48	17	120	93	7	3	1	1	0	49	0	0
SENECA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	4	0	0	0	2	1	0	0	0	0	1	0	0
	DAMAGE	32	0	0	12	10	0	0	1	0	0	3	0	0
	TOTAL	36	0	0	12	12	1	0	1	0	0	4	0	0
POP UNDER 1000	FATAL	13	5	4	2	2	1	0	0	0	0	9	0	0
	INJURY	286	102	38	94	59	23	10	0	1	3	134	0	1
	DAMAGE	417	121	18	112	83	26	1	2	0	0	154	0	5
	TOTAL	716	228	60	208	144	50	11	2	1	3	297	0	6
NODAWAY CO	FATAL	2	0	1	1	0	1	0	0	0	0	1	0	1
	INJURY	124	28	11	50	33	10	2	0	2	3	38	0	8
	DAMAGE	328	38	9	132	80	9	1	2	0	0	48	1	7
	TOTAL	454	66	21	183	113	20	3	2	2	3	87	1	16
MARYVILLE	FATAL	1	0	0	1	0	1	0	0	0	0	0	0	1
	INJURY	36	4	1	16	15	0	1	0	1	2	2	0	0
	DAMAGE	230	14	7	104	59	4	0	2	0	0	14	0	1
	TOTAL	267	18	8	121	74	5	1	2	1	2	16	0	2
POP UNDER 1000	FATAL	1	0	1	0	0	0	0	0	0	0	1	0	0
	INJURY	88	24	10	34	18	10	1	0	1	1	36	0	8
	DAMAGE	98	24	2	28	21	5	1	0	0	0	34	1	6
	TOTAL	187	48	13	62	39	15	2	0	1	1	71	1	14
OREGON CO	FATAL	5	0	1	0	1	2	0	0	0	0	1	0	0
	INJURY	70	25	10	13	19	9	2	0	0	0	34	0	2
	DAMAGE	125	27	7	44	33	9	1	0	0	0	33	0	9
	TOTAL	200	52	18	57	53	20	3	0	0	0	68	0	11
THAYER	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	7	0	1	1	3	2	0	0	0	0	1	0	1
	DAMAGE	38	7	2	14	14	1	1	0	0	0	3	0	6
	TOTAL	45	7	3	15	17	3	1	0	0	0	4	0	7

TABLE 4.0.1

**2002 MISSOURI TRAFFIC CRASHES
COUNTY AND CITY SUMMARY¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UND 21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/ OTH WK ZONE INV
POP UNDER 1000	FATAL	5	0	1	0	1	2	0	0	0	0	1	0	0
	INJURY	63	25	9	12	16	7	2	0	0	0	33	0	1
	DAMAGE	87	20	5	30	19	8	0	0	0	0	30	0	3
	TOTAL	155	45	15	42	36	17	2	0	0	0	64	0	4
OSAGE CO	FATAL	6	2	1	2	1	0	0	0	0	0	3	0	0
	INJURY	91	29	18	34	25	14	2	1	0	0	31	0	2
	DAMAGE	169	57	13	57	43	11	0	1	0	0	51	0	1
	TOTAL	266	88	32	93	69	25	2	2	0	0	85	0	3
BELLE / OSA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	1	0	0	0	1	0	0	0	0	0	0	0	0
	TOTAL	1	0	0	0	1	0	0	0	0	0	0	0	0
LINN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	12	3	0	8	7	0	0	1	0	0	1	0	0
	DAMAGE	34	10	0	12	14	0	0	0	0	0	3	0	0
	TOTAL	46	13	0	20	21	0	0	1	0	0	4	0	0
POP UNDER 1000	FATAL	6	2	1	2	1	0	0	0	0	0	3	0	0
	INJURY	79	26	18	26	18	14	2	0	0	0	30	0	2
	DAMAGE	134	47	13	45	28	11	0	1	0	0	48	0	1
	TOTAL	219	75	32	73	47	25	2	1	0	0	81	0	3
OZARK CO	FATAL	6	2	2	1	0	1	0	0	0	0	3	0	0
	INJURY	60	21	17	10	16	5	3	1	0	2	33	0	0
	DAMAGE	87	16	6	17	26	2	0	0	1	0	33	0	0
	TOTAL	153	39	25	28	42	8	3	1	1	2	69	0	0
POP UNDER 1000	FATAL	6	2	2	1	0	1	0	0	0	0	3	0	0
	INJURY	60	21	17	10	16	5	3	1	0	2	33	0	0
	DAMAGE	87	16	6	17	26	2	0	0	1	0	33	0	0
	TOTAL	153	39	25	28	42	8	3	1	1	2	69	0	0
PEMISCOT CO	FATAL	8	2	4	2	1	3	0	0	0	2	4	0	0
	INJURY	186	49	24	38	45	19	4	1	0	4	62	0	9
	DAMAGE	430	67	26	106	103	33	0	2	1	0	107	1	18
	TOTAL	624	118	54	146	149	55	4	3	1	6	173	1	27
CARUTHERSVILLE	FATAL	1	1	1	1	0	0	0	0	0	0	1	0	0
	INJURY	22	2	1	7	7	0	2	0	0	3	1	0	2
	DAMAGE	107	9	5	45	30	0	0	1	1	0	16	0	0
	TOTAL	130	12	7	53	37	0	2	1	1	3	18	0	2
HAYTI	FATAL	1	0	1	0	0	0	0	0	0	1	0	0	0
	INJURY	28	3	0	6	10	2	0	0	0	0	2	0	0
	DAMAGE	81	7	3	20	26	4	0	0	0	0	7	0	1
	TOTAL	110	10	4	26	36	6	0	0	0	1	9	0	1
STEELE	FATAL	1	1	1	0	0	0	0	0	0	0	1	0	0
	INJURY	7	3	0	0	1	0	0	0	0	0	3	0	0
	DAMAGE	36	4	1	13	8	0	0	0	0	0	4	0	0
	TOTAL	44	8	2	13	9	0	0	0	0	0	8	0	0
POP UNDER 1000	FATAL	5	0	1	1	1	3	0	0	0	1	2	0	0
	INJURY	129	41	23	25	27	17	2	1	0	1	56	0	7
	DAMAGE	206	47	17	28	39	29	0	1	0	0	80	1	17
	TOTAL	340	88	41	54	67	49	2	2	0	2	138	1	24
PERRY CO	FATAL	2	1	1	1	0	0	0	0	0	0	2	0	0
	INJURY	157	54	11	55	54	15	5	0	1	2	46	0	0
	DAMAGE	436	80	19	124	118	14	0	2	1	0	91	1	2
	TOTAL	595	135	31	180	172	29	5	2	2	2	139	1	2
PERRYVILLE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	71	16	4	26	30	6	4	0	1	2	6	0	0
	DAMAGE	224	27	11	75	71	6	0	2	1	0	18	0	2
	TOTAL	295	43	15	101	101	12	4	2	2	2	24	0	2
POP UNDER 1000	FATAL	2	1	1	1	0	0	0	0	0	0	2	0	0
	INJURY	86	38	7	29	24	9	1	0	0	0	40	0	0
	DAMAGE	212	53	8	49	47	8	0	0	0	0	73	1	0
	TOTAL	300	92	16	79	71	17	1	0	0	0	115	1	0
PETTIS CO	FATAL	5	1	0	2	1	1	0	0	0	0	1	0	0
	INJURY	421	83	42	149	115	29	14	2	4	10	111	0	0
	DAMAGE	968	141	33	317	264	24	10	6	6	0	141	2	3
	TOTAL	1394	225	75	468	380	54	24	8	10	10	253	2	3

TABLE 4.0.1

**2002 MISSOURI TRAFFIC CRASHES
COUNTY AND CITY SUMMARY¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UND 21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/OTH WK ZONE INV
LA MONTE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	2	0	1	0	1	0	0	0	0	0	0	0	0
	DAMAGE	11	1	2	2	0	0	0	0	1	0	3	0	0
	TOTAL	13	1	3	2	1	0	0	0	1	0	3	0	0
SEDALIA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	253	27	21	106	87	17	7	2	4	8	22	0	0
	DAMAGE	716	79	24	251	209	7	7	4	5	0	56	2	2
	TOTAL	969	106	45	357	296	24	14	6	9	8	78	2	2
WINDSOR / PET	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	0	0	0	0	1	0	0	0	0	0	0	0
	DAMAGE	0	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL	1	0	0	0	0	1	0	0	0	0	0	0	0
POP UNDER 1000	FATAL	5	1	0	2	1	1	0	0	0	0	1	0	0
	INJURY	165	56	20	43	27	11	7	0	0	2	89	0	0
	DAMAGE	241	61	7	64	55	17	3	2	0	0	82	0	1
	TOTAL	411	118	27	109	83	29	10	2	0	2	172	0	1
PHELPS CO	FATAL	12	8	1	3	2	1	0	0	0	2	3	0	0
	INJURY	440	122	32	139	102	56	11	4	4	5	148	0	1
	DAMAGE	1161	221	30	321	302	58	2	5	0	0	248	1	16
	TOTAL	1613	351	63	463	406	115	13	9	4	7	399	1	17
ROLLA	FATAL	1	1	1	0	0	1	0	0	0	0	0	0	0
	INJURY	192	17	11	65	57	13	3	2	4	2	20	0	0
	DAMAGE	627	56	15	211	190	12	2	4	0	0	73	1	10
	TOTAL	820	74	27	276	247	26	5	6	4	2	93	1	10
ST. JAMES	FATAL	1	1	0	0	0	0	0	0	0	1	0	0	0
	INJURY	32	13	4	11	5	7	0	0	0	1	5	0	0
	DAMAGE	78	15	0	22	29	10	0	0	0	0	4	0	2
	TOTAL	111	29	4	33	34	17	0	0	0	2	9	0	2
POP UNDER 1000	FATAL	10	6	0	3	2	0	0	0	0	1	3	0	0
	INJURY	216	92	17	63	40	36	8	2	0	2	123	0	1
	DAMAGE	456	150	15	88	83	36	0	1	0	0	171	0	4
	TOTAL	682	248	32	154	125	72	8	3	0	3	297	0	5
PIKE CO	FATAL	4	1	2	2	0	0	1	0	0	0	4	0	0
	INJURY	98	26	12	43	19	10	2	1	2	6	28	2	0
	DAMAGE	215	33	7	52	67	13	1	3	0	0	48	0	2
	TOTAL	317	60	21	97	86	23	4	4	2	6	80	2	2
BOWLING GREEN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	18	2	1	5	8	2	0	0	1	2	0	1	0
	DAMAGE	53	4	1	20	22	0	0	0	0	0	6	0	0
	TOTAL	71	6	2	25	30	2	0	0	1	2	6	1	0
LOUISIANA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	24	7	5	13	5	0	0	0	1	3	3	0	0
	DAMAGE	53	5	0	12	20	4	0	1	0	0	3	0	0
	TOTAL	77	12	5	25	25	4	0	1	1	3	6	0	0
POP UNDER 1000	FATAL	4	1	2	2	0	0	1	0	0	0	4	0	0
	INJURY	56	17	6	25	6	8	2	1	0	1	25	1	0
	DAMAGE	109	24	6	20	25	9	1	2	0	0	39	0	2
	TOTAL	169	42	14	47	31	17	4	3	0	1	68	1	2
PLATTE CO	FATAL	10	3	3	3	5	1	0	0	0	1	3	0	0
	INJURY	539	158	59	159	96	25	27	1	2	11	157	0	11
	DAMAGE	2009	312	50	442	333	42	6	9	1	2	318	5	28
	TOTAL	2558	473	112	604	434	68	33	10	3	14	478	5	39
KANSAS CITY / PLA	FATAL	2	1	1	0	0	0	0	0	0	0	1	0	0
	INJURY	282	72	22	84	47	8	9	1	1	10	50	0	7
	DAMAGE	1243	162	24	269	194	23	2	5	0	2	138	0	22
	TOTAL	1527	235	47	353	241	31	11	6	1	12	189	0	29
PARKVILLE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	27	4	2	10	12	0	0	0	0	0	8	0	0
	DAMAGE	114	19	7	29	12	1	0	2	0	0	22	0	0
	TOTAL	141	23	9	39	24	1	0	2	0	0	30	0	0
PLATTE CITY	FATAL	1	0	0	0	1	0	0	0	0	0	1	0	0
	INJURY	22	4	1	10	5	1	0	0	0	1	3	0	0
	DAMAGE	76	10	1	23	20	3	0	0	0	0	8	0	1
	TOTAL	99	14	2	33	26	4	0	0	0	1	12	0	1

TABLE 4.0.1

**2002 MISSOURI TRAFFIC CRASHES
COUNTY AND CITY SUMMARY¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UND 21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/ OTH WK ZONE INV
RIVERSIDE	FATAL	1	0	1	0	1	0	0	0	0	0	1	0	0
	INJURY	37	7	4	7	5	4	2	0	1	0	13	0	2
	DAMAGE	119	27	6	24	23	2	1	1	0	0	33	2	1
	TOTAL	157	34	11	31	29	6	3	1	1	0	47	2	3
WEATHERBY LAKE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	4	2	0	1	2	0	0	0	0	0	1	0	0
	TOTAL	4	2	0	1	2	0	0	0	0	0	1	0	0
WESTON	FATAL	1	0	0	1	1	0	0	0	0	0	0	0	0
	INJURY	7	4	2	2	0	0	3	0	0	0	1	0	0
	DAMAGE	23	2	0	7	4	1	0	0	0	0	3	1	0
	TOTAL	31	6	2	10	5	1	3	0	0	0	4	1	0
POP UNDER 1000	FATAL	5	2	1	2	2	1	0	0	0	1	0	0	0
	INJURY	164	67	28	46	27	12	13	0	0	0	82	0	2
	DAMAGE	430	90	12	89	78	12	3	1	1	0	113	2	4
	TOTAL	599	159	41	137	107	25	16	1	1	1	195	2	6
POLK CO	FATAL	15	4	2	2	4	3	0	0	1	1	3	0	1
	INJURY	226	80	15	69	71	12	2	0	0	4	82	0	2
	DAMAGE	516	116	22	155	145	15	1	2	0	0	122	0	3
	TOTAL	757	200	39	226	220	30	3	2	1	5	207	0	6
BOLIVAR	FATAL	1	0	0	0	1	0	0	0	0	1	0	0	0
	INJURY	45	3	2	15	17	2	0	0	0	2	2	0	0
	DAMAGE	201	17	3	78	71	3	0	2	0	0	6	0	0
	TOTAL	247	20	5	93	89	5	0	2	0	3	8	0	0
POP UNDER 1000	FATAL	14	4	2	2	3	3	0	0	1	0	3	0	1
	INJURY	181	77	13	54	54	10	2	0	0	2	80	0	2
	DAMAGE	315	99	19	77	74	12	1	0	0	0	116	0	3
	TOTAL	510	180	34	133	131	25	3	0	1	2	199	0	6
PULASKI CO	FATAL	4	2	3	1	0	1	0	0	0	1	2	0	0
	INJURY	236	68	32	73	53	19	14	2	1	6	82	0	1
	DAMAGE	715	106	31	206	127	27	4	5	0	0	199	0	1
	TOTAL	955	176	66	280	180	47	18	7	1	7	283	0	2
CROCKER	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	3	0	0	2	0	0	0	0	0	0	1	0	0
	DAMAGE	19	1	0	5	4	0	0	0	0	0	5	0	0
	TOTAL	22	1	0	7	4	0	0	0	0	0	6	0	0
DIXON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	13	4	1	4	5	1	0	0	0	3	2	0	0
	DAMAGE	33	6	0	13	9	0	0	0	0	0	6	0	0
	TOTAL	46	10	1	17	14	1	0	0	0	3	8	0	0
RICHLAND / PUL	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	8	2	0	2	2	1	1	0	0	1	1	0	0
	DAMAGE	27	1	2	4	8	1	0	0	0	0	4	0	0
	TOTAL	35	3	2	6	10	2	1	0	0	1	5	0	0
ST. ROBERT	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	73	15	9	16	18	9	3	1	1	1	10	0	0
	DAMAGE	231	23	7	78	38	5	2	1	0	0	38	0	1
	TOTAL	304	38	16	94	56	14	5	2	1	1	48	0	1
WAYNESVILLE	FATAL	1	0	0	0	0	1	0	0	0	0	0	0	0
	INJURY	22	7	2	9	9	2	1	0	0	1	4	0	0
	DAMAGE	92	7	0	30	21	4	0	4	0	0	16	0	0
	TOTAL	115	14	2	39	30	7	1	4	0	1	20	0	0
POP UNDER 1000	FATAL	3	2	3	1	0	0	0	0	0	1	2	0	0
	INJURY	117	40	20	40	19	6	9	1	0	0	64	0	1
	DAMAGE	315	68	22	76	47	18	2	0	0	0	130	0	0
	TOTAL	435	110	45	117	66	24	11	1	0	1	196	0	1
PUTNAM CO	FATAL	1	1	0	0	0	0	0	0	0	0	0	0	0
	INJURY	26	10	6	7	4	3	1	0	0	0	16	0	0
	DAMAGE	62	8	5	18	17	3	0	0	0	0	17	0	0
	TOTAL	89	19	11	25	21	6	1	0	0	0	33	0	0
UNIONVILLE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	3	0	1	0	1	2	0	0	0	0	1	0	0
	DAMAGE	29	1	4	9	10	0	0	0	0	0	4	0	0
	TOTAL	32	1	5	9	11	2	0	0	0	0	5	0	0

TABLE 4.0.1

**2002 MISSOURI TRAFFIC CRASHES
COUNTY AND CITY SUMMARY¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UND 21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/ OTH WK ZONE INV
POP UNDER 1000	FATAL	1	1	0	0	0	0	0	0	0	0	0	0	0
	INJURY	23	10	5	7	3	1	1	0	0	0	15	0	0
	DAMAGE	33	7	1	9	7	3	0	0	0	0	13	0	0
	TOTAL	57	18	6	16	10	4	1	0	0	0	28	0	0
RALLS CO	FATAL	1	1	1	0	0	0	0	0	0	0	1	0	0
	INJURY	94	40	15	32	17	13	3	1	1	1	47	0	0
	DAMAGE	151	39	7	30	31	11	3	1	0	0	47	0	1
	TOTAL	246	80	23	62	48	24	6	2	1	1	95	0	1
HANNIBAL / RAL	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	1	0	0	0	0	0	0	0	0	1	0	0
	DAMAGE	12	2	0	2	1	2	0	0	0	0	2	0	0
	TOTAL	13	3	0	2	1	2	0	0	0	0	3	0	0
MONROE CITY / RAL	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	2	1	0	0	1	0	0	0	0	0	0	0	1
	TOTAL	2	1	0	0	1	0	0	0	0	0	0	0	1
NEW LONDON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	0	0	1	0	0	0	0	0	0	0	0	0
	DAMAGE	4	0	1	1	1	0	0	0	0	0	1	0	0
	TOTAL	5	0	1	2	1	0	0	0	0	0	1	0	0
POP UNDER 1000	FATAL	1	1	1	0	0	0	0	0	0	0	1	0	0
	INJURY	92	39	15	31	17	13	3	1	1	1	46	0	0
	DAMAGE	133	36	6	27	28	9	3	1	0	0	44	0	0
	TOTAL	226	76	22	58	45	22	6	2	1	1	91	0	0
RANDOLPH CO	FATAL	1	1	0	0	0	0	0	0	0	0	0	0	0
	INJURY	226	47	20	86	53	10	5	0	6	7	53	0	5
	DAMAGE	577	93	22	179	159	4	1	1	0	0	85	0	3
	TOTAL	804	141	42	265	212	14	6	1	6	7	138	0	8
HUNTSVILLE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	0	0	0	1	0	0	0	0	0	0	0	0
	DAMAGE	3	0	0	2	1	0	0	0	0	0	0	0	0
	TOTAL	4	0	0	2	2	0	0	0	0	0	0	0	0
MOBERLY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	129	10	4	54	36	7	1	0	6	6	13	0	4
	DAMAGE	384	36	9	122	120	0	1	0	0	0	43	0	1
	TOTAL	513	46	13	176	156	7	2	0	6	6	56	0	5
POP UNDER 1000	FATAL	1	1	0	0	0	0	0	0	0	0	0	0	0
	INJURY	96	37	16	32	16	3	4	0	0	1	40	0	1
	DAMAGE	190	57	13	55	38	4	0	1	0	0	42	0	2
	TOTAL	287	95	29	87	54	7	4	1	0	1	82	0	3
RAY CO	FATAL	6	3	1	3	1	2	0	0	0	0	3	0	0
	INJURY	145	58	27	46	21	13	4	2	2	1	71	0	0
	DAMAGE	295	71	18	107	74	14	1	2	0	0	82	1	4
	TOTAL	446	132	46	156	96	29	5	4	2	1	156	1	4
EXCELSIOR SPRINGS / RAY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	4	1	2	1	1	0	0	0	0	0	3	0	0
	DAMAGE	6	0	0	4	1	0	0	0	0	0	1	0	0
	TOTAL	10	1	2	5	2	0	0	0	0	0	4	0	0
LAWSON / RAY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	3	1	0	2	0	0	0	0	0	0	1	0	0
	DAMAGE	25	2	2	12	7	0	0	0	0	0	3	0	0
	TOTAL	28	3	2	14	7	0	0	0	0	0	4	0	0
RICHMOND	FATAL	2	1	0	1	1	1	0	0	0	0	1	0	0
	INJURY	18	1	1	6	3	0	0	0	1	0	2	0	0
	DAMAGE	88	3	3	39	28	3	0	2	0	0	7	0	0
	TOTAL	108	5	4	46	32	4	0	2	1	0	10	0	0
POP UNDER 1000	FATAL	4	2	1	2	0	1	0	0	0	0	2	0	0
	INJURY	120	55	24	37	17	13	4	2	1	1	65	0	0
	DAMAGE	176	66	13	52	38	11	1	0	0	0	71	1	4
	TOTAL	300	123	38	91	55	25	5	2	1	1	138	1	4
REYNOLDS CO	FATAL	3	2	0	1	1	1	0	0	0	0	1	0	0
	INJURY	62	31	10	15	14	4	2	0	0	0	41	0	0
	DAMAGE	66	22	7	13	14	6	0	1	0	0	21	2	0
	TOTAL	131	55	17	29	29	11	2	1	0	0	63	2	0

TABLE 4.0.1

**2002 MISSOURI TRAFFIC CRASHES
COUNTY AND CITY SUMMARY¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UND 21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/ OTH WK ZONE INV
POP UNDER 1000	FATAL	3	2	0	1	1	1	0	0	0	0	1	0	0
	INJURY	62	31	10	15	14	4	2	0	0	0	41	0	0
	DAMAGE	66	22	7	13	14	6	0	1	0	0	21	2	0
	TOTAL	131	55	17	29	29	11	2	1	0	0	63	2	0
RIPLEY CO	FATAL	5	3	2	2	0	0	0	0	0	0	3	0	0
	INJURY	106	31	13	39	24	6	2	1	0	1	48	0	0
	DAMAGE	190	43	11	59	51	4	0	1	0	0	55	0	1
	TOTAL	301	77	26	100	75	10	2	2	0	1	106	0	1
DONIPHAN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	15	0	2	3	5	1	0	0	0	1	1	0	0
	DAMAGE	62	4	0	21	28	0	0	1	0	0	4	0	0
	TOTAL	77	4	2	24	33	1	0	1	0	1	5	0	0
POP UNDER 1000	FATAL	5	3	2	2	0	0	0	0	0	0	3	0	0
	INJURY	91	31	11	36	19	5	2	1	0	0	47	0	0
	DAMAGE	128	39	11	38	23	4	0	0	0	0	51	0	1
	TOTAL	224	73	24	76	42	9	2	1	0	0	101	0	1
ST. CHARLES CO	FATAL	23	7	6	3	7	5	3	0	0	1	8	0	1
	INJURY	1893	379	136	713	427	137	68	16	31	49	336	1	99
	DAMAGE	6789	1064	203	2192	1564	185	19	64	2	3	956	7	489
	TOTAL	8705	1450	345	2908	1998	327	90	80	33	53	1300	8	589
COTTLEVILLE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	32	7	3	22	5	1	0	1	0	0	5	0	1
	DAMAGE	124	45	1	64	12	5	0	2	0	0	53	0	3
	TOTAL	156	52	4	86	17	6	0	3	0	0	58	0	4
DARDENNE PRAIRIE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	2	1	0	1	0	0	0	0	0	0	2	0	0
	DAMAGE	6	2	0	2	1	0	0	0	0	0	2	0	1
	TOTAL	8	3	0	3	1	0	0	0	0	0	4	0	1
LAKE ST. LOUIS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	53	8	3	15	14	4	1	0	2	0	11	0	2
	DAMAGE	216	37	8	62	41	19	1	1	0	0	38	0	4
	TOTAL	269	45	11	77	55	23	2	1	2	0	49	0	6
O'FALLON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	399	68	21	158	79	28	9	3	3	7	34	1	5
	DAMAGE	1159	172	26	381	266	23	0	12	1	1	132	0	14
	TOTAL	1558	240	47	539	345	51	9	15	4	8	166	1	19
ST. CHARLES	FATAL	3	1	2	0	2	1	0	0	0	0	0	0	0
	INJURY	348	60	40	120	102	19	11	1	6	16	49	0	8
	DAMAGE	1797	222	68	534	477	43	6	6	0	2	170	1	41
	TOTAL	2148	283	110	654	581	63	17	7	6	18	219	1	49
ST. PAUL	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	3	1	1	2	1	1	0	0	0	1	0	0	0
	DAMAGE	2	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL	5	1	1	2	1	1	0	0	0	1	0	0	0
ST. PETERS	FATAL	6	3	0	0	1	2	1	0	0	1	4	0	0
	INJURY	461	59	18	195	106	22	14	1	8	11	41	0	26
	DAMAGE	1477	178	32	564	362	27	5	22	1	0	149	2	100
	TOTAL	1944	240	50	759	469	51	20	23	9	12	194	2	126
WELDON SPRING	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	14	4	1	2	3	0	1	1	0	0	4	0	7
	DAMAGE	47	10	0	21	6	0	0	0	0	0	10	0	15
	TOTAL	61	14	1	23	9	0	1	1	0	0	14	0	22
WENTZVILLE	FATAL	2	1	1	0	2	0	0	0	0	0	1	0	0
	INJURY	111	22	2	28	30	11	3	0	2	4	26	0	22
	DAMAGE	477	62	11	103	114	20	1	3	0	0	88	2	131
	TOTAL	590	85	14	131	146	31	4	3	2	4	115	2	153
POP UNDER 1000	FATAL	12	2	3	3	2	2	2	0	0	0	3	0	1
	INJURY	470	149	47	170	87	51	29	9	10	10	164	0	28
	DAMAGE	1484	336	57	461	285	48	6	18	0	0	314	2	180
	TOTAL	1966	487	107	634	374	101	37	27	10	10	481	2	209
ST. CLAIR CO	FATAL	4	1	1	0	3	1	0	0	0	0	1	0	0
	INJURY	93	27	10	27	26	5	6	0	1	1	45	0	0
	DAMAGE	151	27	5	32	40	4	0	0	0	0	45	0	0
	TOTAL	248	55	16	59	69	10	6	0	1	1	91	0	0

TABLE 4.0.1

**2002 MISSOURI TRAFFIC CRASHES
COUNTY AND CITY SUMMARY¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UND 21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/OTH WK ZONE INV
APPLETON CITY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	0	0	1	0	0	0	0	0	0	0	0	0
	DAMAGE	9	0	1	4	4	0	0	0	0	0	3	0	0
	TOTAL	10	0	1	5	4	0	0	0	0	0	3	0	0
POP UNDER 1000	FATAL	4	1	1	0	3	1	0	0	0	0	1	0	0
	INJURY	92	27	10	26	26	5	6	0	1	1	45	0	0
	DAMAGE	142	27	4	28	36	4	0	0	0	0	42	0	0
	TOTAL	238	55	15	54	65	10	6	0	1	1	88	0	0
ST. FRANCOIS CO	FATAL	18	4	2	6	6	1	0	0	0	0	6	0	1
	INJURY	422	116	33	143	109	16	9	0	6	2	148	1	11
	DAMAGE	1213	185	26	355	320	32	3	8	2	0	227	0	24
	TOTAL	1653	305	61	504	435	49	12	8	8	2	381	1	36
BISMARCK	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	2	1	0	1	0	0	0	0	0	0	1	0	0
	TOTAL	2	1	0	1	0	0	0	0	0	0	1	0	0
BONNE TERRE	FATAL	1	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	20	6	0	6	8	1	0	0	1	1	5	0	0
	DAMAGE	93	14	2	29	24	2	0	0	0	0	12	0	1
	TOTAL	114	20	2	35	32	3	0	0	1	1	17	0	1
DESLOGE	FATAL	1	1	0	1	0	0	0	0	0	0	0	0	0
	INJURY	16	2	1	4	5	0	0	0	0	0	5	0	1
	DAMAGE	92	5	1	32	35	0	1	1	1	0	11	0	2
	TOTAL	109	8	2	37	40	0	1	1	1	0	16	0	3
FARMINGTON	FATAL	2	0	0	1	1	0	0	0	0	0	0	0	0
	INJURY	107	12	3	34	35	2	2	0	4	1	10	0	2
	DAMAGE	407	37	3	123	137	4	0	0	1	0	28	0	4
	TOTAL	516	49	6	158	173	6	2	0	5	1	38	0	6
LEADWOOD	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	3	0	0	0	2	0	0	0	0	0	0	0	0
	DAMAGE	4	0	0	1	1	0	0	0	0	0	0	0	0
	TOTAL	7	0	0	1	3	0	0	0	0	0	0	0	0
PARK HILL	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	20	2	5	10	5	1	0	0	0	0	5	0	0
	DAMAGE	136	11	4	55	24	2	1	2	0	0	21	0	1
	TOTAL	156	13	9	65	29	3	1	2	0	0	26	0	1
POP UNDER 1000	FATAL	14	3	2	4	5	1	0	0	0	0	6	0	1
	INJURY	256	94	24	89	54	12	7	0	1	0	123	1	8
	DAMAGE	479	117	16	114	99	24	1	5	0	0	154	0	16
	TOTAL	749	214	42	207	158	37	8	5	1	0	283	1	25
ST. LOUIS CO	FATAL	65	23	12	16	16	13	8	0	3	13	26	0	4
	INJURY	7591	1505	391	2241	2127	396	134	46	129	252	1108	4	357
	DAMAGE	24951	3514	669	6396	6331	444	33	258	25	20	2724	7	1156
	TOTAL	32607	5042	1072	8653	8474	853	175	304	157	285	3858	11	1517
BALLWIN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	119	26	5	49	36	7	8	1	4	3	13	0	1
	DAMAGE	420	85	14	156	106	3	0	1	0	0	73	0	4
	TOTAL	539	111	19	205	142	10	8	2	4	3	86	0	5
BELLEFONTAINE NEIGHBORS	FATAL	2	1	0	0	0	1	0	0	0	0	2	0	1
	INJURY	69	11	3	17	23	3	0	2	1	1	10	0	3
	DAMAGE	186	39	7	45	33	6	0	2	0	0	30	0	4
	TOTAL	257	51	10	62	56	10	0	4	1	1	42	0	8
BEL-NOR	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	11	4	0	3	4	1	0	1	0	1	1	0	0
	DAMAGE	19	1	0	5	3	0	0	1	0	0	3	0	0
	TOTAL	30	5	0	8	7	1	0	2	0	1	4	0	0
BEL-RIDGE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	49	11	1	15	12	2	0	0	1	1	8	0	1
	DAMAGE	150	34	3	32	31	2	0	4	0	0	20	0	1
	TOTAL	199	45	4	47	43	4	0	4	1	1	28	0	2
BERKELEY	FATAL	1	1	0	0	0	0	0	0	0	0	1	0	0
	INJURY	169	49	8	30	33	11	3	0	2	10	30	0	25
	DAMAGE	497	93	9	89	111	10	0	8	1	0	66	0	74
	TOTAL	667	143	17	119	144	21	3	8	3	10	97	0	99

TABLE 4.0.1

**2002 MISSOURI TRAFFIC CRASHES
COUNTY AND CITY SUMMARY¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UND 21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/ OTH WK ZONE INV
BLACK JACK	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	18	4	0	6	3	2	1	0	0	0	3	0	0
	DAMAGE	48	8	0	15	12	0	0	2	0	1	8	0	0
	TOTAL	66	12	0	21	15	2	1	2	0	1	11	0	0
BRECKENRIDGE HILLS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	47	6	5	7	14	2	1	0	1	5	4	0	0
	DAMAGE	135	14	4	31	44	3	0	1	0	1	3	0	0
	TOTAL	182	20	9	38	58	5	1	1	1	6	7	0	0
BRENTWOOD	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	59	4	2	14	15	2	1	1	2	1	3	0	2
	DAMAGE	326	26	5	65	84	2	0	2	0	0	30	0	5
	TOTAL	385	30	7	79	99	4	1	3	2	1	33	0	7
BRIDGETON	FATAL	3	0	1	0	0	0	2	0	0	1	2	0	1
	INJURY	387	99	23	92	90	33	9	1	4	7	67	0	11
	DAMAGE	732	137	21	144	175	24	3	2	0	1	91	0	34
	TOTAL	1122	236	45	236	265	57	14	3	4	9	160	0	46
CALVERTON PARK	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	7	3	1	2	1	0	0	0	0	0	0	0	0
	DAMAGE	27	5	0	9	5	1	0	2	0	0	1	0	0
	TOTAL	34	8	1	11	6	1	0	2	0	0	1	0	0
CHARLACK	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	5	1	0	0	3	1	0	0	1	0	1	0	0
	DAMAGE	21	5	0	4	2	0	0	1	0	0	2	0	0
	TOTAL	26	6	0	4	5	1	0	1	1	0	3	0	0
CHESTERFIELD	FATAL	1	0	1	0	0	0	0	0	0	0	1	0	0
	INJURY	388	73	15	150	122	15	6	3	3	5	66	0	22
	DAMAGE	1105	142	30	347	290	17	0	13	2	0	130	0	62
	TOTAL	1494	215	46	497	412	32	6	16	5	5	197	0	84
CLARKSON VALLEY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	7	2	0	2	2	0	0	0	0	0	0	0	0
	DAMAGE	20	7	2	9	3	0	0	0	0	0	7	0	0
	TOTAL	27	9	2	11	5	0	0	0	0	0	7	0	0
CLAYTON	FATAL	1	0	0	0	0	0	0	0	0	1	0	0	0
	INJURY	116	16	5	31	34	5	1	3	2	10	10	0	1
	DAMAGE	551	48	6	105	137	6	0	3	1	0	48	0	3
	TOTAL	668	64	11	136	171	11	1	6	3	11	58	0	4
COOL VALLEY	FATAL	1	1	1	0	0	0	0	0	0	0	1	0	1
	INJURY	11	3	0	1	3	2	0	0	1	0	1	0	9
	DAMAGE	75	16	2	10	12	6	0	2	0	0	19	0	37
	TOTAL	87	20	3	11	15	8	0	2	1	0	21	0	47
COUNTRY CLUB HILLS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	11	3	1	3	4	1	0	0	0	1	0	0	0
	DAMAGE	46	15	0	11	9	0	0	0	0	0	3	0	1
	TOTAL	57	18	1	14	13	1	0	0	0	1	3	0	1
CRESTWOOD	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	51	11	4	25	24	0	1	0	0	1	5	0	0
	DAMAGE	167	40	3	50	60	3	0	0	0	0	18	0	1
	TOTAL	218	51	7	75	84	3	1	0	0	1	23	0	1
CREVE COEUR	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	337	40	12	93	113	21	3	2	4	7	20	0	39
	DAMAGE	1052	92	24	224	336	18	1	6	0	0	56	0	168
	TOTAL	1389	132	36	317	449	39	4	8	4	7	76	0	207
DELLWOOD	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	33	5	2	8	8	0	0	0	0	2	6	0	0
	DAMAGE	76	10	3	24	16	0	0	2	0	0	9	0	0
	TOTAL	109	15	5	32	24	0	0	2	0	2	15	0	0
DES PERES	FATAL	1	0	0	0	0	0	0	0	0	0	1	0	0
	INJURY	106	19	6	28	37	5	3	0	0	2	24	0	4
	DAMAGE	351	45	8	90	100	4	1	2	0	0	47	1	17
	TOTAL	458	64	14	118	137	9	4	2	0	2	72	1	21
ELLISVILLE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	68	11	0	29	18	7	1	0	0	1	5	0	0
	DAMAGE	324	24	0	116	84	5	0	3	0	0	11	0	1
	TOTAL	392	35	0	145	102	12	1	3	0	1	16	0	1

TABLE 4.0.1

**2002 MISSOURI TRAFFIC CRASHES
COUNTY AND CITY SUMMARY¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UND 21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/ OTH WK ZONE INV
EUREKA	FATAL	1	0	0	0	0	1	0	0	0	0	0	0	0
	INJURY	75	14	7	30	13	6	1	0	0	3	15	0	4
	DAMAGE	201	15	6	50	40	10	1	2	0	0	28	1	15
	TOTAL	277	29	13	80	53	17	2	2	0	3	43	1	19
FENTON	FATAL	2	0	0	1	0	1	0	0	0	1	1	0	0
	INJURY	5	3	0	1	0	0	0	0	0	0	3	0	0
	DAMAGE	23	2	0	7	4	0	1	0	0	0	2	0	0
	TOTAL	30	5	0	9	4	1	1	0	0	1	6	0	0
FERGUSON	FATAL	1	0	0	0	1	0	0	0	0	1	0	0	0
	INJURY	159	29	9	59	42	3	1	1	4	5	26	1	1
	DAMAGE	521	80	10	132	144	12	0	8	1	0	57	0	8
	TOTAL	681	109	19	191	187	15	1	9	5	6	83	1	9
FLORISSANT	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	390	49	10	144	127	14	7	0	7	11	25	0	23
	DAMAGE	1332	143	41	398	382	7	2	12	0	0	100	0	57
	TOTAL	1722	192	51	542	509	21	9	12	7	11	125	0	80
FRONTENAC	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	55	16	2	15	14	1	1	1	2	1	9	0	1
	DAMAGE	150	28	3	39	49	6	0	1	0	1	15	0	0
	TOTAL	205	44	5	54	63	7	1	2	2	2	24	0	1
GLENDALE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	7	2	0	0	3	0	0	0	0	1	0	0	0
	DAMAGE	53	3	1	13	13	0	0	1	0	0	9	0	1
	TOTAL	60	5	1	13	16	0	0	1	0	1	9	0	1
GREEN PARK	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	3	2	1	2	1	0	0	0	0	0	0	0	0
	DAMAGE	28	3	1	10	6	0	0	1	0	0	6	0	0
	TOTAL	31	5	2	12	7	0	0	1	0	0	6	0	0
HANLEY HILLS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	2	0	1	0	1	0	0	0	0	0	2	0	0
	DAMAGE	8	0	1	2	1	0	0	1	0	0	3	0	0
	TOTAL	10	0	2	2	2	0	0	1	0	0	5	0	0
HAZELWOOD	FATAL	3	3	0	0	2	0	1	0	0	0	2	0	0
	INJURY	268	63	14	62	58	18	10	0	1	10	30	0	43
	DAMAGE	733	115	12	179	156	17	1	2	0	0	68	1	129
	TOTAL	1004	181	26	241	216	35	12	2	1	10	100	1	172
HILLSDALE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	6	4	0	2	0	0	0	0	1	0	1	0	0
	DAMAGE	15	1	0	3	3	0	0	0	0	0	1	0	0
	TOTAL	21	5	0	5	3	0	0	0	1	0	2	0	0
JENNINGS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	110	21	13	21	25	5	1	0	5	14	8	0	3
	DAMAGE	332	51	7	65	90	2	0	1	1	0	20	0	11
	TOTAL	442	72	20	86	115	7	1	1	6	14	28	0	14
KIRKWOOD	FATAL	3	0	0	1	1	0	1	0	0	0	2	0	0
	INJURY	207	30	10	69	77	6	2	0	6	4	24	0	4
	DAMAGE	832	91	12	255	242	7	2	10	2	1	74	0	4
	TOTAL	1042	121	22	325	320	13	5	10	8	5	100	0	8
LADUE	FATAL	1	0	0	0	1	0	0	0	0	0	0	0	0
	INJURY	114	19	3	32	39	6	0	0	0	1	26	0	3
	DAMAGE	298	50	15	85	81	10	0	4	0	0	55	0	3
	TOTAL	413	69	18	117	121	16	0	4	0	1	81	0	6
MANCHESTER	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	72	14	5	37	16	1	1	0	1	2	10	0	6
	DAMAGE	373	68	8	126	89	2	0	5	0	0	43	0	37
	TOTAL	445	82	13	163	105	3	1	5	1	2	53	0	43
MAPLEWOOD	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	57	7	4	12	14	1	0	0	6	3	11	0	2
	DAMAGE	202	26	3	31	42	1	0	0	0	2	35	0	2
	TOTAL	259	33	7	43	56	2	0	0	6	5	46	0	4
MARLBOROUGH	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	16	4	0	7	5	2	0	0	0	2	1	0	1
	DAMAGE	46	5	1	7	16	0	0	1	0	0	3	0	0
	TOTAL	62	9	1	14	21	2	0	1	0	2	4	0	1

TABLE 4.0.1

**2002 MISSOURI TRAFFIC CRASHES
COUNTY AND CITY SUMMARY¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UND 21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/ OTH WK ZONE INV
MARYLAND HEIGHTS	FATAL	3	3	0	1	0	1	0	0	0	0	0	0	0
	INJURY	384	83	19	89	105	27	10	3	3	15	34	0	24
	DAMAGE	1508	236	57	314	297	21	4	12	1	0	164	0	84
	TOTAL	1895	322	76	404	402	49	14	15	4	15	198	0	108
MOLINE ACRES	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	16	2	1	8	4	0	0	0	0	1	1	0	2
	DAMAGE	55	13	3	12	15	0	0	0	1	0	6	0	9
	TOTAL	71	15	4	20	19	0	0	0	1	1	7	0	11
NORMANDY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	31	5	1	11	9	2	0	0	1	2	6	0	8
	DAMAGE	146	26	9	26	38	2	0	4	0	0	17	0	59
	TOTAL	177	31	10	37	47	4	0	4	1	2	23	0	67
NORTHWOODS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	20	6	1	3	4	1	0	2	0	2	3	0	2
	DAMAGE	67	13	2	8	25	1	0	0	0	0	7	0	10
	TOTAL	87	19	3	11	29	2	0	2	0	2	10	0	12
NORWOOD COURT	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	24	8	1	10	3	3	0	0	0	0	5	0	12
	DAMAGE	60	9	0	7	9	2	0	0	0	0	5	0	16
	TOTAL	84	17	1	17	12	5	0	0	0	0	10	0	28
OAKLAND	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	13	4	1	3	4	0	0	0	0	0	3	0	0
	DAMAGE	39	9	1	8	14	2	0	2	0	0	4	0	0
	TOTAL	52	13	2	11	18	2	0	2	0	0	7	0	0
OLIVETTE	FATAL	1	0	0	1	0	0	0	0	0	0	0	0	0
	INJURY	56	12	3	11	16	5	0	2	1	3	9	0	0
	DAMAGE	137	16	3	28	38	1	0	2	0	0	10	0	0
	TOTAL	194	28	6	40	54	6	0	4	1	3	19	0	0
OVERLAND	FATAL	1	0	0	0	0	0	0	0	0	1	0	0	0
	INJURY	139	33	7	27	24	5	2	1	8	7	28	0	2
	DAMAGE	525	97	27	108	102	5	0	3	3	1	67	0	9
	TOTAL	665	130	34	135	126	10	2	4	11	9	95	0	11
PACIFIC / STL	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	3	1	0	2	2	0	0	0	0	0	0	0	0
	DAMAGE	3	1	1	1	0	0	0	0	0	0	1	0	0
	TOTAL	6	2	1	3	2	0	0	0	0	0	1	0	0
PAGEDALE	FATAL	1	0	0	1	0	0	0	0	0	1	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	0	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL	1	0	0	1	0	0	0	0	0	1	0	0	0
PASADENA HILLS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	4	2	0	1	2	0	0	0	0	0	0	0	0
	DAMAGE	3	1	0	1	1	0	0	1	0	0	1	0	0
	TOTAL	7	3	0	2	3	0	0	1	0	0	1	0	0
PINE LAWN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	29	11	1	13	2	2	0	1	4	3	4	1	3
	DAMAGE	133	28	4	25	34	4	1	4	1	0	12	0	23
	TOTAL	162	39	5	38	36	6	1	5	5	3	16	1	26
RICHMOND HEIGHTS	FATAL	1	1	0	0	0	0	0	0	0	0	1	0	0
	INJURY	218	40	7	51	58	13	0	3	1	5	24	0	3
	DAMAGE	724	96	7	141	176	8	0	2	1	0	51	0	9
	TOTAL	943	137	14	192	234	21	0	5	2	5	76	0	12
RIVERVIEW	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	3	0	0	2	1	0	0	0	1	0	0	0	0
	DAMAGE	29	6	2	4	2	0	0	1	1	1	5	0	0
	TOTAL	32	6	2	6	3	0	0	1	2	1	5	0	0
ROCK HILL	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	13	3	0	2	3	0	0	1	1	1	0	0	1
	DAMAGE	89	21	0	29	26	2	0	0	0	0	5	0	2
	TOTAL	102	24	0	31	29	2	0	1	1	1	5	0	3
ST. ANN	FATAL	1	0	0	0	0	0	0	0	0	1	0	0	0
	INJURY	74	19	3	16	23	1	2	0	3	6	11	0	9
	DAMAGE	382	48	19	83	112	2	0	6	1	0	29	0	25
	TOTAL	457	67	22	99	135	3	2	6	4	7	40	0	34

TABLE 4.0.1

**2002 MISSOURI TRAFFIC CRASHES
COUNTY AND CITY SUMMARY¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UND 21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/OTH WK ZONE INV
ST. GEORGE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	0	0	1	0	0	1	0	0	0	0	0	0
	DAMAGE	6	1	0	1	3	0	0	0	0	0	0	0	0
	TOTAL	7	1	0	2	3	0	1	0	0	0	0	0	0
ST. JOHN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	35	9	4	6	8	1	2	0	1	2	4	0	1
	DAMAGE	169	16	5	30	57	2	0	2	0	1	8	0	2
	TOTAL	204	25	9	36	65	3	2	2	1	3	12	0	3
SHREWSBURY	FATAL	2	0	0	1	0	1	0	0	1	0	2	0	1
	INJURY	30	7	0	7	8	0	0	0	0	1	9	0	0
	DAMAGE	137	18	4	29	36	3	0	0	0	0	22	0	4
	TOTAL	169	25	4	37	44	4	0	0	1	1	33	0	5
SUNSET HILLS	FATAL	2	1	1	1	1	0	0	0	0	1	0	0	0
	INJURY	223	37	10	63	66	18	3	0	1	1	32	0	0
	DAMAGE	708	85	17	208	176	22	0	5	0	0	90	1	3
	TOTAL	933	123	28	272	243	40	3	5	1	2	122	1	3
TOWN AND COUNTRY	FATAL	2	1	1	0	1	0	1	0	0	0	1	0	0
	INJURY	292	60	10	86	83	15	4	0	3	0	44	0	3
	DAMAGE	642	60	12	177	181	17	1	5	0	0	57	0	4
	TOTAL	936	121	23	263	265	32	6	5	3	0	102	0	7
UNIVERSITY CITY	FATAL	1	1	0	0	0	0	0	0	0	0	0	0	0
	INJURY	159	25	6	33	52	6	1	0	2	12	26	0	4
	DAMAGE	651	78	17	114	159	5	1	9	1	1	65	0	4
	TOTAL	811	104	23	147	211	11	2	9	3	13	91	0	8
VALLEY PARK	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	28	7	0	2	11	1	1	0	0	0	7	0	4
	DAMAGE	80	11	6	15	11	2	0	1	0	1	13	0	6
	TOTAL	108	18	6	17	22	3	1	1	0	1	20	0	10
VELDA VILLAGE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	7	0	0	0	1	0	0	0	0	2	1	0	0
	DAMAGE	17	1	1	3	4	0	0	0	0	0	4	0	0
	TOTAL	24	1	1	3	5	0	0	0	0	2	5	0	0
VELDA VILLAGE HILLS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	1	0	0	1	0	0	0	0	1	0	0	0
	DAMAGE	7	0	0	0	2	0	0	0	0	0	0	0	0
	TOTAL	8	1	0	0	3	0	0	0	0	1	0	0	0
VINITA PARK	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	10	4	1	1	3	1	0	0	0	1	1	0	0
	DAMAGE	56	19	3	8	15	1	0	0	0	0	8	0	0
	TOTAL	66	23	4	9	18	2	0	0	0	1	9	0	0
WARSON WOODS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	2	0	0	1	1	0	0	0	0	0	1	0	0
	DAMAGE	10	0	0	3	6	0	0	0	0	0	1	0	0
	TOTAL	12	0	0	4	7	0	0	0	0	0	2	0	0
WEBSTER GROVES	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	79	20	5	26	23	4	2	2	4	7	17	0	1
	DAMAGE	459	63	5	137	130	7	2	5	0	0	53	0	9
	TOTAL	538	83	10	163	153	11	4	7	4	7	70	0	10
WELLSTON	FATAL	1	0	0	0	0	1	0	0	1	0	0	0	0
	INJURY	28	6	4	8	6	1	0	1	0	4	5	0	0
	DAMAGE	91	12	2	12	28	5	0	0	1	0	7	0	0
	TOTAL	120	18	6	20	34	7	0	1	2	4	12	0	0
WILDWOOD	FATAL	2	2	2	0	0	1	1	0	0	0	2	0	0
	INJURY	105	37	6	52	19	4	1	3	1	1	36	0	4
	DAMAGE	309	73	5	141	52	5	0	8	0	1	67	0	9
	TOTAL	416	112	13	193	71	10	2	11	1	2	105	0	13
WINCHESTER	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	9	1	0	3	3	1	0	0	0	0	0	0	0
	DAMAGE	43	6	2	15	14	3	0	1	0	0	1	0	0
	TOTAL	52	7	2	18	17	4	0	1	0	0	1	0	0
WOODSON TERRACE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	25	8	1	6	11	2	0	0	1	0	5	0	1
	DAMAGE	97	16	3	29	19	1	0	1	0	1	11	0	9
	TOTAL	122	24	4	35	30	3	0	1	1	1	16	0	10

TABLE 4.0.1

**2002 MISSOURI TRAFFIC CRASHES
COUNTY AND CITY SUMMARY¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UND 21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/ OTH WK ZONE INV
POP UNDER 1000	FATAL	26	8	5	9	9	6	2	0	1	5	7	0	0
	INJURY	1916	376	127	599	537	100	43	11	34	60	324	2	64
	DAMAGE	6095	868	190	1697	1538	137	12	78	6	6	739	3	181
	TOTAL	8037	1252	322	2305	2084	243	57	89	41	71	1070	5	245
STE. GENEVIEVE CO	FATAL	8	3	1	3	1	1	1	0	0	0	4	0	0
	INJURY	110	35	12	34	26	8	7	1	1	5	53	0	0
	DAMAGE	346	93	12	95	79	24	1	2	0	0	101	0	2
	TOTAL	464	131	25	132	106	33	9	3	1	5	158	0	2
STE. GENEVIEVE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	16	2	3	4	8	0	1	0	1	2	4	0	0
	DAMAGE	81	6	2	34	25	1	0	2	0	0	4	0	0
	TOTAL	97	8	5	38	33	1	1	2	1	2	8	0	0
POP UNDER 1000	FATAL	8	3	1	3	1	1	1	0	0	0	4	0	0
	INJURY	94	33	9	30	18	8	6	1	0	3	49	0	0
	DAMAGE	265	87	10	61	54	23	1	0	0	0	97	0	2
	TOTAL	367	123	20	94	73	32	8	1	0	3	150	0	2
SALINE CO	FATAL	8	4	2	0	2	2	1	0	0	1	4	0	0
	INJURY	179	58	18	52	41	25	5	0	4	4	85	2	0
	DAMAGE	409	78	12	120	95	20	0	4	1	0	106	1	1
	TOTAL	596	140	32	172	138	47	6	4	5	5	195	3	1
MARSHALL	FATAL	1	1	1	0	0	0	0	0	0	0	0	0	0
	INJURY	44	2	2	15	17	1	0	0	4	3	3	1	0
	DAMAGE	209	23	5	85	54	2	0	4	1	0	30	0	1
	TOTAL	254	26	8	100	71	3	0	4	5	3	33	1	1
SLATER	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	2	1	0	1	0	0	0	0	0	0	1	0	0
	DAMAGE	16	3	1	7	9	0	0	0	0	0	2	0	0
	TOTAL	18	4	1	8	9	0	0	0	0	0	3	0	0
SWEET SPRINGS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	2	0	1	2	1	0	0	0	0	0	0	0	0
	TOTAL	2	0	1	2	1	0	0	0	0	0	0	0	0
POP UNDER 1000	FATAL	7	3	1	0	2	2	1	0	0	1	4	0	0
	INJURY	133	55	16	36	24	24	5	0	0	1	81	1	0
	DAMAGE	181	52	5	26	31	18	0	0	0	0	74	1	0
	TOTAL	321	110	22	62	57	44	6	0	0	2	159	2	0
SCHUYLER CO	FATAL	4	1	1	1	0	2	1	0	0	0	2	0	0
	INJURY	25	5	3	5	7	4	0	0	0	0	6	0	0
	DAMAGE	36	5	3	7	10	0	0	0	0	0	8	0	0
	TOTAL	65	11	7	13	17	6	1	0	0	0	16	0	0
POP UNDER 1000	FATAL	4	1	1	1	0	2	1	0	0	0	2	0	0
	INJURY	25	5	3	5	7	4	0	0	0	0	6	0	0
	DAMAGE	36	5	3	7	10	0	0	0	0	0	8	0	0
	TOTAL	65	11	7	13	17	6	1	0	0	0	16	0	0
SCOTLAND CO	FATAL	1	1	1	1	0	0	0	0	0	0	0	0	0
	INJURY	31	8	9	9	3	0	1	0	0	0	20	0	0
	DAMAGE	58	7	0	15	22	1	0	0	0	0	15	0	1
	TOTAL	90	16	10	25	25	1	1	0	0	0	35	0	1
MEMPHIS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	4	0	0	1	0	0	0	0	0	0	1	0	0
	DAMAGE	24	2	0	6	17	1	0	0	0	0	1	0	1
	TOTAL	28	2	0	7	17	1	0	0	0	0	2	0	1
POP UNDER 1000	FATAL	1	1	1	1	0	0	0	0	0	0	0	0	0
	INJURY	27	8	9	8	3	0	1	0	0	0	19	0	0
	DAMAGE	34	5	0	9	5	0	0	0	0	0	14	0	0
	TOTAL	62	14	10	18	8	0	1	0	0	0	33	0	0
SCOTT CO	FATAL	10	6	1	3	3	2	0	1	0	2	2	0	0
	INJURY	296	69	30	92	81	27	3	2	5	10	66	0	5
	DAMAGE	749	117	29	222	204	26	3	1	2	0	126	1	7
	TOTAL	1055	192	60	317	288	55	6	4	7	12	194	1	12
CHAFFEE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	4	1	0	1	2	0	0	0	0	0	2	0	0
	DAMAGE	39	6	2	9	13	0	0	0	1	0	7	0	0
	TOTAL	43	7	2	10	15	0	0	0	1	0	9	0	0

TABLE 4.0.1

**2002 MISSOURI TRAFFIC CRASHES
COUNTY AND CITY SUMMARY¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UND 21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/OTH WK ZONE INV
MINER	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	14	1	0	5	3	1	1	0	0	0	0	0	0
	DAMAGE	56	9	3	18	20	1	0	0	0	0	4	0	0
	TOTAL	70	10	3	23	23	2	1	0	0	0	4	0	0
ORAN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	1	0	0	1	1	0	0	0	0	0	0	0	0
	TOTAL	1	0	0	1	1	0	0	0	0	0	0	0	0
SCOTT CITY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	16	6	2	5	6	2	0	0	0	0	4	0	4
	DAMAGE	57	10	1	18	21	1	0	1	0	0	5	0	4
	TOTAL	73	16	3	23	27	3	0	1	0	0	9	0	8
SIKESTON / SCO	FATAL	2	1	0	1	2	1	0	1	0	1	0	0	0
	INJURY	140	15	8	48	50	6	0	1	5	5	8	0	1
	DAMAGE	368	34	5	125	106	8	2	0	1	0	36	0	2
	TOTAL	510	50	13	174	158	15	2	2	6	6	44	0	3
POP UNDER 1000	FATAL	8	5	1	2	1	1	0	0	0	1	2	0	0
	INJURY	122	46	20	33	20	18	2	1	0	5	52	0	0
	DAMAGE	228	58	18	51	43	16	1	0	0	0	74	1	1
	TOTAL	358	109	39	86	64	35	3	1	0	6	128	1	1
SHANNON CO	FATAL	1	0	0	1	0	0	0	0	0	0	0	0	0
	INJURY	54	28	10	15	15	5	2	0	0	1	28	0	1
	DAMAGE	66	17	4	16	10	6	0	1	0	0	25	0	0
	TOTAL	121	45	14	32	25	11	2	1	0	1	53	0	1
WINONA	FATAL	1	0	0	1	0	0	0	0	0	0	0	0	0
	INJURY	2	2	0	0	1	0	0	0	0	0	0	0	1
	DAMAGE	8	1	0	3	0	0	0	0	0	0	2	0	0
	TOTAL	11	3	0	4	1	0	0	0	0	0	2	0	1
POP UNDER 1000	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	52	26	10	15	14	5	2	0	0	1	28	0	0
	DAMAGE	58	16	4	13	10	6	0	1	0	0	23	0	0
	TOTAL	110	42	14	28	24	11	2	1	0	1	51	0	0
SHELBY CO	FATAL	2	0	0	0	2	0	0	0	0	0	0	0	0
	INJURY	32	6	3	9	8	5	1	0	0	1	16	0	0
	DAMAGE	58	7	1	14	13	2	0	0	0	0	11	0	0
	TOTAL	92	13	4	23	23	7	1	0	0	1	27	0	0
SHELBYNA	FATAL	1	0	0	0	1	0	0	0	0	0	0	0	0
	INJURY	2	0	0	1	1	0	0	0	0	0	0	0	0
	DAMAGE	16	0	1	7	3	0	0	0	0	0	2	0	0
	TOTAL	19	0	1	8	5	0	0	0	0	0	2	0	0
POP UNDER 1000	FATAL	1	0	0	0	1	0	0	0	0	0	0	0	0
	INJURY	30	6	3	8	7	5	1	0	0	1	16	0	0
	DAMAGE	42	7	0	7	10	2	0	0	0	0	9	0	0
	TOTAL	73	13	3	15	18	7	1	0	0	1	25	0	0
STODDARD CO	FATAL	5	2	3	0	1	0	0	0	0	0	4	0	0
	INJURY	212	45	31	63	54	21	1	0	3	0	68	0	2
	DAMAGE	452	63	20	119	136	15	0	1	0	0	95	0	2
	TOTAL	669	110	54	182	191	36	1	1	3	0	167	0	4
ADVANCE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	4	1	0	0	2	0	0	0	1	0	0	0	0
	DAMAGE	21	0	0	6	11	1	0	0	0	0	1	0	0
	TOTAL	25	1	0	6	13	1	0	0	1	0	1	0	0
BERNIE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	3	0	0	0	2	0	0	0	0	0	0	0	0
	DAMAGE	11	1	0	2	5	0	0	0	0	0	0	0	0
	TOTAL	14	1	0	2	7	0	0	0	0	0	0	0	0
BLOOMFIELD	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	4	1	1	3	0	0	0	0	0	0	0	0	0
	DAMAGE	20	2	0	9	5	0	0	0	0	0	8	0	0
	TOTAL	24	3	1	12	5	0	0	0	0	0	8	0	0
DEXTER	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	40	4	0	16	15	3	0	0	0	0	4	0	0
	DAMAGE	139	15	5	42	55	3	0	1	0	0	17	0	0
	TOTAL	179	19	5	58	70	6	0	1	0	0	21	0	0

TABLE 4.0.1

**2002 MISSOURI TRAFFIC CRASHES
COUNTY AND CITY SUMMARY¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UND 21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/ OTH WK ZONE INV
PUXICO	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	0	0	0	1	0	0	0	0	0	0	0	0
	DAMAGE	7	0	1	2	1	0	0	0	0	0	0	0	0
	TOTAL	8	0	1	2	2	0	0	0	0	0	0	0	0
POP UNDER 1000	FATAL	5	2	3	0	1	0	0	0	0	0	4	0	0
	INJURY	160	39	30	44	34	18	1	0	2	0	64	0	2
	DAMAGE	254	45	14	58	59	11	0	0	0	0	69	0	2
	TOTAL	419	86	47	102	94	29	1	0	2	0	137	0	4
STONE CO	FATAL	7	4	4	2	0	2	0	0	0	0	3	0	0
	INJURY	268	128	36	67	78	17	13	1	0	3	120	0	1
	DAMAGE	396	130	30	111	118	6	2	3	0	1	144	0	2
	TOTAL	671	262	70	180	196	25	15	4	0	4	267	0	3
CRANE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	4	0	0	1	2	0	0	0	0	0	3	0	0
	TOTAL	4	0	0	1	2	0	0	0	0	0	3	0	0
KIMBERLING CITY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	7	1	0	2	4	0	0	0	0	0	0	0	0
	DAMAGE	15	1	0	3	7	0	0	1	0	0	4	0	1
	TOTAL	22	2	0	5	11	0	0	1	0	0	4	0	1
POP UNDER 1000	FATAL	7	4	4	2	0	2	0	0	0	0	3	0	0
	INJURY	261	127	36	65	74	17	13	1	0	3	120	0	1
	DAMAGE	377	129	30	107	109	6	2	2	0	1	137	0	1
	TOTAL	645	260	70	174	183	25	15	3	0	4	260	0	2
SULLIVAN CO	FATAL	2	1	1	0	1	0	0	0	0	0	0	0	0
	INJURY	34	12	9	14	5	1	0	1	0	0	19	0	0
	DAMAGE	82	19	4	24	24	4	0	0	0	0	21	0	0
	TOTAL	118	32	14	38	30	5	0	1	0	0	40	0	0
MILAN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	5	1	1	4	1	0	0	0	0	0	0	0	0
	DAMAGE	16	2	0	6	6	0	0	0	0	0	3	0	0
	TOTAL	21	3	1	10	7	0	0	0	0	0	3	0	0
POP UNDER 1000	FATAL	2	1	1	0	1	0	0	0	0	0	0	0	0
	INJURY	29	11	8	10	4	1	0	1	0	0	19	0	0
	DAMAGE	66	17	4	18	18	4	0	0	0	0	18	0	0
	TOTAL	97	29	13	28	23	5	0	1	0	0	37	0	0
TANEY CO	FATAL	12	7	6	2	3	0	0	0	0	2	8	0	0
	INJURY	588	215	78	185	182	32	20	2	2	4	206	1	3
	DAMAGE	1011	230	65	258	354	32	6	2	0	0	210	1	2
	TOTAL	1611	452	149	445	539	64	26	4	2	6	424	2	5
BRANSON	FATAL	3	0	0	0	1	0	0	0	0	2	1	0	0
	INJURY	202	26	10	61	89	5	6	0	2	3	30	0	3
	DAMAGE	486	48	10	132	206	7	0	0	0	0	39	0	1
	TOTAL	691	74	20	193	296	12	6	0	2	5	70	0	4
FORSYTH	FATAL	1	1	0	0	0	0	0	0	0	0	1	0	0
	INJURY	12	1	0	3	9	1	0	1	0	0	2	0	0
	DAMAGE	35	1	0	6	17	0	0	0	0	0	3	0	0
	TOTAL	48	3	0	9	26	1	0	1	0	0	6	0	0
HOLLISTER	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	47	11	3	17	16	5	0	1	0	0	4	1	0
	DAMAGE	131	27	6	33	46	4	1	1	0	0	14	0	1
	TOTAL	178	38	9	50	62	9	1	2	0	0	18	1	1
MERRIAM WOODS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	3	2	1	1	1	0	0	0	0	0	2	0	0
	DAMAGE	7	1	2	4	1	1	0	0	0	0	3	0	0
	TOTAL	10	3	3	5	2	1	0	0	0	0	5	0	0
POP UNDER 1000	FATAL	8	6	6	2	2	0	0	0	0	0	6	0	0
	INJURY	324	175	64	103	67	21	14	0	0	1	168	0	0
	DAMAGE	352	153	47	83	84	20	5	1	0	0	151	1	0
	TOTAL	684	334	117	188	153	41	19	1	0	1	325	1	0
TEXAS CO	FATAL	7	4	4	1	2	2	0	0	0	1	1	0	0
	INJURY	149	52	23	45	37	16	3	1	1	2	56	0	0
	DAMAGE	278	64	13	89	76	16	1	0	1	0	85	1	1
	TOTAL	434	120	40	135	115	34	4	1	2	3	142	1	1

TABLE 4.0.1

**2002 MISSOURI TRAFFIC CRASHES
COUNTY AND CITY SUMMARY¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UND 21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/OTH WK ZONE INV
CABOOL	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	10	2	0	4	4	2	0	0	1	1	0	0	0
	DAMAGE	29	0	2	9	16	0	1	0	0	0	2	0	0
	TOTAL	39	2	2	13	20	2	1	0	1	1	2	0	0
HOUSTON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	14	2	0	6	4	3	0	0	0	0	1	0	0
	DAMAGE	41	9	3	17	15	1	0	0	0	0	7	0	0
	TOTAL	55	11	3	23	19	4	0	0	0	0	8	0	0
LICKING	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	8	0	0	1	4	0	1	0	0	1	1	0	0
	DAMAGE	21	2	0	7	8	0	0	0	1	0	4	0	0
	TOTAL	29	2	0	8	12	0	1	0	1	1	5	0	0
POP UNDER 1000	FATAL	7	4	4	1	2	2	0	0	0	1	1	0	0
	INJURY	117	48	23	34	25	11	2	1	0	0	54	0	0
	DAMAGE	187	53	8	56	37	15	0	0	0	0	72	1	1
	TOTAL	311	105	35	91	64	28	2	1	0	1	127	1	1
VERNON CO	FATAL	5	3	1	3	0	0	0	0	0	0	0	0	0
	INJURY	193	46	21	63	46	15	3	1	5	3	50	0	2
	DAMAGE	451	73	13	116	121	21	0	3	2	0	81	0	5
	TOTAL	649	122	35	182	167	36	3	4	7	3	131	0	7
NEVADA	FATAL	1	1	1	0	0	0	0	0	0	0	0	0	0
	INJURY	95	16	3	36	31	7	0	1	4	2	8	0	0
	DAMAGE	265	31	5	79	91	8	0	3	2	0	31	0	4
	TOTAL	361	48	9	115	122	15	0	4	6	2	39	0	4
POP UNDER 1000	FATAL	4	2	0	3	0	0	0	0	0	0	0	0	0
	INJURY	98	30	18	27	15	8	3	0	1	1	42	0	2
	DAMAGE	186	42	8	37	30	13	0	0	0	0	50	0	1
	TOTAL	288	74	26	67	45	21	3	0	1	1	92	0	3
WARREN CO	FATAL	13	4	3	5	6	5	0	0	0	2	2	0	0
	INJURY	190	63	27	61	43	21	10	1	3	3	67	0	1
	DAMAGE	559	120	13	154	142	29	0	4	0	0	132	0	6
	TOTAL	762	187	43	220	191	55	10	5	3	5	201	0	7
WARRENTON	FATAL	2	1	1	0	1	0	0	0	0	2	0	0	0
	INJURY	36	5	2	12	12	2	1	0	2	1	8	0	0
	DAMAGE	194	14	2	55	67	8	0	2	0	0	19	0	0
	TOTAL	232	20	5	67	80	10	1	2	2	3	27	0	0
WRIGHT CITY	FATAL	5	0	1	2	3	3	0	0	0	0	0	0	0
	INJURY	24	5	4	6	3	3	2	0	1	1	5	0	0
	DAMAGE	90	27	0	27	20	5	0	0	0	0	29	0	3
	TOTAL	119	32	5	35	26	11	2	0	1	1	34	0	3
POP UNDER 1000	FATAL	6	3	1	3	2	2	0	0	0	0	2	0	0
	INJURY	130	53	21	43	28	16	7	1	0	1	54	0	1
	DAMAGE	275	79	11	72	55	16	0	2	0	0	84	0	3
	TOTAL	411	135	33	118	85	34	7	3	0	1	140	0	4
WASHINGTON CO	FATAL	7	3	2	1	2	2	0	0	0	0	3	0	0
	INJURY	198	67	25	58	30	10	7	2	2	4	88	0	0
	DAMAGE	275	59	9	79	62	10	2	0	0	0	66	0	3
	TOTAL	480	129	36	138	94	22	9	2	2	4	157	0	3
POTOSI	FATAL	1	1	0	0	0	1	0	0	0	0	0	0	0
	INJURY	30	0	2	11	9	2	1	1	2	0	1	0	0
	DAMAGE	100	2	3	39	35	0	1	0	0	0	7	0	2
	TOTAL	131	3	5	50	44	3	2	1	2	0	8	0	2
POP UNDER 1000	FATAL	6	2	2	1	2	1	0	0	0	0	3	0	0
	INJURY	168	67	23	47	21	8	6	1	0	4	87	0	0
	DAMAGE	175	57	6	40	27	10	1	0	0	0	59	0	1
	TOTAL	349	126	31	88	50	19	7	1	0	4	149	0	1
WAYNE CO	FATAL	4	3	0	2	1	0	0	0	0	0	2	0	0
	INJURY	110	49	18	30	23	8	3	1	1	1	61	0	1
	DAMAGE	220	64	17	55	60	7	1	2	0	0	79	1	2
	TOTAL	334	116	35	87	84	15	4	3	1	1	142	1	3
PIEDMONT	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	8	1	0	5	2	0	0	0	1	1	2	0	0
	DAMAGE	46	3	1	19	18	0	0	0	0	0	2	0	1
	TOTAL	54	4	1	24	20	0	0	0	1	1	4	0	1

TABLE 4.0.1

**2002 MISSOURI TRAFFIC CRASHES
COUNTY AND CITY SUMMARY¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UND 21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/ OTH WK ZONE INV
POP UNDER 1000	FATAL	4	3	0	2	1	0	0	0	0	0	2	0	0
	INJURY	102	48	18	25	21	8	3	1	0	0	59	0	1
	DAMAGE	174	61	16	36	42	7	1	2	0	0	77	1	1
	TOTAL	280	112	34	63	64	15	4	3	0	0	138	1	2
WEBSTER CO	FATAL	12	2	0	2	6	1	0	0	0	1	3	0	0
	INJURY	177	54	18	46	45	22	7	1	0	5	63	0	1
	DAMAGE	435	110	23	137	116	40	2	2	1	0	97	2	5
	TOTAL	624	166	41	185	167	63	9	3	1	6	163	2	6
MARSHFIELD	FATAL	1	0	0	0	1	0	0	0	0	0	0	0	0
	INJURY	41	3	2	14	16	4	1	0	0	4	5	0	0
	DAMAGE	135	17	2	50	39	3	0	1	0	0	9	0	1
	TOTAL	177	20	4	64	56	7	1	1	0	4	14	0	1
ROGERSVILLE / WEB	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	6	1	0	3	1	0	1	0	0	0	0	0	0
	DAMAGE	21	5	1	7	9	2	0	0	0	0	2	0	2
	TOTAL	27	6	1	10	10	2	1	0	0	0	2	0	2
SEYMOUR	FATAL	1	0	0	1	1	0	0	0	0	0	0	0	0
	INJURY	8	3	0	2	4	1	0	0	0	1	1	0	0
	DAMAGE	14	3	1	6	5	1	0	0	0	0	1	0	0
	TOTAL	23	6	1	9	10	2	0	0	0	1	2	0	0
POP UNDER 1000	FATAL	10	2	0	1	4	1	0	0	0	1	3	0	0
	INJURY	122	47	16	27	24	17	5	1	0	0	57	0	1
	DAMAGE	265	85	19	74	63	34	2	1	1	0	85	2	2
	TOTAL	397	134	35	102	91	52	7	2	1	1	145	2	3
WORTH CO	FATAL	3	1	1	0	2	1	0	0	0	0	3	0	0
	INJURY	8	2	1	2	1	1	0	0	0	0	4	0	1
	DAMAGE	23	5	2	5	8	2	1	0	0	0	7	0	0
	TOTAL	34	8	4	7	11	4	1	0	0	0	14	0	1
POP UNDER 1000	FATAL	3	1	1	0	2	1	0	0	0	0	3	0	0
	INJURY	8	2	1	2	1	1	0	0	0	0	4	0	1
	DAMAGE	23	5	2	5	8	2	1	0	0	0	7	0	0
	TOTAL	34	8	4	7	11	4	1	0	0	0	14	0	1
WRIGHT CO	FATAL	9	7	1	4	1	1	0	0	0	0	5	0	0
	INJURY	109	27	9	45	31	10	1	0	2	4	39	1	0
	DAMAGE	229	48	8	72	62	10	0	1	0	0	53	0	0
	TOTAL	347	82	18	121	94	21	1	1	2	4	97	1	0
MANSFIELD	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	2	1	0	1	0	0	0	0	0	1	1	0	0
	DAMAGE	10	0	0	5	3	0	0	0	0	0	0	0	0
	TOTAL	12	1	0	6	3	0	0	0	0	1	1	0	0
MOUNTAIN GROVE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	21	2	2	9	7	2	1	0	2	1	0	0	0
	DAMAGE	100	7	0	40	36	1	0	0	0	0	5	0	0
	TOTAL	121	9	2	49	43	3	1	0	2	1	5	0	0
POP UNDER 1000	FATAL	9	7	1	4	1	1	0	0	0	0	5	0	0
	INJURY	86	24	7	35	24	8	0	0	0	2	38	1	0
	DAMAGE	119	41	8	27	23	9	0	1	0	0	48	0	0
	TOTAL	214	72	16	66	48	18	0	1	0	2	91	1	0
ST. LOUIS CITY	FATAL	48	18	4	6	7	8	3	1	4	10	9	0	0
	INJURY	4647	614	100	850	882	284	76	91	84	414	541	2	86
	DAMAGE	15504	1519	177	2117	2769	197	27	398	22	34	1752	8	270
	TOTAL	20199	2151	281	2973	3658	489	106	490	110	458	2302	10	356
STATE TOTALS	FATAL	1082	428	269	260	278	192	56	3	16	90	400	4	26
	INJURY	47973	11036	3922	14592	11669	3253	1199	308	617	1483	10993	41	1089
	DAMAGE	136731	20129	4288	35119	31507	3436	340	1301	122	99	20527	108	3723
	TOTAL	185786	31593	8479	49971	43454	6881	1595	1612	755	1672	31920	153	4838

TABLE 4.0.1

**2002 MISSOURI TRAFFIC CRASHES
COUNTY AND CITY SUMMARY¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UND 21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/OTH WK ZONE INV
INCRP AREAS	FATAL	345	124	73	75	97	65	24	3	10	58	97	2	13
	INJURY	31345	5173	1736	9433	8174	1727	660	226	533	1285	4001	21	814
	DAMAGE	103655	12022	2596	26544	24474	1698	243	1069	110	88	11198	56	2810
	TOTAL	135345	17319	4405	36052	32745	3490	927	1298	653	1431	15296	79	3637

¹ All traffic crash activity occurring in a county and cities within a county is presented in this data display. A note of caution is warranted for cities whose jurisdictional boundaries cover more than one county. For City A whose boundaries fall in County A and County B - County A's portion of the data display will have County A City A's traffic crash activity presented. County B's portion of the data display will have County B City A's traffic crash activity presented. Those cities falling in more than one county can be identified by their name being followed by a slash (/) and the first three letters of the county name (e.g., Kansas City/JAC). Table 4.0.2 is presented to identify the total crash activity of these multi-county cities.

TABLE 4.0.1

**2002 MISSOURI TRAFFIC CRASHES
MULTI-COUNTY CITY SUMMARY¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UND 21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/ OTH WK ZONE INV
BELLE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	2	0	0	1	1	0	1	0	0	0	0	0	0
	DAMAGE	10	1	1	4	5	0	0	0	0	0	0	0	0
	TOTAL	12	1	1	5	6	0	1	0	0	0	0	0	0
CAMERON	FATAL	1	0	1	0	0	0	0	0	0	0	0	0	0
	INJURY	36	4	2	16	12	3	0	0	1	1	4	0	1
	DAMAGE	114	15	4	40	40	3	0	1	1	0	14	0	1
	TOTAL	151	19	7	56	52	6	0	1	2	1	18	0	2
DREXEL	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	2	0	0	0	2	2	0	0	0	0	0	0	0
	DAMAGE	10	1	0	2	2	0	0	0	0	0	1	0	0
	TOTAL	12	1	0	2	4	2	0	0	0	0	1	0	0
EXCELSIOR SPRINGS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	78	19	9	33	26	1	2	0	1	4	16	0	0
	DAMAGE	253	37	13	91	52	3	0	1	0	0	44	0	2
	TOTAL	331	56	22	124	78	4	2	1	1	4	60	0	2
HANNIBAL	FATAL	1	0	0	0	0	0	0	0	0	0	1	0	0
	INJURY	154	23	15	57	40	8	4	0	2	10	29	0	2
	DAMAGE	629	64	23	174	163	11	0	4	0	0	75	1	6
	TOTAL	784	87	38	231	203	19	4	4	2	10	105	1	8
JEFFERSON CITY	FATAL	3	0	0	1	1	0	0	0	0	0	1	0	0
	INJURY	415	51	30	138	122	19	6	1	3	15	55	1	3
	DAMAGE	1422	167	34	472	382	18	4	5	0	0	160	1	10
	TOTAL	1840	218	64	611	505	37	10	6	3	15	216	2	13
JOPLIN	FATAL	11	4	4	4	3	4	0	0	0	1	3	1	0
	INJURY	690	66	42	223	215	34	18	1	13	13	41	0	5
	DAMAGE	1768	134	49	543	491	28	4	9	2	1	153	0	14
	TOTAL	2469	204	95	770	709	66	22	10	15	15	197	1	19
KANSAS CITY	FATAL	69	30	20	18	15	8	3	0	0	19	21	0	2
	INJURY	4867	1053	333	1100	985	262	88	26	58	236	772	3	108
	DAMAGE	18034	2265	412	2789	2970	290	39	169	13	17	2044	14	335
	TOTAL	22970	3348	765	3907	3970	560	130	195	71	272	2837	17	445
LAKE OZARK	FATAL	1	0	0	0	0	0	0	0	0	0	1	0	0
	INJURY	22	3	1	11	8	2	3	0	0	0	3	0	0
	DAMAGE	112	9	1	31	33	2	1	1	0	0	14	0	0
	TOTAL	135	12	2	42	41	4	4	1	0	0	18	0	0
LAWSON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	7	1	0	2	2	0	0	0	0	0	1	0	0
	DAMAGE	32	3	2	15	10	0	0	0	0	0	4	0	0
	TOTAL	39	4	2	17	12	0	0	0	0	0	5	0	0
LEE'S SUMMIT	FATAL	9	6	1	2	1	1	1	0	1	0	2	0	0
	INJURY	464	94	29	177	122	25	18	1	5	13	73	0	12
	DAMAGE	1711	264	52	643	357	28	3	11	1	0	218	0	54
	TOTAL	2184	364	82	822	480	54	22	12	7	13	293	0	66
MONETT	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	47	9	6	16	14	3	3	0	2	1	12	0	0
	DAMAGE	166	19	12	60	44	4	1	1	0	0	22	1	0
	TOTAL	213	28	18	76	58	7	4	1	2	1	34	1	0
MONROE CITY	FATAL	1	0	0	0	1	0	0	0	0	0	0	0	0
	INJURY	13	2	1	6	1	1	0	0	0	2	2	0	0
	DAMAGE	34	4	1	11	10	1	0	0	0	0	6	0	1
	TOTAL	48	6	2	17	12	2	0	0	0	2	8	0	1
OSAGE BEACH	FATAL	1	1	0	0	0	0	0	0	0	0	0	0	1
	INJURY	91	16	15	36	28	5	5	0	0	1	21	0	5
	DAMAGE	307	19	11	87	120	7	0	1	0	0	31	0	5
	TOTAL	399	36	26	123	148	12	5	1	0	1	52	0	11
PACIFIC	FATAL	1	1	0	0	0	0	0	0	0	0	0	0	0
	INJURY	42	11	2	18	10	6	1	0	1	0	7	0	1
	DAMAGE	165	34	2	49	31	6	0	2	0	0	24	0	5
	TOTAL	208	46	4	67	41	12	1	2	1	0	31	0	6
RICHLAND	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	8	2	0	2	2	1	1	0	0	1	1	0	0
	DAMAGE	28	1	2	4	8	1	0	0	0	0	4	0	0
	TOTAL	36	3	2	6	10	2	1	0	0	1	5	0	0

TABLE 4.0.2

**2002 MISSOURI TRAFFIC CRASHES
MULTI-COUNTY CITY SUMMARY¹**

CITY	CRASH SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR UND 21 INV	DRVR 55+ INV	COMM VEH INV	MOTOR-CYCLE INV	SCHOOL BUS INV	BIKE INV	PEDES-TRIAN INV	FIXED OBJECT INV	HAZ-ARD MATL INV	CONSTR/OTH WK ZONE INV
ROGERSVILLE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	6	1	0	3	1	0	1	0	0	0	0	0	0
	DAMAGE	22	5	1	7	10	2	0	0	0	0	2	0	2
	TOTAL	28	6	1	10	11	2	1	0	0	0	2	0	2
SIKESTON	FATAL	2	1	0	1	2	1	0	1	0	1	0	0	0
	INJURY	170	19	9	55	61	8	0	1	5	6	14	0	2
	DAMAGE	464	45	7	145	143	11	2	0	1	0	47	0	7
	TOTAL	636	65	16	201	206	20	2	2	6	7	61	0	9
SULLIVAN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	35	3	2	10	14	4	1	1	0	2	2	0	1
	DAMAGE	146	21	2	34	59	7	0	2	0	0	9	1	0
	TOTAL	181	24	4	44	73	11	1	3	0	2	11	1	1
WINDSOR	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	5	1	2	1	1	1	0	0	1	0	2	0	0
	DAMAGE	19	3	1	2	9	0	0	0	0	0	2	0	0
	TOTAL	24	4	3	3	10	1	0	0	1	0	4	0	0

¹ All traffic crash activity occurring in cities having jurisdictional boundaries in more than one county is presented in this data display. The total crash activity for each multi-county city is presented in this display.

TABLE 4.0.2

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.