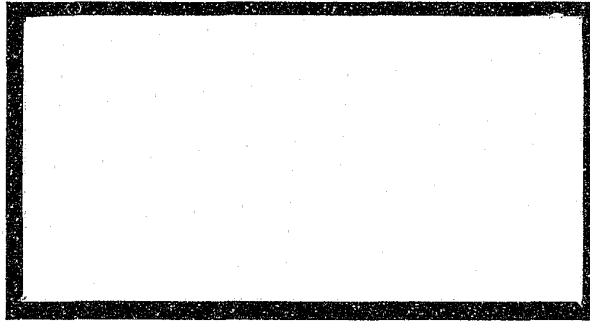




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**MISSOURI
TRAFFIC SAFETY
COMPENDIUM**

Principal Staff Researchers:

**Phyllis Emmel, Research Analyst
Bill Aber, Data Processing Specialist**

**MISSOURI STATE HIGHWAY PATROL
STATISTICAL ANALYSIS CENTER
1510 East Elm
Jefferson City, Missouri 65101
(314) 751-4026**



Missouri Division of Highway Safety

Department of Public Safety
P.O. Box 104808, Jefferson City, MO 65110-4808
(314) 751-4161 or 1-800-800-BELT FAX (314) 634-5977

Mel Carnahan
Governor

Terry L. Knowles
Department Director

Dan A. Needham
Division Director

FOREWORD

The 1993 Missouri Traffic Safety Compendium is the eighth in a series being produced annually by the Missouri State Highway Patrol, Statistical Analysis Center, working in conjunction with the Missouri Division of Highway Safety. This publication contains a compilation of statistics related to Missouri's traffic safety problems and assists the Patrol and Highway Safety in the identification of specific problems. The analysis in this publication has been prepared to be user friendly.

From the responses we have received from Federal, State, and local traffic authorities, it is apparent that this publication has proven to be very beneficial to other agencies as well as our own.

I encourage traffic safety authorities and other public officials to take full advantage of the strategies contained in this publication. The insights obtained from reviewing its contents can be an invaluable aid when conducting traffic safety problem identification, planning and policy-making.

If you require more information on traffic safety programs or need additional statistical information services, please forward your requests to my office.

Dan A. Needham
Director

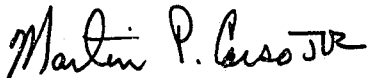
ACKNOWLEDGEMENTS

A number of agencies contributed to the development of this publication. The Missouri Department of Revenue and the Missouri Highway and Transportation Department provided data on the annual miles of travel, driver's licensing, and vehicle registration activity levels. Traffic accident data were obtained from the Statewide Traffic Accident Records System (STARS). The Missouri State Highway Patrol, Traffic Division is responsible for coordinating the STARS program including encoding all traffic accident data reported to the system.

Special recognition must be given to all Missouri law enforcement agencies and officers who provide traffic accident investigation services on Missouri's roadways and conscientiously report their findings to STARS. Because of their efforts, traffic authorities and other public officials are able to analyze Missouri's accident problems to develop more effective traffic safety policies and programs.

Improvements were made to this edition of the Compendium as a result of an upgrade to STARS which became effective January 1, 1993. This revision was based on recommendations of the Missouri Traffic Records Committee. This Committee acts as an advisory body to the Missouri State Highway Patrol for upgrading and maintaining the STARS system.

Finally, the U.S. Department of Transportation, National Highway Traffic Safety Administration has supported the Missouri Statistical Analysis Center's efforts in providing statistical information services and publications to Missouri traffic safety authorities. Their financial support and technical assistance is appreciated.


Martin P. Carso Jr., Director
Missouri Statistical Analysis Center

CONTENTS

	PAGE
EXECUTIVE SUMMARY	
INTRODUCTION	1
1. MISSOURI TRAFFIC SAFETY PERSONAL INJURY PROBLEM ANALYSIS CLOCK	3
2. MISSOURI STATEWIDE TRAFFIC SAFETY ANALYSIS	7
3. 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	65
3.5 Commercial Motor Vehicle Involvement	81
3.6 Motorcycle Involvement	97
3.7 School Bus Involvement	113
3.8 Bicycle Involvement	129
3.9 Pedestrian Involvement	145
3.10 Fixed Object Involvement	163
3.11 Hazardous Material Involvement	181
3.12 Construction Zone Involvement	197
3.13 Seat Belt Usage	213
4. MISSOURI COUNTY AND CITY TRAFFIC ACCIDENT ANALYSIS	229
GLOSSARY	269

TABLES

PAGE

MISSOURI STATEWIDE TRAFFIC SAFETY ANALYSIS

2.0.1	State of Missouri, Traffic Safety Statistics, 1969 - 1993	9
2.0.2	1984 - 1993 Missouri Traffic Accidents, Year by Accident Severity	10

MISSOURI DETAIL TRAFFIC SAFETY PROBLEM ANALYSIS

Speed Involvement

3.1.1	1993 Missouri Traffic Accidents, Speed Involvement	16
3.1.2	1992 and 1993 Speed Involved Accident Analysis	17
3.1.3	1993 Speed Involved Accidents, Accident Type by Accident Severity	17
3.1.4	1993 Speed Involved Accidents, Area Classification by Accident Severity	18
3.1.5	1993 Speed Involved Accidents, Road Curvature by Accident Severity	18
3.1.6	1993 Speed Involved Accidents, Road Incline by Accident Severity	18
3.1.7	1993 Speed Involved Accidents, Road Conditions by Accident Severity	19
3.1.8	1993 Speed Involved Accidents, Highway Classification by Accident Severity	19
3.1.9	1993 Speed Involved Accidents, Highway Classification by Area Classification and Accident Severity	20
3.1.10	Drivers of Motorized Vehicles Speeding in 1993 Missouri Accidents, Type of Speeding Violation	23
3.1.11	Drivers of Motorized Vehicles Speeding in 1993 Missouri Accidents, Sex of Driver by Accident Severity	23
3.1.12	Drivers of Motorized Vehicles Speeding in 1993 Missouri Accidents, Age of Driver by Accident Severity	24
3.1.13	Drivers of Motorized Vehicles Speeding in 1993 Missouri Accidents, Driver's License State and Type by Accident Severity	25
3.1.14	Drivers of Motorized Vehicles Speeding in 1993 Missouri Accidents, Type of Vehicle Driven by Accident Severity	26
3.1.15	Drivers of Motorized Vehicles Speeding in 1993 Missouri Accidents, Driver Intoxication by Accident Severity	26
3.1.16	1993 Speed Involved Accidents, County Quartile Analysis	27
3.1.17	1993 Speed Involved Accidents, City Listing	29

Drinking Involvement

3.2.1	1993 Missouri Traffic Accidents, Drinking Involvement	32
3.2.2	1992 and 1993 Drinking Involved Accident Analysis	33
3.2.3	1993 Drinking Involved Accidents, Accident Type by Accident Severity	33
3.2.4	1993 Drinking Involved Accidents, Area Classification by Accident Severity	34
3.2.5	1993 Drinking Involved Accidents, Road Curvature by Accident Severity	34
3.2.6	1993 Drinking Involved Accidents, Road Incline by Accident Severity	34
3.2.7	1993 Drinking Involved Accidents, Road Conditions by Accident Severity	35
3.2.8	1993 Drinking Involved Accidents, Highway Classification by Accident Severity	35
3.2.9	1993 Drinking Involved Accidents, Highway Classification by Area Classification and Accident Severity	36
3.2.10	Persons Drinking in 1993 Missouri Accidents, Person Type and Sex by Accident Severity ..	39

TABLES

	PAGE
3.2.11 Drivers of Motorized Vehicles Drinking in 1993 Missouri Accidents, Age of Driver by Accident Severity	40
3.2.12 Drivers of Non-Motorized Vehicles Drinking in 1993 Missouri Accidents, Age of Driver by Accident Severity	41
3.2.13 Pedestrians Drinking in 1993 Missouri Accidents, Age of Pedestrian by Accident Severity	42
3.2.14 Drivers of Motorized and Non-Motorized Vehicles Drinking in 1993 Missouri Accidents, Type of Vehicle Driven by Accident Severity	43
3.2.15 Drivers of Motorized Vehicles Drinking in 1993 Missouri Accidents, Driver's License State and Type by Accident Severity	44
3.2.16 1993 Drinking Involved Accidents, County Quartile Analysis	45
3.2.17 1993 Drinking Involved Accidents, City Listing	47

Young Driver Involvement

3.3.1 1993 Missouri Traffic Accidents, Young Driver Involvement	50
3.3.2 1992 and 1993 Young Driver Involved Accident Analysis	51
3.3.3 1993 Young Driver Involved Accidents, Accident Type by Accident Severity	51
3.3.4 1993 Young Driver Involved Accidents, Area Classification by Accident Severity	52
3.3.5 1993 Young Driver Involved Accidents, Road Curvature by Accident Severity	52
3.3.6 1993 Young Driver Involved Accidents, Road Incline by Accident Severity	52
3.3.7 1993 Young Driver Involved Accidents, Road Conditions by Accident Severity	53
3.3.8 1993 Young Driver Involved Accidents, Highway Classification by Accident Severity	53
3.3.9 1993 Young Driver Involved Accidents, Highway Classification by Area Classification and Accident Severity	54
3.3.10 1993 Missouri Young Driver Accidents, Type of Circumstance Involved by Accident Severity and Person Classification	57
3.3.11 Young Drivers Involved in 1993 Missouri Accidents, Sex of Driver by Accident Severity	58
3.3.12 Young Drivers Involved in 1993 Missouri Accidents, Age of Driver by Accident Severity	58
3.3.13 Young Drivers Involved in 1993 Missouri Accidents, Driver's License State and Type by Accident Severity	59
3.3.14 Young Drivers Involved in 1993 Missouri Accidents, Type of Vehicle Driven by Accident Severity	60
3.3.15 1993 Young Driver Involved Accidents, County Quartile Analysis	61
3.3.16 1993 Young Driver Involved Accidents, City Listing	63

Older Driver Involvement

3.4.1 1993 Missouri Traffic Accidents, Older Driver Involvement	66
3.4.2 1992 and 1993 Older Driver Involved Accident Analysis	67
3.4.3 1993 Older Driver Involved Accidents, Accident Type by Accident Severity	67
3.4.4 1993 Older Driver Involved Accidents, Area Classification by Accident Severity	68
3.4.5 1993 Older Driver Involved Accidents, Road Curvature by Accident Severity	68
3.4.6 1993 Older Driver Involved Accidents, Road Incline by Accident Severity	68
3.4.7 1993 Older Driver Involved Accidents, Road Conditions by Accident Severity	69
3.4.8 1993 Older Driver Involved Accidents, Highway Classification by Accident Severity	69
3.4.9 1993 Older Driver Involved Accidents, Highway Classification by Area Classification and Accident Severity	70
3.4.10 1993 Missouri Older Driver Accidents, Type of Circumstance Involved by Accident Severity and Person Classification	73

TABLES

	PAGE
3.4.11 Older Drivers Involved in 1993 Missouri Accidents, Sex of Driver by Accident Severity	74
3.4.12 Older Drivers Involved in 1993 Missouri Accidents, Age of Driver by Accident Severity	74
3.4.13 Older Drivers Involved in 1993 Missouri Accidents, Driver's License State and Type by Accident Severity	75
3.4.14 Older Drivers Involved in 1993 Missouri Accidents, Type of Vehicle Driven by Accident Severity	76
3.4.15 1993 Older Driver Involved Accidents, County Quartile Analysis	77
3.4.16 1993 Older Driver Involved Accidents, City Listing	79

Commercial Motor Vehicle Involvement

3.5.1 1993 Missouri Traffic Accidents, Commercial Motor Vehicle Involvement	82
3.5.2 1993 Commercial Motor Vehicle Involved Accidents, Accident Type by Accident Severity	83
3.5.3 1993 Commercial Motor Vehicle Involved Accidents, Area Classification by Accident Severity	83
3.5.4 1993 Commercial Motor Vehicle Involved Accidents, Road Curvature by Accident Severity	84
3.5.5 1993 Commercial Motor Vehicle Involved Accidents, Road Incline by Accident Severity ..	84
3.5.6 1993 Commercial Motor Vehicle Involved Accidents, Road Conditions by Accident Severity	85
3.5.7 1993 Commercial Motor Vehicle Involved Accidents, Highway Classification by Accident Severity	85
3.5.8 1993 Commercial Motor Vehicle Involved Accidents, Highway Classification by Area Classification and Accident Severity	86
3.5.9 1993 Missouri Commercial Motor Vehicle Accidents, Type of Circumstance Involved by Accident Severity and Person Classification	89
3.5.10 Commercial Motor Vehicles Involved in 1993 Missouri Accidents, Type of Commercial Motor Vehicle by Accident Severity	90
3.5.11 Commercial Motor Vehicles Involved in 1993 Missouri Accidents, Driver Involvement by Accident Severity	91
3.5.12 Drivers of Commercial Motor Vehicles Involved in 1993 Missouri Accidents, Sex of Driver by Accident Severity	91
3.5.13 Drivers of Commercial Motor Vehicles Involved in 1993 Missouri Accidents, Age of Driver by Accident Severity	92
3.5.14 Drivers of Commercial Motor Vehicles Involved in 1993 Missouri Accidents, Driver's License State and Type by Accident Severity	93
3.5.15 1993 Commercial Motor Vehicle Involved Accidents, County Quartile Analysis	94
3.5.16 1993 Commercial Motor Vehicle Involved Accidents, City Listing	96

Motorcycle Involvement

3.6.1 1993 Missouri Traffic Accidents, Motorcycle Involvement	98
3.6.2 1992 and 1993 Motorcycle Involved Accident Analysis	99
3.6.3 1993 Motorcycle Involved Accidents, Accident Type by Accident Severity	99
3.6.4 1993 Motorcycle Involved Accidents, Area Classification by Accident Severity	100
3.6.5 1993 Motorcycle Involved Accidents, Road Curvature by Accident Severity	100
3.6.6 1993 Motorcycle Involved Accidents, Road Incline by Accident Severity	100
3.6.7 1993 Motorcycle Involved Accidents, Road Conditions by Accident Severity	101

TABLES

		PAGE
3.6.8	1993 Motorcycle Involved Accidents, Highway Classification by Accident Severity	101
3.6.9	1993 Motorcycle Involved Accidents, Highway Classification by Area Classification and Accident Severity	102
3.6.10	1993 Missouri Motorcycle Accidents, Type of Circumstance Involved by Accident Severity and Person Classification	105
3.6.11	Motorcycles Involved in 1993 Missouri Accidents, Driver Involvement by Accident Severity	106
3.6.12	Drivers of Motorcycles Involved in 1993 Missouri Accidents, Sex of Driver by Accident Severity	106
3.6.13	Drivers of Motorcycles Involved in 1993 Missouri Accidents, Age of Driver by Accident Severity	107
3.6.14	Drivers of Motorcycles Involved in 1993 Missouri Accidents, Type of Helmet Usage by Personal Injury Severity	108
3.6.15	1993 Motorcycle Involved Accidents, County Quartile Analysis	109
3.6.16	1993 Motorcycle Involved Accidents, City Listing	111

School Bus Involvement

3.7.1	1993 Missouri Traffic Accidents, School Bus Involvement	114
3.7.2	Direct School Bus Involvement in 1993 Missouri School Bus Accidents, Status by Accident Severity	115
3.7.3	1993 School Bus Involved Accidents, Accident Type by Accident Severity	115
3.7.4	1993 School Bus Involved Accidents, Area Classification by Accident Severity	116
3.7.5	1993 School Bus Involved Accidents, Road Curvature by Accident Severity	116
3.7.6	1993 School Bus Involved Accidents, Road Incline by Accident Severity	116
3.7.7	1993 School Bus Involved Accidents, Road Conditions by Accident Severity	117
3.7.8	1993 School Bus Involved Accidents, Highway Classification by Accident Severity	117
3.7.9	1993 School Bus Involved Accidents, Highway Classification by Area Classification and Accident Severity	118
3.7.10	1993 Missouri School Bus Accidents, Type of Circumstance Involved by Accident Severity and Person Classification	121
3.7.11	School Buses Involved in 1993 Missouri Accidents, Driver Involvement by Accident Severity	122
3.7.12	Drivers of School Buses Involved in 1993 Missouri Accidents, Sex of Driver by Accident Severity	122
3.7.13	Drivers of School Buses Involved in 1993 Missouri Accidents, Age of Driver by Accident Severity	123
3.7.14	Drivers of School Buses Involved in 1993 Missouri Accidents, Driver's License State and Type by Accident Severity	124
3.7.15	1993 School Bus Involved Accidents, County Quartile Analysis	125
3.7.16	1993 School Bus Involved Accidents, City Listing	127

Bicycle Involvement

3.8.1	1993 Missouri Traffic Accidents, Bicycle Involvement	130
3.8.2	1992 and 1993 Bicycle Involved Accident Analysis	131
3.8.3	1993 Bicycle Involved Accidents, Area Classification by Accident Severity	131
3.8.4	1993 Bicycle Involved Accidents, Road Curvature by Accident Severity	131
3.8.5	1993 Bicycle Involved Accidents, Road Incline by Accident Severity	132
3.8.6	1993 Bicycle Involved Accidents, Road Conditions by Accident Severity	132
3.8.7	1993 Bicycle Involved Accidents, Highway Classification by Accident Severity	133

TABLES

		PAGE
3.8.8	1993 Missouri Bicycle Accidents, Type of Circumstance Involved by Accident Severity and Person Classification	136
3.8.9	Bicycles Involved in 1993 Missouri Accidents, Driver Involvement by Accident Severity	137
3.8.10	Bicycle Drivers Involved in 1993 Missouri Accidents, Sex of Driver by Accident Severity	137
3.8.11	Bicycle Drivers Involved in 1993 Missouri Accidents, Age of Driver by Accident Severity	138
3.8.12	1993 Bicycle Involved Accidents, Other Types of Vehicles Involved by Accident Severity	139
3.8.13	1993 Bicycle Involved Accidents, County Quartile Analysis	140
3.8.14	1993 Bicycle Involved Accidents, City Listing	142

Pedestrian Involvement

3.9.1	1993 Missouri Traffic Accidents, Pedestrian Involvement	146
3.9.2	1992 and 1993 Pedestrian Involved Accident Analysis	147
3.9.3	1993 Pedestrian Involved Accidents, Area Classification by Accident Severity	147
3.9.4	1993 Pedestrian Involved Accidents, Road Curvature by Accident Severity	147
3.9.5	1993 Pedestrian Involved Accidents, Road Incline by Accident Severity	148
3.9.6	1993 Pedestrian Involved Accidents, Road Conditions by Accident Severity	148
3.9.7	1993 Pedestrian Involved Accidents, Highway Classification by Accident Severity	149
3.9.8	1993 Pedestrian Involved Accidents, Highway Classification by Area Classification and Accident Severity	150
3.9.9	1993 Missouri Pedestrian Accidents, Type of Circumstance Involved by Accident Severity and Person Classification	153
3.9.10	Pedestrians Involved in 1993 Missouri Accidents, Sex of Pedestrian by Personal Injury Severity	154
3.9.11	Pedestrians Involved in 1993 Missouri Accidents, Age of Pedestrian by Personal Injury Severity	154
3.9.12	Pedestrians Involved in 1993 Missouri Accidents, Pedestrian Actions by Age Group	155
3.9.13	Drivers of Vehicles Striking Pedestrians in 1993 Missouri Accidents, Sex of Driver by Accident Severity	156
3.9.14	Drivers of Vehicles Striking Pedestrians in 1993 Missouri Accidents, Age of Driver by Accident Severity	156
3.9.15	Drivers of Vehicles Striking Pedestrians in 1993 Missouri Accidents, Type of Vision Obstruction by Accident Severity	157
3.9.16	Drivers of Vehicles Striking Pedestrians in 1993 Missouri Accidents, Type of Vehicle Driven by Accident Severity	158
3.9.17	1993 Pedestrian Involved Accidents, County Quartile Analysis	159
3.9.18	1993 Pedestrian Involved Accidents, City Listing	161

Fixed Object Involvement

3.10.1	1993 Missouri Traffic Accidents, Fixed Object Involvement	164
3.10.2	1992 and 1993 Fixed Object Accident Analysis	165
3.10.3	1993 Fixed Object Accidents, Area Classification by Accident Severity	165
3.10.4	1993 Fixed Object Accidents, Road Curvature by Accident Severity	165
3.10.5	1993 Fixed Object Accidents, Road Incline by Accident Severity	166
3.10.6	1993 Fixed Object Accidents, Road Conditions by Accident Severity	166
3.10.7	1993 Fixed Object Accidents, Highway Classification by Accident Severity	167

TABLES

	PAGE
3.10.8 1993 Fixed Object Accidents, Highway Classification by Area Classification and Accident Severity	168
3.10.9 1993 Fixed Object Accidents, Type of Object Struck by Accident Severity	169
3.10.10 1993 Missouri Fixed Object Accidents, Type of Circumstance Involved by Accident Severity and Person Classification	172
3.10.11 1993 Missouri Fixed Object Accidents, Type of Vehicle Striking Fixed Object by Accident Severity	173
3.10.12 Vehicles Striking Fixed Objects in 1993 Missouri Accidents, Driver Involvement by Accident Severity	174
3.10.13 Drivers of Vehicles Striking Fixed Objects in 1993 Missouri Accidents, Sex of Driver by Accident Severity	174
3.10.14 Driver of Vehicles Striking Fixed Objects in 1993 Missouri Accidents, Age of Driver by Accident Severity	175
3.10.15 Drivers of Vehicles Striking Fixed Objects in 1993 Missouri Accidents, Driver's License State and Type by Accident Severity	176
3.10.16 1993 Fixed Object Accidents, County Quartile Analysis	177
3.10.17 1993 Fixed Object Accidents, City Listing	179
 Hazardous Material Involvement	
3.11.1 1993 Missouri Traffic Accidents, Hazardous Material Involvement	182
3.11.2 1992 and 1993 Hazardous Material Involved Accident Analysis	183
3.11.3 1993 Hazardous Material Involved Accidents, Accident Type by Accident Severity	183
3.11.4 1993 Hazardous Material Involved Accidents, Area Classification by Accident Severity	184
3.11.5 1993 Hazardous Material Involved Accidents, Road Curvature by Accident Severity	184
3.11.6 1993 Hazardous Material Involved Accidents, Road Incline by Accident Severity	184
3.11.7 1993 Hazardous Material Involved Accidents, Road Conditions by Accident Severity	185
3.11.8 1993 Hazardous Material Involved Accidents, Highway Classification by Accident Severity	185
3.11.9 Vehicles Carrying Hazardous Materials Involved in 1993 Missouri Accidents, Type of Vehicle by Accident Severity	188
3.11.10 Vehicles Carrying Hazardous Materials Involved in 1993 Missouri Accidents, Type of Hazardous Material Carried by Spillage and Accident Severity	188
3.11.11 1993 Missouri Hazardous Material Accidents, Type of Circumstance Involved by Accident Severity and Person Classification	189
3.11.12 Vehicles Carrying Hazardous Materials Involved in 1993 Missouri Accidents, Driver Involvement by Accident Severity	190
3.11.13 Drivers of Vehicles Carrying Hazardous Materials Involved in 1993 Missouri Accidents, Sex of Driver by Accident Severity	190
3.11.14 Drivers of Vehicles Carrying Hazardous Materials Involved in 1993 Missouri Accidents, Age of Driver by Accident Severity	191
3.11.15 Drivers of Vehicles Carrying Hazardous Materials Involved in 1993 Missouri Accidents, Driver's License State and Type by Accident Severity	192
3.11.16 1993 Hazardous Material Involved Accidents, County Quartile Analysis	193
3.11.17 1993 Hazardous Material Involved Accidents, City Listing	195

TABLES

PAGE

Construction Zone Involvement

3.12.1	1993 Missouri Traffic Accidents, Construction Zone Involvement	198
3.12.2	1992 and 1993 Construction Zone Involved Accident Analysis	199
3.12.3	1993 Construction Zone Involved Accidents, Accident Type by Accident Severity	199
3.12.4	1993 Construction Zone Involved Accidents, Area Classification by Accident Severity	200
3.12.5	1993 Construction Zone Involved Accidents, Road Curvature by Accident Severity	200
3.12.6	1993 Construction Zone Involved Accidents, Road Incline by Accident Severity	200
3.12.7	1993 Construction Zone Involved Accidents, Road Conditions by Accident Severity	201
3.12.8	1993 Construction Zone Involved Accidents, Highway Classification by Accident Severity	201
3.12.9	Vehicles Involved in 1993 Missouri Construction Zone Accidents, Type of Vehicle by Accident Severity	204
3.12.10	1993 Missouri Construction Zone Accidents, Type of Circumstance Involved by Accident Severity	205
3.12.11	Vehicles Involved in 1993 Missouri Construction Zone Accidents, Driver Involvement by Accident Severity	206
3.12.12	Drivers of Vehicles Involved in 1993 Missouri Construction Zone Accidents, Sex of Driver by Accident Severity	206
3.12.13	Drivers of Vehicles Involved in 1993 Missouri Construction Zone Accidents, Age of Driver by Accident Severity	207
3.12.14	Drivers of Vehicles Involved in 1993 Missouri Construction Zone Accidents, Driver's License State and Type by Accident Severity	208
3.12.15	1993 Construction Zone Involved Accidents, County Quartile Analysis	209
3.12.16	1993 Construction Zone Involved Accidents, City Listing	211

Seat Belt Usage

3.13.1	1993 Missouri Traffic Accidents, Drivers and Passengers of Automobiles, Trucks, Vans, and Motor Homes, Personal Injury Severity by Seat Belt Usage	214
3.13.2	1993 Missouri Traffic Accidents, Drivers of Automobiles, Trucks, Vans, and Motor Homes, Area Classification by Seat Belt Usage	215
3.13.3	1993 Missouri Traffic Accidents, Drivers of Automobiles, Trucks, Vans, and Motor Homes, Weather Conditions by Seat Belt Usage	215
3.13.4	1993 Missouri Traffic Accidents, Drivers of Automobiles, Trucks, Vans, and Motor Homes, Highway Classification by Seat Belt Usage	216
3.13.5	1993 Missouri Traffic Accidents, Drivers of Automobiles, Trucks, Vans, and Motor Homes, Month of Year by Seat Belt Usage	217
3.13.6	1993 Missouri Traffic Accidents, Drivers of Automobiles, Trucks, Vans, and Motor Homes, Day of Week by Seat Belt Usage	218
3.13.7	1993 Missouri Traffic Accidents, Drivers of Automobiles, Trucks, Vans, and Motor Homes, Hour of Day by Seat Belt Usage	219
3.13.8	1993 Missouri Traffic Accidents, Drivers of Automobiles, Trucks, Vans, and Motor Homes, Sex of Driver by Seat Belt Usage	220
3.13.9	1993 Missouri Traffic Accidents, Drivers of Automobiles, Trucks, Vans, and Motor Homes, Driver Ejection by Seat Belt Usage	220
3.13.10	1993 Missouri Traffic Accidents, Drivers of Automobiles, Trucks, Vans, and Motor Homes, Age of Driver by Seat Belt Usage	221

TABLES

	PAGE
3.13.11 1993 Missouri Traffic Accidents, Drivers of Automobiles, Trucks, Vans, and Motor Homes, Driver's License State and Type by Seat Belt Usage	222
3.13.12 1993 Missouri Traffic Accidents, Drivers of Automobiles, Trucks, Vans, and Motor Homes, Type of Vehicle Driven by Seat Belt Usage	223
3.13.13 1993 Missouri Traffic Accidents, Drivers of Automobiles, Trucks, Vans, and Motor Homes, Driver Intoxication by Seat Belt Usage	223
3.13.14 1993 Missouri Traffic Accidents, Drivers of Automobiles, Trucks, Vans, and Motor Homes, Seat Belt Usage Rates, County Quartile Analysis	224
3.13.15 Automobile / Truck / Van / Motor Home Occupants Under the Age of Four Years Killed and Injured in Missouri Accidents, 1981 - 1983 Average Compared to 1984 - 1992 Average and 1993	227

MISSOURI COUNTY AND CITY TRAFFIC ACCIDENT ANALYSIS

4.0.1 1993 Missouri Traffic Accidents, County and City Summary	231
4.0.2 1993 Missouri Traffic Accidents, Multi-County City Summary	267

FIGURES

PAGE

MISSOURI TRAFFIC SAFETY PERSONAL INJURY PROBLEM ANALYSIS CLOCK

1.0.1	Missouri Traffic Safety Personal Injury Problem Analysis Clock, 1993	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 Accidents, Annual Time Series	12
2.0.4	Missouri Fatal and Personal Injury Accidents, Annual Time Series	12

MISSOURI DETAIL TRAFFIC SAFETY PROBLEM ANALYSIS

Speed Involvement

3.1.1	1993 Missouri Speed Involved Accidents, Month of Year	21
3.1.2	1993 Missouri Speed Involved Accidents, Day of Week	21
3.1.3	1993 Missouri Speed Involved Accidents, Hour of Day	22
3.1.4	Missouri Fatal and Personal Injury Speed Involved Accidents, Annual Time Series	30

Drinking Involvement

3.2.1	1993 Missouri Drinking Involved Accidents, Month of Year	37
3.2.2	1993 Missouri Drinking Involved Accidents, Day of Week	37
3.2.3	1993 Missouri Drinking Involved Accidents, Hour of Day	38
3.2.4	Missouri Fatal and Personal Injury Drinking Involved Accidents, Annual Time Series	48

Young Driver Involvement

3.3.1	1993 Missouri Young Driver Involved Accidents, Month of Year	55
3.3.2	1993 Missouri Young Driver Involved Accidents, Day of Week	55
3.3.3	1993 Missouri Young Driver Involved Accidents, Hour of Day	56
3.3.4	Missouri Fatal and Personal Injury Young Driver Involved Accidents, Annual Time Series	64

Older Driver Involvement

3.4.1	1993 Missouri Older Driver Involved Accidents, Month of Year	71
3.4.2	1993 Missouri Older Driver Involved Accidents, Day of Week	71
3.4.3	1993 Missouri Older Driver Involved Accidents, Hour of Day	72
3.4.4	Missouri Fatal and Personal Injury Older Driver Involved Accidents, Annual Time Series	80

FIGURES

PAGE

Commercial Motor Vehicle Involvement

3.5.1	1993 Missouri Commercial Motor Vehicle Involved Accidents, Month of Year	87
3.5.2	1993 Missouri Commercial Motor Vehicle Involved Accidents, Day of Week	87
3.5.3	1993 Missouri Commercial Motor Vehicle Involved Accidents, Hour of Day	88

Motorcycle Involvement

3.6.1	1993 Missouri Motorcycle Involved Accidents, Month of Year	103
3.6.2	1993 Missouri Motorcycle Involved Accidents, Day of Week	103
3.6.3	1993 Missouri Motorcycle Involved Accidents, Hour of Day	104
3.6.4	Missouri Fatal and Personal Injury Motorcycle Involved Accidents, Annual Time Series ..	112

School Bus Involvement

3.7.1	1993 Missouri School Bus Involved Accidents, Month of Year	119
3.7.2	1993 Missouri School Bus Involved Accidents, Day of Week	119
3.7.3	1993 Missouri School Bus Involved Accidents, Hour of Day	120

Bicycle Involvement

3.8.1	1993 Missouri Bicycle Involved Accidents, Month of Year	134
3.8.2	1993 Missouri Bicycle Involved Accidents, Day of Week	134
3.8.3	1993 Missouri Bicycle Involved Accidents, Hour of Day	135
3.8.4	Missouri Fatal and Personal Injury Bicycle Involved Accidents, Annual Time Series	143

Pedestrian Involvement

3.9.1	1993 Missouri Pedestrian Involved Accidents, Month of Year	151
3.9.2	1993 Missouri Pedestrian Involved Accidents, Day of Week	151
3.9.3	1993 Missouri Pedestrian Involved Accidents, Hour of Day	152
3.9.4	Missouri Fatal and Personal Injury Pedestrian Accidents, Annual Time Series	162

Fixed Object Involvement

3.10.1	1993 Missouri Fixed Object Accidents, Month of Year	170
3.10.2	1993 Missouri Fixed Object Accidents, Day of Week	170
3.10.3	1993 Missouri Fixed Object Accidents, Hour of Day	171
3.10.4	Missouri Fatal and Personal Injury Fixed Object Accidents, Annual Time Series	180

Hazardous Material Involvement

3.11.1	1993 Missouri Hazardous Material Involved Accidents, Month of Year	186
3.11.2	1993 Missouri Hazardous Material Involved Accidents, Day of Week	186
3.11.3	1993 Missouri Hazardous Material Involved Accidents, Hour of Day	187

FIGURES

PAGE

Construction Zone Involvement

3.12.1	1993 Missouri Construction Zone Involved Accidents, Month of Year	202
3.12.2	1993 Missouri Construction Zone Involved Accidents, Day of Week	202
3.12.3	1993 Missouri Construction Zone Involved Accidents, Hour of Day	203
3.12.4	Missouri Fatal and Personal Injury Construction Zone Accidents, Annual Time Series.	212

Seat Belt Usage

3.13.1	Percent of Drivers Wearing Seat Belts, Monthly Time Series	226
--------	------------------------------------------------------------------	-----

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 accident 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 accident and severity experience, emphasis is placed on the most recent year (1993).

This edition of the Compendium is different than earlier versions. The truck involvement section has been replaced by a commercial motor vehicle involvement section. In addition, the selection criteria for identifying school bus and alcohol-involved traffic accidents has been upgraded to be more inclusive.

In 1993, Missouri had a total of 177,796 traffic accidents. The economic loss associated with these traffic accidents was estimated to be \$3,296,590,000. In these traffic accidents, 0.5% (843) involved one or more persons being killed in the incident. In addition, 27.6% (49,038) involved no persons being killed but one or more persons being injured in the incident.

In 1993, a total of 949 persons died in Missouri traffic accidents. One person was killed every 9.2 hours. The death rate (the number of deaths per 100 million miles of travel) was 1.7 in 1993. Missouri experienced a decrease of 10.5% in its death rate compared to 1992. In 1992, the death rate was 1.9.

A total of 77,517 persons were injured in traffic accidents in 1993. One person was injured every 6.8 minutes.

Data are provided in this Compendium identifying causal factors or characteristics of Missouri's traffic accident 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 accident experience especially as it relates to accidents involving death and injury. Of all 1993 Missouri traffic accidents, 18.7% were speed related. Of all fatal accidents, 38.3% were speed related. A total of 361 persons were killed and 17,993 were injured in this type of accident. In 1993, one person was killed or injured every 28.6 minutes in speed related traffic accidents in the State of Missouri.
- Drinking involvement was a significant contributing factor in Missouri's serious traffic accident experience in 1993. Of all 1993 Missouri traffic accidents, 5.6% involved a person drinking. However, of all fatal accidents, 26.9% had a person drinking. A total of 243 persons were killed and 7,603 were injured in these accidents. In 1993, one person was killed or injured in drinking-involved accidents every 1.1 hours in the State. It should be noted that drinking involvement is being under-reported as a causal factor in traffic accidents 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 accidents in the State of Missouri. Of all 1993 traffic accidents, 28.6% involved one or more drivers under the age of 21. Of all fatal accidents, 24.2% involved a young driver. Their involvement in Missouri traffic accidents becomes even more significant when it is recognized that drivers under 21 made up only 7.5% of all Missouri's licensed drivers. A total of 241 persons were killed and 24,267 were injured in traffic accidents involving young drivers. In 1993, one person was killed or injured in a young driver involved traffic accident every 21.4 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 accidents. Of all 1993 traffic accidents, 25.6% involved an older driver. Of all fatal accidents, 27.9% involved an older driver. A total of 254 persons were killed and 18,598 were injured in these traffic accidents. In 1993, one person was killed or injured in an older driver involved traffic accident every 27.9 minutes in the State of Missouri.

- Commercial motor vehicles were involved in a significant number of Missouri traffic accidents. In 1993, 9.1% of all traffic accidents involved a commercial motor vehicle. When examining fatal traffic accidents, 15.9% involved a commercial motor vehicle. A total of 155 persons were killed and 5,615 were injured in commercial motor vehicle related accidents. As a result, one person was killed or injured in commercial motor vehicle involved traffic accidents every 1.5 hours in the State.
- Although motorcycle related traffic accidents 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 accidents occurring in the State in 1993, 28.1% resulted in a person being killed or injured. However, in motorcycle involved accidents, 80.3% resulted in a death or personal injury. In 1993, 0.7% of all traffic accidents involved a motorcycle. In fatal traffic accidents, 3.4% involved a motorcycle. A total of 30 persons were killed and 1,197 were injured in motorcycle traffic accidents. One person was killed or injured in these accidents every 7.1 hours in the State of Missouri.
- Although school buses are not involved in a large number of traffic accidents in the State of Missouri they are important due to their potential for causing death and injury to young children. Of all 1993 Missouri traffic accidents, 0.9% involved a school bus or school bus signal. A total of 5 persons were killed and 784 were injured in these accidents. In 1993, one person was killed or injured in school bus involved traffic accidents every 11.1 hours in the State of Missouri.
- Although bicycle related traffic accidents 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 accidents occurring in the State in 1993, 28.1% resulted in a person being killed or injured. However, in bicycle traffic accidents, 86.7% resulted in a death or personal injury. In addition, young children account for a large proportion of the bicyclists involved in traffic accidents. The average age of bicycle drivers involved in 1993 traffic accidents was 17.3 years. Of all 1993 Missouri traffic accidents, 0.6% involved a bicycle. Of all fatal traffic accidents, 1.0% were bicycle related. A total of 8 persons were killed and 842 were injured in these traffic accidents. One person was killed or injured in a bicycle traffic accident every 10.3 hours in the State.
- Although pedestrian related traffic accidents 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 accidents occurring in the State in 1993, 28.1% resulted in a person being killed or injured. However, in pedestrian traffic accidents, 96.2% 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 accidents. Of all 1993 Missouri traffic accidents, 1.2% involved a pedestrian. Of all fatal traffic accidents, 12.2% involved a pedestrian. A total of 105 persons were killed and 2,194 were injured in these traffic accidents. One person was killed or injured in a pedestrian traffic accident every 3.8 hours in the State of Missouri.
- Motor vehicles striking fixed objects account for a large number of traffic accidents in the State of Missouri, especially those resulting in death or personal injury. Of all 1993 Missouri traffic accidents, 15.5% involved a fixed object being struck as part of the first harmful event. In fatal accidents, 32.2% involved a fixed object. A total of 292 persons were killed and 12,909 were injured in fixed object traffic accidents. One person was killed or injured every 39.8 minutes in this type of accident in the State.
- Although hazardous materials are not involved in a large number of traffic accidents 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 1993 traffic accidents, 0.1% involved hazardous materials. Of all fatal traffic accidents, 0.4% were hazardous material related. A total of 3 persons were killed and 99 were injured in hazardous material accidents. One person was killed or injured in these accidents every 3.6 days in the State of Missouri.

- Construction zones are not involved in a large number of traffic accidents 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 1993, 0.8% of all traffic accidents involved a construction zone. When examining fatal traffic accidents, 1.3% were associated with a construction zone. A total of 15 persons were killed and 640 were injured in construction zone related traffic accidents. As a result, one person was killed or injured in this type of accident every 13.4 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 accident. The State of Missouri has recognized the benefit seat belt usage has on reducing traffic accident 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, or truck involved in a 1993 Missouri traffic accident had a 1 in 4 chance of being injured if they were not wearing their seat belt. However, if they were wearing a seat belt, their chance of being injured was 1 in 7. When examining driver deaths, the difference is much more dramatic. A driver involved in a 1993 Missouri traffic accident had a 1 in 123 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 1,615.

INTRODUCTION

This Compendium presents data identifying the scope, magnitude, and severity of the traffic accident problem in Missouri. In addition, data are presented which identify specific traffic accident/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 (1993).

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 1993 Missouri Traffic Safety Personal Injury Problem Analysis Clock. This clock offers an overview of the frequency of deaths and injuries caused by traffic accidents in the State in relation to time. The second section provides data related to Missouri's total traffic accident experience from a 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 accident experience as it relates to specific types of causative factors or characteristics which affect the frequency of occurrence or accident 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 Zone Involvement
- Seat Belt Usage

The last section of the Compendium provides summary data on the 1993 traffic accident 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 accident activity related to the problem areas discussed in the previous section of the Compendium (Seat Belt Usage is the only exception).

The 1993 Compendium is substantially different when compared to prior editions. The section describing truck involvement in Missouri's traffic accident experience has been replaced by a new section describing commercial motor vehicle involvement. A new definition was adopted to identify alcohol-involved traffic accident activity. In the past, an alcohol-involved traffic accident was considered an incident in which one or more drivers of motorized vehicles were drinking and their intoxicated condition contributed to the cause of the traffic accident. Under the new definition, a traffic accident would be classified as alcohol-involved if **any** driver or pedestrian was drinking and their intoxicated condition contributed to the cause of the accident. The definition of school bus involved traffic accidents also was expanded. In the past, to be considered a school bus involved traffic accident, the bus had to be directly involved in the incident. School bus involvement now includes those traffic accidents where the school bus is **not** directly involved but its school bus signal is a traffic control in the incident.

Data for this Compendium were obtained from a variety of sources. Traffic accident 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 accidents 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 traffic accident 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 Highway and Transportation Department (MHTD).

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 the 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 accident problem could be different which would result in discrepancies in data display presentations.

Discrepancies also may be found if comparisons are made with MHTD publications related to State-maintained roadway traffic accident statistics. The MHTD reviews all STARS traffic accident reports individually. If the traffic accident occurs on a State-maintained roadway, the location of the accident is analyzed and its location is 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 accident statistics on the Missouri State-maintained highway system only, it is recommended that MHTD publications be utilized.

1.0 MISSOURI TRAFFIC SAFETY PERSONAL INJURY PROBLEM ANALYSIS CLOCK

THIS CLOCK SUMMARIZES PERSONS KILLED AND INJURED IN TRAFFIC ACCIDENTS IN THE STATE OF MISSOURI DURING 1993 IN RELATION TO TIME. IN ADDITION, IT SUMMARIZES DEATHS AND INJURIES OCCURRING IN TRAFFIC ACCIDENTS 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 ACCIDENT ACTIVITY; RATHER, IT REPRESENTS THE ANNUAL RATIO OF DEATHS AND PERSONAL INJURIES TO FIXED TIME INTERVALS.

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

1993

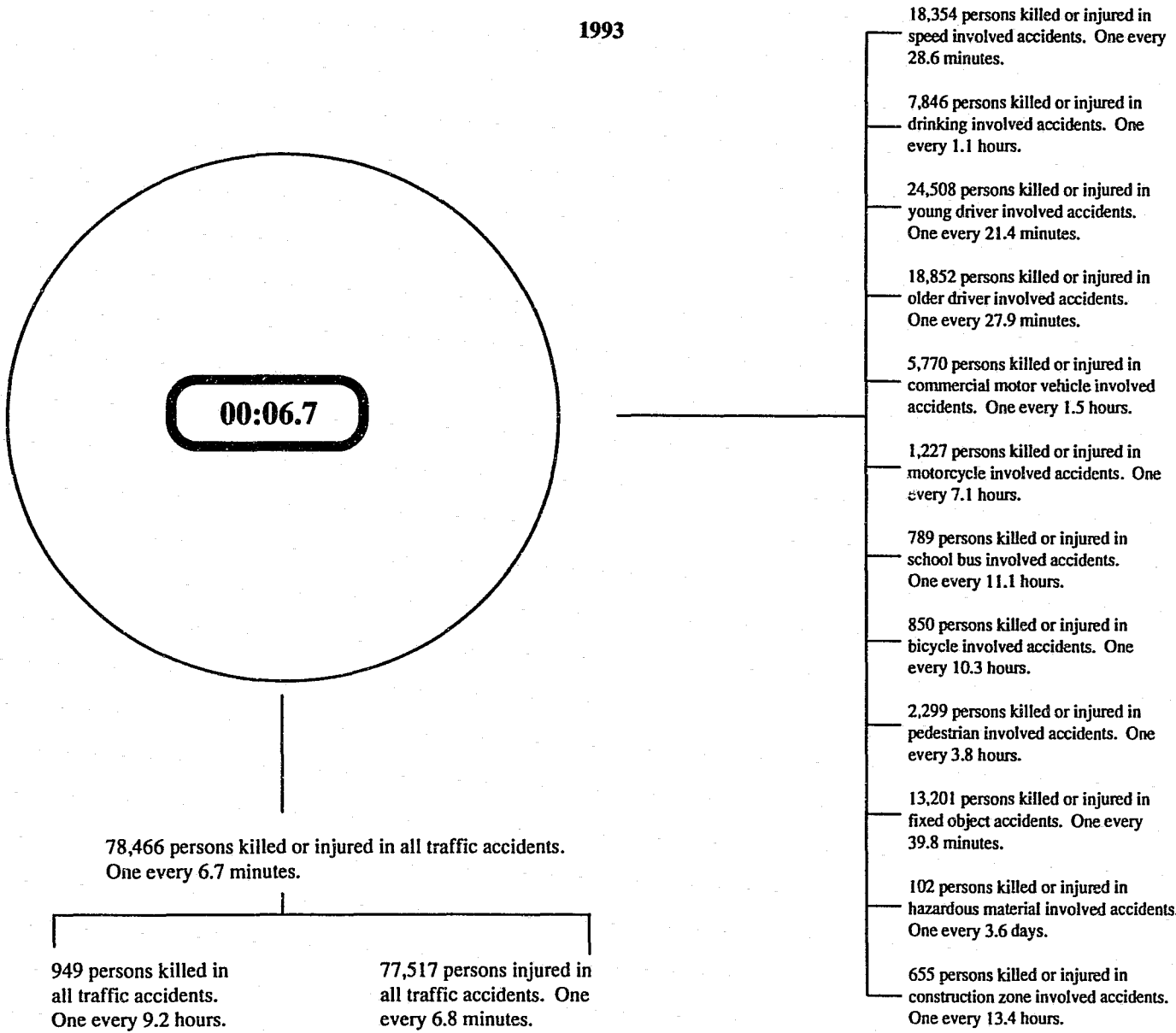


FIGURE 1.0.1

2.0 MISSOURI STATEWIDE TRAFFIC SAFETY ANALYSIS

A SERIES OF TABLES AND FIGURES SUMMARIZES MISSOURI'S TRAFFIC ACCIDENT EXPERIENCE FROM A 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 A HISTORICAL OVERVIEW OF THE FREQUENCY AND SERIOUSNESS OF MISSOURI'S TRAFFIC ACCIDENT 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

1969 - 1993

Year	Killed	Injured ¹	Economic Loss	Licensed ² Drivers	Vehicles ³ Registered	Miles ³ Travelled	Death Rate ⁴	Injury Rate ⁵
1969	1,528	53,200	200,772,000	2,500,000	2,291,323	25,460,000,000	6.0	215.0
1970	1,467	51,200	319,040,000	2,458,000	2,430,508	25,785,000,000	5.7	204.3
1971	1,415	49,400	306,145,000	2,719,000	2,540,391	27,077,000,000	5.2	187.7
1972	1,482	51,590	411,688,200	2,775,589	2,673,714	29,248,000,000	5.1	181.5
1973	1,452	50,715	389,056,500	2,936,063	2,797,887	30,748,000,000	4.7	169.7
1974	1,046	52,196	343,790,000	2,963,188	2,892,591	29,710,000,000	3.5	179.2
1975	1,075	53,369	420,440,000	2,971,765	2,942,285	30,675,000,000	3.5	177.5
1976	1,209	56,725	501,700,000	3,033,752	3,011,762	32,501,000,000	3.7	178.3
1977	1,211	63,694	599,340,000	3,157,175	3,122,378	33,329,000,000	3.6	194.7
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 ⁶	3,454,548	4,039,447	53,108,000,000	1.9	134.7
1993	949	77,517	3,296,590,000 ⁷	3,499,278	4,097,716	54,821,000,000	1.7	143.1

¹Number of persons injured are estimates from 1969 through 1973.

²Licensed drivers data were obtained from the Missouri Department of Revenue.

³Vehicle registration and miles travelled data were obtained from the Missouri Highway and Transportation Department.

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

⁵Number of deaths and injuries per 100 million miles of vehicle travel.

⁶The 1992 cost estimate is different than that previously published as a result of one rural fatality being reclassified as an urban fatality.

⁷Due to changes in the National Safety Council's Cost Estimates, 1993 cost figures are not comparable to prior years' cost figures.

TABLE 2.0.1

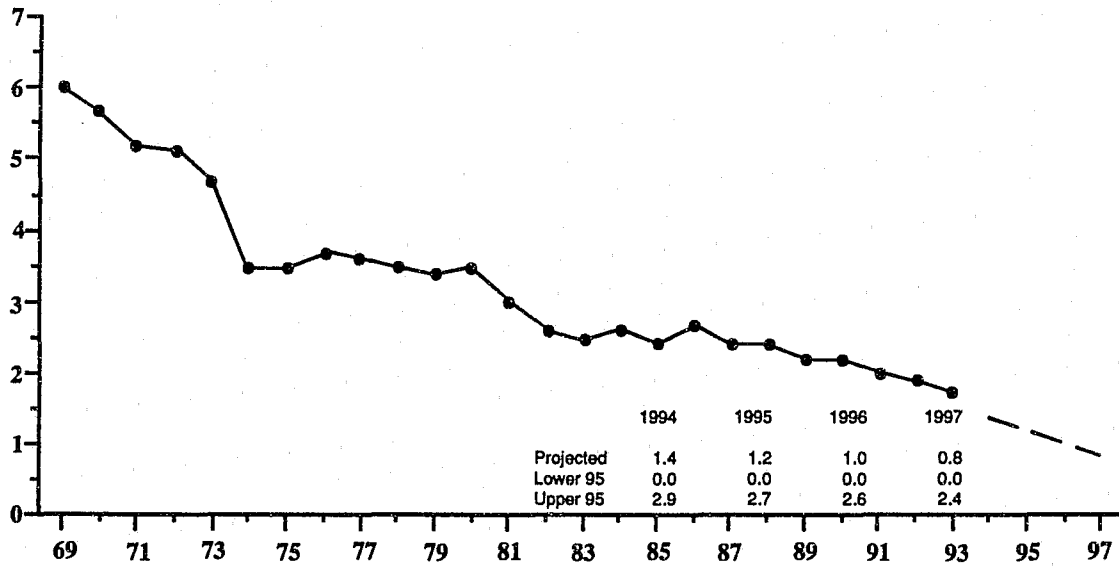
1984 - 1993 MISSOURI TRAFFIC ACCIDENTS

YEAR BY ACCIDENT SEVERITY

YEAR	FATAL		PERSONAL INJURY		PROPERTY DAMAGE		TOTAL
1984	864		42,585		114,342		157,791
ROW %		0.5		27.0		72.5	100.0
1985	841		44,350		125,224		170,415
ROW %		0.5		26.0		73.5	100.0
1986	984		45,780		121,982		168,746
ROW %		0.6		27.1		72.3	100.0
1987	940		44,683		123,811		169,434
ROW %		0.6		26.4		73.1	100.0
1988	978		45,291		123,830		170,099
ROW %		0.6		26.6		72.8	100.0
1989	936		44,602		123,918		169,456
ROW %		0.6		26.3		73.1	100.0
1990	943		46,702		123,925		171,570
ROW %		0.5		27.3		72.2	100.0
1991	906		43,923		117,242		162,071
ROW %		0.6		27.1		72.3	100.0
1992	874		45,395		117,167		163,436
ROW %		0.5		27.8		71.7	100.0
1993	843		49,038		127,915		177,796
ROW %		0.5		27.6		71.9	100.0

TABLE 2.0.2

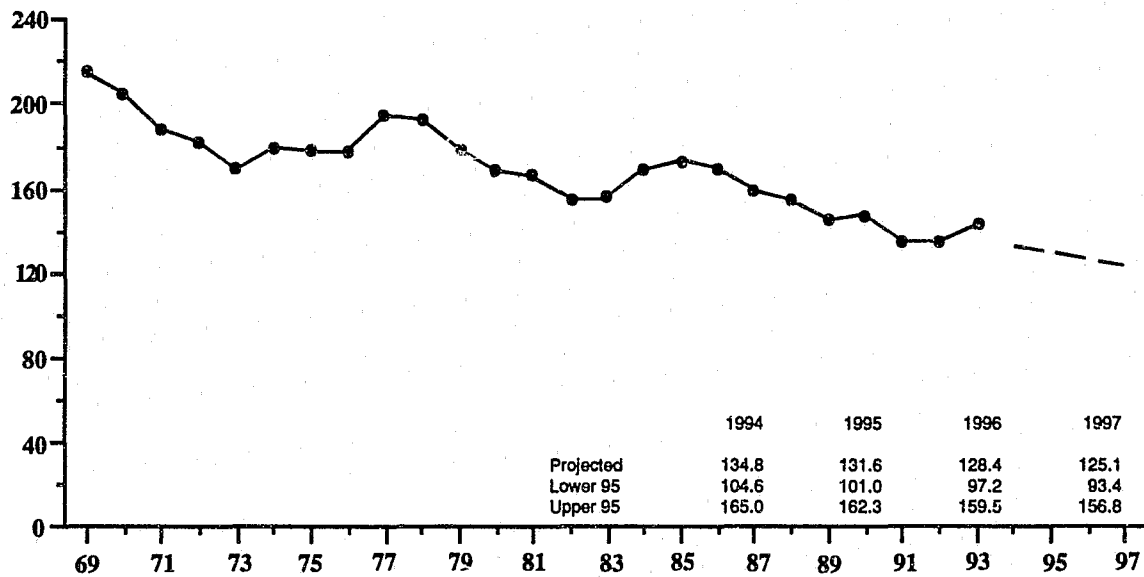
**MISSOURI DEATH RATE¹
ANNUAL TIME SERIES**



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

FIGURE 2.0.1

**MISSOURI INJURY RATE¹
ANNUAL TIME SERIES**



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

FIGURE 2.0.2

MISSOURI FATAL ACCIDENTS ANNUAL TIME SERIES

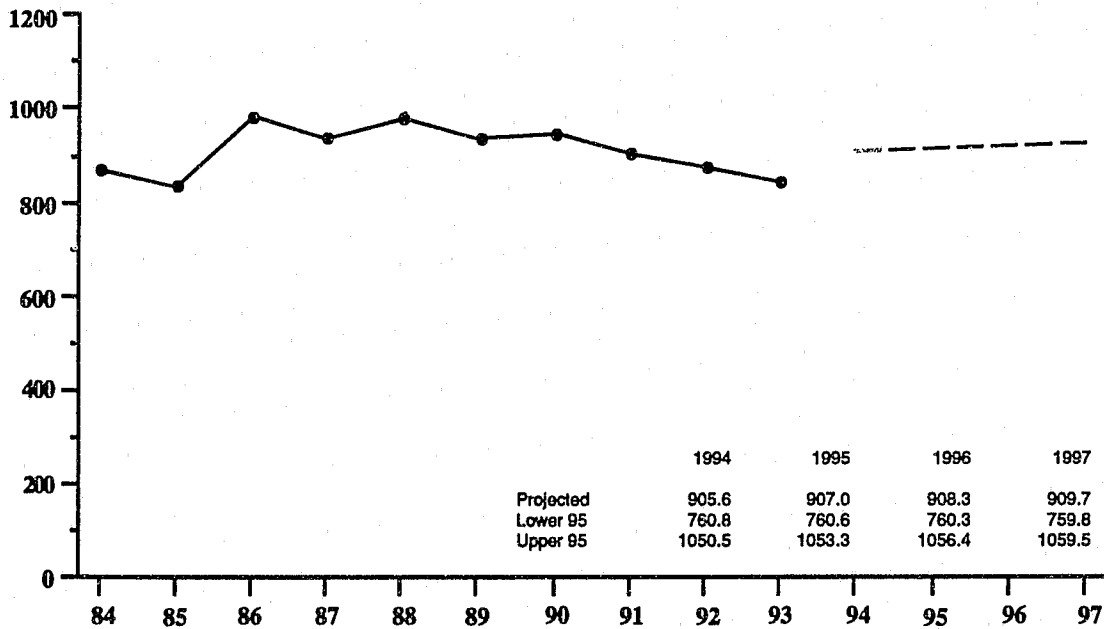


FIGURE 2.0.3

MISSOURI FATAL AND PERSONAL INJURY ACCIDENTS ANNUAL TIME SERIES

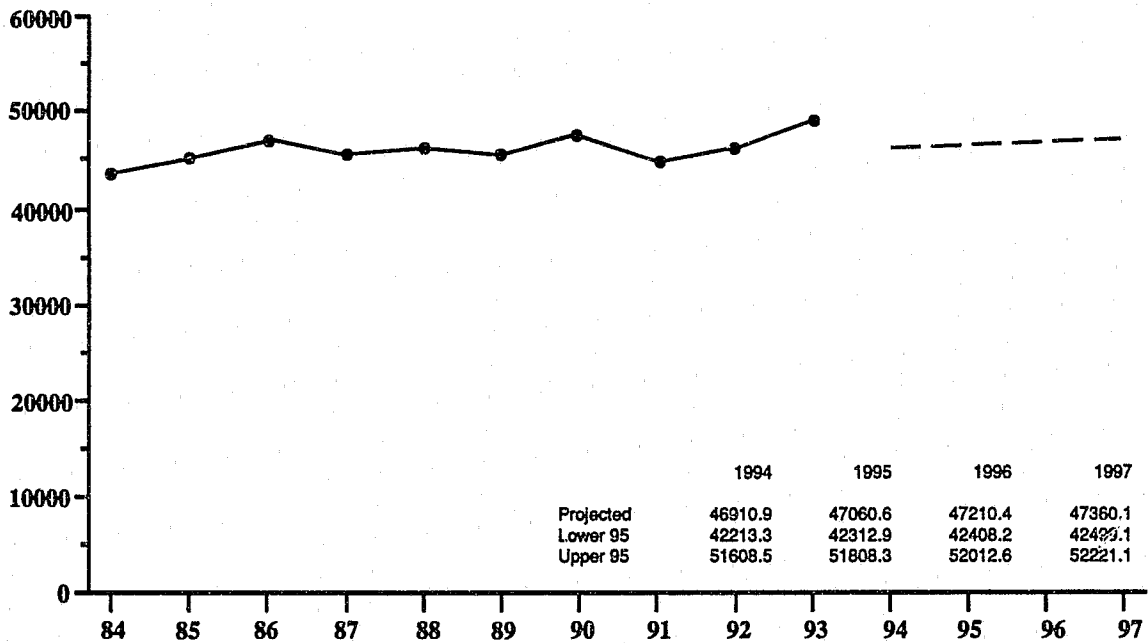


FIGURE 2.0.4

3.0 MISSOURI DETAIL TRAFFIC SAFETY PROBLEM ANALYSIS

A SERIES OF TABLES AND FIGURES SUMMARIZES MISSOURI'S TRAFFIC ACCIDENT EXPERIENCE AS IT RELATES TO SPECIFIC TYPES OF CAUSATIVE FACTORS OR CHARACTERISTICS WHICH AFFECT THE FREQUENCY OF OCCURRENCE OR THE SEVERITY OF THE ACCIDENT. 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 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 accident experience. Speed involved traffic accidents are defined as any accident 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 accident. Data displays also are presented which identify characteristics of the speeding driver involved in these traffic accidents.

1993 SUMMARY ANALYSIS

- Of all 1993 Missouri traffic accidents, 18.7% were speed related. Of all fatal traffic accidents, 38.3% were speed related. A total of 361 persons were killed and 17,993 were injured in speed related traffic accidents.
- There was an increase of 21.9% in the rate of change when comparing total 1993 speed related accidents with those occurring in 1992. There was a decrease of 3.9% when comparing 1993 fatal speed-related traffic crashes with 1992.
- In 1993, one person was killed or injured in a speed related traffic accident every 28.6 minutes in the State of Missouri.
- Of all 1993 speed related traffic accidents, the first harmful event in 51.5% of the incidents involved one motor vehicle in transport striking another motor vehicle in transport. In 34.1% of the cases, the first harmful event involved a motor vehicle striking a fixed object. Of all fatal speed related traffic accidents, 49.2% involved a motor vehicle striking a fixed object.
- Of all 1993 speed related traffic accidents, 55.2% occurred in urban areas of the State and 44.8% occurred in rural areas. However, in fatal speed related traffic accidents, 76.0% occurred in a rural area.
- Of the speeding drivers involved in traffic accidents, 67.0% were male and 33.0% were female. The average age of speeding drivers was 30.6 years.
- Of the speeding drivers, 84.2% had a Missouri driver's license, 11.8% had an out-of-state driver's license, and 4.0% were unlicensed at the time of the traffic accident.
- Of the speeding drivers, 68.0% were driving an automobile and 17.6% were driving a pick-up truck at the time of the accident.
- Of the speeding drivers involved in fatal traffic accidents, 33.4% had been drinking or had taken drugs which also contributed to the cause of the fatal traffic accident.

1993 MISSOURI TRAFFIC ACCIDENTS

SPEED INVOLVEMENT

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	TOTAL NUMBER ¹		SPEEDING DRIVERS ²	
									KILLED	INJURED	KILLED	INJURED
SPEED INVOLVED	317	38.3	11,095	23.2	20,174	16.7	31,586	18.7	361	17,993	208	7,241
NO SPEED INVOLVED	511	61.7	36,683	76.8	100,562	83.3	137,756	81.3	573	57,595	-	-
UNKNOWN ³	15	-	1,260	-	7,179	-	8,454	-	15	1,929	-	-
TOTAL	843	100.0	49,038	100.0	127,915	100.0	177,796	100.0	949	77,517	208	7,241

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

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

³Accidents 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

1992 and 1993 SPEED INVOLVED ACCIDENT ANALYSIS

	1992	1993	RATE OF CHANGE
FATAL	330	317	- 3.9
PERSONAL INJURY	9,526	11,095	+ 16.5
PROPERTY DAMAGE	16,057	20,174	+ 25.6
TOTAL	25,913	31,586	+ 21.9

TABLE 3.1.2

1993 SPEED INVOLVED ACCIDENTS

ACCIDENT TYPE BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
ANIMAL	0	0.0	6	0.1	20	0.1	26	0.1
BICYCLIST	1	0.3	17	0.2	2	0.0	20	0.1
FIXED OBJECT	156	49.2	3,997	36.0	6,615	32.8	10,768	34.1
OTHER OBJECT	2	0.6	32	0.3	110	0.6	144	0.5
PEDESTRIAN	8	2.5	83	0.8	4	0.0	95	0.3
TRAIN	1	0.3	1	0.0	3	0.0	5	0.0
VEHICLE IN TRANSPORT	91	28.7	5,527	49.8	10,661	52.9	16,279	51.5
VEHICLE ON OTHER ROADWAY	9	2.8	59	0.5	59	0.3	127	0.4
PARKED VEHICLE	4	1.3	264	2.4	1,792	8.9	2,060	6.5
NON-COLLISION OVERTURN	42	13.3	1,031	9.3	718	3.6	1,791	5.7
NON-COLLISION OTHER	3	1.0	78	0.7	190	0.9	271	0.9
TOTAL	317	100.0	11,095	100.0	20,174	100.0	31,586	100.0

TABLE 3.1.3

1993 SPEED INVOLVED ACCIDENTS

AREA CLASSIFICATION BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
URBAN	76	24.0	5,235	47.2	12,119	60.1	17,430	55.2
RURAL	241	76.0	5,860	52.8	8,055	39.9	14,156	44.8
TOTAL	317	100.0	11,095	100.0	20,174	100.0	31,586	100.0

TABLE 3.1.4

1993 SPEED INVOLVED ACCIDENTS

ROAD CURVATURE BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
STRAIGHT	180	57.0	7,592	69.4	13,315	75.9	21,087	73.2
CURVE	136	43.0	3,342	30.6	4,229	24.1	7,707	26.8
UNKNOWN	1	-	161	-	2,630	-	2,792	-
TOTAL	317	100.0	11,095	100.0	20,174	100.0	31,586	100.0

TABLE 3.1.5

1993 SPEED INVOLVED ACCIDENTS

ROAD INCLINE BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
LEVEL	129	40.7	6,190	56.7	10,802	61.9	17,121	59.7
HILL	179	56.5	4,422	40.5	6,200	35.5	10,801	37.6
CREST	9	2.8	311	2.9	462	2.7	782	2.7
UNKNOWN	0	-	172	-	2,710	-	2,882	-
TOTAL	317	100.0	11,095	100.0	20,174	100.0	31,586	100.0

TABLE 3.1.6

1993 SPEED INVOLVED ACCIDENTS

ROAD CONDITIONS BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRY	228	71.9	4,960	44.9	6,026	30.1	11,214	35.7
WET	66	20.8	4,496	40.7	8,708	43.4	13,270	42.2
SNOW	12	3.8	634	5.7	2,177	10.9	2,823	9.0
ICE	11	3.5	948	8.6	3,093	15.4	4,052	12.9
MUD	0	0.0	20	0.2	49	0.2	69	0.2
UNKNOWN	0	-	37	-	121	-	158	-
TOTAL	317	100.0	11,095	100.0	20,174	100.0	31,586	100.0

TABLE 3.1.7

1993 SPEED INVOLVED ACCIDENTS

HIGHWAY CLASSIFICATION BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	40	12.6	1,418	12.8	2,805	13.9	4,263	13.5
U.S. HIGHWAY	49	15.5	1,136	10.2	1,695	8.4	2,880	9.1
STATE NUMBERED	72	22.7	1,891	17.0	2,665	13.2	4,628	14.7
SINGLE STATE LETTERED	38	12.0	1,042	9.4	1,074	5.3	2,154	6.8
DOUBLE STATE LETTERED	14	4.4	413	3.7	476	2.4	903	2.9
OUTER ROAD	5	1.6	108	1.0	229	1.1	342	1.1
COUNTY ROAD	48	15.1	1,863	16.8	2,987	14.8	4,898	15.5
CITY STREET	46	14.5	3,041	27.4	7,814	38.7	10,901	34.5
INTERSTATE LOOP	2	0.6	34	0.3	75	0.4	111	0.4
OTHER ¹	3	1.0	149	1.3	354	1.8	506	1.6
TOTAL	317	100.0	11,095	100.0	20,174	100.0	31,586	100.0

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

TABLE 3.1.8

1993 SPEED INVOLVED ACCIDENTS

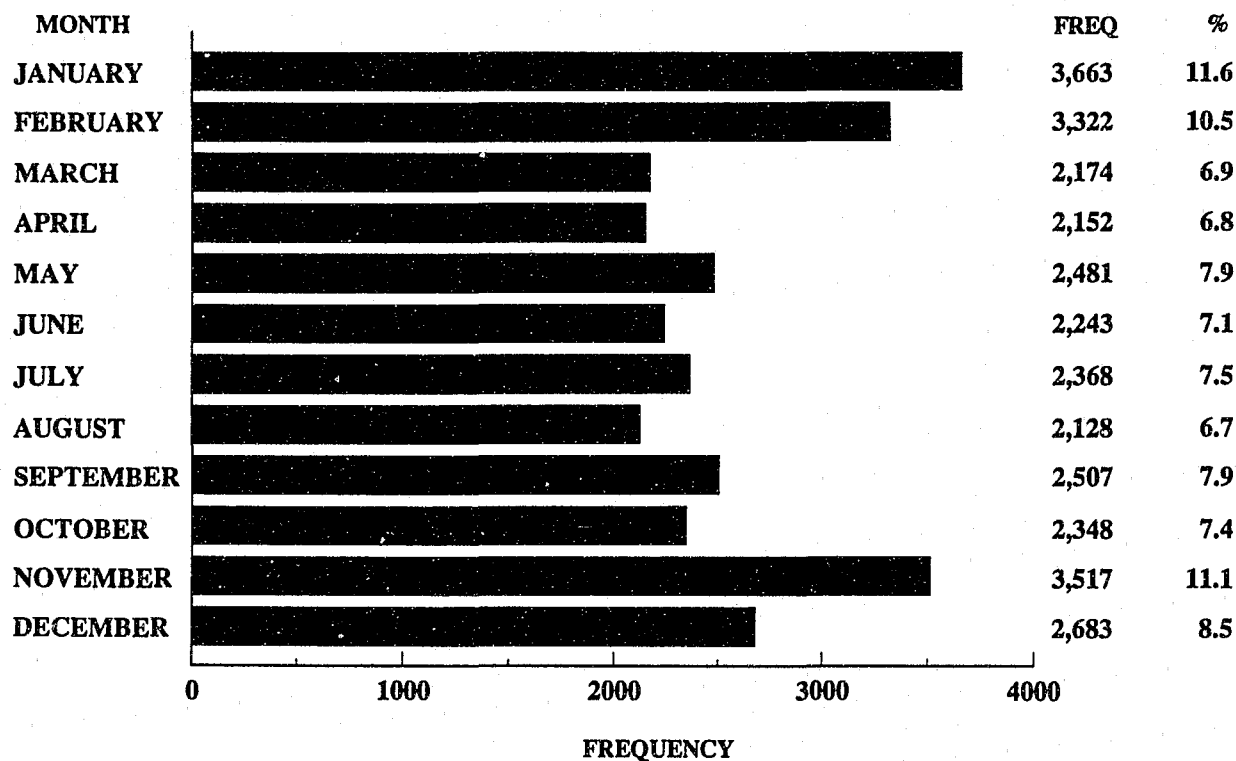
HIGHWAY CLASSIFICATION BY AREA CLASSIFICATION AND ACCIDENT SEVERITY

	URBAN								RURAL							
	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	18	23.7	774	14.8	1,666	13.8	2,458	14.1	22	9.1	644	11.0	1,139	14.1	1,805	12.8
U.S. HIGHWAY	6	7.9	473	9.0	845	7.0	1,324	7.6	43	17.8	663	11.3	850	10.6	1,556	11.0
STATE NUMBERED	2	2.6	537	10.3	986	8.1	1,525	8.8	70	29.1	1,354	23.1	1,679	20.8	3,103	21.9
SINGLE STATE LETTERED	1	1.3	132	2.5	209	1.7	342	2.0	37	15.4	910	15.5	865	10.7	1,812	12.8
DOUBLE STATE LETTERED	0	0.0	60	1.2	128	1.1	188	1.1	14	5.8	353	6.0	348	4.3	715	5.1
OUTER ROAD	0	0.0	63	1.2	159	1.3	222	1.3	5	2.1	45	0.8	70	0.9	120	0.9
COUNTY ROAD	3	4.0	307	5.9	653	5.4	963	5.5	45	18.7	1,556	26.6	2,334	29.0	3,935	27.8
CITY STREET	44	57.9	2,797	53.4	7,198	59.4	10,039	57.6	2	0.8	244	4.2	616	7.7	862	6.1
INTERSTATE LOOP	1	1.3	21	0.4	51	0.4	73	0.4	1	0.4	13	0.2	24	0.3	38	0.3
OTHER ¹	1	1.3	71	1.4	224	1.9	296	1.7	2	0.8	78	1.3	130	1.6	210	1.5
TOTAL	76	100.0	5,235	100.0	12,119	100.0	17,430	100.0	241	100.0	5,860	100.0	8,055	100.0	14,156	100.0

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

TABLE 3.1.9

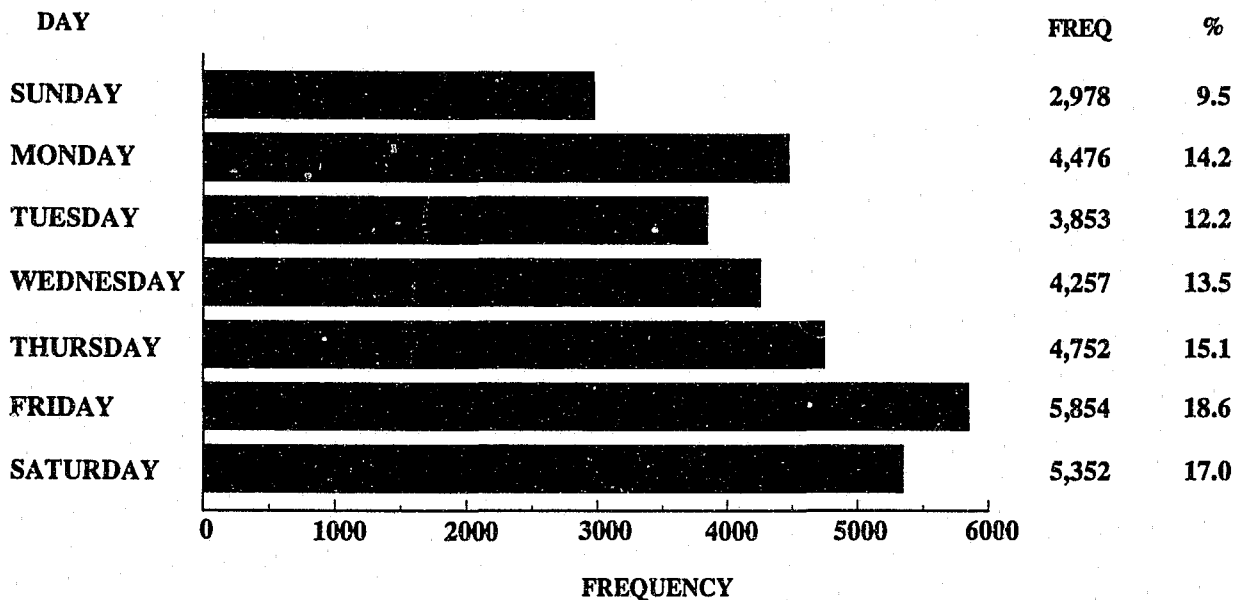
**1993 MISSOURI SPEED INVOLVED ACCIDENTS
MONTH OF YEAR**



UNKNOWN DATA NOT INCLUDED

FIGURE 3.1.1

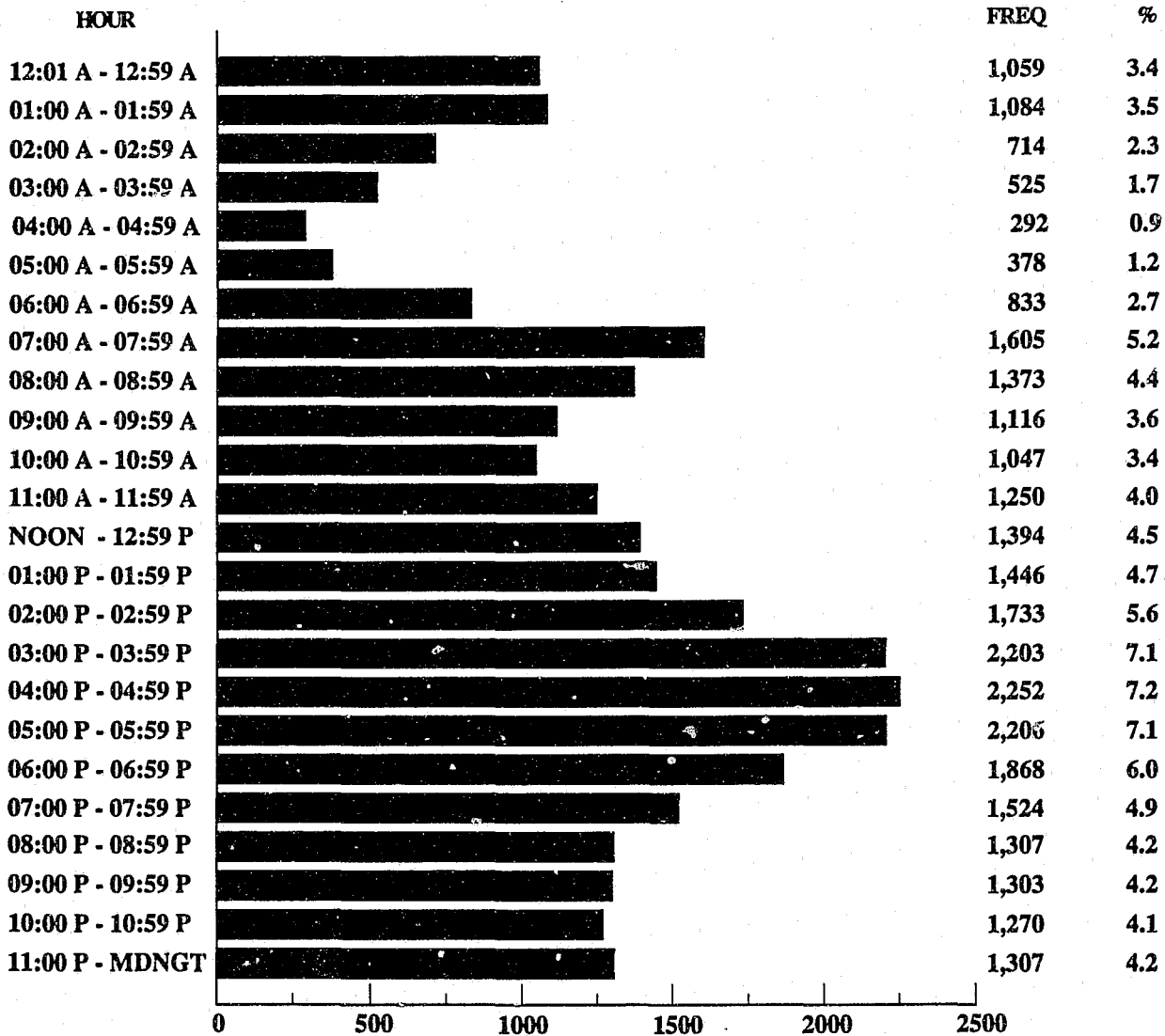
**1993 MISSOURI SPEED INVOLVED ACCIDENTS
DAY OF WEEK**



UNKNOWN DATA NOT INCLUDED

FIGURE 3.1.2

1993 MISSOURI SPEED INVOLVED ACCIDENTS HOUR OF DAY



FREQUENCY

UNKNOWN DATA NOT INCLUDED

FIGURE 3.1.3

DRIVERS OF MOTORIZED VEHICLES SPEEDING IN 1993 MISSOURI ACCIDENTS

TYPE OF SPEEDING VIOLATION

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
EXCEEDING SPEED LIMIT	117	36.6	1,720	14.9	2,343	11.2	4,180	12.7
TOO FAST FOR CONDITIONS	183	57.2	9,403	81.4	18,088	86.2	27,674	84.2
EXCEEDING SPEED LIMIT AND TOO FAST FOR CONDITIONS	20	6.3	425	3.7	556	2.7	1,001	3.1
TOTAL	320	100.0	11,548	100.0	20,987	100.0	32,855	100.0

TABLE 3.1.10

DRIVERS OF MOTORIZED VEHICLES SPEEDING IN 1993 MISSOURI ACCIDENTS

SEX OF DRIVER BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MALE	251	78.9	7,355	66.0	11,414	67.3	19,020	67.0
FEMALE	67	21.1	3,784	34.0	5,535	32.7	9,386	33.0
UNKNOWN	2	-	409	-	4,038	-	4,449	-
TOTAL	320	100.0	11,548	100.0	20,987	100.0	32,855	100.0

TABLE 3.1.11

DRIVERS OF MOTORIZED VEHICLES SPEEDING IN 1993 MISSOURI ACCIDENTS

AGE OF DRIVER BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AVERAGE AGE OF DRIVER	29.7	-	30.2	-	30.9	-	30.6	-
15 YEARS AND UNDER	2	0.6	110	1.0	130	0.7	242	0.8
16 - 20 YEARS	89	28.1	3,138	28.5	4,727	26.9	7,954	27.5
21 - 25 YEARS	61	19.2	2,074	18.8	3,098	17.6	5,233	18.1
26 - 30 YEARS	41	12.9	1,448	13.1	2,375	13.5	3,864	13.4
31 - 35 YEARS	46	14.5	1,258	11.4	2,031	11.6	3,335	11.5
36 - 40 YEARS	23	7.3	873	7.9	1,535	8.7	2,431	8.4
41 - 45 YEARS	17	5.4	644	5.8	1,120	6.4	1,781	6.2
46 - 50 YEARS	11	3.5	445	4.0	753	4.3	1,209	4.2
51 - 55 YEARS	13	4.1	301	2.7	510	2.9	824	2.9
56 - 60 YEARS	2	0.6	237	2.2	396	2.3	635	2.2
61 - 65 YEARS	6	1.9	187	1.7	321	1.8	514	1.8
66 YEARS AND OVER	6	1.9	314	2.9	567	3.2	887	3.1
UNKNOWN	3	-	519	-	3,424	-	3,946	-
TOTAL	320	100.0	11,548	100.0	20,987	100.0	32,855	100.0

TABLE 3.1.12

DRIVERS OF MOTORIZED VEHICLES SPEEDING IN 1993 MISSOURI ACCIDENTS

DRIVER'S LICENSE STATE AND TYPE BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MISSOURI								
LEARNER'S PERMIT	2	0.7	51	0.5	55	0.4	108	0.4
FOR HIRE	8	2.6	258	2.4	424	2.7	690	2.6
OPERATOR'S LICENSE	216	69.9	8,169	76.8	11,960	77.3	20,345	77.0
MOTORCYCLE ONLY	0	0.0	3	0.0	0	0.0	3	0.0
COMMERCIAL DRIVER'S LICENSE	20	6.5	440	4.1	625	4.0	1,085	4.1
SUB-TOTAL	246	79.6	8,921	83.9	13,064	84.5	22,231	84.2
OUT STATE								
LEARNER'S PERMIT	0	0.0	6	0.1	6	0.0	12	0.1
FOR HIRE	0	0.0	17	0.2	21	0.1	38	0.1
OPERATOR'S LICENSE	33	10.7	1,054	9.9	1,662	10.7	2,749	10.4
MOTORCYCLE ONLY	0	0.0	0	0.0	1	0.0	1	0.0
COMMERCIAL DRIVER'S LICENSE	2	0.7	108	1.0	209	1.4	319	1.2
SUB-TOTAL	35	11.3	1,185	11.1	1,899	12.3	3,119	11.8
UNLICENSED	28	9.1	528	5.0	505	3.3	1,061	4.0
UNKNOWN	11	-	914	-	5,519	-	6,444	-
TOTAL	320	100.0	11,548	100.0	20,987	100.0	32,855	100.0

TABLE 3.1.13

DRIVERS OF MOTORIZED VEHICLES SPEEDING IN 1993 MISSOURI ACCIDENTS

TYPE OF VEHICLE DRIVEN BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AUTOMOBILE	204	63.8	7,644	66.3	14,217	69.0	22,065	68.0
SPORT UTILITY VEHICLE	17	5.3	561	4.9	990	4.8	1,568	4.8
VAN/SMALL BUS	13	4.1	528	4.6	936	4.5	1,477	4.6
BUS	0	0.0	13	0.1	20	0.1	33	0.1
SCHOOL BUS	0	0.0	18	0.2	39	0.2	57	0.2
MOTORCYCLE	13	4.1	258	2.2	29	0.1	300	0.9
MOPED	0	0.0	3	0.0	3	0.0	6	0.0
MOTORHOME / CAMPER	0	0.0	4	0.0	3	0.0	7	0.0
FARM EQUIPMENT	0	0.0	4	0.0	2	0.0	6	0.0
CONSTRUCTION EQUIPMENT	0	0.0	1	0.0	10	0.1	11	0.0
OTHER TRANSPORT DEVICE	0	0.0	8	0.1	6	0.0	14	0.0
PICK-UP TRUCK	62	19.4	2,037	17.7	3,620	17.6	5,719	17.6
OTHER TRUCKS	11	3.4	423	3.7	731	3.6	1,165	3.6
ALL TERRAIN VEHICLE	0	0.0	20	0.2	4	0.0	24	0.1
UNKNOWN	0	-	26	-	377	-	403	-
TOTAL	320	100.0	11,548	100.0	20,987	100.0	32,855	100.0

TABLE 3.1.14

DRIVERS OF MOTORIZED VEHICLES SPEEDING IN 1993 MISSOURI ACCIDENTS

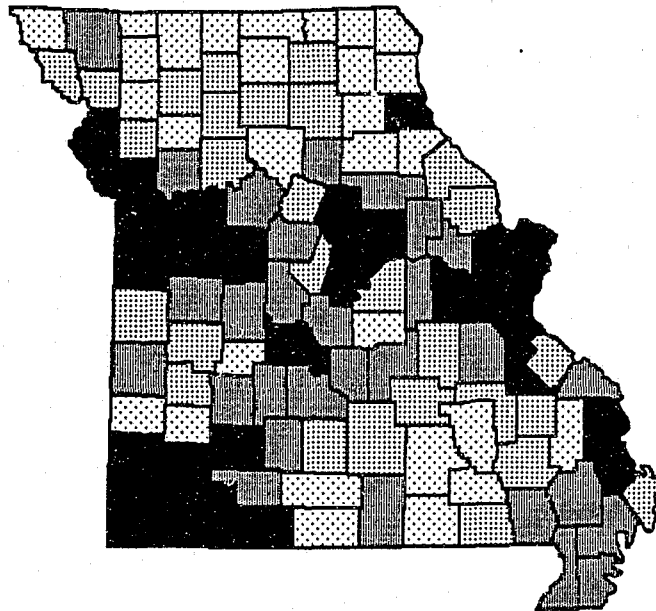
DRIVER INTOXICATION BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRINKING	103	32.2	1,645	14.2	1,129	5.4	2,877	8.8
USING DRUGS	1	0.3	22	0.2	14	0.1	37	0.1
DRINKING AND USING DRUGS	3	0.9	50	0.4	40	0.2	93	0.3
NOT DRINKING OR USING DRUGS/ USE UNKNOWN	213	66.6	9,831	85.1	19,804	94.4	29,848	90.9
TOTAL	320	100.0	11,548	100.0	20,987	100.0	32,855	100.0

TABLE 3.1.15

1993 SPEED INVOLVED ACCIDENTS

COUNTY QUARTILE ANALYSIS



LEGEND:¹

	168 - 6,297
	89 - 163
	42 - 85
	8 - 40

¹LEGEND CATEGORIES ARE BASED ON QUARTILES OF COUNTIES.

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
1.0	ST. LOUIS	6,297	19.9	18.0	JOHNSON	283	0.9
2.0	JACKSON	6,018	19.1	19.0	BARRY	218	0.7
3.0	ST. LOUIS CITY	2,129	6.7	20.0	SCOTT	207	0.7
4.0	JEFFERSON	1,264	4.0	21.0	ST. FRANCOIS	204	0.6
5.0	ST. CHARLES	1,233	3.9	22.0	PETTIS	199	0.6
6.0	CLAY	1,121	3.5	23.0	CALLAWAY	185	0.6
7.0	GREENE	1,032	3.3	24.0	STONE	183	0.6
8.0	BUCHANAN	544	1.7	25.0	CAMDEN	182	0.6
9.0	PLATTE	532	1.7	26.0	LAFAYETTE	179	0.6
10.0	BOONE	527	1.7	27.0	MARION	176	0.6
11.0	JASPER	496	1.6	28.0	LAWRENCE	175	0.6
12.0	CAPE GIRARDEAU	420	1.3	29.0	MC DONALD	168	0.5
13.0	COLE	380	1.2				
14.0	FRANKLIN	377	1.2				First Quartile
15.0	TANEY	322	1.0				
16.0	CASS	320	1.0	30.5	BUTLER	163	0.5
17.0	NEWTON	306	1.0	30.5	PHELPS	163	0.5

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
32.0	CHRISTIAN	159	0.5	74.0	MISSISSIPPI	57	0.2
33.5	POLK	156	0.5	75.0	PIKE	56	0.2
33.5	PULASKI	156	0.5	76.0	CEDAR	53	0.2
35.0	SALINE	151	0.5	77.0	STE. GENEVIEVE	52	0.2
36.0	AUDRAIN	139	0.4	78.0	GRUNDY	51	0.2
37.0	VERNON	137	0.4	79.0	LINN	49	0.2
38.0	HENRY	135	0.4	80.0	RIPLEY	48	0.2
39.0	RAY	131	0.4	82.0	HOLT	47	0.1
40.0	MILLER	130	0.4	82.0	IRON	47	0.1
41.0	HOWELL	126	0.4	82.0	MADISON	47	0.1
42.0	PEMISCOTT	125	0.4	84.0	MACON	46	0.1
43.0	DUNKLIN	124	0.4	85.0	BATES	44	0.1
44.0	RANDOLPH	120	0.4	86.0	HOWARD	42	0.1
45.0	LACLEDE	118	0.4				
46.0	WARREN	115	0.4				Third Quartile
47.0	NODAWAY	106	0.3				
48.0	WEBSTER	103	0.3				Fourth Quartile
49.0	MORGAN	102	0.3	87.5	BARTON	40	0.1
50.5	GASCONADE	100	0.3	87.5	DE KALB	40	0.1
50.5	NEW MADRID	100	0.3	90.0	ATCHISON	39	0.1
52.5	BENTON	99	0.3	90.0	CALDWELL	39	0.1
52.5	WASHINGTON	99	0.3	90.0	RALLS	39	0.1
54.0	FERRY	98	0.3	92.0	MONROE	38	0.1
55.0	COOPER	96	0.3	93.5	BOLLINGER	35	0.1
56.0	MONTGOMERY	94	0.3	93.5	GENTRY	35	0.1
57.0	STODDARD	93	0.3	95.5	HICKORY	33	0.1
58.0	DALLAS	89	0.3	95.5	LEWIS	33	0.1
			Second Quartile	97.0	OZARK	32	0.1
				98.0	DOUGLAS	31	0.1
				99.0	MARIES	30	0.1
				100.0	HARRISON	27	0.1
			Third Quartile	101.5	OREGON	26	0.1
59.5	CLINTON	85	0.3	101.5	SHELBY	26	0.1
59.5	LINCOLN	85	0.3	103.0	CHARITON	25	0.1
61.5	CRAWFORD	73	0.2	104.0	DADE	23	0.1
61.5	WAYNE	73	0.2	105.0	SHANNON	20	0.1
63.0	ADAIR	65	0.2	106.0	CLARK	18	0.1
64.0	LIVINGSTON	64	0.2	107.5	CARTER	17	0.1
65.0	ST. CLAIR	63	0.2	107.5	MERCER	17	0.1
67.0	DENT	62	0.2	109.0	SCOTLAND	16	0.1
67.0	OSAGE	62	0.2	110.0	REYNOLDS	15	0.0
67.0	TEXAS	62	0.2	111.0	SULLIVAN	14	0.0
69.5	CARROLL	60	0.2	112.5	KNOX	13	0.0
69.5	DAVISS	60	0.2	112.5	PUTNAM	13	0.0
71.0	WRIGHT	59	0.2	114.0	SCHUYLER	12	0.0
72.5	ANDREW	58	0.2	115.0	WORTH	8	0.0

TABLE 3.1.16

1993 SPEED INVOLVED ACCIDENTS

CITY LISTING

RANK	CITY	FREQUENCY	PERCENT ¹
1.0	KANSAS CITY	4,787	24.3
2.0	ST. LOUIS	2,129	10.8
3.0	INDEPENDENCE	860	4.4
4.0	SPRINGFIELD	662	3.4
5.0	ST. CHARLES	498	2.5
6.0	ST. JOSEPH	471	2.4
7.0	COLUMBIA	353	1.8
8.0	BLUE SPRINGS	307	1.6
9.0	CAPE GIRARDEAU	285	1.4
10.0	MARYLAND HEIGHTS	271	1.4
11.0	LEE'S SUMMIT	270	1.4
12.0	RICHMOND HEIGHTS	257	1.3
13.0	JEFFERSON CITY	241	1.2
14.0	BRIDGETON	238	1.2
15.0	ST. PETERS	230	1.2
16.0	FLORISSANT	206	1.0
17.0	JOPLIN	196	1.0
18.0	CHESTERFIELD	181	0.9
19.0	LIBERTY	178	0.9
20.0	KIRKWOOD	174	0.9
21.0	CREVE COEUR	171	0.9
22.0	TOWN AND COUNTRY	170	0.9
23.0	ARNOLD	161	0.8
24.0	BERKELEY	146	0.7
25.0	UNIVERSITY CITY	144	0.7
26.0	OVERLAND	136	0.7
27.0	HAZELWOOD	133	0.7
28.5	FERGUSON	130	0.7
28.5	O'FALLON	130	0.7
30.0	WEBSTER GROVES	124	0.6
31.0	SUNSET HILLS	123	0.6
32.0	RAYTOWN	112	0.6
33.0	JENNINGS	110	0.6
34.0	SEDALIA	109	0.6
35.0	BELTON	106	0.5
36.0	HANNIBAL	104	0.5
37.0	GLADSTONE	99	0.5
38.0	WARRENSBURG	94	0.5
39.0	BALLWIN	89	0.5

¹Percentage is based on speed involved accidents which occurred in Missouri municipalities with populations of 1,000 or more. Only those municipalities comprising 0.5% or more of these accidents are listed.

TABLE 3.1.17

MISSOURI FATAL AND PERSONAL INJURY SPEED INVOLVED ACCIDENTS ANNUAL TIME SERIES

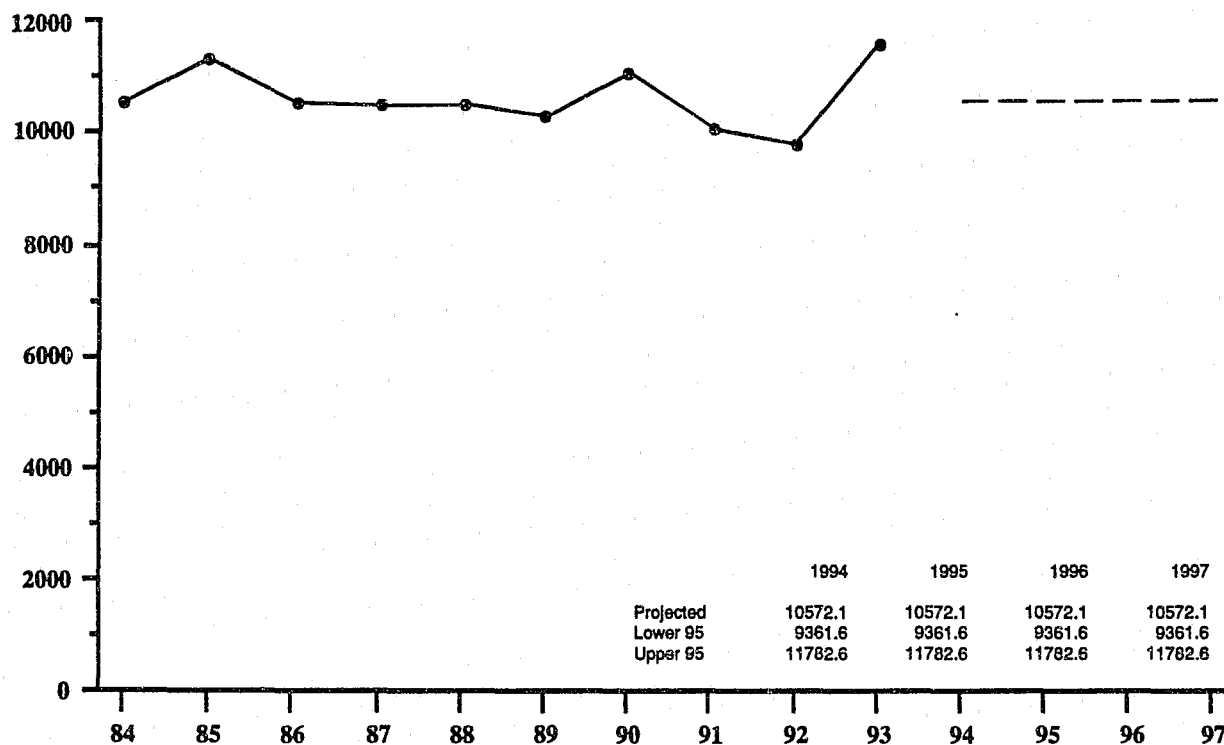


FIGURE 3.1.4

3.2 DRINKING INVOLVEMENT

This section presents a series of data displays which identify drinking involvement in Missouri's traffic accident experience. Drinking involved traffic accidents are defined as any accident 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 accident. Data displays also are presented which identify characteristics of the drinking driver or pedestrian involved in these traffic accidents.

There are strong indications that investigating officers under-report drinking involvement as a contributing factor in traffic accidents. 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 an accident 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 accident. As a result, the apparent problem of under-reporting should be taken into consideration when evaluating data presented in this section.

1993 SUMMARY ANALYSIS

- Of all 1993 Missouri traffic accidents, 5.6% were drinking related. Of all fatal traffic accidents, 26.9% were drinking related. A total of 243 persons were killed and 7,603 were injured in drinking related traffic accidents.
- There was a decrease of 5.5% in the rate of change when comparing total 1993 drinking related traffic accidents with those occurring in 1992.
- In 1993, one person was killed or injured in drinking related traffic accidents every 1.1 hours in the State of Missouri.
- Of all drinking related traffic accidents, 60.3% occurred on Friday, Saturday, or Sunday and 67.0% occurred between 7:00 P.M. and 2:59 A.M.
- Of the persons drinking in 1993 traffic accidents, 98.7% were driving a motorized vehicle, 0.1% were driving a non-motorized vehicle, and 1.1% were pedestrians.
- Of the drinking drivers of motorized vehicles, 82.4% were male and 17.6% were female. The average age of drinking drivers of motorized vehicles was 32.9 years.
- All of the drinking drivers of non-motorized vehicles were male. The average age was 33.3 years.
- Of the drinking pedestrians, 81.7% were male and 18.3% were female. The average age of drinking pedestrians was 37.2 years.
- Of the drinking drivers of motorized and non-motorized vehicles involved in 1993 accidents, 62.1% were driving an automobile, 27.0% were driving a pick-up truck, and 4.4% were driving a sport utility vehicle at the time of the accident.

1993 MISSOURI TRAFFIC ACCIDENTS

DRINKING INVOLVEMENT

	FATAL		PERSONAL INJURY		PROPERTY DAMAGE		TOTAL		TOTAL NUMBER ¹		DRINKING DRIVERS / PEDESTRIAN ²	
		%		%		%		%	KILLED	INJURED	KILLED	INJURED
DRINKING INVOLVED	217	26.9	4,681	10.0	4,577	3.8	9,475	5.6	243	7,603	118	3,755
NO DRINKING INVOLVED	589	73.1	42,256	90.0	115,868	96.2	158,713	94.4	667	67,005	-	-
UNKNOWN ³	37	-	2,101	-	7,470	-	9,608	-	39	2,909	-	-
TOTAL	843	100.0	49,038	100.0	127,915	100.0	177,796	100.0	949	77,517	118	3,755

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

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

³Accidents 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

1992 and 1993 DRINKING INVOLVED ACCIDENT ANALYSIS

	1992	1993	RATE OF CHANGE
FATAL	220	217	-1.4
PERSONAL INJURY	4,872	4,681	-3.9
PROPERTY DAMAGE	4,939	4,577	-7.3
TOTAL	10,031	9,475	-5.5

TABLE 3.2.2

**1993 DRINKING INVOLVED ACCIDENTS
ACCIDENT TYPE BY ACCIDENT SEVERITY**

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
ANIMAL	0	0.0	3	0.1	6	0.1	9	0.1
BICYCLIST	2	0.9	18	0.4	1	0.0	21	0.2
FIXED OBJECT	92	42.4	2,149	45.9	1,850	40.4	4,091	43.2
OTHER OBJECT	2	0.9	20	0.4	40	0.9	62	0.7
PEDESTRIAN	17	7.8	120	2.6	6	0.1	143	1.5
TRAIN	2	0.9	5	0.1	2	0.0	9	0.1
VEHICLE IN TRANSPORT	67	30.9	1,670	35.7	1,758	38.4	3,495	36.9
VEHICLE ON OTHER ROADWAY	4	1.8	12	0.3	7	0.2	23	0.2
PARKED VEHICLE	2	0.9	246	5.3	723	15.8	971	10.3
NON-COLLISION OVERTURN	27	12.4	399	8.5	130	2.8	556	5.9
NON-COLLISION OTHER	2	0.9	39	0.8	54	1.2	95	1.0
TOTAL	217	100.0	4,681	100.0	4,577	100.0	9,475	100.0

TABLE 3.2.3

**1993 DRINKING INVOLVED ACCIDENTS
AREA CLASSIFICATION BY ACCIDENT SEVERITY**

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
URBAN	47	21.7	2,069	44.2	2,610	57.0	4,726	49.9
RURAL	170	78.3	2,612	55.8	1,967	43.0	4,749	50.1
TOTAL	217	100.0	4,681	100.0	4,577	100.0	9,475	100.0

TABLE 3.2.4

**1993 DRINKING INVOLVED ACCIDENTS
ROAD CURVATURE BY ACCIDENT SEVERITY**

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
STRAIGHT	134	61.8	3,368	72.5	3,539	81.0	7,041	76.2
CURVE	83	38.2	1,281	27.5	833	19.0	2,197	23.8
UNKNOWN	0	-	32	-	205	-	237	-
TOTAL	217	100.0	4,681	100.0	4,577	100.0	9,475	100.0

TABLE 3.2.5

**1993 DRINKING INVOLVED ACCIDENTS
ROAD INCLINE BY ACCIDENT SEVERITY**

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
LEVEL	102	47.0	2,895	62.4	3,045	70.1	6,042	65.6
HILL	106	48.9	1,646	35.5	1,219	28.0	2,971	32.3
CREST	9	4.2	101	2.2	83	1.9	193	2.1
UNKNOWN	0	-	39	-	230	-	269	-
TOTAL	217	100.0	4,681	100.0	4,577	100.0	9,475	100.0

TABLE 3.2.6

1993 DRINKING INVOLVED ACCIDENTS
ROAD CONDITIONS BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRY	188	86.6	3,696	79.3	3,414	75.2	7,298	77.5
WET	25	11.5	870	18.7	970	21.4	1,865	19.8
SNOW	2	0.9	38	0.8	82	1.8	122	1.3
ICE	2	0.9	51	1.1	75	1.7	128	1.4
MUD	0	0.0	6	0.1	2	0.0	8	0.1
UNKNOWN	0	-	20	-	34	-	54	-
TOTAL	217	100.0	4,681	100.0	4,577	100.0	9,475	100.0

TABLE 3.2.7

1993 DRINKING INVOLVED ACCIDENTS
HIGHWAY CLASSIFICATION BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	28	12.9	479	10.2	420	9.2	927	9.8
U.S. HIGHWAY	35	16.1	555	11.9	455	9.9	1,045	11.0
STATE NUMBERED	58	26.7	873	18.7	669	14.6	1,600	16.9
SINGLE STATE LETTERED	33	15.2	547	11.7	304	6.6	884	9.3
DOUBLE STATE LETTERED	11	5.1	208	4.4	146	3.2	365	3.9
OUTER ROAD	5	2.3	42	0.9	46	1.0	93	1.0
COUNTY ROAD	23	10.6	610	13.0	504	11.0	1,137	12.0
CITY STREET	19	8.8	1,257	26.9	1,907	41.7	3,183	33.6
INTERSTATE LOOP	3	1.4	38	0.8	30	0.7	71	0.8
OTHER ¹	2	0.9	72	1.5	96	2.1	170	1.8
TOTAL	217	100.0	4,681	100.0	4,577	100.0	9,475	100.0

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

TABLE 3.2.8

1993 DRINKING INVOLVED ACCIDENTS

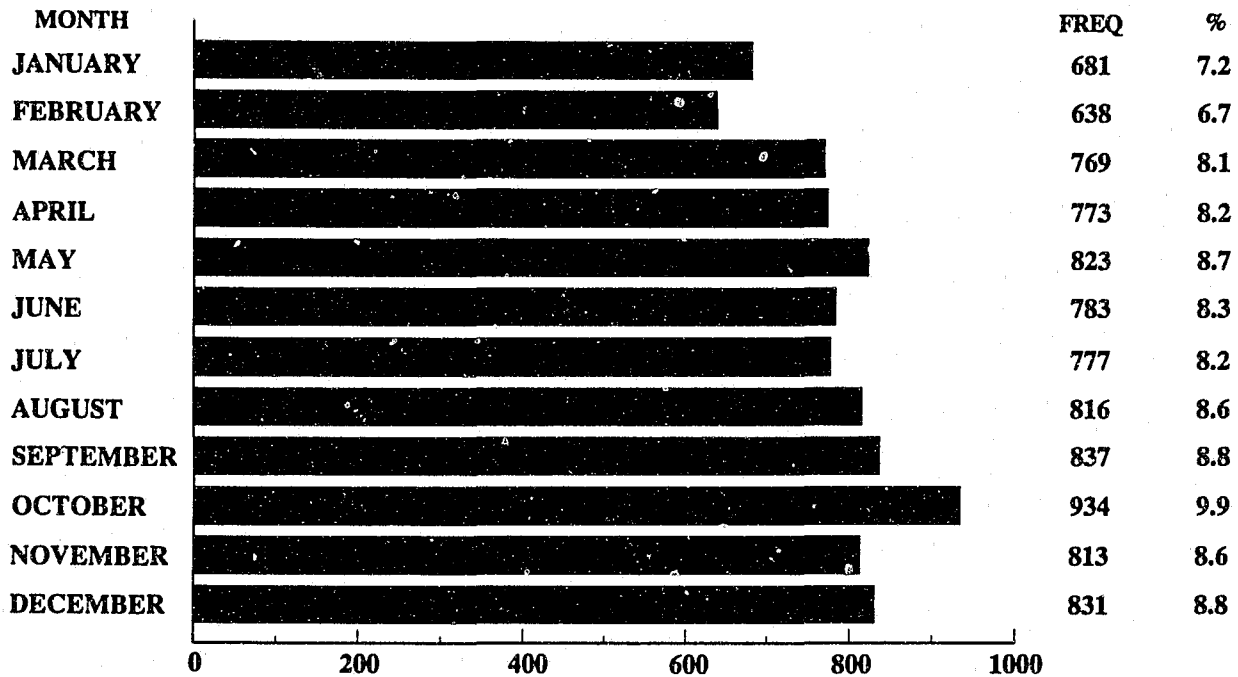
HIGHWAY CLASSIFICATION BY AREA CLASSIFICATION AND ACCIDENT SEVERITY

	URBAN								RURAL							
	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	12	25.5	262	12.7	252	9.7	526	11.1	16	9.4	217	8.3	168	8.5	401	8.4
U.S. HIGHWAY	5	10.6	213	10.3	203	7.8	421	8.9	30	17.7	342	13.1	252	12.8	624	13.1
STATE NUMBERED	6	12.8	226	10.9	239	9.2	471	10.0	52	30.6	647	24.8	430	21.9	1,129	23.8
SINGLE STATE LETTERED	0	0.0	47	2.3	44	1.7	91	1.9	33	19.4	500	19.1	260	13.2	793	16.7
DOUBLE STATE LETTERED	0	0.0	20	1.0	17	0.7	37	0.8	11	6.5	188	7.2	129	6.6	328	6.9
OUTER ROAD	0	0.0	20	1.0	26	1.0	46	1.0	5	2.9	22	0.8	20	1.0	47	1.0
COUNTY ROAD	2	4.3	61	3.0	59	2.3	122	2.6	21	12.4	549	21.0	445	22.6	1,015	21.4
CITY STREET	19	40.4	1,155	55.8	1,699	65.1	2,873	60.8	0	0.0	102	3.9	208	10.6	310	6.5
INTERSTATE LOOP	2	4.3	29	1.4	18	0.7	49	1.0	1	0.6	9	0.3	12	0.6	22	0.5
OTHER ¹	1	2.1	36	1.7	53	2.0	90	1.9	1	0.6	36	1.4	43	2.2	80	1.7
TOTAL	47	100.0	2,069	100.0	2,610	100.0	4,726	100.0	170	100.0	2,612	100.0	1,967	100.0	4,749	100.0

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

TABLE 3.2.9

**1993 MISSOURI DRINKING INVOLVED ACCIDENTS
MONTH OF YEAR**

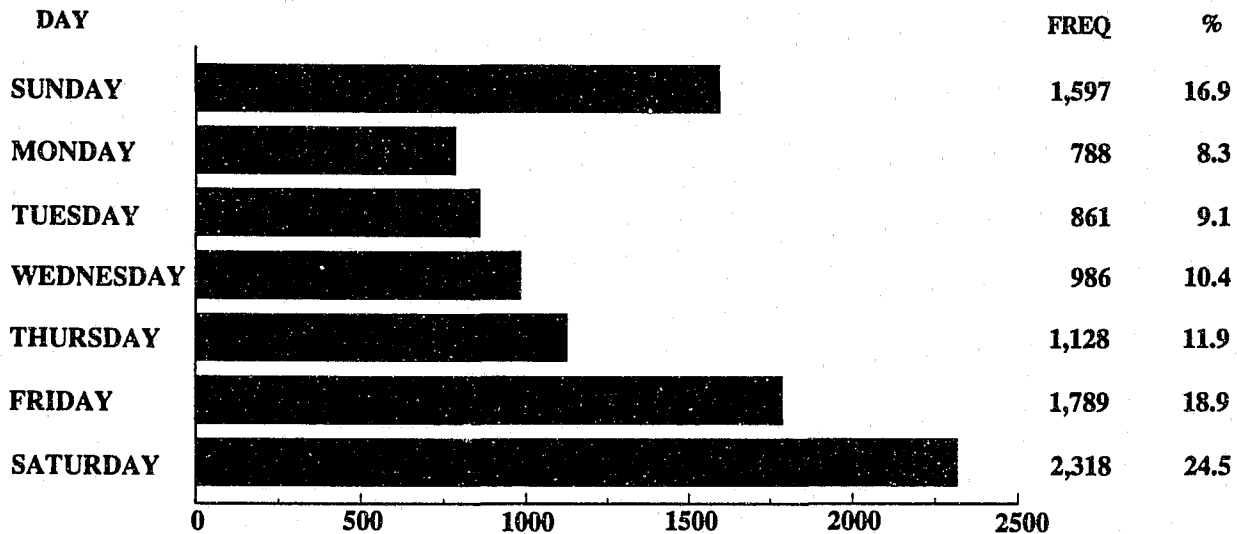


FREQUENCY

UNKNOWN DATA NOT INCLUDED

FIGURE 3.2.1

**1993 MISSOURI DRINKING INVOLVED ACCIDENTS
DAY OF WEEK**

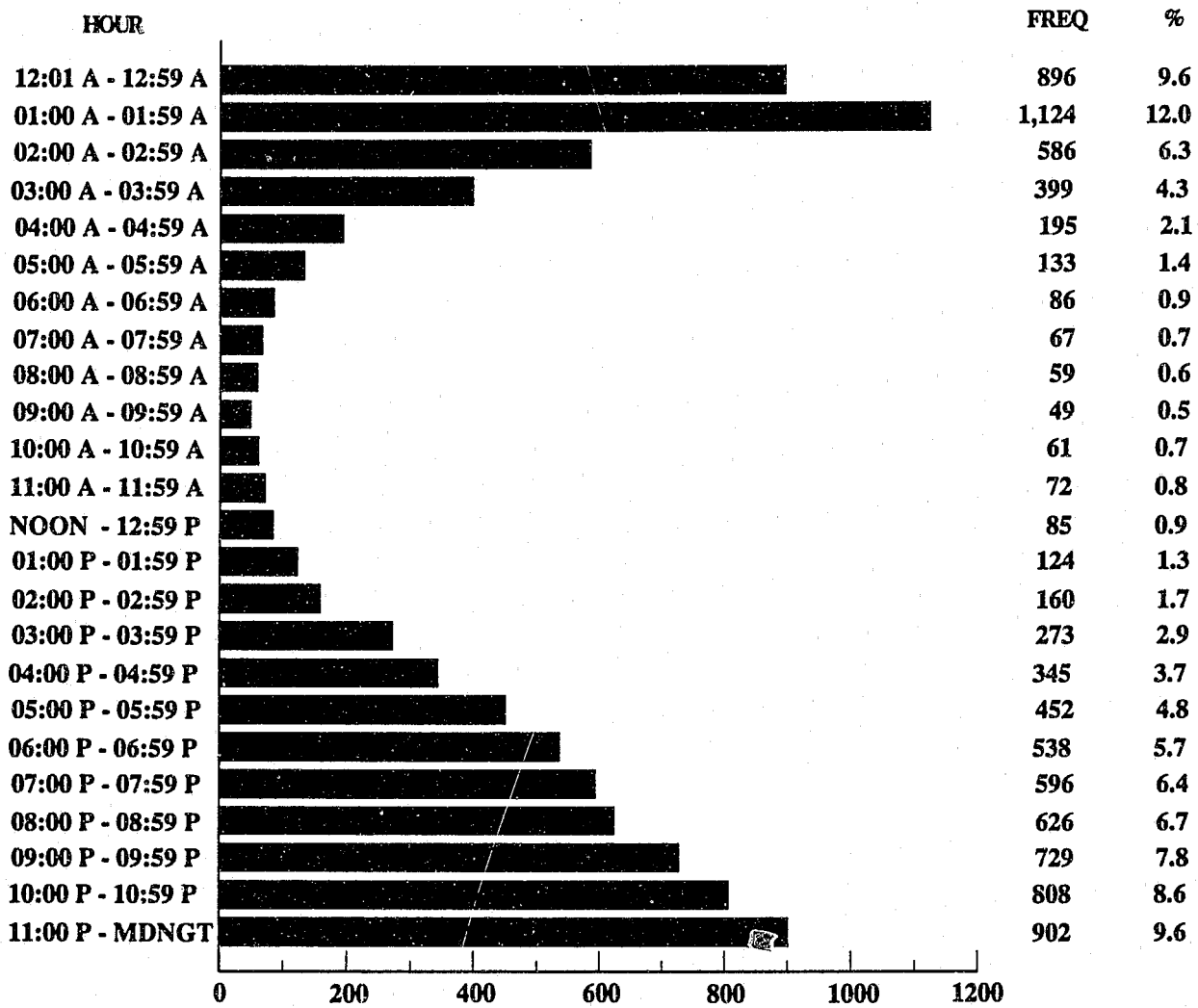


FREQUENCY

UNKNOWN DATA NOT INCLUDED

FIGURE 3.2.2

**1993 MISSOURI DRINKING INVOLVED ACCIDENTS
HOUR OF DAY**



FREQUENCY

UNKNOWN DATA NOT INCLUDED

FIGURE 3.2.3

PERSONS DRINKING IN 1993 MISSOURI ACCIDENTS

PERSON TYPE AND SEX BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MALE								
DRIVERS MOTORIZED VEHICLES	177	81.2	3,724	78.5	3,422	74.4	7,323	76.6
DRIVERS NON-MOTORIZED VEHICLES	0	0.0	9	0.2	2	0.0	11	0.1
PEDESTRIANS	11	5.0	73	1.5	5	0.1	89	0.9
FEMALE								
DRIVERS MOTORIZED VEHICLES	29	13.3	826	17.4	712	15.5	1,567	16.4
DRIVERS NON-MOTORIZED VEHICLES	0	0.0	0	0.0	0	0.0	0	0.0
PEDESTRIANS	1	0.5	19	0.4	0	0.0	20	0.2
SEX UNKNOWN								
DRIVERS MOTORIZED VEHICLES	0	0.0	89	1.9	460	10.0	549	5.7
DRIVERS NON-MOTORIZED VEHICLES	0	0.0	0	0.0	0	0.0	0	0.0
PEDESTRIANS	0	0.0	1	0.0	0	0.0	1	0.0
TOTAL	218	100.0	4,741	100.0	4,601	100.0	9,560	100.0

TABLE 3.2.10

DRIVERS OF MOTORIZED VEHICLES DRINKING IN 1993 MISSOURI ACCIDENTS

AGE OF DRIVER BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AVERAGE AGE OF DRIVER	30.8	-	32.4	-	33.6	-	32.9	-
15 YEARS AND UNDER	1	0.5	6	0.1	5	0.1	12	0.1
16 - 20 YEARS	31	15.1	514	11.4	398	9.6	943	10.6
21 - 25 YEARS	43	20.9	929	20.5	783	18.8	1,755	19.7
26 - 30 YEARS	31	15.1	818	18.1	732	17.6	1,581	17.8
31 - 35 YEARS	44	21.4	793	17.5	780	18.7	1,617	18.2
36 - 40 YEARS	25	12.1	555	12.3	499	12.0	1,079	12.1
41 - 45 YEARS	13	6.3	350	7.7	341	8.2	704	7.9
46 - 50 YEARS	7	3.4	228	5.0	224	5.4	459	5.2
51 - 55 YEARS	4	1.9	128	2.8	144	3.5	276	3.1
56 - 60 YEARS	3	1.5	76	1.7	102	2.5	181	2.0
61 - 65 YEARS	0	0.0	60	1.3	71	1.7	131	1.5
66 YEARS AND OVER	4	1.9	72	1.6	88	2.1	164	1.8
UNKNOWN	0	-	110	-	427	-	537	-
TOTAL	206	100.0	4,639	100.0	4,594	100.0	9,439	100.0

TABLE 3.2.11

DRIVERS OF NON-MOTORIZED VEHICLES DRINKING IN 1993 MISSOURI ACCIDENTS

AGE OF DRIVER BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AVERAGE AGE OF DRIVER	0.0	-	33.7	-	31.5	-	33.3	-
15 YEARS AND UNDER	0	0.0	1	11.1	0	0.0	1	9.1
16 - 20 YEARS	0	0.0	0	0.0	0	0.0	0	0.0
21 - 25 YEARS	0	0.0	0	0.0	0	0.0	0	0.0
26 - 30 YEARS	0	0.0	3	33.3	1	50.0	4	36.4
31 - 35 YEARS	0	0.0	1	11.1	1	50.0	2	18.2
36 - 40 YEARS	0	0.0	3	33.3	0	0.0	3	27.2
41 - 45 YEARS	0	0.0	0	0.0	0	0.0	0	0.0
46 - 50 YEARS	0	0.0	0	0.0	0	0.0	0	0.0
51 - 55 YEARS	0	0.0	1	11.1	0	0.0	1	9.1
56 - 60 YEARS	0	0.0	0	0.0	0	0.0	0	0.0
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	0	0.0	9	100.0	2	100.0	11	100.0

TABLE 3.2.12

PEDESTRIANS DRINKING IN 1993 MISSOURI ACCIDENTS

AGE OF PEDESTRIAN BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AVERAGE AGE OF DRIVER	38.5	-	37.1	-	35.4	-	37.2	-
15 YEARS AND UNDER	0	0.0	0	0.0	0	0.0	0	0.0
16 - 20 YEARS	0	0.0	4	4.5	0	0.0	4	3.8
21 - 25 YEARS	2	16.7	10	11.2	0	0.0	12	11.3
26 - 30 YEARS	2	16.7	10	11.2	0	0.0	12	11.3
31 - 35 YEARS	2	16.7	23	25.8	4	80.0	29	27.4
36 - 40 YEARS	2	16.7	11	12.4	0	0.0	13	12.3
41 - 45 YEARS	1	8.3	14	15.7	0	0.0	15	14.2
46 - 50 YEARS	0	0.0	6	6.7	1	20.0	7	6.6
51 - 55 YEARS	1	8.3	3	3.4	0	0.0	4	3.8
56 - 60 YEARS	1	8.3	4	4.5	0	0.0	5	4.7
61 - 65 YEARS	1	8.3	1	1.1	0	0.0	2	1.9
66 YEARS AND OVER	0	0.0	3	3.4	0	0.0	3	2.8
UNKNOWN	0	-	4	-	0	-	4	-
TOTAL	12	100.0	93	100.0	5	100.0	110	100.0

TABLE 3.2.13

DRIVERS OF MOTORIZED AND NON-MOTORIZED VEHICLES DRINKING IN 1993 MISSOURI ACCIDENTS

TYPE OF VEHICLE DRIVEN BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AUTOMOBILE	116	56.3	2,788	60.0	2,947	64.5	5,851	62.1
SPORT UTILITY VEHICLE	14	6.8	220	4.7	183	4.0	417	4.4
VAN / SMALL BUS	9	4.4	165	3.6	164	3.6	338	3.6
BUS	0	0.0	0	0.0	2	0.0	2	0.0
SCHOOL BUS	0	0.0	0	0.0	0	0.0	0	0.0
MOTORCYCLE	5	2.4	83	1.8	4	0.1	92	1.0
MOPED	0	0.0	0	0.0	1	0.0	1	0.0
BICYCLE	0	0.0	9	0.2	1	0.0	10	0.1
MOTORHOME / CAMPER	0	0.0	2	0.0	3	0.1	5	0.1
FARM EQUIPMENT	0	0.0	3	0.1	2	0.0	5	0.1
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
PICK-UP TRUCK	60	29.1	1,287	27.7	1,196	26.2	2,543	27.0
OTHER TRUCKS	2	1.0	76	1.6	66	1.4	144	1.5
ALL TERRAIN VEHICLE	0	0.0	15	0.3	2	0.0	17	0.2
UNKNOWN	0	-	0	-	25	-	25	-
TOTAL	206	100.0	4,648	100.0	4,596	100.0	9,450	100.0

TABLE 3.2.14

DRIVERS OF MOTORIZED VEHICLES DRINKING IN 1993 MISSOURI ACCIDENTS

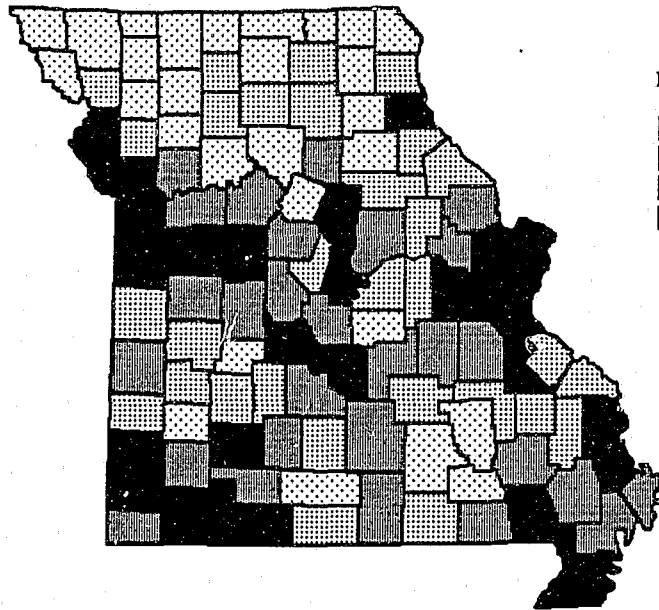
DRIVER'S LICENSE STATE AND TYPE BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MISSOURI								
LEARNER'S PERMIT	0	0.0	13	0.3	13	0.3	26	0.3
FOR HIRE	4	2.0	136	3.1	114	3.0	254	3.0
OPERATOR'S LICENSE	133	66.5	3,173	72.7	2,824	73.1	6,130	72.7
MOTORCYCLE ONLY	0	0.0	1	0.0	1	0.0	2	0.0
COMMERCIAL DRIVER'S LICENSE	11	5.5	153	3.5	150	3.9	314	3.7
SUB-TOTAL	148	74.0	3,476	79.6	3,102	80.3	6,726	79.8
OUT STATE								
LEARNER'S PERMIT	0	0.0	1	0.0	2	0.1	3	0.0
FOR HIRE	0	0.0	2	0.1	8	0.2	10	0.1
OPERATOR'S LICENSE	25	12.5	392	9.0	338	8.8	755	9.0
MOTORCYCLE ONLY	0	0.0	0	0.0	0	0.0	0	0.0
COMMERCIAL DRIVER'S LICENSE	2	1.0	15	0.3	14	0.4	31	0.4
SUB-TOTAL	27	13.5	410	9.4	362	9.4	799	9.5
UNLICENSED	25	12.5	480	11.0	398	10.3	903	10.7
UNKNOWN	6	-	273	-	732	-	1,011	-
TOTAL	206	100.0	4,639	100.0	4,594	100.0	9,439	100.0

TABLE 3.2.15

1993 DRINKING INVOLVED ACCIDENTS

COUNTY QUARTILE ANALYSIS



LEGEND:¹

■	70 - 1,581
■	37 - 67
■	18 - 35
■	0 - 17

¹LEGEND CATEGORIES ARE BASED ON QUARTILES OF COUNTIES.

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
1.0	JACKSON	1581	16.7	19.0	PULASKI	85	0.9
2.0	ST. LOUIS	1258	13.3	20.0	SCOTT	83	0.9
3.0	GREENE	507	5.4	21.5	CASS	82	0.9
4.0	ST. LOUIS CITY	436	4.6	21.5	ST. FRANCOIS	82	0.9
5.0	JEFFERSON	361	3.8	23.0	CAMDEN	78	0.8
6.0	ST. CHARLES	315	3.3	24.0	PETTIS	77	0.8
7.0	CLAY	277	2.9	25.5	JOHNSON	75	0.8
8.5	BOONE	219	2.3	25.5	STONE	75	0.8
8.5	JASPER	219	2.3	27.0	DUNKLIN	73	0.8
10.0	BUCHANAN	216	2.3	28.5	MARION	70	0.7
11.0	FRANKLIN	146	1.5	28.5	PEMISCOTT	70	0.7
12.0	COLE	111	1.2				
13.0	CAPE GIRARDEAU	108	1.1				
14.0	TANEY	106	1.1				
15.5	NEWTON	100	1.1				
15.5	PLATTE	100	1.1	30.0	HOWELL	67	0.7
17.0	BUTLER	90	0.9	31.0	MC DONALD	66	0.7
18.0	BARRY	87	0.9	32.5	CALLAWAY	63	0.7
				32.5	STODDARD	63	0.7

First Quartile

Second Quartile

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
34.5	LAFAYETTE	62	0.7	75.5	GRUNDY	21	0.2
34.5	PHELPS	62	0.7	75.5	ST. CLAIR	21	0.2
36.0	LACLEDE	61	0.6	79.0	ANDREW	20	0.2
37.0	NEW MADRID	55	0.6	79.0	LIVINGSTON	20	0.2
38.5	MORGAN	54	0.6	79.0	MONITEAU	20	0.2
38.5	SALINE	54	0.6	79.0	PIKE	20	0.2
40.0	LAWRENCE	51	0.5	79.0	RALLS	20	0.2
41.0	CHRISTIAN	50	0.5	83.0	BARTON	19	0.2
42.0	RAY	48	0.5	83.0	LINN	19	0.2
43.5	MILLER	46	0.5	83.0	MACON	19	0.2
43.5	RANDOLPH	46	0.5	86.0	BATES	18	0.2
45.5	HENRY	45	0.5	86.0	LEWIS	18	0.2
45.5	LINCOLN	45	0.5	86.0	OREGON	18	0.2
47.0	VERNON	44	0.5				
48.0	TEXAS	43	0.5				
49.0	COOPER	40	0.4				
51.5	BENTON	39	0.4	88.0	NODAWAY	17	0.2
51.5	CRAWFORD	39	0.4	89.5	DOUGLAS	16	0.2
51.5	RIPLEY	39	0.4	89.5	SHANNON	16	0.2
51.5	WAYNE	39	0.4	91.0	MONROE	15	0.2
54.0	WEBSTER	38	0.4	93.5	ATCHISON	14	0.1
56.0	MISSISSIPPI	37	0.4	93.5	CARROLL	14	0.1
56.0	WARREN	37	0.4	93.5	MERCER	14	0.1
56.0	WASHINGTON	37	0.4	93.5	SULLIVAN	14	0.1
				93.5	SULLIVAN	14	0.1
				98.0	CALDWELL	13	0.1
				98.0	CHARITON	13	0.1
				98.0	DE KALB	13	0.1
				98.0	HARRISON	13	0.1
				98.0	HOWARD	13	0.1
				102.0	CARTER	12	0.1
				102.0	HICKORY	12	0.1
				102.0	MARIES	12	0.1
				104.0	GENTRY	10	0.1
				107.0	CLARK	9	0.1
				107.0	DADE	9	0.1
				107.0	KNOX	9	0.1
				107.0	REYNOLDS	9	0.1
				107.0	SHELBY	9	0.1
				110.5	DAVISS	8	0.1
				110.5	SCOTLAND	8	0.1
				112.0	PUTNAM	7	0.1
				113.0	HOLT	6	0.1
				114.0	WORTH	1	0.0
				115.0	SCHUYLER	0	0.0

Second Quartile

Third Quartile

Third Quartile

Fourth Quartile

TABLE 3.2.16

1993 DRINKING INVOLVED ACCIDENTS

CITY LISTING

RANK	CITY	FREQUENCY	PERCENT ¹
1.0	KANSAS CITY	1,205	22.2
2.0	ST. LOUIS	436	8.0
3.0	SPRINGFIELD	384	7.1
4.0	INDEPENDENCE	282	5.2
5.0	ST. JOSEPH	182	3.4
6.0	COLUMBIA	143	2.6
7.0	JOPLIN	107	2.0
8.0	ST. CHARLES	103	1.9
9.0	JEFFERSON CITY	75	1.4
10.5	CAPE GIRARDEAU	68	1.3
10.5	LEE'S SUMMIT	68	1.3
12.0	BLUE SPRINGS	67	1.2
13.0	MARYLAND HEIGHTS	54	1.0
14.0	ST. PETERS	53	1.0
15.0	BRIDGETON	51	0.9
16.0	FLORISSANT	50	0.9
17.0	HANNIBAL	45	0.8
18.0	ARNOLD	44	0.8
19.5	HAZELWOOD	43	0.8
19.5	SEDALIA	43	0.8
21.5	KIRKWOOD	37	0.7
21.5	O'FALLON	37	0.7
23.0	UNIVERSITY CITY	35	0.6
24.0	SIKESTON	32	0.6
25.5	GLADSTONE	31	0.6
25.5	RAYTOWN	31	0.6
28.5	BERKELEY	30	0.6
28.5	GRANDVIEW	30	0.6
28.5	OVERLAND	30	0.6
28.5	POPLAR BLUFF	30	0.6
31.5	CHESTERFIELD	28	0.5
31.5	JENNINGS	28	0.5
33.5	CREVE COEUR	27	0.5
33.5	NORTH KANSAS CITY	27	0.5
35.0	WARRENSBURG	26	0.5
36.0	FERGUSON	25	0.5

¹Percentage is based on drinking involved accidents which occurred in Missouri municipalities with populations of 1,000 or more. Only those municipalities comprising 0.5% or more of these accidents are listed.

TABLE 3.2.17

**MISSOURI FATAL AND PERSONAL INJURY DRINKING INVOLVED ACCIDENTS
ANNUAL TIME SERIES**

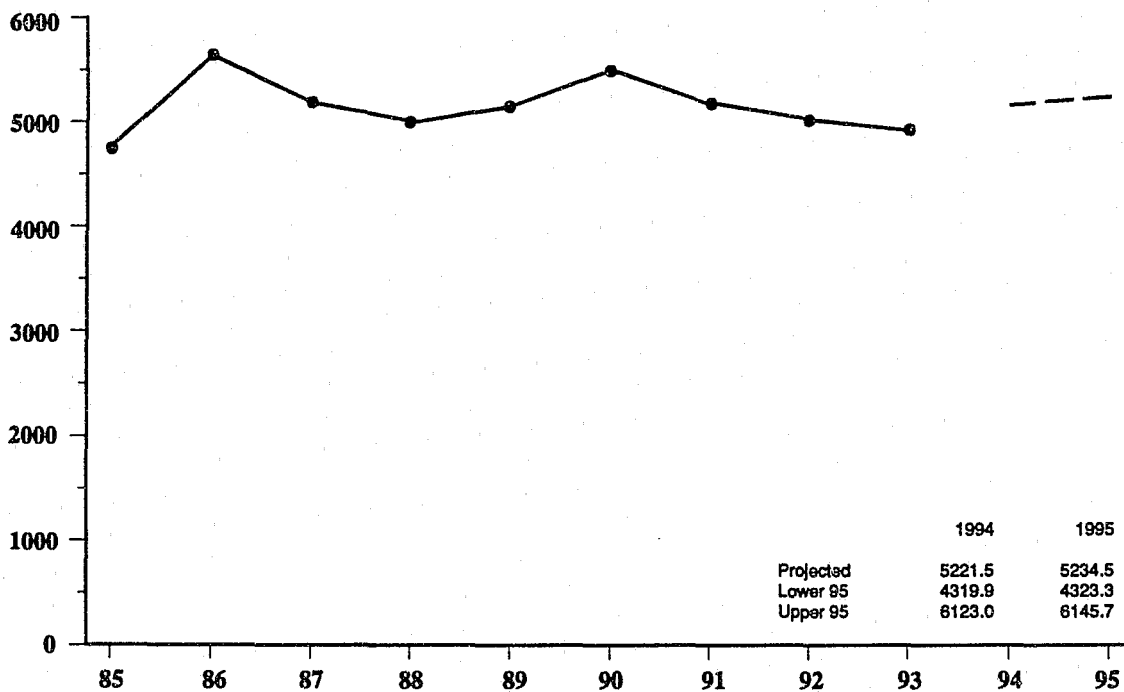


FIGURE 3.2.4

3.3 YOUNG DRIVER INVOLVEMENT

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

1993 SUMMARY ANALYSIS

- Of all 1993 Missouri traffic accidents, 28.6% involved a young driver. Of all fatal traffic accidents, 24.2% involved a young driver. A total of 241 persons were killed and 24,267 were injured in traffic accidents involving young drivers.
- There was an increase of 3.5% in the rate of change when comparing 1993 young driver traffic accidents with those occurring in 1992. However, there was an increase of 8.1% when comparing 1993 fatal young driver traffic accidents with 1992.
- In 1993, one person was killed or injured in young driver related traffic accidents every 21.4 minutes in the State of Missouri.
- Of all young driver related traffic accidents, the first harmful event in 76.0% of the incidents involved one motor vehicle in transport striking another motor vehicle in transport. In 14.8% of the cases, the first harmful event involved one motor vehicle striking a fixed object. In young driver fatal traffic accidents, 27.5% of the cases involved a motor vehicle striking a fixed object.
- Of all 1993 young driver accidents, 62.2% occurred in an urban area and 37.8% occurred in a rural area of the State. However, in fatal young driver accidents 77.0% occurred in a rural area.
- Of all young driver traffic accidents, 35.2% occurred on Friday or Saturday.
- Of all young drivers involved in traffic accidents, 59.6% were male and 40.4% were female. Of those young drivers involved in fatal traffic accidents, 72.9% were male. The average age of young drivers (20 years and under) was 17.8 years.
- Of the young drivers, 91.2% had a Missouri driver's license/permit, 5.8% had an out-of-state driver's license, and 3.0% were unlicensed at the time of the accident.
- Of the young drivers, 78.2% were driving an automobile and 14.4% were driving a pick-up truck at the time of the accident. In fatal traffic accidents, 15.4% were driving a pick-up truck.
- In 44.5% of the 1993 young driver related fatal traffic accidents, a young driver was either exceeding the speed limit or driving too fast for conditions which contributed to the cause of the accident. In 16.0% of these fatal accidents, the young driver's drinking condition contributed to the cause of the accident.

1993 MISSOURI TRAFFIC ACCIDENTS

YOUNG DRIVER INVOLVEMENT

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	TOTAL NUMBER ¹		YOUNG DRIVERS ²	
									KILLED	INJURED	KILLED	INJURED
YOUNG DRIVER INVOLVED	200	24.2	14,038	30.3	29,707	27.9	43,945	28.6	241	24,267	101	8,951
NO YOUNG DRIVER INVOLVED	628	75.8	32,276	69.7	76,690	72.1	109,594	71.4	692	49,639	-	-
UNKNOWN ³	15	-	2,724	-	21,518	-	24,257	-	16	3,611	-	-
TOTAL	843	100.0	49,038	100.0	127,915	100.0	177,796	100.0	949	77,517	101	8,951

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

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

³Accidents 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 accident was not known.

TABLE 3.3.1

1992 and 1993 YOUNG DRIVER INVOLVED ACCIDENT ANALYSIS

	1992	1993	RATE OF CHANGE
FATAL	185	200	+ 8.1
PERSONAL INJURY	13,348	14,038	+ 5.2
PROPERTY DAMAGE	28,943	29,707	+ 2.6
TOTAL	42,476	43,945	+ 3.5

TABLE 3.3.2

1993 YOUNG DRIVER INVOLVED ACCIDENTS

ACCIDENT TYPE BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
ANIMAL	0	0.0	37	0.3	447	1.5	484	1.1
BICYCLIST	0	0.0	88	0.6	10	0.0	98	0.2
FIXED OBJECT	55	27.5	2,642	18.8	3,821	12.9	6,518	14.8
OTHER OBJECT	1	0.5	32	0.2	111	0.4	144	0.3
PEDESTRIAN	16	8.0	248	1.8	5	0.0	269	0.6
TRAIN	0	0.0	8	0.1	8	0.0	16	0.0
VEHICLE IN TRANSPORT	100	50.0	10,052	71.6	23,235	78.2	33,387	76.0
VEHICLE ON OTHER ROADWAY	7	3.5	44	0.3	83	0.3	134	0.3
PARKED VEHICLE	3	1.5	244	1.7	1,446	4.9	1,693	3.9
NON-COLLISION OVERTURN	15	7.5	557	4.0	377	1.3	949	2.2
NON-COLLISION OTHER	3	1.5	86	0.6	164	0.6	253	0.6
TOTAL	200	100.0	14,038	100.0	29,707	100.0	43,945	100.0

TABLE 3.3.3

**1993 YOUNG DRIVER INVOLVED ACCIDENTS
AREA CLASSIFICATION BY ACCIDENT SEVERITY**

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
URBAN	46	23.0	8,100	57.7	19,180	64.6	27,326	62.2
RURAL	154	77.0	5,938	42.3	10,527	35.4	16,619	37.8
TOTAL	200	100.0	14,038	100.0	29,707	100.0	43,945	100.0

TABLE 3.3.4

**1993 YOUNG DRIVER INVOLVED ACCIDENTS
ROAD CURVATURE BY ACCIDENT SEVERITY**

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
STRAIGHT	142	71.4	11,635	83.8	22,422	87.2	34,199	85.9
CURVE	57	28.6	2,244	16.2	3,298	12.8	5,599	14.1
UNKNOWN	1	-	159	-	3,987	-	4,147	-
TOTAL	200	100.0	14,038	100.0	29,707	100.0	43,945	100.0

TABLE 3.3.5

**1993 YOUNG DRIVER INVOLVED ACCIDENTS
ROAD INCLINE BY ACCIDENT SEVERITY**

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
LEVEL	86	43.0	9,236	66.7	18,242	71.3	27,564	69.6
HILL	100	50.0	4,196	30.3	6,720	26.3	11,016	27.8
CREST	14	7.0	406	2.9	611	2.4	1,031	2.6
UNKNOWN	0	-	200	-	4,134	-	4,334	-
TOTAL	200	100.0	14,038	100.0	29,707	100.0	43,945	100.0

TABLE 3.3.6

**1993 YOUNG DRIVER INVOLVED ACCIDENTS
ROAD CONDITIONS BY ACCIDENT SEVERITY**

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRY	158	79.0	9,851	70.5	19,932	67.5	29,941	68.5
WET	38	19.0	3,548	25.4	7,667	26.0	11,253	25.7
SNOW	2	1.0	250	1.8	771	2.6	1,023	2.3
ICE	2	1.0	315	2.3	1,145	3.9	1,462	3.3
MUD	0	0.0	13	0.1	33	0.1	46	0.1
UNKNOWN	0	-	61	-	159	-	220	-
TOTAL	200	100.0	14,038	100.0	29,707	100.0	43,945	100.0

TABLE 3.3.7

**1993 YOUNG DRIVER INVOLVED ACCIDENTS
HIGHWAY CLASSIFICATION BY ACCIDENT SEVERITY**

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	19	9.5	1,057	7.5	2,138	7.2	3,214	7.3
U.S. HIGHWAY	41	20.5	1,693	12.1	3,270	11.0	5,004	11.4
STATE NUMBERED	42	21.0	2,710	19.3	5,124	17.3	7,876	17.9
SINGLE STATE LETTERED	24	12.0	1,026	7.3	1,508	5.1	2,558	5.8
DOUBLE STATE LETTERED	10	5.0	407	2.9	699	2.4	1,116	2.5
OUTER ROAD	2	1.0	176	1.3	385	1.3	563	1.3
COUNTY ROAD	29	14.5	1,786	12.7	3,162	10.6	4,977	11.3
CITY STREET	29	14.5	4,707	33.5	12,226	41.2	16,962	38.6
INTERSTATE LOOP	0	0.0	104	0.7	220	0.7	324	0.7
OTHER ¹	4	2.0	372	2.7	975	3.3	1,351	3.1
TOTAL	200	100.0	14,038	100.0	29,707	100.0	43,945	100.0

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

TABLE 3.3.8

1992 YOUNG DRIVER INVOLVED ACCIDENTS

HIGHWAY CLASSIFICATION BY AREA CLASSIFICATION AND ACCIDENT SEVERITY

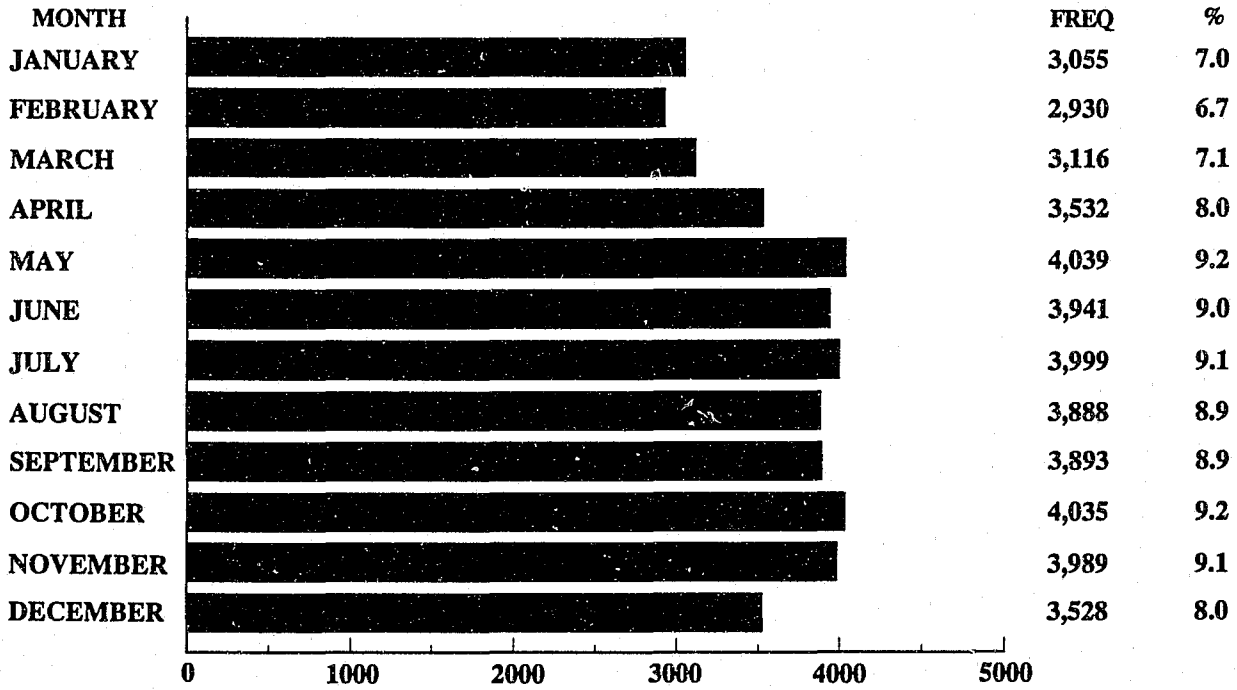
	URBAN								RURAL							
	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	9	19.6	629	7.8	1,356	7.1	1,994	7.3	10	6.5	428	7.2	782	7.4	1,220	7.3
U.S. HIGHWAY	5	10.9	889	11.0	1,954	10.2	2,848	10.4	36	23.4	804	13.5	1,316	12.5	2,156	13.0
STATE NUMBERED	1	2.2	1,162	14.4	2,564	13.4	3,727	13.6	41	26.6	1,548	26.1	2,560	24.3	4,149	25.0
SINGLE STATE LETTERED	9	0.0	195	2.4	432	2.3	627	2.3	24	15.6	831	14.0	1,076	10.2	1,931	11.6
DOUBLE STATE LETTERED	0	0.0	117	1.4	225	1.2	342	1.3	10	6.5	290	4.9	474	4.5	774	4.7
OUTER ROAD	0	0.0	119	1.5	283	1.5	402	1.5	2	1.3	57	1.0	102	1.0	161	1.0
COUNTY ROAD	3	6.5	340	4.2	711	3.7	1,054	3.9	26	16.9	1,446	24.4	2,451	23.3	3,923	23.6
CITY STREET	27	58.7	4,317	53.3	10,830	56.5	15,174	55.5	2	1.3	390	6.6	1,396	13.3	1,788	10.8
INTERSTATE LOOP	0	0.0	83	1.0	170	0.9	253	0.9	0	0.0	21	0.4	50	0.5	71	0.4
OTHER ¹	1	2.2	249	3.1	655	3.4	905	3.3	3	2.0	123	2.1	320	3.0	446	2.7
TOTAL	46	100.0	8,100	100.0	19,180	100.0	27,326	100.0	154	100.0	5,938	100.0	10,527	100.0	16,619	100.0

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

TABLE 3.3.9

54

**1993 MISSOURI YOUNG DRIVER INVOLVED ACCIDENTS
MONTH OF YEAR**

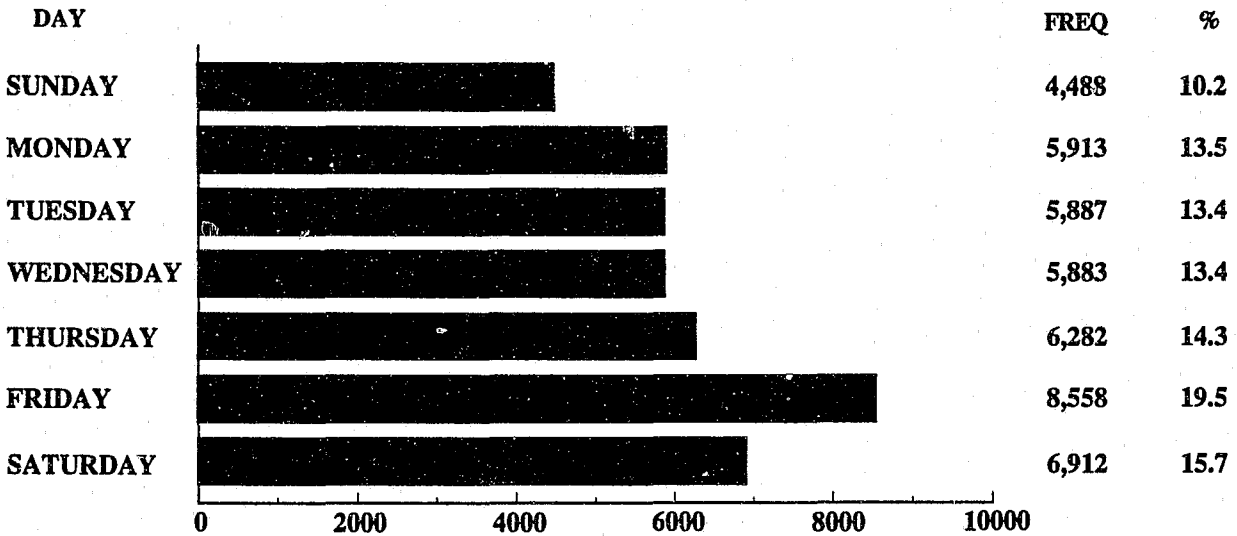


FREQUENCY

UNKNOWN DATA NOT INCLUDED

FIGURE 3.3.1

**1993 MISSOURI YOUNG DRIVER INVOLVED ACCIDENTS
DAY OF WEEK**

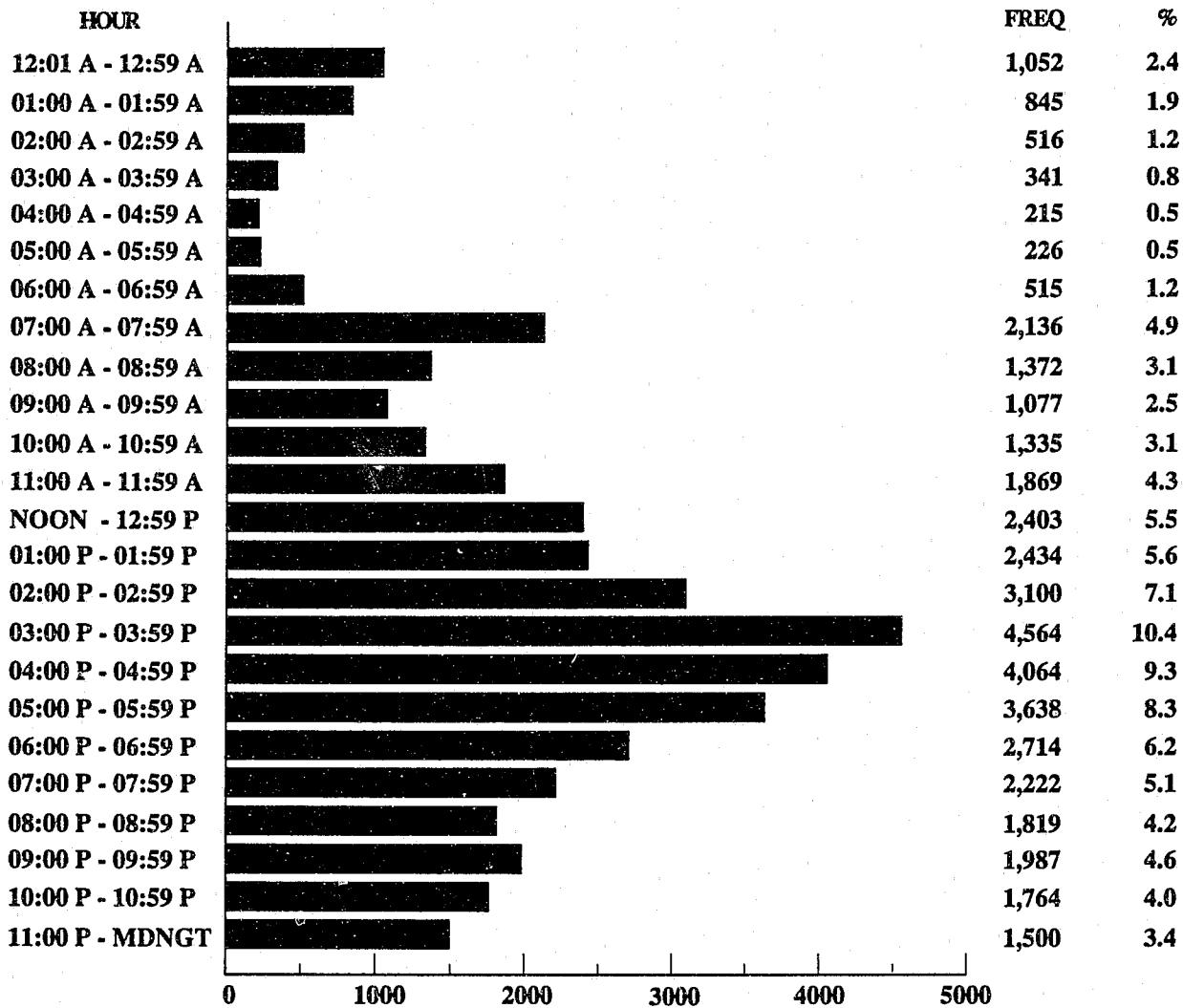


FREQUENCY

UNKNOWN DATA NOT INCLUDED

FIGURE 3.3.2

**1993 MISSOURI YOUNG DRIVER INVOLVED ACCIDENTS
HOUR OF DAY**



FREQUENCY

UNKNOWN DATA NOT INCLUDED

FIGURE 3.3.3

1993 MISSOURI YOUNG DRIVER ACCIDENTS

TYPE OF CIRCUMSTANCE INVOLVED BY ACCIDENT SEVERITY AND PERSON CLASSIFICATION¹

FATAL YOUNG DRIVER ACCIDENTS = 200				TOTAL YOUNG DRIVER ACCIDENTS = 43,945		
	YOUNG DRIVER/ VEHICLE	OTHER DRIVER/ VEHICLE/PED.	TOTAL FATAL	YOUNG DRIVER/ VEHICLE	OTHER DRIVER/ VEHICLE/PED.	TOTAL ACCIDENTS
EXCEEDING SPEED LIMIT / TOO FAST FOR CONDITIONS	44.5	4.5	49.0	18.5	3.4	21.3
IMPROPER PASSING	5.5	0.5	6.0	1.3	0.6	1.8
VIOLATION OF STOP SIGN	4.5	2.0	6.5	3.4	1.7	5.0
WRONG SIDE NOT PASSING	17.5	5.0	22.5	2.4	0.7	3.0
FOLLOWING TOO CLOSE	0.0	0.0	0.0	7.7	3.4	10.7
IMPROPER SIGNAL	0.0	0.0	0.0	0.3	0.2	0.5
IMPROPER BACKING	0.0	0.0	0.0	1.3	0.5	1.8
IMPROPER TURN	0.0	0.5	0.5	2.2	1.2	3.4
IMPROPER LANE USAGE / CHANGE	1.5	0.0	1.5	2.1	1.3	3.4
WRONG WAY ONE-WAY STREET	1.0	0.5	1.5	0.1	0.1	0.2
IMPROPER START FROM PARK	0.0	0.0	0.0	0.3	0.1	0.4
IMPROPERLY PARKED	0.0	0.5	0.5	0.2	0.4	0.5
VEHICLE DEFECTS	1.5	1.0	2.5	2.3	0.6	2.9
FAILED TO YIELD	6.0	7.0	13.0	13.5	7.9	21.2
DRINKING	16.0	6.5	22.5	2.2	1.2	3.3
DRUGS	0.5	1.0	1.5	0.1	0.1	0.1
PHYSICAL IMPAIRMENT	1.0	0.0	1.0	0.8	0.1	0.9
INATTENTION	37.0	8.5	43.0	41.8	16.5	54.6

¹This table identifies the percentage of young driver accidents having a specific type of circumstance which contributed to the cause of the accident. This table further defines the percentage of accidents 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 accident. For instance, when examining speed involvement in 1993 Missouri fatal young driver accidents, it was found that a young driver was speeding in 44.5% of the accidents. In 4.5% of the accidents another driver was speeding. In 49.0% of the accidents either a young driver, another driver, or both drivers were speeding.

TABLE 3.3.10

YOUNG DRIVERS INVOLVED IN 1993 MISSOURI ACCIDENTS

SEX OF DRIVER BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MALE	156	72.9	8,917	57.4	18,110	60.6	27,183	59.6
FEMALE	58	27.1	6,610	42.6	11,764	39.4	18,432	40.4
UNKNOWN	0	-	1	-	3,008	-	3,009	-
TOTAL	214	100.0	15,528	100.0	32,882	100.0	48,624	100.0

TABLE 3.3.11

YOUNG DRIVERS INVOLVED IN 1993 MISSOURI ACCIDENTS

AGE OF DRIVER BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AVERAGE AGE OF YOUNG DRIVER¹	17.8	-	17.9	-	17.8	-	17.8	-
15 YEARS AND UNDER	4	1.9	268	1.7	483	1.5	755	1.6
16 YEARS	40	18.7	3,296	21.2	7,222	22.0	10,558	21.7
17 YEARS	48	22.4	3,148	20.3	6,869	20.9	10,065	20.7
18 YEARS	49	22.9	3,159	20.3	6,814	20.7	10,022	20.6
19 YEARS	39	18.2	2,909	18.7	5,971	18.2	8,919	18.3
20 YEARS	34	15.9	2,748	17.7	5,523	16.8	8,305	17.1
TOTAL	214	100.0	15,528	100.0	32,882	100.0	48,624	100.0

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

TABLE 3.3.12

YOUNG DRIVERS INVOLVED IN 1993 MISSOURI ACCIDENTS
DRIVER'S LICENSE STATE AND TYPE BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MISSOURI								
LEARNER'S PERMIT	4	2.0	162	1.1	318	1.1	484	1.1
FOR HIRE	2	1.0	73	0.5	139	0.5	214	0.5
OPERATOR'S LICENSE	176	85.9	13,092	88.6	24,991	89.5	38,259	89.2
MOTORCYCLE ONLY	0	0.0	1	0.0	2	0.0	3	0.0
COMERCIAL DRIVER'S LICENSE	0	0.0	56	0.4	94	0.3	150	0.4
SUB-TOTAL	182	88.8	13,384	90.6	25,544	91.5	39,110	91.2
OUT STATE								
LEARNER'S PERMIT	0	0.0	13	0.1	15	0.1	28	0.1
FOR HIRE	0	0.0	3	0.0	6	0.0	9	0.0
OPERATOR'S LICENSE	12	5.9	842	5.7	1,604	5.7	2,458	5.7
MOTORCYCLE ONLY	0	0.0	0	0.0	1	0.0	1	0.0
COMMERCIAL DRIVER'S LICENSE	0	0.0	3	0.0	10	0.0	13	0.0
SUB-TOTAL	12	5.9	861	5.8	1,636	5.9	2,509	5.8
UNLICENSED	11	5.4	525	3.6	747	2.7	1,283	3.0
UNKNOWN	9	-	758	-	4,955	-	5,722	-
TOTAL	214	100.0	15,528	100.0	32,882	100.0	48,624	100.0

TABLE 3.3.13

YOUNG DRIVERS INVOLVED IN 1993 MISSOURI ACCIDENTS

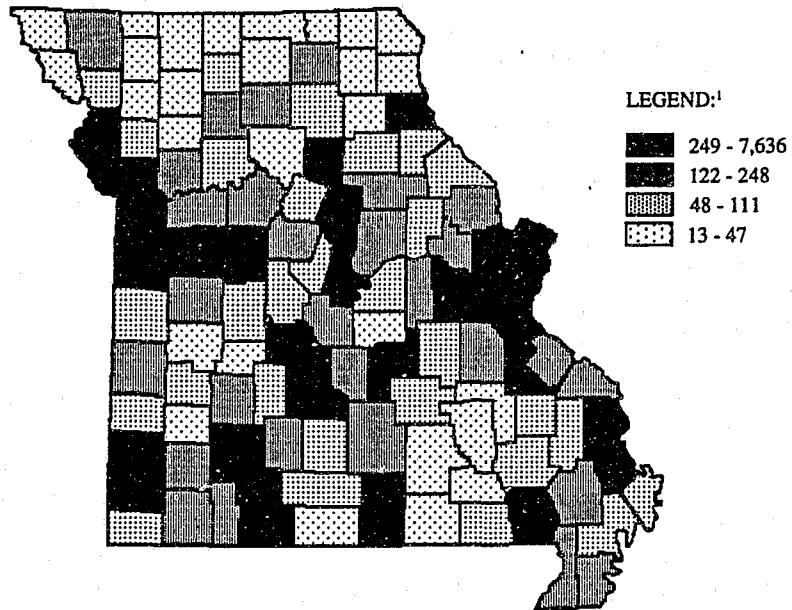
TYPE OF VEHICLE DRIVEN BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AUTOMOBILE	156	72.9	12,149	78.2	25,721	78.3	38,026	78.2
SPORT UTILITY VEHICLE	13	6.1	565	3.7	1,207	3.7	1,786	3.7
VAN / SMALL BUS	4	1.9	296	1.9	747	2.3	1,047	2.2
BUS	0	0.0	1	0.0	2	0.0	3	0.0
SCHOOL BUS	0	0.0	1	0.0	3	0.0	4	0.0
MOTORCYCLE	6	2.8	202	1.3	35	0.1	243	0.5
MOPED	0	0.0	8	0.1	9	0.0	17	0.0
MOTORHOME / CAMPER	0	0.0	0	0.0	2	0.0	2	0.0
FARM EQUIPMENT	0	0.0	5	0.0	17	0.1	22	0.1
CONSTRUCTION EQUIPMENT	0	0.0	0	0.0	3	0.0	3	0.0
OTHER TRANSPORT DEVICE	1	0.5	4	0.0	12	0.0	17	0.0
PICK-UP TRUCK	33	15.4	2,135	13.8	4,821	14.7	6,989	14.4
OTHER TRUCKS	1	0.5	131	0.8	282	0.9	414	0.9
ALL TERRAIN VEHICLE	0	0.0	29	0.2	7	0.0	36	0.1
UNKNOWN	0	-	1	-	14	-	15	-
TOTAL	214	100.0	15,528	100.0	32,882	100.0	48,624	100.0

TABLE 3.3.14

1993 YOUNG DRIVER INVOLVED ACCIDENTS

COUNTY QUARTILE ANALYSIS



¹ LEGEND CATEGORIES ARE BASED ON QUARTILES OF COUNTIES.

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
1.0	ST. LOUIS	7,636	17.4	19.0	PETTIS	397	0.9
2.0	JACKSON	6,399	14.6	20.0	TANEY	394	0.9
3.0	ST. LOUIS CITY	2,859	6.5	21.0	PHELPS	349	0.8
4.0	GREENE	2,459	5.6	22.0	NEWTON	345	0.8
5.0	ST. CHARLES	1,805	4.1	23.0	SCOTT	333	0.8
6.0	CLAY	1,596	3.6	24.0	MARION	330	0.8
7.0	JEFFERSON	1,444	3.3	25.0	HOWELL	315	0.7
8.0	JASPER	1,102	2.5	26.0	CHRISTIAN	268	0.6
9.0	BOONE	1,071	2.4	27.0	CAMDEN	257	0.6
10.0	CAPE GIRARDEAU	906	2.1	28.0	LACLEDE	250	0.6
11.0	BUCHANAN	905	2.1	29.0	RANDOLPH	249	0.6
12.0	COLE	827	1.9	-----			
13.0	FRANKLIN	743	1.7	First Quartile			
14.0	PLATTE	507	1.2	-----			
15.0	CASS	498	1.1	Second Quartile			
16.0	BUTLER	452	1.0	30.0	DUNKLIN	248	0.6
17.0	JOHNSON	443	1.0	31.0	LAWRENCE	238	0.5
18.0	ST. FRANCOIS	407	0.9	32.0	BARRY	235	0.5
				33.0	CALLAWAY	229	0.5

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
34.0	PULASKI	227	0.5	75.0	OSAGE	78	0.2
35.0	LAFAYETTE	218	0.5	76.0	MISSISSIPPI	77	0.2
36.0	ADAIR	206	0.5	77.5	MADISON	75	0.2
37.5	MILLER	190	0.4	77.5	MONTGOMERY	75	0.2
37.5	STODDARD	190	0.4	79.0	CARROLL	73	0.2
39.0	SALINE	189	0.4	80.0	BATES	72	0.2
40.5	LINCOLN	187	0.4	81.0	BARTON	63	0.1
40.5	VERNON	187	0.4	82.0	WAYNE	61	0.1
42.0	POLK	182	0.4	83.0	RALLS	58	0.1
43.0	NODAWAY	178	0.4	84.0	BOLLINGER	54	0.1
44.0	STONE	175	0.4	85.5	DOUGLAS	51	0.1
45.0	PERRY	170	0.4	85.5	HOWARD	51	0.1
46.0	PEMISCOTT	166	0.4	87.0	MONROE	48	0.1
47.0	WEBSTER	162	0.4				
48.0	AUDRAIN	161	0.4				Third Quartile
49.0	WARREN	159	0.4				
50.0	HENRY	157	0.4				Fourth Quartile
51.0	WASHINGTON	147	0.3	88.5	HARRISON	47	0.1
52.0	LIVINGSTON	140	0.3	88.5	LEWIS	47	0.1
53.0	COOPER	136	0.3	90.5	CALDWELL	45	0.1
54.5	RAY	133	0.3	90.5	CHARITON	45	0.1
54.5	TEXAS	133	0.3	92.0	IRON	44	0.1
56.0	LINN	131	0.3	93.5	DAVISS	42	0.1
57.0	STE. GENEVIEVE	126	0.3	93.5	ST. CLAIR	42	0.1
58.0	GASCONADE	122	0.3	95.0	OZARK	41	0.1
			Second Quartile	96.0	HOLT	38	0.1
				97.0	ATCHISON	35	0.1
				98.5	CLARK	34	0.1
			Third Quartile	98.5	SHELBY	34	0.1
59.0	MONITEAU	111	0.3	100.0	OREGON	32	0.1
60.0	GRUNDY	108	0.2	101.5	GENTRY	30	0.1
61.0	PIKE	107	0.2	101.5	MARIES	30	0.1
62.0	MC DONALD	106	0.2	103.5	DE KALB	29	0.1
63.0	CRAWFORD	104	0.2	103.5	PUTNAM	29	0.1
64.0	NEW MADRID	103	0.2	105.5	SCOTLAND	27	0.1
65.0	DENT	101	0.2	105.5	SULLIVAN	27	0.1
66.0	MACON	99	0.2	108.0	HICKORY	26	0.1
67.0	DALLAS	97	0.2	108.0	MERCER	26	0.1
68.0	WRIGHT	96	0.2	108.0	SHANNON	26	0.1
69.0	ANDREW	94	0.2	110.0	CARTER	25	0.1
70.0	CLINTON	93	0.2	111.0	REYNOLDS	20	0.0
71.0	RIPLEY	88	0.2	112.0	DADE	18	0.0
72.0	MORGAN	87	0.2	113.0	SCHUYLER	16	0.0
73.5	BENTON	82	0.2	114.0	KNOX	15	0.0
73.5	CEDAR	82	0.2	115.0	WORTH	13	0.0

TABLE 3.3.15

1993 YOUNG DRIVER INVOLVED ACCIDENTS

CITY LISTING

RANK	CITY	FREQUENCY	PERCENT ¹
1.0	KANSAS CITY	4,616	14.6
2.0	ST. LOUIS	2,859	9.0
3.0	SPRINGFIELD	1,989	6.3
4.0	INDEPENDENCE	1,120	3.5
5.0	COLUMBIA	866	2.7
6.0	ST. JOSEPH	839	2.7
7.0	JOPLIN	709	2.2
8.0	ST. CHARLES	691	2.2
9.0	JEFFERSON CITY	657	2.1
10.0	CAPE GIRARDEAU	639	2.0
11.0	BLUE SPRINGS	537	1.7
12.0	ST. PETERS	497	1.6
13.0	LEE'S SUMMIT	468	1.5
14.0	FLORISSANT	417	1.3
15.0	CHESTERFIELD	354	1.1
16.0	POPLAR BLUFF	326	1.0
17.0	MARYLAND HEIGHTS	305	1.0
18.0	SEDALIA	294	0.9
19.0	RAYTOWN	266	0.8
20.0	ARNOLD	255	0.8
21.0	KIRKWOOD	253	0.8
22.0	WARRENSBURG	236	0.7
23.0	HANNIBAL	233	0.7
24.0	BRIDGETON	226	0.7
25.0	LIBERTY	225	0.7
26.0	GLADSTONE	215	0.7
27.0	TOWN AND COUNTRY	202	0.6
28.0	ROLLA	194	0.6
29.0	BRANSON	192	0.6
30.0	SIKESTON	186	0.6
31.0	O'FALLON	185	0.6
32.0	MOBERLY	180	0.6
33.0	CREVE COEUR	178	0.6
34.0	WASHINGTON	169	0.5
35.0	RICHMOND HEIGHTS	166	0.5
36.5	KIRKSVILLE	164	0.5
36.5	WEST PLAINS	164	0.5
38.0	BELTON	156	0.5
39.0	HAZELWOOD	149	0.5
40.0	FERGUSON	148	0.5
41.0	UNIVERSITY CITY	146	0.5
42.5	LEBANON	144	0.5
42.5	WEBSTER GROVES	144	0.5

¹Percentage is based on young driver involved accidents which occurred in Missouri municipalities with populations of 1,000 or more. Only those municipalities comprising 0.5% or more of these accidents are listed.

TABLE 3.3.16

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

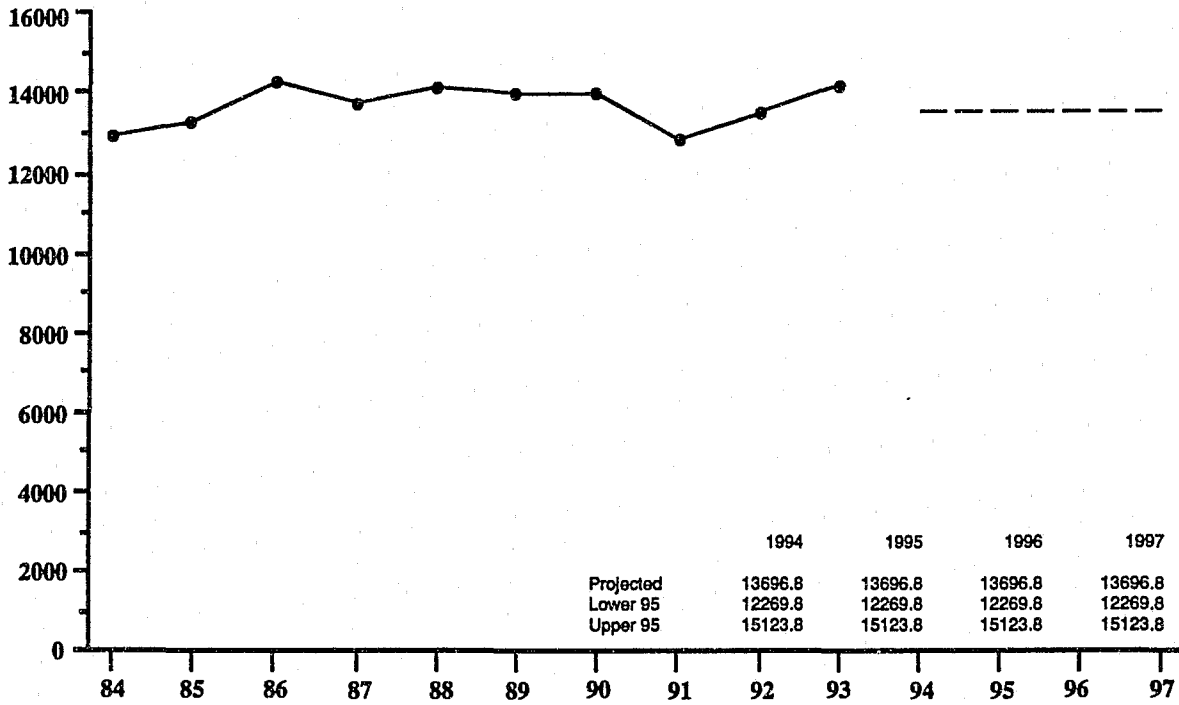


FIGURE 3.3.4

3.4 OLDER DRIVER INVOLVEMENT

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

1993 SUMMARY ANALYSIS

- Of all 1993 Missouri traffic accidents, 25.6% involved an older driver. Of all fatal traffic accidents, 27.9% involved an older driver. A total of 254 persons were killed and 18,598 were injured in traffic accidents involving older drivers.
- There was an increase of 6.6% in the rate of change when comparing 1993 older driver traffic accidents with those occurring in 1992. However, there was a decrease of 10.8% when comparing 1993 fatal older driver traffic accidents with 1992.
- In 1993, one person was killed or injured in older driver related traffic accidents every 27.9 minutes in the State of Missouri.
- Of all older driver related traffic accidents, the first harmful event in 85.3% of the incidents involved one motor vehicle in transport striking another motor vehicle in transport. In 5.9% of the cases, the first harmful event involved one motor vehicle striking a fixed object. In older driver fatal traffic accidents, 15.6% of the cases involved a motor vehicle striking a fixed object.
- Of all 1993 older driver accidents, 66.6% occurred in an urban area and 33.4% occurred in a rural area of the State. However, in fatal older driver accidents 78.3% occurred in a rural area.
- Of all older driver traffic accidents, 87.6% occurred from 7:00 A.M. through 6:59 P.M.
- Of all older drivers involved in traffic accidents, 62.6% were male and 37.4% were female. The average age of older drivers (55 years and older) was 66.8 years.
- Of the older drivers, 89.6% had a Missouri driver's license, 9.9% had an out-of-state driver's license, and 0.5% were unlicensed at the time of the accident.
- Of the older drivers, 71.7% were driving an automobile and 15.1% were driving a pick-up truck at the time of the accident. In fatal traffic accidents, 22.9% were driving a pick-up truck.

1993 MISSOURI TRAFFIC ACCIDENTS

OLDER DRIVER INVOLVEMENT

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	TOTAL NUMBER ¹		OLDER DRIVERS ²	
									KILLED	INJURED	KILLED	INJURED
OLDER DRIVER INVOLVED	231	27.9	11,405	24.7	27,695	26.0	39,331	25.6	254	18,598	146	6,533
NO OLDER DRIVER INVOLVED	597	72.1	34,868	75.3	78,880	74.0	114,345	74.4	679	55,138	-	-
UNKNOWN ³	15	-	2,765	-	21,340	-	24,120	-	16	3,781	-	-
TOTAL	843	100.0	49,038	100.0	127,915	100.0	177,796	100.0	949	77,517	146	6,533

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

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

³Accidents 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 accident was not known.

TABLE 3.4.1

1992 and 1993 OLDER DRIVER INVOLVED ACCIDENT ANALYSIS

	1992	1993	RATE OF CHANGE
FATAL	259	231	- 10.8
PERSONAL INJURY	10,593	11,405	+ 7.7
PROPERTY DAMAGE	26,055	27,695	+ 6.3
TOTAL	36,907	39,331	+ 6.6

TABLE 3.4.2

1993 OLDER DRIVER INVOLVED ACCIDENTS

ACCIDENT TYPE BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
ANIMAL	0	0.0	31	0.3	530	1.9	561	1.4
BICYCLIST	2	0.9	129	1.1	20	0.1	151	0.4
FIXED OBJECT	36	15.6	871	7.6	1,401	5.1	2,308	5.9
OTHER OBJECT	0	0.0	25	0.2	130	0.5	155	0.4
PEDESTRIAN	17	7.4	227	2.0	11	0.0	255	0.7
TRAIN	8	3.5	8	0.1	12	0.0	28	0.1
VEHICLE IN TRANSPORT	144	62.3	9,735	85.4	23,674	85.5	33,553	85.3
VEHICLE ON OTHER ROADWAY	3	1.3	42	0.4	86	0.3	131	0.3
PARKED VEHICLE	4	1.7	159	1.4	1,556	5.6	1,719	4.4
NON-COLLISION OVERTURN	12	5.2	131	1.2	116	0.4	259	0.7
NON-COLLISION OTHER	5	2.2	47	0.4	159	0.6	211	0.5
TOTAL	231	100.0	11,405	100.0	27,695	100.0	39,331	100.0

TABLE 3.4.3

**1993 OLDER DRIVER INVOLVED ACCIDENTS
AREA CLASSIFICATION BY ACCIDENT SEVERITY**

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
URBAN	50	21.7	7,337	64.3	18,806	67.9	26,193	66.6
RURAL	181	78.3	4,068	35.7	8,889	32.1	13,138	33.4
TOTAL	231	100.0	11,405	100.0	27,695	100.0	39,331	100.0

TABLE 3.4.4

**1993 OLDER DRIVER INVOLVED ACCIDENTS
ROAD CURVATURE BY ACCIDENT SEVERITY**

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
STRAIGHT	176	76.5	10,129	89.9	21,702	91.3	32,007	90.7
CURVE	54	23.5	1,139	10.1	2,079	8.7	3,272	9.3
UNKNOWN	1	-	137	-	3,914	-	4,052	-
TOTAL	231	100.0	11,405	100.0	27,695	100.0	39,331	100.0

TABLE 3.4.5

**1993 OLDER DRIVER INVOLVED ACCIDENTS
ROAD INCLINE BY ACCIDENT SEVERITY**

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
LEVEL	121	52.6	7,900	70.4	17,630	74.6	25,651	73.1
HILL	92	40.0	3,016	26.9	5,489	23.2	8,597	24.5
CREST	17	7.4	304	2.7	527	2.2	848	2.4
UNKNOWN	1	-	185	-	4,049	-	4,235	-
TOTAL	231	100.0	11,405	100.0	27,695	100.0	39,331	100.0

TABLE 3.4.6

1993 OLDER DRIVER INVOLVED ACCIDENTS

ROAD CONDITIONS BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRY	179	77.5	7,978	70.2	19,531	71.0	27,688	70.8
WET	44	19.1	2,963	26.1	6,649	24.2	9,656	24.7
SNOW	5	2.2	178	1.6	630	2.3	813	2.1
ICE	3	1.3	237	2.1	699	2.5	939	2.4
MUD	0	0.0	6	0.1	13	0.1	19	0.1
UNKNOWN	0	-	43	-	173	-	216	-
TOTAL	231	100.0	11,405	100.0	27,695	100.0	39,331	100.0

TABLE 3.4.7

1993 OLDER DRIVER INVOLVED ACCIDENTS

HIGHWAY CLASSIFICATION BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	32	13.9	1,127	9.9	2,492	9.0	3,651	9.3
U.S. HIGHWAY	48	20.8	1,843	16.2	3,595	13.0	5,486	14.0
STATE NUMBERED	67	29.0	2,320	20.3	4,904	17.7	7,291	18.5
SINGLE STATE LETTERED	24	10.4	557	4.9	1,133	4.1	1,714	4.4
DOUBLE STATE LETTERED	4	1.7	271	2.4	518	1.9	793	2.0
OUTER ROAD	2	0.9	115	1.0	269	1.0	386	1.0
COUNTY ROAD	21	9.1	862	7.6	1,833	6.6	2,716	6.9
CITY STREET	29	12.6	3,935	34.5	11,924	43.1	15,888	40.4
INTERSTATE LOOP	0	0.0	105	0.9	202	0.7	307	0.8
OTHER ¹	4	1.7	270	2.4	825	3.0	1,099	2.8
TOTAL	231	100.0	11,405	100.0	27,695	100.0	39,331	100.0

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

TABLE 3.4.8

1992 OLDER DRIVER INVOLVED ACCIDENTS

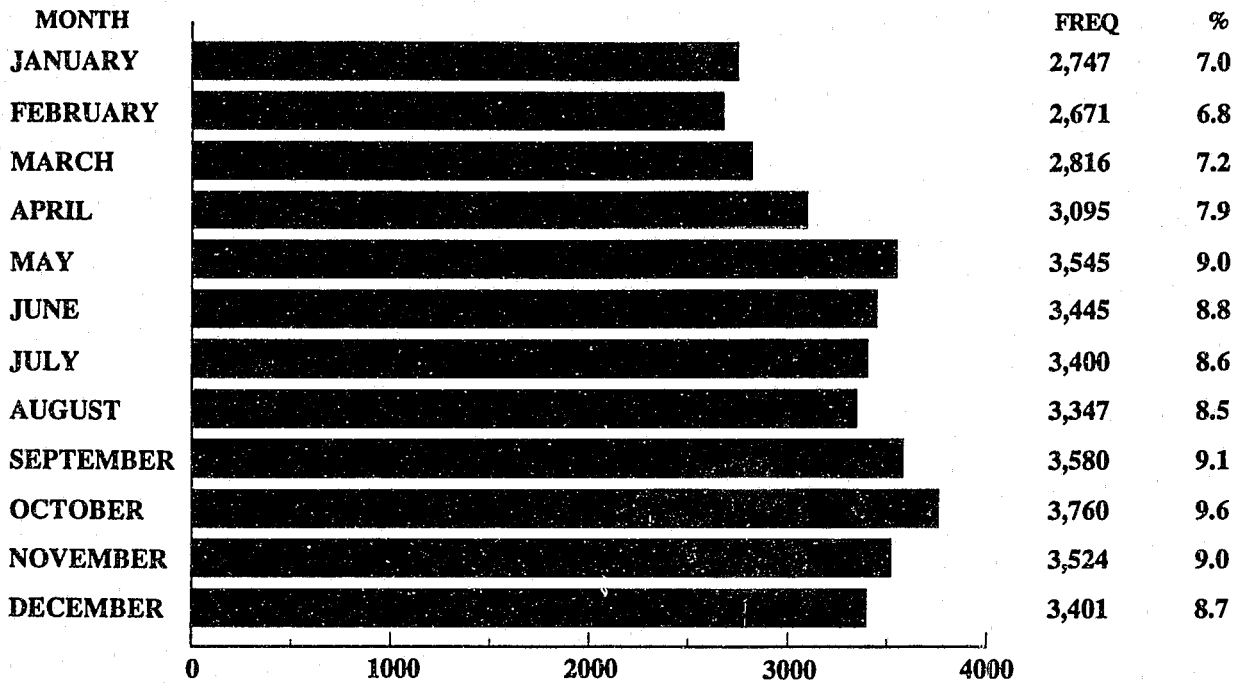
HIGHWAY CLASSIFICATION BY AREA CLASSIFICATION AND ACCIDENT SEVERITY

	URBAN								RURAL							
	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	6	12.0	640	8.7	1,527	8.1	2,173	8.3	26	14.4	487	12.0	965	10.9	1,478	11.3
U.S. HIGHWAY	6	12.0	923	12.6	1,994	10.6	2,923	11.2	42	23.2	920	22.6	1,601	18.0	2,563	19.5
STATE NUMBERED	12	24.0	1,129	15.4	2,424	12.9	3,565	13.6	55	30.4	1,191	29.3	2,480	27.9	3,726	28.4
SINGLE STATE LETTERED	1	2.0	160	2.2	409	2.2	570	2.2	23	12.7	397	9.8	724	8.1	1,144	8.7
DOUBLE STATE LETTERED	0	0.0	115	1.6	228	1.2	343	1.3	4	2.2	156	3.8	290	3.3	450	3.4
OUTER ROAD	0	0.0	72	1.0	197	1.1	269	1.0	2	1.1	43	1.1	72	0.8	117	0.9
COUNTY ROAD	1	2.0	306	4.2	720	3.8	1,027	3.9	20	11.1	556	13.7	1,113	12.5	1,689	12.9
CITY STREET	22	44.0	3,718	50.7	10,605	56.4	14,345	54.8	7	3.9	217	5.3	1,319	14.8	1,543	11.7
INTERSTATE LOOP	0	0.0	85	1.2	158	0.8	243	0.9	0	0.0	20	0.5	44	0.5	64	0.5
OTHER ¹	2	4.0	189	2.6	544	2.9	735	2.8	2	1.1	81	2.0	281	3.2	364	2.8
TOTAL	50	100.0	7,337	100.0	18,806	100.0	26,193	100.0	181	100.0	4,068	100.0	8,889	100.0	13,138	100.0

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

TABLE 3.4.9

**1993 MISSOURI OLDER DRIVER INVOLVED ACCIDENTS
MONTH OF YEAR**

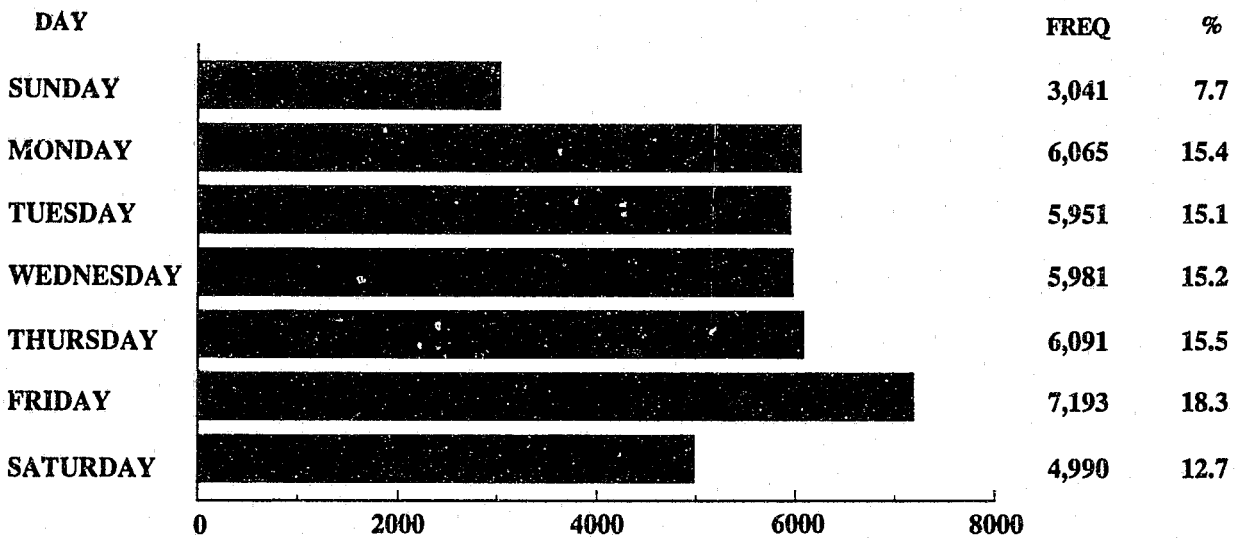


FREQUENCY

UNKNOWN DATA NOT INCLUDED

FIGURE 3.4.1

**1993 MISSOURI OLDER DRIVER INVOLVED ACCIDENTS
DAY OF WEEK**

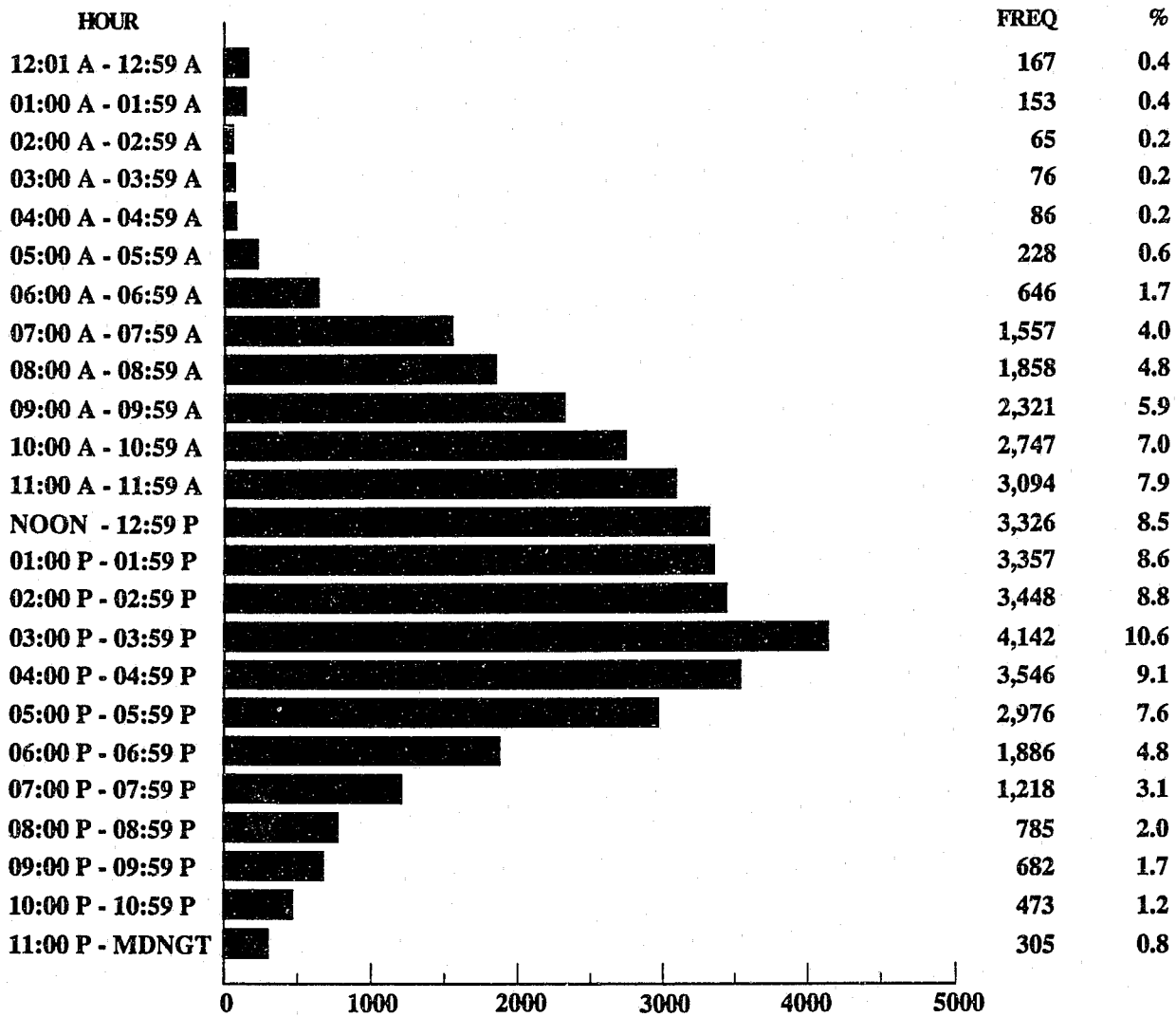


FREQUENCY

UNKNOWN DATA NOT INCLUDED

FIGURE 3.4.2

**1993 MISSOURI OLDER DRIVER INVOLVED ACCIDENTS
HOUR OF DAY**



FREQUENCY

UNKNOWN DATA NOT INCLUDED

FIGURE 3.4.3

1993 MISSOURI OLDER DRIVER ACCIDENTS

TYPE OF CIRCUMSTANCE INVOLVED BY ACCIDENT SEVERITY AND PERSON CLASSIFICATION¹

FATAL OLDER DRIVER ACCIDENTS = 231				TOTAL OLDER DRIVER ACCIDENTS = 39,331		
	OLDER DRIVER/ VEHICLE	OTHER DRIVER/ VEHICLE/PED.	TOTAL FATAL	OLDER DRIVER/ VEHICLE	OTHER DRIVER/ VEHICLE/PED.	TOTAL ACCIDENTS
EXCEEDING SPEED LIMIT/ TOO FAST FOR CONDITIONS	6.1	10.8	16.5	5.5	6.6	11.6
IMPROPER PASSING	0.4	4.3	4.8	0.8	1.0	1.8
VIOLATION OF STOP SIGN	4.3	1.3	5.6	3.5	2.9	6.3
WRONG SIDE NOT PASSING	9.1	10.4	19.0	0.9	1.0	1.9
FOLLOWING TOO CLOSE	1.3	2.2	3.5	4.1	5.5	9.4
IMPROPER SIGNAL	0.0	0.0	0.0	0.2	0.2	0.4
IMPROPER BACKING	0.0	0.0	0.0	1.8	0.7	2.5
IMPROPER TURN	2.6	0.4	3.0	2.9	1.3	4.1
IMPROPER LANE USAGE / CHANGE	2.2	1.3	3.5	2.6	1.5	4.0
WRONG WAY ONE-WAY STREET	0.9	1.3	2.2	0.2	0.1	0.3
IMPROPER START FROM PARK	0.4	0.0	0.4	0.3	0.1	0.4
IMPROPERLY PARKED	0.0	0.4	0.4	0.1	0.4	0.5
VEHICLE DEFECTS	0.4	1.3	1.7	1.3	1.2	2.5
FAILED TO YIELD	18.2	6.9	25.1	17.5	8.4	25.6
DRINKING	3.0	6.5	9.5	1.3	1.0	2.4
DRUGS	0.0	0.0	0.0	0.0	0.1	0.1
PHYSICAL IMPAIRMENT	7.4	0.4	7.8	1.4	0.2	1.7
INATTENTION	39.8	22.1	60.6	35.0	24.3	54.9

¹This table identifies the percentage of older driver accidents having a specific type of circumstance which contributed to the cause of the accident. This table further defines the percentage of accidents 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 accident. For instance, when examining speed involvement in 1993 Missouri fatal older driver accidents, it was found that a older driver was speeding in 6.1% of the accidents. In 10.8% of the accidents another driver was speeding. In 16.5% of the accidents either a older driver, another driver, or both drivers were speeding.

TABLE 3.4.10

OLDER DRIVERS INVOLVED IN 1993 MISSOURI ACCIDENTS

SEX OF DRIVER BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MALE	181	72.7	7,768	61.4	17,317	63.1	25,266	62.6
FEMALE	68	27.3	4,893	38.6	10,125	36.9	15,086	37.4
UNKNOWN	0	-	3	-	2,790	-	2,793	-
TOTAL	249	100.0	12,664	100.0	30,232	100.0	43,145	100.0

TABLE 3.4.11

OLDER DRIVERS INVOLVED IN 1993 MISSOURI ACCIDENTS

AGE OF DRIVER BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AVERAGE AGE OF OLDER DRIVER¹	68.1	-	66.7	-	66.8	-	66.8	-
55 - 59 YEARS	54	21.7	3,200	25.3	7,629	25.2	10,883	25.2
60 - 64 YEARS	57	22.9	2,714	21.4	6,406	21.2	9,177	21.3
65 - 69 YEARS	40	16.1	2,305	18.2	5,489	18.2	7,834	18.2
70 - 74 YEARS	32	12.9	1,854	14.6	4,518	14.9	6,404	14.8
75 YEARS AND OVER	66	26.5	2,591	20.5	6,190	20.5	8,847	20.5
TOTAL	249	100.0	12,664	100.0	30,232	100.0	43,145	100.0

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

TABLE 3.4.12

**OLDER DRIVERS INVOLVED IN 1993 MISSOURI ACCIDENTS
DRIVER'S LICENSE STATE AND TYPE BY ACCIDENT SEVERITY**

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MISSOURI								
LEARNER'S PERMIT	1	0.4	15	0.1	42	0.2	58	0.2
FOR HIRE	6	2.5	341	2.8	731	2.8	1,078	2.8
OPERATOR'S LICENSE	184	75.1	10,097	82.7	21,476	82.2	31,757	82.3
MOTORCYCLE ONLY	1	0.4	1	0.0	2	0.0	4	0.0
COMERCIAL DRIVER'S LICENSE	17	6.9	471	3.9	1,178	4.5	1,666	4.3
SUB-TOTAL	209	85.3	10,925	89.5	23,429	89.7	34,563	89.6
OUT STATE								
LEARNER'S PERMIT	0	0.0	2	0.0	4	0.0	6	0.0
FOR HIRE	0	0.0	16	0.1	51	0.2	67	0.2
OPERATOR'S LICENSE	27	11.0	1,094	9.0	2,215	8.5	3,336	8.7
MOTORCYCLE ONLY	0	0.0	0	0.0	1	0.0	1	0.0
COMMERCIAL DRIVER'S LICENSE	5	2.0	112	0.9	308	1.2	425	1.1
SUB-TOTAL	32	13.1	1,224	10.0	2,579	9.9	3,835	9.9
UNLICENSED	4	1.6	57	0.5	114	0.4	175	0.5
UNKNOWN	4	-	458	-	4,110	-	4,572	-
TOTAL	249	100.0	12,664	100.0	30,232	100.0	43,145	100.0

TABLE 3.4.13

OLDER DRIVERS INVOLVED IN 1993 MISSOURI ACCIDENTS

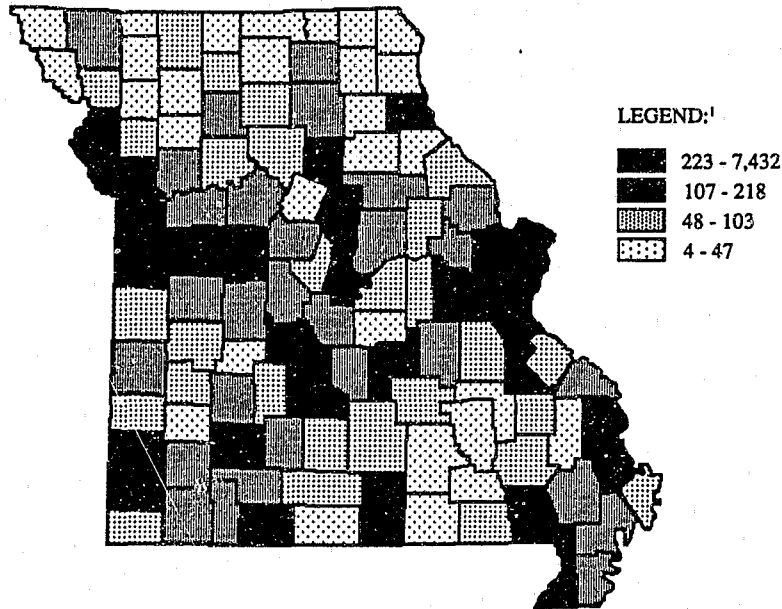
TYPE OF VEHICLE DRIVEN BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AUTOMOBILE	149	59.8	9,252	73.1	21,520	71.2	30,921	71.7
SPORT UTILITY VEHICLE	8	3.2	267	2.1	570	1.9	845	2.0
VAN /SMALL BUS	9	3.6	704	5.6	1,739	5.8	2,452	5.7
BUS	1	0.4	65	0.5	155	0.5	221	0.5
SCHOOL BUS	1	0.4	46	0.4	185	0.6	232	0.5
MOTORCYCLE	1	0.4	47	0.4	6	0.0	54	0.1
MOPED	0	0.0	1	0.0	1	0.0	2	0.0
MOTORHOME /CAMPER	2	0.8	30	0.2	97	0.3	129	0.3
FARM EQUIPMENT	3	1.2	24	0.2	47	0.2	74	0.2
CONSTRUCTION EQUIPMENT	0	0.0	9	0.1	19	0.1	28	0.1
OTHER TRANSPORT DEVICE	2	0.8	16	0.1	18	0.1	36	0.1
PICK-UP TRUCK	57	22.9	1,783	14.1	4,673	15.5	6,513	15.1
OTHER TRUCKS	16	6.4	414	3.3	1,176	3.9	1,606	3.7
ALL TERRAIN VEHICLE	0	0.0	3	0.0	1	0.0	4	0.0
UNKNOWN	0	-	3	-	25	-	28	-
TOTAL	249	100.0	12,664	100.0	30,232	100.0	43,145	100.0

TABLE 3.4.14

1993 OLDER DRIVER INVOLVED ACCIDENTS

COUNTY QUARTILE ANALYSIS



¹LEGEND CATEGORIES ARE BASED ON QUARTILES OF COUNTIES.

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
1.0	ST. LOUIS	7,432	18.9	19.0	SCOTT	321	0.8
2.0	JACKSON	6,707	17.1	20.0	PLATTE	301	0.8
3.0	ST. LOUIS CITY	3,612	9.2	21.0	CASS	293	0.7
4.0	GREENE	1,936	4.9	22.0	PHELPS	289	0.7
5.0	CLAY	1,254	3.2	23.0	MARION	287	0.7
6.0	ST. CHARLES	1,096	2.8	24.0	HOWELL	267	0.7
7.0	JASPER	897	2.3	25.0	DUNKLIN	243	0.6
8.0	JEFFERSON	878	2.2	26.0	CAMDEN	236	0.6
9.0	BUCHANAN	782	2.0	27.0	LACLEDE	232	0.6
10.0	CAPE GIRARDEAU	765	1.9	28.0	RANDOLPH	224	0.6
11.0	BOONE	729	1.9	29.0	JOHNSON	223	0.6
12.0	COLE	538	1.4				
13.0	FRANKLIN	528	1.3				
14.0	TANEY	480	1.2				
15.0	BUTLER	450	1.1				
16.0	ST. FRANCOIS	357	0.9	30.0	CALLAWAY	218	0.6
17.0	PETTIS	352	0.9	31.0	STODDARD	217	0.6
18.0	NEWTON	326	0.8	32.0	BARRY	200	0.5
				33.0	LAWRENCE	191	0.5

First Quartile

Second Quartile

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
34.0	LAFAYETTE	186	0.5	75.0	RIPLEY	74	0.2
35.0	SALINE	184	0.5	76.0	MC DONALD	72	0.2
36.0	HENRY	183	0.5	77.0	CARROLL	71	0.2
37.0	VERNON	177	0.5	78.0	MONTGOMERY	70	0.2
38.0	CHRISTIAN	176	0.4	79.0	CLINTON	65	0.2
39.0	ADAIR	165	0.4	80.0	BARTON	58	0.1
40.0	POLK	160	0.4	81.0	CHARITON	55	0.1
41.0	AUDRAIN	157	0.4	82.0	OSAGE	54	0.1
42.0	PEMISCOTT	155	0.4	83.0	HARRISON	53	0.1
43.0	STONE	146	0.4	84.0	MADISON	52	0.1
44.0	PULASKI	143	0.4	85.0	ST. CLAIR	50	0.1
45.0	NODAWAY	138	0.4	86.0	DOUGLAS	48	0.1
46.0	LIVINGSTON	136	0.3				
47.0	MILLER	131	0.3				
48.0	WEBSTER	122	0.3				
49.0	NEW MADRID	118	0.3				
50.0	MACON	114	0.3				
51.5	COOPER	112	0.3				
51.5	MORGAN	112	0.3				
53.0	CRAWFORD	111	0.3				
55.0	BENTON	110	0.3				
55.0	PERRY	110	0.3				
55.0	RAY	110	0.3				
57.0	WARREN	109	0.3				
58.0	LINCOLN	107	0.3				
Second Quartile							
Third Quartile							
59.0	TEXAS	103	0.3	87.5	IRON	47	0.1
60.0	DALLAS	96	0.2	87.5	LEWIS	47	0.1
61.0	MISSISSIPPI	94	0.2	89.5	DAVISS	45	0.1
62.0	WASHINGTON	93	0.2	89.5	HICKORY	45	0.1
63.0	WRIGHT	92	0.2	91.5	CLARK	43	0.1
64.0	BATES	91	0.2	91.5	MONROE	43	0.1
65.0	GASCONADE	90	0.2	93.0	OREGON	40	0.1
66.0	PIKE	88	0.2	95.0	ATCHISON	37	0.1
67.0	LINN	85	0.2	95.0	MARIES	37	0.1
68.5	CEDAR	84	0.2	95.0	OZARK	37	0.1
68.5	GRUNDY	84	0.2	97.0	CARTER	36	0.1
70.0	DENT	83	0.2	98.5	BOLLINGER	34	0.1
71.0	STE. GENEVIEVE	80	0.2	98.5	CALDWELL	34	0.1
72.0	ANDREW	79	0.2	100.0	DE KALB	32	0.1
73.0	MONITEAU	77	0.2	101.5	GENTRY	31	0.1
74.0	WAYNE	75	0.2	101.5	RALLS	31	0.1
				103.0	HOLT	30	0.1
				104.0	SCOTLAND	28	0.1
				105.0	PUTNAM	27	0.1
				106.5	SHANNON	25	0.1
				106.5	SHELBY	25	0.1
				108.5	HOWARD	24	0.1
				108.5	SULLIVAN	24	0.1
				110.0	KNOX	19	0.0
				111.0	REYNOLDS	18	0.0
				112.0	SCHUYLER	16	0.0
				113.0	DADE	15	0.0
				114.0	MERCER	8	0.0
				115.0	WORTH	4	0.0

TABLE 3.4.15

1993 OLDER DRIVER INVOLVED ACCIDENTS

CITY LISTING

RANK	CITY	FREQUENCY	PERCENT ¹
1.0	KANSAS CITY	5,242	17.3
2.0	ST. LOUIS	3,612	11.9
3.0	SPRINGFIELD	1,659	5.5
4.0	INDEPENDENCE	1,011	3.3
5.0	ST. JOSEPH	734	2.4
6.0	JOPLIN	643	2.1
7.0	COLUMBIA	598	2.0
8.0	CAPE GIRARDEAU	566	1.9
9.0	ST. CHARLES	519	1.7
10.0	JEFFERSON CITY	474	1.6
11.0	FLORISSANT	384	1.3
12.0	POPLAR BLUFF	320	1.1
13.0	RAYTOWN	296	1.0
14.0	CREVE COEUR	294	1.0
15.0	LEE'S SUMMIT	293	1.0
16.0	SEDALIA	291	1.0
17.0	KIRKWOOD	289	1.0
18.0	BRIDGETON	264	0.9
19.0	BLUE SPRINGS	255	0.8
20.0	BRANSON	251	0.8
21.0	CHESTERFIELD	238	0.8
22.0	HANNIBAL	213	0.7
23.0	RICHMOND HEIGHTS	211	0.7
24.0	SIKESTON	207	0.7
25.0	ST. PETERS	206	0.7
26.0	TOWN AND COUNTRY	192	0.6
27.0	MARYLAND HEIGHTS	191	0.6
28.0	WEBSTER GROVES	184	0.6
29.0	CLAYTON	179	0.6
30.0	LIBERTY	178	0.6
31.5	ARNOLD	170	0.6
31.5	UNIVERSITY CITY	170	0.6
33.5	FERGUSON	168	0.6
33.5	MOBERLY	168	0.6
35.0	ROLLA	164	0.5
36.0	LEBANON	163	0.5
37.0	OVERLAND	161	0.5
38.0	GLADSTONE	160	0.5
39.0	NORTH KANSAS CITY	156	0.5
40.0	HAZELWOOD	151	0.5
41.0	SUNSET HILLS	147	0.5
42.0	WEST PLAINS	145	0.5
43.0	KIRKSVILLE	138	0.5
44.0	FARMINGTON	137	0.5

¹Percentage is based on older driver involved accidents which occurred in Missouri municipalities with populations of 1,000 or more. Only those municipalities comprising 0.5% or more of these accidents are listed.

TABLE 3.4.16

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

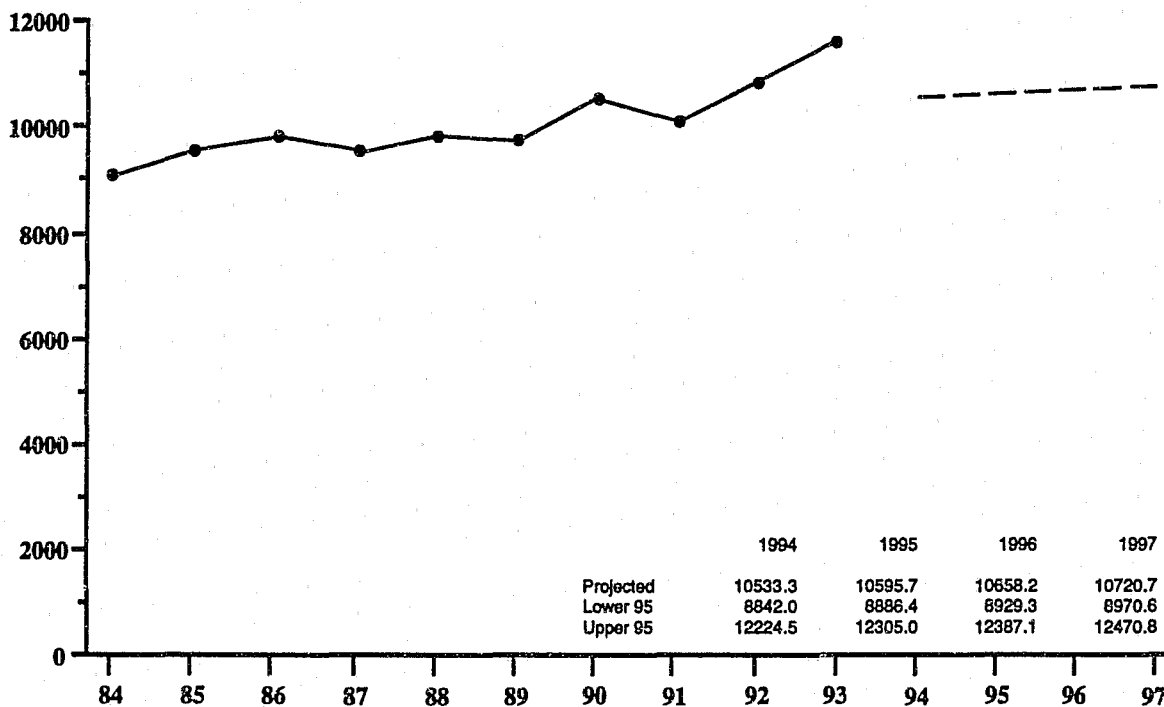


FIGURE 3.4.4

3.5 COMMERCIAL MOTOR VEHICLE INVOLVEMENT

This section presents a series of data displays which identify commercial motor vehicle involvement in Missouri's traffic accident activity. Commercial motor vehicle traffic accidents are defined as any accident in which one or more commercial motor vehicles were directly involved in the incident. Commercial motor vehicles include trucks having 6 or more tires, buses or school buses having occupant capacities of 16 or more, and vehicles displaying hazardous material placards. Data displays also are provided which describe characteristics of the commercial motor vehicle drivers involved in these traffic accidents.

1993 SUMMARY ANALYSIS

- Of all 1993 Missouri traffic accidents, 9.1% involved a commercial motor vehicle. Of all fatal traffic accidents, 15.9% involved a commercial motor vehicle. A total of 155 persons were killed and 5,615 were injured in commercial motor vehicle accidents.
- In 1993, one person was killed or injured in a commercial motor vehicle related accident every 1.5 hours in the State of Missouri.
- Of all 1993 commercial motor vehicle accidents, the first harmful event in 70.4% of the cases involved one motor vehicle in transport striking another motor vehicle in transport. In 11.5% of the cases, it involved a motor vehicle striking a fixed object.
- Of all 1993 commercial motor vehicle involved accidents, 54.3% occurred in an urban area of the State and 45.7% occurred in a rural area. However, in those cases where commercial motor vehicles were involved in fatal accidents 78.5% occurred in rural area.
- Of all commercial motor vehicles involved in 1993 traffic accidents, 37.3% were non-placarded two-unit trucks, 31.8% were non-placarded single unit trucks, and 10.9% were non-placarded pick-up trucks.
- Of all commercial motor vehicle drivers involved in 1993 traffic accidents, 90.5% were male and 9.5% were female. The average age of commercial motor vehicle drivers was 39.8 years.
- Of all commercial motor vehicle drivers involved in these accidents, 72.3% had a Missouri driver's license, 27.4% had an out-of-state driver's license, and 0.4% were unlicensed at the time of the traffic accident.

1993 MISSOURI TRAFFIC ACCIDENTS
COMMERCIAL MOTOR VEHICLE INVOLVEMENT

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	TOTAL NUMBER ¹		COMM. MOTOR VEH. DRIVERS/PASSENGERS ²	
									KILLED	INJURED	KILLED	INJURED
COMMERCIAL MOTOR VEHICLE INVOLVED	130	15.9	3,410	7.5	10,879	9.8	14,419	9.1	155	5,615	30	2,568
NO COMMERCIAL MOTOR VEHICLE INVOLVED	688	84.1	42,337	92.5	100,666	90.2	143,691	90.9	769	67,015	-	-
UNKNOWN ³	25	-	3,291	-	16,370	-	19,686	-	25	4,887	-	-
TOTAL	843	100.0	49,038	100.0	127,915	100.0	177,796	100.0	949	77,517	30	2,568

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

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

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

TABLE 3.5.1

1993 COMMERCIAL MOTOR VEHICLE INVOLVED ACCIDENTS

ACCIDENT TYPE BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
ANIMAL	0	0.0	8	0.2	185	1.7	193	1.3
BICYCLIST	2	1.5	16	0.5	0	0.0	18	0.1
FIXED OBJECT	8	6.2	305	8.9	1,344	12.4	1,657	11.5
OTHER OBJECT	1	0.8	21	0.6	124	1.1	146	1.0
PEDESTRIAN	8	6.2	46	1.4	3	0.0	57	0.4
TRAIN	2	1.5	2	0.1	8	0.1	12	0.1
VEHICLE IN TRANSPORT	89	68.5	2,565	75.2	7,497	68.9	10,151	70.4
VEHICLE ON OTHER ROADWAY	9	6.9	24	0.7	40	0.4	73	0.5
PARKED VEHICLE	4	3.1	100	2.9	1,025	9.4	1,129	7.8
NON-COLLISION OVERTURN	5	3.9	238	7.0	333	3.1	576	4.0
NON-COLLISION OTHER	2	1.5	85	2.5	320	2.9	407	2.8
TOTAL	130	100.0	3,410	100.0	10,879	100.0	14,419	100.0

TABLE 3.5.2

1993 COMMERCIAL MOTOR VEHICLE INVOLVED ACCIDENTS

AREA CLASSIFICATION BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
URBAN	28	21.5	1,663	48.8	6,140	56.4	7,831	54.3
RURAL	102	78.5	1,747	51.2	4,739	43.6	6,588	45.7
TOTAL	130	100.0	3,410	100.0	10,879	100.0	14,419	100.0

TABLE 3.5.3

1993 COMMERCIAL MOTOR VEHICLE INVOLVED ACCIDENTS

ROAD CURVATURE BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
STRAIGHT	99	76.2	2,882	85.0	8,748	87.3	11,729	86.6
CURVE	31	23.8	508	15.0	1,274	12.7	1,813	13.4
UNKNOWN	0	-	20	-	857	-	877	-
TOTAL	130	100.0	3,410	100.0	10,879	100.0	14,419	100.0

TABLE 3.5.4

1993 COMMERCIAL MOTOR VEHICLE INVOLVED ACCIDENTS

ROAD INCLINE BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
LEVEL	77	59.2	2,187	64.6	6,999	70.1	9,263	68.6
HILL	50	38.5	1,128	33.3	2,830	28.3	4,008	29.7
CREST	3	2.3	69	2.0	161	1.6	233	1.7
UNKNOWN	0	-	26	-	889	-	915	-
TOTAL	130	100.0	3,410	100.0	10,879	100.0	14,419	100.0

TABLE 3.5.5

1993 COMMERCIAL MOTOR VEHICLE INVOLVED ACCIDENTS

ROAD CONDITIONS BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRY	105	80.8	2,353	69.3	7,790	72.0	10,248	71.4
WET	21	16.2	850	25.0	2,200	20.3	3,071	21.4
SNOW	4	3.1	81	2.4	386	3.6	471	3.3
ICE	0	0.0	108	3.2	430	4.0	538	3.8
MUD	0	0.0	4	0.1	14	0.1	18	0.1
UNKNOWN	0	-	14	-	59	-	73	-
TOTAL	130	100.0	3,410	100.0	10,879	100.0	14,419	100.0

TABLE 3.5.6

1993 COMMERCIAL MOTOR VEHICLE INVOLVED ACCIDENTS

HIGHWAY CLASSIFICATION BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	35	26.9	804	23.6	2,339	21.5	3,178	22.0
U.S. HIGHWAY	32	24.6	581	17.0	1,490	13.7	2,103	14.6
STATE NUMBERED	27	20.8	601	17.6	1,544	14.2	2,172	15.1
SINGLE STATE LETTERED	12	9.2	229	6.7	499	4.6	740	5.1
DOUBLE STATE LETTERED	2	1.5	87	2.6	166	1.5	255	1.8
OUTER ROAD	0	0.0	20	0.6	88	0.8	108	0.8
COUNTY ROAD	8	6.2	198	5.8	662	6.1	868	6.0
CITY STREET	13	10.0	821	24.1	3,775	34.7	4,609	32.0
INTERSTATE LOOP	0	0.0	20	0.6	53	0.5	73	0.5
OTHER ¹	1	0.8	49	1.4	263	2.4	313	2.2
TOTAL	130	100.0	3,410	100.0	10,879	100.0	14,419	100.0

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

TABLE 3.5.7

1993 COMMERCIAL MOTOR VEHICLE INVOLVED ACCIDENTS

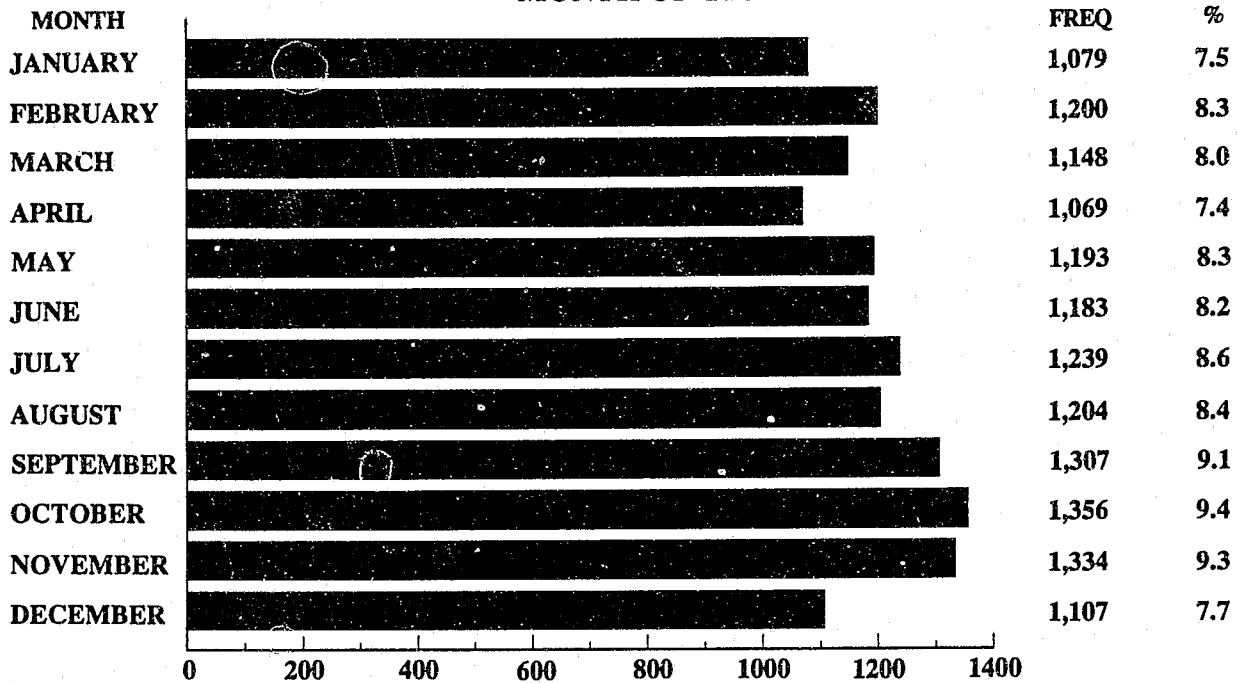
HIGHWAY CLASSIFICATION BY AREA CLASSIFICATION AND ACCIDENT SEVERITY

	URBAN								RURAL							
	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	11	39.3	385	23.2	1,110	17.9	1,496	19.1	24	23.5	419	24.0	1,239	26.1	1,682	25.5
U.S. HIGHWAY	1	3.6	185	11.1	567	9.2	753	9.6	31	30.4	396	22.7	923	19.5	1,350	20.5
STATE NUMBERED	3	10.7	191	11.5	534	8.7	728	9.3	24	23.5	410	23.5	1,010	21.3	1,444	21.9
SINGLE STATE LETTERED	0	0.0	32	1.9	106	1.7	138	1.8	12	11.8	197	11.3	393	8.3	602	9.1
DOUBLE STATE LETTERED	0	0.0	13	0.8	35	0.6	48	0.6	2	2.0	74	4.2	131	2.8	207	3.1
OUTER ROAD	0	0.0	5	0.3	39	0.6	44	0.6	0	0.0	15	0.9	49	1.0	64	1.0
COUNTY ROAD	0	0.0	39	2.4	156	2.5	195	2.5	8	7.8	159	9.1	506	10.7	673	10.2
CITY STREET	13	46.4	770	46.3	3,410	55.5	4,193	53.5	0	0.0	51	2.9	365	7.7	416	6.3
INTERSTATE LOOP	0	0.0	16	1.0	39	0.6	55	0.7	0	0.0	4	0.2	14	0.3	18	0.3
OTHER ¹	0	0.0	27	1.6	154	2.5	181	2.3	1	1.0	22	1.3	109	2.3	132	2.0
TOTAL	28	100.0	1,663	100.0	6,140	100.0	7,831	100.0	102	100.0	1,747	100.0	4,739	100.0	6,588	100.0

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

TABLE 3.5.8

**1993 MISSOURI COMMERCIAL MOTOR VEHICLE INVOLVED ACCIDENTS
MONTH OF YEAR**

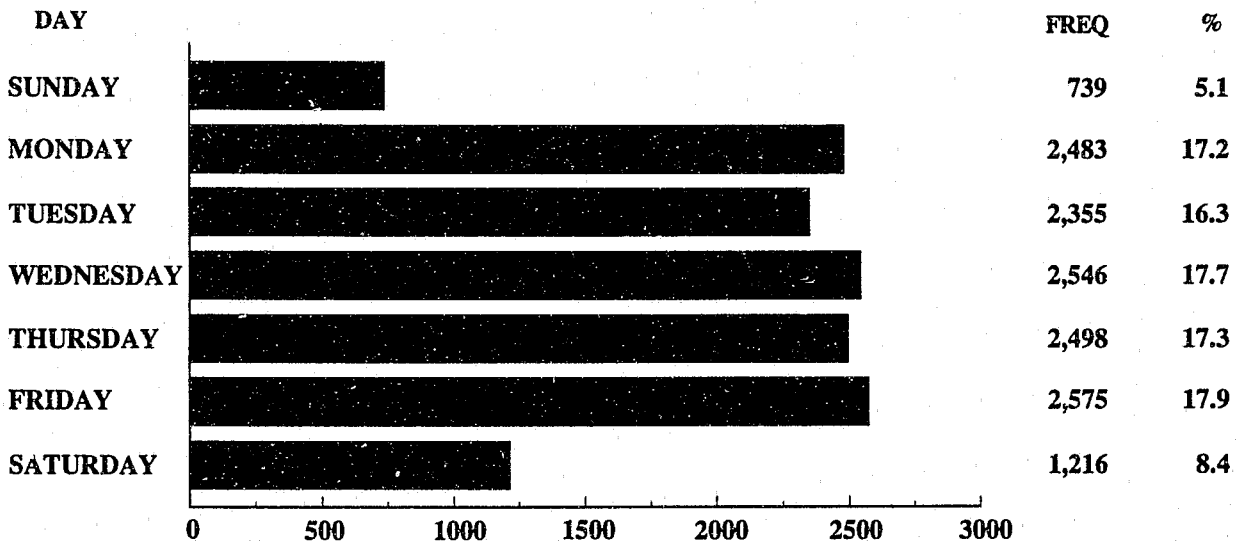


FREQUENCY

UNKNOWN DATA NOT INCLUDED

FIGURE 3.5.1

**1993 MISSOURI COMMERCIAL MOTOR VEHICLE INVOLVED ACCIDENTS
DAY OF WEEK**

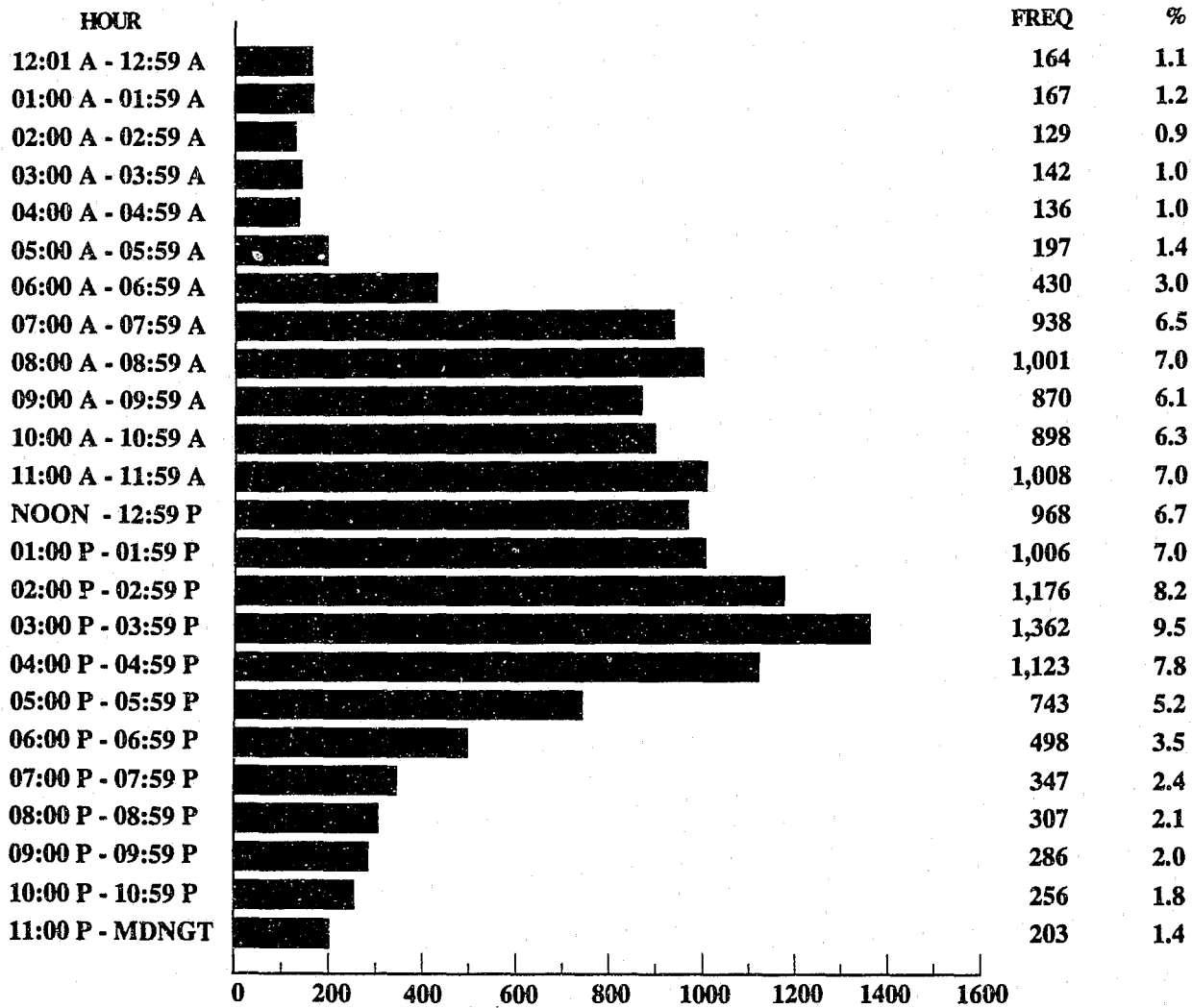


FREQUENCY

UNKNOWN DATA NOT INCLUDED

FIGURE 3.5.2

1993 MISSOURI COMMERCIAL MOTOR VEHICLE INVOLVED ACCIDENTS HOUR OF DAY



FREQUENCY

UNKNOWN DATA NOT INCLUDED

FIGURE 3.5.3

1993 MISSOURI COMMERCIAL MOTOR VEHICLE ACCIDENTS

TYPE OF CIRCUMSTANCE INVOLVED BY ACCIDENT SEVERITY AND PERSON CLASSIFICATION¹

FATAL COMMERCIAL MOTOR VEHICLE ACCIDENTS = 130				TOTAL COMMERCIAL MOTOR VEHICLE ACCIDENTS = 14,419		
	COMM. M. V. DRIVER/ VEHICLE	OTHER DRIVER/ VEHICLE/PED.	TOTAL FATAL	COMM. M. V. DRIVER/ VEHICLE	OTHER DRIVER/ VEHICLE/PED.	TOTAL ACCIDENTS
EXCEEDING SPEED LIMIT / TOO FAST FOR CONDITIONS	7.7	13.8	21.5	7.5	6.2	13.5
IMPROPER PASSING	0.8	0.0	0.8	0.9	2.0	2.8
VIOLATION OF STOP SIGN	3.8	3.8	7.7	1.2	1.8	3.0
WRONG SIDE NOT PASSING	4.6	18.5	22.3	1.6	1.6	3.1
FOLLOWING TOO CLOSE	2.3	4.6	6.9	4.4	2.9	7.2
IMPROPER SIGNAL	0.0	0.0	0.0	0.4	0.2	0.6
IMPROPER BACKING	0.0	0.0	0.0	3.2	0.4	3.6
IMPROPER TURN	0.8	0.8	1.5	3.7	1.2	4.9
IMPROPER LANE USAGE / CHANGE	0.8	1.5	2.3	3.1	2.5	5.5
WRONG WAY ONE-WAY STREET	0.0	0.8	0.8	0.1	0.1	0.2
IMPROPER START FROM PARK	0.0	0.0	0.0	0.2	0.1	0.2
IMPROPERLY PARKED	0.8	0.8	1.5	0.7	0.7	1.4
VEHICLE DEFECTS	3.8	0.0	3.8	5.6	1.2	6.8
FAILED TO YIELD	4.6	16.2	20.8	4.9	5.9	10.7
DRINKING	1.5	7.7	9.2	0.5	1.8	2.3
DRUGS	0.0	0.0	0.0	0.0	0.1	0.1
PHYSICAL IMPAIRMENT	2.3	2.3	4.6	0.6	0.4	1.0
INATTENTION	17.7	41.5	58.5	35.4	23.3	53.9

¹This table identifies the percentage of commercial motor vehicle accidents having a specific type of circumstance which contributed to the cause of the accident. This table further defines the percentage of accidents 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 accident. For instance, when examining speed involvement in 1993 Missouri fatal commercial motor vehicle accidents, it was found that a commercial motor vehicle driver was speeding in 7.7% of the accidents. In 13.8% of the accidents another driver was speeding. In 21.5% of the accidents either a commercial motor vehicle driver, another driver, or both drivers were speeding.

TABLE 3.5.9

COMMERCIAL MOTOR VEHICLES INVOLVED IN 1993 MISSOURI ACCIDENTS

TYPE OF COMMERCIAL MOTOR VEHICLE BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
PLACARDED								
AUTOMOBILE	0	0.0	1	0.0	0	0.0	1	0.0
OTHER TRANSPORT DEVICE	0	0.0	1	0.0	1	0.0	2	0.0
PICK-UP TRUCK	0	0.0	2	0.1	3	0.0	5	0.0
SINGLE UNIT TRUCK	1	0.7	23	0.6	32	0.3	56	0.4
TWO-UNIT TRUCK	2	1.4	33	0.9	62	0.5	97	0.6
MULTI-UNIT TRUCK	0	0.0	0	0.0	10	0.1	10	0.1
NON-PLACARDED TRUCKS HAVING 6 OR MORE TIRES								
PICK-UP TRUCK	20	14.5	413	11.4	1,224	10.7	1,657	10.9
SINGLE UNIT TRUCK	37	26.8	1,184	32.8	3,613	31.5	4,834	31.8
TWO-UNIT TRUCK	63	45.7	1,291	35.8	4,320	37.7	5,674	37.3
MULTI-UNIT TRUCK	6	4.3	72	2.0	233	2.0	311	2.0
NON-PLACARDED BUS - 16 OR MORE SEATING CAPACITY								
BUS	4	2.9	318	8.8	942	8.2	1,264	8.3
SCHOOL BUS - 16 OR MORE SEATING CAPACITY	5	3.6	272	7.5	1,032	9.0	1,309	8.6
TOTAL	138	100.0	3,610	100.0	11,472	100.0	15,220	100.0

TABLE 3.5.10

**COMMERCIAL MOTOR VEHICLES INVOLVED IN 1993 MISSOURI ACCIDENTS
DRIVER INVOLVEMENT BY ACCIDENT SEVERITY**

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRIVERLESS	8	5.8	113	3.1	370	3.2	491	3.2
KNOWN DRIVER INVOLVED	130	94.2	3,455	95.7	10,616	92.5	14,201	93.3
UNKNOWN DRIVER INVOLVED	0	0.0	42	1.2	486	4.2	528	3.5
TOTAL	138	100.0	3,610	100.0	11,472	100.0	15,220	100.0

TABLE 3.5.11

**DRIVERS OF COMMERCIAL MOTOR VEHICLES INVOLVED IN 1993 MISSOURI ACCIDENTS
SEX OF DRIVER BY ACCIDENT SEVERITY**

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MALE	126	96.9	3,125	90.5	9,089	90.4	12,340	90.5
FEMALE	4	3.1	330	9.5	968	9.6	1,302	9.5
UNKNOWN	0	-	42	-	1,045	-	1,087	-
TOTAL	130	100.0	3,497	100.0	11,102	100.0	14,729	100.0

TABLE 3.5.12

DRIVERS OF COMMERCIAL MOTOR VEHICLES INVOLVED IN 1993 MISSOURI ACCIDENTS

AGE OF DRIVER BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AVERAGE AGE OF DRIVER	41.8	-	39.7	-	39.8	-	39.8	-
15 YEARS AND UNDER	0	0.0	1	0.0	2	0.0	3	0.0
16 - 20 YEARS	0	0.0	78	2.3	154	1.5	232	1.7
21 - 25 YEARS	9	6.9	324	9.5	1,012	9.7	1,345	9.6
26 - 30 YEARS	15	11.5	503	14.7	1,554	14.9	2,072	14.8
31 - 35 YEARS	22	16.9	555	16.2	1,631	15.6	2,208	15.8
36 - 40 YEARS	16	12.3	502	14.7	1,540	14.8	2,058	14.7
41 - 45 YEARS	22	16.9	394	11.5	1,336	12.8	1,752	12.5
46 - 50 YEARS	16	12.3	343	10.0	1,118	10.7	1,477	10.6
51 - 55 YEARS	12	9.2	281	8.2	858	8.2	1,151	8.2
56 - 60 YEARS	8	6.2	230	6.7	621	6.0	859	6.1
61 - 65 YEARS	8	6.2	142	4.2	355	3.4	505	3.6
66 YEARS AND OVER	2	1.5	71	2.1	263	2.5	336	2.4
UNKNOWN	0	-	73	-	658	-	731	-
TOTAL	130	100.0	3,497	100.0	11,102	100.0	14,729	100.0

TABLE 3.5.13

DRIVERS OF COMMERCIAL MOTOR VEHICLES INVOLVED IN 1993 MISSOURI ACCIDENTS

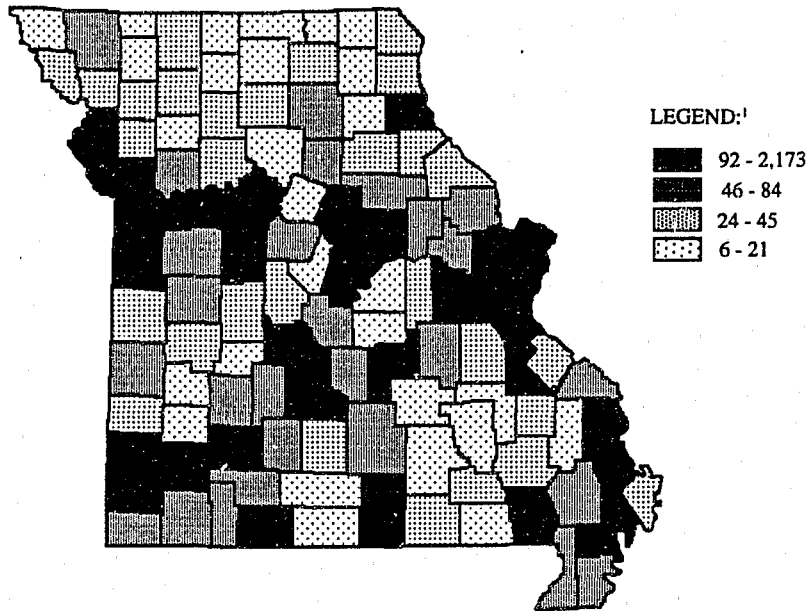
DRIVER'S LICENSE STATE AND TYPE BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MISSOURI								
LEARNER'S PERMIT	0	0.0	1	0.0	7	0.1	8	0.1
FOR HIRE	6	4.7	202	6.1	605	6.4	813	6.3
OPERATOR'S LICENSE	16	12.5	557	16.7	1,528	16.0	2,101	16.2
MOTORCYCLE ONLY	0	0.0	3	0.1	4	0.0	7	0.1
COMMERCIAL DRIVER'S LICENSE	69	53.9	1,685	50.5	4,710	49.4	6,464	49.8
SUB-TOTAL	91	71.1	2,448	73.4	6,854	71.9	9,393	72.3
OUT STATE								
LEARNER'S PERMIT	0	0.0	1	0.0	3	0.0	4	0.0
FOR HIRE	1	0.8	28	0.8	89	0.9	118	0.9
OPERATOR'S LICENSE	2	1.6	127	3.8	402	4.2	531	4.1
MOTORCYCLE ONLY	0	0.0	1	0.0	0	0.0	1	0.0
COMMERCIAL DRIVER'S LICENSE	33	25.8	715	21.4	2,152	22.6	2,900	22.3
SUB-TOTAL	36	28.1	872	26.1	2,646	27.8	3,554	27.4
UNLICENSED	1	0.8	17	0.5	28	0.3	46	0.4
UNKNOWN	2	-	160	-	1,574	-	1,736	-
TOTAL	130	100.0	3,497	100.0	11,102	100.0	14,729	100.0

TABLE 3.5.14

1993 COMMERCIAL MOTOR VEHICLE INVOLVED ACCIDENTS

COUNTY QUARTILE ANALYSIS



¹LEGEND CATEGORIES ARE BASED ON QUARTILES OF COUNTIES.

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
1.0	ST. LOUIS	2,173	15.1	19.0	LAFAYETTE	127	0.9
2.0	JACKSON	2,151	14.9	20.0	CASS	117	0.8
3.0	ST. LOUIS CITY	1,809	12.5	21.0	BUTLER	115	0.8
4.0	GREENE	565	3.9	22.0	LAWRENCE	110	0.8
5.0	ST. CHARLES	448	3.1	23.0	HOWELL	103	0.7
6.0	CLAY	424	2.9	24.0	SCOTT	102	0.7
7.0	JEFFERSON	290	2.0	25.0	MARION	98	0.7
8.0	BOONE	281	1.9	26.0	LACLEDE	94	0.7
9.0	JASPER	276	1.9	29.0	CAMDEN	92	0.6
10.0	BUCHANAN	238	1.7	29.0	NEW MADRID	92	0.6
11.0	FRANKLIN	229	1.6	29.0	PETTIS	92	0.6
12.0	CAPE GIRARDEAU	198	1.4	29.0	ST. FRANCOIS	92	0.6
13.0	NEWTON	182	1.3	29.0	SALINE	92	0.6
14.0	TANEY	176	1.2				
15.0	PLATTE	160	1.1				
16.0	COLE	157	1.1				
17.0	CALLAWAY	145	1.0	33.0	BARRY	84	0.6
18.0	PHELPS	143	1.0	33.0	CHRISTIAN	84	0.6

First Quartile

Second Quartile

1993 COMMERCIAL MOTOR VEHICLE INVOLVED ACCIDENTS

CITY LISTING

RANK	CITY	FREQUENCY	PERCENT ¹
1.0	ST. LOUIS	1,809	19.9
2.0	KANSAS CITY	1,804	19.9
3.0	SPRINGFIELD	387	4.3
4.0	ST. JOSEPH	198	2.2
5.0	COLUMBIA	194	2.1
6.0	INDEPENDENCE	186	2.1
7.0	ST. CHARLES	159	1.8
8.0	NORTH KANSAS CITY	141	1.6
9.0	JOPLIN	128	1.4
10.0	CAPE GIRARDEAU	120	1.3
11.0	BRIDGETON	113	1.2
12.0	JEFFERSON CITY	112	1.2
13.0	MARYLAND HEIGHTS	106	1.2
14.0	KIRKWOOD	87	1.0
15.0	LEE'S SUMMIT	86	0.9
16.0	BLUE SPRINGS	75	0.8
17.0	CHESTERFIELD	72	0.8
18.0	BERKELEY	70	0.8
20.0	O'FALLON	69	0.8
20.0	ST. PETERS	69	0.8
20.0	SUNSET HILLS	69	0.8
22.0	FLORISSANT	67	0.7
23.0	OVERLAND	66	0.7
24.0	BRANSON	64	0.7
25.0	HAZELWOOD	57	0.6
26.5	HANNIBAL	55	0.6
26.5	TOWN AND COUNTRY	55	0.6
28.0	RAYTOWN	53	0.6
29.0	SEDALIA	51	0.6
30.5	CREVE COEUR	50	0.6
30.5	POPLAR BLUFF	50	0.6
32.0	FENTON	49	0.5
33.0	LIBERTY	48	0.5
34.5	CLAYTON	47	0.5
34.5	RICHMOND HEIGHTS	47	0.5
36.0	WEBSTER GROVES	46	0.5
37.0	ROLLA	45	0.5
38.0	ARNOLD	41	0.5

¹Percentage is based on commercial motor vehicle involved accidents which occurred in Missouri municipalities with populations of 1,000 or more. Only those municipalities comprising 0.5% or more of these accidents 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 accident experience. Motorcycle traffic accidents are defined as any accident 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 accidents.

1993 SUMMARY ANALYSIS

- Of all 1993 Missouri traffic accidents, 0.7% involved a motorcycle. Of all fatal traffic accidents, 3.4% involved a motorcycle. A total of 30 persons were killed and 1,197 were injured in motorcycle accidents.
- In 1993, one person was killed or injured in a motorcycle traffic accident every 7.1 hours in the State of Missouri.
- Of all 1993 motorcycle accidents, the first harmful event in 49.9% of the cases involved one motor vehicle in transport striking another motor vehicle in transport. In 26.9% of the cases, it involved a motor vehicle overturning. In fatal motorcycle traffic accidents, 28.6% of the cases involved a motor vehicle striking a fixed object.
- Of all 1993 motorcycle traffic accidents, 60.3% occurred in urban regions of the State and 39.7% occurred in rural areas. However, when examining fatal motorcycle traffic accidents, 60.7% occurred in rural areas.
- Of all motorcycle drivers involved in traffic accidents, 97.2% were male and 2.8% were female. The average age of motorcyclists was 30.7 years.
- Of those motorcyclists involved in 1993 traffic accidents who wore a helmet, 28.2% were either killed or received a major disabling injury. Of those not wearing helmets, 52.0% were either killed or received a major disabling injury.

**1993 MISSOURI TRAFFIC ACCIDENTS
MOTORCYCLE INVOLVEMENT**

	FATAL		PERSONAL INJURY		PROPERTY DAMAGE		TOTAL		MOTORCYCLE DRIVERS/PASSENGERS' KILLED INJURED	
	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%
MOTORCYCLE INVOLVED	28	3.4	985	2.0	249	0.2	1,262	0.7	29	1,110
NO MOTORCYCLE INVOLVED	808	96.6	47,845	98.0	122,753	99.8	171,406	99.3	-	-
UNKNOWN ¹	7	-	208	-	4,913	-	5,128	-	7	277
TOTAL	843	100.0	49,038	100.0	127,915	100.0	177,796	100.0	949	77,517

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

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

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

TABLE 3.6.1

1992 and 1993 MOTORCYCLE INVOLVED ACCIDENT ANALYSIS

	1992	1993	RATE OF CHANGE
FATAL	45	28	-37.8
PERSONAL INJURY	1,121	985	-12.1
PROPERTY DAMAGE	312	249	-20.2
TOTAL	1,478	1,262	-14.6

TABLE 3.6.2

**1993 MOTORCYCLE INVOLVED ACCIDENTS
ACCIDENT TYPE BY ACCIDENT SEVERITY**

	FATAL		PERSONAL INJURY		PROPERTY DAMAGE		TOTAL	
	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%
ANIMAL	0	0.0	22	2.2	7	2.8	29	2.3
BICYCLIST	0	0.0	6	0.6	0	0.0	6	0.5
FIXED OBJECT	8	28.6	145	14.7	9	3.6	162	12.8
OTHER OBJECT	0	0.0	3	0.3	0	0.0	3	0.2
PEDESTRIAN	1	3.6	8	0.8	0	0.0	9	0.7
TRAIN	0	0.0	0	0.0	0	0.0	0	0.0
VEHICLE IN TRANSPORT	13	46.4	461	46.8	156	62.7	630	49.9
VEHICLE ON OTHER ROADWAY	0	0.0	1	0.1	1	0.4	2	0.2
PARKED VEHICLE	0	0.0	27	2.7	36	14.5	63	5.0
NON-COLLISION OVERTURN	6	21.4	294	29.9	39	15.7	339	26.9
NON-COLLISION OTHER	0	0.0	18	1.8	1	0.4	19	1.5
TOTAL	28	100.0	985	100.0	249	100.0	1,262	100.0

TABLE 3.6.3

1993 MOTORCYCLE INVOLVED ACCIDENTS
AREA CLASSIFICATION BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
URBAN	11	39.3	566	57.5	184	73.9	761	60.3
RURAL	17	60.7	419	42.5	65	26.1	501	39.7
TOTAL	28	100.0	985	100.0	249	100.0	1,262	100.0

TABLE 3.6.4

1993 MOTORCYCLE INVOLVED ACCIDENTS
ROAD CURVATURE BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
STRAIGHT	15	55.6	699	72.0	192	89.7	906	74.8
CURVE	12	44.4	272	28.0	22	10.3	306	25.2
UNKNOWN	1	-	14	-	35	-	50	-
TOTAL	28	100.0	985	100.0	249	100.0	1,262	100.0

TABLE 3.6.5

1993 MOTORCYCLE INVOLVED ACCIDENTS
ROAD INCLINE BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
LEVEL	12	44.4	638	65.8	167	78.4	817	67.6
HILL	13	48.2	312	32.2	43	20.2	368	30.4
CREST	2	7.4	19	2.0	3	1.4	24	2.0
UNKNOWN	1	-	16	-	36	-	53	-
TOTAL	28	100.0	985	100.0	249	100.0	1,262	100.0

TABLE 3.6.6

1993 MOTORCYCLE INVOLVED ACCIDENTS

ROAD CONDITIONS BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRY	28	100.0	906	92.5	222	90.2	1,156	92.2
WET	0	0.0	71	7.2	24	9.8	95	7.6
SNOW	0	0.0	0	0.0	0	0.0	0	0.0
ICE	0	0.0	1	0.1	0	0.0	1	0.1
MUD	0	0.0	2	0.2	0	0.0	2	0.2
UNKNOWN	0	-	5	-	3	-	8	-
TOTAL	28	100.0	985	100.0	249	100.0	1,262	100.0

TABLE 3.6.7

1993 MOTORCYCLE INVOLVED ACCIDENTS

HIGHWAY CLASSIFICATION BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	4	14.3	96	9.8	22	8.8	122	9.7
U.S. HIGHWAY	4	14.3	110	11.2	27	10.8	141	11.2
STATE NUMBERED	4	14.3	154	15.6	34	13.7	192	15.2
SINGLE STATE LETTERED	6	21.4	86	8.7	11	4.4	103	8.2
DOUBLE STATE LETTERED	0	0.0	41	4.2	3	1.2	44	3.5
OUTER ROAD	0	0.0	12	1.2	1	0.4	13	1.0
COUNTY ROAD	3	10.7	104	10.6	17	6.8	124	9.8
CITY STREET	7	25.0	364	37.0	125	50.2	496	39.3
INTERSTATE LOOP	0	0.0	6	0.6	2	0.8	8	0.6
OTHER ¹	0	0.0	12	1.2	7	2.8	19	1.5
TOTAL	28	100.0	985	100.0	249	100.0	1,262	100.0

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

TABLE 3.6.8

1993 MOTORCYCLE INVOLVED ACCIDENTS

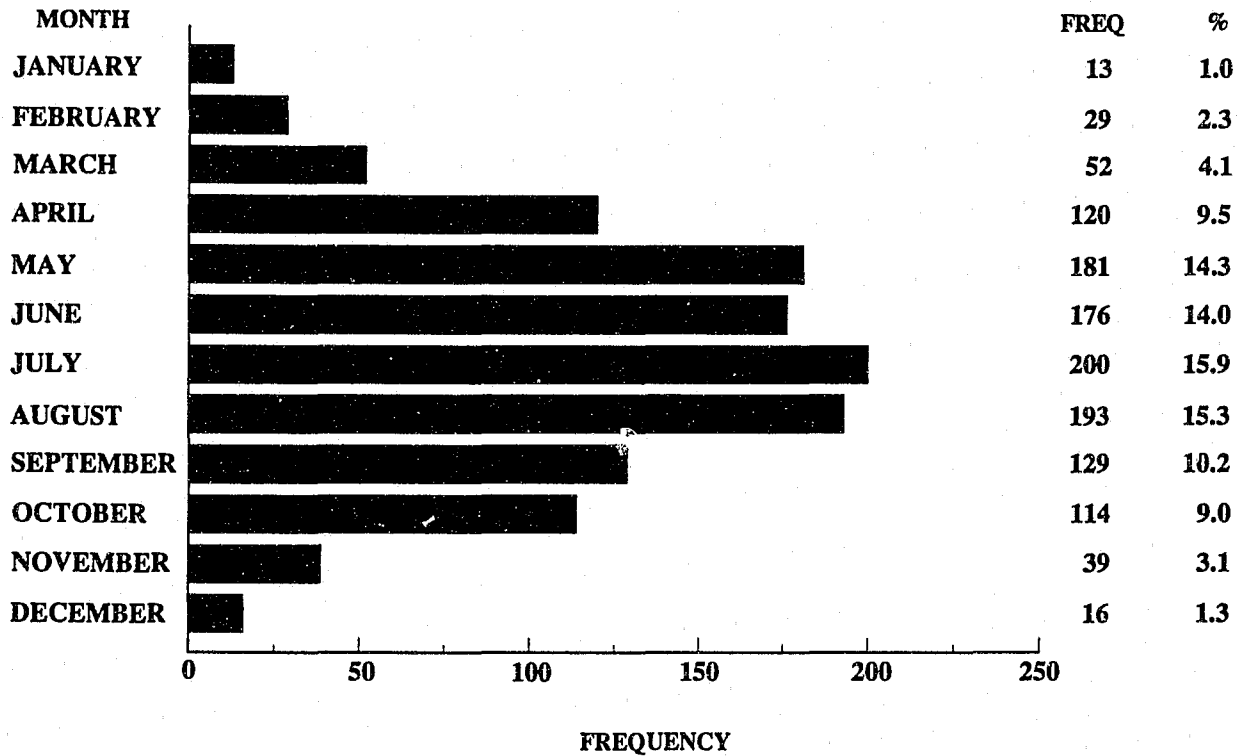
HIGHWAY CLASSIFICATION BY AREA CLASSIFICATION AND ACCIDENT SEVERITY

	URBAN								RURAL							
	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	2	18.2	56	9.9	13	7.1	71	9.3	2	11.8	40	9.6	9	13.9	51	10.2
U.S. HIGHWAY	3	27.3	56	9.9	15	8.2	74	9.7	1	5.9	54	12.9	12	18.5	67	13.4
STATE NUMBERED	0	0.0	59	10.4	22	12.0	81	10.6	4	23.5	95	22.7	12	18.5	111	22.2
SINGLE STATE LETTERED	0	0.0	12	2.1	4	2.2	16	2.1	6	35.3	74	17.7	7	10.8	87	17.4
DOUBLE STATE LETTERED	0	0.0	8	1.4	1	0.5	9	1.2	0	0.0	33	7.9	2	3.1	35	7.0
OUTER ROAD	0	0.0	9	1.6	1	0.5	10	1.3	0	0.0	3	0.7	0	0.0	3	0.6
COUNTY ROAD	0	0.0	13	2.3	3	1.6	16	2.1	3	17.7	91	21.7	14	21.5	108	21.6
CITY STREET	6	54.6	340	60.1	117	63.6	463	60.8	1	5.9	24	5.7	8	12.3	33	6.6
INTERSTATE LOOP	0	0.0	3	0.5	2	1.1	5	0.7	0	0.0	3	0.7	0	0.0	3	0.6
OTHER ¹	0	0.0	10	1.8	6	3.3	16	2.1	0	0.0	2	0.5	1	1.5	3	0.6
TOTAL	11	100.0	566	100.0	184	100.0	761	100.0	17	100.0	419	100.0	65	100.0	501	100.0

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

TABLE 3.6.9

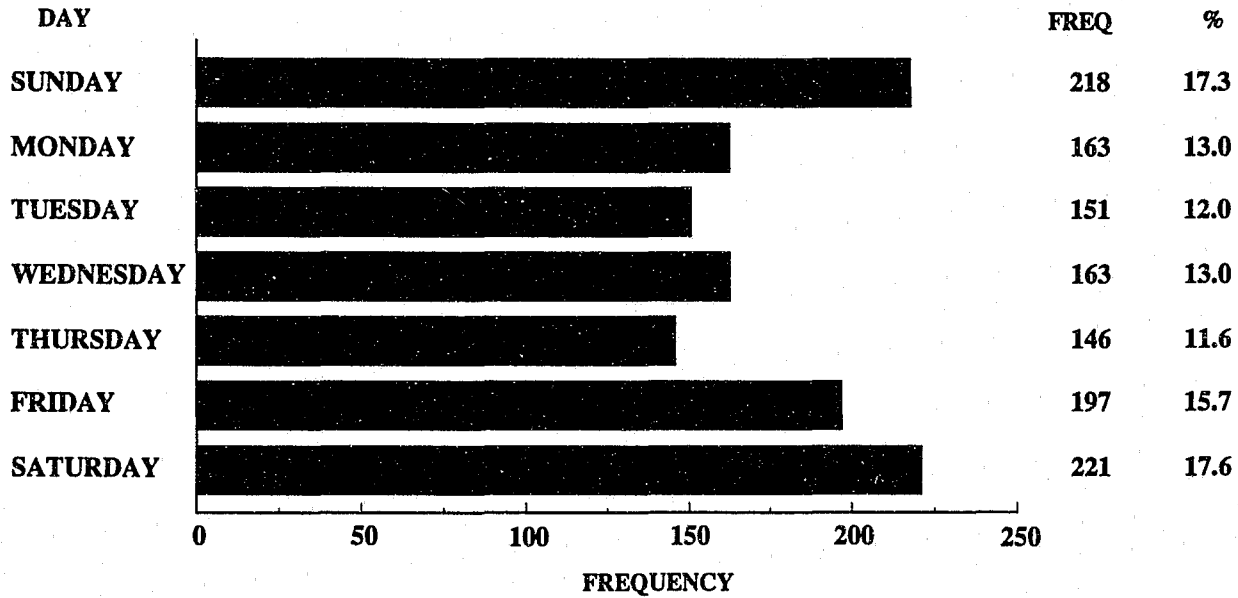
**1993 MISSOURI MOTORCYCLE INVOLVED ACCIDENTS
MONTH OF YEAR**



UNKNOWN DATA NOT INCLUDED

FIGURE 3.6.1

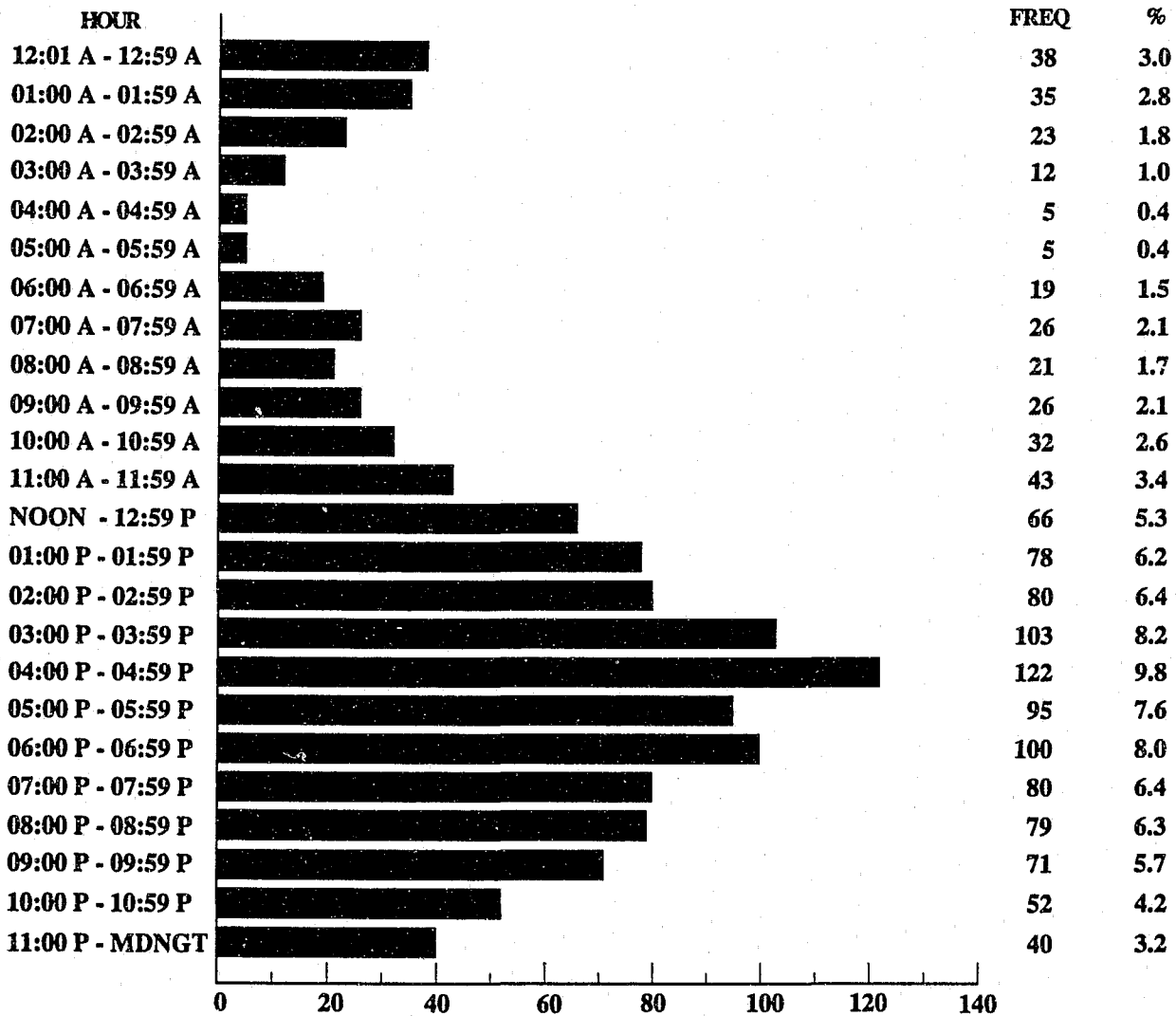
**1993 MISSOURI MOTORCYCLE INVOLVED ACCIDENTS
DAY OF WEEK**



UNKNOWN DATA NOT INCLUDED

FIGURE 3.6.2

**1993 MISSOURI MOTORCYCLE INVOLVED ACCIDENTS
HOUR OF DAY**



FREQUENCY

UNKNOWN DATA NOT INCLUDED

FIGURE 3.6.3

1993 MISSOURI MOTORCYCLE ACCIDENTS

TYPE OF CIRCUMSTANCE INVOLVED BY ACCIDENT SEVERITY AND PERSON CLASSIFICATION¹

	FATAL MOTORCYCLE ACCIDENTS = 28			TOTAL MOTORCYCLE ACCIDENTS = 1,262		
	MOTORCYCLE DRIVER/VEH.	OTHER DRIVER/ VEHICLE/PED.	TOTAL FATAL	MOTORCYCLE DRIVER/VEH.	OTHER DRIVER/ VEHICLE/PED.	TOTAL ACCIDENTS
EXCEEDING SPEED LIMIT / TOO FAST FOR CONDITIONS	46.4	3.6	46.4	23.6	1.0	24.5
IMPROPER PASSING	3.6	0.0	3.6	2.7	0.0	2.7
VIOLATION OF STOP SIGN	3.6	3.6	7.1	2.1	1.6	3.7
WRONG SIDE NOT PASSING	3.6	3.6	7.1	2.4	0.6	2.9
FOLLOWING TOO CLOSE	0.0	0.0	0.0	4.0	1.7	5.5
IMPROPER SIGNAL	0.0	0.0	0.0	0.0	0.5	0.5
IMPROPER BACKING	0.0	0.0	0.0	0.1	0.7	0.7
IMPROPER TURN	0.0	3.6	3.6	1.0	2.5	3.5
IMPROPER LANE USAGE / CHANGE	0.0	0.0	0.0	1.9	1.1	2.9
WRONG WAY ONE-WAY STREET	0.0	0.0	0.0	0.2	0.1	0.3
IMPROPER START FROM PARK	0.0	0.0	0.0	0.5	0.1	0.6
IMPROPERLY PARKED	0.0	0.0	0.0	0.1	0.2	0.3
VEHICLE DEFECTS	0.0	0.0	0.0	3.6	0.4	4.0
FAILED TO YIELD	3.6	14.3	17.9	3.2	15.6	18.7
DRINKING	17.9	3.6	21.4	7.2	2.0	9.2
DRUGS	3.6	0.0	3.6	0.2	0.2	0.5
PHYSICAL IMPAIRMENT	0.0	0.0	0.0	0.6	0.2	0.7
INATTENTION	32.1	17.9	50.0	33.9	18.1	49.7

¹This table identifies the percentage of motorcycle accidents having a specific type of circumstance which contributed to the cause of the accident. This table further defines the percentage of accidents where the contributing circumstance was associated with the motorcyclist or his motorcycle as well as those attributed to other persons and vehicles in the accident. For instance, when examining speed involvement in 1993 Missouri fatal motorcycle accidents, it was found that a motorcyclist was speeding in 46.4% of the accidents. In 3.6% of the accidents another driver was speeding. In 46.4% of the accidents either a motorcyclist, another driver, or both drivers were speeding.

TABLE 3.6.10

MOTORCYCLES INVOLVED IN 1993 MISSOURI ACCIDENTS

DRIVER INVOLVEMENT BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRIVERLESS	0	0.0	1	0.1	28	11.2	29	2.3
KNOWN DRIVER INVOLVED	28	100.0	983	98.7	201	80.1	1,212	95.1
UNKNOWN DRIVER INVOLVED	0	0.0	12	1.2	22	8.8	34	2.7
TOTAL	28	100.0	996	100.0	251	100.0	1,275	100.0

TABLE 3.6.11

DRIVERS OF MOTORCYCLES INVOLVED IN 1993 MISSOURI ACCIDENTS

SEX OF DRIVER BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MALE	27	96.4	956	97.2	176	97.8	1,159	97.2
FEMALE	1	3.6	28	2.8	4	2.2	33	2.8
UNKNOWN	0	-	11	-	43	-	54	-
TOTAL	28	100.0	995	100.0	223	100.0	1,246	100.0

TABLE 3.6.12

DRIVERS OF MOTORCYCLES INVOLVED IN 1993 MISSOURI ACCIDENTS

AGE OF DRIVER BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AVERAGE AGE OF DRIVER	30.3	-	30.7	-	30.3	-	30.7	-
15 YEARS AND UNDER	0	0.0	11	1.1	3	1.6	14	1.2
16 - 20 YEARS	6	21.4	191	19.7	32	17.0	229	19.3
21 - 25 YEARS	4	14.3	212	21.9	42	22.3	258	21.8
26 - 30 YEARS	8	28.6	118	12.2	31	16.5	157	13.2
31 - 35 YEARS	5	17.9	159	16.4	25	13.3	189	15.9
36 - 40 YEARS	1	3.6	96	9.9	20	10.6	117	9.9
41 - 45 YEARS	2	7.1	73	7.5	14	7.5	89	7.5
46 - 50 YEARS	0	0.0	38	3.9	10	5.3	48	4.1
51 - 55 YEARS	1	3.6	29	3.0	7	3.7	37	3.1
56 - 60 YEARS	0	0.0	22	2.3	2	1.1	24	2.0
61 - 65 YEARS	0	0.0	11	1.1	0	0.0	11	0.9
66 YEARS AND OVER	1	3.6	10	1.0	2	1.1	13	1.1
UNKNOWN	0	-	25	-	35	-	60	-
TOTAL	28	100.0	995	100.0	223	100.0	1,246	100.0

TABLE 3.6.13

DRIVERS OF MOTORCYCLES INVOLVED IN 1993 MISSOURI ACCIDENTS

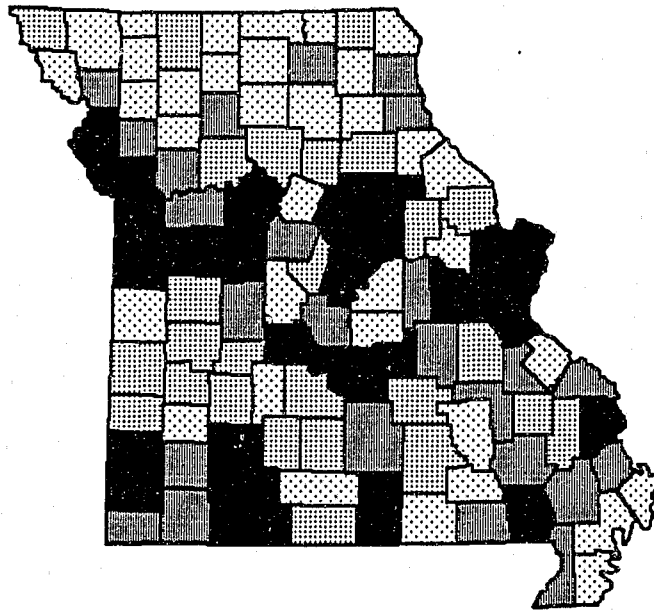
TYPE OF HELMET USAGE BY PERSONAL INJURY SEVERITY

	KILLED	DISABLING	EVIDENT	PROBABLE	NONE	UNKNOWN	TOTAL
HELMET USED	15	248	404	93	171	4	935
<i>ROW %</i>	<i>1.6</i>	<i>26.6</i>	<i>43.4</i>	<i>10.0</i>	<i>18.4</i>	-	<i>100.0</i>
HELMET NOT USED	8	18	19	2	3	1	51
<i>ROW %</i>	<i>16.0</i>	<i>36.0</i>	<i>38.0</i>	<i>4.0</i>	<i>6.0</i>	-	<i>100.0</i>
HELMET USE UNKNOWN	3	35	101	22	65	34	260
<i>ROW %</i>	<i>1.3</i>	<i>15.5</i>	<i>44.7</i>	<i>9.7</i>	<i>28.8</i>	-	<i>100.0</i>
TOTAL	26	301	524	117	239	39	1,246
<i>ROW %</i>	<i>2.2</i>	<i>24.9</i>	<i>43.4</i>	<i>9.7</i>	<i>19.8</i>	-	<i>100.0</i>

TABLE 3.6.14

1993 MOTORCYCLE INVOLVED ACCIDENTS

COUNTY QUARTILE ANALYSIS



LEGEND:¹



¹ LEGEND CATEGORIES ARE BASED ON QUARTILES OF COUNTIES.

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
1.0	JACKSON	225	17.8	19.0	HOWELL	12	1.0
2.0	ST. LOUIS	157	12.4	20.5	PETTIS	11	0.9
3.0	ST. LOUIS CITY	112	8.9	20.5	STONE	11	0.9
4.0	GREENE	72	5.7	23.0	CALLAWAY	9	0.7
5.5	CLAY	44	3.5	23.0	CAMDEN	9	0.7
5.5	ST. CHARLES	44	3.5	23.0	JOHNSON	9	0.7
7.0	BOONE	41	3.2	26.0	AUDRAIN	8	0.6
8.0	JEFFERSON	35	2.8	26.0	PULASKI	8	0.6
9.5	FRANKLIN	31	2.5	26.0	SALINE	8	0.6
9.5	JASPER	31	2.5	28.5	CASS	7	0.6
11.0	COLE	30	2.4	28.5	CHRISTIAN	7	0.6
12.0	BUCHANAN	27	2.1				
13.5	CAPE GIRARDEAU	25	2.0				
13.5	PLATTE	25	2.0				
15.0	TANEY	21	1.7				
16.0	BUTLER	16	1.3	30.5	LIVINGSTON	6	0.5
17.0	NEWTON	15	1.2	30.5	MARION	6	0.5
18.0	PHELPS	13	1.0	36.0	IRON	5	0.4
				36.0	LAFAYETTE	5	0.4

First Quartile

Second Quartile

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
36.0	LAWRENCE	5	0.4	74.0	MADISON	2	0.2
36.0	MC DONALD	5	0.4	74.0	MONITEAU	2	0.2
36.0	ST. FRANCOIS	5	0.4	74.0	MONROE	2	0.2
36.0	SCOTT	5	0.4	74.0	MONTGOMERY	2	0.2
36.0	STODDARD	5	0.4	74.0	WASHINGTON	2	0.2
36.0	TEXAS	5	0.4	74.0	WEBSTER	2	0.2
36.0	WAYNE	5	0.4				
47.5	ADAIR	4	0.3				
47.5	ANDREW	4	0.3				
47.5	BARRY	4	0.3				
47.5	BENTON	4	0.3				
47.5	CLINTON	4	0.3				
47.5	COOPER	4	0.3				
47.5	CRAWFORD	4	0.3				
47.5	DUNKLIN	4	0.3				
47.5	GASCONADE	4	0.3				
47.5	LEWIS	4	0.3				
47.5	MILLER	4	0.3				
47.5	PERRY	4	0.3				
47.5	RAY	4	0.3				
47.5	RIPLEY	4	0.3				
			Second Quartile				
			Third Quartile				
61.0	CEDAR	3	0.2	91.0	BATES	1	0.1
61.0	DENT	3	0.2	91.0	CALDWELL	1	0.1
61.0	HARRISON	3	0.2	91.0	CARTER	1	0.1
61.0	LACLEDE	3	0.2	91.0	DADE	1	0.1
61.0	LINCOLN	3	0.2	91.0	DALLAS	1	0.1
61.0	OZARK	3	0.2	91.0	GENTRY	1	0.1
61.0	POLK	3	0.2	91.0	GRUNDY	1	0.1
61.0	RANDOLPH	3	0.2	91.0	HOWARD	1	0.1
61.0	ST. CLAIR	3	0.2	91.0	LINN	1	0.1
61.0	SCOTLAND	3	0.2	91.0	MACON	1	0.1
61.0	SHANNON	3	0.2	91.0	MARIES	1	0.1
61.0	VERNON	3	0.2	91.0	MORGAN	1	0.1
61.0	WRIGHT	3	0.2	91.0	NEW MADRID	1	0.1
74.0	ATCHISON	2	0.2	91.0	NODAWAY	1	0.1
74.0	BARTON	2	0.2	91.0	OREGON	1	0.1
74.0	BOLLINGER	2	0.2	91.0	OSAGE	1	0.1
74.0	CARROLL	2	0.2	91.0	PEMISCOTT	1	0.1
74.0	CHARITON	2	0.2	91.0	PIKE	1	0.1
74.0	HENRY	2	0.2	91.0	RALLS	1	0.1
74.0	HICKORY	2	0.2	91.0	REYNOLDS	1	0.1
				91.0	STE. GENEVIEVE	1	0.1
				108.5	CLARK	0	0.0
				108.5	DAVISS	0	0.0
				108.5	DE KALB	0	0.0
				108.5	DOUGLAS	0	0.0
				108.5	HOLT	0	0.0
				108.5	KNOX	0	0.0
				108.5	MERCER	0	0.0
				108.5	MISSISSIPPI	0	0.0
				108.5	PUTNAM	0	0.0
				108.5	SCHUYLER	0	0.0
				108.5	SHELBY	0	0.0
				108.5	SULLIVAN	0	0.0
				108.5	WARREN	0	0.0
				108.5	WORTH	0	0.0

TABLE 3.6.15

1993 MOTORCYCLE INVOLVED ACCIDENTS

CITY LISTING

RANK	CITY	FREQUENCY	PERCENT ¹
1.0	KANSAS CITY	174	20.4
2.0	ST. LOUIS	112	13.2
3.0	SPRINGFIELD	53	6.2
4.0	INDEPENDENCE	35	4.1
5.0	COLUMBIA	33	3.9
6.0	ST. JOSEPH	26	3.1
7.0	JEFFERSON CITY	22	2.6
8.0	JOPLIN	18	2.1
9.0	CAPE GIRARDEAU	17	2.0
10.0	ST. CHARLES	15	1.8
11.0	LEE'S SUMMIT	14	1.6
12.0	BLUE SPRINGS	13	1.5
13.0	BRANSON	12	1.4
14.0	SEDALIA	10	1.2
15.0	O'FALLON	9	1.1
16.0	POPLAR BLUFF	8	0.9
18.5	FLORISSANT	7	0.8
18.5	HAZELWOOD	7	0.8
18.5	MARYLAND HEIGHTS	7	0.8
18.5	ST. PETERS	7	0.8
22.5	ARNOLD	6	0.7
22.5	GLADSTONE	6	0.7
22.5	RAYTOWN	6	0.7
22.5	SUNSET HILLS	6	0.7
28.5	BRIDGETON	5	0.6
28.5	HANNIBAL	5	0.6
28.5	KIRKWOOD	5	0.6
28.5	LIBERTY	5	0.6
28.5	MEXICO	5	0.6
28.5	NEOSHO	5	0.6
28.5	WASHINGTON	5	0.6
28.5	WEST PLAINS	5	0.6
35.5	DES PERES	4	0.5
35.5	EXCELSIOR SPRINGS	4	0.5
35.5	JACKSON	4	0.5
35.5	SULLIVAN	4	0.5
35.5	TOWN AND COUNTRY	4	0.5
35.5	WARRENSBURG	4	0.5

¹Percentage is based on motorcycle involved accidents which occurred in Missouri municipalities with populations of 1,000 or more. Only those municipalities comprising 0.5% or more of these accidents are listed.

TABLE 3.6.16

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

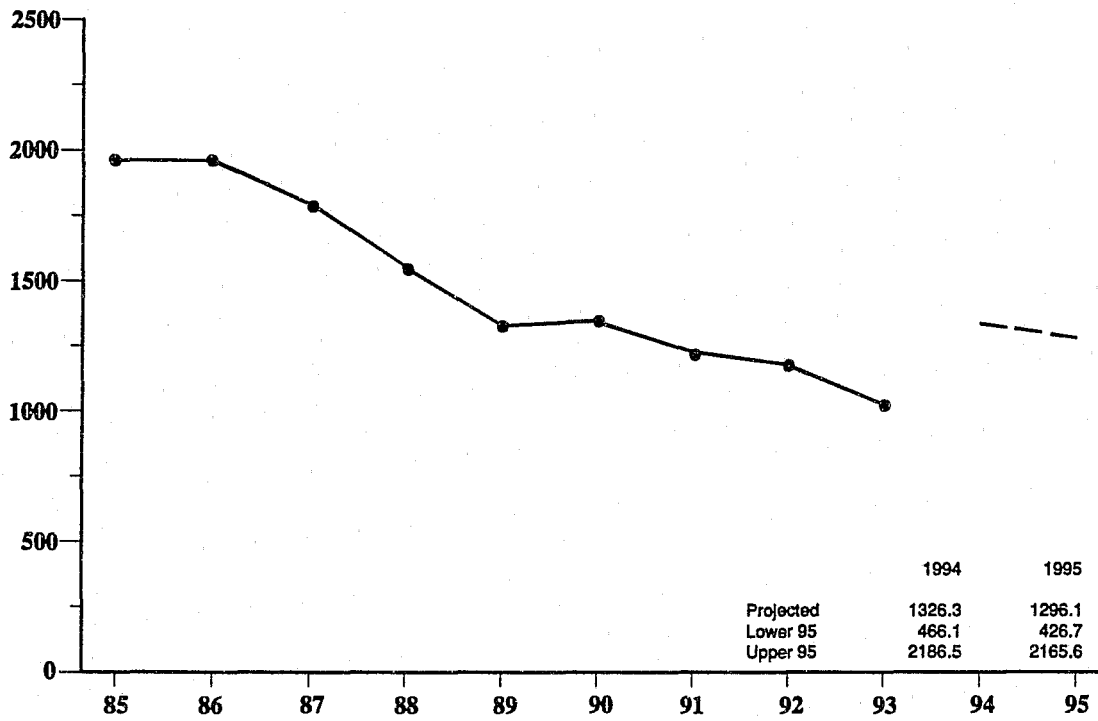


FIGURE 3.6.4

3.7 SCHOOL BUS INVOLVEMENT

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

1993 SUMMARY ANALYSIS

- Of all 1993 Missouri traffic accidents, 0.9% involved a school bus. Of all fatal traffic accidents, 0.6% involved a school bus. A total of 5 persons were killed and 784 were injured in school bus accidents.
- In 1993, one person was killed or injured in a school bus accident every 11.1 hours in the State of Missouri.
- In 91.4% of the school bus traffic accidents, one or more school buses were directly involved in the incident. In 8.6% of the cases, a school bus signal was associated with the accident.
- Of all 1993 school bus accidents, the first harmful event in 76.4% of the cases involved one motor vehicle in transport striking another motor vehicle in transport. In 16.3% of the cases one motor vehicle in transport struck a parked vehicle. Of the five fatal school bus traffic accidents, three involved a pedestrian being struck in the first harmful event.
- Of all 1993 school bus traffic accidents, 74.8% occurred in urban areas of the State and 25.2% occurred in rural areas.
- Of all 1993 school bus traffic accidents, 62.7% occurred on a city street, 10.5% occurred on a county road, and 9.4% occurred on a state numbered road.
- Of all school bus drivers involved in traffic accidents, 52.9% were male and 47.1% were female. The average age of school bus drivers was 40.1 years.

1993 MISSOURI TRAFFIC ACCIDENTS

SCHOOL BUS INVOLVEMENT

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	TOTAL NUMBER ¹		SCHOOL BUS DRIVERS/PASSENGERS ²	
									KILLED	INJURED	KILLED	INJURED
SCHOOL BUS INVOLVED	5	0.6	333	0.7	1,238	1.0	1,576	0.9	5	784	0	475
NO SCHOOL BUS INVOLVED	831	99.4	47,955	99.3	120,189	99.0	168,975	99.1	937	75,654	-	-
UNKNOWN ³	7	-	750	-	6,488	-	7,245	-	7	1,079	-	-
TOTAL	843	100.0	49,038	100.0	127,915	100.0	177,796	100.0	949	77,517	0	475

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

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

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

TABLE 3.7.1

DIRECT SCHOOL BUS INVOLVEMENT IN 1993 MISSOURI SCHOOL BUS ACCIDENTS

STATUS BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
NONE INVOLVED ¹	0	0.0	41	12.3	94	7.6	135	8.6
1 INVOLVED	5	100.0	280	84.1	1,110	89.7	1,395	88.5
2 INVOLVED	0	0.0	12	3.6	34	2.8	46	2.9
TOTAL	5	100.0	333	100.0	1,238	100.0	1,576	100.0

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

TABLE 3.7.2

1993 SCHOOL BUS INVOLVED ACCIDENTS

ACCIDENT TYPE BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
ANIMAL	0	0.0	0	0.0	6	0.5	6	0.4
BICYCLIST	0	0.0	3	0.9	0	0.0	3	0.2
FIXED OBJECT	0	0.0	16	4.8	42	3.4	58	3.7
OTHER OBJECT	0	0.0	0	0.0	1	0.1	1	0.1
PEDESTRIAN	3	60.0	13	3.9	1	0.1	17	1.1
TRAIN	0	0.0	0	0.0	0	0.0	0	0.0
VEHICLE IN TRANSPORT	2	40.0	275	82.6	927	74.9	1,204	76.4
VEHICLE ON OTHER ROADWAY	0	0.0	1	0.3	5	0.4	6	0.4
PARKED VEHICLE	0	0.0	9	2.7	248	20.0	257	16.3
NON-COLLISION OVERTURN	0	0.0	4	1.2	3	0.2	7	0.4
NON-COLLISION OTHER	0	0.0	12	3.6	5	0.4	17	1.1
TOTAL	5	100.0	333	100.0	1,238	100.0	1,576	100.0

TABLE 3.7.3

1993 SCHOOL BUS INVOLVED ACCIDENTS

AREA CLASSIFICATION BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
URBAN	2	40.0	231	69.4	945	76.3	1,178	74.8
RURAL	3	60.0	102	30.6	293	23.7	398	25.2
TOTAL	5	100.0	333	100.0	1,238	100.0	1,576	100.0

TABLE 3.7.4

1993 SCHOOL BUS INVOLVED ACCIDENTS

ROAD CURVATURE BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
STRAIGHT	5	100.0	298	90.9	1,021	90.1	1,324	90.3
CURVE	0	0.0	30	9.1	112	9.9	142	9.7
UNKNOWN	0	-	5	-	105	-	110	-
TOTAL	5	100.0	333	100.0	1,238	100.0	1,576	100.0

TABLE 3.7.5

1993 SCHOOL BUS INVOLVED ACCIDENTS

ROAD INCLINE BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
LEVEL	3	60.0	227	69.4	846	75.0	1,076	73.7
HILL	2	40.0	92	28.1	262	23.2	356	24.4
CREST	0	0.0	8	2.5	20	1.8	28	1.9
UNKNOWN	0	-	6	-	110	-	116	-
TOTAL	5	100.0	333	100.0	1,238	100.0	1,576	100.0

TABLE 3.7.6

**1993 SCHOOL BUS INVOLVED ACCIDENTS
ROAD CONDITIONS BY ACCIDENT SEVERITY**

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRY	3	60.0	209	63.3	834	67.9	1,046	66.9
WET	2	40.0	103	31.2	286	23.3	391	25.0
SNOW	0	0.0	5	1.5	49	4.0	54	3.5
ICE	0	0.0	13	3.9	57	4.6	70	4.5
MUD	0	0.0	0	0.0	2	0.2	2	0.1
UNKNOWN	0	-	3	-	10	-	13	-
TOTAL	5	100.0	333	100.0	1,238	100.0	1,576	100.0

TABLE 3.7.7

**1993 SCHOOL BUS INVOLVED ACCIDENTS
HIGHWAY CLASSIFICATION BY ACCIDENT SEVERITY**

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	1	20.0	21	6.3	45	3.6	67	4.3
U.S. HIGHWAY	0	0.0	16	4.8	61	4.9	77	4.9
STATE NUMBERED	2	40.0	41	12.3	105	8.5	148	9.4
SINGLE STATE LETTERED	1	20.0	17	5.1	40	3.2	58	3.7
DOUBLE STATE LETTERED	0	0.0	11	3.3	16	1.3	27	1.7
OUTER ROAD	0	0.0	2	0.6	7	0.6	9	0.6
COUNTY ROAD	0	0.0	31	9.3	135	10.9	166	10.5
CITY STREET	1	20.0	187	56.2	800	64.6	988	62.7
INTERSTATE LOOP	0	0.0	4	1.2	8	0.7	12	0.8
OTHER ¹	0	0.0	3	0.9	21	1.7	24	1.5
TOTAL	5	100.0	333	100.0	1,238	100.0	1,576	100.0

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

TABLE 3.7.8

1993 SCHOOL BUS INVOLVED ACCIDENTS

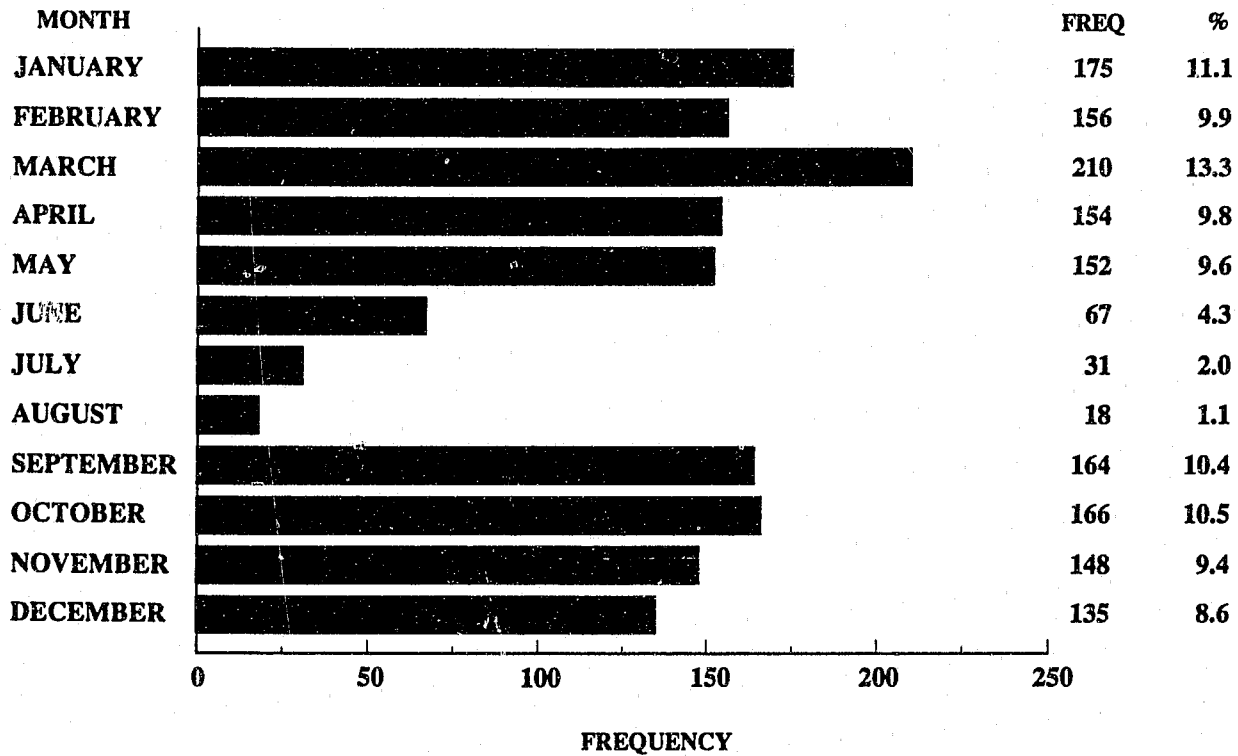
HIGHWAY CLASSIFICATION BY AREA CLASSIFICATION AND ACCIDENT SEVERITY

	URBAN								RURAL							
	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	1	50.0	17	7.4	29	3.1	47	4.0	0	0.0	4	3.9	16	5.5	20	5.0
U.S. HIGHWAY	0	0.0	6	2.6	37	3.9	43	3.7	0	0.0	10	9.8	24	8.2	34	8.5
STATE NUMBERED	0	0.0	10	4.3	47	5.0	57	4.8	2	66.7	31	30.4	58	19.8	91	22.9
SINGLE STATE LETTERED	0	0.0	3	1.3	8	0.9	11	0.9	1	33.3	14	13.7	32	10.9	47	11.8
DOUBLE STATE LETTERED	0	0.0	6	2.6	6	0.6	12	1.0	0	0.0	5	4.9	10	3.4	15	3.8
OUTER ROAD	0	0.0	1	0.4	6	0.6	7	0.6	0	0.0	1	1.0	1	0.3	2	0.5
COUNTY ROAD	0	0.0	6	2.6	24	2.5	30	2.6	0	0.0	25	24.5	111	37.9	136	34.2
CITY STREET	1	50.0	176	76.2	770	81.5	947	80.4	0	0.0	11	10.8	30	10.2	41	10.3
INTERSTATE LOOP	0	0.0	4	1.7	4	0.4	8	0.7	0	0.0	0	0.0	4	1.4	4	1.0
OTHER ¹	0	0.0	2	0.9	14	1.5	16	1.4	0	0.0	1	1.0	7	2.4	8	2.0
TOTAL	2	100.0	231	100.0	945	100.0	1,178	100.0	3	100.0	102	100.0	293	100.0	398	100.0

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

TABLE 3.7.9

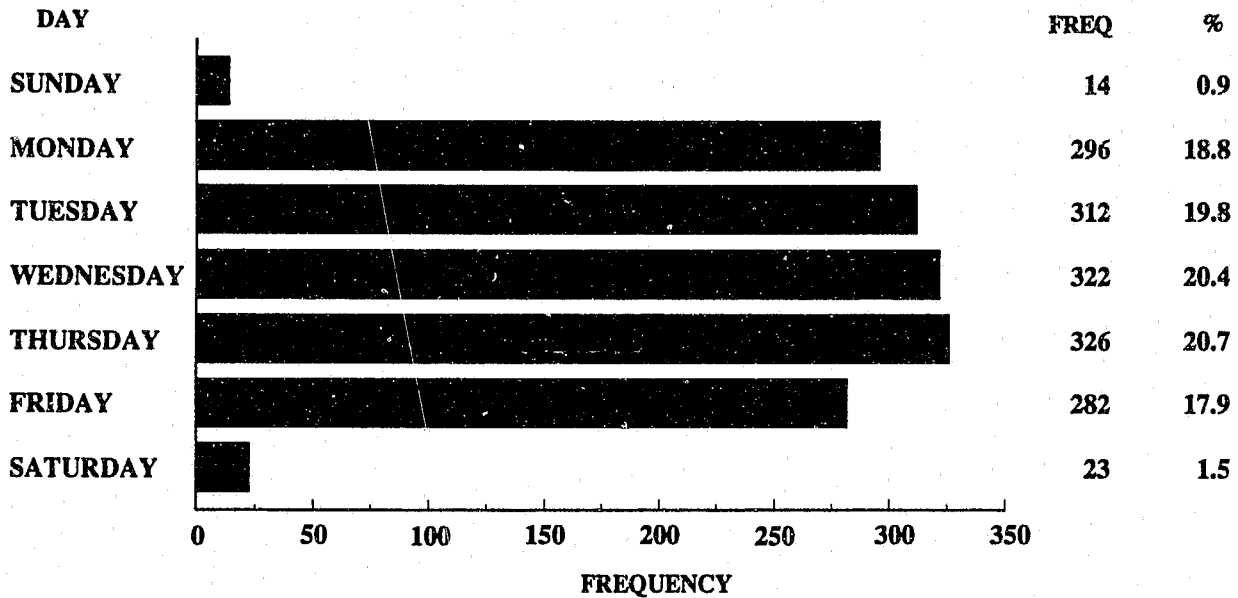
**1993 MISSOURI SCHOOL BUS INVOLVED ACCIDENTS
MONTH OF YEAR**



UNKNOWN DATA NOT INCLUDED

FIGURE 3.7.1

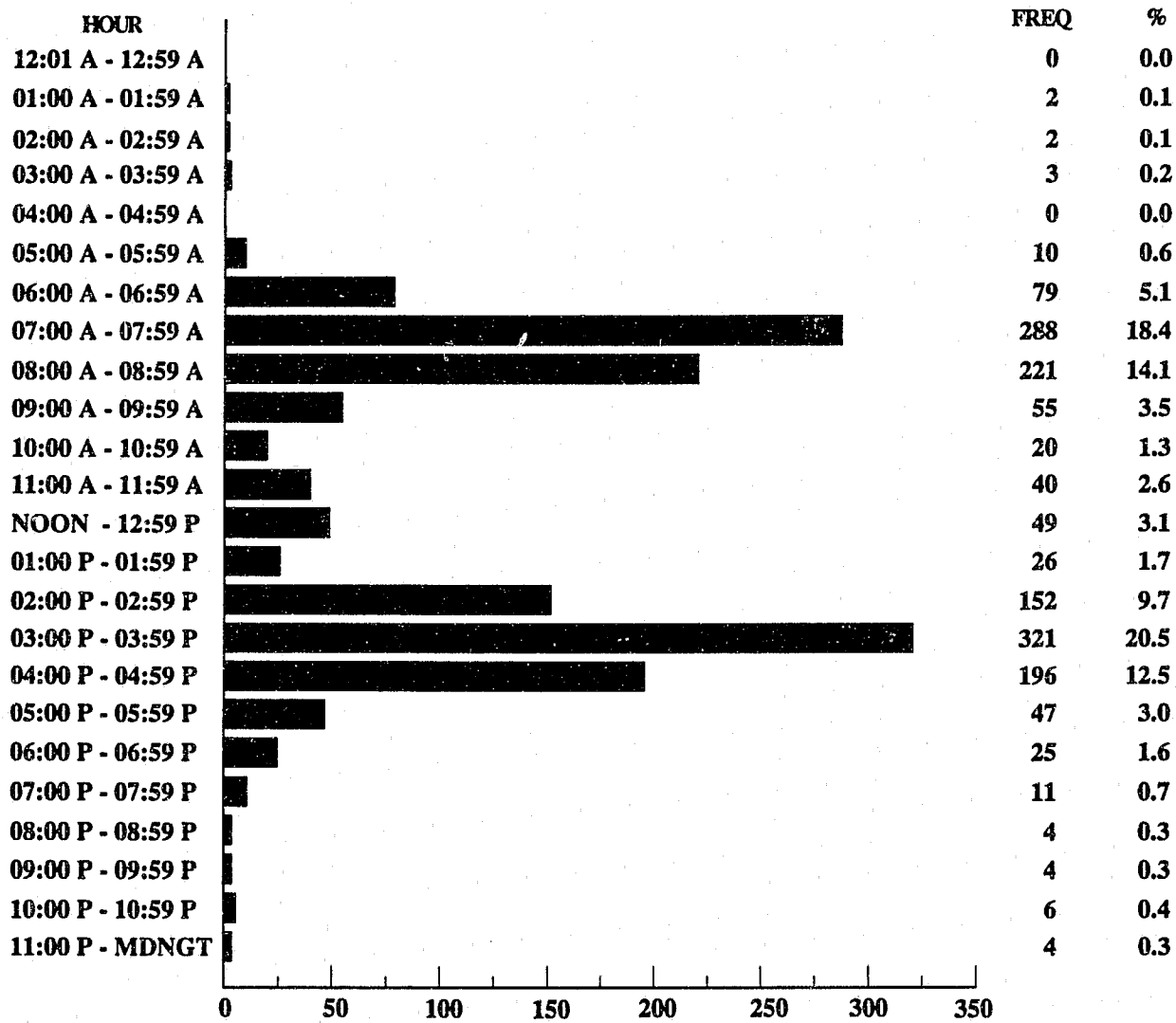
**1993 MISSOURI SCHOOL BUS INVOLVED ACCIDENTS
DAY OF WEEK**



UNKNOWN DATA NOT INCLUDED

FIGURE 3.7.2

**1993 MISSOURI SCHOOL BUS INVOLVED ACCIDENTS
HOUR OF DAY**



FREQUENCY

UNKNOWN DATA NOT INCLUDED

FIGURE 3.7.3

1993 MISSOURI SCHOOL BUS ACCIDENTS

TYPE OF CIRCUMSTANCE INVOLVED BY ACCIDENT SEVERITY AND PERSON CLASSIFICATION¹

FATAL SCHOOL BUS ACCIDENTS = 5				TOTAL SCHOOL BUS ACCIDENTS = 1,576		
	SCHOOL BUS DRIVER/VEH.	OTHER DRIVER/ VEHICLE/PED.	TOTAL FATAL	SCHOOL BUS DRIVER/VEH.	OTHER DRIVER/ VEHICLE/PED.	TOTAL ACCIDENTS
EXCEEDING SPEED LIMIT / TOO FAST FOR CONDITIONS	0.0	20.0	20.0	3.6	10.0	13.3
IMPROPER PASSING	0.0	0.0	0.0	0.8	1.7	2.3
VIOLATION OF STOP SIGN	0.0	0.0	0.0	0.9	3.0	3.8
WRONG SIDE NOT PASSING	0.0	0.0	0.0	0.5	1.1	1.5
FOLLOWING TOO CLOSE	0.0	0.0	0.0	1.1	6.7	7.7
IMPROPER SIGNAL	0.0	0.0	0.0	0.2	0.0	0.2
IMPROPER BACKING	0.0	0.0	0.0	2.0	0.6	2.6
IMPROPER TURN	0.0	0.0	0.0	3.9	1.6	5.5
IMPROPER LANE USAGE / CHANGE	0.0	0.0	0.0	1.7	1.6	3.1
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	0.3	0.0	0.3
IMPROPERLY PARKED	0.0	20.0	20.0	0.4	1.9	2.3
VEHICLE DEFECTS	0.0	20.0	20.0	0.4	1.5	2.0
FAILED TO YIELD	0.0	40.0	40.0	4.5	5.7	10.0
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	0.2	0.8	1.0
INATTENTION	20.0	80.0	100.0	29.0	34.4	59.3

¹This table identifies the percentage of school bus accidents having a specific type of circumstance which contributed to the cause of the accident. This table further defines the percentage of accidents 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 accident. For instance, when examining speed involvement in 1993 Missouri school bus accidents, it was found that a school bus driver was speeding in 3.6% of the accidents. In 10.0% of the accidents another driver was speeding. In 13.3% of the accidents either a school bus driver, another driver, or both drivers were speeding.

TABLE 3.7.10

SCHOOL BUSES INVOLVED IN 1993 MISSOURI ACCIDENTS

DRIVER INVOLVEMENT BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRIVERLESS	0	0.0	8	2.6	52	4.4	60	4.0
KNOWN DRIVER INVOLVED	5	100.0	295	97.0	1,087	92.3	1,387	93.3
UNKNOWN DRIVER INVOLVED	0	0.0	1	0.3	39	3.3	40	2.7
TOTAL	5	100.0	304	100.0	1,178	100.0	1,487	100.0

TABLE 3.7.11

DRIVERS OF SCHOOL BUSES INVOLVED IN 1993 MISSOURI ACCIDENTS

SEX OF DRIVER BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MALE	3	60.0	151	51.2	569	53.4	723	52.9
FEMALE	2	40.0	144	48.8	497	46.6	643	47.1
UNKNOWN	0	-	1	-	60	-	61	-
TOTAL	5	100.0	296	100.0	1,126	100.0	1,427	100.0

TABLE 3.7.12

DRIVERS OF SCHOOL BUSES INVOLVED IN 1993 MISSOURI ACCIDENTS

AGE OF DRIVER BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AVERAGE AGE OF DRIVER	38.6	-	40.0	-	40.1	-	40.1	-
15 YEARS AND UNDER	0	0.0	0	0.0	0	0.0	0	0.0
16 - 20 YEARS	0	0.0	1	0.3	3	0.3	4	0.3
21 - 25 YEARS	1	20.0	29	9.9	129	12.2	159	11.7
26 - 30 YEARS	0	0.0	50	17.1	189	17.9	239	17.7
31 - 35 YEARS	2	40.0	41	14.0	147	13.9	190	14.0
36 - 40 YEARS	0	0.0	39	13.4	127	12.0	166	12.3
41 - 45 YEARS	0	0.0	43	14.7	119	11.3	162	12.0
46 - 50 YEARS	1	20.0	19	6.5	98	9.3	118	8.7
51 - 55 YEARS	0	0.0	31	10.6	77	7.3	108	8.0
56 - 60 YEARS	1	20.0	18	6.2	71	6.7	90	6.7
61 - 65 YEARS	0	0.0	12	4.1	51	4.8	63	4.7
66 YEARS AND OVER	0	0.0	9	3.1	46	4.4	55	4.1
UNKNOWN	0	-	4	-	69	-	73	-
TOTAL	5	100.0	296	100.0	1,126	100.0	1,427	100.0

TABLE 3.7.13

DRIVERS OF SCHOOL BUSES INVOLVED IN 1993 MISSOURI ACCIDENTS

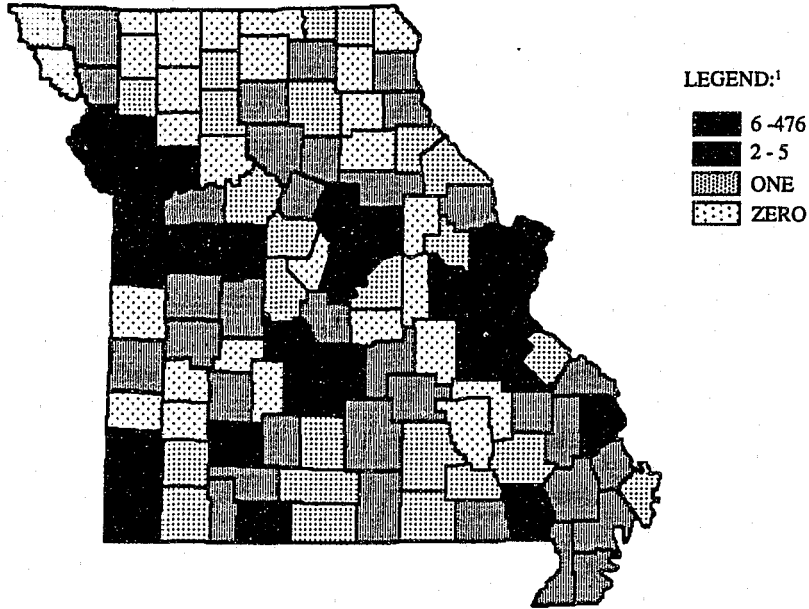
DRIVER'S LICENSE STATE AND TYPE BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MISSOURI								
LEARNER'S PERMIT	0	0.0	0	0.0	1	0.1	1	0.1
FOR HIRE	0	0.0	11	4.0	58	5.8	69	5.4
OPERATOR'S LICENSE	0	0.0	38	13.7	131	13.2	169	13.2
MOTORCYCLE ONLY	0	0.0	1	0.4	1	0.1	2	0.2
COMMERCIAL DRIVER'S LICENSE	5	100.0	217	78.3	766	77.1	988	77.4
SUB-TOTAL	5	100.0	267	96.4	957	96.3	1,229	96.3
OUT STATE								
LEARNER'S PERMIT	0	0.0	0	0.0	0	0.0	0	0.0
FOR HIRE	0	0.0	2	0.7	3	0.3	5	0.4
OPERATOR'S LICENSE	0	0.0	3	1.1	11	1.1	14	1.1
MOTORCYCLE ONLY	0	0.0	0	0.0	0	0.0	0	0.0
COMMERCIAL DRIVER'S LICENSE	0	0.0	5	1.8	21	2.1	26	2.0
SUB-TOTAL	0	0.0	10	3.6	35	3.5	45	3.5
UNLICENSED	0	0.0	0	0.0	2	0.2	2	0.2
UNKNOWN	0	-	19	-	132	-	151	-
TOTAL	5	100.0	296	100.0	1,126	100.0	1,427	100.0

TABLE 3.7.14

1993 SCHOOL BUS INVOLVED ACCIDENTS

COUNTY QUARTILE ANALYSIS



LEGEND CATEGORIES ARE BASED ON QUARTILES OF COUNTIES.

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
1.0	JACKSON	476	30.2	19.0	LACLEDE	8	0.5
2.0	ST. LOUIS CITY	397	25.2	21.0	PETTIS	7	0.4
3.0	ST. LOUIS	245	15.5	21.0	PULASKI	7	0.4
4.0	JEFFERSON	40	2.5	21.0	WASHINGTON	7	0.4
5.0	GREENE	39	2.5	26.0	CAMDEN	6	0.4
6.0	ST. CHARLES	29	1.8	26.0	CLINTON	6	0.4
7.0	CLAY	28	1.8	26.0	JOHNSON	6	0.4
8.0	BUCHANAN	22	1.4	26.0	MC DONALD	6	0.4
9.0	BOONE	19	1.2	26.0	NEWTON	6	0.4
10.0	CASS	12	0.8	26.0	RAY	6	0.4
11.5	COLE	11	0.7	26.0	TANEY	6	0.4
11.5	FRANKLIN	11	0.7				
14.0	CALLAWAY	10	0.6				First Quartile
14.0	JASPER	10	0.6				
14.0	PLATTE	10	0.6				Second Quartile
17.0	BUTLER	9	0.6	30.0	STONE	5	0.3
17.0	CAPE GIRARDEAU	9	0.6	33.0	CHRISTIAN	4	0.3
17.0	ST. FRANCOIS	9	0.6	33.0	HOWELL	4	0.3
				33.0	LEWIS	4	0.3

1993 SCHOOL BUS INVOLVED ACCIDENTS

CITY LISTING

RANK	CITY	FREQUENCY	PERCENT ¹
1.0	KANSAS CITY	421	33.3
2.0	ST. LOUIS	397	31.4
3.0	INDEPENDENCE	29	2.3
4.0	SPRINGFIELD	26	2.1
5.0	ST. JOSEPH	19	1.5
6.0	CHESTERFIELD	18	1.4
7.0	COLUMBIA	15	1.2
8.0	BLUE SPRINGS	13	1.0
9.5	TOWN AND COUNTRY	11	0.9
9.5	WEBSTER GROVES	11	0.9
11.0	FLORISSANT	9	0.7
12.0	ST. CHARLES	8	0.6
14.0	KIRKWOOD	7	0.6
14.0	LEBANON	7	0.6
14.0	MARYLAND HEIGHTS	7	0.6
17.5	GRANDVIEW	6	0.5
17.5	LADUE	6	0.5
17.5	LIBERTY	6	0.5
17.5	ST. PETERS	6	0.5

¹Percentage is based on school bus involved accidents which occurred in Missouri municipalities with populations of 1,000 or more. Only those municipalities comprising 0.5% or more of these accidents are listed.

TABLE 3.7.16

3.8 BICYCLE INVOLVEMENT

This section presents a series of data displays which identify bicycle involvement in Missouri's traffic accident experience. Bicycle involved traffic accidents are defined as any accident 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 accident.

1993 SUMMARY ANALYSIS

- Of all 1993 Missouri traffic accidents, 0.6% involved a bicycle. Of all fatal traffic accidents, 1.0% involved a bicycle. A total of 8 persons were killed and 842 were injured in these traffic accidents.
- There was a decrease of 14.9% in the rate of change when comparing total 1993 bicycle-related traffic accidents with those occurring in 1992. However, there was an increase of 14.3% when comparing fatal 1993 bicycle-related accidents with 1992.
- In 1993, one person was killed or injured in a bicycle traffic accident every 10.3 hours in the State of Missouri.
- Of all 1993 bicycle traffic accidents, 73.2% occurred in an urban area and 26.8% occurred in a rural area of the State.
- Of all 1993 bicycle traffic accidents, 65.6% occurred on a city street.
- Of all 1993 bicycle traffic accidents, 80.1% occurred from April through September.
- Of all bicycle drivers involved in traffic accidents, 82.4% were male and 17.6% were female. The average age of bicycle drivers was 17.3 years.
- Of all other types of vehicles involved in bicycle accidents, 75.1% were automobiles and 13.2% were pick-up trucks.

1993 MISSOURI TRAFFIC ACCIDENTS

BICYCLE INVOLVEMENT

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	TOTAL NUMBER ¹		BICYCLE DRIVERS/PASSENGERS ²	
									KILLED	INJURED	KILLED	INJURED
BICYCLE INVOLVED	8	1.0	811	1.7	126	0.1	945	0.6	8	842	8	829
NO BICYCLE INVOLVED	829	99.0	48,018	98.3	122,868	99.9	171,715	99.4	935	76,396	-	-
UNKNOWN ³	6	-	209	-	4,921	-	5,136	-	6	279	-	-
TOTAL	843	100.0	49,038	100.0	127,915	100.0	177,796	100.0	949	77,517	8	829

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

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

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

TABLE 3.8.1

1992 and 1993 BICYCLE INVOLVED ACCIDENT ANALYSIS

	1992	1993	RATE OF CHANGE
FATAL	7	8	+ 14.3
PERSONAL INJURY	932	811	- 13.0
PROPERTY DAMAGE	172	126	- 26.7
TOTAL	1,111	945	- 14.9

TABLE 3.8.2

1993 BICYCLE INVOLVED ACCIDENTS

AREA CLASSIFICATION BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
URBAN	6	75.0	594	73.2	92	73.0	692	73.2
RURAL	2	25.0	217	26.8	34	27.0	253	26.8
TOTAL	8	100.0	811	100.0	126	100.0	945	100.0

TABLE 3.8.3

1993 BICYCLE INVOLVED ACCIDENTS

ROAD CURVATURE BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
STRAIGHT	7	87.5	767	95.4	110	97.4	884	95.6
CURVE	1	12.5	37	4.6	3	2.7	41	4.4
UNKNOWN	0	-	7	-	13	-	20	-
TOTAL	8	100.0	811	100.0	126	100.0	945	100.0

TABLE 3.8.4

**1993 BICYCLE INVOLVED ACCIDENTS
ROAD INCLINE BY ACCIDENT SEVERITY**

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
LEVEL	4	50.0	594	74.3	93	83.8	691	75.2
HILL	4	50.0	188	23.5	16	14.4	208	22.6
CREST	0	0.0	18	2.3	2	1.8	20	2.2
UNKNOWN	0	-	11	-	15	-	26	-
TOTAL	8	100.0	811	100.0	126	100.0	945	100.0

TABLE 3.8.5

**1993 BICYCLE INVOLVED ACCIDENTS
ROAD CONDITIONS BY ACCIDENT SEVERITY**

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRY	8	100.0	751	92.8	118	95.2	877	93.2
WET	0	0.0	53	6.6	6	4.8	59	6.3
SNOW	0	0.0	2	0.3	0	0.0	2	0.2
ICE	0	0.0	3	0.4	0	0.0	3	0.3
MUD	0	0.0	0	0.0	0	0.0	0	0.0
UNKNOWN	0	-	2	-	2	-	4	-
TOTAL	8	100.0	811	100.0	126	100.0	945	100.0

TABLE 3.8.6

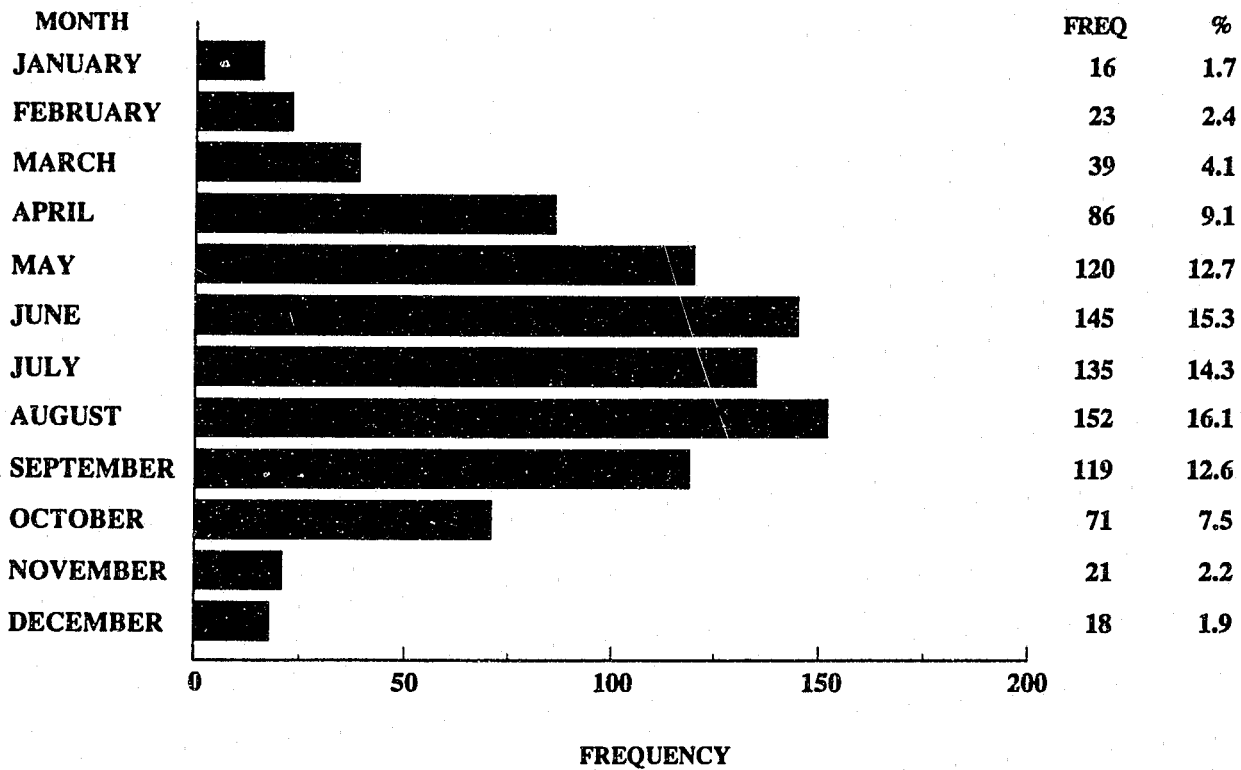
1993 BICYCLE INVOLVED ACCIDENTS
HIGHWAY CLASSIFICATION BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	0	0.0	3	0.4	3	2.4	6	0.6
U.S. HIGHWAY	1	12.5	31	3.8	8	6.4	40	4.2
STATE NUMBERED	1	12.5	80	9.9	9	7.1	90	9.5
SINGLE STATE LETTERED	0	0.0	37	4.6	2	1.6	39	4.1
DOUBLE STATE LETTERED	0	0.0	18	2.2	4	3.2	22	2.3
OUTER ROAD	0	0.0	3	0.4	2	1.6	5	0.5
COUNTY ROAD	1	12.5	89	11.0	11	8.7	101	10.7
CITY STREET	5	62.5	528	65.1	87	69.1	620	65.6
INTERSTATE LOOP	0	0.0	3	0.4	0	0.0	3	0.3
OTHER ¹	0	0.0	19	2.3	0	0.0	19	2.0
TOTAL	8	100.0	811	100.0	126	100.0	945	100.0

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

TABLE 3.8.7

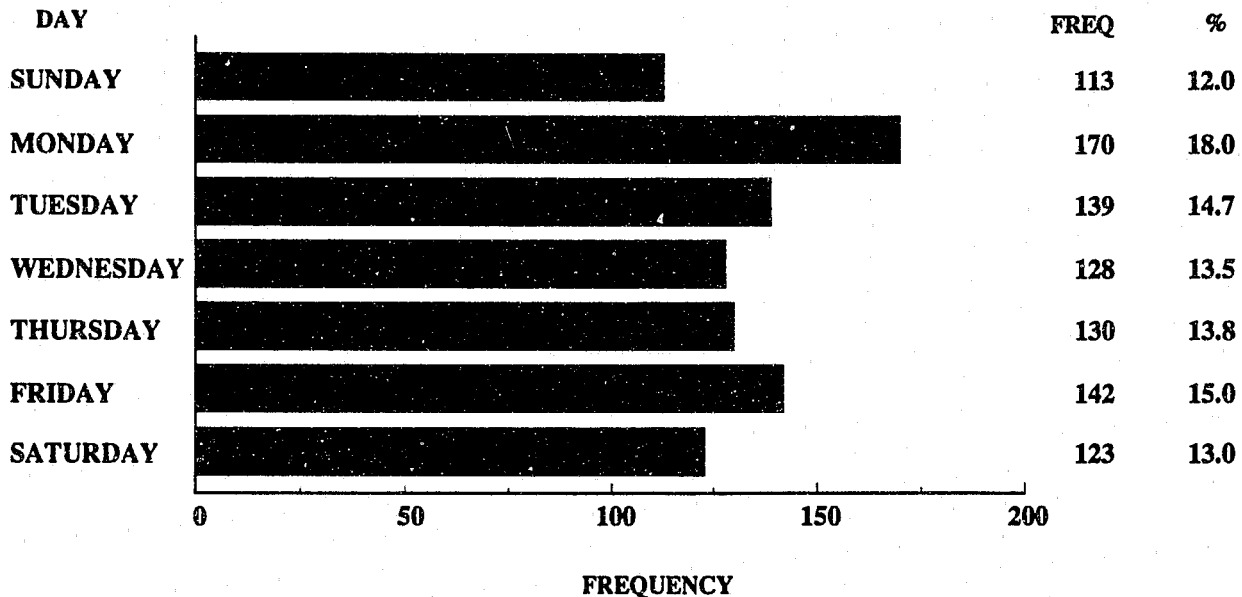
**1993 MISSOURI BICYCLE INVOLVED ACCIDENTS
MONTH OF YEAR**



UNKNOWN DATA NOT INCLUDED

FIGURE 3.8.1

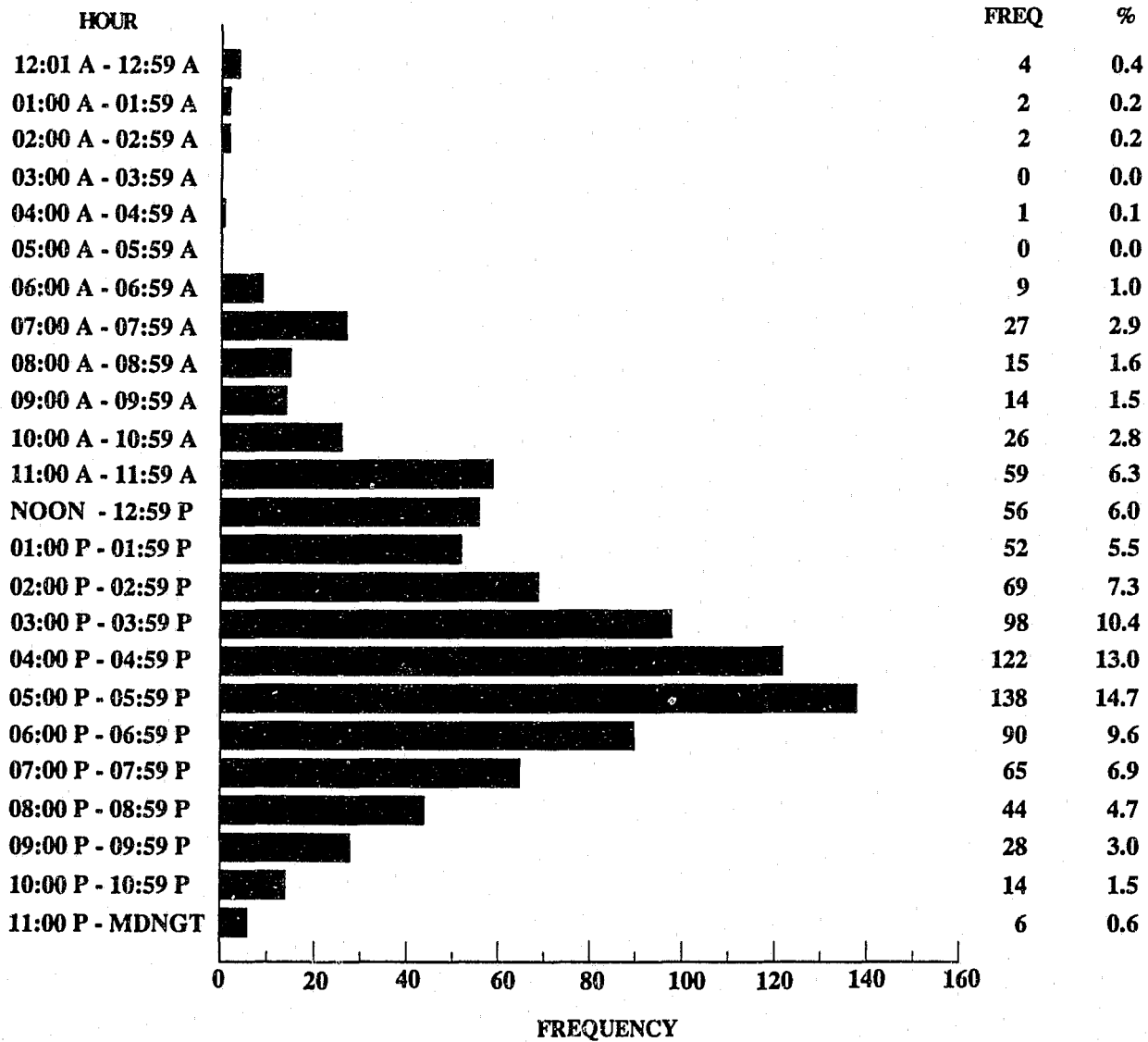
**1993 MISSOURI BICYCLE INVOLVED ACCIDENTS
DAY OF WEEK**



UNKNOWN DATA NOT INCLUDED

FIGURE 3.8.2

1993 MISSOURI BICYCLE INVOLVED ACCIDENTS HOUR OF DAY



UNKNOWN DATA NOT INCLUDED

FIGURE 3.8.3

1993 MISSOURI BICYCLE ACCIDENTS

TYPE OF CIRCUMSTANCE INVOLVED BY ACCIDENT SEVERITY AND PERSON CLASSIFICATION¹

FATAL BICYCLE ACCIDENTS = 8				TOTAL BICYCLE ACCIDENTS = 945		
	BICYCLE DRIVER/VEH.	OTHER DRIVER/ VEHICLE/PED.	TOTAL FATAL	BICYCLE DRIVER/VEH.	OTHER DRIVER/ VEHICLE/PED.	TOTAL ACCIDENTS
EXCEEDING SPEED LIMIT / TOO FAST FOR CONDITIONS	0.0	12.5	12.5	2.5	2.1	4.7
IMPROPER PASSING	0.0	0.0	0.0	0.7	0.7	1.5
VIOLATION OF STOP SIGN	25.0	0.0	25.0	8.9	1.0	9.8
WRONG SIDE NOT PASSING	0.0	12.5	12.5	4.8	0.6	5.3
FOLLOWING TOO CLOSE	0.0	0.0	0.0	0.2	0.7	1.0
IMPROPER SIGNAL	0.0	0.0	0.0	0.3	0.2	0.5
IMPROPER BACKING	0.0	0.0	0.0	0.0	0.3	0.3
IMPROPER TURN	0.0	0.0	0.0	2.3	0.8	3.2
IMPROPER LANE USAGE / CHANGE	0.0	0.0	0.0	3.7	1.0	4.7
WRONG WAY ONE-WAY STREET	0.0	0.0	0.0	1.7	0.0	1.7
IMPROPER START FROM PARK	0.0	0.0	0.0	0.0	0.3	0.3
IMPROPERLY PARKED	0.0	0.0	0.0	0.0	0.0	0.0
VEHICLE DEFECTS	0.0	0.0	0.0	4.4	0.0	4.4
FAILED TO YIELD	12.5	0.0	12.5	21.8	7.4	28.7
DRINKING	0.0	25.0	25.0	1.1	1.2	2.2
DRUGS	0.0	0.0	0.0	0.1	0.0	0.1
PHYSICAL IMPAIRMENT	0.0	0.0	0.0	0.3	0.2	0.5
INATTENTION	62.5	37.5	87.5	51.4	27.1	66.8

¹This table identifies the percentage of bicycle accidents having a specific type of circumstance which contributed to the cause of the accident. This table further defines the percentage of accidents where the contributing circumstance was associated with the bicyclist or his bicycle as well as those attributed to other persons and vehicles in the accident. For instance, when examining driver failure to yield in 1993 Missouri bicycle accidents, it was found that a bicyclist failed to yield in 21.8% of the accidents. In 7.4% of the accidents another driver failed to yield. In 28.7% of the accidents either a bicyclist, another driver, or both drivers failed to yield.

TABLE 3.8.8

BICYCLES INVOLVED IN 1993 MISSOURI ACCIDENTS

DRIVER INVOLVEMENT BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRIVERLESS	0	0.0	0	0.0	1	0.8	1	0.1
KNOWN DRIVER INVOLVED	8	100.0	812	99.6	109	86.5	929	97.9
UNKNOWN DRIVER INVOLVED	0	0.0	3	0.4	16	12.7	19	2.0
TOTAL	8	100.0	815	100.0	126	100.0	949	100.0

TABLE 3.8.9

BICYCLE DRIVERS INVOLVED IN 1993 MISSOURI ACCIDENTS

SEX OF DRIVER BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MALE	8	100.0	665	81.9	92	85.2	765	82.4
FEMALE	0	0.0	147	18.1	16	14.8	163	17.6
UNKNOWN	0	-	3	-	17	-	20	-
TOTAL	8	100.0	815	100.0	125	100.0	948	100.0

TABLE 3.8.10

BICYCLE DRIVERS INVOLVED IN 1993 MISSOURI ACCIDENTS

AGE OF DRIVER BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AVERAGE AGE OF DRIVER	23.1	-	17.0	-	19.0	-	17.3	-
5 YEARS AND UNDER	0	0.0	34	4.3	4	4.0	38	4.2
6 - 10 YEARS	3	37.5	209	26.5	20	20.0	232	25.8
11 - 15 YEARS	2	25.0	283	35.8	29	29.0	314	35.0
16 - 20 YEARS	1	12.5	69	8.7	10	10.0	80	8.9
21 - 25 YEARS	0	0.0	58	7.3	11	11.0	69	7.7
26 - 30 YEARS	0	0.0	39	4.9	13	13.0	52	5.8
31 - 35 YEARS	0	0.0	25	3.2	3	3.0	28	3.1
36 - 40 YEARS	0	0.0	25	3.2	3	3.0	28	3.1
41 - 45 YEARS	0	0.0	23	2.9	4	4.0	27	3.0
46 - 50 YEARS	0	0.0	10	1.3	1	1.0	11	1.2
51 - 55 YEARS	1	12.5	4	0.5	1	1.0	6	0.7
56 - 60 YEARS	0	0.0	3	0.4	0	0.0	3	0.3
61 - 65 YEARS	0	0.0	0	0.0	0	0.0	0	0.0
66 YEARS AND OVER	1	12.5	8	1.0	1	1.0	10	1.1
UNKNOWN	0	-	25	-	25	-	50	-
TOTAL	8	100.0	815	100.0	125	100.0	948	100.0

TABLE 3.8.11

1993 BICYCLE INVOLVED ACCIDENTS¹

OTHER TYPES OF VEHICLES INVOLVED BY ACCIDENT SEVERITY

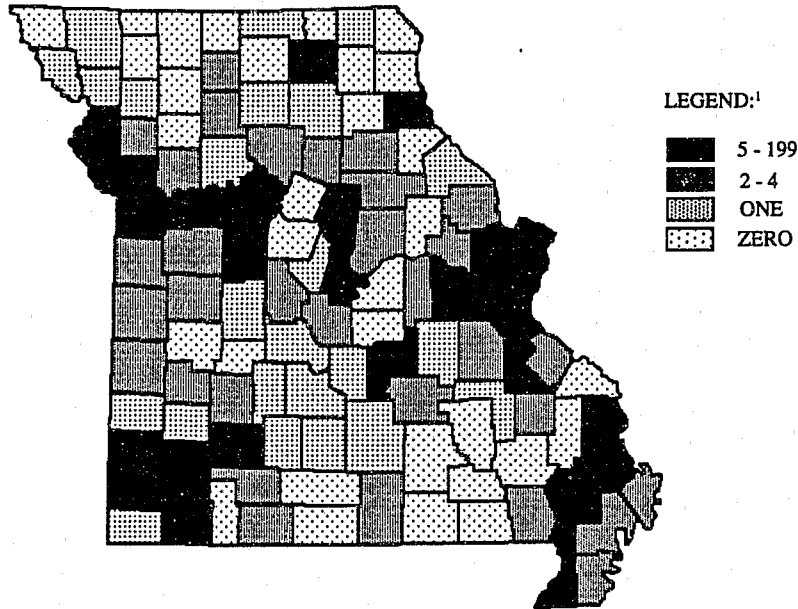
	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AUTOMOBILE	5	71.4	597	73.6	108	84.4	710	75.1
SPORT UTILITY VEHICLE	0	0.0	24	3.0	1	0.8	25	2.6
VAN / SMALL BUS	0	0.0	49	6.0	8	6.3	57	6.0
BUS	0	0.0	3	0.4	0	0.0	3	0.3
SCHOOL BUS	0	0.0	3	0.4	0	0.0	3	0.3
MOTORCYCLE	0	0.0	6	0.7	0	0.0	6	0.6
MOPED	0	0.0	1	0.1	0	0.0	1	0.1
MOTORHOME / 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	1	0.1	0	0.0	1	0.1
OTHER TRANSPORT DEVICE	0	0.0	1	0.1	0	0.0	1	0.1
PICK-UP TRUCK	1	14.3	115	14.2	9	7.0	125	13.2
OTHER TRUCKS	1	14.3	11	1.4	2	1.6	14	1.5
ALL TERRAIN VEHICLE	0	0.0	0	0.0	0	0.0	0	0.0
UNKNOWN	1	-	2	-	0	-	3	-
TOTAL	8	100.0	813	100.0	128	100.0	949	100.0

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

TABLE 3.8.12

1993 BICYCLE INVOLVED ACCIDENTS

COUNTY QUARTILE ANALYSIS



¹LEGEND CATEGORIES ARE BASED ON QUARTILES OF COUNTIES.

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
1.0	ST. LOUIS	199	21.1	18.0	BARRY	8	0.8
2.0	ST. LOUIS CITY	150	15.9	20.0	COLE	7	0.7
3.0	JACKSON	146	15.4	20.0	ST. FRANCOIS	7	0.7
4.0	ST. CHARLES	51	5.4	20.0	SALINE	7	0.7
5.0	GREENE	45	4.8	22.5	PHELPS	6	0.6
6.0	BOONE	35	3.7	22.5	STODDARD	6	0.6
7.0	JASPER	19	2.0	25.5	ADAIR	5	0.5
8.5	CAPE GIRARDEAU	18	1.9	25.5	LAFAYETTE	5	0.5
8.5	CLAY	18	1.9	25.5	NEWTON	5	0.5
10.5	FRANKLIN	13	1.4	25.5	PLATTE	5	0.5
10.5	SCOTT	13	1.4				
13.0	BUCHANAN	11	1.2				
13.0	DUNKLIN	11	1.2				
13.0	JEFFERSON	11	1.2				
15.0	MARION	10	1.1	31.0	AUDRAIN	4	0.4
16.5	LAWRENCE	9	1.0	31.0	CHARITON	4	0.4
16.5	PETTIS	9	1.0	31.0	DENT	4	0.4
				31.0	HOWELL	4	0.4

First Quartile

Second Quartile

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
31.0	LINCOLN	4	0.4	71.5	MACON	1	0.1
31.0	VERNON	4	0.4	71.5	MONTEAU	1	0.1
31.0	WASHINGTON	4	0.4	71.5	NODAWAY	1	0.1
41.5	BATES	3	0.3	71.5	PIKE	1	0.1
41.5	BUTLER	3	0.3	71.5	PULASKI	1	0.1
41.5	CALLAWAY	3	0.3	71.5	PUTNAM	1	0.1
41.5	CASS	3	0.3	71.5	SCOTLAND	1	0.1
41.5	CEDAR	3	0.3	71.5	TEXAS	1	0.1
41.5	CHRISTIAN	3	0.3	71.5	WEBSTER	1	0.1
41.5	HENRY	3	0.3	71.5	WRIGHT	1	0.1
41.5	JOHNSON	3	0.3				
41.5	MADISON	3	0.3				
41.5	MILLER	3	0.3				
41.5	MISSISSIPPI	3	0.3				
41.5	MORGAN	3	0.3				
41.5	PEMISCOTT	3	0.3				
41.5	RAY	3	0.3				
54.0	CLINTON	2	0.2				
54.0	GASCONADE	2	0.2				
54.0	GRUNDY	2	0.2				
54.0	LIVINGSTON	2	0.2				
54.0	MONROE	2	0.2				
54.0	NEW MADRID	2	0.2				
54.0	POLK	2	0.2				
54.0	RANDOLPH	2	0.2				
54.0	STE. GENEVIEVE	2	0.2				
54.0	TANEY	2	0.2				
54.0	WARREN	2	0.2				
			Second Quartile				
			Third Quartile				
71.5	ANDREW	1	0.1	99.5	ATCHISON	0	0.0
71.5	BARTON	1	0.1	99.5	BOLLINGER	0	0.0
71.5	BENTON	1	0.1	99.5	CALDWELL	0	0.0
71.5	CAMDEN	1	0.1	99.5	CARTER	0	0.0
71.5	CARROLL	1	0.1	99.5	CLARK	0	0.0
71.5	CRAWFORD	1	0.1	99.5	COOPER	0	0.0
71.5	DADE	1	0.1	99.5	DAVISS	0	0.0
71.5	DALLAS	1	0.1	99.5	DOUGLAS	0	0.0
71.5	DE KALB	1	0.1	99.5	GENTRY	0	0.0
71.5	HOLT	1	0.1	99.5	HARRISON	0	0.0
71.5	IRON	1	0.1	99.5	HICKORY	0	0.0
71.5	LACLEDE	1	0.1	99.5	HOWARD	0	0.0
71.5	LINN	1	0.1	99.5	KNOX	0	0.0
71.5	MC DONALD	1	0.1	99.5	LEWIS	0	0.0
				99.5	MARIES	0	0.0
				99.5	MERCER	0	0.0
				99.5	MONTGOMERY	0	0.0
				99.5	OREGON	0	0.0
				99.5	OSAGE	0	0.0
				99.5	OZARK	0	0.0
				99.5	PERRY	0	0.0
				99.5	RALLS	0	0.0
				99.5	REYNOLDS	0	0.0
				99.5	RIPLEY	0	0.0
				99.5	ST. CLAIR	0	0.0
				99.5	SCHUYLER	0	0.0
				99.5	SHANNON	0	0.0
				99.5	SHELBY	0	0.0
				99.5	STONE	0	0.0
				99.5	SULLIVAN	0	0.0
				99.5	WAYNE	0	0.0
				99.5	WORTH	0	0.0

TABLE 3.8.13

1993 BICYCLE INVOLVED ACCIDENTS

CITY LISTING

RANK	CITY	FREQUENCY	PERCENT ¹
1.0	ST. LOUIS	150	18.9
2.0	KANSAS CITY	107	13.5
3.0	SPRINGFIELD	37	4.7
4.0	COLUMBIA	31	3.9
5.0	ST. CHARLES	17	2.1
6.0	ST. PETERS	15	1.9
7.5	BLUE SPRINGS	14	1.8
7.5	FLORISSANT	14	1.8
9.5	INDEPENDENCE	13	1.6
9.5	JOPLIN	13	1.6
12.0	CAPE GIRARDEAU	11	1.4
12.0	SIKESTON	11	1.4
12.0	UNIVERSITY CITY	11	1.4
14.0	ST. JOSEPH	10	1.3
15.0	SEDALIA	9	1.1
16.5	OVERLAND	8	1.0
16.5	RAYTOWN	8	1.0
19.0	HANNIBAL	7	0.9
19.0	KENNETT	7	0.9
19.0	MARSHALL	7	0.9
21.0	WEBSTER GROVES	6	0.8
25.0	GLADSTONE	5	0.6
25.0	JEFFERSON CITY	5	0.6
25.0	JENNINGS	5	0.6
25.0	KIRKSVILLE	5	0.6
25.0	KIRKWOOD	5	0.6
25.0	ROLLA	5	0.6
25.0	WASHINGTON	5	0.6
34.5	CHESTERFIELD	4	0.5
34.5	CRESTWOOD	4	0.5
34.5	DEXTER	4	0.5
34.5	FERGUSON	4	0.5
34.5	GRANDVIEW	4	0.5
34.5	HAZELWOOD	4	0.5
34.5	MAPLEWOOD	4	0.5
34.5	MEXICO	4	0.5
34.5	MONETT	4	0.5
34.5	O'FALLON	4	0.5
34.5	SALEM	4	0.5
34.5	WENTZVILLE	4	0.5

¹Percentage is based on bicycle involved accidents which occurred in Missouri municipalities with populations of 1,000 or more. Only those municipalities comprising 0.5% or more of these accidents are listed.

TABLE 3.8.14

MISSOURI FATAL AND PERSONAL INJURY BICYCLE INVOLVED ACCIDENTS ANNUAL TIME SERIES

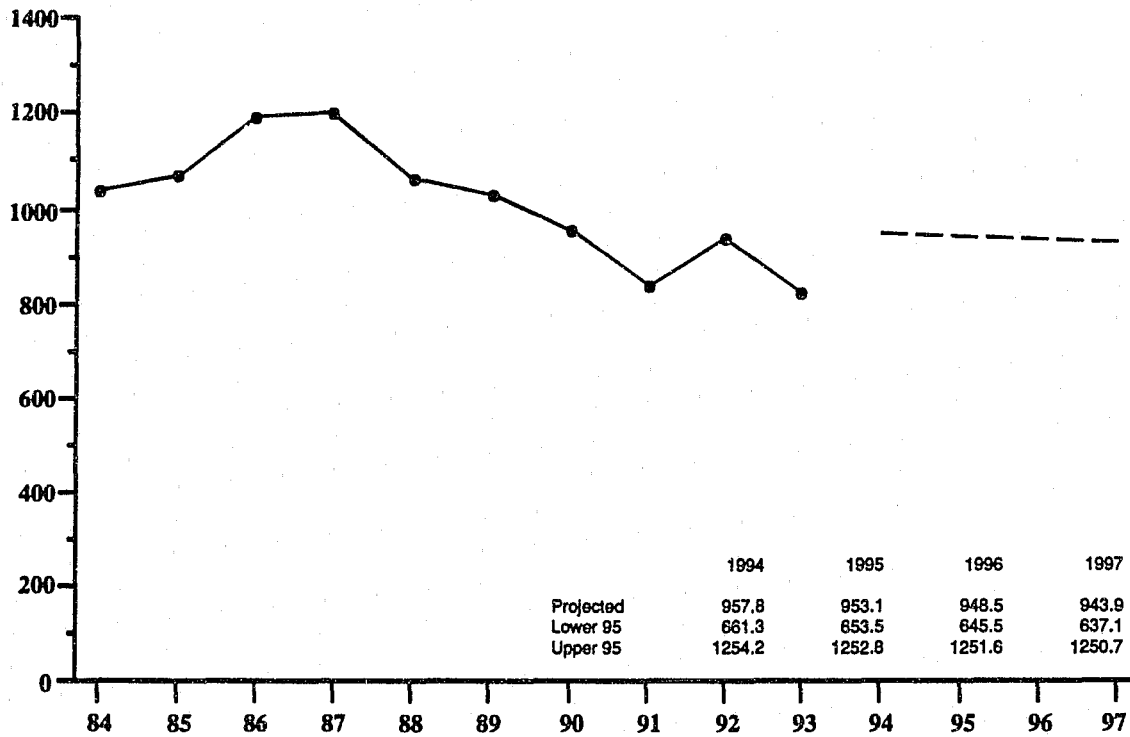


FIGURE 3.8.4

3.9 PEDESTRIAN INVOLVEMENT

This section presents a series of data displays which describe pedestrian involvement in Missouri's traffic accident experience. Pedestrian accidents are defined as any accident 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 accident. 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.

1993 SUMMARY ANALYSIS

- Of all 1993 Missouri traffic accidents, 1.2% involved a pedestrian. Of all fatal traffic accidents, 12.2% involved a pedestrian. A total of 105 persons were killed and 2,194 were injured in traffic accidents involving a pedestrian. In these traffic accidents, 102 of the 105 persons killed were pedestrians and 2,047 of the 2,194 persons injured were pedestrians.
- There was a 2.6% increase in the number of pedestrian related traffic accidents when comparing 1992 with 1993. However, when comparing fatal pedestrian related accidents over the same time period there was a 24.1% increase between 1992 and 1993.
- In 1993, one person was killed or injured in pedestrian related traffic accidents every 3.8 hours in the State of Missouri.
- Of all 1993 pedestrian traffic accidents, 79.2% occurred in an urban area of the State and 20.8% occurred in a rural area. Of fatal pedestrian accidents, 45.6% occurred in a rural area.
- Of pedestrians involved in the traffic accidents, 64.5% were male and 35.5% were female. The average age of the pedestrian was 26.7 years. For those pedestrians killed the average age was 40.9 years.
- Of pedestrians 14 years and under involved in 1993 traffic accidents, 27.0% were crossing at an intersection and 28.0% were crossing the street from behind a parked vehicle. Of pedestrians 15 through 64 years of age, 30.6% were crossing at an intersection and 12.1% were standing / lying in the road. Of pedestrians 65 years and older, 31.6% were crossing at an intersection.
- Of the drivers who struck pedestrians in 1993 traffic accidents, 61.7% were male and 38.3% were female. The average age of the driver was 36.6 years. Of the drivers who struck pedestrians, 73.8% were driving an automobile and 11.9% were driving a pick-up truck.

1993 MISSOURI TRAFFIC ACCIDENTS

PEDESTRIAN INVOLVEMENT

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	TOTAL NUMBER¹ KILLED INJURED		PEDESTRIANS² KILLED INJURED	
PEDESTRIAN INVOLVED	103	12.2	1,946	4.0	81	0.1	2,130	1.2	105	2,194	102	2,047
NO PEDESTRIAN INVOLVED	740	87.8	47,092	96.0	127,834	99.9	175,666	98.8	844	75,323	-	-
TOTAL	843	100.0	49,038	100.0	127,915	100.0	177,796	100.0	949	77,517	102	2,047

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

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

TABLE 3.9.1

1992 and 1993 PEDESTRIAN INVOLVED ACCIDENT ANALYSIS

	1992	1993	RATE OF CHANGE
FATAL	83	103	+ 24.1
PERSONAL INJURY	1,931	1,946	+ 0.8
PROPERTY DAMAGE	63	81	+ 28.6
TOTAL	2,077	2,130	+ 2.6

TABLE 3.9.2

**1993 PEDESTRIAN INVOLVED ACCIDENTS
AREA CLASSIFICATION BY ACCIDENT SEVERITY**

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
URBAN	56	54.4	1,554	79.9	76	93.8	1,686	79.2
RURAL	47	45.6	392	20.1	5	6.2	444	20.8
TOTAL	103	100.0	1,946	100.0	81	100.0	2,130	100.0

TABLE 3.9.3

**1993 PEDESTRIAN INVOLVED ACCIDENTS
ROAD CURVATURE BY ACCIDENT SEVERITY**

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
STRAIGHT	97	95.1	1,839	95.8	65	92.9	2,001	95.7
CURVE	5	4.9	80	4.2	5	7.1	90	4.3
UNKNOWN	1	-	27	-	11	-	39	-
TOTAL	103	100.0	1,946	100.0	81	100.0	2,130	100.0

TABLE 3.9.4

1993 PEDESTRIAN INVOLVED ACCIDENTS

ROAD INCLINE BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
LEVEL	59	57.8	1,521	79.6	56	81.2	1,636	78.6
HILL	42	41.2	356	18.6	12	17.4	410	19.7
CREST	1	1.0	33	1.7	1	1.5	35	1.7
UNKNOWN	1	-	36	-	12	-	49	-
TOTAL	103	100.0	1,946	100.0	81	100.0	2,130	100.0

TABLE 3.9.5

1993 PEDESTRIAN INVOLVED ACCIDENTS

ROAD CONDITIONS BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRY	81	79.4	1,524	78.8	59	73.8	1,664	78.6
WET	19	18.6	348	18.0	16	20.0	383	18.1
SNOW	1	1.0	31	1.6	5	6.3	37	1.8
ICE	1	1.0	30	1.6	0	0.0	31	1.5
MUD	0	0.0	1	0.1	0	0.0	1	0.1
UNKNOWN	1	-	12	-	1	-	14	-
TOTAL	103	100.0	1,946	100.0	81	100.0	2,130	100.0

TABLE 3.9.6

1993 PEDESTRIAN INVOLVED ACCIDENTS

HIGHWAY CLASSIFICATION BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	24	23.3	64	3.3	3	3.7	91	4.3
U.S. HIGHWAY	7	6.8	118	6.1	4	4.9	129	6.1
STATE NUMBERED	14	13.6	145	7.5	3	3.7	162	7.6
SINGLE STATE LETTERED	9	8.7	36	1.9	0	0.0	45	2.1
DOUBLE STATE LETTERED	3	2.9	23	1.2	0	0.0	26	1.2
OUTER ROAD	1	1.0	10	0.5	1	1.2	12	0.6
COUNTY ROAD	5	4.9	146	7.5	3	3.7	154	7.2
CITY STREET	33	32.0	1,340	68.9	66	81.5	1,439	67.6
INTERSTATE LOOP	6	5.8	3	0.2	0	0.0	9	0.4
OTHER ¹	1	1.0	61	3.1	1	1.2	63	3.0
TOTAL	103	100.0	1,946	100.0	81	100.0	2,130	100.0

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

TABLE 3.9.7

1993 PEDESTRIAN INVOLVED ACCIDENTS

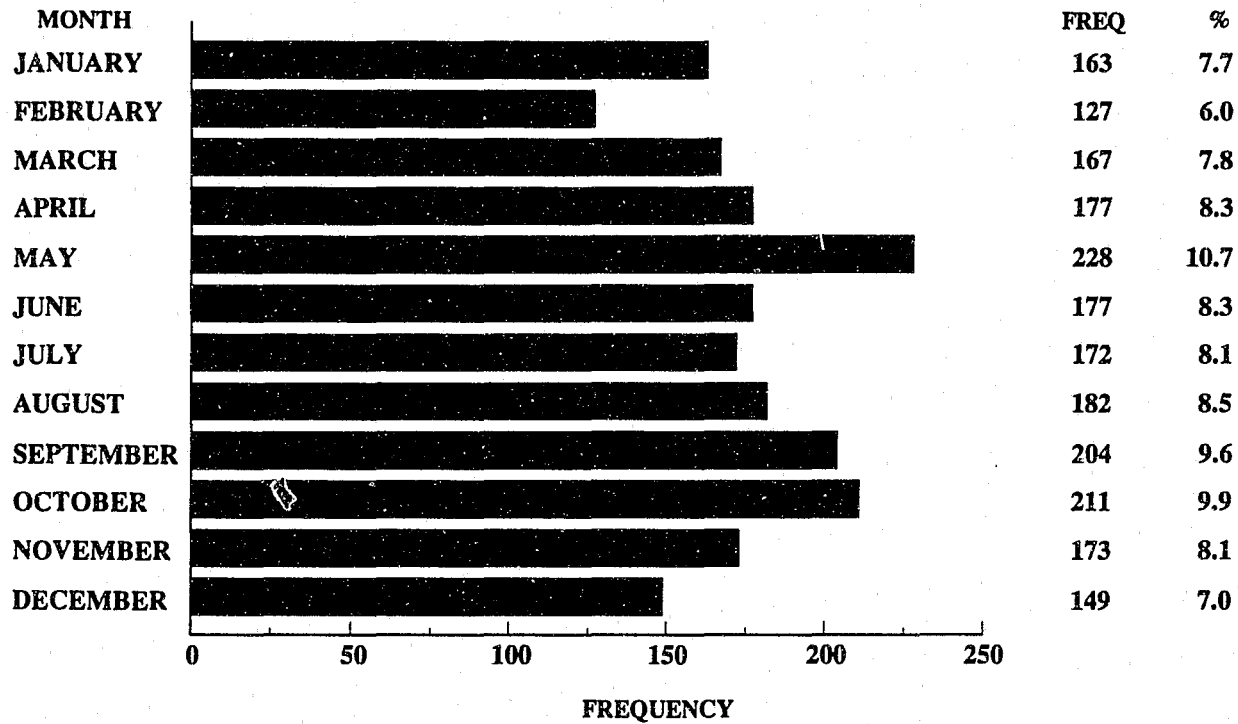
HIGHWAY CLASSIFICATION BY AREA CLASSIFICATION AND ACCIDENT SEVERITY

	URBAN								RURAL							
	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	15	26.8	39	2.5	2	2.6	56	3.3	9	19.2	25	6.4	1	20.0	35	7.9
U.S. HIGHWAY	3	5.4	81	5.2	3	4.0	87	5.2	4	8.5	37	9.4	1	20.0	42	9.5
STATE NUMBERED	3	5.4	79	5.1	1	1.3	83	4.9	11	23.4	66	16.8	2	40.0	79	17.8
SINGLE STATE LETTERED	1	1.8	9	0.6	0	0.0	10	0.6	8	17.0	27	6.9	0	0.0	35	7.9
DOUBLE STATE LETTERED	1	1.8	3	0.2	0	0.0	4	0.2	2	4.3	20	5.1	0	0.0	22	5.0
OUTER ROAD	0	0.0	5	0.3	1	1.3	6	0.4	1	2.1	5	1.3	0	0.0	6	1.4
COUNTY ROAD	0	0.0	34	2.2	3	4.0	37	2.2	5	10.6	112	28.6	0	0.0	117	26.4
CITY STREET	29	51.8	1,264	81.3	65	85.5	1,358	80.6	4	8.5	76	19.4	1	20.0	81	18.2
INTERSTATE LOOP	4	7.1	2	0.1	0	0.0	6	0.4	2	4.3	1	0.3	0	0.0	3	0.7
OTHER ¹	0	0.0	38	2.5	1	1.3	39	2.3	1	2.1	23	5.9	0	0.0	24	5.4
TOTAL	56	100.0	1,554	100.0	76	100.0	1,686	100.0	47	100.0	392	100.0	5	100.0	444	100.0

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

TABLE 3.9.8

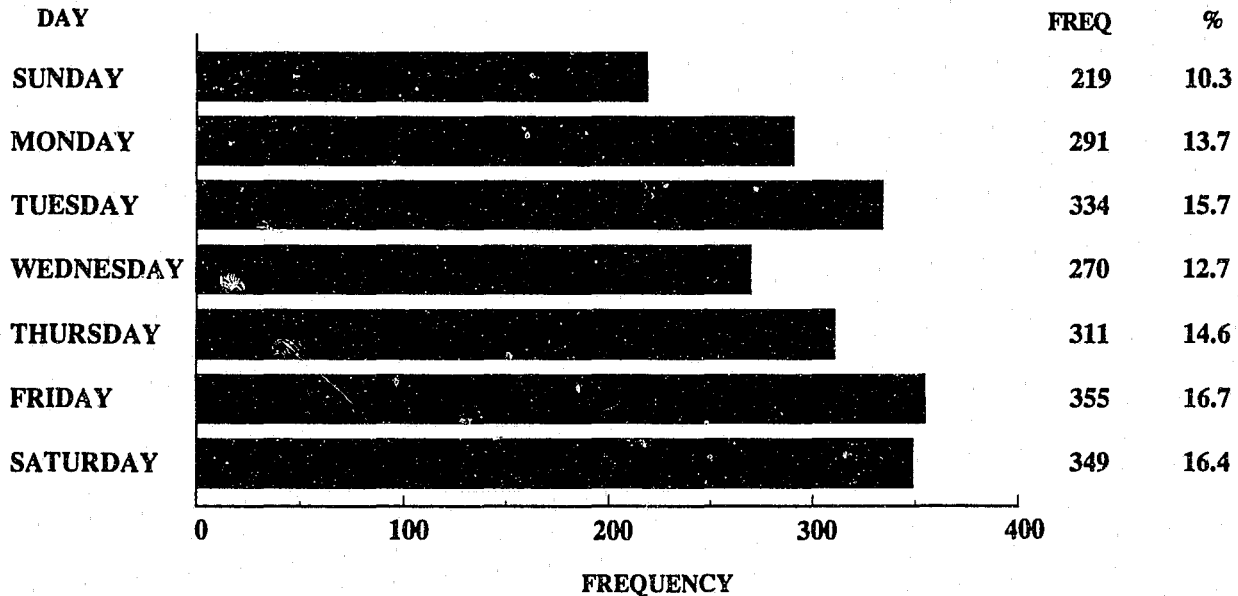
**1993 MISSOURI PEDESTRIAN INVOLVED ACCIDENTS
MONTH OF YEAR**



UNKNOWN DATA NOT INCLUDED

FIGURE 3.9.1

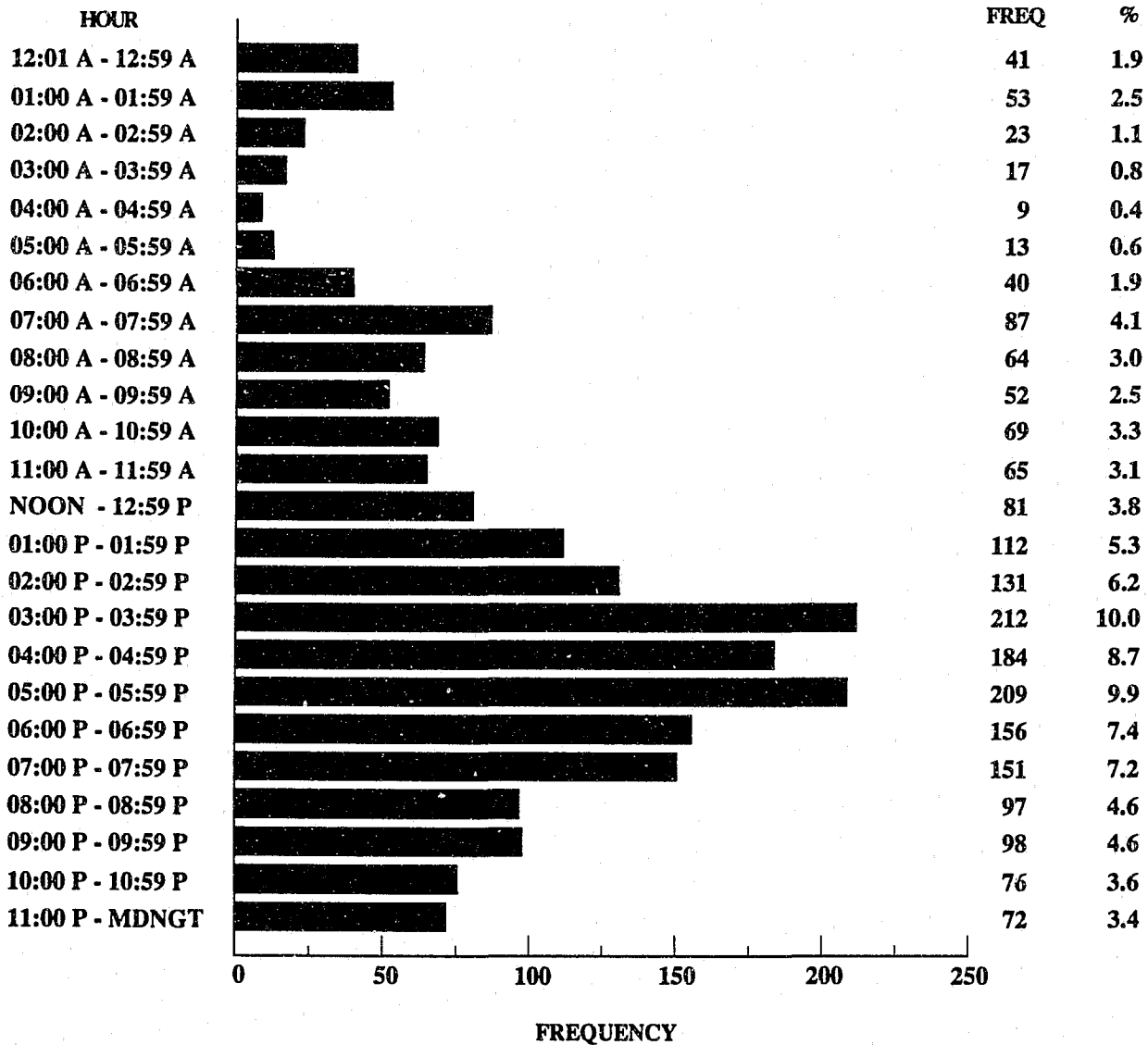
**1993 MISSOURI PEDESTRIAN INVOLVED ACCIDENTS
DAY OF WEEK**



UNKNOWN DATA NOT INCLUDED

FIGURE 3.9.2

**1993 MISSOURI PEDESTRIAN INVOLVED ACCIDENTS
HOUR OF DAY**



UNKNOWN DATA NOT INCLUDED

FIGURE 3.9.3

1993 MISSOURI PEDESTRIAN ACCIDENTS

TYPE OF CIRCUMSTANCE INVOLVED BY ACCIDENT SEVERITY AND PERSON CLASSIFICATION¹

FATAL PEDESTRIAN ACCIDENTS = 103				TOTAL PEDESTRIAN ACCIDENTS = 2,130		
	PEDESTRIAN	OTHER DRIVER/ VEHICLE	TOTAL FATAL	PEDESTRIAN	OTHER DRIVER/ VEHICLE	TOTAL ACCIDENTS
EXCEEDING SPEED LIMIT / TOO FAST FOR CONDITIONS	0.0	10.7	10.7	0.0	6.3	6.3
IMPROPER PASSING	0.0	0.0	0.0	0.0	0.5	0.5
VIOLATION OF STOP SIGN	0.0	1.0	1.0	0.0	2.1	2.1
WRONG SIDE NOT PASSING	0.0	1.0	1.0	0.0	0.6	0.6
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	0.9	0.9
IMPROPER TURN	0.0	0.0	0.0	0.0	0.4	0.4
IMPROPER LANE USAGE / CHANGE	0.0	1.9	1.9	0.0	1.3	1.3
WRONG WAY ONE-WAY STREET	0.0	0.0	0.0	0.0	0.1	0.1
IMPROPER START FROM PARK	0.0	1.0	1.0	0.0	0.6	0.6
IMPROPERLY PARKED	0.0	3.9	3.9	0.0	1.6	1.6
VEHICLE DEFECTS	0.0	3.9	3.9	0.0	1.6	1.6
FAILED TO YIELD	13.6	0.0	13.6	13.7	6.7	20.0
DRINKING	10.7	10.7	21.4	5.1	2.6	7.6
DRUGS	0.0	1.0	1.0	0.2	0.0	0.2
PHYSICAL IMPAIRMENT	1.0	1.9	2.9	0.7	0.5	1.2
INATTENTION	41.7	24.3	60.2	33.5	35.6	59.2

¹This table identifies the percentage of pedestrian accidents having a specific type of circumstance which contributed to the cause of the accident. This table further defines the percentage of accidents where the contributing circumstance was associated with the pedestrian as well as those attributed to other drivers and vehicles in the accident. For instance, when examining drinking involvement in 1993 Missouri fatal pedestrian accidents, it was found that a pedestrian was drinking in 10.7% of the accidents. In 10.7% of the accidents a driver was drinking. In 21.4% of the accidents either a pedestrian, a driver, or both were drinking.

TABLE 3.9.9

PEDESTRIANS INVOLVED IN 1993 MISSOURI ACCIDENTS

SEX OF PEDESTRIAN BY PERSONAL INJURY SEVERITY

	KILLED	%	INJURED	%	NOT INJURED/ INJURY UNK.	%	TOTAL	%
MALE	80	78.4	1,296	63.4	68	73.1	1,444	64.5
FEMALE	22	21.6	749	36.6	25	26.9	796	35.5
UNKNOWN	0	-	2	-	2	-	4	-
TOTAL	102	100.0	2,047	100.0	95	100.0	2,244	100.0

TABLE 3.9.10

PEDESTRIANS INVOLVED IN 1993 MISSOURI ACCIDENTS

AGE OF PEDESTRIAN BY PERSONAL INJURY SEVERITY

	KILLED	%	INJURED	%	NOT INJURED/ INJURY UNK.	%	TOTAL	%
AVERAGE AGE OF PEDESTRIAN	40.9	-	25.9	-	27.6	-	26.7	-
4 YEARS AND UNDER	3	3.0	147	7.4	5	6.8	155	7.2
5 - 9 YEARS	9	8.9	311	15.6	8	10.8	328	15.1
10 - 14 YEARS	3	3.0	288	14.5	7	9.5	298	13.8
15 - 19 YEARS	6	5.9	219	11.0	7	9.5	232	10.7
20 - 24 YEARS	9	8.9	156	7.8	6	8.1	171	7.9
25 - 29 YEARS	9	8.9	158	7.9	7	9.5	174	8.0
30 - 34 YEARS	10	9.9	149	7.5	15	20.3	174	8.0
35 - 39 YEARS	8	7.9	128	6.4	2	2.7	138	6.4
40 - 44 YEARS	5	5.0	110	5.5	5	6.8	120	5.5
45 - 49 YEARS	4	4.0	64	3.2	4	5.4	72	3.3
50 - 54 YEARS	2	2.0	55	2.8	4	5.4	61	2.8
55 - 59 YEARS	3	3.0	45	2.3	0	0.0	48	2.2
60 - 64 YEARS	6	5.9	45	2.3	0	0.0	51	2.4
65 YEARS AND OVER	24	23.8	116	5.8	4	5.4	144	6.7
UNKNOWN	1	-	56	-	21	-	78	-
TOTAL	102	100.0	2,047	100.0	95	100.0	2,244	100.0

TABLE 3.9.11

PEDESTRIANS INVOLVED IN 1993 MISSOURI ACCIDENTS

PEDESTRIAN ACTIONS BY AGE GROUP

	00 - 14 YEARS	%	15 - 64 YEARS	%	65 YEARS AND OVER	%	UN- KNOWN	TOTAL	%
AT INTERSECTION - WITH SIGNAL	27	3.6	90	7.7	16	12.0	4	137	6.5
AT INTERSECTION - AGAINST SIGNAL	36	4.8	61	5.2	8	6.0	5	110	5.2
AT INTERSECTION - NO SIGNAL	132	17.7	186	16.0	17	12.8	9	344	16.3
AT INTERSECTION - DIAGONALLY	7	0.9	20	1.7	1	0.8	2	30	1.4
FROM BEHIND PARKED VEHICLE	209	28.0	134	11.5	16	12.0	8	367	17.4
WALKING WITH TRAFFIC	15	2.0	98	8.4	4	3.0	3	120	5.7
WALKING AGAINST TRAFFIC	25	3.4	55	4.7	9	6.8	2	91	4.3
GETTING ON / OFF VEHICLE	11	1.5	35	3.0	5	3.8	2	53	2.5
STANDING / LYING IN ROAD	14	1.9	141	12.1	10	7.5	7	172	8.2
PUSHING / WORKING ON VEHICLE	4	0.5	43	3.7	3	2.3	3	53	2.5
OTHER WORK IN ROAD	1	0.1	39	3.4	3	2.3	1	44	2.1
PLAYING IN ROAD	94	12.6	17	1.5	0	0.0	2	113	5.4
OTHER THAN CROSSWALK	157	21.1	159	13.7	30	22.6	16	362	17.2
NOT IN ROAD	12	1.6	58	5.0	7	5.3	1	78	3.7
IN MARKED CROSSWALK	2	0.3	28	2.4	4	3.0	1	35	1.7
UNKNOWN	35	-	77	-	11	-	12	135	-
TOTAL	781	100.0	1,241	100.0	144	100.0	78	2,244	100.0

TABLE 3.9.12

DRIVERS OF VEHICLES STRIKING PEDESTRIANS IN 1993 MISSOURI ACCIDENTS

SEX OF DRIVER BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MALE	71	78.0	930	60.5	39	66.1	1,040	61.7
FEMALE	20	22.0	607	39.5	20	33.9	647	38.3
UNKNOWN	9	-	343	-	21	-	373	-
TOTAL	100	100.0	1,880	100.0	80	100.0	2,060	100.0

TABLE 3.9.13

DRIVERS OF VEHICLES STRIKING PEDESTRIANS IN 1993 MISSOURI ACCIDENTS

AGE OF DRIVER BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AVERAGE AGE OF DRIVER	35.0	-	36.7	-	37.4	-	36.6	-
15 YEARS AND UNDER	1	1.1	11	0.7	0	0.0	12	0.7
16 - 20 YEARS	15	16.5	250	16.7	5	8.8	270	16.4
21 - 25 YEARS	15	16.5	208	13.9	12	21.1	235	14.3
26 - 30 YEARS	14	15.4	194	12.9	7	12.3	215	13.1
31 - 35 YEARS	13	14.3	165	11.0	8	14.0	186	11.3
36 - 40 YEARS	8	8.8	157	10.5	8	14.0	173	10.5
41 - 45 YEARS	5	5.5	123	8.2	3	5.3	131	8.0
46 - 50 YEARS	2	2.2	96	6.4	3	5.3	101	6.1
51 - 55 YEARS	4	4.4	72	4.8	1	1.8	77	4.7
56 - 60 YEARS	5	5.5	62	4.1	4	7.0	71	4.3
61 - 65 YEARS	3	3.3	44	2.9	1	1.8	48	2.9
66 YEARS AND OVER	6	6.6	118	7.9	5	8.8	129	7.8
UNKNOWN	9	-	380	-	23	-	412	-
TOTAL	100	100.0	1,880	100.0	80	100.0	2,060	100.0

TABLE 3.9.14

DRIVERS OF VEHICLES STRIKING PEDESTRIANS IN 1993 MISSOURI ACCIDENTS

TYPE OF VISION OBSTRUCTION BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
WINDSHIELD OBSCURED	1	1.0	10	0.6	0	0.0	11	0.6
LOAD ON VEHICLE	0	0.0	2	0.1	0	0.0	2	0.1
TREES	1	1.0	11	0.7	0	0.0	12	0.7
BUILDING	0	0.0	6	0.4	1	1.6	7	0.4
EMBANKMENT	0	0.0	1	0.1	0	0.0	1	0.1
SIGNBOARD	0	0.0	2	0.1	0	0.0	2	0.1
HILLCREST	2	2.0	10	0.6	2	3.2	14	0.8
PARKED CARS	4	4.1	173	10.6	0	0.0	177	9.9
MOVING CARS	5	5.1	86	5.3	2	3.2	93	5.2
OTHER	11	11.2	99	6.1	3	4.8	113	6.3
NOT OBSCURED	74	75.5	1,233	75.5	54	87.1	1,361	75.9
UNKNOWN	2	-	247	-	18	-	267	-
TOTAL	130	100.0	1,880	100.0	80	100.0	2,060	100.0

TABLE 3.9.15

DRIVERS OF VEHICLES STRIKING PEDESTRIANS IN 1993 MISSOURI ACCIDENTS

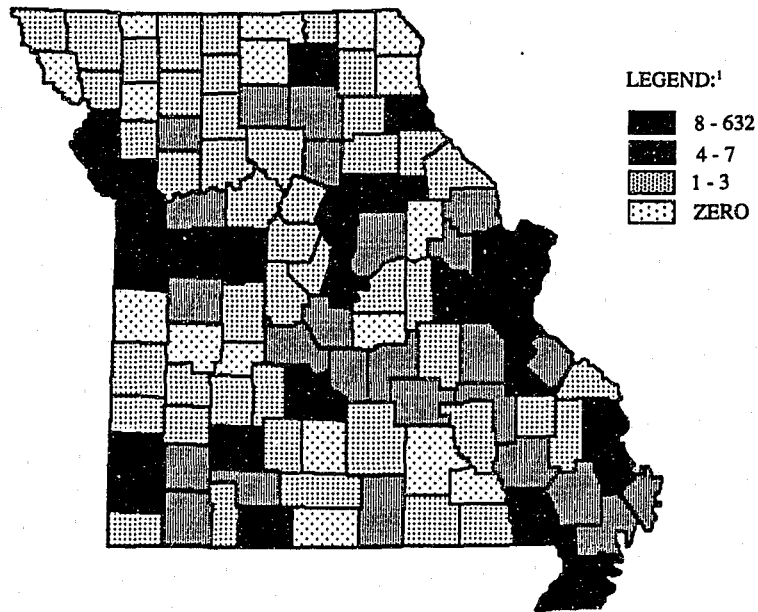
TYPE OF VEHICLE DRIVEN BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AUTOMOBILE	65	67.7	1,363	73.8	63	81.8	1,491	73.8
SPORT UTILITY VEHICLE	1	1.0	57	3.1	1	1.3	59	2.9
VAN / SMALL BUS	3	3.1	124	6.7	2	2.6	129	6.4
BUS	1	1.0	18	1.0	1	1.3	20	1.0
SCHOOL BUS	3	3.1	10	0.5	1	1.3	14	0.7
MOTORCYCLE	1	1.0	8	0.4	0	0.0	9	0.5
MOPED	0	0.0	1	0.1	0	0.0	1	0.1
MOTORHOME / CAMPER	0	0.0	2	0.1	0	0.0	2	0.1
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	3	3.1	2	0.1	0	0.0	5	0.3
PICK-UP TRUCK	14	14.6	219	11.9	8	10.4	241	11.9
OTHER TRUCKS	5	5.2	38	2.1	1	1.3	44	2.2
ALL TERRAIN VEHICLE	0	0.0	3	0.2	0	0.0	3	0.2
UNKNOWN	4	-	33	-	3	-	40	-
TOTAL	100	100.0	1,880	100.0	80	100.0	2,060	100.0

TABLE 3.9.16

1993 PEDESTRIAN INVOLVED ACCIDENTS

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	632	29.7	17.5	ST. FRANCOIS	13	0.6
2.0	JACKSON	477	22.4	19.0	LACLEDE	11	0.5
3.0	ST. LOUIS	324	15.2	21.0	MARION	10	0.5
4.0	GREENE	62	2.9	21.0	NEWTON	10	0.5
5.0	BOONE	41	1.9	21.0	PLATTE	10	0.5
6.0	BUCHANAN	36	1.7	23.0	CASS	9	0.4
7.5	CLAY	34	1.6	26.0	ADAIR	8	0.4
7.5	JASPER	34	1.6	26.0	AUDRAIN	8	0.4
9.0	ST. CHARLES	33	1.5	26.0	DUNKLIN	8	0.4
10.0	JEFFERSON	31	1.5	26.0	PETTIS	8	0.4
11.0	FRANKLIN	26	1.2	26.0	TANEY	8	0.4
12.0	COLE	19	0.9				
13.0	BUTLER	18	0.8				
14.0	SCOTT	15	0.7				
15.5	CAPE GIRARDEAU	14	0.7				
15.5	JOHNSON	14	0.7				
17.5	PEMISCOTT	13	0.6				

First Quartile			
RANK	COUNTY	FREQUENCY	PERCENT
30.0	BARRY	7	0.3
30.0	MISSISSIPPI	7	0.3
30.0	RANDOLPH	7	0.3

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
34.5	CALLAWAY	6	0.3	69.5	WEBSTER	2	0.1
34.5	CAMDEN	6	0.3	86.5	ATCHISON	1	0.0
34.5	HOWELL	6	0.3	86.5	BARTON	1	0.0
34.5	LAFAYETTE	6	0.3	86.5	BOLLINGER	1	0.0
34.5	LINN	6	0.3	86.5	CEDAR	1	0.0
34.5	PULASKI	6	0.3	86.5	CHARITON	1	0.0
40.5	CHRISTIAN	5	0.2	86.5	CLINTON	1	0.0
40.5	MACON	5	0.2	86.5	CRAWFORD	1	0.0
40.5	NEW MADRID	5	0.2	86.5	DADE	1	0.0
40.5	PHELPS	5	0.2	86.5	DAVISS	1	0.0
40.5	WARREN	5	0.2	86.5	DOUGLAS	1	0.0
40.5	WASHINGTON	5	0.2	86.5	GASCONADE	1	0.0
48.5	CALDWELL	4	0.2	86.5	GENTRY	1	0.0
48.5	DENT	4	0.2	86.5	GRUNDY	1	0.0
48.5	HENRY	4	0.2	86.5	HARRISON	1	0.0
48.5	IRON	4	0.2	86.5	KNOX	1	0.0
48.5	LAWRENCE	4	0.2	86.5	MERCER	1	0.0
48.5	LINCOLN	4	0.2	86.5	OSAGE	1	0.0
48.5	MILLER	4	0.2	86.5	PIKE	1	0.0
48.5	STE. GENEVIEVE	4	0.2	86.5	RALLS	1	0.0
48.5	STODDARD	4	0.2	86.5	REYNOLDS	1	0.0
48.5	WAYNE	4	0.2	86.5	RIPLEY	1	0.0
				86.5	SCHUYLER	1	0.0
				86.5	TEXAS	1	0.0
				86.5	VERNON	1	0.0
				Third Quartile			
Second Quartile							
-----				-----			
59.0	ANDREW	3	0.1	Third Quartile			
59.0	BENTON	3	0.1	Fourth Quartile			
59.0	CARROLL	3	0.1	107.0	BATES	0	0.0
59.0	COOPER	3	0.1	107.0	CARTER	0	0.0
59.0	MC DONALD	3	0.1	107.0	CLARK	0	0.0
59.0	MADISON	3	0.1	107.0	DE KALB	0	0.0
59.0	MONROE	3	0.1	107.0	HICKORY	0	0.0
59.0	PERRY	3	0.1	107.0	HOLT	0	0.0
59.0	POLK	3	0.1	107.0	LEWIS	0	0.0
59.0	RAY	3	0.1	107.0	MARIES	0	0.0
59.0	SALINE	3	0.1	107.0	MONTGOMERY	0	0.0
69.5	DALLAS	2	0.1	107.0	OZARK	0	0.0
69.5	HOWARD	2	0.1	107.0	PUTNAM	0	0.0
69.5	LIVINGSTON	2	0.1	107.0	ST. CLAIR	0	0.0
69.5	MONITEAU	2	0.1	107.0	SCOTLAND	0	0.0
69.5	MORGAN	2	0.1	107.0	SHANNON	0	0.0
69.5	NODAWAY	2	0.1	107.0	SULLIVAN	0	0.0
69.5	OREGON	2	0.1	107.0	WORTH	0	0.0
69.5	SHELBY	2	0.1	107.0	WRIGHT	0	0.0
69.5	STONE	2	0.1				

TABLE 3.9.17

1993 PEDESTRIAN INVOLVED ACCIDENTS

CITY LISTING

RANK	CITY	FREQUENCY	PERCENT ¹
1.0	ST. LOUIS	632	34.5
2.0	KANSAS CITY	421	23.0
3.0	SPRINGFIELD	58	3.2
4.0	ST. JOSEPH	34	1.9
5.0	INDEPENDENCE	33	1.8
6.0	COLUMBIA	32	1.7
7.0	JOPLIN	21	1.1
8.0	UNIVERSITY CITY	20	1.1
9.0	JEFFERSON CITY	18	1.0
10.0	POPLAR BLUFF	16	0.9
11.5	BLUE SPRINGS	15	0.8
11.5	KIRKWOOD	15	0.8
13.0	ST. CHARLES	13	0.7
15.0	FLORISSANT	12	0.7
15.0	SIKESTON	12	0.7
15.0	WARRENSBURG	12	0.7
18.0	CAPE GIRARDEAU	11	0.6
18.0	HANNIBAL	11	0.6
18.0	LEE'S SUMMIT	11	0.6
20.0	FERGUSON	10	0.5
22.5	CLAYTON	9	0.5
22.5	JENNINGS	9	0.5
22.5	MARYLAND HEIGHTS	9	0.5
22.5	ST. ANN	9	0.5

¹Percentage is based on pedestrian involved accidents which occurred in Missouri municipalities with populations of 1,000 or more. Only those municipalities comprising 0.5% or more of these accidents are listed.

TABLE 3.9.18

**MISSOURI FATAL AND PERSONAL INJURY PEDESTRIAN ACCIDENTS
ANNUAL TIME SERIES**

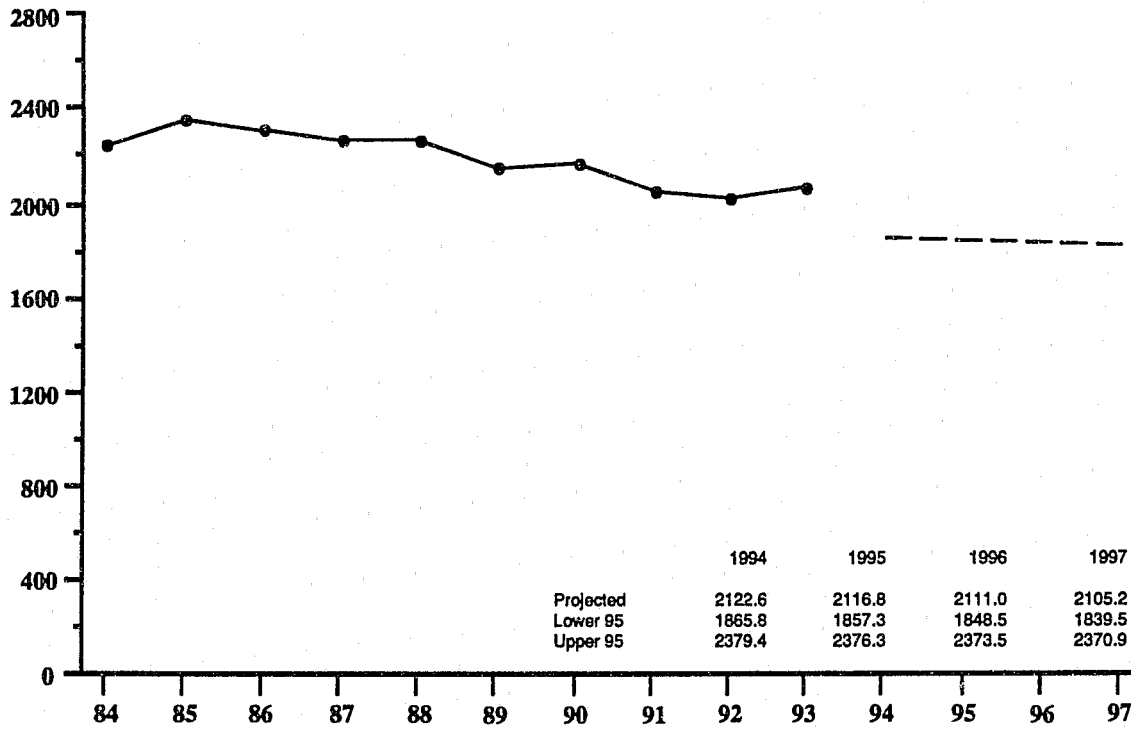


FIGURE 3.9.4

3.10 FIXED OBJECT INVOLVEMENT

This section presents a series of data displays which describe fixed object involvement in Missouri's traffic accident experience. Fixed object traffic accidents are defined as any traffic accident whose first harmful event involves a motor vehicle striking a fixed object. Accidents where a motor vehicle struck a fixed object as a result of a secondary event in an accident 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.

1993 SUMMARY ANALYSIS

- Of all Missouri traffic accidents, 15.5% involved a fixed object being struck as part of the first harmful event. Of all fatal traffic accidents, 32.2% involved a fixed object. A total of 292 persons were killed and 12,909 were injured in fixed object accidents.
- There was an increase of 5.8% in the rate of change when comparing all 1993 fixed object related traffic accident activity with that occurring in 1992. However, when examining fatal fixed object accidents, the rate of change decreased by 13.1%.
- In 1993, one person was killed or injured in a fixed object accident every 39.8 minutes in the State of Missouri.
- Of all fixed object traffic accidents, 47.3% occurred in an urban area and 52.7% occurred in a rural area of the State. Of the fatal fixed object accidents, 73.1% occurred in a rural area.
- Of all fixed object accidents, 30.1% occurred on a curve and 40.3% occurred on a hill or crest of a hill.
- In 22.1% of the cases, an embankment, culvert, or ditch was the type of object struck. In 10.3% of the incidents, a tree was struck.
- Of the vehicles striking the fixed object, 65.7% were automobiles and 17.7% were pick-up trucks.
- Of the drivers striking fixed objects, 67.8% were male and 32.2% were female. The average age of the driver was 31.8 years.
- Of the drivers striking fixed objects, 83.1% had a Missouri driver's license, 12.5% had an out-of-state driver's license, and 4.5% were unlicensed.

1993 MISSOURI TRAFFIC ACCIDENTS

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	271	32.2	9,387	19.1	17,910	14.0	27,568	15.5	292	12,909	287	12,704
NO FIXED OBJECT INVOLVED	572	67.8	39,651	80.9	110,005	86.0	150,228	84.5	657	64,608	-	-
TOTAL	843	100.0	49,038	100.0	127,915	100.0	177,796	100.0	949	77,517	287	12,704

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

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

TABLE 3.10.1

101

1992 and 1993 FIXED OBJECT ACCIDENT ANALYSIS

	1992	1993	RATE OF CHANGE
FATAL	312	271	- 13.1
PERSONAL INJURY	9,260	9,387	+ 1.4
PROPERTY DAMAGE	16,489	17,910	+ 8.6
TOTAL	26,061	27,568	+ 5.8

TABLE 3.10.2

1993 FIXED OBJECT ACCIDENTS

AREA CLASSIFICATION BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
URBAN	73	26.9	3,463	36.9	9,511	53.1	13,047	47.3
RURAL	198	73.1	5,924	63.1	8,399	46.9	14,521	52.7
TOTAL	271	100.0	9,387	100.0	17,910	100.0	27,568	100.0

TABLE 3.10.3

1993 FIXED OBJECT ACCIDENTS

ROAD CURVATURE BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
STRAIGHT	139	51.3	6,078	65.3	11,933	72.8	18,150	69.9
CURVE	132	48.7	3,224	34.7	4,449	27.2	7,805	30.1
UNKNOWN	0	-	85	-	1,528	-	1,613	-
TOTAL	271	100.0	9,387	100.0	17,910	100.0	27,568	100.0

TABLE 3.10.4

1993 FIXED OBJECT ACCIDENTS
ROAD INCLINE BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
LEVEL	123	45.6	5,196	56.0	10,104	62.1	15,423	59.8
HILL	142	52.6	3,865	41.7	5,799	35.7	9,806	38.0
CREST	5	1.9	215	2.3	365	2.2	585	2.3
UNKNOWN	1	-	111	-	1,642	-	1,754	-
TOTAL	271	100.0	9,387	100.0	17,910	100.0	27,568	100.0

TABLE 3.10.5

1993 FIXED OBJECT ACCIDENTS
ROAD CONDITIONS BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRY	219	80.8	6,368	68.1	10,227	57.8	16,814	61.5
WET	46	17.0	2,206	23.6	4,865	27.5	7,117	26.0
SNOW	1	0.4	236	2.5	965	5.5	1,202	4.4
ICE	5	1.9	523	5.6	1,594	9.0	2,122	7.8
MUD	0	0.0	23	0.3	50	0.3	73	0.3
UNKNOWN	0	-	31	-	209	-	240	-
TOTAL	271	100.0	9,387	100.0	17,910	100.0	27,568	100.0

TABLE 3.10.6

1993 FIXED OBJECT ACCIDENTS

HIGHWAY CLASSIFICATION BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	45	16.6	1,390	14.8	2,631	14.7	4,066	14.8
U.S. HIGHWAY	41	15.1	910	9.7	1,519	8.5	2,470	9.0
STATE NUMBERED	55	20.3	1,539	16.4	2,198	12.3	3,792	13.8
SINGLE STATE LETTERED	36	13.3	1,195	12.7	1,279	7.1	2,510	9.1
DOUBLE STATE LETTERED	16	5.9	473	5.0	535	3.0	1,024	3.7
OUTER ROAD	5	1.9	71	0.8	181	1.0	257	0.9
COUNTY ROAD	31	11.4	1,506	16.0	2,525	14.1	4,062	14.7
CITY STREET	39	14.4	2,147	22.9	6,481	36.2	8,667	31.4
INTERSTATE LOOP	0	0.0	24	0.3	36	0.2	60	0.2
OTHER ¹	3	1.1	132	1.4	525	2.9	660	2.4
TOTAL	271	100.0	9,387	100.0	17,910	100.0	27,568	100.0

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

TABLE 3.10.7

1993 FIXED OBJECT ACCIDENTS

HIGHWAY CLASSIFICATION BY AREA CLASSIFICATION AND ACCIDENT SEVERITY

	URBAN								RURAL							
	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	24	32.9	728	21.0	1,500	15.8	2,252	17.3	21	10.6	662	11.2	1,131	13.5	1,814	12.5
U.S. HIGHWAY	2	2.7	251	7.3	566	6.0	819	6.3	39	19.7	659	11.1	953	11.4	1,651	11.4
STATE NUMBERED	5	6.9	224	6.5	533	5.6	762	5.8	50	25.3	1,315	22.2	1,665	19.8	3,030	20.9
SINGLE STATE LETTERED	1	1.4	48	1.4	129	1.4	178	1.4	35	17.7	1,147	19.4	1,150	13.7	2,332	16.1
DOUBLE STATE LETTERED	0	0.0	22	0.6	75	0.8	97	0.7	16	8.1	451	7.6	460	5.5	927	6.4
OUTER ROAD	0	0.0	39	1.1	91	1.0	130	1.0	5	2.5	32	0.5	90	1.1	127	0.9
COUNTY ROAD	3	4.1	136	3.9	335	3.5	474	3.6	28	14.1	1,370	23.1	2,190	26.1	3,588	24.7
CITY STREET	37	50.7	1,940	56.0	5,894	62.0	7,871	60.3	2	1.0	207	3.5	587	7.0	796	5.5
INTERSTATE LOOP	0	0.0	14	0.4	26	0.3	40	0.3	0	0.0	10	0.2	10	0.1	20	0.1
OTHER ¹	1	1.4	61	1.8	362	3.8	424	3.3	2	1.0	71	1.2	163	1.9	236	1.6
TOTAL	73	100.0	3,463	100.0	9,511	100.0	13,047	100.0	198	100.0	5,924	100.0	8,399	100.0	14,521	100.0

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

TABLE 3.10.8

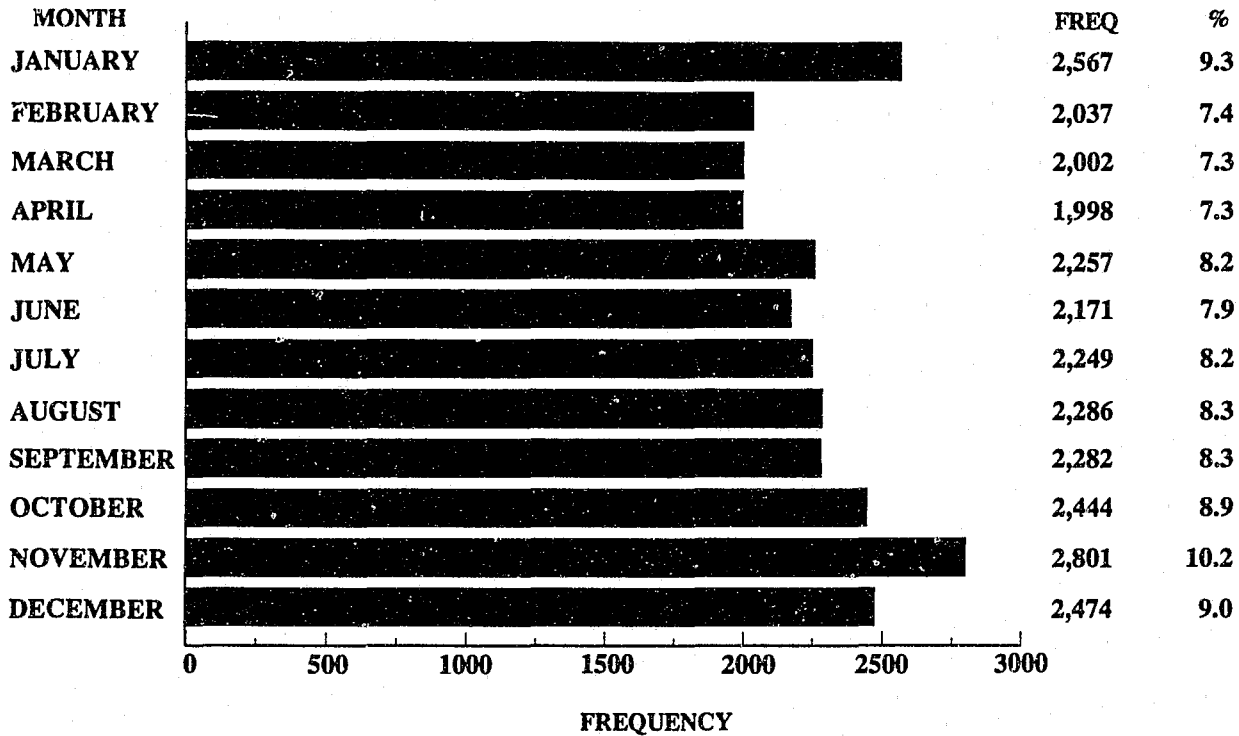
1993 FIXED OBJECT ACCIDENTS

TYPE OF OBJECT STRUCK BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
TREE	48	17.7	1,364	14.6	1,423	8.0	2,835	10.3
EMBANKMENT	55	20.3	1,590	17.0	1,338	7.5	2,983	10.9
GUARD RAIL FACE	16	5.9	462	4.9	951	5.4	1,429	5.2
GUARD RAIL END	12	4.4	92	1.0	142	0.8	246	0.9
UTILITY POLE	10	3.7	843	9.0	1,221	6.9	2,074	7.6
FENCE	9	3.3	547	5.8	1,788	10.1	2,344	8.6
STREET LIGHT SUPPORT	4	1.5	330	3.5	870	4.9	1,204	4.4
CULVERT	14	5.2	445	4.8	474	2.7	933	3.4
TRAFFIC SIGN POST	19	7.0	579	6.2	1,957	11.0	2,555	9.3
PIER / ABUTMENT	4	1.5	139	1.5	225	1.3	368	1.3
CURB	6	2.2	261	2.8	838	4.7	1,105	4.0
MAILBOX	9	3.3	186	2.0	723	4.1	918	3.4
CONCRETE TRAF. BARRIER	5	1.9	96	1.0	201	1.1	302	1.1
BUILDING	3	1.1	126	1.4	419	2.4	548	2.0
TRAFFIC SIGNAL SUPPORT	3	1.1	118	1.3	422	2.4	543	2.0
IMPACT ATTENUATOR	0	0.0	31	0.3	63	0.4	94	0.3
FIRE HYDRANT	1	0.4	75	0.8	436	2.5	512	1.9
BRIDGE PARAPET END	2	0.7	44	0.5	28	0.2	74	0.3
BRIDGE RAIL	3	1.1	140	1.5	212	1.2	355	1.3
MEDIAN BARRIER	6	2.2	422	4.5	769	4.3	1,197	4.4
OVERHEAD SIGN SUPPORT	0	0.0	1	0.0	7	0.0	8	0.0
DITCH	20	7.4	819	8.8	1,302	7.3	2,141	7.8
OTHER POST	5	1.9	67	0.7	176	1.0	248	0.9
WALL	2	0.7	93	1.0	265	1.5	360	1.3
OTHER	15	5.5	494	5.3	1,540	8.7	2,049	7.5
FIXED OBJECT TYPE UNKNOWN	0	-	23	-	120	-	143	-
TOTAL	271	100.0	9,387	100.0	17,910	100.0	27,568	100.0

TABLE 3.10.9

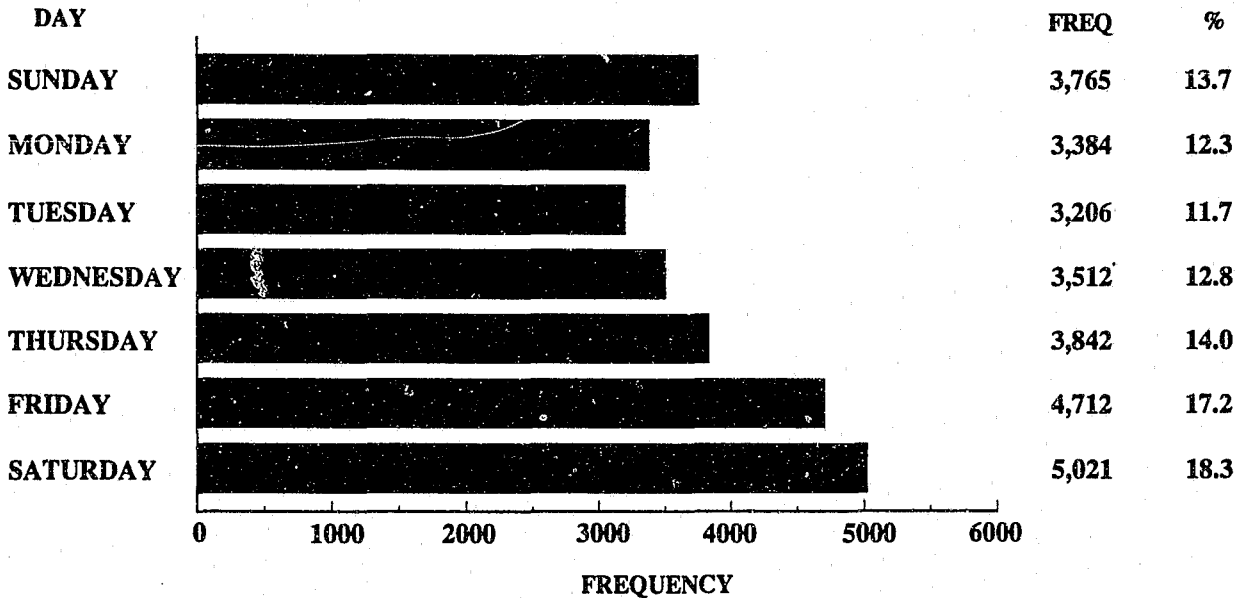
**1993 MISSOURI FIXED OBJECT ACCIDENTS
MONTH OF YEAR**



UNKNOWN DATA NOT INCLUDED

FIGURE 3.10.1

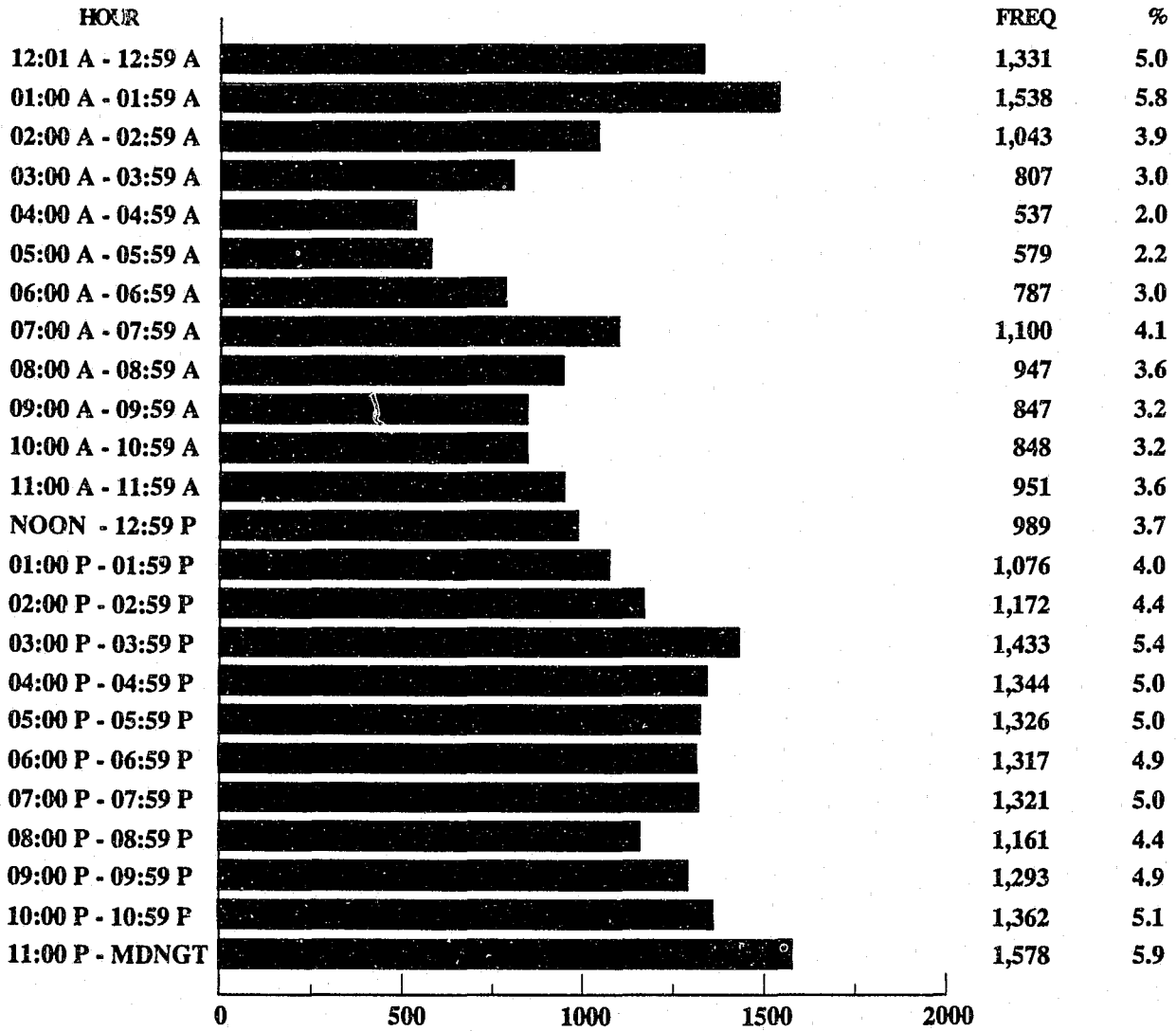
**1993 MISSOURI FIXED OBJECT ACCIDENTS
DAY OF WEEK**



UNKNOWN DATA NOT INCLUDED

FIGURE 3.10.2

1993 MISSOURI FIXED OBJECT ACCIDENTS HOUR OF DAY



UNKNOWN DATA NOT INCLUDED

FIGURE 3.10.3

1993 MISSOURI FIXED OBJECT ACCIDENTS

TYPE OF CIRCUMSTANCE INVOLVED BY ACCIDENT SEVERITY AND PERSON CLASSIFICATION¹

FATAL FIXED OBJECT ACCIDENTS = 271				TOTAL FIXED OBJECT ACCIDENTS = 27,568		
	VEHICLE/DRIVER STRIKING OBJ.	OTHER DRIVER/ VEHICLE/PED.	TOTAL FATAL	VEHICLE/DRIVER STRIKING OBJ.	OTHER DRIVER/ VEHICLE/PED.	TOTAL ACCIDENTS
EXCEEDING SPEED LIMIT / TOO FAST FOR CONDITIONS	57.6	0.0	57.6	39.0	0.2	39.1
IMPROPER PASSING	1.5	0.0	1.5	0.5	0.0	0.5
VIOLATION OF STOP SIGN	2.6	0.0	2.6	1.0	0.0	1.0
WRONG SIDE NOT PASSING	6.3	0.4	6.6	3.5	0.0	3.5
FOLLOWING TOO CLOSE	0.0	0.0	0.0	0.6	0.0	0.6
IMPROPER SIGNAL	0.0	0.0	0.0	0.0	0.0	0.0
IMPROPER BACKING	0.0	0.0	0.0	0.8	0.0	0.8
IMPROPER TURN	0.0	0.0	0.0	1.8	0.0	1.8
IMPROPER LANE USAGE / CHANGE	1.5	0.0	1.5	1.7	0.0	1.7
WRONG WAY ONE-WAY STREET	0.0	0.0	0.0	0.2	0.0	0.2
IMPROPER START FROM PARK	0.0	0.0	0.0	0.2	0.0	0.2
IMPROPERLY PARKED	0.0	0.0	0.0	0.4	0.0	0.4
VEHICLE DEFECTS	1.5	0.0	1.5	4.5	0.0	4.5
FAILED TO YIELD	1.1	0.0	1.1	0.5	0.0	0.5
DRINKING	33.9	0.0	33.9	14.8	0.0	14.8
DRUGS	1.1	0.0	1.1	0.6	0.0	0.6
PHYSICAL IMPAIRMENT	6.6	0.0	6.6	4.3	0.0	4.3
INATTENTION	49.1	0.4	49.4	44.7	0.2	44.8

¹This table identifies the proportion of fixed object accidents having a specific type of circumstance which contributed to the cause of the accident. This table further defines the proportion of accidents 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 accident. For instance, when examining speed involvement in 1993 Missouri fixed object accidents, it was found that the driver of the vehicle striking the fixed object was speeding in 39.0% of the accidents. In 0.2% of the accidents another driver was speeding. In 39.1% of the accidents either the driver of the vehicle striking the fixed object, another driver, or both drivers were speeding.

TABLE 3.10.10

1993 MISSOURI FIXED OBJECT ACCIDENTS¹

TYPE OF VEHICLE STRIKING FIXED OBJECT BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AUTOMOBILE	165	60.9	6,200	66.1	11,318	65.6	17,683	65.7
SPORT UTILITY VEHICLE	16	5.9	430	4.6	717	4.2	1,163	4.3
VAN / SMALL BUS	9	3.3	404	4.3	818	4.7	1,231	4.6
BUS	0	0.0	8	0.1	47	0.3	55	0.2
SCHOOL BUS	0	0.0	12	0.1	39	0.2	51	0.2
MOTORCYCLE	8	3.0	145	1.5	9	0.1	162	0.6
MOPED	0	0.0	2	0.0	4	0.0	6	0.0
MOTORHOME / CAMPER	1	0.4	3	0.0	20	0.1	24	0.1
FARM EQUIPMENT	0	0.0	2	0.0	6	0.0	8	0.0
CONSTRUCTION EQUIPMENT	0	0.0	1	0.0	16	0.1	17	0.1
OTHER TRANSPORT DEVICE	0	0.0	1	0.0	20	0.1	21	0.1
PICK-UP TRUCK	64	23.6	1,862	19.8	2,835	16.4	4,761	17.7
OTHER TRUCKS	7	2.6	306	3.3	1,410	8.2	1,723	6.4
ALL TERRAIN VEHICLE	1	0.4	10	0.1	3	0.0	14	0.1
UNKNOWN	0	-	2	-	649	-	651	-
TOTAL	271	100.0	9,388	100.0	17,911	100.0	27,570	100.0

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

TABLE 3.10.11

VEHICLES STRIKING FIXED OBJECTS IN 1993 MISSOURI ACCIDENTS¹

DRIVER INVOLVEMENT BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRIVERLESS	0	0.0	11	0.1	232	1.3	243	0.9
KNOWN DRIVER INVOLVED	271	100.0	9,308	99.2	15,163	84.7	24,742	89.7
UNKNOWN DRIVER INVOLVED	0	0.0	69	0.7	2,516	14.1	2,585	9.4
TOTAL	271	100.0	9,388	100.0	17,911	100.0	27,570	100.0

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

TABLE 3.10.12

DRIVERS OF VEHICLES STRIKING FIXED OBJECTS IN 1993 MISSOURI ACCIDENTS¹

SEX OF DRIVER BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MALE	211	77.9	6,043	64.9	9,904	69.4	16,158	67.8
FEMALE	60	22.1	3,269	35.1	4,358	30.6	7,687	32.2
UNKNOWN	0	-	65	-	3,417	-	3,482	-
TOTAL	271	100.0	9,377	100.0	17,679	100.0	27,327	100.0

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

TABLE 3.10.13

DRIVERS OF VEHICLES STRIKING FIXED OBJECTS IN 1993 MISSOURI ACCIDENTS¹

AGE OF DRIVER BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AVERAGE AGE OF DRIVER	33.8	-	31.4	-	32.1	-	31.8	-
15 YEARS AND UNDER	1	0.4	88	1.0	147	1.0	236	1.0
16 - 20 YEARS	52	19.3	2,537	27.4	3,651	24.3	6,240	25.4
21 - 25 YEARS	57	21.1	1,619	17.5	2,490	16.6	4,166	17.0
26 - 30 YEARS	26	9.6	1,215	13.1	2,019	13.5	3,260	13.3
31 - 35 YEARS	45	16.7	1,014	10.9	1,800	12.0	2,859	11.6
36 - 40 YEARS	23	8.5	788	8.5	1,409	9.4	2,220	9.0
41 - 45 YEARS	14	5.2	576	6.2	1,050	7.0	1,640	6.7
46 - 50 YEARS	10	3.7	381	4.1	703	4.7	1,094	4.5
51 - 55 YEARS	11	4.1	257	2.8	476	3.2	744	3.0
56 - 60 YEARS	6	2.2	186	2.0	365	2.4	557	2.3
61 - 65 YEARS	8	3.0	165	1.8	269	1.8	442	1.8
66 YEARS AND OVER	17	6.3	440	4.8	637	4.2	1,094	4.5
UNKNOWN	1	-	111	-	2,663	-	2,775	-
TOTAL	271	100.0	9,377	100.0	17,679	100.0	27,327	100.0

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

TABLE 3.10.14

DRIVERS OF VEHICLES STRIKING FIXED OBJECTS IN 1993 MISSOURI ACCIDENTS¹

DRIVER'S LICENSE STATE AND TYPE BY ACCIDENT SEVERITY

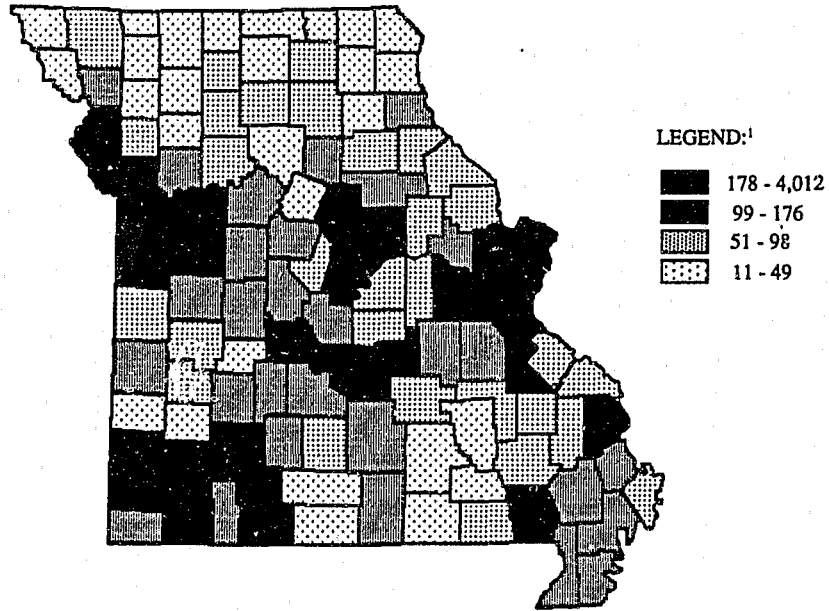
	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MISSOURI								
LEARNER'S PERMIT	0	0.0	47	0.5	73	0.5	120	0.5
FOR HIRE	4	1.5	220	2.5	347	2.6	571	2.5
OPERATOR'S LICENSE	191	72.1	6,961	77.5	9,842	73.1	16,994	74.8
MOTORCYCLE ONLY	0	0.0	0	0.0	1	0.0	1	0.0
COMMERCIAL DRIVER'S LICENSE	15	5.7	318	3.5	846	6.3	1,179	5.2
SUB-TOTAL	210	79.2	7,546	84.1	11,109	82.5	18,865	83.1
OUT STATE								
LEARNER'S PERMIT	0	0.0	3	0.0	6	0.0	9	0.0
FOR HIRE	0	0.0	17	0.2	45	0.3	62	0.3
OPERATOR'S LICENSE	32	12.1	788	8.8	1,397	10.4	2,217	9.8
MOTORCYCLE ONLY	0	0.0	0	0.0	1	0.0	1	0.0
COMMERCIAL DRIVER'S LICENSE	3	1.1	93	1.0	444	3.3	540	2.4
SUB-TOTAL	35	13.2	901	10.0	1,893	14.1	2,829	12.5
UNLICENSED	20	7.6	530	5.9	471	3.5	1,021	4.5
UNKNOWN	6	-	400	-	4,206	-	4,612	-
TOTAL	271	100.0	9,377	100.0	17,679	100.0	27,327	100.0

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

TABLE 3.10.15

1993 FIXED OBJECT INVOLVED ACCIDENTS

COUNTY QUARTILE ANALYSIS



¹ LEGEND CATEGORIES ARE BASED ON QUARTILES OF COUNTIES.

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
1.0	JACKSON	4,012	14.6	18.0	NEWTON	264	1.0
2.0	ST. LOUIS	3,933	14.3	19.0	PHELPS	259	0.9
3.0	ST. LOUIS CITY	2,434	8.8	20.0	TANEY	253	0.9
4.0	JEFFERSON	1,106	4.0	21.0	CALLAWAY	230	0.8
5.0	GREENE	1,038	3.8	22.0	PULASKI	228	0.8
6.0	CLAY	975	3.5	23.0	CAMDEN	217	0.8
7.0	ST. CHARLES	838	3.0	24.0	LAFAYETTE	212	0.8
8.0	FRANKLIN	529	1.9	25.0	BUTLER	211	0.8
9.0	JASPER	455	1.7	26.5	BARRY	191	0.7
10.0	BOONE	454	1.6	26.5	LAWRENCE	191	0.7
11.0	BUCHANAN	439	1.6	28.0	CHRISTIAN	178	0.6
12.0	PLATTE	400	1.5				
13.0	CAPE GIRARDEAU	364	1.3				
14.0	COLE	347	1.3				
15.0	CASS	300	1.1				
16.0	JOHNSON	297	1.1	29.5	PETTIS	176	0.6
17.0	ST. FRANCOIS	280	1.0	29.5	STONE	176	0.6
				31.0	SCOTT	165	0.6

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
32.0	HOWELL	161	0.6	73.5	MACON	67	0.2
33.0	SALINE	157	0.6	75.0	MISSISSIPPI	65	0.2
34.0	MARION	153	0.6	76.0	OSAGE	64	0.2
35.0	LACLEDE	150	0.5	77.0	CARROLL	63	0.2
36.0	MILLER	145	0.5	78.0	LIVINGSTON	62	0.2
37.0	COOPER	142	0.5	80.0	BOLLINGER	60	0.2
38.0	HENRY	141	0.5	80.0	MADISON	60	0.2
40.0	CRAWFORD	134	0.5	80.0	ST. CLAIR	60	0.2
40.0	MC DONALD	134	0.5	82.5	BATES	59	0.2
40.0	RANDOLPH	134	0.5	82.5	MONITEAU	59	0.2
42.0	WEBSTER	131	0.5	84.0	WRIGHT	57	0.2
43.0	VERNON	128	0.5	85.0	RALLS	56	0.2
44.0	POLK	125	0.5	86.0	MARIES	55	0.2
45.5	MORGAN	123	0.4	87.0	MONROE	51	0.2
45.5	PEMISCOTT	123	0.4				
47.0	WASHINGTON	120	0.4				Third Quartile
48.0	DUNKLIN	119	0.4				
49.0	NEW MADRID	117	0.4				Fourth Quartile
50.0	STODDARD	116	0.4	88.0	LEWIS	49	0.2
51.0	WARREN	113	0.4	90.0	CHARITON	48	0.2
52.5	AUDRAIN	112	0.4	90.0	DOUGLAS	48	0.2
52.5	TEXAS	112	0.4	90.0	HOLT	48	0.2
54.0	RAY	110	0.4	92.5	DAVISS	47	0.2
55.0	BENTON	107	0.4	92.5	DE KALB	47	0.2
56.0	ANDREW	103	0.4	94.5	HOWARD	46	0.2
57.0	DALLAS	99	0.4	94.5	OZARK	46	0.2
			Second Quartile	96.0	BARTON	45	0.2
				97.5	HARRISON	39	0.1
			Third Quartile	97.5	OREGON	39	0.1
58.5	PERRY	98	0.4	99.0	ATCHISON	38	0.1
58.5	STE. GENEVIEVE	98	0.4	100.5	CLARK	37	0.1
60.0	MONTGOMERY	97	0.4	100.5	PUTNAM	37	0.1
61.0	CLINTON	87	0.3	102.5	DADE	36	0.1
62.0	GASCONADE	86	0.3	102.5	GENTRY	36	0.1
63.0	ADAIR	83	0.3	104.0	SULLIVAN	35	0.1
64.0	WAYNE	81	0.3	105.0	CALDWELL	33	0.1
65.0	CEDAR	80	0.3	106.0	SCOTLAND	30	0.1
66.0	NODAWAY	77	0.3	107.5	HICKORY	29	0.1
67.0	LINN	76	0.3	107.5	REYNOLDS	29	0.1
68.5	DENT	74	0.3	109.0	SHELBY	27	0.1
68.5	RIPLEY	74	0.3	110.0	MERCER	26	0.1
70.0	PIKE	73	0.3	111.0	KNOX	21	0.1
71.5	IRON	71	0.3	112.0	CARTER	19	0.1
71.5	LINCOLN	71	0.3	113.0	SHANNON	16	0.1
73.5	GRUNDY	67	0.2	114.0	SCHUYLER	14	0.1
				115.0	WORTH	11	0.0

TABLE 3.10.16

1993 FIXED OBJECT INVOLVED ACCIDENTS

CITY LISTING

RANK	CITY	FREQUENCY	PERCENT ¹
1.0	KANSAS CITY	3,349	22.5
2.0	ST. LOUIS	2,434	16.4
3.0	SPRINGFIELD	608	4.1
4.0	INDEPENDENCE	538	3.6
5.0	ST. JOSEPH	339	2.3
6.0	COLUMBIA	246	1.7
7.0	ST. CHARLES	234	1.6
8.0	JEFFERSON CITY	203	1.4
9.0	CAPE GIRARDEAU	198	1.3
10.0	LEE'S SUMMIT	166	1.1
11.0	TOWN AND COUNTRY	165	1.1
12.0	CHESTERFIELD	153	1.0
13.0	JOPLIN	147	1.0
14.0	BLUE SPRINGS	143	1.0
15.0	BRIDGETON	136	0.9
16.0	ST. PETERS	135	0.9
17.0	MARYLAND HEIGHTS	134	0.9
18.0	O'FALLON	108	0.7
19.0	KIRKWOOD	103	0.7
20.0	LIBERTY	102	0.7
21.5	HAZELWOOD	101	0.7
21.5	UNIVERSITY CITY	101	0.7
23.0	RICHMOND HEIGHTS	100	0.7
24.0	BERKELEY	98	0.7
25.5	ARNOLD	92	0.6
25.5	POPLAR BLUFF	92	0.6
27.0	FLORISSANT	91	0.6
28.5	FERGUSON	84	0.6
28.5	RAYTOWN	84	0.6
30.0	WEBSTER GROVES	82	0.6
31.5	GRANDVIEW	80	0.5
31.5	OVERLAND	80	0.5
33.0	HANNIBAL	73	0.5
34.0	EXCELSIOR SPRINGS	71	0.5
35.0	CREVE COEUR	68	0.5
36.0	SUNSET HILLS	67	0.5

¹Percentage is based on fixed object involved accidents which occurred in Missouri municipalities with populations of 1,000 or more. Only those municipalities comprising 0.5% or more of these accidents are listed.

TABLE 3.10.17

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

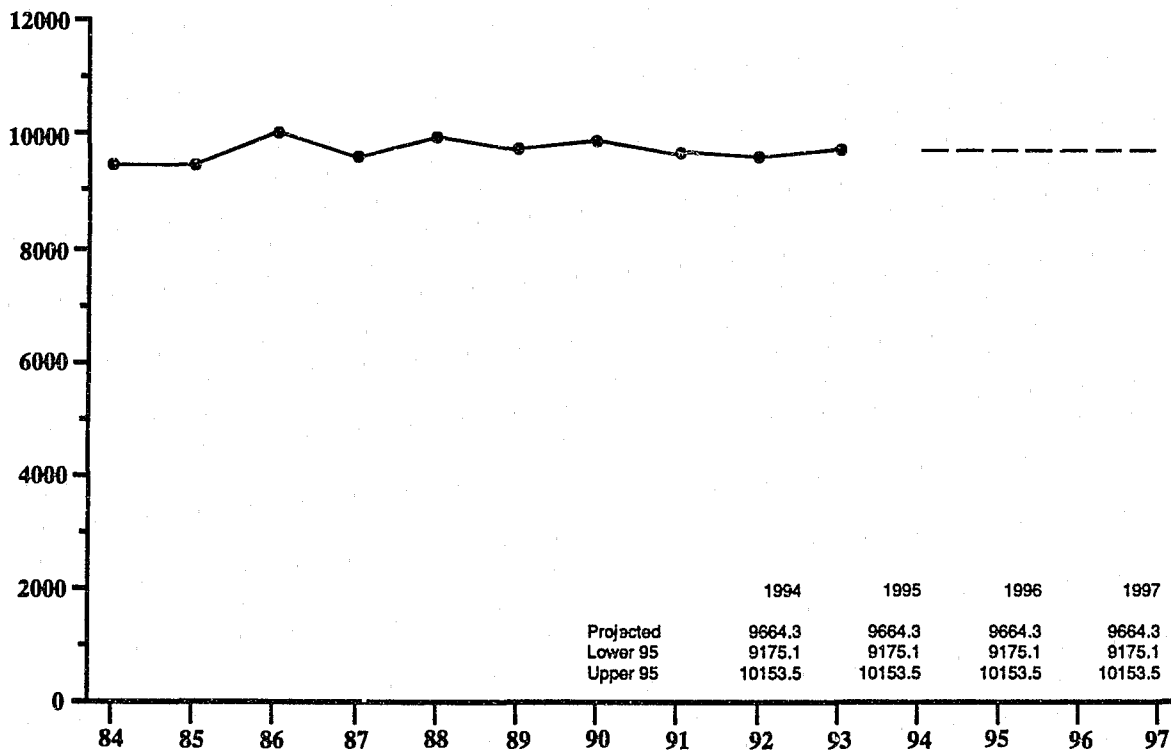


FIGURE 3.10.4

3.11 HAZARDOUS MATERIAL INVOLVEMENT

This section presents a series of data displays which identify hazardous material involvement in Missouri's traffic accident experience. Hazardous material traffic accidents are defined as any accident 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.

1993 SUMMARY ANALYSIS

- Of all 1993 Missouri traffic accidents, 0.1% involved hazardous materials. Of all fatal traffic accidents, 0.4% were hazardous material related. A total of 3 persons were killed and 99 were injured in traffic accidents involving hazardous materials.
- In 1993, one person was killed or injured in hazardous material involved traffic accidents every 3.6 days in the State of Missouri.
- Of all 1993 hazardous material traffic accidents, the first harmful event in 62.3% of the cases involved one motor vehicle in transport striking another motor vehicle in transport. In 16.2% of the cases, the first harmful event was a motor vehicle in transport striking a fixed object and in 14.1% of the incidents, it was a motor vehicle overturning.
- Of all 1993 hazardous material traffic accidents, 32.5% occurred in urban areas and 67.5% in rural areas of the State. All of the fatal accidents occurred in a rural area.
- Of all vehicles carrying hazardous materials involved in traffic accidents, 54.7% were two-unit trucks and 33.9% were single unit trucks.
- Of all vehicles carrying hazardous materials, 11.5% had their materials released as a result of the traffic accident.
- Of the drivers transporting hazardous materials involved in 1993 traffic accidents, 99.0% were male and 1.0% were female. The average age of the driver was 41.9 years.
- Of the drivers, 69.2% had a Missouri driver's license and 30.8% had an out-of-state driver's license.

**1993 MISSOURI TRAFFIC ACCIDENTS
HAZARDOUS MATERIAL INVOLVEMENT**

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	TOTAL NUMBER ¹ KILLED INJURED		DRIVERS/PASSENGERS OF VEHICLES CARRYING HAZARDOUS MATERIALS ² KILLED INJURED	
HAZARDOUS MATERIALS INVOLVED	3	0.4	67	0.1	121	0.1	191	0.1	3	99	1	31
NO HAZARDOUS MATERIALS INVOLVED	840	99.6	48,971	99.9	127,794	99.9	177,605	99.9	946	77,418	-	-
TOTAL	843	100.0	49,038	100.0	127,915	100.0	177,796	100.0	949	77,517	1	31

¹This statistic indicates the total number of persons killed and injured in an accident 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

1992 and 1993 HAZARDOUS MATERIAL INVOLVED ACCIDENT ANALYSIS

	1992	1993	RATE OF CHANGE
FATAL	7	3	-57.1
PERSONAL INJURY	86	67	-22.1
PROPERTY DAMAGE	181	121	-33.1
TOTAL	274	191	-30.3

TABLE 3.11.2

1993 HAZARDOUS MATERIAL INVOLVED ACCIDENTS

ACCIDENT TYPE BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
ANIMAL	0	0.0	0	0.0	1	0.8	1	0.5
BICYCLIST	0	0.0	0	0.0	0	0.0	0	0.0
FIXED OBJECT	0	0.0	6	9.0	25	20.7	31	16.2
OTHER OBJECT	0	0.0	0	0.0	3	2.5	3	1.6
PEDESTRIAN	0	0.0	0	0.0	0	0.0	0	0.0
TRAIN	0	0.0	1	1.5	1	0.8	2	1.1
VEHICLE IN TRANSPORT	2	66.7	44	65.7	73	60.3	119	62.3
VEHICLE ON OTHER ROADWAY	0	0.0	0	0.0	0	0.0	0	0.0
PARKED VEHICLE	0	0.0	1	1.5	2	1.7	3	1.6
NON-COLLISION OVERTURN	1	33.3	13	19.4	13	10.7	27	14.1
NON-COLLISION OTHER	0	0.0	2	3.0	3	2.5	5	2.6
TOTAL	3	100.0	67	100.0	121	100.0	191	100.0

TABLE 3.11.3

1993 HAZARDOUS MATERIAL INVOLVED ACCIDENTS

AREA CLASSIFICATION BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
URBAN	0	0.0	24	35.8	38	31.4	62	32.5
RURAL	3	100.0	43	64.2	83	68.6	129	67.5
TOTAL	3	100.0	67	100.0	121	100.0	191	100.0

TABLE 3.11.4

1993 HAZARDOUS MATERIAL INVOLVED ACCIDENTS

ROAD CURVATURE BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
STRAIGHT	2	66.7	53	79.1	101	84.9	156	82.5
CURVE	1	33.3	14	20.9	18	15.1	33	17.5
UNKNOWN	0	-	0	-	2	-	2	-
TOTAL	3	100.0	67	100.0	121	100.0	191	100.0

TABLE 3.11.5

1993 HAZARDOUS MATERIAL INVOLVED ACCIDENTS

ROAD INCLINE BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
LEVEL	1	33.3	38	57.6	73	61.3	112	59.6
HILL	2	66.7	26	39.4	45	37.8	73	38.8
CREST	0	0.0	2	3.0	1	0.8	3	1.6
UNKNOWN	0	-	1	-	2	-	3	-
TOTAL	3	100.0	67	100.0	121	100.0	191	100.0

TABLE 3.11.6

1993 HAZARDOUS MATERIAL INVOLVED ACCIDENTS

ROAD CONDITIONS BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRY	3	100.0	47	70.2	73	60.8	123	64.7
WET	0	0.0	18	26.9	32	26.7	50	26.3
SNOW	0	0.0	1	1.5	5	4.2	6	3.2
ICE	0	0.0	1	1.5	10	8.3	11	5.8
MUD	0	0.0	0	0.0	0	0.0	0	0.0
UNKNOWN	0	-	0	-	1	-	1	-
TOTAL	3	100.0	67	100.0	121	100.0	191	100.0

TABLE 3.11.7

1993 HAZARDOUS MATERIAL INVOLVED ACCIDENTS

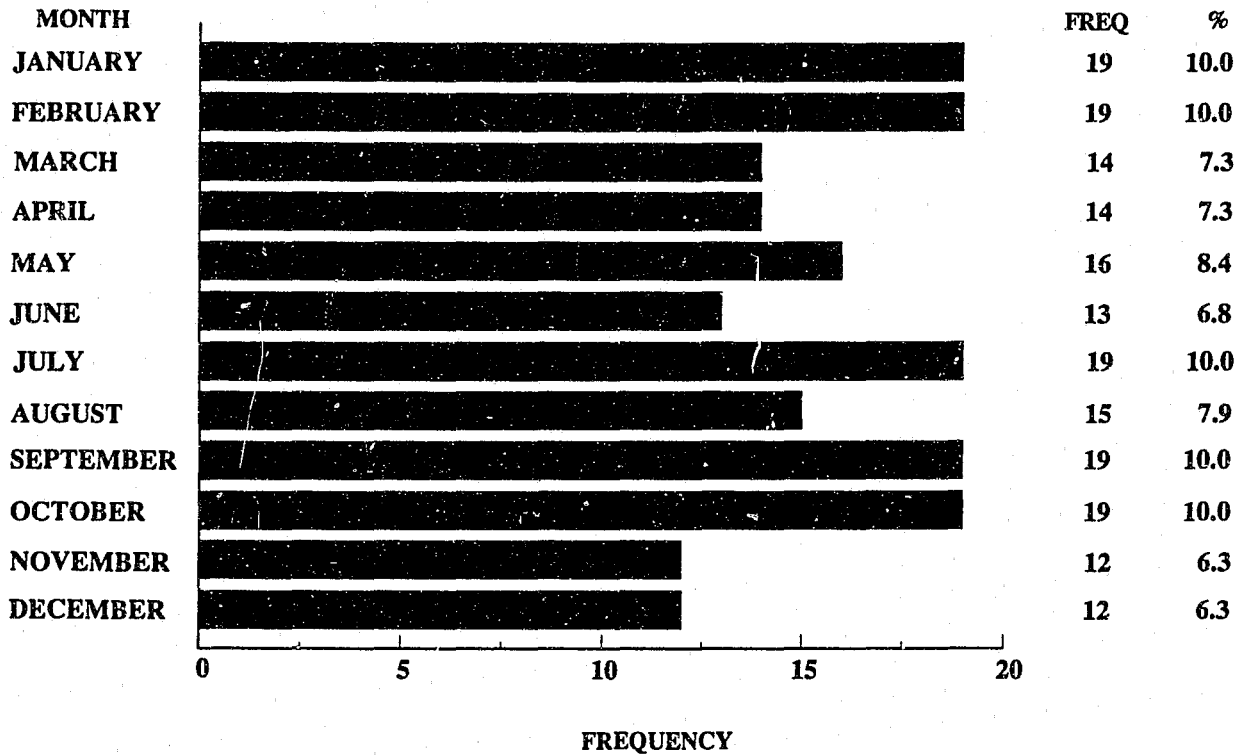
HIGHWAY CLASSIFICATION BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	1	33.3	24	35.8	37	30.6	62	32.5
U.S. HIGHWAY	1	33.3	10	14.9	22	18.2	33	17.3
STATE NUMBERED	0	0.0	10	14.9	29	24.0	39	20.4
SINGLE STATE LETTERED	1	33.3	9	13.4	8	6.6	18	9.4
DOUBLE STATE LETTERED	0	0.0	0	0.0	3	2.5	3	1.6
OUTER ROAD	0	0.0	2	3.0	3	2.5	5	2.6
COUNTY ROAD	0	0.0	4	6.0	4	3.3	8	4.2
CITY STREET	0	0.0	7	10.5	13	10.7	20	10.5
INTERSTATE LOOP	0	0.0	1	1.5	0	0.0	1	0.5
OTHER ¹	0	0.0	0	0.0	2	1.7	2	1.1
TOTAL	3	100.0	67	100.0	121	100.0	191	100.0

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

TABLE 3.11.8

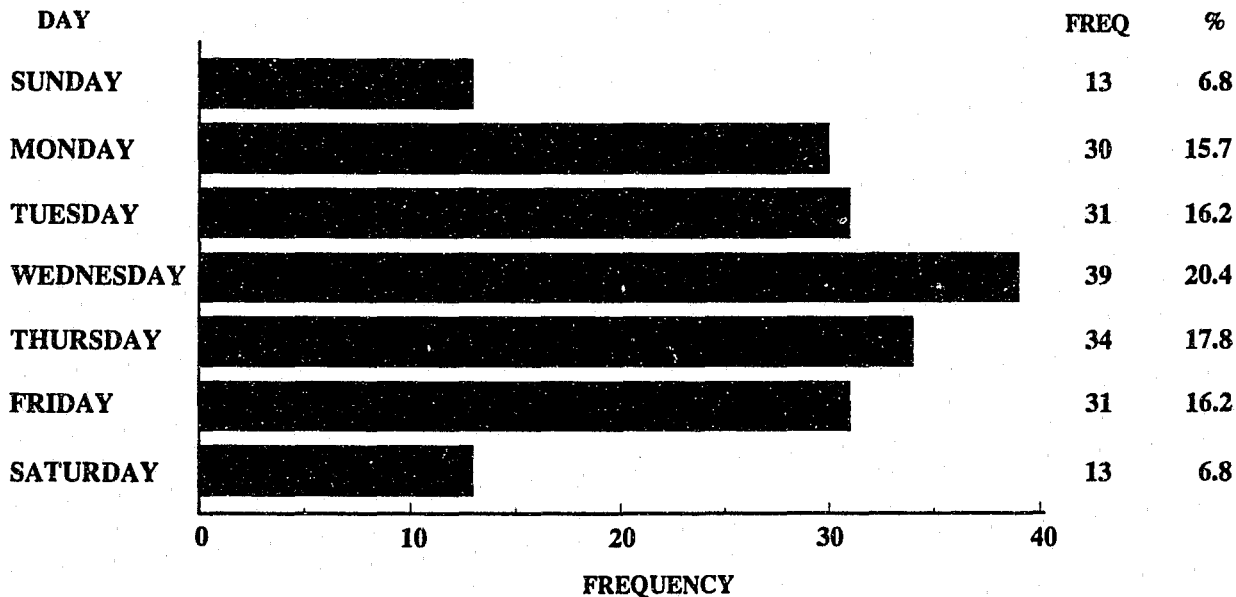
**1993 MISSOURI HAZARDOUS MATERIAL INVOLVED ACCIDENTS
MONTH OF YEAR**



UNKNOWN DATA NOT INCLUDED

FIGURE 3.11.1

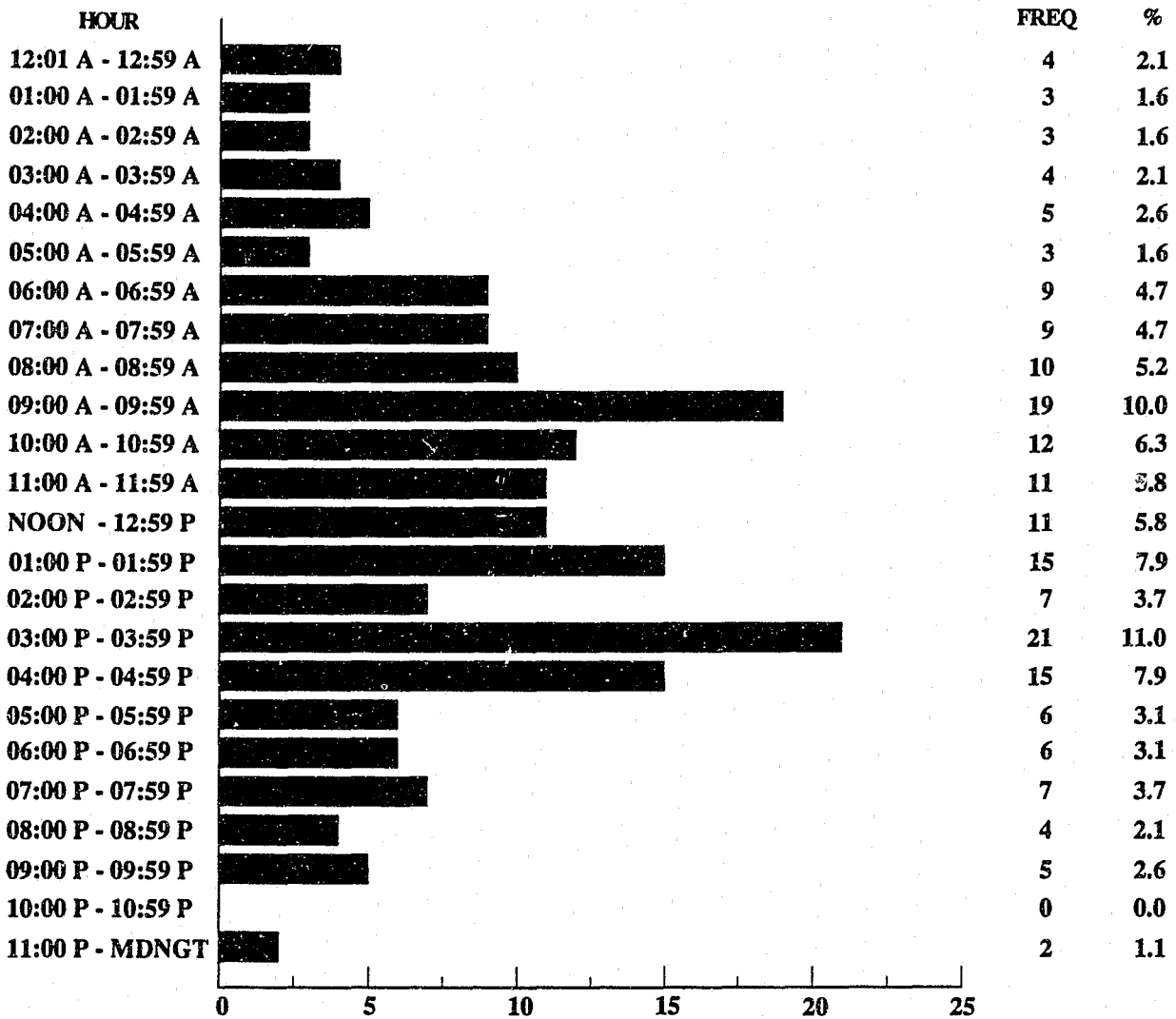
**1993 MISSOURI HAZARDOUS MATERIAL INVOLVED ACCIDENTS
DAY OF WEEK**



UNKNOWN DATA NOT INCLUDED

FIGURE 3.11.2

1993 MISSOURI HAZARDOUS MATERIAL INVOLVED ACCIDENTS HOUR OF DAY



FREQUENCY

UNKNOWN DATA NOT INCLUDED

FIGURE 3.11.3

VEHICLES CARRYING HAZARDOUS MATERIALS INVOLVED IN 1993 MISSOURI ACCIDENTS

TYPE OF VEHICLE BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
OTHER TRANSPORT DEVICE	0	0.0	1	1.5	2	1.7	3	1.6
PICK-UP TRUCK	0	0.0	2	2.9	3	2.5	5	2.6
SINGLE UNIT TRUCK	1	33.3	26	38.2	38	31.4	65	33.9
TWO UNIT TRUCKS	2	66.7	35	51.5	68	56.2	105	54.7
MULTI-UNIT TRUCKS	0	0.0	4	5.9	10	8.3	14	7.3
TOTAL	3	100.0	68	100.0	121	100.0	192	100.0

TABLE 3.11.9

VEHICLES CARRYING HAZARDOUS MATERIALS INVOLVED IN 1993 MISSOURI ACCIDENTS

TYPE OF HAZARDOUS MATERIAL CARRIED BY SPILLAGE AND ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
SPILLED								
GASES IN BULK	1	33.3	1	1.5	1	0.8	3	1.6
SOLIDS IN BULK	0	0.0	2	2.9	0	0.0	2	1.0
LIQUIDS IN BULK	0	0.0	5	7.4	12	9.9	17	8.9
EXPLOSIVES	0	0.0	0	0.0	0	0.0	0	0.0
SUB-TOTAL	1	33.3	8	11.8	13	10.7	22	11.5
NOT SPILLED								
GASES IN BULK	1	33.3	20	29.4	27	22.3	48	25.0
SOLIDS IN BULK	0	0.0	5	7.4	7	5.8	12	6.3
LIQUIDS IN BULK	1	33.3	33	48.5	73	60.3	107	55.7
EXPLOSIVES	0	0.0	2	2.9	1	0.8	3	1.6
SUB-TOTAL	2	66.7	60	88.2	108	89.3	170	88.5
TOTAL	3	100.0	68	100.0	121	100.0	192	100.0

TABLE 3.11.10

1993 MISSOURI HAZARDOUS MATERIAL ACCIDENTS

TYPE OF CIRCUMSTANCE INVOLVED BY ACCIDENT SEVERITY AND PERSON CLASSIFICATION¹

FATAL HAZARDOUS MATERIAL ACCIDENTS = 3				TOTAL HAZARDOUS MATERIAL ACCIDENTS = 191		
	HAZARDOUS MATERIAL DRIVER/VEH.	OTHER DRIVER/VEHICLE/PED.	TOTAL FATAL	HAZARDOUS MATERIAL DRIVER/VEH.	OTHER DRIVER/VEHICLE/PED.	TOTAL ACCIDENTS
EXCEEDING SPEED LIMIT/ TOO FAST FOR CONDITIONS	0.0	0.0	0.0	11.5	6.3	17.8
IMPROPER PASSING	0.0	0.0	0.0	1.0	2.1	3.1
VIOLATION OF STOP SIGN	0.0	0.0	0.0	1.0	1.6	2.6
WRONG SIDE NOT PASSING	33.3	33.3	33.3	1.6	2.6	3.7
FOLLOWING TOO CLOSE	0.0	0.0	0.0	4.7	3.1	7.3
IMPROPER SIGNAL	0.0	0.0	0.0	0.5	0.0	0.5
IMPROPER BACKING	0.0	0.0	0.0	2.1	0.5	2.6
IMPROPER TURN	0.0	0.0	0.0	3.7	2.1	5.8
IMPROPER LANE USAGE / CHANGE	0.0	0.0	0.0	4.2	4.7	8.4
WRONG WAY ONE-WAY STREET	0.0	0.0	0.0	0.0	0.5	0.5
IMPROPER START FROM PARK	0.0	0.0	0.0	0.0	0.0	0.0
IMPROPERLY PARKED	0.0	0.0	0.0	0.5	1.0	1.6
VEHICLE DEFECTS	0.0	0.0	0.0	3.7	1.0	4.7
FAILED TO YIELD	0.0	0.0	0.0	2.1	7.3	9.4
DRINKING	0.0	0.0	0.0	0.0	2.6	2.6
DRUGS	0.0	0.0	0.0	0.0	0.0	0.0
PHYSICAL IMPAIRMENT	0.0	0.0	0.0	1.0	1.6	2.6
INATTENTION	66.7	0.0	66.7	34.0	26.2	55.0

¹This table identifies the percentage of hazardous material accidents having a specific type of circumstance which contributed to the cause of the accident. This table further defines the percentage of accidents 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 accident. For instance, when examining speed involvement in 1993 Missouri hazardous material accidents, it was found that the driver of a vehicle carrying hazardous materials was speeding in 11.5% of the accidents. In 6.3% of the accidents another driver was speeding. In 17.8% of the accidents 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 1993 MISSOURI ACCIDENTS

DRIVER INVOLVEMENT BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRIVERLESS	0	0.0	1	1.5	0	0.0	1	0.5
KNOWN DRIVER INVOLVED	3	100.0	67	98.5	121	100.0	191	99.5
UNKNOWN DRIVER INVOLVED	0	0.0	0	0.0	0	0.0	0	0.0
TOTAL	3	100.0	68	100.0	121	100.0	192	100.0

TABLE 3.11.12

DRIVERS OF VEHICLES CARRYING HAZARDOUS MATERIALS INVOLVED IN 1993 MISSOURI ACCIDENTS

SEX OF DRIVER BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MALE	3	100.0	66	98.5	120	99.2	189	99.0
FEMALE	0	0.0	1	1.5	1	0.8	2	1.0
UNKNOWN	0	-	0	-	0	-	0	-
TOTAL	3	100.0	67	100.0	121	100.0	191	100.0

TABLE 3.11.13

DRIVERS OF VEHICLES CARRYING HAZARDOUS MATERIALS INVOLVED IN 1993 MISSOURI ACCIDENTS

AGE OF DRIVER BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AVERAGE AGE OF DRIVER	51.0	-	41.4	-	42.0	-	41.9	-
15 YEARS AND UNDER	0	0.0	0	0.0	0	0.0	0	0.0
16 - 20 YEARS	0	0.0	0	0.0	0	0.0	0	0.0
21 - 25 YEARS	0	0.0	3	4.5	8	6.6	11	5.8
26 - 30 YEARS	0	0.0	13	19.4	16	13.2	29	15.2
31 - 35 YEARS	0	0.0	9	13.4	8	6.6	17	8.9
36 - 40 YEARS	0	0.0	8	11.9	31	25.6	39	20.4
41 - 45 YEARS	1	33.3	9	13.4	13	10.7	23	12.0
46 - 50 YEARS	1	33.3	8	11.9	15	12.4	24	12.6
51 - 55 YEARS	0	0.0	7	10.5	11	9.1	18	9.4
56 - 60 YEARS	0	0.0	5	7.5	9	7.4	14	7.3
61 - 65 YEARS	1	33.3	5	7.5	9	7.4	15	7.9
66 YEARS AND OVER	0	0.0	0	0.0	1	0.8	1	0.5
UNKNOWN	0	-	0	-	0	-	0	-
TOTAL	3	100.0	67	100.0	121	100.0	191	100.0

TABLE 3.11.14

DRIVERS OF VEHICLES CARRYING HAZARDOUS MATERIALS INVOLVED IN 1993 MISSOURI ACCIDENTS

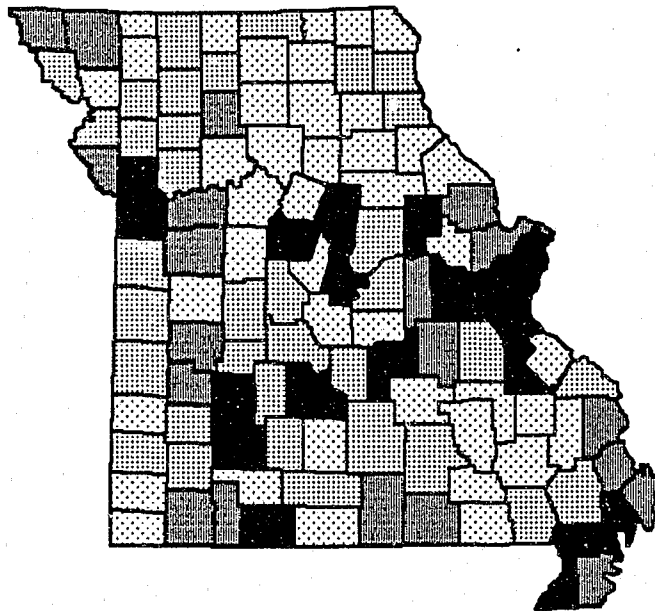
DRIVER'S LICENSE STATE AND TYPE BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MISSOURI								
LEARNER'S PERMIT	0	0.0	0	0.0	0	0.0	0	0.0
FOR HIRE	0	0.0	1	1.5	3	2.6	4	2.2
OPERATOR'S LICENSE	0	0.0	6	9.1	0	0.0	6	3.2
MOTORCYCLE ONLY	0	0.0	1	1.5	0	0.0	1	0.5
COMMERCIAL DRIVER'S LICENSE	3	100.0	38	57.6	76	65.5	117	63.2
SUB-TOTAL	3	100.0	46	69.7	79	68.1	128	69.2
OUT STATE								
LEARNER'S PERMIT	0	0.0	0	0.0	0	0.0	0	0.0
FOR HIRE	0	0.0	0	0.0	1	0.9	1	0.5
OPERATOR'S LICENSE	0	0.0	1	1.5	0	0.0	1	0.5
MOTORCYCLE ONLY	0	0.0	0	0.0	0	0.0	0	0.0
COMMERCIAL DRIVER'S LICENSE	0	0.0	19	28.8	36	31.0	55	29.7
SUB-TOTAL	0	0.0	20	30.3	37	31.9	57	30.8
UNLICENSED	0	0.0	0	0.0	0	0.0	0	0.0
UNKNOWN	0	-	1	-	5	-	6	-
TOTAL	3	100.0	67	100.0	121	100.0	191	100.0

TABLE 3.11.15

1993 HAZARDOUS MATERIAL INVOLVED ACCIDENTS

COUNTY QUARTILE ANALYSIS



LEGEND:¹

- 3 - 27
- TWO
- ONE
- ZERO

¹LEGEND CATEGORIES ARE BASED ON QUARTILES OF COUNTIES.

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
1.0	ST. LOUIS	27	14.1	16.5	ST. FRANCOIS	3	1.6
2.0	ST. LOUIS CITY	17	8.9	First Quartile			
3.0	GREENE	8	4.2	Second Quartile			
4.0	BOONE	7	3.7	28.5	ATCHISON	2	1.0
5.5	CLAY	6	3.1	28.5	BARRY	2	1.0
5.5	LACLEDE	6	3.1	28.5	CAPE GIRARDEAU	2	1.0
7.0	NEW MADRID	5	2.6	28.5	CEDAR	2	1.0
11.0	COLE	4	2.1	28.5	CRAWFORD	2	1.0
11.0	FRANKLIN	4	2.1	28.5	GASCONADE	2	1.0
11.0	JACKSON	4	2.1	28.5	HOWELL	2	1.0
11.0	JEFFERSON	4	2.1	28.5	JOHNSON	2	1.0
11.0	MONTGOMERY	4	2.1	28.5	LAFAYETTE	2	1.0
11.0	PHELPS	4	2.1	28.5	LINCOLN	2	1.0
11.0	TANEY	4	2.1	28.5	LIVINGSTON	2	1.0
16.5	COOPER	3	1.6	28.5	MISSISSIPPI	2	1.0
16.5	DUNKLIN	3	1.6	28.5	NODAWAY	2	1.0
16.5	POLK	3	1.6				

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
28.5	OREGON	2	1.0				
28.5	PEMISCOTT	2	1.0				
28.5	PLATTE	2	1.0				
28.5	ST. CHARLES	2	1.0				
28.5	ST. CLAIR	2	1.0				
28.5	SCOTT	2	1.0				
28.5	STONE	2	1.0				
Second Quartile							
Third Quartile							
56.0	BATES	1	0.5	94.5	ADAIR	0	0.0
56.0	BENTON	1	0.5	94.5	ANDREW	0	0.0
56.0	BUCHANAN	1	0.5	94.5	AUDRAIN	0	0.0
56.0	BUTLER	1	0.5	94.5	BARTON	0	0.0
56.0	CALDWELL	1	0.5	94.5	BOLLINGER	0	0.0
56.0	CALLAWAY	1	0.5	94.5	CARROLL	0	0.0
56.0	CAMDEN	1	0.5	94.5	CARTER	0	0.0
56.0	CASS	1	0.5	94.5	CHARITON	0	0.0
56.0	CLINTON	1	0.5	94.5	CHRISTIAN	0	0.0
56.0	DADE	1	0.5	94.5	CLARK	0	0.0
56.0	DALLAS	1	0.5	94.5	DENT	0	0.0
56.0	DAVISS	1	0.5	94.5	GENTRY	0	0.0
56.0	DE KALB	1	0.5	94.5	HENRY	0	0.0
56.0	DOUGLAS	1	0.5	94.5	HOWARD	0	0.0
56.0	GRUNDY	1	0.5	94.5	IRON	0	0.0
56.0	HARRISON	1	0.5	94.5	LINN	0	0.0
56.0	HICKORY	1	0.5	94.5	MC DONALD	0	0.0
56.0	HOLT	1	0.5	94.5	MACON	0	0.0
56.0	JASPER	1	0.5	94.5	MADISON	0	0.0
56.0	KNOX	1	0.5	94.5	MARIES	0	0.0
56.0	LAWRENCE	1	0.5	94.5	MERCER	0	0.0
56.0	LEWIS	1	0.5	94.5	MILLER	0	0.0
56.0	MARION	1	0.5	94.5	MONITEAU	0	0.0
56.0	MORGAN	1	0.5	94.5	MONROE	0	0.0
56.0	OSAGE	1	0.5	94.5	NEWTON	0	0.0
56.0	PERRY	1	0.5	94.5	OZARK	0	0.0
56.0	PULASKI	1	0.5	94.5	PETTIS	0	0.0
56.0	PUTNAM	1	0.5	94.5	PIKE	0	0.0
56.0	RAY	1	0.5	94.5	RALLS	0	0.0
56.0	SHANNON	1	0.5	94.5	RANDOLPH	0	0.0
56.0	STODDARD	1	0.5	94.5	REYNOLDS	0	0.0
56.0	TEXAS	1	0.5	94.5	RIPLEY	0	0.0
56.0	VERNON	1	0.5	94.5	STE. GENEVIEVE	0	0.0
56.0	WASHINGTON	1	0.5	94.5	SALINE	0	0.0
56.0	WEBSTER	1	0.5	94.5	SCHUYLER	0	0.0
Third Quartile				94.5	SCOTLAND	0	0.0
				94.5	SHELBY	0	0.0
				94.5	SULLIVAN	0	0.0
				94.5	WARREN	0	0.0
				94.5	WAYNE	0	0.0
				94.5	WORTH	0	0.0
				94.5	WRIGHT	0	0.0

TABLE 3.11.16

1993 HAZARDOUS MATERIAL INVOLVED ACCIDENTS

CITY LISTING

RANK	CITY	FREQUENCY	PERCENT¹
1.0	ST. LOUIS	17	22.1
2.0	SPRINGFIELD	6	7.8
3.0	KANSAS CITY	4	5.2
4.5	JEFFERSON CITY	3	3.9
4.5	MARYLAND HEIGHTS	3	3.9
10.0	BERKELEY	2	2.6
10.0	BRIDGETON	2	2.6
10.0	COLUMBIA	2	2.6
10.0	COOL VALLEY	2	2.6
10.0	FENTON	2	2.6
10.0	LEBANON	2	2.6
10.0	MALDEN	2	2.6
10.0	NORTH KANSAS CITY	2	2.6
10.0	SUNSET HILLS	2	2.6
27.5	ARNOLD	1	1.3
27.5	BELLEFONTAINE NEIGHBORS	1	1.3
27.5	BLUE SPRINGS	1	1.3
27.5	BOLIVAR	1	1.3
27.5	CAMERON	1	1.3
27.5	CHILLICOTHE	1	1.3
27.5	DES PERES	1	1.3
27.5	EDINA	1	1.3
27.5	FLORISSANT	1	1.3
27.5	KEARNEY	1	1.3
27.5	LEE'S SUMMIT	1	1.3
27.5	MARYVILLE	1	1.3
27.5	MINER	1	1.3
27.5	MONETT	1	1.3
27.5	NEW HAVEN	1	1.3
27.5	NORMANDY	1	1.3
27.5	O'FALLON	1	1.3
27.5	OVERLAND	1	1.3
27.5	RAYTOWN	1	1.3
27.5	ROLLA	1	1.3
27.5	ST. CHARLES	1	1.3
27.5	ST. JOSEPH	1	1.3
27.5	SIKESTON	1	1.3
27.5	TRENTON	1	1.3
27.5	UNION	1	1.3
27.5	VALLEY PARK	1	1.3

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

TABLE 3.11.17

3.12 CONSTRUCTION ZONE INVOLVEMENT

This section presents a series of data displays which identify construction zone involvement in Missouri's traffic accident experience. Construction zone accidents are defined as any traffic accident where one or more of the traffic controls associated with the incident was a construction zone. Data displays are provided which not only describe characteristics of the incidents but also of all vehicles and drivers directly associated with the traffic accidents.

1993 SUMMARY ANALYSIS

- Of all 1993 Missouri traffic accidents, 0.8% involved construction zones. Of all fatal traffic accidents, 1.3% were construction zone related. A total of 15 persons were killed and 640 were injured in traffic accidents involving construction zones.
- There was a decrease of 11.2% in the rate of change when comparing all 1993 construction zone related traffic accident activity with that occurring in 1992.
- In 1993, one person was killed or injured in construction zone involved traffic accidents every 13.4 hours in the State of Missouri.
- Of all 1993 construction zone traffic accidents, the first harmful event in 67.8% of the cases involved one motor vehicle in transport striking another motor vehicle in transport. In 18.0% of the cases, the first harmful event was a motor vehicle in transport striking a fixed object. In fatal construction zone accidents, 27.3% involved a fixed object.
- Of all 1993 construction zone traffic accidents, 42.0% occurred in urban areas and 58.0% in rural areas of the State.
- Of all 1993 construction zone traffic accidents, 47.3% occurred on an interstate highway.
- Of all vehicles involved in construction zone traffic accidents, 59.5% were automobiles and 15.6% were pick-up trucks.
- Of the drivers involved in 1993 construction zone related traffic accidents, 67.6% were male and 32.4% were female. The average age of the driver was 37.9 years.
- Of the drivers, 80.4% had a Missouri driver's license, 18.3% had an out-of-state driver's license, and 1.3% were unlicensed at the time of the accident.

**1993 MISSOURI TRAFFIC ACCIDENTS
CONSTRUCTION ZONE INVOLVEMENT**

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	TOTAL NUMBER¹ KILLED INJURED	
CONSTRUCTION ZONE INVOLVED	11	1.3	417	0.9	906	0.7	1,334	0.8	15	640
NO CONSTRUCTION ZONE INVOLVED	832	98.7	48,621	99.1	127,009	99.3	176,462	99.2	934	76,877
TOTAL	843	100.0	49,038	100.0	127,915	100.0	177,796	100.0	949	77,517

¹This statistic indicates the total number of persons killed and injured in an accident where a construction zone was involved.

TABLE 3.12.1

1991 and 1993 CONSTRUCTION ZONE INVOLVED ACCIDENT ANALYSIS

	1992	1993	RATE OF CHANGE
FATAL	12	11	- 8.3
PERSONAL INJURY	406	417	+ 2.7
PROPERTY DAMAGE	1,084	906	- 16.4
TOTAL	1,502	1,334	- 11.2

TABLE 3.12.2

1993 CONSTRUCTION ZONE INVOLVED ACCIDENTS

ACCIDENT TYPE BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
ANIMAL	0	0.0	0	0.0	7	0.8	7	0.5
BICYCLIST	0	0.0	1	0.2	1	0.1	2	0.2
FIXED OBJECT	3	27.3	79	18.9	158	17.4	240	18.0
OTHER OBJECT	0	0.0	18	4.3	48	5.3	66	5.0
PEDESTRIAN	0	0.0	11	2.6	0	0.0	11	0.8
TRAIN	0	0.0	0	0.0	1	0.1	1	0.1
VEHICLE IN TRANSPORT	6	54.6	274	65.7	624	68.9	904	67.8
VEHICLE ON OTHER ROADWAY	0	0.0	1	0.2	5	0.6	6	0.5
PARKED VEHICLE	1	9.1	5	1.2	22	2.4	28	2.1
NON-COLLISION OVERTURN	0	0.0	26	6.2	12	1.3	38	2.9
NON-COLLISION OTHER	1	9.1	2	0.5	28	3.1	31	2.3
TOTAL	11	100.0	417	100.0	906	100.0	1,334	100.0

TABLE 3.12.3

1993 CONSTRUCTION ZONE INVOLVED ACCIDENTS

AREA CLASSIFICATION BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
URBAN	1	9.1	158	37.9	401	44.3	560	42.0
RURAL	10	90.9	259	62.1	505	55.7	774	58.0
TOTAL	11	100.0	417	100.0	906	100.0	1,334	100.0

TABLE 3.12.4

1993 CONSTRUCTION ZONE INVOLVED ACCIDENTS

ROAD CURVATURE BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
STRAIGHT	7	63.6	356	85.6	726	84.3	1,089	84.6
CURVE	4	36.4	60	14.4	135	15.7	199	15.4
UNKNOWN	0	-	1	-	45	-	46	-
TOTAL	11	100.0	417	100.0	906	100.0	1,334	100.0

TABLE 3.12.5

1993 CONSTRUCTION ZONE INVOLVED ACCIDENTS

ROAD INCLINE BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
LEVEL	5	45.5	280	67.5	575	66.9	860	66.9
HILL	6	54.5	129	31.1	274	31.9	409	31.8
CREST	0	0.0	6	1.5	11	1.3	17	1.3
UNKNOWN	0	-	2	-	46	-	48	-
TOTAL	11	100.0	417	100.0	906	100.0	1,334	100.0

TABLE 3.12.6

1993 CONSTRUCTION ZONE INVOLVED ACCIDENTS

ROAD CONDITIONS BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRY	11	100.0	336	80.8	730	80.8	1,077	80.9
WET	0	0.0	71	17.1	158	17.5	229	17.2
SNOW	0	0.0	1	0.2	4	0.4	5	0.4
ICE	0	0.0	6	1.4	10	1.1	16	1.2
MUD	0	0.0	2	0.5	2	0.2	4	0.3
UNKNOWN	0	-	1	-	2	-	3	-
TOTAL	11	100.0	417	100.0	906	100.0	1,334	100.0

TABLE 3.12.7

1993 CONSTRUCTION ZONE INVOLVED ACCIDENTS

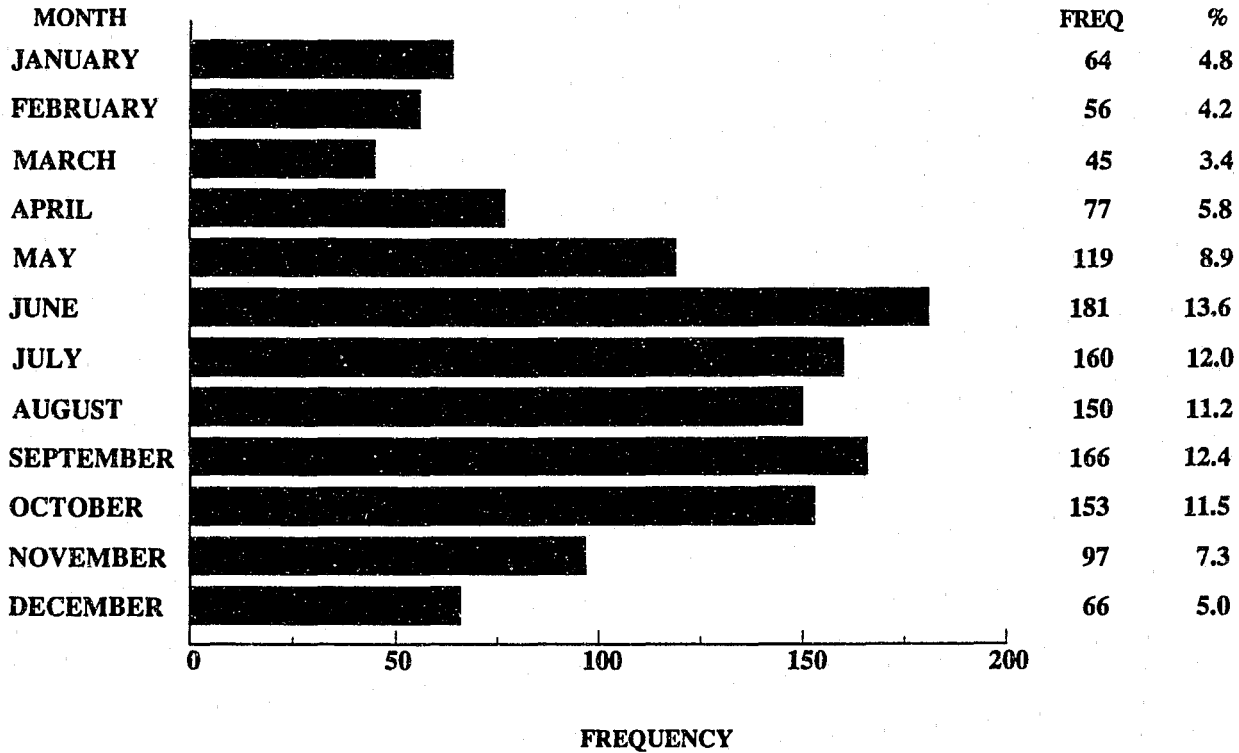
HIGHWAY CLASSIFICATION BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	4	36.4	189	45.3	438	48.3	631	47.3
U.S. HIGHWAY	4	36.4	103	24.7	183	20.2	290	21.7
STATE NUMBERED	3	27.3	65	15.6	135	14.9	203	15.2
SINGLE STATE LETTERED	0	0.0	13	3.1	25	2.8	38	2.9
DOUBLE STATE LETTERED	0	0.0	3	0.7	8	0.9	11	0.8
OUTER ROAD	0	0.0	1	0.2	1	0.1	2	0.2
COUNTY ROAD	0	0.0	13	3.1	23	2.5	36	2.7
CITY STREET	0	0.0	24	5.8	86	9.5	110	8.3
INTERSTATE LOOP	0	0.0	0	0.0	2	0.2	2	0.2
OTHER ¹	0	0.0	6	1.4	5	0.6	11	0.8
TOTAL	11	100.0	417	100.0	906	100.0	1,334	100.0

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

TABLE 3.12.8

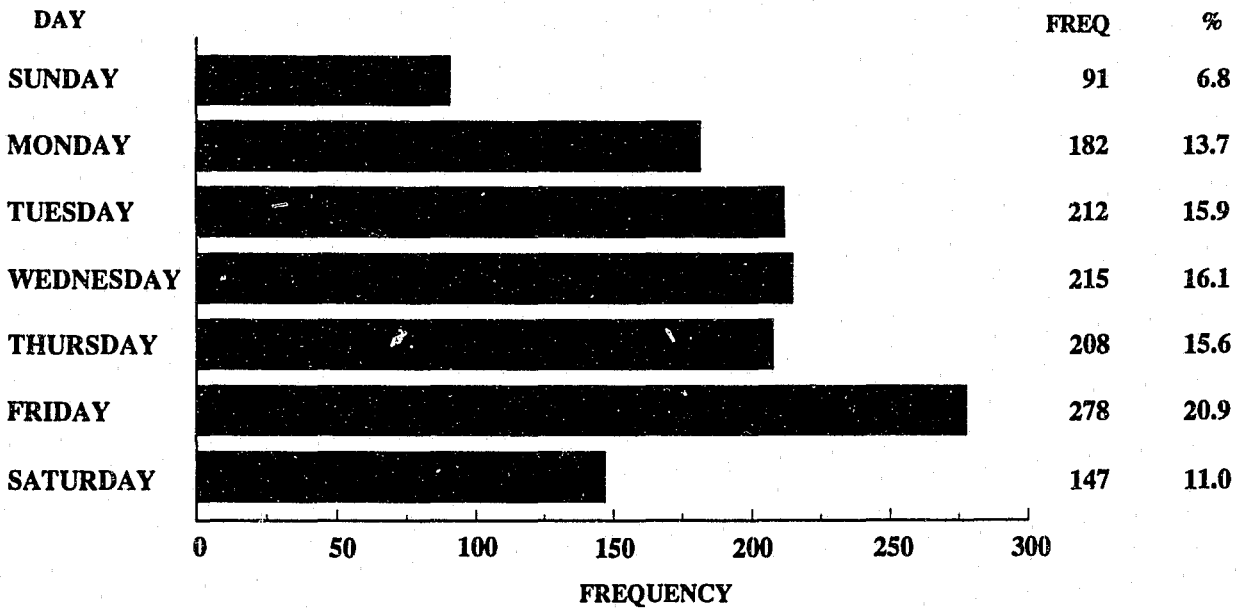
**1993 MISSOURI CONSTRUCTION ZONE INVOLVED ACCIDENTS
MONTH OF YEAR**



UNKNOWN DATA NOT INCLUDED

FIGURE 3.12.1

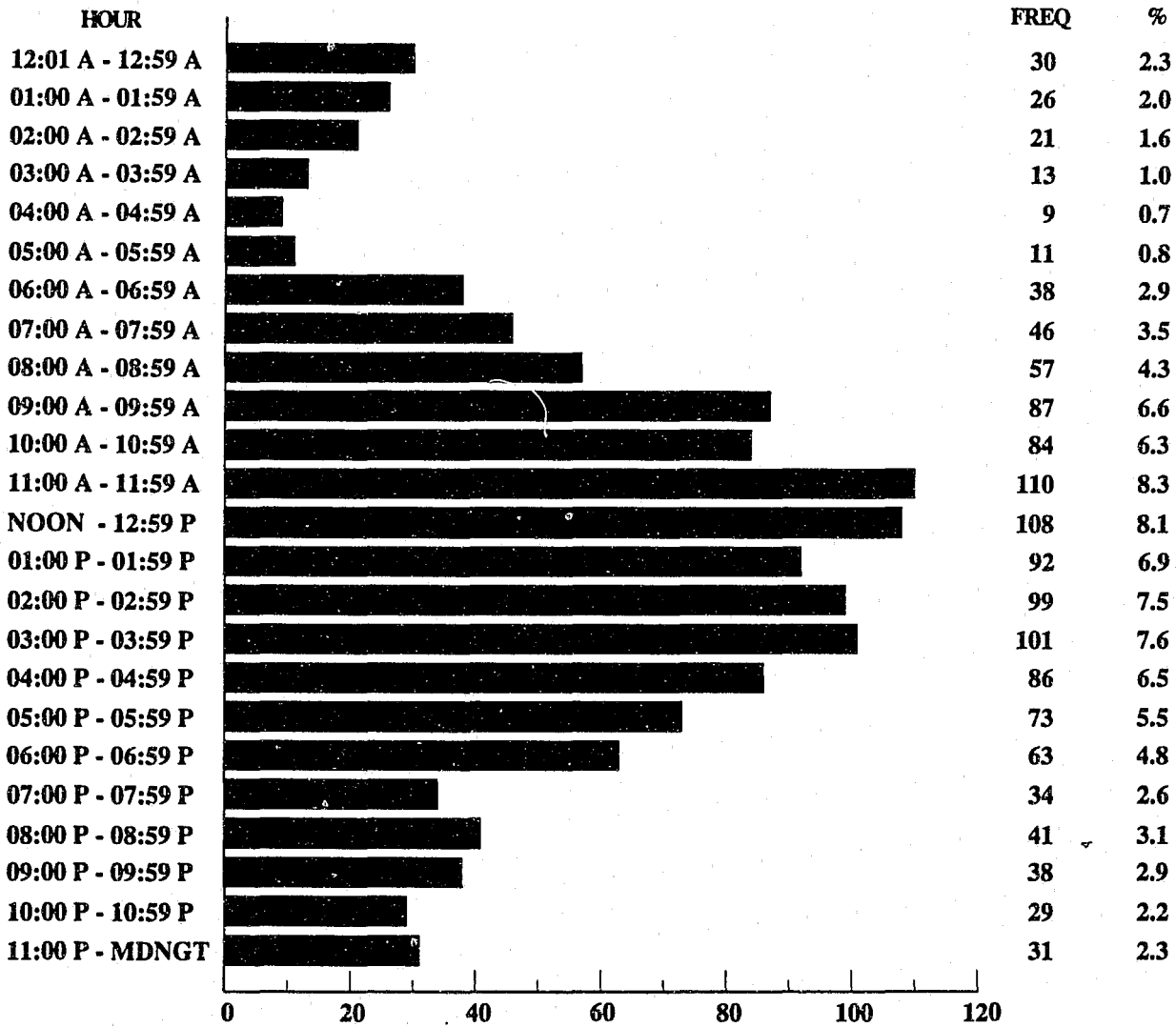
**1993 MISSOURI CONSTRUCTION ZONE INVOLVED ACCIDENTS
DAY OF WEEK**



UNKNOWN DATA NOT INCLUDED

FIGURE 3.12.2

**1993 MISSOURI CONSTRUCTION ZONE INVOLVED ACCIDENTS
HOUR OF DAY**



FREQUENCY

UNKNOWN DATA NOT INCLUDED

FIGURE 3.12.3

VEHICLES INVOLVED IN 1993 MISSOURI CONSTRUCTION ZONE ACCIDENTS

TYPE OF VEHICLE BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AUTOMOBILE	13	61.9	509	60.4	1,007	59.0	1,529	59.5
SPORT UTILITY VEHICLE	0	0.0	43	5.1	78	4.6	121	4.7
VAN / SMALL BUS	0	0.0	42	5.0	98	5.7	140	5.5
BUS	0	0.0	2	0.2	5	0.3	7	0.3
SCHOOL BUS	0	0.0	1	0.1	2	0.1	3	0.1
MOTORCYCLE	0	0.0	11	1.3	1	0.1	12	0.5
MOPED	0	0.0	0	0.0	0	0.0	0	0.0
BICYCLE	0	0.0	1	0.1	1	0.1	2	0.1
MOTORHOME / CAMPER	0	0.0	4	0.5	2	0.1	6	0.2
FARM EQUIPMENT	0	0.0	1	0.1	0	0.0	1	0.0
CONSTRUCTION EQUIPMENT	0	0.0	4	0.5	17	1.0	21	0.8
OTHER TRANSPORT DEVICE	0	0.0	1	0.1	1	0.1	2	0.1
PICK-UP TRUCK	5	23.8	136	16.1	261	15.3	402	15.6
OTHER TRUCKS	3	14.3	88	10.4	233	13.7	324	12.6
ALL TERRAIN VEHICLE	0	0.0	0	0.0	0	0.0	0	0.0
VEHICLE TYPE UNKNOWN	0	-	3	-	10	-	13	-
TOTAL	21	100.0	846	100.0	1,716	100.0	2,583	100.0

TABLE 3.12.9

1993 MISSOURI CONSTRUCTION ZONE ACCIDENTS
TYPE OF CIRCUMSTANCE INVOLVED BY ACCIDENT SEVERITY¹

FATAL CONSTRUCTION ZONE ACCIDENTS = 11		TOTAL CONSTRUCTION ZONE ACCIDENTS = 1,334
EXCEEDING SPEED LIMIT / TOO FAST FOR CONDITIONS	36.4	23.4
IMPROPER PASSING	0.0	1.6
VIOLATION OF STOP SIGN	0.0	1.1
WRONG SIDE NOT PASSING	18.2	1.6
FOLLOWING TOO CLOSE	18.2	17.7
IMPROPER SIGNAL	0.0	0.1
IMPROPER BACKING	0.0	1.4
IMPROPER TURN	0.0	1.4
IMPROPER LANE USAGE / CHANGE	0.0	7.9
WRONG WAY ONE-WAY STREET	0.0	0.1
IMPROPER START FROM PARK	0.0	0.1
IMPROPERLY PARKED	0.0	0.9
VEHICLE DEFECTS	0.0	3.6
FAILED TO YIELD	0.0	8.7
DRINKING	18.2	5.5
DRUGS	0.0	0.1
PHYSICAL IMPAIRMENT	9.1	1.9
INATTENTION	63.6	59.4

¹This table identifies the percentage of construction zone accidents having a specific type of circumstance which contributed to the cause of the accident. For instance, when examining speed involvement in 1993 Missouri fatal construction zone accidents, it was found that in 36.4% of the accidents one or more drivers were speeding. In all construction zone traffic accidents, 23.4% had one or more drivers who were speeding.

TABLE 3.12.10

VEHICLES INVOLVED IN 1993 MISSOURI CONSTRUCTION ZONE ACCIDENTS

DRIVER INVOLVEMENT BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRIVERLESS	1	4.8	9	1.1	29	1.7	39	1.5
KNOWN DRIVER INVOLVED	20	95.2	820	96.9	1,628	94.9	2,468	95.6
UNKNOWN DRIVER INVOLVED	0	0.0	17	2.0	59	3.4	76	2.9
TOTAL	21	100.0	846	100.0	1,716	100.0	2,583	100.0

TABLE 3.12.11

DRIVERS OF VEHICLES INVOLVED IN 1993 MISSOURI CONSTRUCTION ZONE ACCIDENTS

SEX OF DRIVER BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MALE	15	75.0	537	65.6	1,074	68.6	1,626	67.6
FEMALE	5	25.0	282	34.4	492	31.4	779	32.4
UNKNOWN	0	-	18	-	121	-	139	-
TOTAL	20	100.0	837	100.0	1,687	100.0	2,544	100.0

TABLE 3.12.12

DRIVERS OF VEHICLES INVOLVED IN 1993 MISSOURI CONSTRUCTION ZONE ACCIDENTS

AGE OF DRIVER BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AVERAGE AGE OF DRIVER	47.5	-	36.8	-	38.3	-	37.9	-
15 YEARS AND UNDER	0	0.0	2	0.2	3	0.2	5	0.2
16 - 20 YEARS	2	10.0	119	14.6	196	12.2	317	12.9
21 - 25 YEARS	1	5.0	120	14.7	215	13.4	336	13.7
26 - 30 YEARS	1	5.0	103	12.6	201	12.5	305	12.5
31 - 35 YEARS	3	15.0	92	11.3	203	12.6	298	12.2
36 - 40 YEARS	3	15.0	102	12.5	170	10.6	275	11.2
41 - 45 YEARS	2	10.0	65	8.0	152	9.4	219	8.9
46 - 50 YEARS	0	0.0	55	6.7	130	8.1	185	7.6
51 - 55 YEARS	0	0.0	38	4.7	96	6.0	134	5.5
56 - 60 YEARS	2	10.0	38	4.7	57	3.5	97	4.0
61 - 65 YEARS	1	5.0	30	3.7	65	4.0	96	3.9
66 YEARS AND OVER	5	25.0	54	6.6	123	7.6	182	7.4
UNKNOWN	0	-	19	-	76	-	95	-
TOTAL	20	100.0	837	100.0	1,687	100.0	2,544	100.0

TABLE 3.12.13

DRIVERS OF VEHICLES INVOLVED IN 1993 MISSOURI CONSTRUCTION ZONE ACCIDENTS

DRIVER'S LICENSE STATE AND TYPE BY ACCIDENT SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MISSOURI								
LEARNER'S PERMIT	0	0.0	0	0.0	3	0.2	3	0.1
FOR HIRE	1	5.0	30	3.8	60	4.0	91	3.9
OPERATOR'S LICENSE	11	55.0	551	68.9	1,011	67.1	1,573	67.6
MOTORCYCLE ONLY	0	0.0	0	0.0	1	0.1	1	0.0
COMMERCIAL DRIVER'S LICENSE	2	10.0	59	7.4	142	9.4	203	8.7
SUB-TOTAL	14	70.0	640	80.0	1,217	80.8	1,871	80.4
OUT STATE								
LEARNER'S PERMIT	0	0.0	0	0.0	2	0.1	2	0.1
FOR HIRE	0	0.0	0	0.0	7	0.5	7	0.3
OPERATOR'S LICENSE	4	20.0	112	14.0	190	12.6	306	13.2
MOTORCYCLE ONLY	0	0.0	0	0.0	0	0.0	0	0.0
COMMERCIAL DRIVER'S LICENSE	0	0.0	32	4.0	79	5.2	111	4.8
SUB-TOTAL	4	20.0	144	18.0	278	18.4	426	18.3
UNLICENSED	2	10.0	16	2.0	12	0.8	30	1.3
UNKNOWN	0	-	37	-	180	-	217	-
TOTAL	20	100.0	837	100.0	1,687	100.0	2,544	100.0

TABLE 3.12.14

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
33.5	BENTON	6	0.4	76.5	HARRISON	1	0.1
33.5	GASCONADE	6	0.4	76.5	HICKORY	1	0.1
33.5	HOWELL	6	0.4	76.5	IRON	1	0.1
33.5	LACLEDE	6	0.4	76.5	JOHNSON	1	0.1
38.0	CARROLL	5	0.4	76.5	MACON	1	0.1
38.0	CARTER	5	0.4	76.5	MERCER	1	0.1
38.0	HOLT	5	0.4	76.5	MISSISSIPPI	1	0.1
38.0	LAWRENCE	5	0.4	76.5	MONITEAU	1	0.1
38.0	STODDARD	5	0.4	76.5	OREGON	1	0.1
42.5	CRAWFORD	4	0.3	76.5	SHANNON	1	0.1
42.5	PETTIS	4	0.3	76.5	STONE	1	0.1
42.5	PHELPS	4	0.3	76.5	SULLIVAN	1	0.1
42.5	TANEY	4	0.3	76.5	TEXAS	1	0.1
48.0	HENRY	3	0.2	76.5	WEBSTER	1	0.1
48.0	LAFAYETTE	3	0.2	76.5	WRIGHT	1	0.1
48.0	MONROE	3	0.2				
48.0	PIKE	3	0.2				
48.0	RANDOLPH	3	0.2				
48.0	ST. CLAIR	3	0.2				
48.0	WASHINGTON	3	0.2				
58.0	ADAIR	2	0.1	102.0	AUDRAIN	0	0.0
58.0	CALDWELL	2	0.1	102.0	BARTON	0	0.0
58.0	CLINTON	2	0.1	102.0	BOLLINGER	0	0.0
58.0	LINCOLN	2	0.1	102.0	CHRISTIAN	0	0.0
58.0	LIVINGSTON	2	0.1	102.0	DADE	0	0.0
58.0	MC DONALD	2	0.1	102.0	DE KALB	0	0.0
58.0	MONTGOMERY	2	0.1	102.0	DOUGLAS	0	0.0
58.0	MORGAN	2	0.1	102.0	GENTRY	0	0.0
58.0	OSAGE	2	0.1	102.0	GRUNDY	0	0.0
58.0	RALLS	2	0.1	102.0	HOWARD	0	0.0
58.0	RAY	2	0.1	102.0	KNOX	0	0.0
58.0	STE. GENEVIEVE	2	0.1	102.0	LEWIS	0	0.0
58.0	WARREN	2	0.1	102.0	LINN	0	0.0
				102.0	MADISON	0	0.0
				102.0	MARIES	0	0.0
				102.0	MILLER	0	0.0
				102.0	OZARK	0	0.0
				102.0	PERRY	0	0.0
				102.0	PUTNAM	0	0.0
				102.0	REYNOLDS	0	0.0
				102.0	RIPLEY	0	0.0
				102.0	ST. FRANCOIS	0	0.0
				102.0	SCHUYLER	0	0.0
				102.0	SCOTLAND	0	0.0
				102.0	SHELBY	0	0.0
				102.0	WAYNE	0	0.0
				102.0	WORTH	0	0.0

Second Quartile

Third Quartile

Third Quartile

Fourth Quartile

TABLE 3.12.15

1993 CONSTRUCTION ZONE INVOLVED ACCIDENTS

CITY LISTING

RANK	CITY	FREQUENCY	PERCENT ¹
1.0	SUNSET HILLS	142	18.1
2.0	TOWN AND COUNTRY	107	13.6
3.0	KANSAS CITY	38	4.8
4.0	INDEPENDENCE	37	4.7
5.0	CHESTERFIELD	35	4.5
6.0	ST. LOUIS	28	3.6
7.0	FLORISSANT	23	2.9
8.5	OSAGE BEACH	22	2.8
8.5	ST. CHARLES	22	2.8
10.0	POPLAR BLUFF	19	2.4
11.0	BRIDGETON	16	2.0
12.0	ELLISVILLE	15	1.9
14.0	ARNOLD	14	1.8
14.0	JEFFERSON CITY	14	1.8
14.0	LEE'S SUMMIT	14	1.8
17.0	BLUE SPRINGS	11	1.4
17.0	FENTON	11	1.4
17.0	ST. PETERS	11	1.4
19.5	COLUMBIA	10	1.3
19.5	SIKESTON	10	1.3
22.5	CAPE GIRARDEAU	9	1.1
22.5	O'FALLON	9	1.1
22.5	ST. JOSEPH	9	1.1
22.5	SPRINGFIELD	9	1.1

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

TABLE 3.12.16

**MISSOURI FATAL AND PERSONAL INJURY CONSTRUCTION ZONE ACCIDENTS
ANNUAL TIME SERIES**

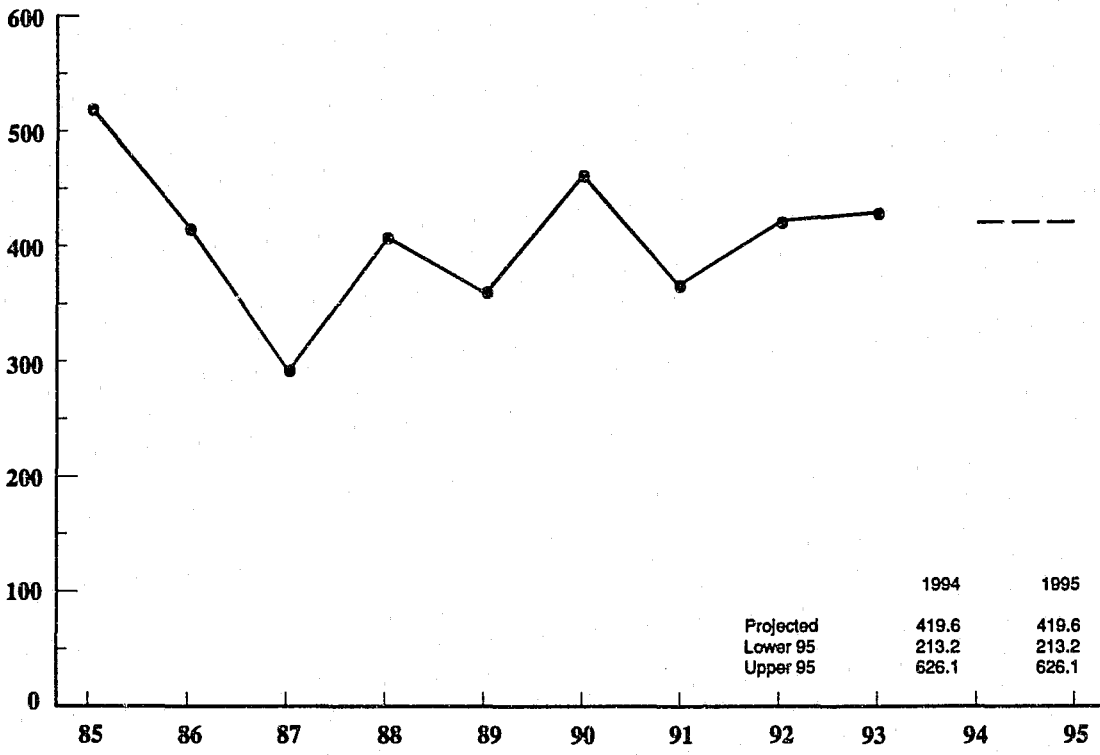


FIGURE 3.12.4

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 accidents. 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. However, in the case of passengers, data were only available for those injured in the traffic accident. Injured passenger seat belt usage rates are not indicative of seat belt usage rates of all passengers involved in traffic accidents.

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 1993 traffic accidents are somewhat less than the findings in this section would indicate. These limiting factors should be taken into consideration when viewing these statistics.

1993 SUMMARY ANALYSIS

- Of the drivers of automobiles, trucks, vans, and motor homes killed in 1993 Missouri traffic accidents, 26.5% were wearing seat belts: Of the passengers killed in these types of vehicles, 26.4% wore their seat belt. For drivers involved in traffic accidents not killed or injured, 84.9% were wearing their seat belt at the time of the accident.
- A driver involved in a 1993 Missouri traffic accident had a 1 in 4 chance of being injured if they were not wearing their seat belt. However, if they were wearing a seat belt their chances of being injured in the accident were 1 in 7. When examining driver deaths, the differences are much more dramatic. A driver involved in a 1993 Missouri traffic accident had a 1 in 123 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 1,615.
- Of those drivers totally ejected from their vehicle 14.2% were wearing their seat belts. Of those partially ejected 28.5% were wearing seat belts and of those not ejected 82.4% were wearing seat belts.
- Of Missouri licensed drivers involved in 1993 traffic accidents, 81.7% were wearing seat belts compared to 89.1% of drivers licensed in other states. Only 55.0% of unlicensed drivers were wearing seat belts at the time of the accident.

1993 MISSOURI TRAFFIC ACCIDENTS

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

PERSONAL INJURY SEVERITY BY SEAT BELT USAGE

	WEARING		NOT WEARING		UNKNOWN	TOTAL	
KILLED							
DRIVER	127		353		76	556	
ROW %	26.5		73.5		-	100.0	
PASSENGER	57		159		33	249	
ROW %	26.4		73.6		-	100.0	
MAJOR DISABLING INJURY							
DRIVER	2,568		2,381		744	5,693	
ROW %	51.9		48.1		-	100.0	
PASSENGER	1,123		1,627		324	3,074	
ROW %	40.8		59.2		-	100.0	
EVIDENT INJURY							
DRIVER	9,800		5,682		1,803	17,285	
ROW %	63.3		36.7		-	100.0	
PASSENGER	4,431		4,558		989	9,978	
ROW %	49.3		50.7		-	100.0	
PROBABLE INJURY							
DRIVER	17,222		3,737		2,025	22,984	
ROW %	82.2		17.8		-	100.0	
PASSENGER	8,395		3,592		1,396	13,383	
ROW %	70.0		30.0		-	100.0	
NOT INJURED							
DRIVER	175,396		31,164		30,829	237,389	
ROW %	84.9		15.1		-	100.0	
PASSENGER ¹	-		-		-	-	
INJURY UNKNOWN							
DRIVER	694		226		15,080	16,000	
ROW %	75.4		24.6		-	100.0	
PASSENGER ¹	-		-		-	-	

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

TABLE 3.13.1

1993 MISSOURI TRAFFIC ACCIDENTS

DRIVERS OF AUTOMOBILES, TRUCKS, VANS, AND MOTOR HOMES

AREA CLASSIFICATION BY SEAT BELT USAGE

	WEARING		NOT WEARING		UNKNOWN	TOTAL	
URBAN ROW %	142,663	86.0	23,322	14.0	40,066	206,051	100.0
RURAL ROW %	63,144	75.7	20,221	24.3	10,491	93,856	100.0
TOTAL ROW %	205,807	82.5	43,543	17.5	50,557	299,907	100.0

TABLE 3.13.2

1993 MISSOURI TRAFFIC ACCIDENTS

DRIVERS OF AUTOMOBILES, TRUCKS, VANS, AND MOTOR HOMES

WEATHER CONDITIONS BY SEAT BELT USAGE

	WEARING		NOT WEARING		UNKNOWN	TOTAL	
CLEAR ROW %	92,395	81.1	21,592	18.9	25,214	139,201	100.0
CLOUDY ROW %	55,623	81.9	12,308	18.1	12,531	80,462	100.0
RAIN ROW %	29,856	85.4	5,108	14.6	7,252	42,216	100.0
SNOW ROW %	5,767	85.8	952	14.2	1,667	8,386	100.0
SLEET ROW %	1,051	86.5	164	13.5	439	1,654	100.0
FREEZING ROW %	2,346	83.9	449	16.1	686	3,481	100.0
FOG OR MIST ROW %	2,757	78.5	754	21.5	585	4,096	100.0
UNKNOWN ROW %	16,012	87.8	2,216	12.2	2,183	20,411	100.0
TOTAL ROW %	205,807	82.5	43,543	17.5	50,557	299,907	100.0

TABLE 3.13.3

1993 MISSOURI TRAFFIC ACCIDENTS

DRIVERS OF AUTOMOBILES, TRUCKS, VANS, AND MOTOR HOMES

HIGHWAY CLASSIFICATION BY SEAT BELT USAGE

	WEARING		NOT WEARING		UNKNOWN	TOTAL	
INTERSTATE ROW %	26,370	90.4	2,816	9.6	6,292	-	35,478 100.0
U.S. HIGHWAY ROW %	25,421	81.0	5,963	19.0	3,733	-	35,117 100.0
STATE NUMBERED ROW %	35,911	80.6	8,650	19.4	4,797	-	49,358 100.0
SINGLE STATE LETTERED ROW %	8,852	73.6	3,173	26.4	1,474	-	13,499 100.0
DOUBLE STATE LETTERED ROW %	4,248	77.8	1,209	22.2	496	-	5,953 100.0
OUTER ROAD ROW %	2,462	84.1	467	15.9	268	-	3,197 100.0
COUNTY ROAD ROW %	16,725	79.2	4,394	20.8	3,518	-	24,637 100.0
CITY STREET ROW %	79,516	84.1	15,052	15.9	28,870	-	123,438 100.0
INTERSTATE LOOP ROW %	1,561	80.4	380	19.6	125	-	2,066 100.0
OTHER ¹ ROW %	4,741	76.7	1,439	23.3	984	-	7,164 100.0
TOTAL ROW %	205,807	82.5	43,543	17.5	50,557	-	299,907 100.0

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

TABLE 3.13.4

1993 MISSOURI TRAFFIC ACCIDENTS
DRIVERS OF AUTOMOBILES, TRUCKS, VANS, AND MOTOR HOMES
MONTH OF YEAR BY SEAT BELT USAGE

	WEARING		NOT WEARING		UNKNOWN	TOTAL	
JANUARY	15,288		3,289		3,923	22,500	
ROW %	82.3		17.7		-	100.0	
FEBRUARY	15,057		3,145		3,961	22,163	
ROW %	82.7		17.3		-	100.0	
MARCH	14,967		3,164		3,951	22,082	
ROW %	82.6		17.4		-	100.0	
APRIL	16,369		3,510		3,892	23,771	
ROW %	82.3		17.7		-	100.0	
MAY	17,727		3,907		4,189	25,823	
ROW %	81.9		18.1		-	100.0	
JUNE	17,453		3,657		4,151	25,261	
ROW %	82.7		17.3		-	100.0	
JULY	18,139		3,936		4,402	26,477	
ROW %	82.2		17.8		-	100.0	
AUGUST	17,355		3,826		4,248	25,429	
ROW %	81.9		18.1		-	100.0	
SEPTEMBER	18,048		3,807		4,328	26,183	
ROW %	82.6		17.4		-	100.0	
OCTOBER	18,769		3,950		4,463	27,182	
ROW %	82.6		17.4		-	100.0	
NOVEMBER	19,370		3,721		4,755	27,846	
ROW %	83.9		16.1		-	100.0	
DECEMBER	17,265		3,631		4,294	25,190	
ROW %	82.6		17.4		-	100.0	
TOTAL	205,807		43,543		50,557	299,907	
ROW %	82.5		17.5		-	100.0	

TABLE 3.13.5

1993 MISSOURI TRAFFIC ACCIDENTS
DRIVERS OF AUTOMOBILES, TRUCKS, VANS, AND MOTOR HOMES
DAY OF WEEK BY SEAT BELT USAGE

	WEARING		NOT WEARING		UNKNOWN	TOTAL	
SUNDAY ROW %	16,299	79.5	4,193	20.5	4,570	-	25,062 100.0
MONDAY ROW %	30,309	83.5	5,993	16.5	7,167	-	43,469 100.0
TUESDAY ROW %	29,743	83.7	5,798	16.3	6,836	-	42,377 100.0
WEDNESDAY ROW %	31,000	83.8	6,002	16.2	7,294	-	44,296 100.0
THURSDAY ROW %	31,522	83.2	6,382	16.8	7,707	-	45,611 100.0
FRIDAY ROW %	39,101	82.5	8,309	17.5	9,305	-	56,715 100.0
SATURDAY ROW %	27,737	80.2	6,847	19.8	7,557	-	42,141 100.0
UNKNOWN ROW %	96	83.5	19	16.5	121	-	236 100.0
TOTAL ROW %	205,807	82.5	43,543	17.5	50,557	-	299,907 100.0

TABLE 3.13.6

1993 MISSOURI TRAFFIC ACCIDENTS
DRIVERS OF AUTOMOBILES, TRUCKS, VANS, AND MOTOR HOMES
HOUR OF DAY BY SEAT BELT USAGE

	WEARING		NOT WEARING		UNKNOWN	TOTAL	
12:01A - 02:59A ROW %	6,405	70.5	2,679	29.5	3,659	-	12,743 100.0
03:00A - 05:59A ROW %	3,259	74.5	1,115	25.5	1,314	-	5,688 100.0
06:00A - 08:59A ROW %	25,161	84.6	4,595	15.4	5,315	-	35,071 100.0
09:00A - 11:59A ROW %	29,302	83.3	5,875	16.7	5,847	-	41,024 100.0
NOON - 02:59P ROW %	42,173	83.7	8,192	16.3	8,553	-	58,918 100.0
03:00P - 05:59P ROW %	57,052	83.8	11,027	16.2	12,190	-	80,269 100.0
06:00P - 08:59P ROW %	26,767	82.4	5,709	17.6	7,131	-	39,607 100.0
09:00P - MIDNGT ROW %	14,765	78.2	4,123	21.8	5,550	-	24,438 100.0
UNKNOWN ROW %	923	80.2	228	19.8	998	-	2,149 100.0
TOTAL ROW %	205,807	82.5	43,543	17.5	50,557	-	299,907 100.0

TABLE 3.13.7

1993 MISSOURI TRAFFIC ACCIDENTS
DRIVERS OF AUTOMOBILES, TRUCKS, VANS, AND MOTOR HOMES
SEX OF DRIVER BY SEAT BELT USAGE

	WEARING		NOT WEARING		UNKNOWN	TOTAL	
MALE ROW %	109,531	79.1	28,917	20.9	23,029	-	161,477 100.0
FEMALE ROW %	81,629	86.6	12,676	13.4	12,545	-	106,850 100.0
UNKNOWN ROW %	14,647	88.3	1,950	11.7	14,983	-	31,580 100.0
TOTAL ROW %	205,807	82.5	43,543	17.5	50,557	-	299,907 100.0

TABLE 3.13.8

1993 MISSOURI TRAFFIC ACCIDENTS
DRIVERS OF AUTOMOBILES, TRUCKS, VANS, AND MOTOR HOMES
DRIVER EJECTION BY SEAT BELT USAGE

	WEARING		NOT WEARING		UNKNOWN	TOTAL	
TOTAL EJECTION ROW %	96	14.2	580	85.8	68	-	744 100.0
PARTIAL EJECTION ROW %	95	28.5	238	71.5	44	-	377 100.0
NO EJECTION ROW %	190,794	82.4	40,656	17.6	34,960	-	266,410 100.0
UNKNOWN ROW %	14,822	87.8	2,069	12.2	15,485	-	32,376 100.0
TOTAL ROW %	205,807	82.5	43,543	17.5	50,557	-	299,907 100.0

TABLE 3.13.9

1993 MISSOURI TRAFFIC ACCIDENTS
DRIVERS OF AUTOMOBILES, TRUCKS, VANS, AND MOTOR HOMES
AGE OF DRIVER BY SEAT BELT USAGE

	WEARING		NOT WEARING		UNKNOWN		TOTAL	
AVERAGE AGE OF DRIVER	36.9	-	34.1	-	36.3	-	36.4	-
15 YEARS AND UNDER	348		247		107		702	
<i>ROW %</i>		58.5		41.5		-		100.0
16 - 20 YEARS	32,641		10,265		4,656		47,562	
<i>ROW %</i>		76.1		23.9		-		100.0
21 - 25 YEARS	28,283		6,913		4,509		39,705	
<i>ROW %</i>		80.4		19.6		-		100.0
26 - 30 YEARS	26,186		5,349		4,157		35,692	
<i>ROW %</i>		83.0		17.0		-		100.0
31 - 35 YEARS	25,165		4,897		3,801		33,863	
<i>ROW %</i>		83.7		16.3		-		100.0
36 - 40 YEARS	21,462		3,616		3,253		28,331	
<i>ROW %</i>		85.6		14.4		-		100.0
41 - 45 YEARS	17,319		2,672		2,504		22,495	
<i>ROW %</i>		86.6		13.4		-		100.0
46 - 50 YEARS	12,863		2,111		1,790		16,764	
<i>ROW %</i>		85.9		14.1		-		100.0
51 - 55 YEARS	9,714		1,602		1,375		12,691	
<i>ROW %</i>		85.8		14.2		-		100.0
56 - 60 YEARS	7,832		1,333		1,061		10,226	
<i>ROW %</i>		85.5		14.5		-		100.0
61 - 65 YEARS	6,615		1,120		924		8,659	
<i>ROW %</i>		85.5		14.5		-		100.0
66 YEARS AND OVER	15,997		3,128		2,159		21,284	
<i>ROW %</i>		83.6		16.4		-		100.0
UNKNOWN	1,382		290		20,261		21,933	
<i>ROW %</i>		82.7		17.3		-		100.0
TOTAL	205,807		43,543		50,557		299,907	
<i>ROW %</i>		82.5		17.5		-		100.0

TABLE 3.13.10

1993 MISSOURI TRAFFIC ACCIDENTS
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	602		124		113		839	
ROW %	82.9		17.1		-		100.0	
FOR HIRE	5,259		1,621		629		7,509	
ROW %	76.4		23.6		-		100.0	
OPERATOR'S LICENSE	144,805		31,320		22,000		198,125	
ROW %	82.2		17.8		-		100.0	
MOTORCYCLE ONLY	18		4		2		24	
ROW %	81.8		18.2		-		100.0	
COMMERCIAL DRIVER'S LICENSE	7,691		2,468		1,278		11,437	
ROW %	75.7		24.3		-		100.0	
SUB-TOTAL	158,375		35,537		24,022		217,934	
ROW %	81.7		18.3		-		100.0	
OUT STATE								
LEARNER'S PERMIT	51		9		12		72	
ROW %	85.0		15.0		-		100.0	
FOR HIRE	279		49		47		375	
ROW %	85.1		14.9		-		100.0	
OPERATOR'S LICENSE	18,936		2,301		2,802		24,039	
ROW %	89.2		10.8		-		100.0	
MOTORCYCLE ONLY	2		2		1		5	
ROW %	50.0		50.0		-		100.0	
COMMERCIAL DRIVER'S LICENSE	2,739		322		410		3,471	
ROW %	89.5		10.5		-		100.0	
SUB-TOTAL	22,007		2,683		3,272		27,962	
ROW %	89.1		10.9		-		100.0	
UNLICENSED	1,826		1,494		924		4,244	
ROW %	55.0		45.0		-		100.0	
UNKNOWN	23,599		3,829		22,339		49,767	
ROW %	86.0		14.0		-		100.0	
TOTAL	205,807		43,543		50,557		299,907	
ROW %	82.5		17.5		-		100.0	

TABLE 3.13.11

1993 MISSOURI TRAFFIC ACCIDENTS

DRIVERS OF AUTOMOBILES, TRUCKS, VANS, AND MOTOR HOMES

TYPE OF VEHICLE DRIVEN BY SEAT BELT USAGE

	WEARING		NOT WEARING		UNKNOWN	TOTAL	
AUTOMOBILE ROW %	148,946	86.6	22,988	13.4	35,297	-	207,231 100.0
SPORT UTILITY VEHICLE ROW %	8,654	84.9	1,544	15.1	1,683	-	11,881 100.0
VAN ROW %	13,219	87.9	1,826	12.1	2,691	-	17,736 100.0
MOTOR HOME / CAMPER ROW %	147	82.1	32	17.9	47	-	226 100.0
TRUCK ROW %	34,841	67.0	17,153	33.0	10,839	-	62,833 100.0
TOTAL ROW %	205,807	82.5	43,543	17.5	50,557	-	299,907 100.0

TABLE 3.13.12

1993 MISSOURI TRAFFIC ACCIDENTS

DRIVERS OF AUTOMOBILES, TRUCKS, VANS, AND MOTOR HOMES

DRIVER INTOXICATION BY SEAT BELT USAGE

	WEARING		NOT WEARING		UNKNOWN	TOTAL	
DRINKING ROW %	2,885	43.3	3,785	56.7	2,389	-	9,059 100.0
DRUGS ROW %	77	53.5	67	46.5	63	-	207 100.0
DRINKING AND DRUGS ROW %	42	28.6	105	71.4	92	-	239 100.0
NO DRINKING / DRUGS ROW %	197,606	83.6	38,780	16.4	44,377	-	280,763 100.0
UNKNOWN ROW %	5,197	86.6	806	13.4	3,636	-	9,639 100.0
TOTAL ROW %	205,807	82.5	43,543	17.5	50,557	-	299,907 100.0

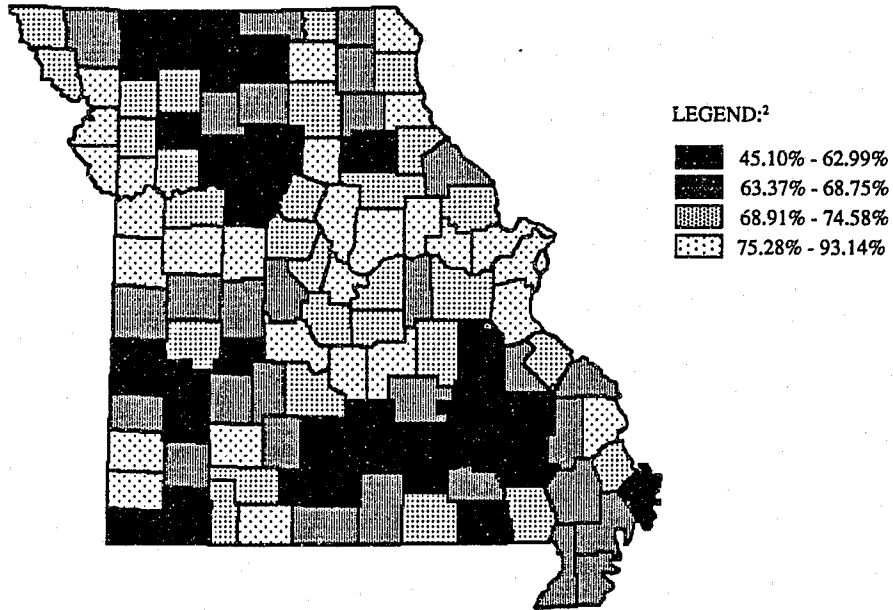
TABLE 3.13.13

1993 MISSOURI TRAFFIC ACCIDENTS

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	CARROLL	45.10	18.0	BARRY	61.29
2.0	WRIGHT	51.68	19.0	MISSISSIPPI	61.57
3.0	MERCER	52.13	20.0	HARRISON	61.72
4.0	SHANNON	54.47	21.0	SULLIVAN	61.94
5.0	WAYNE	56.57	22.0	MC DONALD	62.16
6.0	MADISON	57.56	23.0	MONROE	62.40
7.0	CHARITON	57.87	24.0	GRUNDY	62.70
8.0	DOUGLAS	58.22	25.0	VERNON	62.72
9.0	RIPLEY	58.31	26.0	IRON	62.87
10.0	TEXAS	58.44	27.0	WASHINGTON	62.96
11.0	WORTH	58.54	28.0	HICKORY	62.99
12.0	REYNOLDS	58.59			First Quartile
13.0	CEDAR	59.18			
14.0	DADE	59.78			Second Quartile
15.0	CALDWELL	59.90	29.0	DALLAS	63.37
16.0	SALINE	59.96	30.0	LIVINGSTON	63.62
17.0	GENTRY	60.39	31.0	BATES	63.82

RANK	COUNTY	DRIVER USAGE RATE
32.0	OZARK	64.13
33.0	BOLLINGER	64.29
34.0	PERRY	64.40
35.0	BENTON	65.05
36.0	BARTON	65.23
37.0	PEMISCOTT	65.28
38.0	DENT	65.34
39.0	NEW MADRID	65.84
40.0	HENRY	65.91
41.0	LAWRENCE	65.97
42.0	SCOTLAND	66.17
43.0	CARTER	66.27
44.0	WEBSTER	66.37
45.0	DUNKLIN	66.45
46.0	PIKE	67.17
47.0	NODAWAY	67.18
48.0	POLK	67.38
49.0	PUTNAM	67.44
50.0	ST. FRANCOIS	67.76
51.0	MORGAN	67.77
52.0	HOWELL	68.15
53.0	SHELBY	68.18
54.0	LINN	68.33
55.0	STODDARD	68.55
56.0	GASCONADE	68.61
57.0	KNOX	68.75

Second Quartile

Third Quartile		
58.0	LEWIS	68.91
59.0	CRAWFORD	68.94
60.0	RAY	68.98
61.0	MACON	69.01
62.0	MILLER	69.05
63.0	RALLS	69.17
64.0	ST. CLAIR	69.36
65.0	DAVISS	69.63
66.0	STE. GENEVIEVE	69.81
67.0	OREGON	69.83
68.0	DE KALB	70.10
69.0	HOWARD	70.33
70.0	CHRISTIAN	70.34
71.0	HOLT	70.37
72.0	STONE	70.54
73.0	OSAGE	70.69

RANK	COUNTY	DRIVER USAGE RATE
74.0	BUTLER	70.89
75.0	CLINTON	71.08
76.0	COOPER	71.53
77.0	LINCOLN	71.55
78.0	LAFAYETTE	71.66
79.0	SCOTT	71.86
80.0	LACLEDE	72.44
81.0	MONITEAU	73.45
82.0	SCHUYLER	73.97
83.0	ATCHISON	74.12
84.0	FRANKLIN	74.33
85.0	MARIES	74.51
86.0	AUDRAIN	74.58

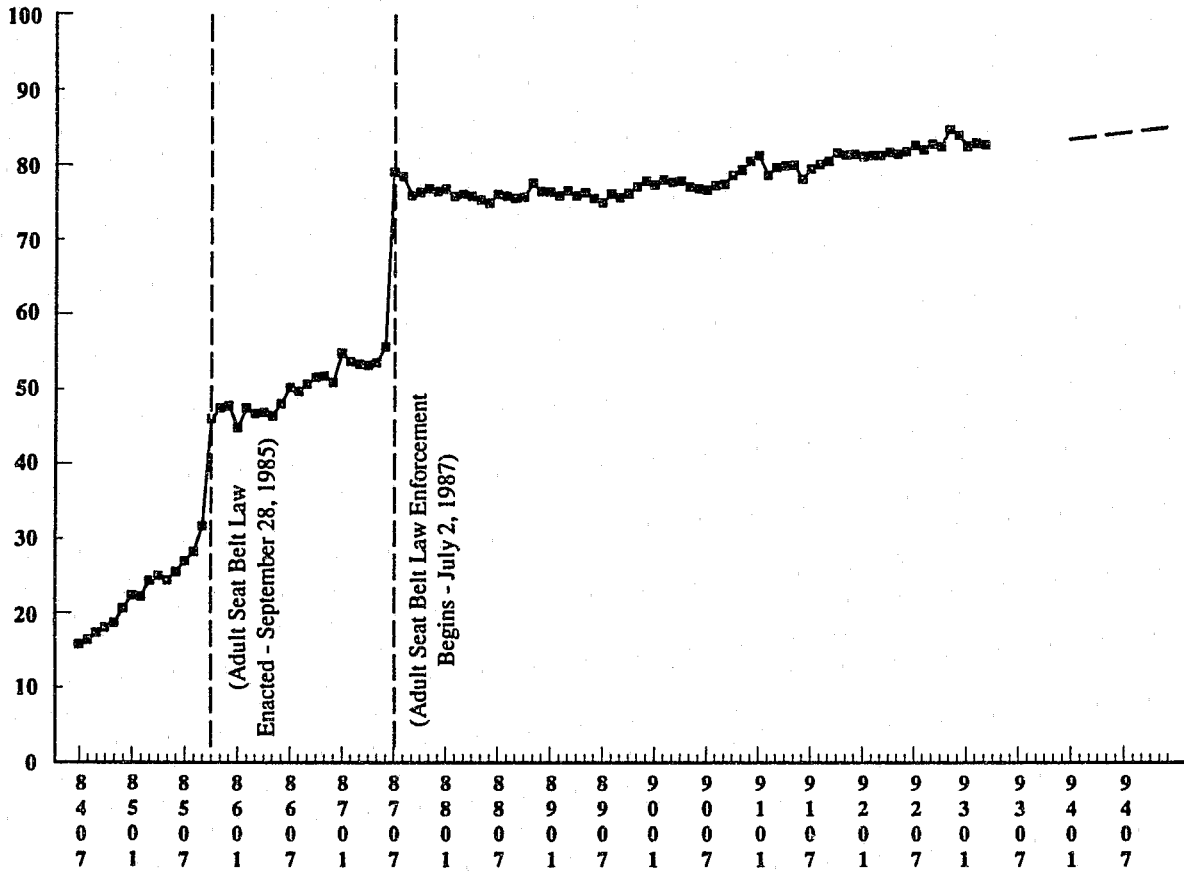
Third Quartile

Fourth Quartile		
87.0	NEWTON	75.28
88.0	RANDOLPH	75.48
89.0	ANDREW	75.58
90.0	CLARK	75.61
91.0	CASS	75.73
92.0	ADAIR	75.80
93.0	WARREN	76.01
94.0	PETTIS	76.05
95.0	MONTGOMERY	76.78
96.0	BUCHANAN	77.04
97.0	GREENE	78.44
98.0	TANEY	78.67
99.0	CAMDEN	79.52
100.0	JASPER	79.89
101.0	JEFFERSON	80.34
102.0	MARION	80.36
103.0	CAPE GIRARDEAU	80.50
104.0	JOHNSON	80.64
105.0	COLE	81.22
106.0	CALLAWAY	81.73
107.0	PHELPS	81.90
108.0	PULASKI	82.59
109.0	BOONE	85.61
110.0	CLAY	86.25
111.0	JACKSON	86.98
112.0	ST. CHARLES	87.82
113.0	PLATTE	87.85
114.0	ST. LOUIS	90.73
115.0	ST. LOUIS CITY	93.14

This table contains a ranking of Missouri counties by the driver seat belt usage rates associated with 1993 traffic accidents. Drivers whose seat belt usage was unknown have been excluded. Counties have been ranked based upon the worst driver usage rates. (Carroll County is first due to its having the lowest usage rate of all counties in the State. Only 45.10% of the drivers involved in accidents in Carroll County were wearing seat belts).

TABLE 3.13.14

PERCENT OF DRIVERS WEARING SEAT BELTS¹ MONTHLY TIME SERIES



¹Due to changes in STARS reporting procedures beginning in July of 1984, sufficient data for yearly comparison do not exist. Hence, monthly projections were computed starting in July 1984.

FIGURE 3.13.1

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

KILLED AND INJURED IN MISSOURI TRAFFIC ACCIDENTS

1981-1983 AVERAGE COMPARED TO 1984-1992 AVERAGE AND 1993¹

	1981 - 1983 AVERAGE²	1984 - 1992 AVERAGE²	% OF CHANGE 1981 - 1983 AVERAGE	1993	% OF CHANGE 1981 - 1983 AVERAGE
FATAL	11	11	= 0.0	10	- 9.1
MAJOR DISABLING	71	81	+ 14.1	103	+ 45.1
EVIDENT	626	533	- 14.9	538	- 14.1
PROBABLE	464	466	+ 0.4	696	+ 50.0
TOTAL	1,171	1,091	- 6.8	1,347	+ 15.0

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 ACCIDENT ANALYSIS

A SERIES OF TABLES SUMMARIZES 1993 TRAFFIC ACCIDENT 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 ACCIDENT 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 1993 TRAFFIC ACCIDENTS OCCURRING IN A GIVEN COMMUNITY ARE DISPLAYED REGARDLESS OF THE LAW ENFORCEMENT AGENCY THAT INVESTIGATED THE TRAFFIC ACCIDENT.

**1993 MISSOURI TRAFFIC ACCIDENTS
COUNTY AND CITY SUMMARY ¹**

CITY	ACCIDENT SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR	DRVR	COMM	MOTOR-	SCHOOL	PEDES-	FIXED	HAZARD	CONSTR
					UND 21 INV	55 + INV	VEH INV	CYCLE INV	BUS INV	BIKE INV	TRIAN INV	OBJECT INV	MATL INV
ADAIR CO	FATAL	1	1	0	1	1	0	0	0	0	0	0	0
	INJURY	161	22	12	49	44	2	3	0	5	7	30	0
	DAMAGE	486	42	18	156	120	37	1	3	0	1	53	0
	TOTAL	648	65	30	206	165	39	4	3	5	8	83	0
KIRKSVILLE	FATAL	1	1	0	1	1	0	0	0	0	0	0	0
	INJURY	108	12	7	36	36	0	2	0	5	7	10	0
	DAMAGE	398	22	14	127	101	20	1	2	0	1	30	0
	TOTAL	497	35	21	164	138	20	3	2	5	8	40	0
POP UNDER 1000	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	53	10	5	13	8	2	1	0	0	0	20	0
	DAMAGE	98	20	4	29	19	17	0	1	0	0	23	0
	TOTAL	151	30	9	42	27	19	1	1	0	0	43	0
ANDREW CO	FATAL	2	1	0	0	2	1	0	0	0	0	1	0
	INJURY	116	25	14	34	22	17	3	1	1	3	48	0
	DAMAGE	238	32	6	60	55	21	1	1	0	0	54	0
	TOTAL	356	58	20	94	79	39	4	2	1	3	103	0
COUNTRY CLUB VILLAGE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	4	1	1	1	1	1	0	0	0	0	2	0
	DAMAGE	7	1	0	2	0	0	0	0	0	0	2	0
	TOTAL	11	2	1	3	1	1	0	0	0	0	4	0
SAVANNAH	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	14	1	1	9	4	2	0	0	0	0	0	0
	DAMAGE	83	5	3	29	30	3	1	0	0	0	6	0
	TOTAL	97	6	4	38	34	5	1	0	0	0	6	0
POP UNDER 1000	FATAL	2	1	0	0	2	1	0	0	0	0	1	0
	INJURY	98	23	12	24	17	14	3	1	1	3	46	0
	DAMAGE	148	26	3	29	25	18	0	1	0	0	46	0
	TOTAL	248	50	15	53	44	33	3	2	1	3	93	0
ATCHISON CO	FATAL	2	2	0	0	2	1	0	0	0	0	1	0
	INJURY	47	15	6	11	15	3	2	0	0	1	14	0
	DAMAGE	75	22	8	24	20	14	0	1	0	0	23	2
	TOTAL	124	39	14	35	37	18	2	1	0	1	38	2
ROCKPORT	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	1	0	1	0	0	0	0	0	0	0	0
	DAMAGE	14	1	0	6	10	0	0	0	0	0	0	0
	TOTAL	15	2	0	7	10	0	0	0	0	0	0	0
POP UNDER 1000	FATAL	2	2	0	0	2	1	0	0	0	0	1	0
	INJURY	46	14	6	10	15	3	2	0	0	1	14	0
	DAMAGE	61	21	8	18	10	14	0	1	0	0	23	2
	TOTAL	109	37	14	28	27	18	2	1	0	1	38	2
AUDRAIN CO	FATAL	4	2	2	1	1	1	0	0	0	1	1	0
	INJURY	159	53	18	62	38	10	6	0	4	6	44	0
	DAMAGE	385	84	10	98	118	41	2	3	0	1	67	0
	TOTAL	548	139	30	161	157	52	8	3	4	8	112	0
MEXICO	FATAL	1	0	1	0	1	0	0	0	0	1	0	0
	INJURY	82	12	6	33	22	3	4	0	4	4	8	0
	DAMAGE	209	25	2	58	78	21	1	1	0	0	22	0
	TOTAL	292	37	9	91	101	24	5	1	4	5	30	0
VANDALIA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	12	2	1	7	3	0	1	0	0	1	2	0
	DAMAGE	35	3	3	10	8	2	0	0	0	0	2	0
	TOTAL	47	5	4	17	11	2	1	0	0	1	4	0
POP UNDER 1000	FATAL	3	2	1	1	0	1	0	0	0	0	1	0
	INJURY	65	39	11	22	13	7	1	0	0	1	34	0
	DAMAGE	141	56	5	30	32	18	1	2	0	1	43	0
	TOTAL	209	97	17	53	45	26	2	2	0	2	78	0
BARRY CO	FATAL	8	4	2	2	1	0	0	0	0	0	2	0
	INJURY	234	89	50	75	53	24	4	0	8	7	69	0
	DAMAGE	538	125	35	158	146	60	0	1	0	0	120	2
	TOTAL	780	218	87	235	200	84	4	1	8	7	191	2
CASSVILLE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	36	7	6	15	10	1	1	0	2	2	8	0
	DAMAGE	79	6	3	30	28	2	0	0	0	0	7	0
	TOTAL	115	13	9	45	38	3	1	0	2	2	15	0

TABLE 4.0.1

**1993 MISSOURI TRAFFIC ACCIDENTS
COUNTY AND CITY SUMMARY 1**

CITY	ACCIDENT SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR	DRVR	COMM	MOTOR-	SCHOOL	PEDES-	FIXED	HAZARD	CONSTR
					UND 21 INV	55+ INV	VEH INV	CYCLE INV	BUS INV	BIKE INV	TRIAN INV	OBJECT INV	MATL INV
MONETT / BAR	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	33	6	3	8	12	2	0	0	4	4	2	0
	DAMAGE	159	13	5	49	44	9	0	1	0	0	14	1
	TOTAL	192	19	8	57	56	11	0	1	4	4	16	1
POP UNDER 1000	FATAL	8	4	2	2	1	0	0	0	0	2	0	0
	INJURY	165	76	41	52	31	21	3	0	2	1	59	0
	DAMAGE	300	106	27	79	74	49	0	0	0	0	99	1
	TOTAL	473	186	70	133	106	70	3	0	2	1	160	1
BARTON CO	FATAL	3	1	0	1	1	0	1	0	0	0	0	0
	INJURY	65	17	15	19	19	8	1	0	1	1	21	0
	DAMAGE	142	22	4	43	38	16	0	0	0	0	24	0
	TOTAL	210	40	19	63	58	24	2	0	1	1	45	0
LAMAR	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	13	1	2	6	5	0	0	0	1	0	2	0
	DAMAGE	72	4	1	26	24	3	0	0	0	0	7	0
	TOTAL	85	5	3	32	29	3	0	0	1	0	9	0
POP UNDER 1000	FATAL	3	1	0	1	1	0	1	0	0	0	0	0
	INJURY	52	16	13	13	14	8	1	0	0	1	19	0
	DAMAGE	70	18	3	17	14	13	0	0	0	0	17	0
	TOTAL	125	35	16	31	29	21	2	0	0	1	36	0
BATES CO	FATAL	5	0	0	1	3	1	0	0	0	0	0	0
	INJURY	81	17	8	26	18	10	1	0	2	0	28	0
	DAMAGE	228	27	10	45	70	20	0	0	1	0	31	1
	TOTAL	314	44	18	72	91	31	1	0	3	0	59	1
ADRIAN	FATAL	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
	DAMAGE	9	0	0	1	3	0	0	0	0	0	0	0
	TOTAL	10	0	0	1	3	0	0	0	0	0	0	0
BUTLER	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	12	1	0	5	3	0	0	0	2	0	0	0
	DAMAGE	63	1	3	13	29	1	0	0	1	0	6	0
	TOTAL	75	2	3	18	32	1	0	0	3	0	6	0
RICH HILL	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	5	0	0	3	1	0	1	0	0	0	0	0
	DAMAGE	26	0	2	6	14	2	0	0	0	0	1	0
	TOTAL	31	0	2	9	15	2	1	0	0	0	1	0
POP UNDER 1000	FATAL	5	0	0	1	3	1	0	0	0	0	0	0
	INJURY	63	16	8	18	14	10	0	0	0	0	28	0
	DAMAGE	130	26	5	25	24	17	0	0	0	0	24	1
	TOTAL	198	42	13	44	41	28	0	0	0	0	52	1
BENTON CO	FATAL	5	3	1	2	0	2	0	0	0	1	2	0
	INJURY	111	42	24	23	33	6	3	0	1	2	48	0
	DAMAGE	227	54	14	57	77	37	1	2	0	0	57	1
	TOTAL	343	99	39	82	110	45	4	2	1	3	107	1
COLE CAMP	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	3	0	0	2	3	0	0	0	0	0	0	0
	DAMAGE	8	1	0	2	4	0	0	0	0	0	1	0
	TOTAL	11	1	0	4	7	0	0	0	0	0	1	0
WARSAW	FATAL	1	1	1	0	0	0	0	0	0	1	0	0
	INJURY	11	3	0	4	4	0	0	0	0	0	2	0
	DAMAGE	49	2	2	14	15	2	0	1	0	0	5	0
	TOTAL	61	6	3	18	19	2	0	1	0	0	8	0
POP UNDER 1000	FATAL	4	2	0	2	0	2	0	0	0	1	1	0
	INJURY	97	39	24	17	26	6	3	0	1	2	46	0
	DAMAGE	170	51	12	41	58	35	1	1	0	0	51	1
	TOTAL	271	92	36	60	84	43	4	1	1	3	98	1
BOLLINGER CO	FATAL	2	0	0	0	0	0	0	0	0	1	0	0
	INJURY	57	15	18	16	9	6	2	2	0	0	23	0
	DAMAGE	102	20	7	38	25	11	0	0	0	0	37	0
	TOTAL	161	35	25	54	34	17	2	2	0	1	60	0
MARBLE HILL	FATAL	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
	DAMAGE	3	1	0	1	2	0	0	0	0	0	1	0
	TOTAL	5	1	0	3	2	0	0	0	0	0	1	0

TABLE 4.0.1

**1993 MISSOURI TRAFFIC ACCIDENTS
COUNTY AND CITY SUMMARY¹**

CITY	ACCIDENT SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR	DRVR	COMM	MOTOR-	SCHOOL	PEDES- TRIAN	FIXED OBJECT INV	HAZARD MATL INV	CONSTR ZONE INV
					UND 21 INV	55+ INV	VEH INV	CYCLE INV	BUS INV				
POP UNDER 1000	FATAL	2	0	0	0	0	0	0	0	0	1	0	0
	INJURY	55	15	18	14	9	6	2	2	0	23	0	0
	DAMAGE	99	19	7	37	23	11	0	0	0	36	0	0
	TOTAL	156	34	25	51	32	17	2	2	0	1	59	0
BOONE CO	FATAL	13	3	3	4	1	2	0	0	0	5	1	0
	INJURY	939	195	103	283	163	49	34	6	30	36	148	4
	DAMAGE	2935	329	113	784	565	230	7	13	5	0	305	3
	TOTAL	3887	527	219	1071	729	281	41	19	35	41	454	7
ASHLAND	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	5	0	0	1	2	0	0	0	0	0	0	0
	DAMAGE	12	1	2	3	2	0	0	0	0	1	0	0
	TOTAL	17	1	2	4	4	0	0	0	0	1	0	0
CENTRALIA / BOO	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	6	3	0	2	0	1	0	0	0	1	0	0
	DAMAGE	46	7	1	13	14	3	0	1	0	6	0	0
	TOTAL	52	10	1	15	14	4	0	1	0	1	6	0
COLUMBIA	FATAL	4	0	1	1	0	0	0	0	0	3	0	0
	INJURY	684	119	57	202	125	29	26	5	26	29	54	2
	DAMAGE	2394	234	85	663	473	165	7	10	5	0	192	0
	TOTAL	3082	353	143	866	598	194	33	15	31	32	246	2
POP UNDER 1000	FATAL	9	3	2	3	1	2	0	0	0	2	1	0
	INJURY	244	73	46	78	36	19	8	1	4	6	94	2
	DAMAGE	483	87	25	105	76	62	0	2	0	0	106	3
	TOTAL	736	163	73	186	113	83	8	3	4	8	201	5
BUCHANAN CO	FATAL	8	5	5	2	3	1	1	0	0	0	3	0
	INJURY	746	119	81	244	184	49	20	3	11	33	134	0
	DAMAGE	2549	420	130	659	595	188	6	19	0	3	302	1
	TOTAL	3303	544	216	905	782	238	27	22	11	36	439	1
ST. JOSEPH	FATAL	5	4	4	2	2	1	1	0	0	0	2	0
	INJURY	636	90	62	213	160	33	19	2	10	31	80	0
	DAMAGE	2400	377	116	624	572	164	6	17	0	3	257	1
	TOTAL	3041	471	182	839	734	198	26	19	10	34	339	1
POP UNDER 1000	FATAL	3	1	1	0	1	0	0	0	0	0	1	0
	INJURY	110	29	19	31	24	16	1	1	1	2	54	0
	DAMAGE	149	43	14	35	23	24	0	2	0	0	45	0
	TOTAL	262	73	34	66	48	40	1	3	1	2	100	0
BUTLER CO	FATAL	14	2	6	1	5	4	1	0	0	2	4	0
	INJURY	437	70	45	143	132	22	14	2	2	16	76	0
	DAMAGE	1043	91	39	308	313	89	1	7	1	0	131	1
	TOTAL	1494	163	90	452	450	115	16	9	3	18	211	1
POPLAR BLUFF	FATAL	1	0	0	0	1	0	0	0	0	1	0	0
	INJURY	277	30	17	97	89	9	7	1	2	15	25	0
	DAMAGE	708	51	13	229	230	41	1	3	1	0	67	0
	TOTAL	986	81	30	326	320	50	8	4	3	16	92	0
POP UNDER 1000	FATAL	13	2	6	1	4	4	1	0	0	1	4	0
	INJURY	160	40	28	46	43	13	7	1	0	1	51	0
	DAMAGE	335	46	26	79	83	48	0	4	0	0	64	1
	TOTAL	508	82	60	126	130	65	8	5	0	2	119	1
CALDWELL CO	FATAL	1	0	0	1	0	0	0	0	0	0	1	0
	INJURY	45	20	9	16	8	2	1	0	0	4	14	0
	DAMAGE	97	19	4	28	26	13	0	0	0	0	18	1
	TOTAL	143	39	13	45	34	15	1	0	0	4	33	1
HAMILTON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	7	2	1	4	1	0	0	0	0	2	2	0
	DAMAGE	15	1	0	8	3	3	0	0	0	0	1	0
	TOTAL	22	3	1	12	4	3	0	0	0	2	3	0
POP UNDER 1000	FATAL	1	0	0	1	0	0	0	0	0	0	1	0
	INJURY	38	18	8	12	7	2	1	0	0	2	12	0
	DAMAGE	82	18	4	20	23	10	0	0	0	0	17	1
	TOTAL	121	36	12	33	30	12	1	0	0	2	30	1
CALLAWAY CO	FATAL	11	3	3	0	2	2	0	0	0	1	2	0
	INJURY	240	64	29	65	42	30	6	1	2	5	77	1
	DAMAGE	729	118	31	164	174	113	3	9	1	0	151	0
	TOTAL	980	185	63	229	218	145	9	10	3	6	230	1

TABLE 4.0.1

**1993 MISSOURI TRAFFIC ACCIDENTS
COUNTY AND CITY SUMMARY¹**

CITY	ACCIDENT SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR	DRVR	COMM	MOTOR-	SCHOOL	PEDES-	FIXED	HAZARD	CONSTR
					UND 21 INV	55+ INV	VEH INV	CYCLE INV	BUS INV	BIKE INV	TRIAN INV	OBJECT INV	MATL INV
FULTON	FATAL	3	1	0	0	2	0	0	0	0	0	0	0
	INJURY	56	7	3	22	15	1	1	0	1	2	11	0
	DAMAGE	241	17	11	84	71	20	0	3	1	0	28	0
	TOTAL	300	25	14	86	88	21	1	3	2	2	39	0
HOLTS SUMMIT	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	9	1	2	3	2	1	0	0	0	2	0	0
	DAMAGE	22	5	0	6	5	3	0	0	0	0	4	0
	TOTAL	31	6	2	9	7	4	0	0	0	2	4	0
JEFF CITY / CAL	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	4	0	0	1	0	1	0	0	0	0	1	0
	DAMAGE	14	2	0	4	4	4	0	0	0	0	3	0
	TOTAL	18	2	0	5	4	5	0	0	0	0	4	0
POP UNDER 1000	FATAL	8	2	3	0	0	2	0	0	0	1	2	0
	INJURY	171	56	24	39	25	27	5	1	1	1	65	1
	DAMAGE	452	94	20	90	94	86	3	6	0	0	116	0
	TOTAL	631	152	47	129	119	115	8	7	1	2	183	1
CAMDEN CO	FATAL	10	5	3	2	1	1	0	0	0	3	3	0
	INJURY	256	89	43	77	68	16	8	0	0	3	82	0
	DAMAGE	681	88	32	178	167	75	1	6	1	0	132	1
	TOTAL	947	182	78	257	236	92	9	6	1	6	217	1
CAMDENTON	FATAL	1	0	0	0	1	0	0	0	0	1	0	0
	INJURY	18	1	3	6	6	0	2	0	0	1	0	0
	DAMAGE	120	4	2	32	36	9	0	0	1	0	5	0
	TOTAL	139	5	5	38	43	9	2	0	1	2	5	0
OSAGE BEACH / CAM	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	60	11	8	19	19	3	3	0	0	0	11	0
	DAMAGE	238	28	7	67	55	23	0	0	0	0	30	0
	TOTAL	298	39	15	86	74	26	3	0	0	0	41	0
POP UNDER 1000	FATAL	9	5	3	2	0	1	0	0	0	2	3	0
	INJURY	178	77	32	52	43	13	3	0	0	2	71	0
	DAMAGE	323	56	23	79	76	43	1	6	0	0	97	1
	TOTAL	510	138	58	133	119	57	4	6	0	4	171	1
CAPE GIRARDEAU CO	FATAL	7	3	2	3	2	1	0	0	0	1	1	0
	INJURY	508	90	37	184	145	30	16	3	14	13	92	0
	DAMAGE	2401	327	69	719	618	167	9	6	4	0	271	2
	TOTAL	2914	420	108	906	765	198	25	9	18	14	364	2
CAPE GIRARDEAU	FATAL	3	1	0	0	1	1	0	0	0	1	0	0
	INJURY	291	46	22	98	88	13	10	0	9	10	38	0
	DAMAGE	1814	238	46	541	477	106	7	3	2	0	160	0
	TOTAL	2108	285	68	639	566	120	17	3	11	11	198	0
JACKSON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	95	17	2	37	35	3	2	0	3	1	7	0
	DAMAGE	266	34	3	83	90	22	2	1	0	0	19	0
	TOTAL	361	51	5	120	125	25	4	1	3	1	26	0
POP UNDER 1000	FATAL	4	2	2	3	1	0	0	0	0	0	1	0
	INJURY	120	27	13	49	22	14	4	3	2	2	47	0
	DAMAGE	326	56	20	95	53	41	0	2	2	0	93	2
	TOTAL	450	85	35	147	76	55	4	5	4	2	141	2
CARROLL CO	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	50	26	10	16	8	8	1	0	1	3	21	0
	DAMAGE	207	34	4	57	63	20	1	0	0	0	42	0
	TOTAL	257	60	14	73	71	28	2	0	1	3	63	0
CARROLLTON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	9	2	1	1	3	0	0	0	1	1	1	0
	DAMAGE	104	9	2	31	39	5	0	0	0	0	8	0
	TOTAL	113	11	3	32	42	5	0	0	1	1	9	0
POP UNDER 1000	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	41	24	9	15	5	8	1	0	0	2	20	0
	DAMAGE	103	25	2	26	24	15	1	0	0	0	34	0
	TOTAL	144	49	11	41	29	23	2	0	0	2	54	0
CARTER CO	FATAL	1	1	1	0	0	0	0	0	0	0	1	0
	INJURY	39	7	7	10	7	12	1	1	0	0	11	0
	DAMAGE	86	9	4	15	29	28	0	0	0	0	7	0
	TOTAL	126	17	12	25	36	40	1	1	0	0	19	0

TABLE 4.0.1

**1993 MISSOURI TRAFFIC ACCIDENTS
COUNTY AND CITY SUMMARY ¹**

CITY	ACCIDENT SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR	DRVR	COMM	MOTOR-	SCHOOL	PEDES-	FIXED	HAZARD	CONSTR	
					UND 21 INV	55 + INV	VEH INV	CYCLE INV	BUS INV	BIKE INV	TRIAN INV	OBJECT INV	MATL INV	ZONE INV
POP UNDER 1000	FATAL	1	1	1	0	0	0	0	0	0	0	1	0	0
	INJURY	39	7	7	10	7	12	1	1	0	0	11	0	1
	DAMAGE	86	9	4	15	29	28	0	0	0	0	7	0	4
	TOTAL	126	17	12	25	36	40	1	1	0	0	19	0	5
CASS CO	FATAL	3	2	0	0	0	2	0	0	0	0	2	0	0
	INJURY	429	114	45	153	79	36	5	6	3	9	114	0	5
	DAMAGE	1076	204	37	345	214	79	2	6	0	0	184	1	7
	TOTAL	1508	320	82	498	293	117	7	12	3	9	300	1	12
BELTON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	124	30	12	48	21	6	1	1	3	3	19	0	1
	DAMAGE	341	76	10	108	75	12	0	1	0	0	44	0	5
	TOTAL	465	106	22	156	96	18	1	2	3	3	63	0	6
GARDEN CITY	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	1	0	0
	DAMAGE	14	2	0	3	5	0	0	0	0	0	1	0	0
	TOTAL	17	2	0	4	5	0	0	0	0	0	2	0	0
HARRISONVILLE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	43	1	1	19	14	2	0	1	0	2	3	0	0
	DAMAGE	184	23	7	61	46	16	1	2	0	0	25	0	0
	TOTAL	227	24	8	80	60	18	1	3	0	2	28	0	0
KANSAS CITY / 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	6	1	0	0	0	0	0	0	0	0	1	0	0
	TOTAL	6	1	0	0	0	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	2	0	0	0	0	1	0	0	0	0	0	0	0
	TOTAL	2	0	0	0	0	1	0	0	0	0	0	0	0
PECULIAR	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	2	0	0	0	1	0	0	0	0	0	1	0	0
	DAMAGE	21	7	0	4	3	0	0	0	0	0	5	0	0
	TOTAL	23	7	0	4	4	0	0	0	0	0	6	0	0
PLEASANT HILL	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	19	8	1	8	5	1	0	1	0	2	4	0	0
	DAMAGE	76	15	4	38	15	5	0	0	0	0	11	0	0
	TOTAL	95	23	5	46	20	6	0	1	0	2	15	0	0
RAYMORE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	15	4	1	6	3	3	0	0	0	0	4	0	0
	DAMAGE	70	11	1	25	12	4	0	0	0	0	11	0	0
	TOTAL	85	15	2	31	15	7	0	0	0	0	15	0	0
POP UNDER 1000	FATAL	3	2	0	0	0	2	0	0	0	0	2	0	0
	INJURY	223	71	30	71	35	24	4	3	0	2	82	0	4
	DAMAGE	362	69	15	105	58	41	1	3	0	0	85	1	2
	TOTAL	588	142	45	177	93	67	5	6	0	2	170	1	6
CEDAR CO	FATAL	3	2	2	2	1	0	0	0	0	0	2	0	0
	INJURY	81	20	17	29	19	0	3	0	2	1	33	0	0
	DAMAGE	187	31	7	51	64	19	0	0	1	0	45	2	1
	TOTAL	271	53	26	82	84	19	3	0	3	1	80	2	1
EL DORADO SPRINGS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	26	1	1	11	15	0	0	0	2	1	1	0	0
	DAMAGE	74	4	1	21	37	1	0	0	1	0	9	0	0
	TOTAL	100	5	2	32	52	1	0	0	3	1	10	0	0
STOCKTON	FATAL	1	1	1	1	0	0	0	0	0	0	0	0	0
	INJURY	3	0	0	1	0	0	1	0	0	0	1	0	0
	DAMAGE	28	5	0	10	8	1	0	0	0	0	9	0	1
	TOTAL	32	6	1	12	8	1	1	0	0	0	10	0	1
POP UNDER 1000	FATAL	2	1	1	1	1	0	0	0	0	0	2	0	0
	INJURY	52	19	16	17	4	0	2	0	0	0	31	0	0
	DAMAGE	85	22	6	20	19	17	0	0	0	0	27	2	0
	TOTAL	139	42	23	38	24	17	2	0	0	0	60	2	0
CHARITON CO	FATAL	4	1	2	1	2	1	0	0	0	0	1	0	0
	INJURY	53	13	7	16	14	4	2	1	4	1	28	0	0
	DAMAGE	138	11	4	28	39	12	0	1	0	0	19	0	1
	TOTAL	195	25	13	45	55	17	2	2	4	1	48	0	1

TABLE 4.0.1

**1993 MISSOURI TRAFFIC ACCIDENTS
COUNTY AND CITY SUMMARY ¹**

CITY	ACCIDENT SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR	DRVR	COMM	MOTOR-	SCHOOL	PEDES-	FIXED	HAZARD	CONSTR
					UND 21 INV	55+ INV	VEH INV	CYCLE INV	BUS INV	BIKE INV	TRIAN INV	OBJECT INV	MATL INV
BRUNSWICK	FATAL	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
	DAMAGE	4	1	0	0	2	1	0	0	0	0	0	0
	TOTAL	5	1	0	0	3	1	0	0	0	0	0	0
SALISBURY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	5	0	0	0	5	0	0	0	2	0	0	0
	DAMAGE	44	1	2	11	17	2	0	1	0	4	0	0
	TOTAL	49	1	2	11	22	2	0	1	2	0	4	0
POP UNDER 1000	FATAL	4	1	2	1	2	1	0	0	0	1	0	0
	INJURY	47	13	7	16	8	4	2	1	2	1	28	0
	DAMAGE	90	9	2	17	20	9	0	0	0	0	15	0
	TOTAL	141	23	11	34	30	14	2	1	2	1	44	0
CHRISTIAN CO	FATAL	15	4	3	9	2	2	0	0	1	1	4	0
	INJURY	229	66	30	84	46	18	6	0	2	4	70	0
	DAMAGE	511	89	17	175	128	64	1	4	0	0	104	0
	TOTAL	755	159	50	268	176	84	7	4	3	5	178	0
NIXA	FATAL	1	0	0	0	1	0	0	0	0	0	0	0
	INJURY	24	4	2	11	8	0	0	0	1	1	1	0
	DAMAGE	92	11	1	37	23	3	0	1	0	0	10	0
	TOTAL	117	15	3	48	32	3	0	1	1	1	11	0
OZARK	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	25	6	2	11	4	0	0	0	0	0	3	0
	DAMAGE	91	5	0	34	33	9	0	0	0	0	8	0
	TOTAL	116	11	2	45	37	9	0	0	0	0	11	0
POP UNDER 1000	FATAL	14	4	3	9	1	2	0	0	1	1	4	0
	INJURY	180	56	26	62	34	18	6	0	1	3	66	0
	DAMAGE	328	73	16	104	72	52	1	3	0	0	86	0
	TOTAL	522	133	45	175	107	72	7	3	2	4	156	0
CLARK CO	FATAL	4	2	2	0	1	2	0	0	0	0	1	0
	INJURY	56	8	6	14	13	9	0	0	0	0	21	0
	DAMAGE	95	8	1	20	29	17	0	0	0	0	15	0
	TOTAL	155	18	9	34	43	28	0	0	0	0	37	0
KAHOKA	FATAL	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
	DAMAGE	27	1	0	10	12	0	0	0	0	0	0	0
	TOTAL	29	1	0	12	12	0	0	0	0	0	0	0
POP UNDER 1000	FATAL	4	2	2	0	1	2	0	0	0	0	1	0
	INJURY	54	8	6	12	13	9	0	0	0	0	21	0
	DAMAGE	68	7	1	10	17	17	0	0	0	0	15	0
	TOTAL	126	17	9	22	31	28	0	0	0	0	37	0
CLAY CO	FATAL	18	9	6	5	3	2	0	0	0	1	8	0
	INJURY	1585	385	133	492	364	73	38	2	14	30	307	2
	DAMAGE	4615	727	138	1109	887	340	6	26	4	3	660	4
	TOTAL	6218	1121	277	1596	1254	424	44	28	18	34	975	6
CLAYCOMO	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	42	12	7	5	15	2	0	0	0	0	15	0
	DAMAGE	68	13	6	12	16	11	1	1	0	0	9	0
	TOTAL	110	25	13	17	31	13	1	1	0	0	24	0
EXCELS SPGS / CLA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	98	28	11	32	18	3	3	1	1	6	23	0
	DAMAGE	272	51	9	85	58	22	1	3	1	0	47	0
	TOTAL	370	79	20	117	76	25	4	4	2	6	70	0
GLADSTONE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	203	36	19	62	63	3	6	0	4	3	18	0
	DAMAGE	467	63	12	153	97	7	0	1	1	0	36	0
	TOTAL	670	99	31	215	160	10	6	1	5	3	54	0
KANSAS CITY / CLA	FATAL	7	5	1	3	2	0	0	0	0	1	3	0
	INJURY	681	157	55	216	141	24	18	1	4	11	123	1
	DAMAGE	2223	306	63	532	375	95	2	5	2	2	315	1
	TOTAL	2911	468	119	751	518	119	20	6	6	14	441	2
KEARNEY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	19	2	1	11	4	2	1	0	0	0	2	1
	DAMAGE	52	7	2	17	7	5	0	1	0	0	5	0
	TOTAL	71	9	3	28	11	7	1	1	0	0	7	1

TABLE 4.0.1

**1993 MISSOURI TRAFFIC ACCIDENTS
COUNTY AND CITY SUMMARY¹**

CITY	ACCIDENT SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR	DRVR	COMM	MOTOR-	SCHOOL	PEDES-	FIXED	HAZARD	CONSTR
					UND 21 INV	55+ INV	VEH INV	CYCLE INV	BUS INV	BIKE INV	TRIAN INV	OBJECT INV	MATL INV
LAWSON / CLA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	3	0	0	1	0	0	0	0	0	1	0	1
	DAMAGE	6	1	0	2	3	0	0	0	0	0	0	0
	TOTAL	9	1	0	3	3	0	0	0	0	1	0	1
LIBERTY	FATAL	3	1	2	0	0	0	0	0	0	1	0	0
	INJURY	200	50	7	76	57	6	3	0	3	2	25	0
	DAMAGE	557	127	10	149	121	42	2	6	0	0	76	4
	TOTAL	760	178	19	225	178	48	5	6	3	2	102	4
NORTH KANSAS CITY	FATAL	3	2	2	0	0	1	0	0	0	1	0	0
	INJURY	131	32	14	20	30	20	1	0	2	5	18	0
	DAMAGE	513	54	11	56	126	120	0	3	0	0	44	2
	TOTAL	647	88	27	76	156	141	1	3	2	5	63	2
PLEASANT VALLEY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	21	5	0	5	3	1	0	0	0	1	1	0
	DAMAGE	77	13	7	10	19	12	0	1	0	0	17	0
	TOTAL	98	18	7	15	22	13	0	1	0	1	18	0
SMITHVILLE	FATAL	1	0	0	1	0	0	0	0	0	0	0	0
	INJURY	30	6	3	11	5	2	1	0	0	0	7	0
	DAMAGE	87	18	3	18	17	5	0	1	0	0	13	0
	TOTAL	118	24	6	30	22	7	1	1	0	0	20	0
POP UNDER 1000	FATAL	4	1	1	1	1	1	0	0	0	3	0	0
	INJURY	157	57	16	43	28	10	5	0	0	1	75	1
	DAMAGE	293	74	15	75	48	30	0	4	0	1	98	2
	TOTAL	454	132	32	119	77	41	5	4	0	2	176	3
CLINTON CO	FATAL	3	2	1	1	0	1	0	0	0	1	0	0
	INJURY	99	34	21	36	20	9	3	2	2	1	37	0
	DAMAGE	206	49	13	56	45	28	1	4	0	0	49	2
	TOTAL	308	85	35	93	65	38	4	6	2	1	87	2
CAMERON / CLI	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	20	5	3	9	6	1	1	1	1	0	2	0
	DAMAGE	67	9	5	23	17	6	0	2	0	0	6	2
	TOTAL	87	14	8	32	23	7	1	3	1	0	8	2
GOWER / CLI	FATAL	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
	DAMAGE	2	1	0	1	0	0	0	0	0	0	0	0
	TOTAL	3	1	0	2	0	0	0	0	0	0	0	0
LATHROP	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	3	1	1	1	0	0	1	0	0	1	1	0
	DAMAGE	9	0	1	5	2	0	0	0	0	0	1	0
	TOTAL	12	1	2	6	2	0	1	0	0	1	2	0
PLATTSBURG	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	0	0	0	0	0	0	0	1	0	0	0
	DAMAGE	1	0	0	0	1	0	0	0	0	0	0	0
	TOTAL	2	0	0	0	1	0	0	0	1	0	0	0
POP UNDER 1000	FATAL	3	2	1	1	0	1	0	0	0	1	0	0
	INJURY	74	28	17	25	14	8	1	1	0	0	34	0
	DAMAGE	127	39	7	27	25	22	1	2	0	0	42	1
	TOTAL	204	69	25	53	39	31	2	3	0	0	77	1
COLE CO	FATAL	13	3	3	5	4	0	1	0	0	3	4	0
	INJURY	569	120	51	220	108	29	24	5	7	16	101	1
	DAMAGE	1972	257	57	602	426	128	5	6	0	0	242	3
	TOTAL	2554	380	111	827	538	157	30	11	7	19	347	4
JEFF CITY / COL	FATAL	5	0	0	2	1	0	1	0	0	2	0	0
	INJURY	413	57	34	158	91	14	16	1	5	16	42	3
	DAMAGE	1637	182	41	492	378	93	5	2	0	0	157	5
	TOTAL	2055	239	75	652	470	107	22	3	5	18	199	8
POP UNDER 1000	FATAL	8	3	3	3	3	0	0	0	1	4	0	0
	INJURY	156	63	17	62	17	15	8	4	2	0	59	2
	DAMAGE	335	75	16	110	48	35	0	4	0	0	85	2
	TOTAL	499	141	36	175	68	50	8	8	2	1	148	4
COOPER CO	FATAL	3	0	2	1	0	0	0	0	0	1	0	0
	INJURY	141	43	22	40	35	20	4	0	0	3	60	2
	DAMAGE	378	53	16	95	77	63	0	1	0	0	81	8
	TOTAL	522	96	40	136	112	83	4	1	0	3	142	10

TABLE 4.0.1

**1993 MISSOURI TRAFFIC ACCIDENTS
COUNTY AND CITY SUMMARY¹**

CITY	ACCIDENT SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR		COMM VEH INV	MOTOR- CYCLE INV	SCHOOL		PEDES- TRIAN INV	FIXED OBJECT INV	HAZARD MATL INV	CONSTR ZONE INV
					UND 21 INV	55+ INV			BUS INV	BIKE INV				
BOONEVILLE	FATAL	1	0	0	0	0	0	0	0	0	0	1	0	0
	INJURY	37	8	4	10	15	2	2	0	0	1	7	0	0
	DAMAGE	188	13	10	51	43	10	0	1	0	0	19	0	0
	TOTAL	226	21	14	61	58	12	2	1	0	1	27	0	0
POP UNDER 1000	FATAL	2	0	2	1	0	0	0	0	0	0	0	0	0
	INJURY	104	35	18	30	20	18	2	0	0	2	53	2	2
	DAMAGE	199	40	6	44	34	53	0	0	0	0	62	1	8
	TOTAL	295	75	26	75	54	71	2	0	0	2	115	3	10
CRAWFORD CO	FATAL	3	2	0	1	1	2	0	0	0	0	0	0	1
	INJURY	141	35	25	36	26	9	3	0	1	1	58	0	1
	DAMAGE	327	36	14	67	84	73	1	0	0	0	76	2	2
	TOTAL	471	73	39	104	111	84	4	0	1	1	134	2	4
BOURBON	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	16	5	0	9	2	0	0	0	0	0	2	0	0
	TOTAL	20	5	0	11	3	0	0	0	0	0	2	0	0
CUBA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	15	1	1	8	2	0	0	0	0	1	0	0	0
	DAMAGE	64	0	2	16	21	12	0	0	0	0	4	0	0
	TOTAL	79	1	3	24	23	12	0	0	0	1	4	0	0
STEELVILLE	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	11	0	0	4	4	2	0	0	0	0	1	0	0
	TOTAL	11	0	0	4	4	2	0	0	0	0	1	0	0
SULLIVAN / CRA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	4	1	0	1	1	0	0	0	0	0	0	0	0
	DAMAGE	6	0	0	1	3	1	0	0	0	0	1	0	0
	TOTAL	10	1	0	2	4	1	0	0	0	0	1	0	0
POP UNDER 1000	FATAL	3	2	0	1	1	2	0	0	0	0	0	0	1
	INJURY	118	33	24	25	22	9	3	0	1	0	58	0	1
	DAMAGE	230	31	12	37	54	58	1	0	0	0	68	2	2
	TOTAL	351	66	36	63	77	69	4	0	1	0	126	2	4
DADE CO	FATAL	4	4	1	1	1	0	0	0	0	0	1	0	0
	INJURY	35	10	5	8	6	7	1	0	1	1	19	0	0
	DAMAGE	43	9	3	9	8	5	0	0	0	0	16	1	0
	TOTAL	82	23	9	18	15	12	1	0	1	1	36	1	0
GREENFIELD	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	4	2	0	2	2	1	0	0	0	1	3	0	0
	DAMAGE	9	2	0	2	4	0	0	0	0	0	3	0	0
	TOTAL	13	4	0	4	6	1	0	0	0	1	6	0	0
LOCKWOOD	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	3	0	0	1	1	0	0	0	0	0	1	0	0
	DAMAGE	7	0	0	3	2	0	0	0	0	0	0	0	0
	TOTAL	10	0	0	4	3	0	0	0	0	0	1	0	0
POP UNDER 1000	FATAL	4	4	1	1	1	0	0	0	0	0	1	0	0
	INJURY	28	8	5	5	3	6	1	0	1	0	15	0	0
	DAMAGE	27	7	3	4	2	5	0	0	0	0	13	1	0
	TOTAL	59	19	9	10	6	11	1	0	1	0	29	1	0
DALLAS CO	FATAL	6	3	0	4	2	0	0	0	0	0	3	0	1
	INJURY	129	46	14	37	39	18	0	0	1	2	38	0	7
	DAMAGE	210	40	13	56	55	29	1	0	0	0	58	1	2
	TOTAL	345	89	27	97	96	47	1	0	1	2	99	1	10
BUFFALO	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	19	6	2	7	10	2	0	0	0	0	3	0	0
	DAMAGE	75	6	6	23	27	2	1	0	0	0	7	0	0
	TOTAL	94	12	8	30	37	4	1	0	0	0	10	0	0
POP UNDER 1000	FATAL	6	3	0	4	2	0	0	0	0	0	3	0	1
	INJURY	110	40	12	30	29	16	0	0	1	2	35	0	7
	DAMAGE	135	34	7	33	28	27	0	0	0	0	51	1	2
	TOTAL	251	77	19	67	59	43	0	0	1	2	89	1	10
DAVISS CO	FATAL	4	1	1	0	2	1	0	0	0	1	2	0	0
	INJURY	55	25	4	16	11	9	0	0	0	0	20	1	0
	DAMAGE	107	34	3	26	32	23	0	0	0	0	25	0	1
	TOTAL	166	60	8	42	45	33	0	0	0	1	47	1	1

TABLE 4.0.1

**1993 MISSOURI TRAFFIC ACCIDENTS
COUNTY AND CITY SUMMARY¹**

CITY	ACCIDENT SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR	DRVR	COMM	MOTOR-	SCHOOL	PEDES-	FIXED	HAZARD	CONSTR
					UND 21 INV	55+ INV	VEH INV	CYCLE INV	BUS INV	BIKE INV	TRIAN INV	OBJECT INV	MATL INV
GALLATIN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	7	2	0	3	1	1	0	0	0	0	3	0
	DAMAGE	16	1	1	6	6	1	0	0	0	0	0	0
	TOTAL	23	3	1	9	7	2	0	0	0	0	3	0
POP UNDER 1000	FATAL	4	1	1	0	2	1	0	0	0	1	2	0
	INJURY	48	23	4	13	10	8	0	0	0	0	17	1
	DAMAGE	91	33	2	20	26	22	0	0	0	0	25	0
	TOTAL	143	57	7	33	38	31	0	0	0	1	44	1
DEKALB CO	FATAL	2	0	1	0	1	1	0	0	0	0	0	0
	INJURY	49	15	4	14	11	11	0	0	1	0	19	0
	DAMAGE	93	25	8	15	20	18	0	1	0	0	28	1
	TOTAL	144	40	13	29	32	30	0	1	1	0	47	1
CAMERON / DEK	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	15	3	0	3	5	2	0	0	0	0	1	0
	DAMAGE	16	4	2	2	6	3	0	0	0	0	4	1
	TOTAL	31	7	2	5	11	5	0	0	0	0	5	1
MAYSVILLE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	0	0	0	0	0	0	0	1	0	0	0
	DAMAGE	10	2	1	4	2	0	0	0	0	0	2	0
	TOTAL	11	2	1	4	2	0	0	0	1	0	2	0
POP UNDER 1000	FATAL	2	0	1	0	1	1	0	0	0	0	0	0
	INJURY	33	12	4	11	6	9	0	0	0	0	18	0
	DAMAGE	67	19	5	9	12	15	0	1	0	0	22	0
	TOTAL	102	31	10	20	19	25	0	1	0	0	40	0
DENT CO	FATAL	3	1	1	1	0	0	0	0	0	2	0	0
	INJURY	93	22	13	39	28	2	3	0	4	4	26	0
	DAMAGE	216	39	19	61	55	19	0	2	0	0	46	0
	TOTAL	312	62	33	101	83	21	3	2	4	4	74	0
SALEM	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	29	2	0	14	10	0	1	0	4	2	3	0
	DAMAGE	79	8	4	27	23	5	0	0	0	0	9	0
	TOTAL	108	10	4	41	33	5	1	0	4	2	12	0
POP UNDER 1000	FATAL	3	1	1	1	0	0	0	0	0	2	0	0
	INJURY	64	20	13	25	18	2	2	0	0	2	23	0
	DAMAGE	137	31	15	34	32	14	0	2	0	0	37	0
	TOTAL	204	52	29	60	50	16	2	2	0	2	62	0
DOUGLAS CO	FATAL	3	0	1	1	1	0	0	0	0	1	1	0
	INJURY	62	17	10	18	11	5	0	0	0	0	24	0
	DAMAGE	105	14	5	32	36	14	0	1	0	0	23	1
	TOTAL	170	31	16	51	48	19	0	1	0	1	48	1
AVA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	17	5	0	7	6	1	0	0	0	0	5	0
	DAMAGE	44	2	1	13	20	4	0	0	0	0	6	0
	TOTAL	61	7	1	20	26	5	0	0	0	0	11	0
POP UNDER 1000	FATAL	3	0	1	1	1	0	0	0	0	1	1	0
	INJURY	45	12	10	11	5	4	0	0	0	0	19	0
	DAMAGE	61	12	4	19	16	10	0	1	0	0	17	1
	TOTAL	109	24	15	31	22	14	0	1	0	1	37	1
DUNKLIN CO	FATAL	5	2	1	1	2	1	0	0	1	0	1	0
	INJURY	235	52	41	73	70	25	1	2	8	8	47	1
	DAMAGE	523	70	31	174	171	33	3	1	2	0	71	2
	TOTAL	763	124	73	248	243	59	4	3	11	8	119	3
CAMPBELL	FATAL	1	1	1	1	0	0	0	0	0	0	0	0
	INJURY	6	0	0	4	2	0	0	0	0	3	1	0
	DAMAGE	22	1	1	6	13	1	0	0	0	0	2	0
	TOTAL	29	2	2	11	15	1	0	0	0	3	3	0
KENNETT	FATAL	1	0	0	0	1	0	0	0	1	0	0	0
	INJURY	94	10	6	37	29	6	0	1	4	4	13	0
	DAMAGE	258	26	11	85	90	9	1	0	2	0	23	0
	TOTAL	353	36	17	122	120	15	1	1	7	4	36	0
MALDEN / DUN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	33	7	2	10	9	4	0	0	2	1	5	0
	DAMAGE	78	13	2	23	28	7	1	1	0	0	13	2
	TOTAL	111	20	4	33	37	11	1	1	2	1	18	2

TABLE 4.0.1

**1993 MISSOURI TRAFFIC ACCIDENTS
COUNTY AND CITY SUMMARY¹**

CITY	ACCIDENT SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR	DRVR	COMM	MOTOR-	SCHOOL	PEDES- TRIAN INV	FIXED OBJECT INV	HAZARD MATL INV	CONSTR ZONE INV
					UND 21 INV	55 + INV	VEH INV	CYCLE INV	BUS INV				
SENATH	FATAL	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
	DAMAGE	2	0	0	0	0	0	0	0	0	0	0	0
	TOTAL	2	0	0	0	0	0	0	0	0	0	0	0
POP UNDER 1000	FATAL	3	1	0	0	1	1	0	0	0	1	0	0
	INJURY	102	35	33	22	30	15	1	1	2	0	28	1
	DAMAGE	163	30	17	60	40	16	1	0	0	0	33	0
	TOTAL	268	66	50	82	71	32	2	1	2	0	62	1
FRANKLIN CO	FATAL	23	8	7	7	2	1	2	0	1	2	7	0
	INJURY	749	141	78	253	155	56	21	1	10	23	220	2
	DAMAGE	1649	228	61	493	371	172	8	10	2	1	302	2
	TOTAL	2421	377	146	743	528	229	31	11	13	26	529	4
NEW HAVEN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	2	0	0	0	1	0	0	0	0	0	1	0
	DAMAGE	24	1	0	8	8	3	0	0	0	0	1	1
	TOTAL	26	1	0	8	9	3	0	0	0	0	2	1
PACIFIC / FRA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	40	7	2	12	12	1	1	0	1	1	6	0
	DAMAGE	76	9	2	25	17	10	2	0	0	0	10	0
	TOTAL	116	16	4	37	29	11	3	0	1	1	16	0
ST. CLAIR	FATAL	1	0	0	0	0	0	0	0	0	1	0	0
	INJURY	46	8	7	19	13	7	0	1	1	2	5	0
	DAMAGE	110	19	6	30	29	7	0	3	0	1	10	0
	TOTAL	157	27	13	49	42	14	0	4	1	4	15	0
SULLIVAN / FRA	FATAL	1	0	0	0	0	1	0	0	1	0	0	0
	INJURY	37	4	2	17	10	1	4	0	1	2	4	0
	DAMAGE	121	13	8	29	26	11	0	0	0	0	14	0
	TOTAL	159	17	10	46	36	13	4	0	2	2	18	0
UNION	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	58	6	1	26	19	6	3	0	2	1	3	1
	DAMAGE	192	23	8	63	47	19	0	0	0	0	16	0
	TOTAL	250	29	9	89	66	25	3	0	2	1	19	1
WASHINGTON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	95	13	9	33	18	3	3	0	3	4	9	0
	DAMAGE	367	35	8	136	114	14	2	3	2	0	33	0
	TOTAL	462	48	17	169	132	17	5	3	5	4	42	0
POP UNDER 1000	FATAL	21	8	7	7	2	0	2	0	0	1	7	0
	INJURY	471	103	57	146	82	38	10	0	2	13	192	1
	DAMAGE	759	128	29	192	130	108	4	4	0	0	218	1
	TOTAL	1251	239	93	345	214	146	16	4	2	14	417	2
GASCONADE CO	FATAL	4	2	2	1	1	0	0	0	0	0	2	0
	INJURY	131	64	20	52	29	6	4	0	2	1	50	0
	DAMAGE	215	34	9	69	60	22	0	0	0	0	34	2
	TOTAL	350	100	31	122	90	28	4	0	2	1	86	2
HERMANN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	22	8	1	10	7	0	1	0	1	0	4	0
	DAMAGE	65	6	1	22	24	6	0	0	0	0	7	0
	TOTAL	87	14	2	32	31	6	1	0	1	0	11	0
OWENSVILLE	FATAL	1	1	1	0	0	0	0	0	0	0	1	0
	INJURY	16	4	0	8	6	0	0	0	1	0	1	0
	DAMAGE	44	1	1	18	14	1	0	0	0	0	2	0
	TOTAL	61	6	2	26	20	1	0	0	1	0	4	0
POP UNDER 1000	FATAL	3	1	1	1	1	0	0	0	0	0	1	0
	INJURY	93	52	19	34	16	6	3	0	0	1	45	0
	DAMAGE	106	27	7	29	22	15	0	0	0	0	25	2
	TOTAL	202	80	27	64	39	21	3	0	0	1	71	2
GENTRY CO	FATAL	2	2	1	1	0	0	0	0	0	0	0	0
	INJURY	31	13	6	9	5	2	1	0	0	1	15	0
	DAMAGE	90	20	3	20	26	6	0	0	0	0	21	0
	TOTAL	123	35	10	30	31	8	1	0	0	1	36	0
ALBANY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	3	1	0	1	1	0	0	0	0	0	2	0
	DAMAGE	36	4	0	8	13	4	0	0	0	0	4	0
	TOTAL	39	5	0	9	14	4	0	0	0	0	6	0

TABLE 4.0.1

**1993 MISSOURI TRAFFIC ACCIDENTS
COUNTY AND CITY SUMMARY¹**

CITY	ACCIDENT SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR		COMM VEH INV	MOTOR- CYCLE INV	SCHOOL		PEDES- TRIAN INV	FIXED OBJECT INV	HAZARD MATL INV	CONSTR ZONE INV
					UND 21 INV	55+ INV			BUS INV	BIKE INV				
STANBERRY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	2	0	0	1	1	1	0	0	0	0	0	0	0
	DAMAGE	15	3	0	5	4	0	0	0	0	0	4	0	0
	TOTAL	17	3	0	6	5	1	0	0	0	0	4	0	0
POP UNDER 1000	FATAL	2	2	1	1	0	0	0	0	0	0	0	0	0
	INJURY	26	12	6	7	3	1	1	0	0	1	13	0	0
	DAMAGE	39	13	3	7	9	2	0	0	0	0	13	0	0
	TOTAL	67	27	10	15	12	3	1	0	0	1	26	0	0
GREENE CO	FATAL	26	11	8	6	3	4	3	0	1	4	7	0	2
	INJURY	2708	452	250	946	689	165	55	8	39	56	397	1	12
	DAMAGE	4985	569	249	1507	1244	326	14	31	5	2	634	7	17
	TOTAL	7719	1032	507	2459	1936	565	72	39	45	62	1038	8	31
ASH GROVE	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	6	0	0	2	2	0	0	0	0	0	0	0	0
	TOTAL	7	0	0	2	3	0	0	0	0	0	0	0	0
BATTLEFIELD	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	7	2	0	2	2	0	0	0	1	0	2	0	0
	DAMAGE	3	0	1	0	0	0	0	0	0	0	1	0	0
	TOTAL	10	2	1	2	2	0	0	0	1	0	3	0	0
REPUBLIC	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	37	7	0	7	6	0	2	0	1	0	2	0	0
	DAMAGE	104	9	3	40	27	9	0	2	1	0	12	0	0
	TOTAL	141	16	3	47	33	9	2	2	2	0	14	0	0
SPRINGFIELD	FATAL	10	4	3	1	1	2	1	0	1	3	2	0	0
	INJURY	2149	274	175	767	585	104	41	7	32	53	203	0	3
	DAMAGE	4090	384	206	1221	1073	281	11	19	4	2	403	6	6
	TOTAL	6249	662	384	1989	1659	387	53	26	37	58	608	6	9
STRAFFORD	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	7	1	1	3	1	1	0	0	0	1	2	0	0
	DAMAGE	27	4	0	11	6	8	0	1	0	0	5	0	0
	TOTAL	34	5	1	14	7	9	0	1	0	1	7	0	0
WILLARD	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	9	1	0	5	5	0	0	0	0	0	0	0	0
	DAMAGE	13	0	1	2	7	1	0	0	0	0	0	0	0
	TOTAL	22	1	1	7	12	1	0	0	0	0	0	0	0
POP UNDER 1000	FATAL	16	7	5	5	2	2	2	0	0	1	5	0	2
	INJURY	498	167	74	162	89	60	12	1	5	2	188	1	9
	DAMAGE	742	172	38	231	129	97	3	9	0	0	213	1	11
	TOTAL	1256	346	117	398	220	159	17	10	5	3	406	2	22
GRUNDY CO	FATAL	4	2	1	2	0	1	0	0	0	0	0	0	0
	INJURY	67	14	10	28	14	7	0	0	2	1	23	1	0
	DAMAGE	233	35	10	78	70	12	1	1	0	0	44	0	0
	TOTAL	304	51	21	108	84	20	1	1	2	1	67	1	0
TRENTON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	37	5	4	17	12	4	0	0	2	1	8	1	0
	DAMAGE	168	19	5	58	58	3	1	1	0	0	25	0	0
	TOTAL	205	24	9	75	70	7	1	1	2	1	33	1	0
POP UNDER 1000	FATAL	4	2	1	2	0	1	0	0	0	0	0	0	0
	INJURY	30	9	6	11	2	3	0	0	0	0	15	0	0
	DAMAGE	65	16	5	20	12	9	0	0	0	0	19	0	0
	TOTAL	99	27	12	33	14	13	0	0	0	0	34	0	0
HARRISON CO	FATAL	3	1	0	1	1	1	1	0	0	0	0	0	0
	INJURY	48	13	10	15	10	7	1	0	0	1	20	0	0
	DAMAGE	137	13	3	31	42	31	1	0	0	0	19	1	1
	TOTAL	188	27	13	47	53	39	3	0	0	1	39	1	1
BETHANY	FATAL	1	0	0	0	0	1	1	0	0	0	0	0	0
	INJURY	10	1	3	4	1	1	0	0	0	0	4	0	0
	DAMAGE	53	3	1	16	25	7	1	0	0	0	6	0	0
	TOTAL	64	4	4	20	26	9	2	0	0	0	10	0	0
POP UNDER 1000	FATAL	2	1	0	1	1	0	0	0	0	0	0	0	0
	INJURY	38	12	7	11	9	6	1	0	0	1	16	0	0
	DAMAGE	84	10	2	15	17	24	0	0	0	0	13	1	1
	TOTAL	124	23	9	27	27	30	1	0	0	1	29	1	1

TABLE 4.0.1

**1993 MISSOURI TRAFFIC ACCIDENTS
COUNTY AND CITY SUMMARY ¹**

CITY	ACCIDENT SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR	DRVR	COMM	MOTOR-	SCHOOL	PEDES-	FIXED	HAZARD	CONSTR
					UND 21 INV	55+ INV	VEH INV	CYCLE INV	BUS INV	BIKE INV	TRIAN INV	OBJECT INV	MATL INV
HENRY CO	FATAL	8	3	3	1	4	1	0	0	0	0	0	0
	INJURY	182	50	27	52	63	17	2	1	3	4	48	0
	DAMAGE	400	82	15	104	116	58	0	2	0	0	93	0
	TOTAL	590	135	45	157	183	76	2	3	3	4	141	0
CLINTON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	94	16	3	31	42	9	0	0	3	3	13	0
	DAMAGE	216	40	3	66	64	28	0	1	0	0	37	0
	TOTAL	310	56	6	97	106	37	0	1	3	3	50	0
WINDSOR / HEN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	6	0	0	2	3	1	0	0	0	0	0	0
	DAMAGE	45	3	3	7	21	3	0	0	0	0	11	0
	TOTAL	51	3	3	9	24	4	0	0	0	0	11	0
POP UNDER 1000	FATAL	8	3	3	1	4	1	0	0	0	0	0	0
	INJURY	82	34	24	19	18	7	2	1	0	1	35	0
	DAMAGE	139	39	9	31	31	27	0	1	0	0	45	0
	TOTAL	229	76	36	51	53	35	2	2	0	1	80	0
HICKORY CO	FATAL	1	0	0	0	1	1	0	0	0	0	0	1
	INJURY	36	16	7	11	13	2	2	0	0	0	15	0
	DAMAGE	91	17	5	15	31	12	0	0	0	0	14	0
	TOTAL	128	33	12	26	45	15	2	0	0	0	29	1
POP UNDER 1000	FATAL	1	0	0	0	1	1	0	0	0	0	0	1
	INJURY	36	16	7	11	13	2	2	0	0	0	15	0
	DAMAGE	91	17	5	15	31	12	0	0	0	0	14	0
	TOTAL	128	33	12	26	45	15	2	0	0	0	29	1
HOLT CO	FATAL	1	1	0	0	0	0	0	0	0	0	0	0
	INJURY	49	13	5	12	14	5	0	0	1	0	20	0
	DAMAGE	106	33	1	26	16	23	0	0	0	0	28	1
	TOTAL	156	47	6	38	30	28	0	0	1	0	48	1
MOUND CITY	FATAL	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
	DAMAGE	3	0	0	2	0	1	0	0	0	0	0	0
	TOTAL	4	0	0	2	1	1	0	0	0	0	0	0
POP UNDER 1000	FATAL	1	1	0	0	0	0	0	0	0	0	0	0
	INJURY	48	13	5	12	13	5	0	0	1	0	20	0
	DAMAGE	103	33	1	24	16	22	0	0	0	0	28	1
	TOTAL	152	47	6	36	29	27	0	0	1	0	48	1
HOWARD CO	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	55	19	9	18	6	5	1	1	0	2	18	0
	DAMAGE	115	23	4	33	18	11	0	1	0	0	28	0
	TOTAL	170	42	13	51	24	16	1	2	0	2	46	0
FAYETTE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	6	2	2	1	0	0	0	0	0	1	3	0
	DAMAGE	10	2	0	3	4	0	0	0	0	0	1	0
	TOTAL	16	4	2	4	4	0	0	0	0	1	4	0
GLASGOW / HOW	FATAL	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
	DAMAGE	25	5	1	3	7	3	0	0	0	0	6	0
	TOTAL	26	5	1	3	7	3	0	0	0	0	6	0
NEW FRANKLIN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	2	0	0	0	0	0	0	0	0	1	0	0
	DAMAGE	6	1	0	2	1	1	0	0	0	0	0	0
	TOTAL	8	1	0	2	1	1	0	0	0	1	0	0
POP UNDER 1000	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	46	17	7	17	6	5	1	1	0	0	15	0
	DAMAGE	74	15	3	25	6	7	0	1	0	0	21	0
	TOTAL	120	32	10	42	12	12	1	2	0	0	36	0
HOWELL CO	FATAL	12	5	0	3	4	3	0	0	0	0	2	0
	INJURY	300	62	38	105	85	31	10	1	3	6	81	1
	DAMAGE	608	59	29	207	178	69	2	3	1	0	78	1
	TOTAL	920	126	67	315	267	103	12	4	4	6	161	2
MOUNTAIN VIEW	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	19	9	1	7	5	2	1	0	0	0	2	0
	DAMAGE	33	7	2	8	12	2	0	0	0	0	0	0
	TOTAL	52	16	3	15	17	4	1	0	0	0	2	0

TABLE 4.0.1

**1993 MISSOURI TRAFFIC ACCIDENTS
COUNTY AND CITY SUMMARY¹**

CITY	ACCIDENT SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR	DRVR	COMM	MOTOR-	SCHOOL	PEDES-	FIXED	HAZARD	CONSTR
					UND 21 INV	55+ INV	VEH INV	CYCLE INV	BUS INV	BIKE INV	TRIAN INV	OBJECT INV	MATL INV
WEST PLAINS	FATAL	1	0	0	0	1	0	0	0	0	0	0	0
	INJURY	94	6	8	36	32	6	3	1	2	2	15	0
	DAMAGE	365	21	14	128	112	28	2	0	0	0	40	0
	TOTAL	460	27	22	164	145	34	5	1	2	2	55	0
WILLOW SPRINGS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	25	4	4	11	8	1	1	0	0	1	8	0
	DAMAGE	39	1	1	13	13	4	0	0	1	0	2	0
	TOTAL	64	5	5	24	21	5	1	0	1	1	10	0
POP UNDER 1000	FATAL	11	5	0	3	3	3	0	0	0	0	2	0
	INJURY	162	43	25	51	40	22	5	0	1	3	56	1
	DAMAGE	171	30	12	58	41	35	0	3	0	0	36	1
	TOTAL	344	78	37	112	84	60	5	3	1	3	94	2
IRON CO	FATAL	6	2	1	1	1	0	1	0	0	1	2	0
	INJURY	64	23	17	13	15	4	4	0	0	3	25	0
	DAMAGE	130	22	8	30	31	16	0	0	1	0	44	0
	TOTAL	200	47	26	44	47	20	5	0	1	4	71	0
IRONTON	FATAL	1	0	0	0	1	0	1	0	0	0	0	0
	INJURY	10	2	1	4	5	0	0	0	0	1	1	0
	DAMAGE	34	3	2	8	9	2	0	0	1	0	6	0
	TOTAL	45	5	3	12	15	2	1	0	1	1	7	0
POP UNDER 1000	FATAL	5	2	1	1	0	0	0	0	0	1	2	0
	INJURY	54	21	16	9	10	4	4	0	0	2	24	0
	DAMAGE	96	19	6	22	22	14	0	0	0	0	38	0
	TOTAL	155	42	23	32	32	18	4	0	0	3	64	0
JACKSON CO	FATAL	80	34	15	18	19	10	2	0	2	14	30	0
	INJURY	8831	1762	734	2030	2012	518	169	87	123	433	1085	1
	DAMAGE	26162	4222	832	4351	4676	1623	54	389	21	30	2897	3
	TOTAL	35073	6018	1581	6399	6707	2151	225	476	146	477	4012	4
BLUE SPRINGS	FATAL	4	1	1	2	1	2	0	0	0	2	0	0
	INJURY	363	100	27	140	66	22	9	2	14	13	31	0
	DAMAGE	1087	206	39	395	188	51	4	11	0	0	112	1
	TOTAL	1454	307	67	537	255	75	13	13	14	15	143	1
BUCKNER	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	7	1	0	2	1	1	0	0	0	1	0	0
	DAMAGE	22	4	0	3	8	0	0	0	2	0	2	0
	TOTAL	29	5	0	5	9	1	0	0	2	1	2	0
GRAIN VALLEY	FATAL	1	1	1	0	0	0	0	0	0	0	1	0
	INJURY	20	10	0	5	5	3	0	0	0	1	4	0
	DAMAGE	73	25	1	18	19	10	0	0	0	0	14	0
	TOTAL	94	36	2	23	24	13	0	0	0	1	19	0
GRANDVIEW	FATAL	1	0	0	0	1	0	0	0	0	0	0	0
	INJURY	115	21	10	40	25	4	3	0	3	1	24	0
	DAMAGE	323	49	20	91	79	20	0	6	1	0	56	0
	TOTAL	439	70	30	131	105	24	3	6	4	1	80	0
GREENWOOD	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	4	0	0	0	0	1	0	1	1	2	0	0
	DAMAGE	6	0	0	2	0	2	0	0	0	0	1	0
	TOTAL	10	0	0	2	0	3	0	1	1	2	1	0
INDEPENDENCE / JAC	FATAL	10	5	1	2	2	3	0	0	0	1	2	0
	INJURY	1276	329	144	384	354	46	24	7	11	32	176	0
	DAMAGE	2742	526	137	734	655	137	11	22	2	0	360	0
	TOTAL	4028	860	282	1120	1011	186	35	29	13	33	538	0
KANSAS CITY / JAC	FATAL	53	24	9	14	9	4	2	0	2	9	23	0
	INJURY	6181	1108	486	1126	1363	402	107	75	83	364	705	0
	DAMAGE	19523	2953	546	2442	3218	1225	34	337	15	29	1995	1
	TOTAL	25757	4085	1041	3582	4590	1631	143	412	100	402	2723	1
LAKE LOTAWANA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	2	1	0	1	1	0	0	0	0	0	1	0
	DAMAGE	12	2	1	3	0	1	0	0	0	0	2	0
	TOTAL	14	3	1	4	1	1	0	0	0	0	3	0
LEE'S SUMMIT / JAC	FATAL	4	0	0	0	3	1	0	0	0	1	1	0
	INJURY	357	72	33	141	81	10	13	0	2	10	46	1
	DAMAGE	1064	198	35	327	209	74	1	3	0	0	119	0
	TOTAL	1425	270	68	468	293	85	14	3	2	11	166	1

TABLE 4.0.1

**1993 MISSOURI TRAFFIC ACCIDENTS
COUNTY AND CITY SUMMARY¹**

CITY	ACCIDENT SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR	DRVR	COMM	MOTOR-	SCHOOL	PEDES-	FIXED	HAZARD	CONSTR
					UND 21 INV	55+ INV	VEH INV	CYCLE INV	BUS INV	BIKE INV	TRIAN INV	OBJECT INV	MATL INV
OAK GROVE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	22	5	2	10	2	2	1	0	0	1	3	0
	DAMAGE	93	27	7	31	7	10	0	0	0	0	17	0
	TOTAL	115	32	9	41	9	12	1	0	0	1	20	0
RAYTOWN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	231	33	13	83	75	9	3	1	7	6	14	0
	DAMAGE	676	79	18	183	221	44	3	4	1	1	70	1
	TOTAL	907	112	31	266	296	53	6	5	8	7	84	1
SUGAR CREEK / JAC	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	33	15	2	8	6	2	1	0	2	0	8	0
	DAMAGE	71	20	5	11	12	5	0	0	0	0	23	0
	TOTAL	104	35	7	19	18	7	1	0	2	0	31	0
POP UNDER 1000	FATAL	7	3	3	0	3	0	0	0	0	1	3	0
	INJURY	220	67	17	90	33	16	8	1	0	2	73	0
	DAMAGE	470	133	23	111	60	44	1	6	0	0	126	0
	TOTAL	697	203	43	201	96	60	9	7	0	3	202	0
JASPER CO	FATAL	16	5	2	4	5	2	0	0	0	2	5	0
	INJURY	1051	189	103	377	284	65	24	1	15	32	173	0
	DAMAGE	2354	302	114	721	608	209	7	9	4	0	277	1
	TOTAL	3421	496	219	1102	897	276	31	10	19	34	455	1
CARL JUNCTION	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	3	1	2	0	0	0	0	0	0	1	2	0
	DAMAGE	22	4	2	10	6	4	0	1	0	0	1	0
	TOTAL	25	5	4	10	6	4	0	1	0	1	3	0
CARTHAGE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	107	11	5	39	33	5	2	0	2	3	12	0
	DAMAGE	187	17	7	71	43	17	1	0	0	0	25	0
	TOTAL	294	28	12	110	76	22	3	0	2	3	37	0
DUQUESNE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	22	9	3	9	8	3	0	0	0	1	3	0
	DAMAGE	35	12	1	17	7	3	0	0	0	0	9	0
	TOTAL	57	21	4	26	15	6	0	0	0	1	12	0
JOPLIN / JAS	FATAL	1	0	0	1	0	0	0	0	0	1	0	0
	INJURY	581	59	44	219	178	22	11	0	10	20	41	0
	DAMAGE	1448	121	57	449	412	87	5	2	2	0	87	0
	TOTAL	2030	180	101	669	590	109	16	2	12	21	128	0
SARCOXIE	FATAL	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
	DAMAGE	7	0	1	2	2	1	0	1	0	0	0	0
	TOTAL	7	0	1	2	2	1	0	1	0	0	0	0
WEBB CITY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	61	13	6	22	18	5	2	0	1	4	5	0
	DAMAGE	156	23	8	38	42	12	0	0	2	0	17	0
	TOTAL	217	36	14	60	60	17	2	0	3	4	22	0
POP UNDER 1000	FATAL	15	5	2	3	5	2	0	0	0	1	5	0
	INJURY	277	96	43	88	47	30	9	1	2	3	110	0
	DAMAGE	499	125	38	134	96	85	1	5	0	0	138	1
	TOTAL	791	226	83	225	148	117	10	6	2	4	253	1
JEFFERSON CO	FATAL	28	12	10	12	8	3	1	0	0	4	15	0
	INJURY	1576	561	210	549	279	89	32	11	11	27	486	3
	DAMAGE	2945	691	141	883	591	198	2	29	0	0	605	1
	TOTAL	4549	1264	361	1444	878	290	35	40	11	31	1106	4
ARNOLD	FATAL	1	0	0	0	1	1	0	0	0	1	0	0
	INJURY	238	59	24	94	50	9	5	1	2	6	35	1
	DAMAGE	523	102	20	161	119	31	1	3	0	0	57	0
	TOTAL	762	161	44	255	170	41	6	4	2	7	92	1
BYRNE'S MILL	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	9	2	2	3	2	1	0	0	0	0	1	0
	DAMAGE	19	6	2	5	3	2	0	0	0	0	3	0
	TOTAL	28	8	4	8	5	3	0	0	0	0	4	0
CRYSTAL CITY	FATAL	1	0	0	0	1	0	0	0	0	1	0	0
	INJURY	45	10	3	15	16	2	1	0	1	2	5	0
	DAMAGE	140	20	6	46	47	6	0	1	0	0	9	0
	TOTAL	186	30	9	61	64	8	1	1	1	3	14	0

TABLE 4.0.1

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COUNTY AND CITY SUMMARY¹**

CITY	ACCIDENT SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR	DRVR	COMM	MOTOR-	SCHOOL	PEDES-	FIXED	HAZARD	CONSTR
					UND 21 INV	55+ INV	VEH INV	CYCLE INV	BUS INV	BIKE INV	TRIAN INV	OBJECT INV	MATL INV
DESOTO	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	41	6	6	17	6	1	0	0	2	0	8	0
	DAMAGE	148	22	9	50	40	8	0	2	0	0	24	0
	TOTAL	189	28	15	67	46	9	0	2	2	0	32	0
FESTUS	FATAL	2	0	0	1	1	0	0	0	0	1	0	0
	INJURY	87	19	5	36	29	3	1	0	0	1	14	0
	DAMAGE	288	24	6	92	71	10	0	1	0	0	31	0
	TOTAL	377	43	11	129	101	13	1	1	0	2	46	0
HERCULANEUM	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	38	8	6	7	7	4	1	1	1	1	12	0
	DAMAGE	68	16	4	11	18	9	0	2	0	0	9	0
	TOTAL	106	24	10	18	25	13	1	3	1	1	21	0
HILLSBORO	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	27	4	3	13	8	2	0	2	0	0	5	0
	DAMAGE	37	8	1	16	12	2	0	0	0	0	2	0
	TOTAL	64	12	4	29	20	4	0	2	0	0	7	0
PEVELY	FATAL	1	0	0	1	0	1	0	0	0	0	0	0
	INJURY	41	8	5	14	9	4	0	0	1	1	9	0
	DAMAGE	111	22	4	24	17	19	0	1	0	0	19	0
	TOTAL	153	30	9	39	26	24	0	1	1	1	28	0
POP UNDER 1000	FATAL	23	12	10	10	5	1	1	0	0	1	14	0
	INJURY	1050	445	156	350	152	63	24	7	4	16	397	2
	DAMAGE	1611	471	89	478	264	111	1	19	0	0	451	1
	TOTAL	2684	928	255	838	421	175	26	26	4	17	862	3
JOHNSON CO	FATAL	6	0	3	2	2	0	0	0	0	0	1	0
	INJURY	261	82	41	79	45	13	4	0	2	13	95	0
	DAMAGE	1131	201	31	362	176	67	5	6	1	1	201	2
	TOTAL	1398	283	75	443	223	80	9	6	3	14	297	2
HOLDEN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	3	1	0	0	1	0	0	0	0	1	0	0
	DAMAGE	28	2	1	9	11	4	0	1	0	0	2	0
	TOTAL	31	3	1	9	12	4	0	1	0	1	2	0
KNOB NOSTER	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	10	2	0	1	2	1	0	0	0	0	2	0
	DAMAGE	59	10	2	17	9	2	0	0	1	0	11	0
	TOTAL	69	12	2	18	11	3	0	0	1	0	13	0
WARRENSBURG	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	88	15	12	36	17	3	1	0	1	11	4	0
	DAMAGE	505	79	14	200	89	23	3	3	0	1	32	0
	TOTAL	593	94	26	236	106	26	4	3	1	12	36	0
POP UNDER 1000	FATAL	6	0	3	2	2	0	0	0	0	0	1	0
	INJURY	160	64	29	42	25	9	3	0	1	1	89	0
	DAMAGE	539	110	14	136	67	38	2	2	0	0	156	2
	TOTAL	705	174	46	180	94	47	5	2	1	1	246	2
KNOX CO	FATAL	3	0	0	0	2	1	0	0	0	0	1	0
	INJURY	18	6	4	4	4	1	0	0	0	1	12	0
	DAMAGE	51	7	5	11	13	7	0	0	0	0	8	1
	TOTAL	72	13	9	15	19	9	0	0	0	1	21	1
EDINA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	0	0	0	1	0	0	0	0	1	0	0
	DAMAGE	10	1	1	1	7	1	0	0	0	0	1	1
	TOTAL	11	1	1	1	8	1	0	0	0	1	1	1
POP UNDER 1000	FATAL	3	0	0	0	2	1	0	0	0	0	1	0
	INJURY	17	6	4	4	3	1	0	0	0	0	12	0
	DAMAGE	41	6	4	10	6	6	0	0	0	0	7	0
	TOTAL	61	12	8	14	11	8	0	0	0	0	20	0
LACLEDE CO	FATAL	10	3	3	0	5	2	0	0	0	1	3	1
	INJURY	279	54	28	82	73	28	3	3	1	9	58	1
	DAMAGE	572	61	30	168	154	64	0	5	0	1	89	4
	TOTAL	861	118	61	250	232	94	3	8	1	11	150	6
LEBANON	FATAL	2	0	1	0	0	0	0	0	0	1	1	0
	INJURY	155	16	8	44	50	9	2	3	1	6	12	1
	DAMAGE	314	20	11	100	113	21	0	4	0	1	18	1
	TOTAL	471	36	20	144	163	30	2	7	1	8	31	2

TABLE 4.0.1

**1993 MISSOURI TRAFFIC ACCIDENTS
COUNTY AND CITY SUMMARY ¹**

CITY	ACCIDENT SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR	DRVR	COMM	MOTOR-	SCHOOL	PEDES- TRIAN INV	FIXED OBJECT INV	HAZARD MATL INV	CONSTR ZONE INV	
					UND 21 INV	55+ INV	VEH INV	CYCLE INV	BUS INV					BIKE INV
POP UNDER 1000	FATAL	8	3	2	0	5	2	0	0	0	0	2	1	0
	INJURY	124	38	20	38	23	19	1	0	0	3	46	0	2
	DAMAGE	258	41	19	68	41	43	0	1	0	0	71	3	4
	TOTAL	390	82	41	106	69	64	1	1	0	3	119	4	6
LAFAYETTE CO	FATAL	7	0	2	3	3	3	0	0	0	0	1	0	0
	INJURY	230	63	27	68	46	34	5	0	5	6	75	0	0
	DAMAGE	619	116	33	147	137	90	0	2	0	0	136	2	3
	TOTAL	856	179	62	218	186	127	5	2	5	6	212	2	3
CONCORDIA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	8	2	1	2	4	2	0	0	0	0	2	0	0
	DAMAGE	28	5	1	8	8	4	0	0	0	0	1	0	0
	TOTAL	36	7	2	10	12	6	0	0	0	0	3	0	0
HIGGINSVILLE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	24	1	0	13	8	0	0	0	2	3	1	0	0
	DAMAGE	90	6	4	28	33	8	0	0	0	0	14	0	0
	TOTAL	114	7	4	41	41	8	0	0	2	3	15	0	0
LEXINGTON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	33	3	2	10	8	2	0	0	2	1	0	0	0
	DAMAGE	126	17	3	41	32	5	0	0	0	0	17	0	0
	TOTAL	159	20	5	51	40	7	0	0	2	1	17	0	0
ODESSA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	15	3	0	2	6	1	1	0	1	2	5	0	0
	DAMAGE	48	2	4	13	10	5	0	0	0	0	4	0	0
	TOTAL	63	5	4	15	16	6	1	0	1	2	9	0	0
POP UNDER 1000	FATAL	7	0	2	3	3	3	0	0	0	0	1	0	0
	INJURY	150	54	24	41	20	29	4	0	0	0	67	0	0
	DAMAGE	327	86	21	57	54	68	0	2	0	0	100	2	3
	TOTAL	484	140	47	101	77	100	4	2	0	0	168	2	3
LAWRENCE CO	FATAL	7	2	1	1	2	1	1	0	0	0	1	0	0
	INJURY	270	83	26	90	62	37	4	0	9	4	72	1	1
	DAMAGE	469	90	24	147	127	72	0	1	0	0	118	0	4
	TOTAL	746	175	51	238	191	110	5	1	9	4	191	1	5
AURORA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	69	5	5	30	17	1	1	0	3	1	4	0	0
	DAMAGE	107	3	4	37	44	9	0	0	0	0	10	0	0
	TOTAL	176	8	9	67	61	10	1	0	3	1	14	0	0
MARIONVILLE	FATAL	1	0	0	0	1	0	0	0	0	0	0	0	0
	INJURY	9	1	0	3	3	1	0	0	0	0	1	0	0
	DAMAGE	14	0	0	8	3	0	0	0	0	0	0	0	0
	TOTAL	24	1	0	11	7	1	0	0	0	0	1	0	0
MONETT / LAW	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	7	1	0	5	1	0	0	0	0	0	0	0	0
	DAMAGE	16	1	0	5	2	2	0	1	0	0	6	0	0
	TOTAL	23	2	0	10	3	2	0	1	0	0	6	0	0
MOUNT VERNON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	19	5	1	8	7	3	0	0	1	1	4	0	0
	DAMAGE	74	2	2	24	30	10	0	0	0	0	8	0	0
	TOTAL	93	7	3	32	37	13	0	0	1	1	12	0	0
PIERCE CITY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	3	0	1	0	2	0	0	0	0	0	0	0	0
	DAMAGE	3	1	1	1	1	0	0	0	0	0	1	0	0
	TOTAL	6	1	2	1	3	0	0	0	0	0	1	0	0
POP UNDER 1000	FATAL	6	2	1	1	1	1	1	0	0	0	1	0	0
	INJURY	163	71	19	44	32	32	3	0	5	2	63	1	1
	DAMAGE	255	83	17	72	47	51	0	0	0	0	93	0	4
	TOTAL	424	156	37	117	80	84	4	0	5	2	157	1	5
LEWIS CO	FATAL	2	1	0	0	2	0	0	0	0	0	1	0	0
	INJURY	65	15	11	21	14	10	4	0	0	0	23	1	0
	DAMAGE	156	17	7	26	31	23	0	4	0	0	25	0	0
	TOTAL	223	33	18	47	47	33	4	4	0	0	49	1	0
CANTON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	3	0	1	1	2	0	1	0	0	0	1	0	0
	DAMAGE	33	1	2	6	6	3	0	0	0	0	1	0	0
	TOTAL	36	1	3	7	8	3	1	0	0	0	2	0	0

TABLE 4.0.1

**1993 MISSOURI TRAFFIC ACCIDENTS
COUNTY AND CITY SUMMARY¹**

CITY	ACCIDENT SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR	DRVR	COMM	MOTOR-	SCHOOL	PEDES-	FIXED	HAZARD	CONSTR	
					UND 21 INV	55+ INV	VEH INV	CYCLE INV	BUS INV		BIKE INV	TRIAN INV	OBJECT INV	MATL INV
LA GRANGE	FATAL	1	0	0	0	1	0	0	0	0	0	1	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	7	2	0	2	0	0	0	0	0	0	1	0	0
	TOTAL	8	2	0	2	1	0	0	0	0	0	2	0	0
POP UNDER 1000	FATAL	1	1	0	0	1	0	0	0	0	0	0	0	0
	INJURY	62	15	10	20	12	10	3	0	0	0	22	1	0
	DAMAGE	116	14	5	18	25	20	0	4	0	0	23	0	0
	TOTAL	179	30	15	38	38	30	3	4	0	0	45	1	0
LINCOLN CO	FATAL	10	3	2	4	3	0	0	0	1	1	1	0	0
	INJURY	161	39	25	59	30	16	3	0	2	3	40	0	0
	DAMAGE	338	43	18	124	74	30	0	3	1	0	30	2	2
	TOTAL	509	85	45	187	107	46	3	3	4	4	71	2	2
ELSBERRY	FATAL	1	0	0	0	1	0	0	0	0	1	0	0	0
	INJURY	10	1	1	4	2	1	0	0	2	1	1	0	0
	DAMAGE	38	0	3	12	14	1	0	0	0	0	1	0	0
	TOTAL	49	1	4	16	17	2	0	0	2	2	2	0	0
TROY	FATAL	1	0	0	1	0	0	0	0	0	0	0	0	0
	INJURY	24	4	1	11	3	1	0	0	0	0	3	0	0
	DAMAGE	98	12	1	34	31	5	0	0	1	0	4	0	0
	TOTAL	123	16	2	46	34	6	0	0	1	0	7	0	0
POP UNDER 1000	FATAL	8	3	2	3	2	0	0	0	1	0	1	0	0
	INJURY	127	34	23	44	25	14	3	0	0	2	36	0	0
	DAMAGE	202	31	14	78	29	24	0	3	0	0	25	2	2
	TOTAL	337	68	39	125	56	38	3	3	1	2	62	2	2
LINN CO	FATAL	3	1	1	2	1	1	0	0	0	1	0	0	0
	INJURY	90	15	9	38	21	7	1	2	1	5	25	0	0
	DAMAGE	283	33	9	91	63	21	0	0	0	0	51	0	0
	TOTAL	376	49	19	131	85	29	1	2	1	6	76	0	0
BROOKFIELD	FATAL	1	0	0	1	0	0	0	0	0	1	0	0	0
	INJURY	31	3	3	13	8	1	0	1	0	4	6	0	0
	DAMAGE	132	12	5	51	42	11	0	0	0	0	24	0	0
	TOTAL	164	15	8	65	50	12	0	1	0	5	30	0	0
MARCELINE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	8	0	2	3	3	1	0	1	0	0	2	0	0
	DAMAGE	30	6	1	13	6	2	0	0	0	0	2	0	0
	TOTAL	38	6	3	16	9	3	0	1	0	0	4	0	0
POP UNDER 1000	FATAL	2	1	1	1	1	1	0	0	0	0	0	0	0
	INJURY	51	12	4	22	10	5	1	0	1	1	17	0	0
	DAMAGE	121	15	3	27	15	8	0	0	0	0	25	0	0
	TOTAL	174	28	8	50	26	14	1	0	1	1	42	0	0
LIVINGSTON CO	FATAL	2	0	1	0	1	0	0	0	0	0	0	0	0
	INJURY	98	24	8	39	32	7	6	0	2	2	23	0	1
	DAMAGE	349	40	11	101	103	29	0	1	0	0	39	2	1
	TOTAL	449	64	20	140	136	36	6	1	2	2	62	2	2
CHILLICOTHE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	55	4	2	19	23	3	0	0	2	1	7	0	0
	DAMAGE	256	25	6	77	80	14	0	1	0	0	18	1	0
	TOTAL	311	29	8	96	103	17	0	1	2	1	25	1	0
POP UNDER 1000	FATAL	2	0	1	0	1	0	0	0	0	0	0	0	0
	INJURY	43	20	6	20	9	4	6	0	0	1	16	0	1
	DAMAGE	93	15	5	24	23	15	0	0	0	0	21	1	1
	TOTAL	138	35	12	44	33	19	6	0	0	1	37	1	2
MC DONALD CO	FATAL	9	6	1	1	1	0	0	0	0	1	2	0	0
	INJURY	145	76	38	33	19	14	4	2	1	2	61	0	1
	DAMAGE	247	86	27	72	52	32	1	4	0	0	71	0	1
	TOTAL	401	168	66	106	72	46	5	6	1	3	134	0	2
ANDERSON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	7	2	0	3	0	1	0	1	1	0	2	0	0
	DAMAGE	15	3	0	8	3	2	0	0	0	0	1	0	0
	TOTAL	22	5	0	11	3	3	0	1	1	0	3	0	0
GOODMAN	FATAL	1	0	0	0	1	0	0	0	0	0	0	0	0
	INJURY	2	0	0	1	1	2	0	0	0	0	0	0	0
	DAMAGE	11	5	0	4	5	1	0	0	0	0	1	0	0
	TOTAL	14	5	0	5	7	3	0	0	0	0	1	0	0

TABLE 4.0.1

**1993 MISSOURI TRAFFIC ACCIDENTS
COUNTY AND CITY SUMMARY¹**

CITY	ACCIDENT SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR	DRVR	COMM	MOTOR-	SCHOOL	PEDES-	FIXED	HAZARD	CONSTR
					UND21	55+	VEH	CYCLE	BUS				
					INV	INV	INV	INV	INV	INV	INV	INV	INV
NOEL	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	14	6	6	2	2	1	0	1	0	1	8	0
	DAMAGE	34	14	6	10	4	2	1	0	0	0	11	0
	TOTAL	48	20	12	12	6	3	1	1	0	1	19	0
POP UNDER 1000	FATAL	8	6	1	1	0	0	0	0	0	1	2	0
	INJURY	122	68	32	27	16	10	4	0	0	1	51	0
	DAMAGE	187	64	21	50	40	27	0	4	0	0	58	0
	TOTAL	317	138	54	78	56	37	4	4	0	2	111	0
MACON CO	FATAL	3	1	0	0	1	1	0	0	0	0	1	0
	INJURY	88	17	10	24	29	13	1	0	1	4	25	0
	DAMAGE	318	28	9	75	84	42	0	1	0	1	41	0
	TOTAL	409	46	19	99	114	56	1	1	1	5	67	0
LA PLATA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	2	0	0	0	1	0	0	0	0	0	2	0
	DAMAGE	17	1	0	6	6	5	0	0	0	0	3	0
	TOTAL	19	1	0	6	7	5	0	0	0	0	5	0
MACON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	28	6	4	9	9	2	0	0	0	3	5	0
	DAMAGE	119	12	6	36	41	9	0	0	0	1	13	0
	TOTAL	147	18	10	45	50	11	0	0	0	4	18	0
POP UNDER 1000	FATAL	3	1	0	0	1	1	0	0	0	0	1	0
	INJURY	58	11	6	15	19	11	1	0	1	1	18	0
	DAMAGE	182	15	3	33	37	28	0	1	0	0	25	0
	TOTAL	243	27	9	48	57	40	1	1	1	1	44	0
MADISON CO	FATAL	3	0	0	0	2	1	0	0	0	1	0	0
	INJURY	72	23	13	23	10	6	2	0	3	2	30	0
	DAMAGE	180	24	9	52	40	23	0	3	0	0	30	0
	TOTAL	255	47	22	75	52	30	2	3	3	3	60	0
FREDERICKTOWN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	11	3	1	4	2	0	0	0	2	1	2	0
	DAMAGE	73	5	4	31	19	7	0	2	0	0	8	0
	TOTAL	84	8	5	35	21	7	0	2	2	1	10	0
POP UNDER 1000	FATAL	3	0	0	0	2	1	0	0	0	1	0	0
	INJURY	61	20	12	19	8	6	2	0	1	1	28	0
	DAMAGE	107	19	5	21	21	16	0	1	0	0	22	0
	TOTAL	171	39	17	40	31	23	2	1	1	2	50	0
MARIES CO	FATAL	3	1	0	0	1	2	0	0	0	0	0	0
	INJURY	46	11	8	15	9	3	0	0	0	0	18	0
	DAMAGE	107	18	4	15	27	12	1	0	0	0	37	0
	TOTAL	156	30	12	30	37	17	1	0	0	0	55	0
BELLE / MAR	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	2	1	1	2	1	0	0	0	0	0	0	0
	DAMAGE	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL	2	1	1	2	1	0	0	0	0	0	0	0
POP UNDER 1000	FATAL	3	1	0	0	1	2	0	0	0	0	0	0
	INJURY	44	10	7	13	8	3	0	0	0	0	18	0
	DAMAGE	107	18	4	15	27	12	1	0	0	0	37	0
	TOTAL	154	29	11	28	36	17	1	0	0	0	55	0
MARION CO	FATAL	2	2	1	1	0	0	0	0	0	0	2	0
	INJURY	264	51	30	90	73	25	4	0	8	9	49	0
	DAMAGE	928	123	39	239	214	73	2	2	2	1	102	1
	TOTAL	1194	176	70	330	287	98	6	2	10	10	153	1
HANNIBAL / MAR	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	161	23	15	58	44	13	3	0	6	9	16	0
	DAMAGE	701	81	30	173	165	40	2	2	1	1	57	0
	TOTAL	862	104	45	231	209	53	5	2	7	10	73	0
MONROE CITY / MAR	FATAL	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
	DAMAGE	2	0	0	1	1	0	0	0	0	0	0	0
	TOTAL	3	0	0	2	1	0	0	0	0	0	0	0
PALMYRA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	17	3	0	6	8	1	0	0	1	0	2	0
	DAMAGE	73	12	6	26	21	4	0	0	4	0	9	0
	TOTAL	90	15	6	32	29	5	0	0	2	0	11	0

TABLE 4.0.1

**1993 MISSOURI TRAFFIC ACCIDENTS
COUNTY AND CITY SUMMARY¹**

CITY	ACCIDENT SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR	DRVR	COMM	MOTOR-	SCHOOL	PEDES-	FIXED	HAZARD	CONSTR
					UND 21 INV	55 + INV	VEH INV	CYCLE INV	BUS INV	BIKE INV	TRIAN INV	OBJECT INV	MATL INV
POP UNDER 1000	FATAL	2	2	1	1	0	0	0	0	0	2	0	0
	INJURY	85	25	15	25	21	11	1	0	1	31	0	3
	DAMAGE	152	30	3	39	27	29	0	0	0	36	1	4
	TOTAL	239	57	19	65	48	40	1	0	1	69	1	7
MERCER CO	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	34	10	13	14	3	4	0	0	0	1	18	0
	DAMAGE	39	7	1	12	5	6	0	0	0	8	0	1
	TOTAL	73	17	14	26	8	10	0	0	0	1	26	0
PRINCETON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	5	2	2	1	1	1	0	0	0	0	0	0
	DAMAGE	11	2	0	3	2	1	0	0	0	3	0	0
	TOTAL	16	4	2	4	3	2	0	0	0	0	5	0
POP UNDER 1000	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	29	8	11	13	2	3	0	0	0	1	15	0
	DAMAGE	28	5	1	9	3	5	0	0	0	6	0	1
	TOTAL	57	13	12	22	5	8	0	0	0	1	21	0
MILLER CO	FATAL	4	2	1	1	2	1	0	0	0	1	0	0
	INJURY	190	51	26	73	36	14	4	2	3	4	58	0
	DAMAGE	406	77	19	116	93	31	0	1	0	0	86	0
	TOTAL	600	130	46	190	131	46	4	3	3	4	145	0
ELDON	FATAL	1	0	0	0	1	1	0	0	0	0	0	0
	INJURY	25	1	1	9	6	2	1	1	3	3	2	0
	DAMAGE	125	12	1	42	40	5	0	0	0	8	0	0
	TOTAL	151	13	2	51	47	8	1	1	3	3	10	0
OSAGE BEA / MIL	FATAL	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
	DAMAGE	3	1	0	2	0	0	0	0	0	2	0	0
	TOTAL	3	1	0	2	0	0	0	0	0	2	0	0
POP UNDER 1000	FATAL	3	2	1	1	1	0	0	0	0	1	0	0
	INJURY	165	50	25	64	30	12	3	1	0	56	0	0
	DAMAGE	278	64	18	72	53	26	0	1	0	76	0	0
	TOTAL	446	116	44	137	84	38	3	2	0	1	133	0
MISSISSIPPI CO	FATAL	1	0	0	0	1	1	0	0	0	0	0	0
	INJURY	87	21	17	15	22	10	0	0	3	7	18	0
	DAMAGE	249	36	20	62	71	32	0	1	0	47	2	1
	TOTAL	337	57	37	77	94	43	0	1	3	7	65	2
CHARLESTON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	29	3	5	4	10	2	0	0	1	6	4	0
	DAMAGE	99	9	4	27	38	7	0	0	0	14	0	1
	TOTAL	128	12	9	31	48	9	0	0	1	6	18	0
EAST PRAIRIE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	14	1	2	5	1	0	0	0	2	2	0	0
	DAMAGE	65	3	7	24	17	1	0	0	0	11	0	0
	TOTAL	79	4	9	29	18	1	0	0	2	0	13	0
POP UNDER 1000	FATAL	1	0	0	0	1	1	0	0	0	0	0	0
	INJURY	44	17	10	6	11	8	0	0	0	1	12	0
	DAMAGE	85	24	9	11	16	24	0	1	0	0	22	0
	TOTAL	130	41	19	17	28	33	0	1	0	1	34	2
MONTEAU CO	FATAL	3	1	1	2	0	1	0	0	0	1	0	0
	INJURY	60	18	7	28	18	2	2	0	1	2	14	0
	DAMAGE	236	39	12	81	59	8	0	0	0	0	44	0
	TOTAL	299	58	20	111	77	11	2	0	1	2	59	0
CALIFORNIA	FATAL	1	0	0	1	0	1	0	0	0	0	0	0
	INJURY	17	2	0	7	9	0	2	0	0	2	0	0
	DAMAGE	116	9	3	48	32	2	0	0	0	0	9	0
	TOTAL	134	11	3	56	41	3	2	0	0	2	9	0
TIPTON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	16	2	0	8	5	0	0	0	1	0	1	0
	DAMAGE	19	0	1	6	7	2	0	0	0	0	0	0
	TOTAL	35	2	1	14	12	2	0	0	1	0	1	0
POP UNDER 1000	FATAL	2	1	1	1	0	0	0	0	0	1	0	0
	INJURY	27	14	7	13	4	2	0	0	0	13	0	0
	DAMAGE	102	30	8	27	20	4	0	0	0	35	0	1
	TOTAL	131	45	16	41	24	6	0	0	0	0	49	0

TABLE 4.0.1

**1993 MISSOURI TRAFFIC ACCIDENTS
COUNTY AND CITY SUMMARY ¹**

CITY	ACCIDENT SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR	DRVR	COMM	MOTOR-	SCHOOL	PEDES-	FIXED	HAZARD	CONSTR
					UND 21 INV	55+ INV	VEH INV	CYCLE INV	BUS INV	BIKE INV	TRIAN INV	OBJECT INV	MATL INV
MONROE CO	FATAL	2	2	1	0	0	0	0	0	0	2	0	0
	INJURY	53	16	11	16	8	3	0	0	1	3	0	1
	DAMAGE	163	20	3	32	35	22	2	0	1	0	26	0
	TOTAL	218	38	15	48	43	25	2	0	2	3	51	0
MONROE CITY / MON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	9	1	1	5	2	1	0	0	0	1	1	0
	DAMAGE	46	4	2	15	13	0	1	0	1	0	4	0
	TOTAL	55	5	3	20	15	1	1	0	1	1	5	0
PARIS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	7	1	2	3	1	0	0	0	0	1	3	0
	DAMAGE	13	1	0	4	3	1	0	0	0	0	2	0
	TOTAL	20	2	2	7	4	1	0	0	0	1	5	0
POP UNDER 1000	FATAL	2	2	1	0	0	0	0	0	0	2	0	0
	INJURY	37	14	8	8	5	2	0	0	1	19	0	1
	DAMAGE	104	15	1	13	19	21	1	0	0	20	0	2
	TOTAL	143	31	10	21	24	23	1	0	1	41	0	3
MONTGOMERY CO	FATAL	3	1	0	0	1	2	0	0	0	0	0	0
	INJURY	111	41	14	29	25	21	2	0	0	40	1	1
	DAMAGE	199	52	8	46	44	43	0	0	0	57	3	1
	TOTAL	313	94	22	75	70	66	2	0	0	97	4	2
MONTGOMERY CITY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	9	2	2	5	2	0	0	0	0	1	0	0
	DAMAGE	31	5	1	16	8	6	0	0	0	5	0	0
	TOTAL	40	7	3	21	10	6	0	0	0	6	0	0
WELLSVILLE	FATAL	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
	DAMAGE	2	1	0	1	1	0	0	0	0	0	0	0
	TOTAL	2	1	0	1	1	0	0	0	0	0	0	0
POP UNDER 1000	FATAL	3	1	0	0	1	2	0	0	0	0	0	0
	INJURY	102	39	12	24	23	21	2	0	0	39	1	1
	DAMAGE	166	46	7	29	35	37	0	0	0	52	3	1
	TOTAL	271	86	19	53	59	60	2	0	0	91	4	2
MORGAN CO	FATAL	7	4	2	1	3	1	0	0	0	3	0	0
	INJURY	110	39	30	22	26	6	1	0	3	43	0	0
	DAMAGE	282	59	22	64	83	17	0	1	0	77	1	2
	TOTAL	399	102	54	87	112	24	1	1	3	123	1	2
VERSAILLES	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	7	0	2	0	1	0	0	0	2	0	0	0
	DAMAGE	60	7	3	22	27	0	0	1	0	6	0	0
	TOTAL	67	7	5	22	28	0	0	1	2	6	0	0
POP UNDER 1000	FATAL	7	4	2	1	3	1	0	0	0	3	0	0
	INJURY	103	39	28	22	25	6	1	0	1	43	0	0
	DAMAGE	222	52	19	42	56	17	0	0	0	71	1	2
	TOTAL	332	95	49	65	84	24	1	0	1	117	1	2
NEW MADRID CO	FATAL	7	4	3	0	0	1	0	0	0	2	0	0
	INJURY	167	47	30	44	35	25	1	0	2	52	2	3
	DAMAGE	310	49	22	59	83	66	0	3	0	63	3	4
	TOTAL	484	100	55	103	118	92	1	3	2	117	5	7
GIDEON	FATAL	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
	DAMAGE	1	0	1	0	0	0	0	0	0	1	0	0
	TOTAL	1	0	1	0	0	0	0	0	0	1	0	0
LILBOURN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	0	0	0	0	0	0	0	0	1	0	0
	DAMAGE	5	0	0	0	3	0	0	0	0	2	0	0
	TOTAL	6	0	0	0	3	0	0	0	0	3	0	0
MOREHOUSE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	0	0	0	0	0	0	0	1	0	0	0
	DAMAGE	1	0	0	0	0	0	0	0	0	1	0	0
	TOTAL	2	0	0	0	0	0	0	0	1	1	0	0
NEW MADRID	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	14	4	3	2	2	1	0	0	1	2	4	0
	DAMAGE	35	4	2	10	5	0	0	0	0	6	0	0
	TOTAL	49	8	5	12	7	1	0	0	1	2	10	0

TABLE 4.0.1

**1993 MISSOURI TRAFFIC ACCIDENTS
COUNTY AND CITY SUMMARY¹**

CITY	ACCIDENT SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR	DRVR	COMM	MOTOR-	SCHOOL	PEDES-	FIXED	HAZARD	CONSTR
					UND 21	55 +	VEH	CYCLE	BUS	BIKE	TRIAN	OBJECT	MATL
					INV	INV	INV	INV	INV	INV	INV	INV	INV
PORTAGEVILLE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	8	2	2	4	4	1	0	0	0	0	0	0
	DAMAGE	48	1	1	13	16	5	0	0	0	0	3	0
	TOTAL	56	3	3	17	20	6	0	0	0	0	3	0
SIKESTON / NEW	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	18	1	1	6	4	1	1	0	0	0	2	0
	DAMAGE	47	8	2	7	18	5	0	0	0	0	7	0
	TOTAL	65	9	3	13	22	6	1	0	0	0	9	0
POP UNDER 1000	FATAL	7	4	3	0	0	1	0	0	0	0	2	0
	INJURY	125	40	24	32	25	22	0	0	0	3	45	2
	DAMAGE	173	36	16	29	41	56	0	3	0	0	43	3
	TOTAL	305	80	43	61	66	79	0	3	0	3	90	5
NEWTON CO	FATAL	13	4	2	3	2	2	0	0	0	2	5	0
	INJURY	420	141	61	121	113	56	13	2	5	8	115	0
	DAMAGE	816	161	37	221	211	124	2	4	0	0	144	0
	TOTAL	1249	306	100	345	326	182	15	6	5	10	264	0
GRANBY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	3	1	1	0	1	1	0	0	1	0	1	0
	DAMAGE	3	0	0	1	1	1	0	0	0	0	1	0
	TOTAL	6	1	1	1	2	2	0	0	1	0	2	0
JOPLIN / NEW	FATAL	2	1	0	0	0	0	0	0	0	0	2	0
	INJURY	59	7	4	18	20	7	2	0	1	0	6	0
	DAMAGE	99	8	2	22	33	12	0	0	0	0	11	0
	TOTAL	160	16	6	40	53	19	2	0	1	0	19	0
NEOSHO	FATAL	1	0	0	1	1	0	0	0	0	0	0	0
	INJURY	118	27	13	39	44	9	4	0	2	3	16	0
	DAMAGE	287	30	8	89	86	31	1	2	0	0	26	0
	TOTAL	406	57	21	129	131	40	5	2	2	3	42	0
SENECA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	3	2	0	1	0	0	0	0	0	0	2	0
	DAMAGE	28	5	2	11	8	5	0	0	0	0	6	0
	TOTAL	31	7	2	12	8	5	0	0	0	0	8	0
POP UNDER 1000	FATAL	10	3	2	2	1	2	0	0	0	2	3	0
	INJURY	237	104	43	63	48	39	7	2	1	5	90	0
	DAMAGE	399	118	25	98	83	75	1	2	0	0	100	0
	TOTAL	646	225	70	163	132	116	8	4	1	7	193	0
NODAWAY CO	FATAL	1	0	0	0	1	0	0	0	0	0	0	0
	INJURY	111	33	11	43	32	13	1	0	1	2	30	1
	DAMAGE	388	73	6	135	105	40	0	2	0	0	47	1
	TOTAL	500	106	17	178	138	53	1	2	1	2	77	2
MARYVILLE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	43	8	2	21	13	3	0	0	1	2	2	1
	DAMAGE	261	37	4	98	72	18	0	1	0	0	10	0
	TOTAL	304	45	6	119	85	21	0	1	1	2	12	1
POP UNDER 1000	FATAL	1	0	0	0	1	0	0	0	0	0	0	0
	INJURY	68	25	9	22	19	10	1	0	0	0	28	0
	DAMAGE	127	36	2	37	33	22	0	1	0	0	37	1
	TOTAL	196	61	11	59	53	32	1	1	0	0	65	1
OREGON CO	FATAL	9	4	2	1	2	1	0	0	0	1	5	1
	INJURY	37	11	10	9	11	3	1	0	0	1	16	0
	DAMAGE	93	11	6	22	27	21	0	1	0	0	18	1
	TOTAL	139	26	18	32	40	25	1	1	0	2	39	2
THAYER	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	4	0	0	2	2	0	1	0	0	0	0	0
	DAMAGE	36	4	3	10	15	5	0	1	0	0	1	0
	TOTAL	40	4	3	12	17	5	1	1	0	0	1	0
POP UNDER 1000	FATAL	9	4	2	1	2	1	0	0	0	1	5	1
	INJURY	33	11	10	7	9	3	0	0	0	1	16	0
	DAMAGE	57	7	3	12	12	16	0	0	0	0	17	1
	TOTAL	99	22	15	20	23	20	0	0	0	2	38	2
OSAGE CO	FATAL	4	1	0	2	1	1	0	0	0	0	1	0
	INJURY	88	31	13	36	21	1	0	1	0	1	24	1
	DAMAGE	153	30	9	40	32	14	1	0	0	0	39	0
	TOTAL	245	62	22	78	54	16	1	1	0	1	64	1

TABLE 4.0.1

**1993 MISSOURI TRAFFIC ACCIDENTS
COUNTY AND CITY SUMMARY¹**

CITY	ACCIDENT SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR	DRVR	COMM	MOTOR-	SCHOOL	PEDES-	FIXED	HAZARD	CONSTR
					UND 21 INV	55 + INV	VEH INV	CYCLE INV	BUS INV	BIKE INV	TRIAN INV	OBJECT INV	MATL INV
LINN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	6	0	0	3	2	0	0	0	0	1	0	0
	DAMAGE	29	0	0	10	7	3	0	0	0	1	0	0
	TOTAL	35	0	0	13	9	3	0	0	0	2	0	0
POP UNDER 1000	FATAL	4	1	0	2	1	1	0	0	0	1	0	0
	INJURY	82	31	13	33	19	1	0	1	0	1	23	1
	DAMAGE	124	30	9	30	25	11	1	0	0	0	38	0
	TOTAL	210	62	22	65	45	13	1	1	0	1	62	1
OZARK CO	FATAL	1	1	0	0	1	0	0	0	0	0	0	0
	INJURY	69	17	18	22	10	5	3	0	0	29	0	0
	DAMAGE	80	14	5	19	26	14	0	1	0	17	0	0
	TOTAL	150	32	23	41	37	19	3	1	0	46	0	0
POP UNDER 1000	FATAL	1	1	0	0	1	0	0	0	0	0	0	0
	INJURY	69	17	18	22	10	5	3	0	0	29	0	0
	DAMAGE	80	14	5	19	26	14	0	1	0	17	0	0
	TOTAL	150	32	23	41	37	19	3	1	0	46	0	0
PEMISCOTT CO	FATAL	13	2	6	2	5	5	0	0	4	4	0	0
	INJURY	169	50	36	59	41	16	1	1	3	9	46	0
	DAMAGE	374	73	28	105	109	41	0	3	0	0	73	2
	TOTAL	556	125	70	166	155	62	1	4	3	13	123	2
CARUTHERSVILLE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	25	3	4	11	8	0	0	0	5	3	0	0
	DAMAGE	104	7	8	40	33	2	0	1	0	9	0	0
	TOTAL	129	10	12	51	41	2	0	1	0	5	12	0
HAYTI	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	24	3	6	6	7	3	0	0	1	2	3	0
	DAMAGE	84	7	6	25	35	4	0	2	0	0	6	0
	TOTAL	108	10	12	31	42	7	0	2	1	2	9	0
STEELE	FATAL	1	1	1	1	0	0	0	0	0	1	0	0
	INJURY	10	2	2	5	5	0	1	0	1	0	0	0
	DAMAGE	20	0	2	8	6	1	0	0	0	1	0	0
	TOTAL	31	3	5	14	11	1	1	0	1	0	3	0
POP UNDER 1000	FATAL	12	1	5	1	5	5	0	0	4	3	0	0
	INJURY	110	42	24	37	21	13	0	1	1	2	39	0
	DAMAGE	166	59	12	32	35	34	0	0	0	0	57	2
	TOTAL	288	102	41	70	61	52	0	1	1	6	99	2
PERRY CO	FATAL	4	1	1	0	2	2	1	0	0	1	0	0
	INJURY	119	29	17	47	31	9	3	1	0	2	37	0
	DAMAGE	352	68	10	123	77	36	0	1	0	0	60	1
	TOTAL	475	98	28	170	110	47	4	2	0	3	98	1
PERRYVILLE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	47	9	6	23	18	0	0	0	1	5	0	0
	DAMAGE	193	36	5	78	52	10	0	1	0	0	12	0
	TOTAL	240	45	11	101	70	10	0	1	0	1	17	0
POP UNDER 1000	FATAL	4	1	1	0	2	2	1	0	0	1	1	0
	INJURY	72	20	11	24	13	9	3	1	0	1	32	0
	DAMAGE	159	32	5	45	25	26	0	0	0	0	48	1
	TOTAL	235	53	17	69	40	37	4	1	0	2	81	1
PETTIS CO	FATAL	2	2	0	1	0	0	0	0	0	1	0	0
	INJURY	346	66	39	115	107	26	8	1	8	7	67	0
	DAMAGE	919	131	38	281	245	66	3	6	1	1	108	0
	TOTAL	1267	199	77	397	352	92	11	7	9	8	176	0
SEDALIA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	245	28	16	82	85	11	7	1	8	7	24	0
	DAMAGE	680	81	27	212	206	40	3	2	1	1	32	0
	TOTAL	925	109	43	294	291	51	10	3	9	8	56	0
POP UNDER 1000	FATAL	2	2	0	1	0	0	0	0	0	1	0	0
	INJURY	101	38	23	33	22	15	1	0	0	0	43	0
	DAMAGE	239	50	11	69	39	26	0	4	0	0	76	0
	TOTAL	342	90	34	103	61	41	1	4	0	0	120	0
PHELPS CO	FATAL	11	4	2	2	3	2	0	0	0	7	0	0
	INJURY	303	57	29	101	79	31	10	1	4	5	83	0
	DAMAGE	859	102	31	246	207	110	3	2	2	0	169	4
	TOTAL	1173	163	62	349	289	143	13	3	6	5	259	4

TABLE 4.0.1

**1993 MISSOURI TRAFFIC ACCIDENTS
COUNTY AND CITY SUMMARY¹**

CITY	ACCIDENT SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR	DRVR	COMM	MOTOR-	SCHOOL	PEDES-	FIXED	HAZARD	CONSTR
					UND 21 INV	55+ INV	VEH INV	CYCLE INV	BUS INV	BIKE INV	TRIAN INV	OBJECT INV	MATL INV
ROLLA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	133	16	5	49	41	8	2	1	3	3	18	0
	DAMAGE	449	31	13	145	123	37	1	0	2	0	45	1
	TOTAL	582	47	18	194	164	45	3	1	5	3	63	1
ST. JAMES	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	15	1	1	7	4	0	1	0	1	1	4	0
	DAMAGE	63	6	1	18	28	7	0	1	0	0	5	0
	TOTAL	78	7	2	25	32	7	1	1	1	1	9	0
POP UNDER 1000	FATAL	11	4	2	2	3	2	0	0	0	7	0	0
	INJURY	155	40	23	45	34	23	7	0	0	61	0	2
	DAMAGE	347	65	17	83	56	66	2	1	0	0	119	3
	TOTAL	513	109	42	130	93	91	9	1	0	1	187	3
PIKE CO	FATAL	4	4	1	2	1	0	1	0	0	3	0	0
	INJURY	85	16	10	31	20	5	0	0	1	28	0	2
	DAMAGE	241	36	9	74	67	28	0	1	0	42	0	1
	TOTAL	330	56	20	107	88	33	1	1	1	73	0	3
BOWLING GREEN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	6	1	0	2	1	0	0	0	1	0	0	1
	DAMAGE	49	1	0	16	20	0	0	0	0	2	0	0
	TOTAL	55	2	0	18	21	0	0	0	1	2	0	1
LOUISIANA	FATAL	1	1	0	1	1	0	1	0	0	0	0	0
	INJURY	20	5	2	9	3	0	0	0	0	4	0	0
	DAMAGE	80	8	3	26	23	8	0	0	0	6	0	0
	TOTAL	101	14	5	36	27	8	1	0	0	1	10	0
POP UNDER 1000	FATAL	3	3	1	1	0	0	0	0	0	3	0	0
	INJURY	59	10	8	20	16	5	0	0	0	24	0	1
	DAMAGE	112	27	6	32	24	20	0	1	0	34	0	1
	TOTAL	174	40	15	53	40	25	0	1	0	61	0	2
PLATTE CO	FATAL	7	4	2	0	1	1	0	0	0	3	0	0
	INJURY	528	204	51	162	87	33	20	2	4	10	121	0
	DAMAGE	1587	324	47	345	213	126	5	8	1	0	276	2
	TOTAL	2122	532	100	507	301	160	25	10	5	10	400	2
KANSAS CITY / PLA	FATAL	2	1	0	0	1	0	0	0	0	1	0	0
	INJURY	252	91	23	79	40	11	9	1	1	5	47	0
	DAMAGE	881	141	22	204	93	43	2	2	0	0	136	1
	TOTAL	1135	233	45	283	134	54	11	3	1	5	184	1
PARKVILLE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	53	14	4	20	8	1	0	0	1	1	6	0
	DAMAGE	110	21	3	22	14	18	2	2	0	0	16	0
	TOTAL	163	35	7	42	22	19	2	2	1	1	22	0
PLATTE CITY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	21	7	1	8	5	4	1	0	0	0	2	0
	DAMAGE	61	10	2	16	20	7	0	0	0	0	0	6
	TOTAL	82	17	3	24	25	11	1	0	0	0	2	0
RIVERSIDE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	30	11	7	5	7	3	1	0	0	1	9	0
	DAMAGE	83	19	8	10	15	8	1	2	0	0	17	0
	TOTAL	113	30	15	15	22	11	2	2	0	1	26	0
WEATHERBY LAKE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	5	4	0	2	1	0	0	0	0	0	2	0
	DAMAGE	4	1	1	2	0	0	0	0	0	0	3	0
	TOTAL	9	5	1	4	1	0	0	0	0	0	5	0
WESTON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	9	0	0	4	0	1	1	0	0	1	0	0
	DAMAGE	27	5	2	9	2	5	0	0	0	0	6	0
	TOTAL	36	5	2	13	2	6	1	0	0	1	6	0
POP UNDER 1000	FATAL	5	3	2	0	0	1	0	0	0	2	0	0
	INJURY	158	77	16	44	26	13	8	1	2	2	55	0
	DAMAGE	421	127	9	82	69	45	0	2	1	0	98	1
	TOTAL	584	207	27	126	95	59	8	3	3	2	155	1
POLK CO	FATAL	6	4	2	3	3	1	0	0	0	3	0	1
	INJURY	197	75	18	70	44	27	3	1	2	3	59	3
	DAMAGE	351	77	11	109	113	36	0	2	0	0	63	0
	TOTAL	554	156	31	182	160	64	3	3	2	3	125	3

TABLE 4.0.1

**1993 MISSOURI TRAFFIC ACCIDENTS
COUNTY AND CITY SUMMARY ¹**

CITY	ACCIDENT SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR	DRVR	COMM	MOTOR-	SCHOOL	PEDES-	FIXED	HAZARD	CONSTR
					UND 21 INV	55+ INV	VEH INV	CYCLE INV	BUS INV	BIKE INV	TRIAN INV	OBJECT INV	MATL INV
BOLIVAR	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	46	5	0	19	18	3	0	1	1	2	5	1
	DAMAGE	168	15	3	59	64	15	0	2	0	0	15	0
	TOTAL	214	20	3	78	82	18	0	3	1	2	20	1
HUMANSVILLE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	1	0	1	0	0	0	0	0	0	0	0
	DAMAGE	7	0	0	3	3	0	0	0	0	0	0	0
	TOTAL	8	1	0	4	3	0	0	0	0	0	0	0
POP UNDER 1000	FATAL	6	4	2	3	3	1	0	0	0	0	3	0
	INJURY	150	69	18	50	26	24	3	0	1	1	54	2
	DAMAGE	176	62	8	47	46	21	0	0	0	0	48	0
	TOTAL	332	135	28	100	75	46	3	0	1	1	105	2
PULASKI CO	FATAL	11	5	7	0	0	0	0	0	0	1	7	0
	INJURY	220	56	40	84	36	20	8	2	1	5	80	1
	DAMAGE	518	95	38	143	107	53	0	5	0	0	141	0
	TOTAL	749	156	85	227	143	73	8	7	1	6	228	1
DIXON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	14	0	1	10	3	1	0	1	0	1	2	0
	DAMAGE	34	2	1	11	8	1	0	0	0	0	5	0
	TOTAL	48	2	2	21	11	2	0	1	0	1	7	0
RICHLAND / PUL	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	6	1	0	2	4	1	1	0	0	0	0	0
	DAMAGE	30	9	1	9	14	0	0	0	0	0	7	0
	TOTAL	36	10	1	11	18	1	1	0	0	0	7	0
ST. ROBERT	FATAL	2	1	1	0	0	0	0	0	0	1	0	0
	INJURY	55	12	10	17	11	2	3	0	0	1	10	0
	DAMAGE	139	25	12	46	25	14	0	2	0	0	15	0
	TOTAL	196	38	23	63	36	16	3	2	0	2	25	0
WAYNESVILLE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	8	3	2	3	0	0	1	0	0	0	3	0
	DAMAGE	49	7	3	13	18	1	0	3	0	0	7	0
	TOTAL	57	10	5	16	18	1	1	3	0	0	10	0
POP UNDER 1000	FATAL	9	4	6	0	0	0	0	0	0	0	7	0
	INJURY	137	40	27	52	18	16	3	1	1	3	65	1
	DAMAGE	266	52	21	64	42	37	0	0	0	0	107	0
	TOTAL	412	96	54	116	60	53	3	1	1	3	179	1
PUTNAM CO	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	32	7	4	9	9	4	0	0	1	0	20	0
	DAMAGE	75	6	3	20	18	8	0	0	0	0	17	1
	TOTAL	107	13	7	29	27	12	0	0	1	0	37	1
UNIONVILLE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	5	1	1	1	3	0	0	0	1	0	0	0
	DAMAGE	30	0	1	11	12	0	0	0	0	0	2	0
	TOTAL	35	1	2	12	15	0	0	0	1	0	2	0
POP UNDER 1000	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	27	6	3	8	6	4	0	0	0	0	20	0
	DAMAGE	45	6	2	9	6	8	0	0	0	0	15	1
	TOTAL	72	12	5	17	12	12	0	0	0	0	35	1
RALLS CO	FATAL	6	2	3	4	2	0	0	0	0	0	0	0
	INJURY	67	16	10	23	11	11	1	0	0	1	27	0
	DAMAGE	129	21	7	31	18	23	0	1	0	0	29	0
	TOTAL	202	39	20	58	31	34	1	1	0	1	56	0
HANNIBAL / RAL	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	3	0	0	1	1	1	0	0	0	1	0	0
	DAMAGE	4	0	0	1	3	1	0	0	0	0	0	0
	TOTAL	7	0	0	2	4	2	0	0	0	1	0	0
MONROE CITY / RAL	FATAL	1	1	0	1	1	0	0	0	0	0	0	0
	INJURY	0	0	0	0	0	0	0	0	0	0	0	0
	DAMAGE	2	1	0	0	0	0	0	0	0	0	1	0
	TOTAL	3	2	0	1	1	0	0	0	0	0	1	0
POP UNDER 1000	FATAL	5	1	3	3	1	0	0	0	0	0	0	0
	INJURY	64	16	10	22	10	10	1	0	0	0	27	0
	DAMAGE	123	20	7	30	15	22	0	1	0	0	28	0
	TOTAL	192	37	20	55	26	32	1	1	0	0	55	0

TABLE 4.0.1

**1993 MISSOURI TRAFFIC ACCIDENTS
COUNTY AND CITY SUMMARY¹**

CITY	ACCIDENT SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR	DRVR	COMM	MOTOR-	SCHOOL	PEDES-	FIXED	HAZARD	CONSTR
					UND 21 INV	65+ INV	VEH INV	CYCLE INV	BUS INV	BIKE INV	TRIAN INV	OBJECT INV	MATL INV
RANDOLPH CO	FATAL	2	1	0	1	1	0	0	0	0	2	0	0
	INJURY	196	38	21	73	75	5	1	1	2	7	0	1
	DAMAGE	572	81	25	175	148	52	2	3	0	0	93	0
	TOTAL	770	120	46	249	224	57	3	4	2	7	134	0
HUNTSVILLE	FATAL	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
	DAMAGE	9	0	0	4	1	1	0	1	0	0	2	0
	TOTAL	11	0	0	5	1	1	0	1	0	0	2	0
MOBERLY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	130	14	7	47	53	3	0	2	6	11	0	0
	DAMAGE	386	51	10	133	115	26	2	2	0	53	0	2
	TOTAL	516	65	17	180	168	29	2	2	2	6	64	0
POP UNDER 1000	FATAL	2	1	0	1	1	0	0	0	0	2	0	0
	INJURY	64	24	14	25	22	2	1	1	0	1	28	0
	DAMAGE	177	30	15	38	32	25	0	0	0	0	38	0
	TOTAL	243	55	29	64	55	27	1	1	0	1	68	0
RAY CO	FATAL	10	4	3	3	4	1	0	0	0	2	0	0
	INJURY	128	53	22	37	31	12	4	1	3	3	35	1
	DAMAGE	342	74	23	93	75	33	0	5	0	0	73	0
	TOTAL	480	131	48	133	110	46	4	6	3	3	110	1
EXCELSIOR SPRINGS / RAY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	2	2	0	0	1	0	0	0	0	0	1	0
	DAMAGE	4	2	0	1	0	0	0	0	0	0	0	0
	TOTAL	6	4	0	1	1	0	0	0	0	0	1	0
LAWSON / RAY	FATAL	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
	DAMAGE	18	0	0	7	7	0	0	0	0	0	4	0
	TOTAL	19	0	0	7	8	0	0	0	0	0	4	0
RICHMOND	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	29	11	8	10	7	1	1	0	2	1	6	0
	DAMAGE	134	23	10	42	30	9	0	1	0	0	22	0
	TOTAL	163	34	18	52	37	10	1	1	2	1	28	0
POP UNDER 1000	FATAL	10	4	3	3	4	1	0	0	0	2	0	0
	INJURY	96	40	14	27	22	11	3	1	1	2	28	1
	DAMAGE	186	49	13	43	38	24	0	4	0	0	47	0
	TOTAL	292	93	30	73	64	36	3	5	1	2	77	1
REYNOLDS CO	FATAL	5	0	1	1	3	2	0	0	0	1	0	0
	INJURY	42	8	3	13	9	5	1	0	0	1	19	0
	DAMAGE	39	7	5	6	6	6	0	0	0	0	9	0
	TOTAL	86	15	9	20	18	13	1	0	0	1	29	0
POP UNDER 1000	FATAL	5	0	1	1	3	2	0	0	0	1	0	0
	INJURY	42	8	3	13	9	5	1	0	0	1	19	0
	DAMAGE	39	7	5	6	6	6	0	0	0	0	9	0
	TOTAL	86	15	9	20	18	13	1	0	0	1	29	0
RIPLEY CO	FATAL	6	3	1	1	2	1	0	1	0	3	0	0
	INJURY	93	23	24	34	26	6	4	1	0	1	32	0
	DAMAGE	172	22	14	53	46	13	0	0	0	0	39	0
	TOTAL	271	48	39	88	74	20	4	2	0	1	74	0
DONIPHAN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	15	1	2	8	6	1	1	0	0	0	0	0
	DAMAGE	43	3	1	19	12	3	0	0	0	0	4	0
	TOTAL	58	4	3	27	18	4	1	0	0	0	4	0
POP UNDER 1000	FATAL	6	3	1	1	2	1	0	1	0	3	0	0
	INJURY	78	22	22	26	20	5	3	1	0	1	32	0
	DAMAGE	129	19	13	34	34	10	0	0	0	0	35	0
	TOTAL	213	44	36	61	56	16	3	2	0	1	70	0
ST. CHARLES CO	FATAL	21	4	9	2	4	3	0	0	1	7	0	2
	INJURY	1473	370	124	514	253	105	36	5	40	33	246	2
	DAMAGE	4501	859	182	1289	839	340	8	24	10	0	585	0
	TOTAL	5995	1233	315	1805	1096	448	44	29	51	33	838	2
COUNTRY CLUB	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	10	2	0	5	2	0	0	0	0	2	3	0
	DAMAGE	45	12	2	23	3	2	0	0	0	0	11	0
	TOTAL	55	14	2	28	5	2	0	0	0	2	14	0

TABLE 4.0.1

**1993 MISSOURI TRAFFIC ACCIDENTS
COUNTY AND CITY SUMMARY¹**

CITY	ACCIDENT SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR		COMM VEH INV	MOTOR- CYCLE INV	SCHCOL		PEDES- TRIAN INV	FIXED OBJECT INV	HAZARD MATL INV	CONSTR ZONE INV
					UND 21 INV	55 + INV			BUS INV	BIKE INV				
LAKE ST. LOUIS	FATAL	1	0	1	0	0	1	0	0	0	0	0	0	0
	INJURY	52	11	11	13	12	5	1	0	2	2	7	0	0
	DAMAGE	141	28	8	37	30	20	0	3	1	0	21	0	0
	TOTAL	194	39	20	50	42	26	1	3	3	2	28	0	0
O'FALLON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	204	51	19	64	27	21	8	1	4	4	27	1	6
	DAMAGE	522	79	18	121	86	48	1	2	0	0	81	0	3
	TOTAL	726	130	37	185	113	69	9	3	4	4	108	1	9
ST. CHARLES	FATAL	3	0	1	0	0	0	0	0	0	0	2	0	0
	INJURY	414	105	31	128	80	32	10	1	16	13	57	1	5
	DAMAGE	2028	393	71	563	439	127	5	7	1	0	175	0	17
	TOTAL	2445	498	103	691	519	159	15	8	17	13	234	1	22
ST. PETERS	FATAL	2	0	1	0	0	0	0	0	1	0	0	0	0
	INJURY	350	75	21	148	59	12	5	0	10	1	35	0	6
	DAMAGE	926	155	31	349	147	57	2	6	4	0	100	0	5
	TOTAL	1278	230	53	497	206	69	7	6	15	1	135	0	11
WELDON SPRINGS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	14	2	2	6	3	0	0	0	0	0	2	0	0
	DAMAGE	18	4	0	4	3	4	0	0	0	0	0	0	1
	TOTAL	32	6	2	10	6	4	0	0	0	0	2	0	1
WENTZVILLE	FATAL	3	0	0	0	1	1	0	0	0	0	2	0	0
	INJURY	69	7	8	19	14	9	1	1	2	0	15	0	1
	DAMAGE	195	29	7	47	42	27	0	0	2	0	36	0	0
	TOTAL	267	36	15	66	57	37	1	1	4	0	53	0	1
POP UNDER 1000	FATAL	12	4	6	2	3	1	0	0	0	0	3	0	2
	INJURY	360	117	32	131	56	26	11	2	6	11	100	0	7
	DAMAGE	626	159	45	145	89	55	0	6	2	0	161	0	15
	TOTAL	998	280	83	278	148	82	11	8	8	11	264	0	24
ST. CLAIR CO	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	73	36	15	15	20	9	2	0	0	0	25	0	2
	DAMAGE	121	27	6	27	30	19	1	2	0	0	35	2	1
	TOTAL	194	63	21	42	50	28	3	2	0	0	60	2	3
APPLETON 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	3	0	2	0	0	0	0	0	0	1	0	0
	TOTAL	5	3	0	2	1	0	0	0	0	0	1	0	0
POP UNDER 1000	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	72	36	15	15	19	9	2	0	0	0	25	0	2
	DAMAGE	117	24	6	25	30	19	1	2	0	0	34	2	1
	TOTAL	189	60	21	40	49	28	3	2	0	0	59	2	3
ST. FRANCOIS CO	FATAL	15	3	3	3	5	2	1	0	0	2	5	0	0
	INJURY	402	84	39	132	105	16	4	2	6	11	119	1	0
	DAMAGE	923	117	40	272	247	74	0	7	1	0	156	2	0
	TOTAL	1340	204	82	407	357	92	5	9	7	13	280	3	0
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	1	0	0	0	0	0	0	0	0	0	1	0	0
	TOTAL	1	0	0	0	0	0	0	0	0	0	1	0	0
BONNE TERRE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	11	1	1	4	2	0	0	0	1	0	5	0	0
	DAMAGE	50	0	3	12	15	4	0	0	0	0	6	0	0
	TOTAL	61	1	4	16	17	4	0	0	1	0	11	0	0
DESLOGE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	31	6	3	13	6	0	0	0	0	0	4	0	0
	DAMAGE	83	11	6	23	25	9	0	2	0	0	6	0	0
	TOTAL	114	17	9	36	31	9	0	2	0	0	10	0	0
ELVINS	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	4	0	0	0	0	0	0	0	0	0
	TOTAL	5	0	0	4	0	0	0	0	0	0	0	0	0
ESTHER	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	1	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL	3	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 4.0.1

**1993 MISSOURI TRAFFIC ACCIDENTS
COUNTY AND CITY SUMMARY¹**

CITY	ACCIDENT SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR	DRVR	COMM	MOTOR-	SCHOOL	PEDES- TRIAN	FIXED OBJECT	HAZARD MATL	CONSTR ZONE
					UND 21 INV	55+ INV	VEH INV	CYCLE INV	BUS INV				
FARMINGTON	FATAL	1	0	0	0	0	0	0	0	0	0	0	0
	INJURY	123	13	5	44	40	6	2	1	3	5	10	0
	DAMAGE	300	27	7	84	97	23	0	2	0	0	31	0
	TOTAL	424	40	12	128	137	29	2	3	3	6	41	0
FLAT RIVER	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	37	9	2	14	8	0	0	0	1	2	9	0
	DAMAGE	137	19	3	59	31	7	0	1	1	0	10	0
	TOTAL	174	28	5	73	39	7	0	1	2	2	19	0
LEADWOOD	FATAL	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
	DAMAGE	3	0	0	0	0	1	0	0	0	0	1	0
	TOTAL	5	0	0	0	0	1	0	0	0	0	1	0
POP UNDER 1000	FATAL	14	3	3	3	5	2	1	0	0	1	5	0
	INJURY	196	55	28	57	49	10	2	1	1	4	91	1
	DAMAGE	343	60	21	90	79	30	0	2	0	0	101	2
	TOTAL	553	118	52	150	133	42	3	3	1	5	197	3
ST. LOUIS CO	FATAL	67	21	18	17	19	7	1	1	0	16	25	0
	INJURY	8721	2047	584	2398	2281	467	128	48	174	298	1203	13
	DAMAGE	22348	4229	656	5221	5132	1699	28	196	25	10	2705	14
	TOTAL	31136	6297	1258	7636	7432	2173	157	245	199	324	3933	27
BALLWIN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	97	22	5	36	26	2	0	0	2	3	14	0
	DAMAGE	294	67	6	96	71	13	2	1	0	0	30	0
	TOTAL	391	89	11	132	97	15	2	1	2	3	44	0
BELLEFONTAINE NEIGHBORS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	87	20	7	21	30	2	2	1	0	4	17	0
	DAMAGE	197	29	4	38	45	17	0	1	0	0	32	1
	TOTAL	284	49	11	59	75	19	2	2	0	4	49	1
BEL-NOR	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	0	1	1	0	0	0	0	0	0	1	0
	DAMAGE	9	1	0	3	2	0	0	0	0	0	0	0
	TOTAL	10	1	1	4	2	0	0	0	0	0	1	0
BEL-RIDGE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	38	9	0	6	13	3	0	0	2	2	4	0
	DAMAGE	111	20	5	21	24	6	0	0	0	0	11	0
	TOTAL	149	29	5	27	37	9	0	0	2	2	15	0
BERKELEY	FATAL	3	1	2	1	0	0	0	0	0	2	1	0
	INJURY	134	39	15	32	26	13	3	0	3	5	26	1
	DAMAGE	472	106	13	79	83	57	0	4	0	1	71	1
	TOTAL	609	146	30	112	109	70	3	4	3	8	98	2
BLACK JACK	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	18	4	2	7	5	0	0	0	0	1	7	0
	DAMAGE	38	9	1	13	9	2	0	1	0	0	10	0
	TOTAL	56	13	3	20	14	2	0	1	0	1	17	0
BRECKENRIDGE HILLS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	57	10	4	20	15	2	1	0	2	2	3	0
	DAMAGE	141	25	5	32	43	10	1	1	1	0	5	0
	TOTAL	198	35	9	52	58	12	2	1	3	2	8	0
BRENTWOOD	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	67	16	4	7	23	3	1	0	3	2	6	0
	DAMAGE	253	40	3	27	63	14	0	2	0	1	29	0
	TOTAL	320	56	7	34	86	17	1	2	3	3	35	0
BRIDGETON	FATAL	4	1	0	2	1	0	0	0	0	2	2	0
	INJURY	398	100	21	78	83	31	5	0	2	4	57	1
	DAMAGE	781	137	30	146	180	82	0	5	0	0	77	1
	TOTAL	1183	238	51	226	264	113	5	5	2	6	136	2
CALVERTON PARK	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	8	1	0	5	4	0	0	0	0	0	0	0
	DAMAGE	16	2	0	3	4	1	0	0	0	0	1	0
	TOTAL	24	3	0	8	8	1	0	0	0	0	1	0
CHARLACK	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	6	0	0	1	0	1	0	1	0	0	1	0
	DAMAGE	18	5	2	0	4	0	1	0	0	0	5	0
	TOTAL	24	5	2	1	4	1	1	1	0	0	6	0

TABLE 4.0.1

**1993 MISSOURI TRAFFIC ACCIDENTS
COUNTY AND CITY SUMMARY ¹**

CITY	ACCIDENT SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR		COMM VEH INV	MOTOR- CYCLE INV	SCHOOL		PEDES- TRIAN INV	FIXED OBJECT INV	HAZARD MATL INV	CONSTR ZONE INV
					UND 21 INV	55+ INV			BUS INV	BIKE INV				
CHESTERFIELD	FATAL	2	2	2	1	0	0	0	0	0	0	1	0	0
	INJURY	234	53	20	99	75	11	2	1	3	5	43	0	8
	DAMAGE	813	126	6	254	163	81	0	17	1	0	109	0	27
	TOTAL	1109	181	28	354	238	72	2	18	4	5	153	0	35
CLARKSON VALLEY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	3	2	0	1	0	0	0	0	0	0	1	0	0
	DAMAGE	19	5	0	8	1	0	0	0	0	0	8	0	0
	TOTAL	22	7	0	9	1	0	0	0	0	0	9	0	0
CLAYTON	FATAL	1	0	0	0	1	0	0	0	0	0	1	0	0
	INJURY	157	27	4	34	47	5	0	0	3	7	8	0	0
	DAMAGE	500	44	2	78	131	42	0	1	0	2	39	0	0
	TOTAL	658	71	6	112	179	47	0	1	3	9	48	0	0
COOL VALLEY	FATAL	1	1	0	1	0	1	0	0	0	0	0	0	0
	INJURY	30	8	1	8	7	6	0	0	0	1	9	1	0
	DAMAGE	48	16	0	7	7	11	0	0	0	0	9	1	1
	TOTAL	79	25	1	16	14	18	0	0	0	1	18	2	1
COUNTRY CLUB HILLS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	27	9	1	7	5	2	0	0	3	4	0	0	0
	DAMAGE	69	16	2	11	14	1	0	0	0	0	6	0	0
	TOTAL	96	25	3	18	19	3	0	0	3	4	6	0	0
CRESTWOOD	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	65	10	1	23	28	1	2	0	3	1	5	0	0
	DAMAGE	128	21	3	35	39	5	0	0	1	0	13	0	1
	TOTAL	183	31	4	58	67	6	2	0	4	1	18	0	1
CREVE COEUR	FATAL	1	0	0	0	1	0	0	0	0	0	1	0	0
	INJURY	296	62	11	61	94	14	2	2	2	4	15	0	1
	DAMAGE	615	109	16	117	199	36	0	2	0	0	52	0	4
	TOTAL	912	171	27	178	294	50	2	4	2	4	68	0	5
DELLWOOD	FATAL	1	1	0	0	1	0	0	0	0	0	0	0	0
	INJURY	46	13	2	15	15	1	0	0	1	2	8	0	0
	DAMAGE	63	13	1	19	19	1	0	0	0	0	3	0	0
	TOTAL	110	27	3	34	35	2	0	0	1	2	11	0	0
DES PERES	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	113	28	3	32	25	6	2	0	2	3	19	0	0
	DAMAGE	354	34	5	69	86	16	2	1	0	0	33	1	2
	TOTAL	467	62	8	101	111	22	4	1	2	3	52	1	2
EDMUNDSON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	22	10	1	2	7	4	0	1	0	1	3	0	0
	DAMAGE	72	25	0	12	12	5	0	1	1	0	15	0	2
	TOTAL	94	35	1	14	19	9	0	2	1	1	18	0	2
ELLISVILLE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	91	15	4	36	24	5	0	1	0	0	7	0	3
	DAMAGE	297	28	7	91	78	13	1	2	1	0	17	0	12
	TOTAL	388	43	11	127	102	18	1	3	1	0	24	0	15
EUREKA	FATAL	2	0	1	0	1	0	0	0	0	0	1	0	0
	INJURY	63	12	4	20	10	7	2	0	0	1	14	0	1
	DAMAGE	176	31	5	59	22	19	0	1	0	0	28	0	1
	TOTAL	241	43	10	79	33	26	2	1	0	1	43	0	2
FENTON / STL	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	77	16	5	22	19	8	1	0	2	1	13	1	6
	DAMAGE	293	58	4	52	54	41	0	1	0	0	34	1	5
	TOTAL	370	74	9	74	73	49	1	1	2	1	47	2	11
FERGUSON	FATAL	3	1	0	1	1	0	0	0	0	1	2	0	0
	INJURY	177	50	15	39	55	10	1	0	4	9	33	0	1
	DAMAGE	412	79	10	108	112	29	0	2	0	0	49	0	2
	TOTAL	592	130	25	148	168	39	1	2	4	10	84	0	3
FLORISSANT	FATAL	2	0	0	1	0	0	0	0	0	1	1	0	0
	INJURY	355	67	15	124	100	14	6	1	14	10	20	0	8
	DAMAGE	1058	139	35	292	284	53	1	8	0	1	70	1	15
	TOTAL	1415	206	50	417	384	67	7	9	14	12	91	1	23
FRONTENAC	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	55	14	3	9	21	2	0	1	0	0	10	0	1
	DAMAGE	144	42	5	39	44	16	2	2	0	0	19	0	2
	TOTAL	199	56	8	48	65	18	2	3	0	0	29	0	3

TABLE 4.0.1

**1993 MISSOURI TRAFFIC ACCIDENTS
COUNTY AND CITY SUMMARY ¹**

CITY	ACCIDENT SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR	DRVR	COMM	MOTOR-	SCHOOL	BIKE INV	FEDES-	FIXED	HAZARD	CONSTR
					UND 21 INV	55+ INV	VEH INV	CYCLE INV	BUS INV		TRIAN INV	OBJECT INV	MATL INV	ZONE INV
GLENDALE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	25	4	4	7	8	1	0	1	1	2	4	0	0
	DAMAGE	54	9	1	8	24	5	0	1	0	0	6	0	0
	TOTAL	79	13	5	15	32	6	0	2	1	2	10	0	0
HANLEY HILLS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	1	0	1	0	0	0	0	0	0	1	0	0
	DAMAGE	19	7	0	2	4	0	0	0	0	0	3	0	0
	TOTAL	20	8	0	3	4	0	0	0	0	0	4	0	0
HAZELWOOD	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	211	48	25	53	46	9	6	0	4	6	36	0	2
	DAMAGE	512	85	18	96	105	48	1	5	0	0	65	0	3
	TOTAL	723	133	43	149	151	57	7	5	4	6	101	0	5
HILLSDALE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	14	5	2	5	1	0	0	0	0	1	3	0	0
	DAMAGE	39	5	0	7	5	0	0	0	0	1	3	0	0
	TOTAL	53	10	2	12	6	0	0	0	0	2	6	0	0
JENNINGS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	98	27	13	31	24	1	3	0	4	9	11	0	1
	DAMAGE	354	83	15	63	73	18	0	2	1	0	27	0	0
	TOTAL	452	110	28	94	97	19	3	2	5	9	38	0	1
KINLOCH	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
KIRKWOOD	FATAL	1	0	1	0	0	0	1	0	0	0	1	0	0
	INJURY	239	48	19	64	76	12	3	1	5	14	27	0	0
	DAMAGE	697	126	17	189	213	75	1	6	0	1	75	0	0
	TOTAL	937	174	37	253	289	87	5	7	5	15	103	0	0
LADUE	FATAL	2	0	1	0	0	0	0	0	0	0	2	0	0
	INJURY	108	17	5	27	32	4	3	1	1	3	23	0	0
	DAMAGE	278	53	5	65	82	20	0	5	1	0	41	0	3
	TOTAL	388	70	11	92	114	24	3	6	2	3	66	0	3
MANCHESTER	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	62	10	1	23	22	3	2	1	1	0	5	0	0
	DAMAGE	229	33	3	79	53	11	0	4	0	0	18	0	0
	TOTAL	291	43	4	102	75	14	2	5	1	0	23	0	0
MAPLEWOOD	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	84	23	3	17	19	6	1	1	2	5	8	0	0
	DAMAGE	230	36	10	34	52	18	2	3	2	0	31	0	0
	TOTAL	314	59	13	51	71	24	3	4	4	5	39	0	0
MARLBOROUGH	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	39	1	1	10	14	0	1	0	0	1	1	0	0
	DAMAGE	75	3	0	18	24	1	0	0	0	0	4	0	0
	TOTAL	114	4	1	28	38	1	1	0	0	1	5	0	0
MARYLAND HEIGHTS	FATAL	1	0	0	0	1	0	0	0	0	1	0	0	0
	INJURY	335	90	24	90	52	18	5	2	2	8	35	0	1
	DAMAGE	904	181	30	215	138	88	2	5	0	0	99	3	1
	TOTAL	1240	271	54	305	191	106	7	7	2	9	134	3	2
MOLINE ACRES	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	31	7	1	9	10	2	0	1	0	0	1	0	0
	DAMAGE	52	12	2	14	21	5	0	0	0	0	3	0	0
	TOTAL	83	19	3	23	31	7	0	1	0	0	4	0	0
NORMANDY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	49	13	3	9	16	10	1	1	0	1	12	1	0
	DAMAGE	85	14	1	15	22	9	0	1	0	0	21	0	4
	TOTAL	134	27	4	24	38	19	1	2	0	1	33	1	4
NORTHWOODS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	23	5	1	5	6	1	0	0	0	2	5	0	0
	DAMAGE	45	7	4	7	10	3	0	0	0	0	5	0	0
	TOTAL	68	12	5	12	16	4	0	0	0	2	10	0	0
OAKLAND	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	14	9	1	4	4	1	0	0	0	0	9	0	0
	DAMAGE	25	13	1	7	3	3	0	1	0	0	11	0	0
	TOTAL	39	22	2	11	7	4	0	1	0	0	20	0	0

TABLE 4.0.1

**1993 MISSOURI TRAFFIC ACCIDENTS
COUNTY AND CITY SUMMARY 1**

CITY	ACCIDENT SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR	DRVR	COMM	MOTOR-	SCHOOL	PEDES- TRIAN	FIXED	HAZARD	CONSTR
					UND 21	55 +	VEH	CYCLE	BUS		BIKE	OBJECT	MATL
					INV	INV	INV	INV	INV	INV	INV	INV	INV
OLIVETTE	FATAL	1	0	0	0	1	0	0	0	0	1	0	0
	INJURY	60	7	1	16	25	3	2	0	2	6	0	0
	DAMAGE	116	10	2	15	28	7	0	1	0	12	0	0
	TOTAL	177	17	3	31	54	10	2	1	2	19	0	0
OVERLAND	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	137	31	11	26	29	9	2	0	8	8	21	0
	DAMAGE	575	105	19	110	132	57	1	3	0	59	1	1
	TOTAL	712	136	30	136	161	66	3	3	8	80	1	1
PACIFIC / STL	FATAL	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
	DAMAGE	1	0	0	0	0	1	0	0	0	0	0	0
	TOTAL	1	0	0	0	0	1	0	0	0	0	0	0
PAGEDALE	FATAL	1	0	1	0	0	0	0	0	1	0	0	0
	INJURY	38	11	2	11	8	3	0	1	1	3	5	0
	DAMAGE	87	17	1	17	14	4	0	0	0	5	0	0
	TOTAL	126	28	4	28	22	7	0	1	1	4	10	0
PASADENA HILLS	FATAL	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
	DAMAGE	3	0	0	0	1	0	0	0	0	0	0	0
	TOTAL	3	0	0	0	1	0	0	0	0	0	0	0
PINE LAWN	FATAL	1	1	1	1	0	0	0	0	0	1	0	0
	INJURY	69	12	2	12	18	3	1	0	3	7	4	0
	DAMAGE	154	25	6	22	35	14	0	5	0	19	0	0
	TOTAL	224	38	9	35	53	17	1	5	3	7	24	0
RICHMOND HEIGHTS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	258	66	4	50	65	5	3	2	2	4	25	0
	DAMAGE	688	191	9	116	146	42	0	1	0	0	75	0
	TOTAL	946	257	13	166	211	47	3	3	2	4	100	0
RIVERVIEW	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	6	3	1	0	1	0	0	0	1	0	4	0
	DAMAGE	28	8	4	3	5	1	1	0	0	10	0	0
	TOTAL	34	11	5	3	6	1	1	0	1	0	14	0
ROCK HILL	FATAL	1	0	1	0	0	0	0	0	0	0	0	0
	INJURY	25	7	1	5	14	0	0	0	1	1	3	0
	DAMAGE	94	14	3	27	37	5	0	2	0	7	0	0
	TOTAL	120	21	5	32	51	5	0	2	1	1	10	0
ST. ANN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	101	17	8	21	32	3	2	0	0	8	5	0
	DAMAGE	247	40	14	47	67	9	0	0	1	1	20	0
	TOTAL	348	57	22	68	99	12	2	0	1	9	25	0
ST. GEORGE	FATAL	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
	DAMAGE	10	0	0	4	5	3	0	0	0	0	1	0
	TOTAL	11	0	0	4	6	3	0	0	0	0	1	0
ST. JOHN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	46	6	8	11	10	1	1	0	1	4	6	0
	DAMAGE	142	22	8	30	39	4	0	1	0	0	20	0
	TOTAL	188	28	16	41	49	5	1	1	1	4	26	0
SHREWSBURY	FATAL	1	0	1	1	0	0	0	0	0	1	0	0
	INJURY	54	10	1	10	21	1	1	0	0	2	4	0
	DAMAGE	153	19	8	22	44	12	0	1	1	0	19	0
	TOTAL	208	29	10	33	65	13	1	1	1	2	24	0
SUNSET HILLS	FATAL	4	0	0	1	0	1	0	0	2	1	0	0
	INJURY	188	47	12	51	54	18	6	1	0	28	2	45
	DAMAGE	390	76	9	87	93	50	0	0	0	38	0	97
	TOTAL	582	123	21	139	147	69	6	1	0	2	67	2
TOWN AND COUNTRY	FATAL	1	0	1	0	0	0	0	0	1	1	0	0
	INJURY	253	55	9	65	81	16	3	3	1	56	0	29
	DAMAGE	547	115	12	137	111	39	1	8	0	108	0	78
	TOTAL	801	170	22	202	192	55	4	11	1	2	165	0
UNIVERSITY CITY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	211	43	12	50	54	9	1	0	9	18	30	0
	DAMAGE	534	101	23	96	116	31	0	3	2	71	0	3
	TOTAL	745	144	35	146	170	40	1	3	11	20	101	0

TABLE 4.0.1

**1993 MISSOURI TRAFFIC ACCIDENTS
COUNTY AND CITY SUMMARY¹**

CITY	ACCIDENT SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR	DRVR	COMM	MOTOR-	SCHOOL	PEDES-	FIXED	HAZARD	CONSTR
					UND 21 INV	55+ INV	VEH INV	CYCLE INV	BUS INV	BIKE INV	TRIAN INV	OBJECT INV	MATL INV
VALLEY PARK	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	44	16	1	9	12	3	0	0	0	1	14	0
	DAMAGE	102	14	3	23	16	8	0	0	1	0	17	1
	TOTAL	146	30	4	32	28	11	0	0	1	1	31	1
VELDA VILLAGE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	10	5	2	1	2	0	0	0	0	1	2	0
	DAMAGE	26	12	0	6	4	2	0	3	0	0	7	0
	TOTAL	36	17	2	7	6	2	0	3	0	1	9	0
VELDA VILLAGE HILLS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	1	1	0	0	0	0	0	0	0	0	0	0
	DAMAGE	8	1	0	4	0	0	0	0	0	0	0	0
	TOTAL	9	2	0	4	0	0	0	0	0	0	0	0
VINITA PARK	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	13	2	1	3	2	3	0	1	0	1	1	0
	DAMAGE	58	13	4	13	10	5	0	0	0	0	9	0
	TOTAL	71	15	5	16	12	8	0	1	0	1	10	0
WARSON WOODS	FATAL	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
	DAMAGE	7	0	0	1	2	0	0	0	0	0	0	0
	TOTAL	7	0	0	1	2	0	0	0	0	0	0	0
WEBSTER GROVES	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	127	40	6	37	34	7	3	0	5	7	21	0
	DAMAGE	512	84	11	107	150	39	0	11	1	0	61	0
	TOTAL	639	124	17	144	184	46	3	11	6	7	82	0
WELLSTON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	32	8	4	5	7	3	1	0	1	7	4	0
	DAMAGE	83	17	3	9	12	8	0	1	0	0	7	0
	TOTAL	115	25	7	14	19	11	1	1	1	7	11	0
WINCHESTER	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	22	1	2	6	5	1	1	0	0	2	1	0
	DAMAGE	44	5	1	19	9	0	0	0	0	0	3	0
	TOTAL	66	6	3	25	14	1	1	0	0	2	4	0
WOODSON TERRACE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	24	1	2	7	4	1	0	0	1	1	1	0
	DAMAGE	65	11	1	25	15	2	0	0	0	0	10	0
	TOTAL	89	12	3	32	19	3	0	0	1	1	11	0
POP UNDER 1000	FATAL	33	13	6	7	11	5	0	1	0	5	7	0
	INJURY	2886	733	242	901	715	157	46	22	67	98	437	6
	DAMAGE	6683	1434	238	1752	1419	501	9	70	10	0	939	2
	TOTAL	9602	2180	486	2660	2145	663	55	93	77	103	1383	8
STE. GENEVIEVE CO	FATAL	3	2	0	0	0	0	0	0	0	2	0	0
	INJURY	110	28	12	41	18	7	1	1	2	4	37	0
	DAMAGE	252	22	13	85	62	33	0	0	0	0	59	0
	TOTAL	365	52	25	126	80	40	1	1	2	4	98	0
STE. GENEVIEVE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	24	4	3	7	7	2	0	0	2	2	3	0
	DAMAGE	102	5	4	38	30	10	0	0	0	0	11	0
	TOTAL	126	9	7	45	37	12	0	0	2	2	14	0
POP UNDER 1000	FATAL	3	2	0	0	0	0	0	0	0	2	0	0
	INJURY	86	24	9	34	11	5	1	1	0	2	34	0
	DAMAGE	150	17	6	47	32	23	0	0	0	0	48	0
	TOTAL	239	43	18	81	43	28	1	1	0	2	84	0
SALINE CO	FATAL	4	1	0	1	1	1	0	0	0	0	0	0
	INJURY	202	54	29	61	44	20	7	0	7	3	63	0
	DAMAGE	487	96	25	127	139	71	1	1	0	0	94	0
	TOTAL	693	151	54	189	184	92	8	1	7	3	157	0
MARSHALL	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	83	7	2	28	25	5	1	0	7	2	4	0
	DAMAGE	244	26	10	76	72	16	0	1	0	0	23	0
	TOTAL	327	33	12	104	97	21	1	1	7	2	27	0
SLATER	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	4	0	1	1	0	1	0	0	0	0	1	0
	DAMAGE	27	5	1	12	14	1	0	0	0	0	1	0
	TOTAL	31	5	2	13	14	2	0	0	0	0	2	0

TABLE 4.0.1

**1993 MISSOURI TRAFFIC ACCIDENTS
COUNTY AND CITY SUMMARY¹**

CITY	ACCIDENT SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR	DRVR	COMM	MOTOR-	SCHOOL	PEDES- TRIAN	FIXED	HAZARD	CONSTR
					UND 21 INV	55+ INV	VEH INV	CYCLE INV	BUS INV		BIKE INV	OBJECT INV	MATL INV
SWEET SPRINGS	FATAL	1	0	0	0	1	0	0	0	0	0	0	0
	INJURY	5	2	1	1	2	0	1	0	0	1	0	0
	DAMAGE	11	2	0	3	3	0	0	0	0	1	0	0
	TOTAL	17	4	1	4	6	0	1	0	0	2	0	0
POP UNDER 1000	FATAL	3	1	0	1	0	1	0	0	0	0	0	0
	INJURY	110	45	25	31	17	14	5	0	0	1	57	0
	DAMAGE	205	63	14	36	50	54	1	0	0	0	69	0
	TOTAL	318	109	39	68	67	69	6	0	0	1	126	0
SCHUYLER CO	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	21	5	0	7	8	1	0	0	0	1	7	0
	DAMAGE	30	7	0	9	8	5	0	1	0	0	7	0
	TOTAL	51	12	0	16	16	6	0	1	0	1	14	0
POP UNDER 1000	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	21	5	0	7	8	1	0	0	0	1	7	0
	DAMAGE	30	7	0	9	8	5	0	1	0	0	7	0
	TOTAL	51	12	0	16	16	6	0	1	0	1	14	0
SCOTLAND CO	FATAL	2	0	0	0	1	1	1	0	0	0	0	0
	INJURY	42	5	6	12	10	3	1	1	1	0	14	0
	DAMAGE	60	11	2	15	17	7	1	0	0	0	16	0
	TOTAL	104	16	8	27	28	11	3	1	1	0	30	0
MEMPHIS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	15	0	1	6	7	0	0	1	1	0	2	0
	DAMAGE	35	5	1	9	10	5	1	0	0	0	5	0
	TOTAL	50	5	2	15	17	5	1	1	1	0	7	0
POP UNDER 1000	FATAL	2	0	0	0	1	1	1	0	0	0	0	0
	INJURY	27	5	5	6	3	3	1	0	0	0	12	0
	DAMAGE	25	6	1	6	7	2	0	0	0	0	11	0
	TOTAL	54	11	6	12	11	6	2	0	0	0	23	0
SCOTT CO	FATAL	8	2	1	1	3	0	1	0	0	2	2	0
	INJURY	310	66	40	90	73	25	2	1	11	13	48	1
	DAMAGE	830	139	42	242	245	77	2	2	2	0	115	1
	TOTAL	1148	207	83	333	321	102	5	3	13	15	165	2
CHAFFEE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	4	1	1	1	2	0	0	0	0	1	0	0
	DAMAGE	45	6	5	14	16	0	0	0	1	0	3	0
	TOTAL	49	7	6	15	18	0	0	0	1	1	3	0
MINER	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	20	3	1	5	5	3	1	0	0	0	0	1
	DAMAGE	59	3	2	23	18	6	0	1	0	0	10	0
	TOTAL	79	6	3	28	23	9	1	1	0	0	10	1
ORAN	FATAL	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
	DAMAGE	1	0	0	0	1	0	0	0	0	0	0	0
	TOTAL	1	0	0	0	1	0	0	0	0	0	0	0
SCOTT CITY	FATAL	1	0	0	1	0	0	0	0	0	1	0	0
	INJURY	20	3	1	11	6	2	0	0	1	0	3	0
	DAMAGE	67	17	6	21	20	6	1	0	0	0	13	0
	TOTAL	88	20	7	33	26	8	1	0	1	1	16	0
SIKESTON / SCO	FATAL	4	0	0	0	3	0	0	0	0	1	1	0
	INJURY	156	20	17	46	37	4	0	1	10	11	14	0
	DAMAGE	431	52	12	127	145	25	1	1	1	0	38	1
	TOTAL	591	72	29	173	185	29	1	2	11	12	53	1
POP UNDER 1000	FATAL	3	2	1	0	0	0	1	0	0	0	1	0
	INJURY	110	39	20	27	23	16	1	0	0	1	31	0
	DAMAGE	222	60	17	57	43	38	0	0	0	0	50	0
	TOTAL	335	101	38	84	66	54	2	0	0	1	82	0
SHANNON CO	FATAL	4	1	1	0	3	1	1	0	0	0	1	0
	INJURY	44	14	12	14	11	5	2	1	0	0	9	1
	DAMAGE	53	5	3	12	11	11	0	0	0	0	6	0
	TOTAL	101	20	16	26	25	17	3	1	0	0	16	1
WINONA	FATAL	1	0	0	0	1	1	0	0	0	0	0	0
	INJURY	5	1	1	1	2	0	1	0	0	0	1	0
	DAMAGE	14	0	0	4	4	0	0	0	0	0	0	0
	TOTAL	20	1	1	5	7	1	1	0	0	0	1	0

TABLE 4.0.1

**1993 MISSOURI TRAFFIC ACCIDENTS
COUNTY AND CITY SUMMARY¹**

CITY	ACCIDENT SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR	DRVR	COMM	MOTOR-	SCHOOL	PEDES-	FIXED	HAZARD	CONSTR	
					UND 21 INV	55+ INV	VEH INV	CYCLE INV	BUS INV	BIKE INV	TRIAN INV	OBJECT INV	MATL INV	ZONE INV
POP UNDER 1000	FATAL	3	1	1	0	2	0	1	0	0	0	1	0	0
	INJURY	39	13	11	13	9	5	1	1	0	0	8	1	0
	DAMAGE	39	5	3	8	7	11	0	0	0	0	6	0	1
	TOTAL	81	19	15	21	18	16	2	1	0	0	15	1	1
SHELBY CO	FATAL	2	1	1	0	1	0	0	0	0	1	0	0	0
	INJURY	28	14	5	10	5	2	0	0	0	1	15	0	0
	DAMAGE	77	11	3	24	19	11	0	0	0	0	12	0	0
	TOTAL	107	26	9	34	25	13	0	0	0	2	27	0	0
CLARENCE	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	0	2	0	0	0	0	0	0	0	0
	TOTAL	4	1	0	0	2	0	0	0	0	0	0	0	0
SHELBYNA	FATAL	1	1	0	0	1	0	0	0	0	0	0	0	0
	INJURY	4	2	0	1	1	1	0	0	0	0	1	0	0
	DAMAGE	20	0	0	10	10	2	0	0	0	0	1	0	0
	TOTAL	25	3	0	11	12	3	0	0	0	0	2	0	0
POP UNDER 1000	FATAL	1	0	1	0	0	0	0	0	0	1	0	0	0
	INJURY	24	12	5	9	4	1	0	0	0	1	14	0	0
	DAMAGE	53	10	3	14	7	9	0	0	0	0	11	0	0
	TOTAL	78	22	9	23	11	10	0	0	0	2	25	0	0
STODDARD CO	FATAL	4	2	1	0	0	0	0	0	0	0	1	0	0
	INJURY	169	42	33	58	52	19	4	2	5	4	46	1	0
	DAMAGE	496	49	29	132	165	47	1	1	1	0	69	0	5
	TOTAL	669	93	63	190	217	66	5	3	6	4	116	1	5
ADVANCE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	3	1	0	1	3	0	0	0	0	0	0	0	0
	DAMAGE	28	3	1	14	15	0	0	0	0	0	0	0	0
	TOTAL	31	4	1	15	18	0	0	0	0	0	0	0	0
BERNIE	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	1	0	0
	DAMAGE	16	4	1	7	7	0	0	0	0	0	1	0	0
	TOTAL	18	4	1	8	7	0	0	0	0	0	2	0	0
BLOOMFIELD	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	3	0	0	1	1	0	0	0	0	1	0	0	0
	DAMAGE	15	2	1	1	10	0	0	0	0	0	2	0	1
	TOTAL	18	2	1	2	11	0	0	0	0	1	2	0	1
DEXTER	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	47	5	4	19	18	2	1	0	3	2	6	0	0
	DAMAGE	188	11	2	51	78	12	1	0	1	0	10	0	2
	TOTAL	235	16	6	70	96	14	2	0	4	2	16	0	2
POP UNDER 1000	FATAL	4	2	1	0	0	0	0	0	0	0	1	0	0
	INJURY	114	36	29	36	30	17	3	2	2	1	39	1	0
	DAMAGE	249	29	24	59	55	35	0	1	0	0	56	0	2
	TOTAL	367	67	54	95	85	52	3	3	2	1	96	1	2
STONE CO	FATAL	6	4	3	2	1	0	0	0	0	0	2	0	0
	INJURY	236	100	38	78	59	19	8	3	0	2	76	0	0
	DAMAGE	335	79	34	95	86	33	3	2	0	0	98	2	1
	TOTAL	577	183	75	175	146	52	11	5	0	2	176	2	1
CRANE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	3	1	1	1	1	0	0	0	0	0	1	0	0
	DAMAGE	16	1	1	8	4	2	0	1	0	0	3	0	0
	TOTAL	19	2	2	9	5	2	0	1	0	0	4	0	0
KIMBERLING CITY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	7	2	0	2	4	0	0	0	0	1	1	0	0
	DAMAGE	33	4	3	6	11	0	0	0	0	0	7	0	0
	TOTAL	40	6	3	8	15	0	0	0	0	1	8	0	0
POP UNDER 1000	FATAL	6	4	3	2	1	0	0	0	0	0	2	0	0
	INJURY	226	97	37	75	54	19	8	3	0	1	74	0	0
	DAMAGE	286	74	30	81	71	31	3	1	0	0	88	2	1
	TOTAL	518	175	70	158	126	50	11	4	0	1	164	2	1
SULLIVAN CO	FATAL	1	1	0	1	0	0	0	0	0	0	1	0	0
	INJURY	22	5	6	7	4	0	0	0	0	0	10	0	0
	DAMAGE	85	8	8	19	20	7	0	0	0	0	24	0	1
	TOTAL	108	14	14	27	24	7	0	0	0	0	35	0	1

TABLE 4.0.1

**1993 MISSOURI TRAFFIC ACCIDENTS
COUNTY AND CITY SUMMARY 1**

CITY	ACCIDENT SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR	DRVR	COMM	MOTOR-	SCHOOL	PEDES-	FIXED	HAZARD	CONSTR
					UND 21 INV	55+ INV	VEH INV	CYCLE INV	BUS INV	BIKE INV	TRIAN INV	OBJECT INV	MATL INV
MILAN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	3	0	0	1	0	0	0	0	0	1	0	0
	DAMAGE	26	2	2	8	9	1	0	0	0	5	0	0
	TOTAL	29	2	2	9	9	1	0	0	0	6	0	0
POP UNDER 1000	FATAL	1	1	0	1	0	0	0	0	0	1	0	0
	INJURY	19	5	6	6	4	0	0	0	0	9	0	0
	DAMAGE	58	6	6	11	11	6	0	0	0	19	0	1
	TOTAL	79	12	12	18	15	6	0	0	0	29	0	1
TANEY CO	FATAL	8	3	2	4	3	0	1	0	0	2	0	0
	INJURY	484	158	51	148	141	60	16	1	7	108	2	0
	DAMAGE	981	161	53	242	336	116	4	5	2	143	2	4
	TOTAL	1473	322	106	394	480	176	21	6	2	253	4	4
BRANSON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	208	37	11	71	63	14	9	1	0	3	20	0
	DAMAGE	475	50	10	119	183	50	2	1	2	0	26	0
	TOTAL	683	87	21	190	246	64	11	2	2	3	46	0
FORSYTH	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	11	1	1	3	4	0	0	0	1	3	0	0
	DAMAGE	54	3	3	11	27	5	1	0	0	2	0	1
	TOTAL	65	4	4	14	31	5	1	0	0	2	5	1
HOLLISTER	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	15	2	1	5	1	2	0	0	0	1	0	0
	DAMAGE	80	10	4	25	25	7	0	2	0	3	0	1
	TOTAL	95	12	5	30	26	9	0	2	0	4	0	1
POP UNDER 1000	FATAL	8	3	2	4	3	0	1	0	0	2	0	0
	INJURY	250	118	38	69	73	44	7	0	3	84	2	0
	DAMAGE	372	98	36	87	101	54	1	2	0	112	2	2
	TOTAL	630	219	76	160	177	98	9	2	0	198	4	2
TEXAS CO	FATAL	5	0	0	1	4	0	0	0	0	3	0	0
	INJURY	143	39	32	58	36	11	5	0	1	61	0	0
	DAMAGE	243	23	11	74	63	38	0	2	0	48	1	1
	TOTAL	391	62	43	133	103	49	5	2	1	112	1	1
CABOOL	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	11	3	1	3	5	2	0	0	0	3	0	0
	DAMAGE	34	3	0	11	14	5	0	0	0	0	0	0
	TOTAL	45	6	1	14	19	7	0	0	0	3	0	0
HOUSTON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	22	2	3	12	8	0	1	0	0	1	2	0
	DAMAGE	52	3	1	19	20	5	0	0	0	8	0	0
	TOTAL	74	5	4	31	28	5	1	0	0	1	10	0
LICKING	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	6	1	1	2	3	1	0	0	0	2	0	0
	DAMAGE	23	3	1	7	10	2	0	0	0	6	0	0
	TOTAL	29	4	2	9	13	3	0	0	0	8	0	0
POP UNDER 1000	FATAL	5	0	0	1	4	0	0	0	0	3	0	0
	INJURY	104	33	27	41	20	8	4	0	1	54	0	0
	DAMAGE	134	14	9	37	19	26	0	2	0	34	1	1
	TOTAL	243	47	36	79	43	34	4	2	1	91	1	1
VERNON CO	FATAL	3	3	1	1	1	0	2	0	0	1	0	0
	INJURY	179	63	24	57	44	21	1	0	4	53	0	2
	DAMAGE	478	71	19	129	132	53	0	2	0	74	1	5
	TOTAL	660	137	44	187	177	74	3	2	4	128	1	7
NEVADA	FATAL	3	3	1	1	1	0	2	0	0	1	0	0
	INJURY	94	19	9	30	30	6	1	0	3	9	0	0
	DAMAGE	322	29	10	96	104	16	0	1	0	29	0	1
	TOTAL	419	51	20	127	135	22	3	1	3	39	0	1
POP UNDER 1000	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	85	44	15	27	14	15	0	0	1	44	0	2
	DAMAGE	156	42	9	33	28	37	0	1	0	45	1	4
	TOTAL	241	86	24	60	42	52	0	1	1	89	1	6
WARREN CO	FATAL	3	1	2	2	1	0	0	0	0	2	0	0
	INJURY	140	50	16	47	34	12	0	1	1	40	0	0
	DAMAGE	370	64	19	110	74	40	0	0	1	71	0	2
	TOTAL	513	115	37	159	109	61	0	1	2	5	0	2

TABLE 4.0.1

**1993 MISSOURI TRAFFIC ACCIDENTS
COUNTY AND CITY SUMMARY¹**

CITY	ACCIDENT SEVERITY	TOTAL ACCS	SPEED INV	DRINK CIV	DRVR	DRVR	COMM	MOTOR-	SCHOOL	PEDES-	FIXED	HAZARD	CONSTR
					UND 21 INV	55+ INV	VEH INV	CYCLE INV	BUS INV	BIKE INV	TRIAN INV	OBJECT INV	MATL INV
WARRENTON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	44	12	2	14	14	3	0	0	1	2	5	0
	DAMAGE	135	18	5	47	37	14	0	0	1	0	15	0
	TOTAL	179	30	7	61	51	17	0	0	2	2	20	0
WRIGHT CITY	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	4	1	1	1	1	1	0	0	0	0	0	0
	DAMAGE	67	10	5	14	8	10	0	0	0	0	15	0
	TOTAL	71	11	6	15	9	11	0	0	0	0	15	0
POP UNDER 1000	FATAL	3	1	2	2	1	0	0	0	0	2	0	0
	INJURY	92	37	13	32	19	8	0	1	0	3	35	0
	DAMAGE	188	36	9	49	29	25	0	0	0	0	41	0
	TOTAL	263	74	24	83	49	33	0	1	0	3	78	0
WASHINGTON CO	FATAL	6	3	0	1	2	2	0	0	0	0	3	0
	INJURY	156	44	21	53	27	10	2	1	3	5	54	1
	DAMAGE	270	52	16	93	64	29	0	6	1	0	63	0
	TOTAL	432	99	37	147	93	41	2	7	4	5	120	1
POTOSI	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	35	3	1	13	11	0	0	0	2	3	3	0
	DAMAGE	106	6	2	38	33	5	0	2	1	0	4	0
	TOTAL	141	9	3	51	44	5	0	2	3	3	7	0
POP UNDER 1000	FATAL	6	3	0	1	2	2	0	0	0	0	3	0
	INJURY	121	41	20	40	16	10	2	1	1	2	51	1
	DAMAGE	164	46	14	55	31	24	0	4	0	0	59	0
	TOTAL	291	90	34	96	49	36	2	5	1	2	113	1
WAYNE CO	FATAL	10	4	2	1	6	4	0	0	0	0	2	0
	INJURY	108	34	23	29	24	7	5	0	0	4	39	0
	DAMAGE	154	35	14	31	45	20	0	1	0	0	40	0
	TOTAL	272	73	39	61	75	31	5	1	0	4	81	0
PIEDMONT	FATAL	1	0	0	0	1	0	0	0	0	0	0	0
	INJURY	18	1	0	7	8	1	0	0	0	1	1	0
	DAMAGE	32	2	0	13	10	0	0	0	0	0	2	0
	TOTAL	51	3	0	20	19	1	0	0	0	1	3	0
POP UNDER 1000	FATAL	9	4	2	1	5	4	0	0	0	0	2	0
	INJURY	90	33	23	22	16	6	5	0	0	3	38	0
	DAMAGE	122	33	14	18	35	20	0	1	0	0	38	0
	TOTAL	221	70	39	41	56	30	5	1	0	3	78	0
WEBSTER CO	FATAL	8	1	1	1	5	2	0	1	0	1	2	0
	INJURY	154	50	21	65	33	26	2	1	1	1	58	1
	DAMAGE	306	52	16	96	84	50	0	1	0	0	71	0
	TOTAL	468	103	38	162	122	78	2	3	1	2	131	1
MARSHFIELD	FATAL	1	0	0	0	1	1	0	1	0	1	0	0
	INJURY	23	4	1	12	6	4	0	0	0	0	1	0
	DAMAGE	93	5	2	40	38	5	0	1	0	0	7	0
	TOTAL	117	9	3	52	45	10	0	2	0	1	8	0
SEYMOUR	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	6	1	1	5	0	0	0	0	1	0	2	0
	DAMAGE	7	1	0	2	2	0	0	0	0	0	1	0
	TOTAL	13	2	1	7	2	0	0	0	1	0	3	0
POP UNDER 1000	FATAL	7	1	1	1	4	1	0	0	0	0	2	0
	INJURY	125	45	19	48	27	22	2	1	0	1	55	1
	DAMAGE	206	46	14	54	44	45	0	0	0	0	63	0
	TOTAL	338	92	34	103	75	68	2	1	0	1	120	1
WORTH CO	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	6	2	1	1	1	2	0	0	0	0	3	0
	DAMAGE	25	6	0	12	3	5	0	0	0	0	8	0
	TOTAL	31	8	1	13	4	7	0	0	0	0	11	0
POP UNDER 1000	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	6	2	1	1	1	2	0	0	0	0	3	0
	DAMAGE	25	6	0	12	3	5	0	0	0	0	8	0
	TOTAL	31	8	1	13	4	7	0	0	0	0	11	0
WRIGHT CO	FATAL	5	1	2	1	3	0	0	0	0	1	0	0
	INJURY	100	24	10	40	22	9	3	0	1	0	24	0
	DAMAGE	213	34	11	55	67	21	0	1	0	0	32	0
	TOTAL	318	59	23	96	92	30	3	1	1	0	57	0

TABLE 4.0.1

**1993 MISSOURI TRAFFIC ACCIDENTS
COUNTY AND CITY SUMMARY¹**

CITY	ACCIDENT SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR	DRVR	COMM	MOTOR-	SCHOOL	PEDES-	FIXED	HAZARD	CONSTR
					UND 21 INV	55 + INV	VEH INV	CYCLE INV	BUS INV	BIKE INV	TRIAN INV	OBJECT INV	MATL INV
MANSFIELD	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	3	0	0	3	1	0	0	0	0	0	0	0
	DAMAGE	16	5	1	5	4	1	0	0	0	2	0	0
	TOTAL	19	5	1	8	5	1	0	0	0	2	0	0
MOUNTAIN GROVE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	31	3	1	13	10	1	0	0	1	0	1	0
	DAMAGE	96	5	4	27	35	9	0	0	0	6	0	0
	TOTAL	127	8	5	40	45	10	0	0	1	7	0	0
POP UNDER 1000	FATAL	5	1	2	1	3	0	0	0	0	1	0	0
	INJURY	66	21	9	24	11	8	3	0	0	23	0	0
	DAMAGE	101	24	6	23	28	11	0	1	0	24	0	1
	TOTAL	172	46	17	48	42	19	3	1	0	48	0	1
ST. LOUIS CITY	FATAL	39	17	9	6	4	10	3	2	0	17	11	0
	INJURY	5358	636	175	970	1086	400	78	93	130	591	572	10
	DAMAGE	14414	1476	252	1883	2522	1399	31	302	20	24	1851	7
	TOTAL	19811	2129	436	2859	3612	1809	112	397	150	632	2434	17
STATE TOTALS	FATAL	843	317	217	200	231	130	28	5	8	103	271	3
	INJURY	49038	11095	4681	14038	11405	3410	985	333	811	1946	9387	67
	DAMAGE	127915	20174	4577	29707	27695	10879	249	1298	126	81	17910	121
	TOTAL	177796	31586	9475	43945	39331	14419	1262	1576	945	2130	27568	191
INCRP AREAS	FATAL	255	89	58	59	67	37	14	3	6	67	81	0
	INJURY	33587	5951	2356	9244	8292	1907	632	254	676	1685	4003	31
	DAMAGE	98770	13622	3013	22339	21924	7126	204	1008	111	79	10773	46
	TOTAL	132612	19662	5427	31642	30283	9070	850	1265	793	1831	14857	77

¹ All traffic accident 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 accident activity presented. County B's portion of the data display will have County B City A's traffic accident 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 accident activity of these multi-county cities.

TABLE 4.0.1

**1993 MISSOURI TRAFFIC ACCIDENTS
MULTI-COUNTY CITY SUMMARY¹**

CITY	ACCIDENT SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR	DRVR	COMM	MOTOR-	SCHOOL	PEDES-	FIXED	HAZARD	CONSTR
					UND 21 INV	55+ INV	VEH INV	CYCLE INV	BUS INV	BIKE INV	TRIAN INV	OBJECT INV	MATL INV
BELLE	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	2	1	1	2	1	0	0	0	0	0	0	0
	DAMAGE	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL	2	1	1	2	1	0	0	0	0	0	0	0
CAMERON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	35	8	3	12	11	3	1	1	1	0	3	0
	DAMAGE	83	13	7	25	23	9	0	2	0	0	10	1
	TOTAL	118	21	10	37	34	12	1	3	1	0	13	1
CENTRALIA	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	6	3	0	2	0	1	0	0	0	1	0	0
	DAMAGE	46	7	1	13	14	3	0	1	0	0	6	0
	TOTAL	52	10	1	15	14	4	0	1	0	1	6	0
EXCELSIOR SPRINGS	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	100	30	11	32	19	3	3	1	1	6	24	0
	DAMAGE	276	53	9	86	58	22	1	3	1	0	47	0
	TOTAL	376	83	20	118	77	25	4	4	2	6	71	0
FENTON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	77	16	5	22	19	8	1	0	2	1	13	1
	DAMAGE	293	58	4	52	54	41	0	1	0	0	34	1
	TOTAL	370	74	9	74	73	49	1	1	2	1	47	2
GLASGOW	FATAL	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
	DAMAGE	25	5	1	3	7	3	0	0	0	0	6	0
	TOTAL	26	5	1	3	7	3	0	0	0	0	6	0
GOWER	FATAL	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
	DAMAGE	2	1	0	1	0	0	0	0	0	0	0	0
	TOTAL	3	1	0	2	0	0	0	0	0	0	0	0
HANNIBAL	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	164	23	15	59	45	14	3	0	6	10	16	0
	DAMAGE	705	81	30	174	168	41	2	2	1	1	57	0
	TOTAL	869	104	45	233	213	55	5	2	7	11	73	0
INDEPENDENCE	FATAL	10	5	1	2	2	3	0	0	0	1	2	0
	INJURY	1276	329	144	384	354	46	24	7	11	32	176	0
	DAMAGE	2742	526	137	734	655	137	11	22	2	0	360	0
	TOTAL	4028	860	282	1120	1011	186	35	29	13	33	538	0
JEFFERSON CITY	FATAL	5	0	0	2	1	0	1	0	0	2	0	0
	INJURY	417	57	34	159	91	15	16	1	5	16	43	0
	DAMAGE	1651	184	41	496	382	97	5	2	0	0	160	3
	TOTAL	2073	241	75	657	474	112	22	3	5	18	203	3
JOPLIN	FATAL	3	1	0	1	0	0	0	0	0	1	2	0
	INJURY	640	66	48	237	198	29	13	0	11	20	47	0
	DAMAGE	1547	129	59	471	445	99	5	2	2	0	98	0
	TOTAL	2190	196	107	709	643	128	18	2	13	21	147	0
KANSAS CITY	FATAL	62	30	10	17	12	4	2	0	2	10	27	0
	INJURY	7114	1356	564	1421	1544	437	134	77	88	380	875	1
	DAMAGE	22633	3401	631	3178	3686	1363	38	344	17	31	2447	3
	TOTAL	29809	4787	1205	4616	5242	1804	174	421	107	421	3349	4
LAWSON	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	4	0	0	1	1	0	0	0	0	1	0	0
	DAMAGE	24	1	0	9	10	0	0	0	0	0	4	0
	TOTAL	28	1	0	10	11	0	0	0	0	1	4	0
LEE'S SUMMIT	FATAL	4	0	0	0	3	1	0	0	0	1	1	0
	INJURY	357	72	33	141	81	10	13	0	2	10	46	1
	DAMAGE	1066	198	35	327	209	75	1	3	0	0	119	0
	TOTAL	1427	270	68	468	293	86	14	3	2	11	166	1
MALDEN	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	33	7	2	10	9	4	0	0	2	1	5	0
	DAMAGE	78	13	2	23	28	7	1	1	0	0	13	2
	TOTAL	111	20	4	33	37	11	1	1	2	1	18	2
MONETT	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	40	7	3	13	13	2	0	0	4	4	2	0
	DAMAGE	175	14	5	54	46	11	0	2	0	0	20	1
	TOTAL	215	21	8	67	59	13	0	2	4	4	22	1

TABLE 4.0.2

**1993 MISSOURI TRAFFIC ACCIDENTS
MULTI-COUNTY CITY SUMMARY¹**

CITY	ACCIDENT SEVERITY	TOTAL ACCS	SPEED INV	DRINK INV	DRVR	DRVR	COMM	MOTOR-	SCHOOL	PEDES-	FIXED	HAZARD	CONSTR
					UND 21 INV	55 + INV	VEH INV	CYCLE INV	BUS INV	BIKE INV	TRIAN INV	OBJECT INV	MATL INV
MONROE CITY	FATAL	1	1	0	1	1	0	0	0	0	0	0	0
	INJURY	10	1	1	6	2	1	0	0	0	1	1	0
	DAMAGE	50	5	2	16	14	0	1	0	1	0	5	0
	TOTAL	61	7	3	23	17	1	1	0	1	1	6	0
OSAGE BEACH	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	60	11	8	19	19	3	3	0	0	0	11	0
	DAMAGE	241	29	7	69	55	23	0	0	0	0	32	0
	TOTAL	301	40	15	88	74	26	3	0	0	0	43	0
PACIFIC	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	40	7	2	12	12	1	1	0	1	1	6	0
	DAMAGE	77	9	2	25	17	11	2	0	0	0	10	0
	TOTAL	117	16	4	37	29	12	3	0	1	1	16	0
RICHLAND	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	6	1	0	2	4	1	1	0	0	0	0	0
	DAMAGE	30	9	1	9	14	0	0	0	0	0	7	0
	TOTAL	36	10	1	11	18	1	1	0	0	0	7	0
SIKESTON	FATAL	4	0	0	0	3	0	0	0	0	1	1	0
	INJURY	174	21	18	52	41	5	1	1	10	11	16	0
	DAMAGE	478	60	14	134	163	30	1	1	1	0	45	1
	TOTAL	656	81	32	186	207	35	2	2	11	12	62	1
SUGAR CREEK	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	33	15	2	8	6	2	1	0	2	0	8	0
	DAMAGE	71	20	5	11	12	5	0	0	0	0	23	0
	TOTAL	104	35	7	19	18	7	1	0	2	0	31	0
SULLIVAN	FATAL	1	0	0	0	0	1	0	0	1	0	0	0
	INJURY	41	5	2	18	11	1	4	0	1	2	4	0
	DAMAGE	127	13	8	30	29	12	0	0	0	0	15	0
	TOTAL	169	18	10	48	40	14	4	0	2	2	19	0
WINDSOR	FATAL	0	0	0	0	0	0	0	0	0	0	0	0
	INJURY	6	0	0	2	3	1	0	0	0	0	0	0
	DAMAGE	45	3	3	7	21	3	0	0	0	0	11	0
	TOTAL	51	3	3	9	24	4	0	0	0	0	11	0

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

TABLE 4.0.2

GLOSSARY

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

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

CONSTRUCTION ZONE INVOLVED TRAFFIC ACCIDENT: Any accident in which one or more of the traffic controls directly associated with the incident was a construction zone.

DEATH RATE: The number of deaths resulting from traffic accidents 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 ACCIDENT: Any accident 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 accident. There are strong indications that investigating officers under-report drinking involvement as a contributing factor in traffic accidents. As a result, this under-reporting should be taken into consideration when reviewing drinking involved data presented in this Compendium.

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

FIXED OBJECT TRAFFIC ACCIDENT: Any traffic accident whose first harmful event involved a motor vehicle striking a fixed object. Accidents where a motor vehicle struck a fixed object as a result of a secondary event in an accident are not included in this definition of terms.

HAZARDOUS MATERIAL INVOLVED TRAFFIC ACCIDENT: Any accident 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 accidents 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 ACCIDENT: Any accident 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 ACCIDENT: Any accident in which one or more drivers of motorized vehicles directly involved in the traffic accident were 55 years of age or older.

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

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

PROPERTY DAMAGE TRAFFIC ACCIDENT: Any accident 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 ACCIDENT: Any accident in which one or more school buses were directly involved in the incident or where a school bus signal was associated with the traffic accident.

SPEED INVOLVED TRAFFIC ACCIDENT: Any accident 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 accident.

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 accident 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 ACCIDENT: Any accident in which one or more drivers of motorized vehicles directly involved in the traffic accident were under the age of 21.