

State Data System

Crash Data Report: 1990 - 1999





U.S. Department
of Transportation
**National Highway
Traffic Safety
Administration**

DOT HS 809 504

State Data System Crash Data Report: 1990 – 1999

National Highway Traffic Safety Administration
National Center for Statistics and Analysis
U.S. Department of Transportation
Washington, DC 20590

First Printing July 2002

Revised January 2003

Errata

Since the initial publication, the following data-related corrections have been made to *Crash Data Report: 1990-1999*:

Correction Location	Nature of Correction	Date of Correction
Table 49, page 259	Utah 1993 Killed and Injured totals were incorrect due to a variable documentation error.	January 2003
Table 51, pages 324-325	Same as previous.	January 2003
Appendix A, page 329	Georgia 1990 and Kansas 1990-1991 were mislabeled as "Data available without VIN."	January 2003
Appendix D, page 377	The Utah safety equipment query was modified, affecting Tables 49 and 51, as mentioned above.	January 2003

TABLE OF CONTENTS











About This Report	1
Introduction	3
Data File Structure	5
File Characteristics	8
Associated Analyses and Reports	13
 Crashes	15
Table 1: Motor Vehicle Crashes by Crash Severity	16
Table 2: Motor Vehicle Crashes by Weekday vs. Weekend and Crash Severity	18
Table 3: Motor Vehicle Crashes by Time of Day and Crash Severity	24
Table 4: Motor Vehicle Crashes by Crash Type and Crash Severity	30
 Vehicles	37
Table 5: Passenger Cars Involved In Motor Vehicle Crashes by Crash Severity	38
Table 6: Light Trucks Involved In Motor Vehicle Crashes by Crash Severity	40
Table 7: Buses Involved In Motor Vehicle Crashes by Crash Severity	42
 People	45
Table 8: Persons Killed or Injured In Motor Vehicle Crashes	46
Table 9: Motor Vehicle Crash Fatality and Injury Rates Per 100,000 Residents	47
Table 10: Persons Killed or Injured In Motor Vehicle Crashes by Person Type	48
Table 11: Persons Killed or Injured In Motor Vehicle Crashes by Sex	55
Table 12: Persons Killed or Injured In Motor Vehicle Crashes by Person Type and Sex	59
Table 13: Passenger Car Occupants Killed or Injured In Motor Vehicle Crashes	71
Table 14: Light Truck Occupants Killed or Injured In Motor Vehicle Crashes	72
Table 15: Pedestrians Killed or Injured In Motor Vehicle Crashes by Location	73
Table 16: Drivers Age 15-20 Involved In Fatal and Injury Crashes by Sex	79
Table 17: Drivers Over 69 Involved In Fatal and Injury Crashes by Sex	83
 Alcohol	87
Table 18: Alcohol-Related Motor Vehicle Crashes by Crash Severity	88
Table 19: Alcohol-Related Motor Vehicle Crashes by Weekday vs. Weekend and Crash Severity	89
Table 20: Alcohol-Related Motor Vehicle Crashes by Time of Day and Crash Severity	93
Table 21: Alcohol-Related Motor Vehicle Crashes by Crash Type and Crash Severity	97
Table 22: Total Motor Vehicles Involved In Alcohol-Related Motor Vehicle Crashes by Crash Severity	101
Table 23: Persons Killed or Injured In Alcohol-Related Motor Vehicle Crashes	102
Table 24: Alcohol-Related Motor Vehicle Crash Fatality and Injury Rates per 100,000 Residents	103
Table 25: Persons Killed or Injured In Alcohol-Related Motor Vehicle Crashes by Person Type and Sex	104
Table 26: Drivers Age 15-20 Involved In Fatal and Injury Alcohol-Related Crashes by Sex	116
 Speeding	121
Table 27: Speeding-Related Motor Vehicle Crashes by Crash Severity	122
Table 28: Speeding-Related Motor Vehicle Crashes by Weekday vs. Weekend and Crash Severity	123
Table 29: Speeding-Related Motor Vehicle Crashes by Time of Day and Crash Severity	127
Table 30: Speeding-Related Motor Vehicle Crashes by Crash Type and Crash Severity	131
Table 31: Total Motor Vehicles Involved In Speeding-Related Motor Vehicle Crashes by Crash Severity	134
Table 32: Persons Killed or Injured In Speeding-Related Motor Vehicle Crashes	135
Table 33: Speeding-Related Motor Vehicle Crash Fatality and Injury Rates per 100,000 Residents	136
Table 34: Persons Killed or Injured In Speeding-Related Motor Vehicle Crashes by Person Type and Sex	137
Table 35: Drivers Age 15-20 Involved In Fatal and Injury Speeding-Related Crashes by Sex	149

TABLE OF CONTENTS

	Rollovers	153
	Table 36: Single-Vehicle Rollover Crashes by Vehicle Type and Crash Severity	154
	Table 37: Passenger Car and Light Truck Occupants Killed or Injured In Single-Vehicle Rollover Crashes	163
	Motorcycles	169
	Table 38: Motor Vehicle Crashes Involving Motorcycles by Weekday vs. Weekend and Crash Severity	170
	Table 39: Motor Vehicle Crashes Involving Motorcycles by Time of Day and Crash Severity	176
	Table 40: Motorcycles Involved In Motor Vehicle Crashes by Crash Severity	182
	Table 41: Motorcycle Riders Killed or Injured In Motor Vehicle Crashes	184
	Large Trucks	185
	Table 42: Motor Vehicle Crashes Involving Large Trucks by Weekday vs. Weekend and Crash Severity	186
	Table 43: Motor Vehicle Crashes Involving Large Trucks by Time of Day and Crash Severity	192
	Table 44: Large Trucks Involved In Motor Vehicle Crashes by Crash Severity	198
	Table 45: Large Truck Occupants Killed or Injured In Motor Vehicle Crashes	200
	Fatalities and Injuries by Age	201
	Table 46: Persons Killed or Injured In Motor Vehicle Crashes by Age	202
	Table 47: Pedestrians Killed or Injured In Motor Vehicle Crashes by Age	219
	Table 48: Drivers Killed or Injured In Motor Vehicle Crashes by Age	236
	Safety Equipment	249
	Table 49: Passenger Car and Light Truck Occupants Killed or Injured by Restraint Use and Person Type	250
	Table 50: Passenger Car and Light Truck Occupants Under Age 6 Killed or Injured by Restraint Use	262
	Table 51: Motorcycle Operators Killed or Injured by Helmet Use and Age	296
	Appendix A: State Years and VIN Available for Analysis	329
	Appendix B: State Crash Inclusion Criteria	330
	Appendix C: State Reporting Policies for Uninjured Occupants	331
	Appendix D: SAS Methodology	332
	Introduction	332
	Creation of Primary Data Sets	333
	Creation of Merged Data Sets	334
	Creation of Secondary Data Sets	334
	Creation of Alcohol/Speeding Data Sets	339
	Creation of Derived Variables	342
	Use of Proc Freq for Data Table Generation	398
	Supplemental Information	401
	Appendix E: Fatalities and Injuries by State – Total, Alcohol, and Speeding	407
	Appendix F: Illegal BAC Levels and Maximum Legal Speed Limits	424
	Appendix G: Population, Licensed Drivers, and Vehicle Miles Traveled (VMT)	426
	Glossary	428