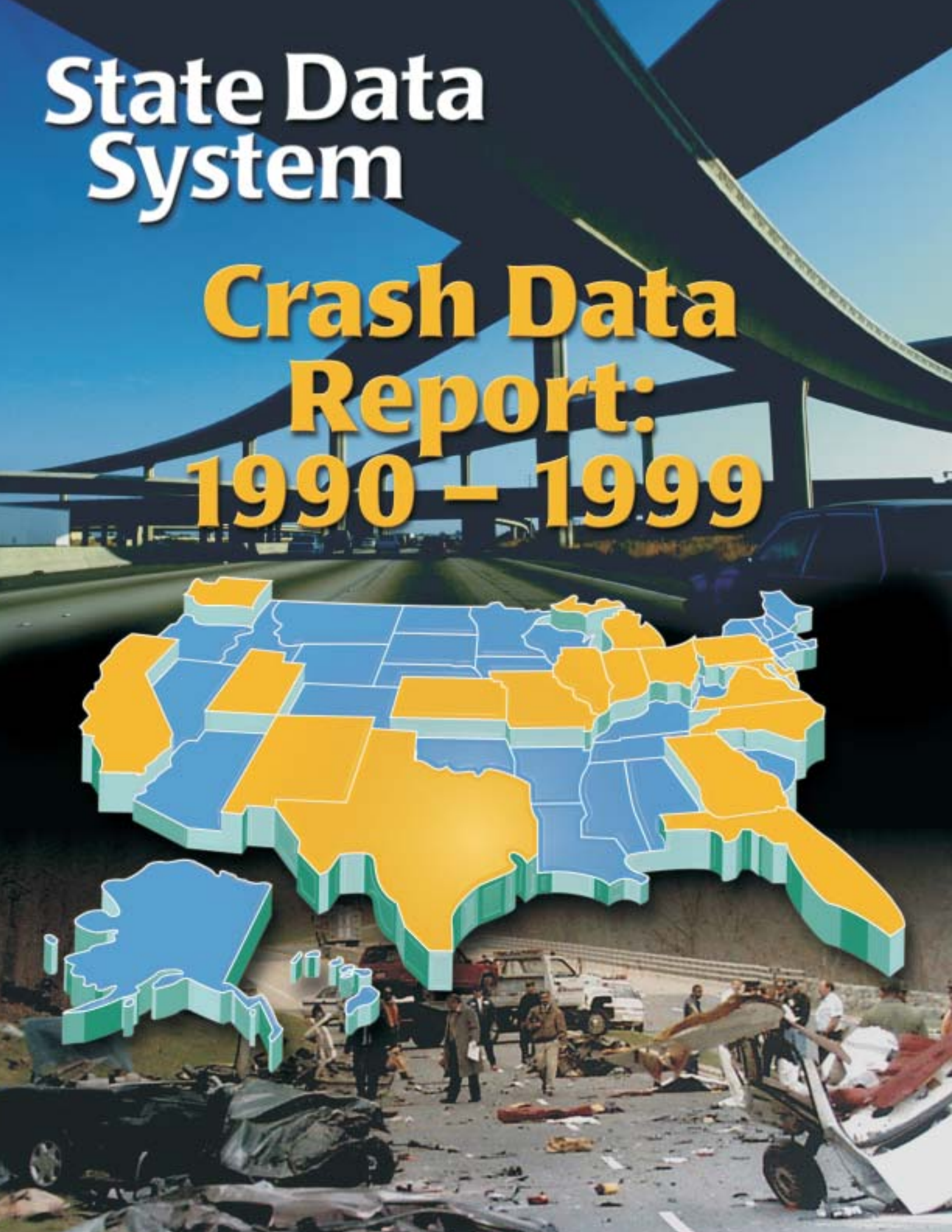
State Data System

Crash Data Report: 1990 – 1999



NCSA
National Center for Statistics & Analysis

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

State Data System
Crash Data Report: 1990 – 1999

National Highway Traffic Safety Administration
National Center for Statistics and Analysis
U.S. Department of Transportation
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About This Report

This report presents descriptive statistics summarizing motor vehicle traffic crashes that occurred from 1990-1999 in each of the seventeen states that participate in the State Data System, as well as other useful information about state crash data. These data are not representative of the nation as a whole, but do provide a comprehensive and illustrative census of motor vehicle crash patterns and trends in 17 states. Crash statistics are presented in ten sections. General information can be found in the first three sections: Crashes, Vehicles, and People. The remaining sections focus on more specific data subsets. Sections 4 and 5 present alcohol- and speeding-related crash summary data. Specific vehicle actions and types are presented in Sections 6-8 (Rollovers, Motorcycles, and Large Trucks). Finally, Section 9 provides additional information regarding the ages of persons who were killed and injured, while Section 10 focuses on vehicle safety equipment. State data availability, to include vehicle identification number (VIN) availability, is provided in Appendix A. Other state-specific information is given in the Appendices B-G.

The *State Data System Crash Data Report* is intended to replace the previous State Data System motor vehicle crash data report, *A Summary of Motor Vehicle Traffic Crashes from State Crash Data Files*, DOT HS 808 626, published in 1998. A summary of the major differences between this report and the earlier *Crash Data Files* follows.

- *Crash Data Report* provides extensive motor vehicle crash data from 1990-1999, while *Crash Data Files* provided basic data for the years 1989-1994, and more specific data only for the year 1994. *Crash Data Files* Exhibits 60, 101, 106, 107, 108, and 116 have been deleted. The remaining non-graphical exhibits in *Crash Data Files* have comparable equivalents in *Crash Data Report*, with several new tables being added.

- *Crash Data Report* corrects some minor data inaccuracies reported in *Crash Data Files* for the years 1990-1994.

- Due to space considerations, *Crash Data Files*' index of state crash variables and crash severity graphs have been deleted. *Crash Data Files'* graphical representations of percentiles (Exhibits 103A, 104A, 112A, 113A) have also been deleted. Injury severity graphs have been collected in Appendix E: Fatalities and Injuries By State—Total, Alcohol, and Speeding of *Crash Data Report.*

- *Crash Data Report* introduces Appendix A: State Years and VIN Available for Analysis; Appendix C: State Reporting Policies for Uninjured Occupants; Appendix E: Fatalities and Injuries by State—Total, Alcohol, and Speeding; Appendix F: Illegal BAC Levels and Maximum Legal Speed Limits; and, Appendix G: Population, Licensed Drivers, and Vehicle Miles Traveled (VMT).

- *Crash Data Report* Appendix B: State Crash Inclusion Criteria updates *Crash Data Files* Appendix A.
- *Crash Data Report* Appendix D: SAS Methodology contains the actual SAS® queries used to generate the crash data and replaces Appendix B in *Crash Data Files*.

Readers should be aware that discrepancies may be found if this report's descriptive statistics are compared with a given state's own publications using data from the state crash data files. These discrepancies can result from data updates made to the state crash data files between the time state publications were generated and the time the states prepared their files for NHTSA. Also, interpretations of a particular variable code may differ between NHTSA and a given state. For example, classification of motorcycles by NHTSA includes mopeds, while some states do not classify mopeds as motorcycles.

Fatality statistics in the *Crash Data Report* may also vary slightly from the fatality statistics reported in *Traffic Safety Facts*, another NHTSA publication. The *Crash Data Report* is extracted from the State Data System database while the *Traffic Safety Facts* is extracted from the Fatality Analysis Reporting System (FARS) and the National Automotive Sampling System General Estimates System (GES), and the criteria that the State Data System uses for reporting motor vehicle traffic crashes differs in some ways from the criteria used by FARS and GES. FARS has one set of data reporting criteria that is applied nationally. The states participating in the State Data System each have their own unique set of data reporting criteria, and that criteria may change from one year to the next (as reflected in the data queries provided in Appendix D).

Updates to this report can be obtained at:
http://www-nrd.nhtsa.dot.gov/departments/nrd-30/ncsa/SDS.html

Introduction

Statewide crash data provide the basic information for most of the analyses and data collection programs that support the NHTSA mission. Each state maintains a database that contains comprehensive information about the people, vehicles, and conditions recorded in police accident reports (PARs). Information will vary from state to state because each state has different data collection and reporting standards.

Since the early 1980s, NHTSA has been obtaining crash data files derived from data recorded on PARs. NHTSA refers to the collection of these computerized state crash data files obtained from seventeen states as the State Data System, which is conducted by the National Center for Statistics and Analysis (NCSA). The seventeen states participating in the program are: California, Florida, Georgia, Illinois, Indiana, Kansas, Maryland, Michigan, Missouri, New Mexico, North Carolina, Ohio, Pennsylvania, Texas, Utah, Virginia, and Washington. The crash data files from these states are requested annually from the appropriate state agencies. In most instances, the coordinating state agency is the state police, the state highway safety department, or the state Department of Transportation. These files are received in various digital formats and are converted to a common SAS® data format. (The details of the SAS® file structure are described in the following section, Data File Structure.) These SAS® files are placed on the Local Area Network (LAN) where they are available for the analytical needs of the NHTSA staff. Generally, the state crash data files in the State Data System are not available to researchers outside the DOT unless written permission has been granted by the state whose data have been requested.

The State Data System is a part of NCSA's overall State Data Program, which supports NHTSA's efforts to identify traffic safety problems, help develop and implement vehicle and driver countermeasures, evaluate motor vehicle standards, and to study crash avoidance issues, crashworthiness issues, and regulations. The State Data Program provides essential crash information detail that complements national data collection programs such as FARS and GES.

Crash data can be linked to non-crash specific data to generate information about the environment of the crash and the medical and financial outcome of persons injured in the crash. Consequently, other components of the State Data Program work to enhance the quality and utility of these crash data. These efforts include:

- Providing analytic support to NHTSA programs using state crash data;
- Providing states with technical assistance, and offering guidance on standardized reporting procedures, e.g., the Model Minimum Uniform Crash Criteria (MMUCC);

- Encouraging states to link their crash and injury outcome data in programs such as the Crash Outcome Data Evaluation System (CODES); and
- Providing resources through the CODES Data Network project for NHTSA's analysts to obtain access to an ever-increasing inventory of state-specific crash outcome data.

The State Data Program's objective is to fully develop the analytic potential of all state data of relevance to highway safety. Currently, NCSA is expanding its capabilities to include more states in the program as well as taking steps to improve PAR quality and uniformity.

Data File Structure

The State Data System SAS® data files are organized such that information about each crash in the file is contained in one of three separate files:

- Crash file: Information describing general crash characteristics, e.g., the environmental and roadway conditions at the time of the crash.
- Vehicle file: Information describing the vehicles involved in the crash.
- Person file: Information describing the drivers, passengers, pedalcyclists, pedestrians and other non-motorists involved in the crash.

This common data file structure for the state crash data files makes them easier to use. Appendix A contains a list of the available state years in the State Data System and identifies years that also include VIN information. More information concerning how to use each data file, including methods of combining crash, vehicle, and person data, can be found in Appendix D. Researchers with knowledge of the SAS® software should be able to reproduce the results herein by applying the methodology in Appendix D.

Each state has its own police accident report format, incorporating different data elements. Consequently, the SAS® data files for each state in the State Data System do not contain the same variables. In an effort to standardize the SAS® data files, NHTSA has adopted common variable names where appropriate (e.g., crash severity, vehicle damage severity, and injury severity). Also, note that those variables provided by the state that are not relevant to NHTSA analyses (e.g., police officer's badge number and the individual participants' names and addresses) have been eliminated.

Although common variable names are used in the SAS® data files, the variable definitions present in the files differ among states. This is further complicatedby the fact that different police jurisdictions within a state often interpret common data elements in different ways. This lack of uniformity should be carefully noted, and researchers are advised to be wary when drawing conclusions from data obtained from different states. When analyses involve two or more states in the State Data System, results need to be examined to ensure that any differences in the data being collected and coded by each state are taken into account.

The differences from state to state in data collection and reporting limit the utility of the state crash data files for most nationwide analyses. For example, the KABCO injury severity scale is used by most (but not all) states, yet the percentage of injuries in each of the four severity categories of the scale varies widely across states, indicating different interpretations or different crash reporting thresholds. Similar problems occur with the reporting of crash severity, where different and generally subjective scales are used in different states.

Additionally, states differ in their criteria for reporting traffic crashes. Since time pressures and limited resources prevent police from collecting all of the information desired by the many users of the data, reporting thresholds have been implemented to focus the data collection on information perceived as most important. Some states have a minimum dollar value for reporting property damage only crashes, while other states use a towaway criterion (see Appendix B).

In general, every state will report all of their fatal and injury crashes. However, uninjured vehicle occupants may or may not be reported (see Appendix C). One additional factor complicating data analysis is that states may change their reporting criteria, their policy on coding uninjured occupants, the interpretation of their data variable codes or, indeed, even their entire data structure. Any changes that have come to the NCSA's attention are duly noted in this report.

Data for some crashes in the state crash data files are incomplete. For this reason, a set of special codes is used to indicate why a given element may not be available for a particular crash, or for all crashes from a particular state. These codes are:

- Unknown: Information was coded as "Unknown" in the original police accident report.
- Missing: Information is normally available from the state, but was either coded as "Not Stated", "Not Coded", "Uncoded" or other similar designation. Missing information may also be indicated by the simple omission of any code.

Note that for a given state and variable, unknown and missing entries from the PARs may be grouped under a single code.

In the situations described in the preceding paragraphs and also for situations in which a data element is miscoded (e.g., valid data elements are [0, 1, 2] and a "3" is entered), the data elements are computationally treated as "unknowns" and are not included in the valid reporting categories.

For example, given the hypothetical frequency distribution of raw data for the variable "SEX":

0 = Not Stated	0.2%
1 = Male	47.3%
2 = Female	47.7%
3 = Unknown	2.2%
4,5 = Miscoded	0.1%
Not Coded	2.5% (entries are blank for these observations)

This would be computationally treated as:

1 = Male	47.3%
2 = Female	47.7%
3 = Unknown	5.0%

The state crash data files contain large amounts of information that are in a relatively raw form. Edit procedures are performed by states at the point of data entry in an effort to correct coding problems. In certain circumstances, minor additional editing of the data files are performed for consistency purposes. This editing typically involves recoding inconsistent dates, times, and ages to unknown. In addition, quality control mechanisms are applied to the files received from the states by NHTSA. NHTSA has implemented these quality control efforts to ensure the SAS® conversion programs work correctly. If discrepancies in the data are detected, they are referred to the state agency providing the data file, but are not corrected in the State Data System data files. However, in tabulating the descriptive statistics contained in this report, a small number of crashes were removed from consideration. These crashes fall into two categories:

- Crashes with missing elements. These are crashes without associated vehicle information, or vehicles without associated crash information.
- Crashes with ambiguous information. Some crashes may have multiple vehicles with the same vehicle number (making it difficult to place vehicle occupants in their correct vehicles). In rare cases, multiple crashes may have the same case number (making it difficult to associate vehicles with their proper crashes).

File Characteristics

GENERAL NOTES

1. Unless otherwise noted, the data structure for a given state is uniform from 1990-1999. If the data structure has changed, a given variable's codes may or may not have changed. Consult the specific queries in Appendix D for more information.
2. Specific alcohol variables may only be coded for certain person types. If a given person type is associated with an alcohol indicator, it should be assumed that at least one of the alcohol variables in the Person file is coded for that person type. Again, consult the specific queries in Appendix D for more information.
3. Unless otherwise noted, parked vehicles and hit and run vehicles are included in the Vehicle file. Phantom vehicles, vehicles that cause but are not involved in the crash, are not included in the Vehicle file.

STATE-SPECIFIC NOTES

California

- The Number of Vehicles (num_veh) variable includes pedestrians and pedalcyclists.
- Alcohol indicators are coded for drivers, pedestrians, and pedalcyclists.

Florida

- Two data structures are present, 1990-1992 and 1993-1999.
- Phantom vehicles are included in the Vehicle file.
- The Number of Vehicles (num_veh) variable includes pedalcyclists.
- Alcohol indicators are coded for drivers, pedestrians, and pedalcyclists.
- Florida does not code gender information for passengers.

Georgia

- Due to problems arising from re-engineering its database, Georgia was unable to provide crash data for 1999.
- Three data structures are present, 1990-1993, 1994-1997, and 1998.
- The total number of crashes for 1998 is approximately 7% less than previous years due to the deletion of inconsistent cases.
- Four months of 1998 data are considered unreliable due to a change of administrative system and are currently being re-tabulated.
- The Number of Vehicles (num_veh) variable includes pedalcyclists.
- Alcohol indicators are coded for drivers, pedestrians, and pedalcyclists.

Illinois

- Illinois has undergone several significant changes over the reporting period. While many of the pertinent data variables and codes are unchanged over the ten-year period, their usage has changed. The data structure is identical for 1990-1995, but the interpretations used by police officers changed with the introduction of a new PAR in mid-1993. Another PAR was introduced in 1996. The data structure for 1996-1999 retains some of the variables from the 1990-1995 period, modifies or adds codes for other variables, and also introduces new variables not used before 1996. Researchers should consult the individual queries used in Appendix D to determine if a variable in question has changed. Further complicating matters is the fact that the 1996-1999 raw data files received from Illinois are incomplete when compared to the 1990-1995 raw data files. The 1996 file is approximately half the normal size, consisting only of state routes. The 1997 raw data file is missing approximately one-third of the non-fatal crashes in Chicago. The 1998 and 1999 raw data files are missing all non-fatal crashes in Chicago. Due to the above circumstances, the periods 1990-1992, 1994-1995, and 1997-1999 should be viewed as three distinct intervals, and the years 1993 and 1996 are transition years.

- Pedestrian and pedalcyclist injuries for 1996 are considerably lower than expected (as a proportion of total injuries), possibly due to the exclusion of crashes not occurring on state routes. Pedestrian and pedalcyclist fatality totals for 1996 are also somewhat lower than expected.
- The Vehicle Type (veh_type) variable categories of 'Not Stated/Other/Unknown' comprise approximately 4-5% of the observations for 1990-1993, 37-39% for 1994-1995, and 2-6% for 1996-1999. For this reason, fairly sharp decreases may be observed for vehicle-specific tables when comparing 1993 and 1994 data.
- The Restraint Device (rest1) variable 'Unknown/Not Stated/Missing' categories comprise approximately 93% of the observations in 1990, 79% in 1991, and 28-37% in the period 1992-1995. Hence, the safety equipment data for 1990-1995 demonstrates distinct variability for this period. As noted above, the 1996-1999 data is incomplete, and comparisons with the 1990-1995 period should be made with care.
- Neither pedestrians nor pedalcyclists are included in the Number of Vehicles (num_veh) variable.
- Alcohol indicators are coded for drivers.
- Speeding-related crash totals dramatically increase from 1996 through 1999 due to the introduction of a new Person-level variable, Driver Contributing Circumstance (con_cir1), with a speeding indicator of 'Too fast for conditions'.

Indiana

- Neither pedestrians nor pedalcyclists are included in the Number of Vehicles (num_veh) variable.
- Alcohol indicators are coded for drivers, pedestrians, and pedalcyclists. Passengers may also be coded for alcohol indicators at the officer's discretion.

Kansas

- Neither pedestrians nor pedalcyclists are included in the Number of Vehicles (num_veh) variable.
- Alcohol indicators are coded for drivers, pedestrians, and pedalcyclists.
- Rollover totals decrease by approximately one-third beginning in 1997. Kansas believes this is due to a change in the coding of the First Harmful Event (event1) variable.

Maryland

- Two data structures are present, 1990-1992 and 1993-1999. Due to the transition in 1993, Maryland believes that the data for 1993 and 1994 are unreliable, especially the vehicle data.
- Neither pedestrians nor pedalcyclists are included in the Number of Vehicles (num_veh) variable.
- Alcohol indicators are coded for drivers, pedestrians, and pedalcyclists.

Michigan

- There are three distinct sets of data for Michigan representing the periods 1990-1991, 1992, and 1993-1999. The data structure changed dramatically in 1992. Additional coding changes were made in 1993. In general, the 1992 Michigan crash statistics are believed to be artificially low by an estimated 6-10% due to a number of the PARs not being processed. Physical damage to some PARs and technical problems with data recorded on other PARs are reported as the primary causes.[1]

- Michigan totals exclude non-traffic crashes. These crashes can be identified using the Accident file Crash Indicator (crash) variable. Case numbers with crash='1' were excluded from the Accident, Vehicle, and Person files prior to generating the Michigan totals reported herein.

- Parked vehicles are not included in the 1990-1991 Vehicle files; they are included in the 1992-1999 Vehicle files. Hit and run vehicles are included, and phantom vehicles are excluded, in the 1990-1999 Vehicle files.

- Neither pedestrians nor pedalcyclists are included in the Number of Vehicles (num_veh) variable for 1990-1991. Pedestrians and pedalcyclists are included in the Number of Vehicles variable for 1992-1999. There is a drop in the percentage of single vehicle crashes from approximately 40% (1990-91) to approximately 30% (1992-99). This drop is partly attributable to the inclusion of parked vehicles, partly due to the inclusion of pedestrians/pedalcyclists as traffic units, and partly due to data entry errors (1992-99).

- Alcohol indicators are coded for drivers, pedestrians, and pedalcyclists.

Missouri

- Two data structures are present, 1990-1992 and 1993-1999. The following variables used in this report also changed in 1995: Contributing Circumstance 1-5 (contfac1-5), Pedestrian Contributing Circumstance 1-4 (cont_cir1-4). These variables were used in alcohol- and speeding-related crash determinations.

- The Number of Vehicles (num_veh) variable includes pedalcyclists.

- Alcohol indicators are coded for drivers, pedestrians, and pedalcyclists.

- The classification of light trucks and large trucks for 1990-1992 is approximate due to Missouri's use of a generic truck descriptor "Single Truck" in this time period. The Truck Licensed Weight (gvwr) variable was used to make an approximate distinction. Trucks with a gvwr of 12,000 lbs. or less (Missouri's low weight classification is <12,000 lbs. as opposed to NHTSA's classification of <10,000 lbs.), and those single trucks with an unknown gvwr were designated light trucks. This method gives general agreement with the frequencies of light and large trucks for 1993-1999.

[1]*Source: 1993 Michigan Traffic Crash Facts, Michigan Department of State Police.*

New Mexico

- Parked vehicles are included in the Vehicle files. Hit and run vehicles and phantom vehicles are not.
- New Mexico does not have a Number of Vehicles variable. However, the corresponding derived variable used in this report does not include pedestrians or pedalcyclists.
- Alcohol indicators are coded for drivers, pedestrians, and pedalcyclists. Passengers who are fatally injured also are coded for alcohol indicators. Passengers not fatally injured may also be coded for alcohol indicators at the officer's discretion.
- New Mexico changed their police accident report in 1993. However, there were no variables used in this report that were affected.

North Carolina

- Data from North Carolina were not incorporated into the State Data System until 1992, and as a result this report does not contain crash data from North Carolina for 1990-1991.
- The Number of Units (numunit) variable includes pedestrians and pedalcyclists.
- Alcohol indicators are coded for drivers, pedestrians, and pedalcyclists.

Ohio

- The Number of Vehicles (num_veh) variable includes pedestrians and pedalcyclists.
- Alcohol indicators are coded for drivers, pedestrians, and pedalcyclists.
- Private property crashes, included in the 1990-1992 data files and identified by an Accident Severity (severity) variable value of '4', have been excluded from the report analysis.

Pennsylvania

- Illegally parked vehicles and hit and run vehicles are included in the Vehicle files. Legally parked vehicles and phantom vehicles are not.
- The Number of Vehicles (num_veh) variable includes pedalcyclists.
- Alcohol indicators are coded for drivers, pedestrians, and pedalcyclists.
- The contributing factor codes used in speeding crash determinations changed in 1993.

Texas

- Parked vehicles, hit and run vehicles, and phantom vehicles are excluded from the Vehicle files.
- Neither pedestrians nor pedalcyclists are included in the Number of Vehicles (num_veh) variable. Parked vehicles, hit and run vehicles, and phantom vehicles, while not included in the Vehicle file, are included in the Number of Vehicles total. Also, vehicle types described as “machinery” are not included in the Number of Vehicles total. For these reasons, approximately 2-3% of the crashes reported by Texas will have a Number of Vehicles total greater than the number of vehicle records in the Vehicle file; a negligible number of crashes will have Number of Vehicles totals less than the number of vehicles in the Vehicle file.
- Alcohol indicators are coded for drivers, pedestrians, and pedalcyclists.
- Texas raised its minimum assessed property damage reporting standard for property damage only (PDO) crashes in 1995. PDO crash totals markedly decrease in 1995 and 1996.

Utah

- The Number of Vehicles (num_veh) variable does not include pedestrians or pedalcyclists.
- Alcohol indicators are coded for drivers, pedestrians, and pedalcyclists.

Virginia

- The Number of Vehicles (num_veh) variable includes pedalcyclists.
- Alcohol indicators are coded for drivers, pedestrians, and pedalcyclists. Fatal passengers also are coded for alcohol indicators.
- Virginia does not code motorcyclist helmet information.

Washington

- Due to problems arising from re-engineering its database, Washington was unable to provide crash data for 1997-1999.
- Washington does not have a Number of Vehicles variable. However, the corresponding derived variable used in this report does not include pedestrians or pedalcyclists.
- Alcohol indicators are coded for drivers, pedestrians, and pedalcyclists.

Associated Analyses and Reports

The State Data System has been used in the following:

- Investigating the relative risk of subject and peer vehicles to support NHTSA's defect investigation program.
- Firestone/Ford Explorer Analysis.
- Crashworthiness analysis.
- Rollover analysis – "Statistical Analysis of Vehicle Rollover Propensity and Vehicle Stability, Auto & Traffic Safety", DOT HS 808 114, May 1994; "The Rollover Propensity of Fifteen-Passenger Vans", Research Note, April 2001.
- Anti-lock braking system analysis – "Preliminary Evaluation of the Effectiveness of Antilock Brake Systems for Passenger Cars", DOT HS 808 206, December 1994; "An Analysis of the Crash Experience of Light Trucks Equipped with Anti-Lock Braking Systems", DOT HS 808 278, May 1995; "An Analysis of the Crash Experience of Passenger Cars Equipped with Anti-Lock Braking Systems", DOT HS 808 279, May 1995.
- Comparative analysis – "General Estimates System Alternatives", DOT HS 808 340, February 1996; "Rural and Urban Crashes: A Comparative Analysis", DOT HS 808 450, August 1996.
- Other reports:
  - "Federal Motor Vehicle Safety Standards: Rollover Resistance", June 2000.
  - "A Preliminary Assessment of the Crash-Reducing Effectiveness of Passenger Car Daytime Running Lights (DRLs)", DOT HS 808 645, June 2000.
  - "Effectiveness of Lap/Shoulder Belts in the Back Outboard Seating Positions", DOT HS 808 945, June 1999.
  - "The Long Term Effectiveness of Center High Mounted Stop Lamps in Passenger Cars and Light Trucks", DOT HS 808 696, March 1998.
  - "Relationship Between Vehicle Size and Fatality Risk in Model Year, 1985-93 Passenger Cars and Light Trucks", DOT HS 808 570, January 1997.

- “Estimating the Injury-Reducing Benefits of Ejection-Mitigating Glazing”, DOT HS 808 369, February 1996.
- “An Analysis of Fires in Passenger Cars, Light Trucks and Vans”, DOT HS 808 208, December 1994.
- “Rail-Highway Crossing Safety: Fatal Crash and Demographic Descriptors”, DOT HS 808 196, November 1994.
- “Safety Impact of Permitting Right Turn on Red”, A Report To Congress, August 1994.
- “An Evaluation of the Effects of Glass-Plastic Windshield Glazing in Passenger Cars”, DOT HS 808 062, November 1993.
- “Motor Vehicle Fires in Traffic Crashes and the Effects of Fuel System Integrity Standard”, DOT HS 807 675, November 1990.

Crashes

Crash Data Report: 1990-1999

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Table 1: Motor Vehicle Crashes by Crash Severity

STATE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
FATAL CRASHES										
California	4,658	4,164	3,707	3,678	3,772	3,636	3,555	3,252	3,075	3,144
Florida	2,643	2,271	2,218	2,454	2,450	2,586	2,550	2,542	2,605	2,625
Georgia	1,410	1,230	1,186	1,246	1,286	1,337	1,406	1,409	1,383	*
Illinois	1,431	1,288	1,250	1,250	1,395	1,402	701	1,261	1,242	1,295
Indiana	924	904	800	782	876	859	874	849	884	894
Kansas	391	350	337	375	381	394	442	419	441	457
Maryland	681	645	593	605	605	613	563	569	551	555
Michigan	1,401	1,290	1,168	1,260	1,252	1,381	1,330	1,275	1,235	1,248
Missouri	943	906	874	848	947	985	1,006	1,029	1,017	964
New Mexico	440	422	398	386	388	425	412	400	374	387
North Carolina	*	*	1,131	1,239	1,262	1,318	1,328	1,298	1,438	1,362
Ohio	1,478	1,451	1,303	1,327	1,210	1,216	1,248	1,268	1,290	1,284
Pennsylvania	1,514	1,510	1,385	1,403	1,319	1,337	1,354	1,418	1,358	1,382
Texas	2,882	2,696	2,690	2,690	2,710	2,790	3,247	3,071	3,160	3,106
Utah	236	229	235	259	302	285	292	311	308	318
Virginia	947	836	762	790	823	826	803	897	833	794
Washington	726	603	593	579	574	577	643	*	*	*
INJURY CRASHES										
California	236,516	224,004	215,072	202,656	203,223	196,569	193,805	185,952	189,007	188,730
Florida	130,584	120,144	125,336	129,629	135,187	143,839	149,565	148,305	149,315	143,172
Georgia	63,401	61,091	65,231	69,102	82,382	85,527	88,311	86,820	81,750	*
Illinois	105,743	99,042	103,276	102,493	99,858	99,127	42,022	85,741	70,911	70,058
Indiana	48,901	45,646	50,258	52,557	54,297	55,691	53,954	54,263	53,805	51,850
Kansas	20,068	19,036	19,674	19,939	20,093	20,315	20,553	20,768	20,582	20,154
Maryland	48,893	44,802	47,180	37,285	42,568	42,050	42,632	40,046	38,164	38,157
Michigan	97,624	91,478	80,531	91,335	97,572	100,058	98,483	95,202	91,119	87,793
Missouri	46,700	43,917	45,395	49,046	51,044	51,956	52,732	51,810	51,212	50,616
New Mexico	15,964	15,931	17,217	17,825	18,949	19,727	19,701	18,860	17,810	15,348
North Carolina	*	*	77,272	81,368	87,302	92,330	94,294	95,931	94,537	95,759
Ohio	125,833	116,339	119,508	121,587	123,101	127,960	130,793	128,296	123,784	121,076
Pennsylvania	92,622	84,980	86,446	85,823	85,458	86,977	89,728	90,593	88,461	88,683
Texas	162,416	161,470	170,513	178,194	192,014	196,093	204,634	204,726	202,223	203,220
Utah	14,320	13,517	15,429	16,587	18,192	19,093	20,165	20,505	19,424	19,509
Virginia	51,753	47,691	50,680	51,827	54,677	55,035	55,178	54,697	54,834	55,092
Washington	51,713	49,048	51,186	51,497	54,782	56,589	56,401	*	*	*

**Data not available.*

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 1: Motor Vehicle Crashes by Crash Severity

STATE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
PROPERTY DAMAGE ONLY CRASHES										
California	310,657	286,222	272,229	271,156	273,098	271,553	278,325	274,690	290,526	289,890
Florida	83,014	72,895	68,620	66,956	68,546	82,164	89,262	89,792	93,520	97,612
Georgia	163,216	156,347	164,574	171,648	186,268	196,747	208,447	213,541	197,448	*
Illinois	344,834	327,599	306,456	315,420	351,829	360,677	123,515	291,497	225,070	240,190
Indiana	140,618	132,004	167,690	176,247	184,054	190,981	193,916	193,683	191,021	196,768
Kansas	42,345	42,531	43,947	49,326	46,361	49,554	52,877	55,455	58,089	57,629
Maryland	57,884	52,010	51,708	47,369	53,692	53,885	56,199	55,437	55,109	58,663
Michigan	288,323	272,075	262,206	270,526	299,144	319,460	335,297	328,982	311,391	326,597
Missouri	123,914	117,236	117,167	127,934	128,411	132,979	137,425	139,039	142,750	142,281
New Mexico	33,372	30,850	32,608	30,513	30,937	32,125	32,053	32,579	30,048	26,242
North Carolina	*	*	113,505	123,485	135,322	149,695	132,195	134,401	136,937	143,123
Ohio	246,211	231,587	235,646	239,148	246,061	254,206	263,072	257,288	252,845	263,342
Pennsylvania	47,210	43,915	46,276	47,224	47,405	48,521	51,813	52,322	51,422	54,104
Texas	216,136	207,282	209,152	209,533	219,890	152,190	90,261	96,966	102,732	105,375
Utah	29,983	27,054	28,598	31,803	33,353	31,401	34,396	34,126	34,327	32,968
Virginia	81,804	73,989	70,969	67,648	71,136	71,265	75,104	74,381	80,471	83,687
Washington	79,617	72,035	73,786	71,881	74,543	78,032	83,171	*	*	*
ALL CRASHES										
California	551,831	514,390	491,008	477,490	480,093	471,758	475,685	463,894	482,608	481,764
Florida	216,241	195,310	196,174	199,039	206,183	228,589	241,377	240,639	245,440	243,409
Georgia	228,027	218,668	230,991	241,996	269,936	283,611	298,164	301,770	280,581	*
Illinois	452,008	427,929	410,982	419,163	453,082	461,206	166,238	378,499	297,223	311,543
Indiana	190,443	178,554	218,748	229,586	239,227	247,531	248,744	248,795	245,710	249,512
Kansas	62,804	61,917	63,958	69,640	66,835	70,263	73,872	76,642	79,112	78,240
Maryland	107,458	97,457	99,481	85,259	96,865	96,548	99,394	96,052	93,824	97,375
Michigan	387,348	364,843	343,905	363,121	397,968	420,899	435,110	425,459	403,745	415,638
Missouri	171,557	162,059	163,436	177,828	180,402	185,920	191,163	191,878	194,979	193,861
New Mexico	49,776	47,203	50,223	48,724	50,274	52,277	52,166	51,839	48,232	41,977
North Carolina	*	*	191,908	206,092	223,886	243,343	227,817	231,630	232,912	240,244
Ohio	373,522	349,377	356,457	362,062	370,372	383,382	395,113	386,852	377,919	385,702
Pennsylvania	141,346	130,405	134,107	134,450	134,182	136,835	142,895	144,333	141,241	144,169
Texas	381,434	371,448	382,355	390,417	414,614	351,073	298,142	304,763	308,115	311,701
Utah	44,539	40,800	44,262	48,649	51,847	50,779	54,853	54,942	54,059	52,795
Virginia	134,504	122,516	122,411	120,265	126,636	127,126	131,085	129,975	136,138	139,573
Washington	132,056	121,686	125,565	123,957	129,899	135,198	140,215	*	*	*

**Data not available.*

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 2: Motor Vehicle Crashes by Weekday vs. Weekend and Crash Severity

STATE	PERIOD	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						FATAL CRASHES					
California	Weekday	2,539	2,234	2,060	2,090	2,137	2,060	2,079	1,878	1,763	1,753
	Weekend	2,107	1,913	1,635	1,576	1,621	1,563	1,465	1,365	1,301	1,378
	Unknown	12	17	12	12	14	13	11	9	11	13
	Total	4,658	4,164	3,707	3,678	3,772	3,636	3,555	3,252	3,075	3,144
Florida	Weekday	1,436	1,204	1,275	1,373	1,458	1,495	1,475	1,480	1,536	1,522
	Weekend	1,196	1,064	939	1,077	988	1,085	1,069	1,053	1,067	1,099
	Unknown	11	3	4	4	4	6	6	9	2	4
	Total	2,643	2,271	2,218	2,454	2,450	2,586	2,550	2,542	2,605	2,625
Georgia	Weekday	785	710	698	704	800	798	868	856	848	*
	Weekend	625	520	488	542	486	539	538	553	535	*
	Total	1,410	1,230	1,186	1,246	1,286	1,337	1,406	1,409	1,383	*
Illinois	Weekday	793	754	699	686	774	791	428	746	704	748
	Weekend	633	534	551	563	619	611	273	515	538	547
	Unknown	5	0	0	1	2	0	0	0	0	0
	Total	1,431	1,288	1,250	1,250	1,395	1,402	701	1,261	1,242	1,295
Indiana	Weekday	521	502	463	469	534	530	559	519	563	547
	Weekend	401	399	331	310	340	325	314	328	319	346
	Unknown	2	3	6	3	2	4	1	2	2	1
	Total	924	904	800	782	876	859	874	849	884	894
Kansas	Weekday	180	169	169	207	180	194	227	241	219	247
	Weekend	174	153	138	138	165	174	184	127	192	177
	Unknown	37	28	30	30	36	26	31	51	30	33
	Total	391	350	337	375	381	394	442	419	441	457
Maryland	Weekday	358	380	344	396	396	344	338	343	333	343
	Weekend	322	265	248	209	209	237	225	226	218	212
	Unknown	1	0	1	0	0	32	0	0	0	0
	Total	681	645	593	605	605	613	563	569	551	555
Michigan	Weekday	807	707	667	743	769	790	795	747	750	701
	Weekend	592	583	499	511	479	589	530	527	484	543
	Unknown	2	0	2	6	4	2	5	1	1	4
	Total	1,401	1,290	1,168	1,260	1,252	1,381	1,330	1,275	1,235	1,248
Missouri	Weekday	544	508	525	512	515	589	588	606	611	568
	Weekend	399	395	345	334	428	392	415	421	404	390
	Unknown	0	3	4	2	4	4	3	2	2	6
	Total	943	906	874	848	947	985	1,006	1,029	1,017	964

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 2: Motor Vehicle Crashes by Weekday vs. Weekend and Crash Severity

STATE	PERIOD	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
FATAL CRASHES (Continued)											
New Mexico	Weekday	232	241	192	200	200	254	224	213	224	211
	Weekend	208	179	206	186	188	169	188	184	150	176
	Unknown	0	2	0	0	0	2	0	3	0	0
	Total	440	422	398	386	388	425	412	400	374	387
North Carolina	Weekday	*	*	644	732	743	800	825	775	894	827
	Weekend	*	*	486	505	519	517	502	520	542	534
	Unknown	*	*	1	2	0	1	1	3	2	1
	Total	*	*	1,131	1,239	1,262	1,318	1,328	1,298	1,438	1,362
Ohio	Weekday	854	812	762	802	727	771	775	775	767	792
	Weekend	624	639	539	525	483	445	473	493	523	491
	Unknown	0	0	2	0	0	0	0	0	0	1
	Total	1,478	1,451	1,303	1,327	1,210	1,216	1,248	1,268	1,290	1,284
Pennsylvania	Weekday	867	855	792	826	759	811	826	825	822	810
	Weekend	647	655	593	577	560	526	527	593	535	571
	Unknown	0	0	0	0	0	0	1	0	1	1
	Total	1,514	1,510	1,385	1,403	1,319	1,337	1,354	1,418	1,358	1,382
Texas	Weekday	1,482	1,430	1,436	1,411	1,408	1,459	1,742	1,688	1,711	1,712
	Weekend	1,400	1,266	1,254	1,279	1,302	1,331	1,505	1,383	1,449	1,394
	Total	2,882	2,696	2,690	2,690	2,710	2,790	3,247	3,071	3,160	3,106
Utah	Weekday	143	124	129	159	181	173	177	192	199	187
	Weekend	93	105	106	100	121	112	115	119	109	130
	Unknown	0	0	0	0	0	0	0	0	0	1
	Total	236	229	235	259	302	285	292	311	308	318
Virginia	Weekday	508	488	447	454	475	455	474	528	514	462
	Weekend	439	348	315	336	348	369	328	368	319	332
	Unknown	0	0	0	0	0	2	1	1	0	0
	Total	947	836	762	790	823	826	803	897	833	794
Washington	Weekday	413	337	340	331	329	326	381	*	*	*
	Weekend	313	266	253	248	245	251	262	*	*	*
	Total	726	603	593	579	574	577	643	*	*	*

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 2: Motor Vehicle Crashes by Weekday vs. Weekend and Crash Severity

STATE	PERIOD	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURY CRASHES					
California	Weekday	157,067	149,728	146,013	137,288	138,659	135,327	134,330	129,372	130,360	131,811
	Weekend	79,326	74,172	68,926	65,247	64,483	61,163	59,433	56,541	58,611	56,889
	Unknown	123	104	133	121	81	79	42	39	36	30
	Total	236,516	224,004	215,072	202,656	203,223	196,569	193,805	185,952	189,007	188,730
Florida	Weekday	86,268	81,368	85,751	88,604	92,919	99,374	104,020	103,146	104,836	98,999
	Weekend	44,204	38,660	39,495	40,852	42,033	44,246	45,319	44,951	44,313	43,991
	Unknown	112	116	90	173	235	219	226	208	166	182
	Total	130,584	120,144	125,336	129,629	135,187	143,839	149,565	148,305	149,315	143,172
Georgia	Weekday	42,852	41,754	45,215	48,276	57,924	59,484	61,399	61,309	58,321	*
	Weekend	20,549	19,337	20,016	20,826	24,458	26,043	26,912	25,511	23,429	*
	Total	63,401	61,091	65,231	69,102	82,382	85,527	88,311	86,820	81,750	*
Illinois	Weekday	69,892	66,443	69,424	68,123	66,959	67,030	29,354	58,573	49,995	48,747
	Weekend	35,736	32,485	33,734	34,192	32,576	31,863	12,618	27,078	20,836	21,249
	Unknown	115	114	118	178	323	234	50	90	80	62
	Total	105,743	99,042	103,276	102,493	99,858	99,127	42,022	85,741	70,911	70,058
Indiana	Weekday	32,505	30,312	34,421	35,207	37,225	38,171	37,684	37,267	37,767	35,782
	Weekend	16,283	15,240	15,642	17,123	16,842	17,235	16,032	16,704	15,727	15,764
	Unknown	113	94	195	227	230	285	238	292	311	304
	Total	48,901	45,646	50,258	52,557	54,297	55,691	53,954	54,263	53,805	51,850
Kansas	Weekday	10,936	10,549	11,116	11,538	11,329	11,548	11,793	12,035	11,660	11,681
	Weekend	6,782	6,185	6,238	6,009	6,474	6,164	6,286	6,259	6,578	6,082
	Unknown	2,350	2,302	2,320	2,392	2,290	2,603	2,474	2,474	2,344	2,391
	Total	20,068	19,036	19,674	19,939	20,093	20,315	20,553	20,768	20,582	20,154
Maryland	Weekday	31,904	29,594	31,503	26,084	29,511	21,431	29,440	27,047	26,440	26,175
	Weekend	16,885	15,134	15,603	11,201	13,057	10,748	13,192	12,999	11,724	11,982
	Unknown	104	74	74	0	0	9,871	0	0	0	0
	Total	48,893	44,802	47,180	37,285	42,568	42,050	42,632	40,046	38,164	38,157
Michigan	Weekday	64,519	60,779	53,948	61,641	67,225	68,073	68,909	66,023	63,847	61,268
	Weekend	33,073	30,673	25,030	29,428	30,086	31,654	29,244	28,974	27,115	26,363
	Unknown	32	26	1,553	266	261	331	330	205	157	162
	Total	97,624	91,478	80,531	91,335	97,572	100,058	98,483	95,202	91,119	87,793
Missouri	Weekday	30,955	29,192	30,628	33,315	34,623	35,413	36,052	36,153	35,528	35,008
	Weekend	15,677	14,654	14,699	15,652	16,344	16,431	16,581	15,574	15,576	15,539
	Unknown	68	71	68	79	77	112	99	83	108	69
	Total	46,700	43,917	45,395	49,046	51,044	51,956	52,732	51,810	51,212	50,616

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 2: Motor Vehicle Crashes by Weekday vs. Weekend and Crash Severity

STATE	PERIOD	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
					INJURY CRASHES (Continued)						
New Mexico	Weekday	10,653	10,771	11,660	12,267	13,277	13,973	13,907	13,445	12,670	10,867
	Weekend	5,208	5,054	5,476	5,506	5,660	5,746	5,787	5,391	5,128	4,479
	Unknown	103	106	81	52	12	8	7	24	12	2
	Total	15,964	15,931	17,217	17,825	18,949	19,727	19,701	18,860	17,810	15,348
North Carolina	Weekday	*	*	53,420	56,081	61,461	64,647	66,987	68,263	67,677	68,035
	Weekend	*	*	23,713	25,204	25,759	27,571	27,209	27,565	26,790	27,619
	Unknown	*	*	139	83	82	112	98	103	70	105
	Total	*	*	77,272	81,368	87,302	92,330	94,294	95,931	94,537	95,759
Ohio	Weekday	82,365	76,775	81,033	81,771	85,011	88,274	91,077	88,183	87,496	84,093
	Weekend	43,253	39,340	38,323	39,643	37,934	39,550	39,586	39,977	36,143	36,823
	Unknown	215	224	152	173	156	136	130	136	145	160
	Total	125,833	116,339	119,508	121,587	123,101	127,960	130,793	128,296	123,784	121,076
Pennsylvania	Weekday	59,209	54,965	56,520	56,122	56,831	57,710	60,224	60,638	59,789	59,127
	Weekend	33,237	29,849	29,771	29,539	28,479	29,151	29,360	29,784	28,545	29,427
	Unknown	176	166	155	162	148	116	144	171	127	129
	Total	92,622	84,980	86,446	85,823	85,458	86,977	89,728	90,593	88,461	88,683
Texas	Weekday	106,021	105,261	112,419	119,350	128,659	132,272	138,606	139,239	137,915	138,471
	Weekend	56,395	56,209	58,094	58,844	63,355	63,821	66,028	65,487	64,308	64,749
	Total	162,416	161,470	170,513	178,194	192,014	196,093	204,634	204,726	202,223	203,220
Utah	Weekday	10,052	9,525	10,866	11,784	13,030	13,763	14,487	14,827	13,950	14,163
	Weekend	4,207	3,969	4,538	4,792	5,149	5,327	5,677	5,677	5,474	5,346
	Unknown	61	23	25	11	13	3	1	1	0	0
	Total	14,320	13,517	15,429	16,587	18,192	19,093	20,165	20,505	19,424	19,509
Virginia	Weekday	33,447	31,092	33,566	34,590	37,081	37,503	38,362	37,443	38,215	38,403
	Weekend	18,251	16,537	17,054	17,182	17,540	17,480	16,779	17,215	16,596	16,622
	Unknown	55	62	60	55	56	52	37	39	23	67
	Total	51,753	47,691	50,680	51,827	54,677	55,035	55,178	54,697	54,834	55,092
Washington	Weekday	34,976	33,783	35,261	35,856	38,758	39,647	39,782	*	*	*
	Weekend	16,731	15,257	15,921	15,639	16,013	16,932	16,611	*	*	*
	Unknown	6	8	4	2	11	10	8	*	*	*
	Total	51,713	49,048	51,186	51,497	54,782	56,589	56,401	*	*	*

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 2: Motor Vehicle Crashes by Weekday vs. Weekend and Crash Severity

STATE	PERIOD	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
PROPERTY DAMAGE ONLY CRASHES											
California	Weekday	210,355	194,752	187,661	185,906	187,755	188,120	195,545	193,318	202,027	205,000
	Weekend	99,423	90,672	83,764	84,500	84,567	82,714	82,066	80,696	87,708	84,032
	Unknown	879	798	804	750	776	719	714	676	791	858
	Total	310,657	286,222	272,229	271,156	273,098	271,553	278,325	274,690	290,526	289,890
Florida	Weekday	50,315	45,146	42,969	41,196	42,791	52,309	57,920	58,092	61,285	62,693
	Weekend	31,122	26,720	24,881	25,064	25,013	29,157	30,450	30,859	31,341	33,921
	Unknown	1,577	1,029	770	696	742	698	892	841	894	998
	Total	83,014	72,895	68,620	66,956	68,546	82,164	89,262	89,792	93,520	97,612
Georgia	Weekday	117,911	113,510	120,416	126,266	137,444	143,138	152,251	157,465	146,702	*
	Weekend	45,305	42,837	44,158	45,382	48,824	53,609	56,196	56,076	50,746	*
	Total	163,216	156,347	164,574	171,648	186,268	196,747	208,447	213,541	197,448	*
Illinois	Weekday	232,953	223,246	209,811	213,047	244,138	248,629	89,623	202,098	162,949	171,874
	Weekend	108,770	101,368	94,402	99,866	104,753	109,647	33,666	88,670	61,573	67,725
	Unknown	3,111	2,985	2,243	2,507	2,938	2,401	226	729	548	591
	Total	344,834	327,599	306,456	315,420	351,829	360,677	123,515	291,497	225,070	240,190
Indiana	Weekday	96,495	90,470	117,524	120,582	128,554	132,320	137,203	134,761	136,067	138,704
	Weekend	43,356	40,892	48,352	53,444	53,170	56,336	54,506	56,632	52,665	55,576
	Unknown	767	642	1,814	2,221	2,330	2,325	2,207	2,290	2,289	2,488
	Total	140,618	132,004	167,690	176,247	184,054	190,981	193,916	193,683	191,021	196,768
Kansas	Weekday	23,519	24,038	25,708	28,870	26,561	28,570	30,846	32,760	33,722	33,725
	Weekend	13,374	13,002	13,199	14,488	14,573	14,713	15,656	16,220	18,189	16,936
	Unknown	5,452	5,491	5,040	5,968	5,227	6,271	6,375	6,475	6,178	6,968
	Total	42,345	42,531	43,947	49,326	46,361	49,554	52,877	55,455	58,089	57,629
Maryland	Weekday	37,066	34,092	34,169	32,747	37,179	26,779	38,539	37,126	38,065	39,882
	Weekend	19,322	17,204	16,889	14,622	16,513	13,398	17,660	18,311	17,044	18,781
	Unknown	1,496	714	650	0	0	13,708	0	0	0	0
	Total	57,884	52,010	51,708	47,369	53,692	53,885	56,199	55,437	55,109	58,663
Michigan	Weekday	194,469	184,162	177,685	186,346	208,670	216,577	233,812	227,982	219,483	230,049
	Weekend	93,340	87,613	78,681	83,034	89,235	101,374	99,943	99,811	91,081	95,546
	Unknown	514	300	5,840	1,146	1,239	1,509	1,542	1,189	827	1,002
	Total	288,323	272,075	262,206	270,526	299,144	319,460	335,297	328,982	311,391	326,597
Missouri	Weekday	85,634	81,434	82,390	90,386	90,194	94,304	97,415	100,124	102,025	101,656
	Weekend	37,398	34,354	33,327	36,153	36,999	37,639	38,750	37,793	39,634	39,570
	Unknown	882	1,448	1,450	1,395	1,218	1,036	1,260	1,122	1,091	1,055
	Total	123,914	117,236	117,167	127,934	128,411	132,979	137,425	139,039	142,750	142,281

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 2: Motor Vehicle Crashes by Weekday vs. Weekend and Crash Severity

STATE	PERIOD	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
PROPERTY DAMAGE ONLY CRASHES (Continued)											
New Mexico	Weekday	22,856	21,399	22,328	21,492	21,932	23,013	22,921	23,411	21,435	18,706
	Weekend	10,256	9,208	9,999	8,896	8,966	9,072	9,104	9,122	8,566	7,525
	Unknown	260	243	281	125	39	40	28	46	47	11
	Total	33,372	30,850	32,608	30,513	30,937	32,125	32,053	32,579	30,048	26,242
North Carolina	Weekday	*	*	81,045	87,752	98,277	106,913	94,177	97,117	99,509	103,186
	Weekend	*	*	32,103	35,458	36,739	42,462	37,761	37,052	37,198	39,706
	Unknown	*	*	357	275	306	320	257	232	230	231
	Total	*	*	113,505	123,485	135,322	149,695	132,195	134,401	136,937	143,123
Ohio	Weekday	167,458	158,963	164,580	165,497	174,916	179,246	186,774	180,439	182,512	186,848
	Weekend	77,776	71,780	70,417	72,990	70,484	74,327	75,823	76,403	69,956	75,930
	Unknown	977	844	649	661	661	633	475	446	377	564
	Total	246,211	231,587	235,646	239,148	246,061	254,206	263,072	257,288	252,845	263,342
Pennsylvania	Weekday	29,760	28,516	29,919	30,445	31,860	31,706	34,331	35,116	34,924	35,953
	Weekend	17,330	15,295	16,271	16,680	15,466	16,726	17,397	17,108	16,423	18,087
	Unknown	120	104	86	99	79	89	85	98	75	64
	Total	47,210	43,915	46,276	47,224	47,405	48,521	51,813	52,322	51,422	54,104
Texas	Weekday	147,046	140,527	142,816	144,675	151,144	104,497	59,330	63,983	67,416	69,179
	Weekend	69,090	66,755	66,336	64,858	68,746	47,693	30,931	32,983	35,316	36,196
	Total	216,136	207,282	209,152	209,533	219,890	152,190	90,261	96,966	102,732	105,375
Utah	Weekday	21,629	19,451	20,333	22,838	24,307	22,691	25,170	24,858	25,083	24,553
	Weekend	8,194	7,546	8,204	8,944	9,032	8,703	9,225	9,266	9,244	8,414
	Unknown	160	57	61	21	14	7	1	2	0	1
	Total	29,983	27,054	28,598	31,803	33,353	31,401	34,396	34,126	34,327	32,968
Virginia	Weekday	55,874	50,898	49,502	47,132	50,462	49,958	53,741	52,978	58,005	59,622
	Weekend	25,796	22,939	21,334	20,416	20,544	21,195	21,236	21,298	22,380	23,898
	Unknown	134	152	133	100	130	112	127	105	86	167
	Total	81,804	73,989	70,969	67,648	71,136	71,265	75,104	74,381	80,471	83,687
Washington	Weekday	54,772	50,684	51,852	50,532	52,919	54,583	58,978	*	*	*
	Weekend	24,833	21,339	21,924	21,348	21,605	23,427	24,178	*	*	*
	Unknown	12	12	10	1	19	22	15	*	*	*
	Total	79,617	72,035	73,786	71,881	74,543	78,032	83,171	*	*	*

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 3: Motor Vehicle Crashes by Time of Day and Crash Severity

STATE	PERIOD	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						FATAL CRASHES					
California	Day	2,021	1,802	1,638	1,671	1,792	1,686	1,678	1,571	1,496	1,497
	Night	2,592	2,301	2,023	1,964	1,918	1,898	1,847	1,636	1,542	1,599
	Unknown	45	61	46	43	62	52	30	45	37	48
	Total	4,658	4,164	3,707	3,678	3,772	3,636	3,555	3,252	3,075	3,144
Florida	Day	1,074	954	985	1,065	1,118	1,139	1,187	1,184	1,229	1,223
	Night	1,534	1,296	1,223	1,369	1,316	1,429	1,349	1,337	1,354	1,386
	Unknown	35	21	10	20	16	18	14	21	22	16
	Total	2,643	2,271	2,218	2,454	2,450	2,586	2,550	2,542	2,605	2,625
Georgia	Day	685	567	618	638	687	710	728	738	765	*
	Night	725	663	568	608	599	627	678	671	618	*
	Total	1,410	1,230	1,186	1,246	1,286	1,337	1,406	1,409	1,383	*
Illinois	Day	630	559	567	573	636	650	325	584	575	625
	Night	787	729	681	669	754	751	376	677	665	670
	Unknown	14	0	2	8	5	1	0	0	2	0
	Total	1,431	1,288	1,250	1,250	1,395	1,402	701	1,261	1,242	1,295
Indiana	Day	437	412	379	422	457	445	470	447	438	485
	Night	478	481	410	350	410	402	398	393	426	402
	Unknown	9	11	11	10	9	12	6	9	20	7
	Total	924	904	800	782	876	859	874	849	884	894
Kansas	Day	185	165	162	202	195	188	226	259	235	242
	Night	206	185	163	162	179	205	208	156	202	212
	Unknown	0	0	12	11	7	1	8	4	4	3
	Total	391	350	337	375	381	394	442	419	441	457
Maryland	Day	285	293	250	291	296	299	291	288	287	264
	Night	394	351	341	314	309	314	272	281	264	291
	Unknown	2	1	2	0	0	0	0	0	0	0
	Total	681	645	593	605	605	613	563	569	551	555
Michigan	Day	602	558	525	596	610	714	630	636	596	601
	Night	796	729	633	649	635	654	681	627	629	636
	Unknown	3	3	10	15	7	13	19	12	10	11
	Total	1,401	1,290	1,168	1,260	1,252	1,381	1,330	1,275	1,235	1,248
Missouri	Day	432	397	425	391	451	463	490	532	534	502
	Night	503	493	439	448	485	511	502	490	472	449
	Unknown	8	16	10	9	11	11	14	7	11	13
	Total	943	906	874	848	947	985	1,006	1,029	1,017	964

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 3: Motor Vehicle Crashes by Time of Day and Crash Severity

STATE	PERIOD	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
					FATAL CRASHES (Continued)						
New Mexico	Day	184	171	163	154	155	197	193	187	180	188
	Night	251	245	231	228	231	224	217	206	190	199
	Unknown	5	6	4	4	2	4	2	7	4	0
	Total	440	422	398	386	388	425	412	400	374	387
North Carolina	Day	*	*	536	632	661	668	674	684	750	728
	Night	*	*	591	602	593	645	648	608	681	632
	Unknown	*	*	4	5	8	5	6	6	7	2
	Total	*	*	1,131	1,239	1,262	1,318	1,328	1,298	1,438	1,362
Ohio	Day	662	646	642	674	639	635	639	647	642	656
	Night	816	805	656	653	569	581	608	621	647	627
	Unknown	0	0	5	0	2	0	1	0	1	1
	Total	1,478	1,451	1,303	1,327	1,210	1,216	1,248	1,268	1,290	1,284
Pennsylvania	Day	682	659	646	666	653	661	681	704	671	679
	Night	832	850	739	737	665	676	672	713	685	702
	Unknown	0	1	0	0	1	0	1	1	2	1
	Total	1,514	1,510	1,385	1,403	1,319	1,337	1,354	1,418	1,358	1,382
Texas	Day	1,080	1,040	1,008	1,062	1,154	1,195	1,399	1,386	1,437	1,429
	Night	1,802	1,656	1,682	1,628	1,556	1,595	1,848	1,685	1,723	1,677
	Total	2,882	2,696	2,690	2,690	2,710	2,790	3,247	3,071	3,160	3,106
Utah	Day	128	112	121	145	159	158	167	172	183	180
	Night	108	116	112	113	143	127	125	139	125	137
	Unknown	0	1	2	1	0	0	0	0	0	1
	Total	236	229	235	259	302	285	292	311	308	318
Virginia	Day	419	395	360	393	413	406	393	446	436	390
	Night	526	441	398	397	408	414	408	447	394	401
	Unknown	2	0	4	0	2	6	2	4	3	3
	Total	947	836	762	790	823	826	803	897	833	794
Washington	Day	312	274	263	254	276	259	284	*	*	*
	Night	414	329	330	325	298	318	359	*	*	*
	Total	726	603	593	579	574	577	643	*	*	*

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 3: Motor Vehicle Crashes by Time of Day and Crash Severity

STATE	PERIOD	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURY CRASHES					
California	Day	154,303	147,672	144,552	136,808	139,389	135,620	134,202	130,287	133,346	133,443
	Night	81,734	75,948	70,058	65,491	63,518	60,659	59,442	55,526	55,529	55,156
	Unknown	479	384	462	357	316	290	161	139	132	131
	Total	236,516	224,004	215,072	202,656	203,223	196,569	193,805	185,952	189,007	188,730
Florida	Day	82,755	77,991	82,874	85,555	89,676	96,571	101,260	100,819	102,606	97,053
	Night	47,507	41,889	42,204	43,504	44,768	46,621	47,611	46,872	46,129	45,507
	Unknown	322	264	258	570	743	647	694	614	580	612
	Total	130,584	120,144	125,336	129,629	135,187	143,839	149,565	148,305	149,315	143,172
Georgia	Day	41,514	40,705	44,151	46,990	56,396	58,551	60,357	60,041	57,161	*
	Night	21,887	20,386	21,080	22,112	25,986	26,976	27,954	26,779	24,589	*
	Total	63,401	61,091	65,231	69,102	82,382	85,527	88,311	86,820	81,750	*
Illinois	Day	67,298	63,392	67,045	65,982	64,848	65,336	28,629	57,860	49,202	48,307
	Night	38,041	35,223	35,780	35,887	33,928	32,915	13,233	27,551	21,378	21,517
	Unknown	404	427	451	624	1,082	876	160	330	331	234
	Total	105,743	99,042	103,276	102,493	99,858	99,127	42,022	85,741	70,911	70,058
Indiana	Day	31,418	29,031	32,821	34,597	36,315	37,357	36,420	36,684	36,539	34,977
	Night	17,077	16,236	16,730	17,208	17,168	17,463	16,696	16,694	16,366	15,884
	Unknown	406	379	707	752	814	871	838	885	900	989
	Total	48,901	45,646	50,258	52,557	54,297	55,691	53,954	54,263	53,805	51,850
Kansas	Day	12,715	12,233	12,969	13,243	13,381	13,911	13,928	14,072	14,007	13,786
	Night	7,353	6,802	6,588	6,579	6,615	6,355	6,550	6,635	6,548	6,333
	Unknown	0	1	117	117	97	49	75	61	27	35
	Total	20,068	19,036	19,674	19,939	20,093	20,315	20,553	20,768	20,582	20,154
Maryland	Day	30,789	28,435	29,959	23,811	27,935	27,360	28,156	26,681	25,263	25,533
	Night	17,946	16,228	17,090	13,474	14,633	14,690	14,476	13,365	12,901	12,624
	Unknown	158	139	131	0	0	0	0	0	0	0
	Total	48,893	44,802	47,180	37,285	42,568	42,050	42,632	40,046	38,164	38,157
Michigan	Day	60,764	57,629	51,005	59,286	64,015	65,794	65,641	64,042	60,982	59,334
	Night	36,725	33,781	28,307	31,260	32,719	33,172	31,732	30,450	29,609	27,920
	Unknown	135	68	1,219	789	838	1,092	1,110	710	528	539
	Total	97,624	91,478	80,531	91,335	97,572	100,058	98,483	95,202	91,119	87,793
Missouri	Day	29,635	27,613	29,329	31,950	33,739	34,652	35,619	35,091	35,261	34,880
	Night	16,869	16,088	15,819	16,868	17,087	17,012	16,831	16,475	15,698	15,515
	Unknown	196	216	247	228	218	292	282	244	253	221
	Total	46,700	43,917	45,395	49,046	51,044	51,956	52,732	51,810	51,212	50,616

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 3: Motor Vehicle Crashes by Time of Day and Crash Severity

STATE	PERIOD	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
					INJURY CRASHES (Continued)						
New Mexico	Day	10,234	10,222	11,463	12,266	13,177	13,735	13,841	13,358	12,691	11,011
	Night	5,439	5,385	5,502	5,397	5,738	5,961	5,828	5,437	5,082	4,323
	Unknown	291	324	252	162	34	31	32	65	37	14
	Total	15,964	15,931	17,217	17,825	18,949	19,727	19,701	18,860	17,810	15,348
North Carolina	Day	*	*	52,683	55,948	61,014	64,913	66,283	67,840	66,938	68,183
	Night	*	*	24,163	25,142	25,959	27,069	27,734	27,775	27,344	27,237
	Unknown	*	*	426	278	329	348	277	316	255	339
	Total	*	*	77,272	81,368	87,302	92,330	94,294	95,931	94,537	95,759
Ohio	Day	78,597	73,177	76,555	79,742	82,999	85,935	87,997	86,561	83,874	81,986
	Night	46,470	42,604	42,435	41,330	39,567	41,484	42,353	41,293	39,454	38,532
	Unknown	766	558	518	515	535	541	443	442	456	558
	Total	125,833	116,339	119,508	121,587	123,101	127,960	130,793	128,296	123,784	121,076
Pennsylvania	Day	55,490	51,670	53,532	54,547	54,859	56,252	58,091	58,345	57,101	57,550
	Night	36,501	32,755	32,367	30,724	30,111	30,276	31,156	31,745	30,947	30,712
	Unknown	631	555	547	552	488	449	481	503	413	421
	Total	92,622	84,980	86,446	85,823	85,458	86,977	89,728	90,593	88,461	88,683
Texas	Day	100,148	99,784	108,162	113,917	123,499	127,280	134,274	135,178	134,904	136,840
	Night	62,268	61,686	62,351	64,277	68,515	68,813	70,360	69,548	67,319	66,380
	Total	162,416	161,470	170,513	178,194	192,014	196,093	204,634	204,726	202,223	203,220
Utah	Day	9,535	9,091	10,495	11,405	12,560	13,235	13,946	14,306	13,470	13,495
	Night	4,725	4,382	4,893	5,161	5,612	5,853	6,219	6,198	5,954	6,013
	Unknown	60	44	41	21	20	5	0	1	0	1
	Total	14,320	13,517	15,429	16,587	18,192	19,093	20,165	20,505	19,424	19,509
Virginia	Day	32,267	30,055	32,784	34,135	36,447	36,969	37,507	37,291	37,746	37,614
	Night	19,326	17,452	17,696	17,532	18,037	17,888	17,545	17,288	17,012	17,267
	Unknown	160	184	200	160	193	178	126	118	76	211
	Total	51,753	47,691	50,680	51,827	54,677	55,035	55,178	54,697	54,834	55,092
Washington	Day	33,741	32,654	34,563	35,345	38,101	39,629	39,621	*	*	*
	Night	17,942	16,369	16,610	16,148	16,655	16,917	16,752	*	*	*
	Unknown	30	25	13	4	26	43	28	*	*	*
	Total	51,713	49,048	51,186	51,497	54,782	56,589	56,401	*	*	*

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 3: Motor Vehicle Crashes by Time of Day and Crash Severity

STATE	PERIOD	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
PROPERTY DAMAGE ONLY CRASHES											
California	Day	204,642	188,674	181,259	180,124	183,643	182,988	188,983	188,763	199,352	199,830
	Night	102,983	94,644	88,203	88,573	86,818	86,111	86,852	83,462	88,400	87,149
	Unknown	3,032	2,904	2,767	2,459	2,637	2,454	2,490	2,465	2,774	2,911
	Total	310,657	286,222	272,229	271,156	273,098	271,553	278,325	274,690	290,526	289,890
Florida	Day	41,890	37,925	36,494	35,185	36,121	45,940	50,825	51,534	54,331	55,414
	Night	35,910	31,501	29,634	29,477	29,990	33,879	35,584	35,557	36,039	38,664
	Unknown	5,214	3,469	2,492	2,294	2,435	2,345	2,853	2,701	3,150	3,534
	Total	83,014	72,895	68,620	66,956	68,546	82,164	89,262	89,792	93,520	97,612
Georgia	Day	116,905	112,086	118,941	124,482	134,147	141,120	149,340	153,325	142,278	*
	Night	46,311	44,261	45,633	47,166	52,121	55,627	59,107	60,216	55,170	*
	Total	163,216	156,347	164,574	171,648	186,268	196,747	208,447	213,541	197,448	*
Illinois	Day	224,312	212,578	201,248	204,951	232,492	239,500	84,583	197,867	155,686	164,640
	Night	109,940	105,059	97,164	102,080	109,460	112,899	38,140	91,016	67,547	73,569
	Unknown	10,582	9,962	8,044	8,389	9,877	8,278	792	2,614	1,837	1,981
	Total	344,834	327,599	306,456	315,420	351,829	360,677	123,515	291,497	225,070	240,190
Indiana	Day	91,308	86,284	109,261	114,720	120,857	126,279	128,151	128,699	126,843	130,404
	Night	46,654	43,431	52,143	54,580	55,934	57,381	58,595	57,626	57,022	58,501
	Unknown	2,656	2,289	6,286	6,947	7,263	7,321	7,170	7,358	7,156	7,863
	Total	140,618	132,004	167,690	176,247	184,054	190,981	193,916	193,683	191,021	196,768
Kansas	Day	27,632	27,707	29,085	32,390	30,161	32,977	34,718	36,114	37,923	37,425
	Night	14,713	14,824	14,310	16,384	15,810	16,315	17,898	19,052	19,979	20,023
	Unknown	0	0	552	552	390	262	261	289	187	181
	Total	42,345	42,531	43,947	49,326	46,361	49,554	52,877	55,455	58,089	57,629
Maryland	Day	33,543	31,069	30,908	29,420	34,108	33,807	35,655	35,257	34,977	37,068
	Night	21,390	19,374	19,444	17,949	19,584	20,078	20,544	20,180	20,132	21,595
	Unknown	2,951	1,567	1,356	0	0	0	0	0	0	0
	Total	57,884	52,010	51,708	47,369	53,692	53,885	56,199	55,437	55,109	58,663
Michigan	Day	178,397	168,377	162,790	169,257	188,695	198,062	209,058	207,595	195,513	206,786
	Night	108,080	102,643	94,812	97,422	106,191	116,473	120,967	117,456	112,951	116,520
	Unknown	1,846	1,055	4,604	3,847	4,258	4,925	5,272	3,931	2,927	3,291
	Total	288,323	272,075	262,206	270,526	299,144	319,460	335,297	328,982	311,391	326,597
Missouri	Day	83,593	77,935	79,396	86,731	87,799	92,141	95,276	96,947	99,859	100,160
	Night	37,982	36,089	34,666	38,015	37,771	38,263	39,346	39,304	40,184	39,520
	Unknown	2,339	3,212	3,105	3,188	2,841	2,575	2,803	2,788	2,707	2,601
	Total	123,914	117,236	117,167	127,934	128,411	132,979	137,425	139,039	142,750	142,281

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 3: Motor Vehicle Crashes by Time of Day and Crash Severity

STATE	PERIOD	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
PROPERTY DAMAGE ONLY CRASHES (Continued)											
New Mexico	Day	22,209	20,750	21,778	20,869	21,669	22,684	22,543	23,460	21,499	19,004
	Night	10,300	9,351	9,987	9,190	9,144	9,336	9,412	8,968	8,420	7,197
	Unknown	863	749	843	454	124	105	98	151	129	41
	Total	33,372	30,850	32,608	30,513	30,937	32,125	32,053	32,579	30,048	26,242
North Carolina	Day	*	*	78,664	85,845	95,139	104,728	91,119	93,499	94,791	100,095
	Night	*	*	33,724	36,714	39,113	43,880	40,298	40,112	41,444	42,290
	Unknown	*	*	1,117	926	1,070	1,087	778	790	702	738
	Total	*	*	113,505	123,485	135,322	149,695	132,195	134,401	136,937	143,123
Ohio	Day	158,578	149,527	153,010	156,965	164,278	170,174	175,145	172,827	169,801	176,577
	Night	84,140	79,479	80,420	79,880	79,658	81,885	86,269	82,911	81,593	84,987
	Unknown	3,493	2,581	2,216	2,303	2,125	2,147	1,658	1,550	1,451	1,778
	Total	246,211	231,587	235,646	239,148	246,061	254,206	263,072	257,288	252,845	263,342
Pennsylvania	Day	27,092	25,410	26,941	28,716	28,850	29,452	31,594	31,976	31,683	33,354
	Night	19,721	18,178	19,022	18,176	18,250	18,745	19,905	20,004	19,463	20,519
	Unknown	397	327	313	332	305	324	314	342	276	231
	Total	47,210	43,915	46,276	47,224	47,405	48,521	51,813	52,322	51,422	54,104
Texas	Day	142,277	135,482	137,914	139,021	144,971	98,869	54,360	58,767	62,509	64,743
	Night	73,859	71,800	71,238	70,512	74,919	53,321	35,901	38,199	40,223	40,632
	Total	216,136	207,282	209,152	209,533	219,890	152,190	90,261	96,966	102,732	105,375
Utah	Day	20,329	18,426	19,442	22,261	23,117	21,767	23,962	23,948	23,939	23,043
	Night	9,472	8,483	9,063	9,498	10,199	9,621	10,434	10,177	10,385	9,923
	Unknown	182	145	93	44	37	13	0	1	3	2
	Total	29,983	27,054	28,598	31,803	33,353	31,401	34,396	34,126	34,327	32,968
Virginia	Day	54,204	49,785	48,612	47,038	50,132	49,998	53,157	52,775	56,151	58,101
	Night	27,135	23,702	21,885	20,269	20,539	20,895	21,555	21,292	24,009	25,006
	Unknown	465	502	472	341	465	372	392	314	311	580
	Total	81,804	73,989	70,969	67,648	71,136	71,265	75,104	74,381	80,471	83,687
Washington	Day	53,352	49,322	50,578	49,843	51,521	54,614	58,639	*	*	*
	Night	26,222	22,655	23,178	22,032	22,962	23,337	24,478	*	*	*
	Unknown	43	58	30	6	60	81	54	*	*	*
	Total	79,617	72,035	73,786	71,881	74,543	78,032	83,171	*	*	*

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 4: Motor Vehicle Crashes by Crash Type and Crash Severity

STATE	VEHICLE CRASH TYPE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						FATAL CRASHES					
California	Single	1,669	1,491	1,282	1,242	1,269	1,231	1,233	1,102	1,066	1,165
	Multiple	2,989	2,673	2,425	2,436	2,503	2,405	2,322	2,150	2,009	1,979
	Total	4,658	4,164	3,707	3,678	3,772	3,636	3,555	3,252	3,075	3,144
Florida	Single	1,221	1,042	1,006	1,091	1,072	1,144	1,157	1,139	1,117	1,151
	Multiple	1,422	1,229	1,212	1,363	1,378	1,442	1,393	1,403	1,488	1,474
	Total	2,643	2,271	2,218	2,454	2,450	2,586	2,550	2,542	2,605	2,625
Georgia	Single	716	631	595	640	464	512	577	530	693	*
	Multiple	694	599	591	606	821	825	829	879	690	*
	Unknown	0	0	0	0	1	0	0	0	0	*
	Total	1,410	1,230	1,186	1,246	1,286	1,337	1,406	1,409	1,383	*
Illinois	Single	776	715	696	694	757	746	301	665	643	676
	Multiple	655	573	554	556	638	656	400	596	599	619
	Total	1,431	1,288	1,250	1,250	1,395	1,402	701	1,261	1,242	1,295
Indiana	Single	457	495	404	363	447	409	410	419	448	436
	Multiple	467	409	396	419	429	450	464	430	436	458
	Total	924	904	800	782	876	859	874	849	884	894
Kansas	Single	200	193	162	181	207	220	225	200	230	231
	Multiple	191	157	175	194	174	174	217	219	211	226
	Total	391	350	337	375	381	394	442	419	441	457
Maryland	Single	382	354	311	327	304	310	275	294	281	288
	Multiple	299	291	282	278	301	303	288	275	270	267
	Total	681	645	593	605	605	613	563	569	551	555
Michigan	Single	715	683	339	401	364	430	409	385	402	412
	Multiple	686	607	829	859	888	951	921	890	833	836
	Total	1,401	1,290	1,168	1,260	1,252	1,381	1,330	1,275	1,235	1,248
Missouri	Single	504	492	458	428	492	566	531	506	511	498
	Multiple	439	414	416	420	455	419	475	523	506	466
	Total	943	906	874	848	947	985	1,006	1,029	1,017	964

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 4: Motor Vehicle Crashes by Crash Type and Crash Severity

STATE	VEHICLE CRASH TYPE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
					FATAL CRASHES (Continued)						
New Mexico	Single	296	290	261	268	250	287	237	249	244	228
	Multiple	144	132	137	118	138	138	175	151	130	159
	Total	440	422	398	386	388	425	412	400	374	387
North Carolina	Single	*	*	451	475	483	513	489	494	545	527
	Multiple	*	*	680	764	779	805	839	804	893	835
	Total	*	*	1,131	1,239	1,262	1,318	1,328	1,298	1,438	1,362
Ohio	Single	546	602	514	519	420	455	459	463	524	505
	Multiple	932	849	789	808	790	761	789	805	766	779
	Total	1,478	1,451	1,303	1,327	1,210	1,216	1,248	1,268	1,290	1,284
Pennsylvania	Single	868	877	800	733	671	723	732	723	735	739
	Multiple	646	633	585	670	648	614	622	695	623	643
	Total	1,514	1,510	1,385	1,403	1,319	1,337	1,354	1,418	1,358	1,382
Texas	Single	1,705	1,553	1,550	1,498	1,509	1,527	1,795	1,612	1,753	1,669
	Multiple	1,177	1,143	1,140	1,192	1,201	1,263	1,452	1,459	1,407	1,437
	Total	2,882	2,696	2,690	2,690	2,710	2,790	3,247	3,071	3,160	3,106
Utah	Single	144	147	142	153	194	160	179	164	175	202
	Multiple	92	82	93	106	108	125	113	147	133	116
	Total	236	229	235	259	302	285	292	311	308	318
Virginia	Single	550	491	454	458	488	491	451	502	462	480
	Multiple	397	345	308	332	335	335	352	395	371	314
	Total	947	836	762	790	823	826	803	897	833	794
Washington	Single	432	359	344	351	327	343	365	*	*	*
	Multiple	294	244	249	228	247	234	278	*	*	*
	Total	726	603	593	579	574	577	643	*	*	*

**Data not available.*

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 4: Motor Vehicle Crashes by Crash Type and Crash Severity

STATE	VEHICLE CRASH TYPE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURY CRASHES					
California	Single	40,491	38,028	35,224	32,404	32,381	31,692	31,385	30,106	30,229	29,558
	Multiple	196,025	185,976	179,848	170,252	170,842	164,877	162,420	155,846	158,778	159,172
	Total	236,516	224,004	215,072	202,656	203,223	196,569	193,805	185,952	189,007	188,730
Florida	Single	26,676	24,311	24,223	24,386	24,804	25,347	26,091	25,733	26,067	25,735
	Multiple	103,908	95,833	101,113	105,243	110,383	118,492	123,474	122,572	123,248	117,437
	Total	130,584	120,144	125,336	129,629	135,187	143,839	149,565	148,305	149,315	143,172
Georgia	Single	16,136	15,084	15,531	15,846	15,406	16,107	17,127	16,521	17,255	*
	Multiple	47,265	46,007	49,700	53,256	66,971	69,418	71,179	70,297	64,489	*
	Unknown	0	0	0	0	5	2	5	2	6	*
	Total	63,401	61,091	65,231	69,102	82,382	85,527	88,311	86,820	81,750	*
Illinois	Single	32,869	31,868	30,792	29,004	26,339	25,567	8,590	21,605	17,156	17,425
	Multiple	72,874	67,174	72,484	73,489	73,519	73,560	33,432	64,136	53,755	52,633
	Total	105,743	99,042	103,276	102,493	99,858	99,127	42,022	85,741	70,911	70,058
Indiana	Single	17,011	16,133	16,284	16,875	17,367	17,497	16,859	16,689	15,976	15,696
	Multiple	31,890	29,513	33,974	35,682	36,930	38,194	37,095	37,574	37,829	36,154
	Total	48,901	45,646	50,258	52,557	54,297	55,691	53,954	54,263	53,805	51,850
Kansas	Single	7,694	7,149	6,911	6,964	7,200	7,098	7,484	7,416	7,279	7,008
	Multiple	12,374	11,887	12,763	12,975	12,893	13,217	13,069	13,352	13,303	13,146
	Total	20,068	19,036	19,674	19,939	20,093	20,315	20,553	20,768	20,582	20,154
Maryland	Single	13,556	12,865	12,745	10,233	11,972	11,600	11,853	11,327	10,868	10,742
	Multiple	35,337	31,937	34,435	27,052	30,596	30,450	30,779	28,719	27,296	27,415
	Total	48,893	44,802	47,180	37,285	42,568	42,050	42,632	40,046	38,164	38,157
Michigan	Single	31,260	29,686	17,461	19,273	20,342	21,519	21,773	20,368	19,255	19,396
	Multiple	66,364	61,792	63,070	72,062	77,230	78,539	76,710	74,834	71,864	68,397
	Total	97,624	91,478	80,531	91,335	97,572	100,058	98,483	95,202	91,119	87,793
Missouri	Single	14,154	13,724	13,544	13,698	14,616	14,800	15,275	14,947	14,863	14,795
	Multiple	32,546	30,193	31,851	35,348	36,428	37,156	37,457	36,863	36,349	35,821
	Total	46,700	43,917	45,395	49,046	51,044	51,956	52,732	51,810	51,212	50,616

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 4: Motor Vehicle Crashes by Crash Type and Crash Severity

STATE	VEHICLE CRASH TYPE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
					INJURY CRASHES (Continued)						
New Mexico	Single	5,016	4,986	4,949	4,535	4,466	4,587	4,567	4,561	3,668	2,984
	Multiple	10,948	10,945	12,268	13,290	14,483	15,140	15,134	14,299	14,142	12,364
	Total	15,964	15,931	17,217	17,825	18,949	19,727	19,701	18,860	17,810	15,348
North Carolina	Single	*	*	19,051	19,555	20,133	20,723	21,617	21,500	21,172	21,551
	Multiple	*	*	58,221	61,813	67,169	71,607	72,677	74,431	73,365	74,208
	Total	*	*	77,272	81,368	87,302	92,330	94,294	95,931	94,537	95,759
Ohio	Single	28,696	27,276	26,653	26,520	26,151	27,428	27,754	27,517	26,387	26,713
	Multiple	97,137	89,063	92,855	95,067	96,950	100,532	103,039	100,779	97,397	94,363
	Total	125,833	116,339	119,508	121,587	123,101	127,960	130,793	128,296	123,784	121,076
Pennsylvania	Single	35,000	32,085	31,957	30,908	29,733	30,571	31,258	32,357	30,470	31,294
	Multiple	57,622	52,895	54,489	54,915	55,725	56,406	58,470	58,236	57,991	57,389
	Total	92,622	84,980	86,446	85,823	85,458	86,977	89,728	90,593	88,461	88,683
Texas	Single	40,971	38,976	38,697	38,984	40,710	41,482	45,018	44,490	43,915	43,402
	Multiple	121,445	122,494	131,816	139,210	151,304	154,611	159,616	160,236	158,308	159,818
	Total	162,416	161,470	170,513	178,194	192,014	196,093	204,634	204,726	202,223	203,220
Utah	Single	4,648	4,255	4,758	4,675	4,930	5,245	5,640	5,598	5,198	5,239
	Multiple	9,672	9,262	10,671	11,912	13,262	13,848	14,525	14,907	14,226	14,270
	Total	14,320	13,517	15,429	16,587	18,192	19,093	20,165	20,505	19,424	19,509
Virginia	Single	16,978	15,501	15,763	15,999	16,330	15,936	16,273	15,807	16,261	15,993
	Multiple	34,775	32,190	34,917	35,828	38,347	39,099	38,905	38,890	38,573	39,099
	Total	51,753	47,691	50,680	51,827	54,677	55,035	55,178	54,697	54,834	55,092
Washington	Single	14,559	13,936	13,724	13,398	13,876	14,190	13,884	*	*	*
	Multiple	37,154	35,112	37,462	38,099	40,906	42,399	42,517	*	*	*
	Total	51,713	49,048	51,186	51,497	54,782	56,589	56,401	*	*	*

**Data not available.*

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 4: Motor Vehicle Crashes by Crash Type and Crash Severity

STATE	VEHICLE CRASH TYPE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
PROPERTY DAMAGE ONLY CRASHES											
California	Single	55,993	53,018	51,161	52,685	54,109	55,123	56,269	54,389	58,241	54,026
	Multiple	254,664	233,204	221,068	218,471	218,989	216,430	222,056	220,301	232,285	235,864
	Total	310,657	286,222	272,229	271,156	273,098	271,553	278,325	274,690	290,526	289,890
Florida	Single	15,602	13,900	12,775	12,383	12,479	14,325	15,681	15,915	16,079	16,689
	Multiple	67,412	58,995	55,845	54,573	56,067	67,839	73,581	73,877	77,441	80,923
	Total	83,014	72,895	68,620	66,956	68,546	82,164	89,262	89,792	93,520	97,612
Georgia	Single	24,979	25,882	26,332	27,363	29,717	30,980	34,329	35,540	32,492	*
	Multiple	138,237	130,465	138,242	144,284	156,551	165,767	174,116	177,997	164,956	*
	Unknown	0	0	0	1	0	0	2	4	0	*
	Total	163,216	156,347	164,574	171,648	186,268	196,747	208,447	213,541	197,448	*
Illinois	Single	53,390	54,223	50,239	50,856	52,257	57,850	25,278	49,031	43,957	47,789
	Multiple	291,444	273,376	256,217	264,564	299,572	302,827	98,237	242,466	181,113	192,401
	Total	344,834	327,599	306,456	315,420	351,829	360,677	123,515	291,497	225,070	240,190
Indiana	Single	36,691	35,341	41,933	45,544	47,033	49,103	50,226	48,436	45,997	47,806
	Multiple	103,927	96,663	125,757	130,703	137,021	141,878	143,690	145,247	145,024	148,962
	Total	140,618	132,004	167,690	176,247	184,054	190,981	193,916	193,683	191,021	196,768
Kansas	Single	16,392	17,306	17,382	20,344	19,649	20,506	22,897	24,654	25,790	25,452
	Multiple	25,953	25,225	26,565	28,982	26,712	29,048	29,980	30,801	32,299	32,177
	Total	42,345	42,531	43,947	49,326	46,361	49,554	52,877	55,455	58,089	57,629
Maryland	Single	13,465	12,609	13,051	11,727	12,872	13,155	13,672	14,062	13,982	14,542
	Multiple	44,419	39,401	38,657	35,642	40,169	40,730	42,527	41,375	41,127	44,121
	Unknown	0	0	0	0	651	0	0	0	0	0
	Total	57,884	52,010	51,708	47,369	53,692	53,885	56,199	55,437	55,109	58,663
Michigan	Single	115,315	113,026	79,905	84,745	95,674	107,680	116,694	111,256	104,850	109,638
	Multiple	173,008	159,049	182,301	185,781	203,470	211,780	218,603	217,726	206,541	216,959
	Total	288,323	272,075	262,206	270,526	299,144	319,460	335,297	328,982	311,391	326,597
Missouri	Single	24,745	23,331	23,506	25,591	26,022	26,805	28,903	28,647	29,701	28,998
	Multiple	99,169	93,905	93,661	102,343	102,389	106,174	108,522	110,392	113,049	113,283
	Total	123,914	117,236	117,167	127,934	128,411	132,979	137,425	139,039	142,750	142,281

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 4: Motor Vehicle Crashes by Crash Type and Crash Severity

STATE	VEHICLE CRASH TYPE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
PROPERTY DAMAGE ONLY CRASHES											
New Mexico	Single	7,801	7,369	7,751	6,916	6,875	7,099	7,086	7,415	6,417	5,290
	Multiple	25,571	23,481	24,857	23,597	24,062	25,026	24,967	25,164	23,631	20,952
	Total	33,372	30,850	32,608	30,513	30,937	32,125	32,053	32,579	30,048	26,242
North Carolina	Single	*	*	27,077	29,849	31,697	35,330	35,988	35,148	35,693	37,506
	Multiple	*	*	86,428	93,636	103,625	114,365	96,207	99,253	101,244	105,617
	Total	*	*	113,505	123,485	135,322	149,695	132,195	134,401	136,937	143,123
Ohio	Single	58,944	58,012	59,886	62,714	63,926	66,612	67,539	65,643	63,174	68,542
	Multiple	187,267	173,575	175,760	176,434	182,135	187,594	195,533	191,645	189,671	194,800
	Total	246,211	231,587	235,646	239,148	246,061	254,206	263,072	257,288	252,845	263,342
Pennsylvania	Single	23,105	21,255	22,876	23,176	22,459	23,482	25,145	25,323	23,292	25,705
	Multiple	24,105	22,660	23,400	24,048	24,946	25,039	26,668	26,999	28,130	28,399
	Total	47,210	43,915	46,276	47,224	47,405	48,521	51,813	52,322	51,422	54,104
Texas	Single	39,594	38,838	38,199	38,620	40,861	34,320	30,544	33,257	34,164	33,770
	Multiple	176,542	168,444	170,953	170,913	179,029	117,870	59,717	63,709	68,568	71,605
	Total	216,136	207,282	209,152	209,533	219,890	152,190	90,261	96,966	102,732	105,375
Utah	Single	7,299	6,566	7,192	6,941	7,567	7,354	7,859	7,715	7,759	7,266
	Multiple	22,684	20,488	21,406	24,862	25,784	24,047	26,537	26,411	26,568	25,702
	Unknown	0	0	0	0	2	0	0	0	0	0
	Total	29,983	27,054	28,598	31,803	33,353	31,401	34,396	34,126	34,327	32,968
Virginia	Single	22,874	20,063	17,773	17,279	18,145	17,648	19,202	18,448	22,728	23,797
	Multiple	58,930	53,926	53,196	50,369	52,991	53,617	55,902	55,933	57,743	59,890
	Total	81,804	73,989	70,969	67,648	71,136	71,265	75,104	74,381	80,471	83,687
Washington	Single	16,226	14,491	14,540	14,807	15,350	15,763	16,902	*	*	*
	Multiple	63,391	57,544	59,246	57,074	59,193	62,269	66,269	*	*	*
	Total	79,617	72,035	73,786	71,881	74,543	78,032	83,171	*	*	*

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Vehicles

Crash Data Report: 1990-1999

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Table 5: Passenger Cars Involved in Motor Vehicle Crashes by Crash Severity

STATE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
FATAL CRASHES										
California	4,272	3,899	3,534	3,461	3,663	3,465	3,381	2,997	2,926	2,923
Florida	2,578	2,220	2,242	2,433	2,402	2,549	2,546	2,484	2,632	2,514
Georgia	1,257	1,150	1,112	1,163	1,195	1,182	1,205	1,195	1,108	*
Illinois	1,459	1,280	1,233	1,279	1,328	1,343	722	1,132	1,116	1,150
Indiana	880	805	747	744	794	801	848	787	744	777
Kansas	328	268	280	299	306	315	383	340	347	371
Maryland	668	606	595	582	609	630	545	529	510	513
Michigan	1,558	1,384	1,247	1,334	1,297	1,440	1,404	1,348	1,219	1,260
Missouri	848	841	808	756	794	769	816	853	826	760
New Mexico	272	246	239	234	250	256	261	229	212	208
North Carolina	*	*	1,113	1,159	1,183	1,190	1,285	1,266	1,370	1,212
Ohio	1,483	1,450	1,321	1,337	1,294	1,236	1,311	1,313	1,301	1,256
Pennsylvania	1,425	1,415	1,317	1,291	1,228	1,238	1,208	1,267	1,177	1,165
Texas	2,156	2,039	1,966	2,006	1,933	2,055	2,313	2,216	2,189	2,067
Utah	178	180	166	198	205	215	174	217	211	170
Virginia	890	745	700	760	737	734	741	813	710	628
Washington	587	502	480	458	460	451	480	*	*	*
INJURY CRASHES										
California	315,310	300,736	292,726	274,432	277,016	264,789	262,073	249,602	257,412	257,440
Florida	183,350	168,717	176,168	181,669	189,174	201,733	207,829	204,876	205,021	193,247
Georgia	87,323	84,626	91,212	95,946	115,206	115,153	116,026	113,391	104,285	*
Illinois	152,497	140,580	148,490	147,985	112,621	109,605	59,615	116,192	93,943	88,616
Indiana	63,878	58,650	61,664	64,221	64,854	66,775	64,615	64,576	63,931	60,685
Kansas	24,622	23,251	24,643	24,571	24,582	24,947	24,767	25,013	24,793	24,507
Maryland	68,392	62,275	66,650	52,819	58,767	57,037	57,003	52,915	49,238	48,670
Michigan	140,925	132,136	113,926	128,237	135,581	138,299	134,929	129,405	122,762	114,878
Missouri	62,442	58,171	60,558	62,846	64,504	64,355	64,126	61,747	60,506	58,369
New Mexico	16,694	16,871	18,783	19,924	21,182	21,828	21,452	20,168	18,959	16,274
North Carolina	*	*	107,951	113,112	121,746	128,331	128,705	132,533	129,338	126,649
Ohio	181,158	164,877	172,725	174,966	175,840	182,387	185,244	181,397	174,162	167,990
Pennsylvania	118,908	107,790	109,933	108,447	105,134	107,109	108,715	108,890	106,756	104,781
Texas	198,642	197,019	207,915	215,759	229,955	229,862	235,298	231,271	225,254	221,471
Utah	17,436	16,315	18,526	20,020	21,575	22,217	22,670	23,125	21,691	21,524
Virginia	67,843	63,459	68,018	68,659	72,529	71,861	71,080	70,464	70,079	66,980
Washington	64,333	60,988	64,011	63,077	65,829	67,612	65,938	*	*	*

**Data not available.*

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 5: Passenger Cars Involved in Motor Vehicle Crashes by Crash Severity

STATE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
PROPERTY DAMAGE ONLY CRASHES										
California	409,983	378,509	360,230	357,988	357,407	351,361	360,253	354,243	372,917	376,580
Florida	101,920	88,271	83,281	79,920	81,209	97,203	104,252	105,538	108,536	107,953
Georgia	226,673	216,108	226,807	233,350	251,332	255,547	262,801	267,884	243,566	*
Illinois	498,853	465,909	432,198	446,245	299,534	289,539	160,190	381,448	277,895	286,770
Indiana	176,528	164,190	161,883	165,101	166,731	176,117	177,870	180,818	181,405	183,305
Kansas	48,783	47,352	49,144	52,927	49,495	52,655	55,202	57,093	59,874	59,202
Maryland	67,424	60,749	60,347	57,153	64,415	63,853	66,184	65,485	64,036	67,349
Michigan	360,090	337,683	330,095	335,216	364,218	381,283	394,598	384,855	362,042	372,601
Missouri	163,584	153,801	153,426	157,747	156,339	159,059	160,461	160,540	162,132	158,514
New Mexico	32,988	30,548	32,157	31,003	31,494	32,337	31,361	31,150	28,982	25,244
North Carolina	*	*	150,703	161,800	176,040	193,059	165,607	171,595	172,561	174,372
Ohio	332,513	308,969	314,307	314,790	319,449	328,923	338,639	331,037	325,702	332,722
Pennsylvania	55,213	51,107	52,502	53,034	51,279	52,382	54,842	55,815	56,394	56,674
Texas	243,141	229,020	228,866	224,587	230,240	155,017	88,148	92,874	97,578	99,046
Utah	34,757	31,543	32,413	35,486	36,146	33,080	35,179	34,995	34,998	33,237
Virginia	107,568	99,012	95,202	88,768	92,004	90,564	93,923	93,182	98,967	96,417
Washington	94,078	85,489	86,572	81,081	82,351	85,742	88,196	*	*	*
ALL CRASHES										
California	729,565	683,144	656,490	635,881	638,086	619,615	625,707	606,842	633,255	636,943
Florida	287,848	259,208	261,691	264,022	272,785	301,485	314,627	312,898	316,189	303,714
Georgia	315,253	301,884	319,131	330,459	367,733	371,882	380,032	382,470	348,959	*
Illinois	652,809	607,769	581,921	595,509	413,483	400,487	220,527	498,772	372,954	376,536
Indiana	241,286	223,645	224,294	230,066	232,379	243,693	243,333	246,181	246,080	244,767
Kansas	73,733	70,871	74,067	77,797	74,383	77,917	80,352	82,446	85,014	84,080
Maryland	136,484	123,630	127,592	110,554	123,791	121,520	123,732	118,929	113,784	116,532
Michigan	502,573	471,203	445,268	464,787	501,096	521,022	530,931	515,608	486,023	488,739
Missouri	226,874	212,813	214,792	221,349	221,637	224,183	225,403	223,140	223,464	217,643
New Mexico	49,954	47,665	51,179	51,161	52,926	54,421	53,074	51,547	48,153	41,726
North Carolina	*	*	259,767	276,071	298,969	322,580	295,597	305,394	303,269	302,233
Ohio	515,154	475,296	488,353	491,093	496,583	512,546	525,194	513,747	501,165	501,968
Pennsylvania	175,546	160,312	163,752	162,772	157,641	160,729	164,765	165,972	164,327	162,620
Texas	443,939	428,078	438,747	442,352	462,128	386,934	325,759	326,361	325,021	322,584
Utah	52,371	48,038	51,105	55,704	57,926	55,512	58,023	58,337	56,900	54,931
Virginia	176,301	163,216	163,920	158,187	165,270	163,159	165,744	164,459	169,756	164,025
Washington	158,998	146,979	151,063	144,616	148,640	153,805	154,614	*	*	*

**Data not available.*

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 6: Light Trucks Involved in Motor Vehicle Crashes by Crash Severity

STATE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
FATAL CRASHES										
California	1,658	1,536	1,434	1,399	1,437	1,389	1,441	1,263	1,259	1,183
Florida	892	745	742	881	921	1,008	955	978	1,044	1,141
Georgia	565	485	470	467	623	718	714	749	780	*
Illinois	432	396	392	350	437	452	267	532	539	567
Indiana	287	311	281	288	316	311	317	332	360	341
Kansas	133	142	144	173	166	171	190	200	203	222
Maryland	216	230	203	115	198	246	244	261	253	257
Michigan	332	311	352	442	473	555	547	508	549	522
Missouri	349	326	363	390	463	533	537	585	558	548
New Mexico	220	205	227	208	215	220	251	241	213	260
North Carolina	*	*	381	466	511	584	570	532	573	664
Ohio	382	369	341	346	322	346	340	379	379	415
Pennsylvania	466	480	435	532	467	500	558	610	550	590
Texas	1,362	1,320	1,350	1,385	1,525	1,585	1,908	1,815	1,934	2,026
Utah	121	127	132	149	166	188	179	200	198	217
Virginia	283	292	268	276	273	312	282	343	336	354
Washington	334	293	291	283	324	290	373	*	*	*
INJURY CRASHES										
California	90,113	84,960	83,431	79,956	81,491	81,716	81,381	78,713	81,233	81,224
Florida	41,352	37,815	41,200	45,421	49,782	55,513	60,876	62,538	65,454	64,549
Georgia	23,121	22,605	24,017	25,954	35,798	41,421	45,009	45,538	45,212	*
Illinois	26,601	26,492	29,449	28,455	25,063	26,004	16,212	31,405	30,382	31,595
Indiana	13,982	13,527	14,958	16,469	17,499	18,707	19,098	19,876	19,894	19,749
Kansas	7,268	7,104	7,686	8,174	8,555	8,600	8,811	9,123	9,273	8,922
Maryland	15,666	14,014	15,107	8,207	13,348	16,785	17,873	16,660	16,620	17,359
Michigan	19,673	18,405	24,352	30,655	35,002	37,476	38,076	38,644	37,757	38,220
Missouri	16,871	15,963	16,980	22,035	23,500	25,595	27,009	27,574	28,178	28,745
New Mexico	8,821	8,860	9,806	10,705	11,958	12,890	13,244	12,732	12,457	11,014
North Carolina	*	*	27,750	30,010	33,122	36,796	39,243	39,404	39,988	45,039
Ohio	32,982	30,568	33,222	35,128	37,521	40,324	42,596	42,310	41,573	41,456
Pennsylvania	25,973	25,063	27,494	29,118	32,115	32,982	36,879	37,240	36,624	38,678
Texas	80,548	82,440	90,990	99,459	111,356	120,068	128,575	132,667	134,354	139,696
Utah	7,156	7,057	8,430	9,596	11,216	12,011	13,300	13,638	13,378	13,793
Virginia	15,941	14,651	16,507	17,330	18,987	19,834	21,068	21,904	23,082	26,161
Washington	24,600	23,690	25,731	27,000	30,194	32,129	34,001	*	*	*

**Data not available.*

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 6: Light Trucks Involved in Motor Vehicle Crashes by Crash Severity

STATE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
PROPERTY DAMAGE ONLY CRASHES										
California	137,730	125,890	120,668	120,869	122,765	124,394	127,702	126,686	134,472	134,324
Florida	23,642	20,673	19,811	20,934	22,247	28,379	31,517	33,172	35,882	36,066
Georgia	64,514	61,633	66,046	69,813	84,669	100,501	111,982	116,505	111,814	*
Illinois	92,972	94,081	93,045	92,322	74,962	77,841	47,297	109,452	100,375	111,052
Indiana	44,423	42,946	45,058	49,726	52,587	57,947	60,850	63,475	63,786	66,977
Kansas	16,777	17,461	18,613	21,783	20,804	22,654	24,148	25,351	26,711	26,868
Maryland	17,716	15,519	15,674	9,886	15,972	19,893	22,162	21,363	22,256	24,585
Michigan	61,727	59,296	82,259	96,079	112,509	124,527	133,282	134,204	131,865	142,576
Missouri	48,946	47,027	47,861	59,713	62,800	68,376	72,969	75,650	80,527	83,709
New Mexico	19,395	18,052	20,197	19,286	20,385	21,523	22,084	22,886	21,398	19,149
North Carolina	*	*	42,603	47,914	54,200	61,127	57,532	57,042	60,140	68,572
Ohio	73,733	69,543	74,073	76,960	83,049	87,870	93,150	91,693	90,789	94,945
Pennsylvania	14,377	14,377	16,207	17,224	19,381	19,761	22,199	22,320	22,304	24,478
Texas	111,472	109,366	114,640	119,006	129,386	93,256	55,365	60,502	66,336	69,859
Utah	17,362	15,965	17,480	20,862	22,798	21,332	24,350	24,546	24,937	24,705
Virginia	27,436	24,758	25,386	25,445	27,404	28,077	31,462	32,599	35,591	41,167
Washington	40,779	37,361	39,874	40,681	43,067	45,845	51,483	*	*	*
ALL CRASHES										
California	229,501	212,386	205,533	202,224	205,693	207,499	210,524	206,662	216,964	216,731
Florida	65,886	59,233	61,753	67,236	72,950	84,900	93,348	96,688	102,380	101,756
Georgia	88,200	84,723	90,533	96,234	121,090	142,640	157,705	162,792	157,806	*
Illinois	120,005	120,969	122,886	121,127	100,462	104,297	63,776	141,389	131,296	143,214
Indiana	58,692	56,784	60,297	66,483	70,402	76,965	80,265	83,683	84,040	87,067
Kansas	24,178	24,707	26,443	30,130	29,525	31,425	33,149	34,674	36,187	36,012
Maryland	33,598	29,763	30,984	18,208	29,518	36,924	40,279	38,284	39,129	42,201
Michigan	81,732	78,012	106,963	127,176	147,984	162,558	171,905	173,356	170,171	181,318
Missouri	66,166	63,316	65,204	82,138	86,763	94,504	100,515	103,809	109,263	113,002
New Mexico	28,436	27,117	30,230	30,199	32,558	34,633	35,579	35,859	34,068	30,423
North Carolina	*	*	70,734	78,390	87,833	98,507	97,345	96,978	100,701	114,275
Ohio	107,097	100,480	107,636	112,434	120,892	128,540	136,086	134,382	132,741	136,816
Pennsylvania	40,816	39,920	44,136	46,874	51,963	53,243	59,636	60,170	59,478	63,746
Texas	193,382	193,126	206,980	219,850	242,267	214,909	185,848	194,984	202,624	211,581
Utah	24,639	23,149	26,042	30,607	34,180	33,531	37,829	38,384	38,513	38,715
Virginia	43,660	39,701	42,161	43,051	46,664	48,223	52,812	54,846	59,009	67,682
Washington	65,713	61,344	65,896	67,964	73,585	78,264	85,857	*	*	*

**Data not available.*

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 7: Buses Involved in Motor Vehicle Crashes by Crash Severity

STATE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
FATAL CRASHES										
California	42	52	42	30	43	31	39	39	35	48
Florida	25	17	22	14	19	15	27	25	28	35
Georgia	7	8	13	10	8	12	11	9	13	*
Illinois	13	19	19	17	29	22	6	17	13	13
Indiana	9	6	6	6	6	7	3	6	4	6
Kansas	2	0	1	2	0	2	1	2	1	5
Maryland	5	6	9	7	7	5	9	11	9	8
Michigan	8	7	10	7	4	11	8	6	3	4
Missouri	6	8	7	9	6	5	6	7	4	7
New Mexico	1	0	2	0	0	2	4	1	3	4
North Carolina	*	*	8	5	3	6	10	7	6	5
Ohio	6	6	11	12	6	10	13	11	11	12
Pennsylvania	14	16	13	21	18	13	14	14	13	22
Texas	17	15	24	14	14	14	23	35	26	21
Utah	1	2	3	2	1	2	5	0	3	3
Virginia	6	4	5	6	4	8	8	8	4	7
Washington	6	6	4	6	5	7	11	*	*	*
INJURY CRASHES										
California	2,232	2,161	2,101	1,959	1,942	1,938	1,925	2,039	2,076	2,151
Florida	1,244	1,180	1,184	1,312	1,358	1,416	1,398	1,451	1,484	1,519
Georgia	562	499	522	607	606	669	704	691	621	*
Illinois	1,671	1,411	1,331	1,313	743	801	350	1,017	552	555
Indiana	318	260	291	289	269	348	330	309	330	324
Kansas	78	90	73	93	82	84	73	96	92	96
Maryland	686	647	677	483	593	571	598	632	664	596
Michigan	603	498	426	401	404	312	343	324	301	254
Missouri	567	563	573	622	644	641	633	640	588	597
New Mexico	32	27	40	57	82	85	63	58	47	66
North Carolina	*	*	435	506	578	557	584	642	600	562
Ohio	907	862	914	880	955	979	975	861	925	837
Pennsylvania	898	864	868	855	954	896	930	908	855	899
Texas	1,194	1,182	1,254	1,407	1,523	1,656	1,727	1,833	1,752	1,825
Utah	76	57	70	85	86	108	91	119	96	99
Virginia	398	402	392	389	435	412	433	442	465	478
Washington	318	293	302	353	381	394	428	*	*	*

**Data not available.*

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 7: Buses Involved in Motor Vehicle Crashes by Crash Severity

STATE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
PROPERTY DAMAGE ONLY CRASHES										
California	5,049	4,686	4,258	3,952	4,008	3,786	4,078	4,225	4,391	4,579
Florida	684	681	648	648	756	794	775	826	954	1,053
Georgia	1,802	1,668	1,773	1,774	1,835	2,103	2,588	2,153	2,078	*
Illinois	5,394	4,999	4,303	4,413	2,853	2,636	1,073	3,885	2,116	2,433
Indiana	1,343	1,353	1,249	1,310	1,436	1,429	1,502	1,451	1,361	1,476
Kansas	179	210	201	229	203	248	271	255	266	275
Maryland	1,758	1,750	1,741	1,459	1,905	1,942	2,155	2,218	2,245	2,240
Michigan	1,972	1,940	1,727	1,355	1,226	1,100	1,197	1,090	979	1,152
Missouri	2,127	2,157	2,008	2,120	2,154	2,172	2,226	2,251	2,186	2,245
New Mexico	92	89	128	172	185	210	166	171	150	175
North Carolina	*	*	779	771	825	1,026	760	817	812	834
Ohio	2,478	2,461	2,345	2,353	2,521	2,604	2,552	2,431	2,653	2,756
Pennsylvania	277	271	256	266	278	290	293	341	263	308
Texas	1,684	1,581	1,706	1,720	1,810	1,241	506	553	550	603
Utah	242	221	210	257	246	183	264	270	244	252
Virginia	750	682	633	607	653	648	687	687	681	825
Washington	678	675	776	711	707	780	922	*	*	*
ALL CRASHES										
California	7,323	6,899	6,401	5,941	5,993	5,755	6,042	6,303	6,502	6,778
Florida	1,953	1,878	1,854	1,974	2,133	2,225	2,200	2,302	2,466	2,607
Georgia	2,371	2,175	2,308	2,391	2,449	2,784	3,303	2,853	2,712	*
Illinois	7,078	6,429	5,653	5,743	3,625	3,459	1,429	4,919	2,681	3,001
Indiana	1,670	1,619	1,546	1,605	1,711	1,784	1,835	1,766	1,695	1,806
Kansas	259	300	275	324	285	334	345	353	359	376
Maryland	2,449	2,403	2,427	1,949	2,505	2,518	2,762	2,861	2,918	2,844
Michigan	2,583	2,445	2,163	1,763	1,634	1,423	1,548	1,420	1,283	1,410
Missouri	2,700	2,728	2,588	2,751	2,804	2,818	2,865	2,898	2,778	2,849
New Mexico	125	116	170	229	267	297	233	230	200	245
North Carolina	*	*	1,222	1,282	1,406	1,589	1,354	1,466	1,418	1,401
Ohio	3,391	3,329	3,270	3,245	3,482	3,593	3,540	3,303	3,589	3,605
Pennsylvania	1,189	1,151	1,137	1,142	1,250	1,199	1,237	1,263	1,131	1,229
Texas	2,895	2,778	2,984	3,141	3,347	2,911	2,256	2,421	2,328	2,449
Utah	319	280	283	344	333	293	360	389	343	354
Virginia	1,154	1,088	1,030	1,002	1,092	1,068	1,128	1,137	1,150	1,310
Washington	1,002	974	1,082	1,070	1,093	1,181	1,361	*	*	*

**Data not available.*

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

People

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Table 8: Persons Killed and Injured in Motor Vehicle Crashes

STATE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
KILLED										
California	5,171	4,649	4,185	4,163	4,212	4,165	3,972	3,671	3,459	3,559
Florida	2,951	2,522	2,480	2,719	2,722	2,847	2,806	2,811	2,889	2,920
Georgia	1,561	1,393	1,312	1,399	1,436	1,492	1,582	1,584	1,537	*
Illinois	1,590	1,447	1,384	1,392	1,554	1,586	811	1,397	1,394	1,457
Indiana	1,044	1,022	905	891	977	959	986	940	982	1,023
Kansas	444	409	387	428	442	442	490	481	493	540
Maryland	727	709	664	672	657	683	614	609	606	598
Michigan	1,568	1,425	1,287	1,404	1,407	1,531	1,492	1,436	1,366	1,385
Missouri	1,097	1,011	985	954	1,089	1,109	1,148	1,192	1,169	1,094
New Mexico	499	469	459	430	444	484	479	482	424	460
North Carolina	*	*	1,262	1,376	1,421	1,441	1,477	1,461	1,582	1,506
Ohio	1,636	1,636	1,440	1,479	1,368	1,357	1,395	1,439	1,423	1,430
Pennsylvania	1,646	1,661	1,545	1,530	1,440	1,480	1,470	1,562	1,486	1,549
Texas	3,243	3,079	3,057	3,037	3,142	3,172	3,738	3,500	3,576	3,519
Utah	272	271	269	304	343	325	328	367	350	360
Virginia	1,071	938	839	875	925	900	871	981	934	877
Washington	825	683	651	661	639	654	712	*	*	*
INJURED										
California	365,720	350,068	338,154	315,184	316,441	304,941	300,106	284,871	290,698	288,727
Florida	214,204	195,121	205,431	212,497	223,458	233,900	243,320	240,001	241,863	232,225
Georgia	98,670	96,689	102,756	109,147	135,345	139,817	142,841	139,380	127,706	*
Illinois	157,077	145,601	154,669	155,660	152,086	151,642	65,465	129,927	107,052	104,021
Indiana	72,465	67,219	74,205	77,735	80,333	82,924	79,705	80,478	79,521	75,731
Kansas	30,252	28,641	30,042	30,140	30,511	30,550	31,342	31,695	31,206	30,528
Maryland	81,126	74,389	80,607	63,675	71,322	69,128	69,142	65,553	60,596	60,153
Michigan	145,333	135,829	117,334	133,366	141,188	145,158	141,373	136,464	130,570	123,722
Missouri	72,491	67,698	70,550	77,531	81,043	81,117	82,696	81,568	79,759	78,304
New Mexico	24,839	24,967	27,121	27,909	29,823	30,870	31,263	29,641	28,095	24,240
North Carolina	*	*	123,791	130,645	139,970	149,002	152,085	153,877	151,429	153,009
Ohio	212,732	196,903	203,635	206,211	209,112	217,724	224,046	220,377	211,205	205,056
Pennsylvania	142,957	130,446	133,350	131,637	130,689	133,212	136,975	139,142	134,361	133,785
Texas	262,563	263,430	282,025	298,891	326,837	334,259	350,395	346,297	338,661	339,448
Utah	22,143	20,959	24,124	25,760	28,072	28,343	30,715	31,237	30,232	29,959
Virginia	76,436	70,899	76,334	77,852	82,146	82,400	82,363	81,862	81,221	81,204
Washington	76,063	72,002	75,801	76,325	81,419	84,233	83,780	*	*	*

**Data not available.*

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 9: Motor Vehicle Crash Fatality and Injury Rates per 100,000 Residents

STATE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
KILLED										
California	17.3	15.3	13.6	13.4	13.4	13.2	12.5	11.4	10.6	10.7
Florida	22.7	19.0	18.4	19.8	19.5	20.1	19.4	19.1	19.4	19.3
Georgia	24.0	21.0	19.4	20.3	20.4	20.8	21.6	21.2	20.1	*
Illinois	13.9	12.5	11.9	11.9	13.2	13.3	6.8	11.6	11.5	12.0
Indiana	18.8	18.2	16.0	15.6	17.0	16.6	16.9	16.0	16.6	17.2
Kansas	17.9	16.4	15.3	16.8	17.2	17.1	18.9	18.4	18.7	20.3
Maryland	15.2	14.6	13.5	13.6	13.2	13.6	12.1	12.0	11.8	11.6
Michigan	16.8	15.2	13.6	14.7	14.7	15.8	15.3	14.7	13.9	14.0
Missouri	21.4	19.6	19.0	18.2	20.6	20.8	21.4	22.0	21.5	20.0
New Mexico	32.8	30.3	29.0	26.6	26.9	28.8	28.1	28.0	24.5	26.4
North Carolina	*	*	18.5	19.8	20.1	20.1	20.2	19.7	21.0	19.7
Ohio	15.1	15.0	13.1	13.4	12.3	12.2	12.5	12.8	12.7	12.7
Pennsylvania	13.8	13.9	12.9	12.7	12.0	12.3	12.2	13.0	12.4	12.9
Texas	19.0	17.8	17.3	16.9	17.1	17.0	19.7	18.1	18.1	17.6
Utah	15.7	15.3	14.8	16.2	17.8	16.4	16.2	17.8	16.7	16.9
Virginia	17.2	14.9	13.1	13.5	14.2	13.6	13.1	14.6	13.8	12.8
Washington	16.8	13.6	12.7	12.6	12.0	12.0	12.9	*	*	*
INJURED										
California	1,221.1	1,151.0	1,095.2	1,011.9	1,010.4	968.3	944.3	884.2	889.5	871.1
Florida	1,645.4	1,468.2	1,521.2	1,549.5	1,600.5	1,648.9	1,686.6	1,634.5	1,622.3	1,536.8
Georgia	1,516.5	1,460.3	1,520.2	1,583.2	1,920.9	1,945.0	1,948.1	1,861.9	1,672.3	*
Illinois	1,372.2	1,262.1	1,329.3	1,327.5	1,288.3	1,275.9	547.7	1,081.7	886.9	857.7
Indiana	1,304.5	1,199.9	1,313.7	1,363.3	1,398.2	1,431.7	1,366.0	1,370.5	1,346.1	1,274.3
Kansas	1,219.5	1,147.8	1,189.3	1,183.1	1,187.6	1,180.9	1,206.3	1,211.4	1,182.6	1,150.2
Maryland	1,691.0	1,531.8	1,644.2	1,288.3	1,430.6	1,376.1	1,367.2	1,287.1	1,181.2	1,163.1
Michigan	1,561.0	1,445.8	1,239.0	1,399.5	1,473.1	1,502.7	1,451.6	1,394.6	1,329.6	1,254.3
Missouri	1,414.1	1,312.5	1,358.4	1,480.2	1,534.6	1,523.4	1,540.6	1,508.5	1,466.8	1,432.0
New Mexico	1,634.2	1,613.8	1,715.7	1,728.2	1,803.8	1,834.9	1,832.4	1,720.4	1,620.7	1,393.2
North Carolina	*	*	1,812.0	1,880.5	1,982.3	2,073.7	2,081.2	2,071.4	2,006.8	1,999.9
Ohio	1,958.5	1,800.9	1,849.9	1,862.7	1,882.0	1,951.7	2,002.7	1,965.5	1,879.4	1,821.6
Pennsylvania	1,201.8	1,092.2	1,113.0	1,095.0	1,085.2	1,106.0	1,137.9	1,158.0	1,119.5	1,115.4
Texas	1,540.4	1,519.2	1,597.8	1,660.8	1,782.3	1,789.4	1,843.6	1,789.1	1,718.0	1,693.5
Utah	1,280.1	1,182.8	1,324.4	1,373.1	1,454.2	1,433.8	1,518.9	1,512.4	1,439.2	1,406.6
Virginia	1,230.2	1,128.3	1,195.8	1,204.2	1,256.7	1,248.2	1,235.7	1,215.9	1,196.3	1,181.5
Washington	1,552.1	1,436.2	1,475.0	1,454.4	1,526.2	1,551.0	1,520.5	*	*	*

**Data not available.*

Population estimates obtained from U.S. Census Bureau report ST-99-3.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 10: Persons Killed or Injured in Motor Vehicle Crashes by Person Type

STATE	TYPE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED					
California	Driver	2,734	2,357	2,133	2,041	2,086	2,037	1,995	1,772	1,680	1,794
	Passenger	1,276	1,280	1,153	1,126	1,153	1,154	1,053	1,002	972	955
	Pedestrian	1,002	889	773	862	853	834	795	782	698	688
	Pedalcyclist	131	115	122	131	120	139	125	113	107	117
	Unknown	28	8	4	3	0	1	4	2	2	5
	Total	5,171	4,649	4,185	4,163	4,212	4,165	3,972	3,671	3,459	3,559
						INJURED					
California	Driver	206,392	195,305	189,267	176,894	180,402	174,527	172,155	163,752	168,807	169,708
	Passenger	124,149	121,110	116,838	107,556	106,399	101,361	99,482	92,839	95,121	92,410
	Pedestrian	18,410	17,366	16,479	16,508	16,293	16,007	16,011	14,988	14,660	14,346
	Pedalcyclist	16,608	16,109	15,420	14,061	13,201	12,960	12,364	13,186	11,972	12,074
	Unknown	161	178	150	165	146	86	94	106	138	189
	Total	365,720	350,068	338,154	315,184	316,441	304,941	300,106	284,871	290,698	288,727
						KILLED					
Florida	Driver	1,540	1,280	1,255	1,424	1,401	1,478	1,448	1,508	1,585	1,592
	Passenger	670	618	625	669	670	666	694	653	659	711
	Pedestrian	597	506	491	502	528	564	559	535	548	501
	Pedalcyclist	144	118	109	124	123	139	105	115	97	116
	Total	2,951	2,522	2,480	2,719	2,722	2,847	2,806	2,811	2,889	2,920
						INJURED					
Florida	Driver	126,682	115,117	121,296	127,856	134,624	143,714	152,183	151,093	152,513	147,102
	Passenger	72,471	64,967	68,662	69,422	73,439	75,266	76,561	75,330	76,087	72,784
	Pedestrian	8,113	7,983	8,017	8,089	8,309	8,035	8,054	7,794	8,074	7,536
	Pedalcyclist	6,938	7,054	7,456	7,130	7,086	6,885	6,522	5,784	5,189	4,803
	Total	214,204	195,121	205,431	212,497	223,458	233,900	243,320	240,001	241,863	232,225
						KILLED					
Georgia	Driver	954	837	786	813	898	916	966	975	980	*
	Passenger	419	374	336	377	353	388	439	403	375	*
	Pedestrian	177	161	173	188	166	169	162	188	162	*
	Pedalcyclist	10	20	17	21	19	19	15	18	20	*
	Unknown	1	1	0	0	0	0	0	0	0	*
	Total	1,561	1,393	1,312	1,399	1,436	1,492	1,582	1,584	1,537	*

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 10: Persons Killed or Injured in Motor Vehicle Crashes by Person Type

STATE	TYPE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURED					
Georgia	Driver	62,752	60,588	64,861	68,821	83,088	86,873	89,066	88,085	82,695	*
	Passenger	32,585	32,827	34,487	36,968	49,030	49,628	50,167	47,731	42,435	*
	Pedestrian	2,338	2,291	2,389	2,376	2,270	2,326	2,531	2,565	1,798	*
	Pedalcyclist	862	932	940	963	957	990	1,077	999	777	*
	Unknown	133	51	79	19	0	0	0	0	1	*
	Total	98,670	96,689	102,756	109,147	135,345	139,817	142,841	139,380	127,706	*
						KILLED					
Illinois	Driver	911	871	833	792	944	926	482	820	820	899
	Passenger	377	326	335	359	348	418	223	338	346	343
	Pedestrian	273	223	190	213	237	214	96	200	189	176
	Pedalcyclist	28	27	24	28	25	27	9	34	34	28
	Unknown	1	0	2	0	0	1	1	5	5	11
	Total	1,590	1,447	1,384	1,392	1,554	1,586	811	1,397	1,394	1,457
						INJURED					
Illinois	Driver	94,339	88,070	91,735	93,455	93,402	93,300	44,070	83,707	71,084	70,815
	Passenger	48,482	43,493	49,461	50,242	48,945	49,762	19,777	38,603	31,595	29,016
	Pedestrian	10,140	9,602	9,307	8,282	6,454	5,607	1,037	5,176	2,477	2,328
	Pedalcyclist	4,083	4,388	4,116	3,660	3,277	2,962	574	2,426	1,887	1,787
	Unknown	33	48	50	21	8	11	7	15	9	75
	Total	157,077	145,601	154,669	155,660	152,086	151,642	65,465	129,927	107,052	104,021
						KILLED					
Indiana	Driver	665	666	575	593	632	612	644	614	660	696
	Passenger	265	249	237	225	249	257	258	240	237	247
	Pedestrian	99	87	75	64	84	76	78	75	72	66
	Pedalcyclist	15	20	18	9	12	14	6	11	13	14
	Total	1,044	1,022	905	891	977	959	986	940	982	1,023
						INJURED					
Indiana	Driver	44,796	41,740	43,957	45,974	47,475	49,037	48,342	48,907	48,792	46,666
	Passenger	23,862	21,943	26,612	28,214	29,403	30,330	27,999	28,285	27,420	25,819
	Pedestrian	2,353	2,152	2,201	2,128	2,096	2,229	2,156	2,123	2,027	2,074
	Pedalcyclist	1,454	1,384	1,435	1,419	1,359	1,328	1,208	1,163	1,282	1,172
	Total	72,465	67,219	74,205	77,735	80,333	82,924	79,705	80,478	79,521	75,731

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 10: Persons Killed or Injured in Motor Vehicle Crashes by Person Type

STATE	TYPE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED					
Kansas	Driver	283	256	258	290	292	293	340	322	337	339
	Passenger	121	126	106	107	127	103	128	122	114	161
	Pedestrian	34	20	21	26	22	39	20	28	33	33
	Pedalcyclist	6	7	2	4	1	6	2	9	7	7
	Unknown	0	0	0	1	0	1	0	0	2	0
	Total	444	409	387	428	442	442	490	481	493	540
						INJURED					
Kansas	Driver	18,949	18,023	18,827	19,086	19,324	19,589	20,069	20,342	20,109	19,825
	Passenger	10,090	9,415	9,985	9,893	10,017	9,782	10,153	10,310	10,146	9,756
	Pedestrian	703	689	715	697	665	696	718	586	565	546
	Pedalcyclist	480	458	462	437	475	458	379	418	350	385
	Unknown	30	56	53	27	30	25	23	39	36	16
	Total	30,252	28,641	30,042	30,140	30,511	30,550	31,342	31,695	31,206	30,528
						KILLED					
Maryland	Driver	404	383	390	367	354	385	340	345	333	363
	Passenger	173	174	160	165	158	158	143	143	160	110
	Pedestrian	135	142	98	123	123	128	123	104	101	119
	Pedalcyclist	15	10	16	14	15	8	7	15	11	6
	Unknown	0	0	0	3	7	4	1	2	1	0
	Total	727	709	664	672	657	683	614	609	606	598
						INJURED					
Maryland	Driver	49,253	44,785	48,606	39,248	44,109	42,950	43,061	40,739	38,068	38,092
	Passenger	27,090	24,887	27,423	20,783	22,659	21,746	21,563	20,510	18,462	18,033
	Pedestrian	3,547	3,432	3,440	2,544	3,151	3,018	3,126	2,874	2,754	2,786
	Pedalcyclist	1,236	1,285	1,138	799	1,061	1,007	1,031	1,049	941	910
	Unknown	0	0	0	301	342	407	361	381	371	332
	Total	81,126	74,389	80,607	63,675	71,322	69,128	69,142	65,553	60,596	60,153
						KILLED					
Michigan	Driver	957	844	732	853	846	921	892	844	838	860
	Passenger	358	357	314	334	341	372	359	386	320	316
	Pedestrian	226	180	169	171	181	191	190	165	172	175
	Pedalcyclist	25	40	31	29	29	28	32	29	27	25
	Unknown	2	4	41	17	10	19	19	12	9	9
	Total	1,568	1,425	1,287	1,404	1,407	1,531	1,492	1,436	1,366	1,385

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 10: Persons Killed or Injured in Motor Vehicle Crashes by Person Type

STATE	TYPE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURED					
Michigan	Driver	94,161	87,467	76,871	88,913	94,448	98,032	96,158	93,039	89,053	85,423
	Passenger	43,806	41,159	30,173	36,190	38,148	39,336	37,700	36,358	34,188	31,734
	Pedestrian	4,039	3,682	2,083	2,810	3,502	3,473	3,383	3,182	3,308	3,095
	Pedalcyclist	2,872	3,062	2,120	2,169	2,728	2,636	2,519	2,336	2,500	2,222
	Unknown	455	459	6,087	3,284	2,362	1,681	1,613	1,549	1,521	1,248
	Total	145,333	135,829	117,334	133,366	141,188	145,158	141,373	136,464	130,570	123,722
						KILLED					
Missouri	Driver	652	683	648	589	700	697	754	775	731	730
	Passenger	330	250	243	254	296	308	292	310	328	292
	Pedestrian	101	73	87	103	86	94	97	101	101	65
	Pedalcyclist	14	5	7	8	7	10	5	6	9	7
	Total	1,097	1,011	985	954	1,089	1,109	1,148	1,192	1,169	1,094
						INJURED					
Missouri	Driver	44,975	41,996	43,874	47,184	49,358	50,286	51,386	50,799	49,984	49,386
	Passenger	24,376	22,779	23,683	27,471	28,733	28,077	28,568	28,059	27,079	26,344
	Pedestrian	2,191	2,067	2,038	2,047	2,023	1,902	1,915	1,894	1,892	1,841
	Pedalcyclist	949	856	955	829	929	852	827	816	804	733
	Total	72,491	67,698	70,550	77,531	81,043	81,117	82,696	81,568	79,759	78,304
						KILLED					
New Mexico	Driver	253	244	229	235	229	245	234	237	214	236
	Passenger	158	130	139	123	135	145	163	159	148	155
	Pedestrian	83	91	90	67	72	88	62	66	58	52
	Pedalcyclist	5	4	1	5	8	6	2	5	3	10
	Unknown	0	0	0	0	0	0	18	15	1	7
	Total	499	469	459	430	444	484	479	482	424	460
						INJURED					
New Mexico	Driver	15,166	15,141	16,416	17,068	18,201	19,152	19,458	18,350	17,588	15,359
	Passenger	8,711	8,873	9,673	9,803	10,611	10,698	10,808	10,171	9,588	8,116
	Pedestrian	606	564	602	612	603	577	565	569	465	420
	Pedalcyclist	356	389	430	426	408	443	384	354	338	248
	Unknown	0	0	0	0	0	0	48	197	116	97
	Total	24,839	24,967	27,121	27,909	29,823	30,870	31,263	29,641	28,095	24,240

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 10: Persons Killed or Injured in Motor Vehicle Crashes by Person Type

STATE	TYPE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED					
North Carolina	Driver	*	*	730	846	836	846	886	874	983	961
	Passenger	*	*	332	317	369	361	382	375	357	356
	Pedestrian	*	*	178	182	189	199	173	181	202	162
	Pedalcyclist	*	*	22	31	27	35	36	31	40	27
	Total	*	*	1,262	1,376	1,421	1,441	1,477	1,461	1,582	1,506
						INJURED					
North Carolina	Driver	*	*	79,144	83,172	89,736	95,549	97,773	99,849	98,783	100,316
	Passenger	*	*	41,173	43,820	46,523	49,771	50,726	50,477	49,165	49,535
	Pedestrian	*	*	2,235	2,404	2,470	2,357	2,404	2,379	2,380	2,060
	Pedalcyclist	*	*	1,239	1,249	1,241	1,325	1,182	1,172	1,101	1,098
	Total	*	*	123,791	130,645	139,970	149,002	152,085	153,877	151,429	153,009
						KILLED					
Ohio	Driver	1,027	1,043	906	921	853	880	912	942	922	944
	Passenger	386	393	364	386	374	341	345	349	348	345
	Pedestrian	196	170	151	157	127	117	122	127	137	123
	Pedalcyclist	27	30	19	15	14	19	16	21	16	18
	Total	1,636	1,636	1,440	1,479	1,368	1,357	1,395	1,439	1,423	1,430
						INJURED					
Ohio	Driver	138,878	128,689	134,006	136,012	138,355	145,058	149,659	147,577	141,484	138,231
	Passenger	66,165	60,678	62,288	62,945	63,487	65,648	67,204	66,047	63,165	60,867
	Pedestrian	4,970	4,547	4,602	4,515	4,458	4,244	4,480	4,116	3,896	3,556
	Pedalcyclist	2,719	2,989	2,739	2,739	2,812	2,774	2,703	2,637	2,660	2,402
	Total	212,732	196,903	203,635	206,211	209,112	217,724	224,046	220,377	211,205	205,056
						KILLED					
Pennsylvania	Driver	966	1,004	925	941	881	902	886	977	958	973
	Passenger	386	405	377	352	361	361	340	393	339	371
	Pedestrian	267	234	231	214	179	198	218	175	166	187
	Pedalcyclist	27	18	12	23	19	19	26	17	23	18
	Total	1,646	1,661	1,545	1,530	1,440	1,480	1,470	1,562	1,486	1,549
						INJURED					
Pennsylvania	Driver	87,597	79,973	81,749	81,053	80,258	82,201	85,895	87,290	85,091	85,056
	Passenger	46,078	41,505	42,313	41,788	41,538	42,048	42,774	43,282	40,600	40,491
	Pedestrian	6,683	6,283	6,608	6,167	6,273	6,219	5,903	6,040	5,901	5,853
	Pedalcyclist	2,599	2,685	2,680	2,629	2,620	2,744	2,403	2,530	2,769	2,385
	Total	142,957	130,446	133,350	131,637	130,689	133,212	136,975	139,142	134,361	133,785

**Data not available.*

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 10: Persons Killed or Injured in Motor Vehicle Crashes by Person Type

STATE	TYPE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED					
Texas	Driver	1,842	1,640	1,652	1,710	1,807	1,783	2,131	2,012	2,078	2,089
	Passenger	853	862	836	810	842	870	1,083	975	969	942
	Pedestrian	490	514	514	455	428	461	447	445	465	432
	Pedalcyclist	47	55	47	52	55	52	60	54	57	44
	Unknown	11	8	8	10	10	6	17	14	7	12
	Total	3,243	3,079	3,057	3,037	3,142	3,172	3,738	3,500	3,576	3,519
						INJURED					
Texas	Driver	158,672	158,835	168,609	177,814	194,095	198,855	211,204	210,351	208,169	209,491
	Passenger	94,474	95,735	104,006	111,830	123,214	126,131	129,993	126,745	121,596	121,875
	Pedestrian	5,664	5,318	5,513	5,574	5,596	5,408	5,407	5,554	5,323	4,819
	Pedalcyclist	2,856	2,718	2,936	2,740	2,986	2,933	2,811	2,755	2,608	2,467
	Unknown	897	824	961	933	946	932	980	892	965	796
	Total	262,563	263,430	282,025	298,891	326,837	334,259	350,395	346,297	338,661	339,448
						KILLED					
Utah	Driver	138	146	131	166	178	172	176	190	178	208
	Passenger	94	88	90	96	118	99	109	135	119	107
	Pedestrian	32	31	42	31	43	46	35	39	44	38
	Pedalcyclist	8	4	6	11	4	8	8	3	9	7
	Unknown	0	2	0	0	0	0	0	0	0	0
	Total	272	271	269	304	343	325	328	367	350	360
						INJURED					
Utah	Driver	13,004	12,240	14,083	15,228	17,053	17,175	18,677	19,246	18,672	18,707
	Passenger	7,587	7,287	8,385	8,987	9,350	9,704	10,299	10,305	10,028	9,727
	Pedestrian	898	741	847	838	872	701	960	888	774	748
	Pedalcyclist	624	666	803	705	779	729	766	797	758	777
	Unknown	30	25	6	2	18	34	13	1	0	0
	Total	22,143	20,959	24,124	25,760	28,072	28,343	30,715	31,237	30,232	29,959

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 10: Persons Killed or Injured in Motor Vehicle Crashes by Person Type

STATE	TYPE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED					
Virginia	Driver	643	552	505	518	535	560	520	623	592	570
	Passenger	292	252	228	230	271	230	227	247	223	210
	Pedestrian	116	112	93	112	101	93	114	90	102	87
	Pedalcyclist	20	22	13	15	18	17	10	21	17	10
	Total	1,071	938	839	875	925	900	871	981	934	877
						INJURED					
Virginia	Driver	48,290	44,722	47,947	49,103	52,296	52,621	52,914	52,860	53,042	53,629
	Passenger	24,697	23,136	25,293	25,582	26,627	26,528	26,224	25,861	25,157	24,588
	Pedestrian	2,220	1,869	1,986	2,054	2,101	2,083	2,109	2,059	2,004	2,068
	Pedalcyclist	1,229	1,172	1,108	1,113	1,122	1,168	1,116	1,082	1,018	919
	Total	76,436	70,899	76,334	77,852	82,146	82,400	82,363	81,862	81,221	81,204
						KILLED					
Washington	Driver	493	414	381	383	378	386	434	*	*	*
	Passenger	237	184	178	190	162	180	172	*	*	*
	Pedestrian	81	79	81	80	85	75	90	*	*	*
	Pedalcyclist	14	5	9	8	14	13	14	*	*	*
	Unknown	0	1	2	0	0	0	2	*	*	*
	Total	825	683	651	661	639	654	712	*	*	*
						INJURED					
Washington	Driver	49,222	46,827	48,972	49,669	52,966	54,824	54,492	*	*	*
	Passenger	23,596	21,769	23,344	23,390	24,900	25,771	25,736	*	*	*
	Pedestrian	1,861	1,911	1,809	1,813	1,916	1,948	1,978	*	*	*
	Pedalcyclist	1,349	1,463	1,622	1,430	1,607	1,656	1,544	*	*	*
	Unknown	35	32	54	23	30	34	30	*	*	*
	Total	76,063	72,002	75,801	76,325	81,419	84,233	83,780	*	*	*

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 11: Persons Killed or Injured in Motor Vehicle Crashes by Sex

STATE	SEX	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED					
California	Male	3,680	3,305	2,929	2,918	2,883	2,830	2,680	2,442	2,343	2,433
	Female	1,477	1,327	1,245	1,231	1,314	1,325	1,285	1,223	1,109	1,117
	Unknown	14	17	11	14	15	10	7	6	7	9
	Total	5,171	4,649	4,185	4,163	4,212	4,165	3,972	3,671	3,459	3,559
Florida	Male	1,712	1,422	1,324	1,534	1,529	1,591	1,548	1,567	1,617	1,654
	Female	567	480	529	514	523	587	563	588	609	550
	Unknown	672	620	627	671	670	669	695	656	663	716
	Total	2,951	2,522	2,480	2,719	2,722	2,847	2,806	2,811	2,889	2,920
Georgia	Male	1,022	926	869	933	979	970	1,052	1,043	994	*
	Female	539	466	442	466	457	522	530	541	543	*
	Unknown	0	1	1	0	0	0	0	0	0	*
	Total	1,561	1,393	1,312	1,399	1,436	1,492	1,582	1,584	1,537	*
Illinois	Male	1,073	996	952	946	1,065	1,076	533	934	950	965
	Female	517	451	432	446	489	510	278	463	444	492
	Total	1,590	1,447	1,384	1,392	1,554	1,586	811	1,397	1,394	1,457
Indiana	Male	697	713	599	587	628	626	645	652	633	676
	Female	340	307	303	295	347	329	340	286	341	343
	Unknown	7	2	3	9	2	4	1	2	8	4
	Total	1,044	1,022	905	891	977	959	986	940	982	1,023
Kansas	Male	302	279	262	279	299	290	317	310	322	353
	Female	142	130	124	149	143	152	172	171	170	186
	Unknown	0	0	1	0	0	0	1	0	1	1
	Total	444	409	387	428	442	442	490	481	493	540
Maryland	Male	539	469	449	481	443	453	418	384	411	405
	Female	188	240	215	191	214	230	196	224	195	193
	Unknown	0	0	0	0	0	0	0	1	0	0
	Total	727	709	664	672	657	683	614	609	606	598
Michigan	Male	1,067	932	829	895	905	940	926	882	874	887
	Female	501	493	422	483	468	555	535	527	467	476
	Unknown	0	0	36	26	34	36	31	27	25	22
	Total	1,568	1,425	1,287	1,404	1,407	1,531	1,492	1,436	1,366	1,385
Missouri	Male	769	684	633	636	722	770	763	769	773	721
	Female	328	327	352	318	367	339	385	423	396	373
	Total	1,097	1,011	985	954	1,089	1,109	1,148	1,192	1,169	1,094

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 11: Persons Killed or Injured in Motor Vehicle Crashes by Sex

STATE	SEX	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
					KILLED (Continued)						
New Mexico	Male	344	350	321	305	296	338	327	314	253	297
	Female	155	119	137	125	148	146	152	168	171	163
	Unknown	0	0	1	0	0	0	0	0	0	0
	Total	499	469	459	430	444	484	479	482	424	460
North Carolina	Male	*	*	889	952	899	974	982	934	1,064	1,026
	Female	*	*	373	418	517	466	494	527	515	476
	Unknown	*	*	0	6	5	1	1	0	3	4
	Total	*	*	1,262	1,376	1,421	1,441	1,477	1,461	1,582	1,506
Ohio	Male	1,109	1,148	949	993	865	912	909	969	938	984
	Female	527	488	491	486	500	445	486	470	485	446
	Unknown	0	0	0	0	3	0	0	0	0	0
	Total	1,636	1,636	1,440	1,479	1,368	1,357	1,395	1,439	1,423	1,430
Pennsylvania	Male	1,139	1,126	1,043	1,035	987	964	1,005	1,044	1,016	1,001
	Female	507	535	502	495	453	516	465	517	470	548
	Unknown	0	0	0	0	0	0	0	1	0	0
	Total	1,646	1,661	1,545	1,530	1,440	1,480	1,470	1,562	1,486	1,549
Texas	Male	2,316	2,132	2,146	2,086	2,174	2,180	2,485	2,308	2,390	2,359
	Female	922	946	908	948	968	991	1,249	1,191	1,186	1,157
	Unknown	5	1	3	3	0	1	4	1	0	3
	Total	3,243	3,079	3,057	3,037	3,142	3,172	3,738	3,500	3,576	3,519
Utah	Male	174	168	164	204	236	221	217	215	215	233
	Female	98	103	105	100	107	104	111	152	135	127
	Total	272	271	269	304	343	325	328	367	350	360
Virginia	Male	732	637	588	589	603	600	587	655	615	614
	Female	337	296	251	283	322	297	280	320	317	260
	Unknown	2	5	0	3	0	3	4	6	2	3
	Total	1,071	938	839	875	925	900	871	981	934	877
Washington	Male	589	475	440	453	439	437	483	*	*	*
	Female	236	208	211	205	200	216	229	*	*	*
	Unknown	0	0	0	3	0	1	0	*	*	*
	Total	825	683	651	661	639	654	712	*	*	*

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 11: Persons Killed or Injured in Motor Vehicle Crashes by Sex

STATE	SEX	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURED					
California	Male	196,869	187,840	178,583	163,508	161,955	154,941	150,141	141,416	143,054	141,941
	Female	167,588	161,045	158,707	150,887	153,482	149,052	149,148	142,784	147,010	146,262
	Unknown	1,263	1,183	864	789	1,004	948	817	671	634	524
	Total	365,720	350,068	338,154	315,184	316,441	304,941	300,106	284,871	290,698	288,727
Florida	Male	80,865	73,228	76,300	79,430	83,367	86,644	90,528	88,634	89,291	85,931
	Female	60,631	56,713	60,273	63,483	66,504	71,842	76,084	75,904	76,343	73,382
	Unknown	72,708	65,180	68,858	69,584	73,587	75,414	76,708	75,463	76,229	72,912
	Total	214,204	195,121	205,431	212,497	223,458	233,900	243,320	240,001	241,863	232,225
Georgia	Male	48,543	47,215	49,317	52,600	64,152	65,838	67,108	65,053	59,124	*
	Female	50,126	49,471	53,434	56,547	71,193	73,979	75,733	74,327	68,204	*
	Unknown	1	3	5	0	0	0	0	0	378	*
	Total	98,670	96,689	102,756	109,147	135,345	139,817	142,841	139,380	127,706	*
Illinois	Male	80,262	74,889	77,609	78,553	72,076	70,685	31,632	63,641	50,817	49,923
	Female	76,620	70,531	76,909	77,106	69,773	70,038	33,832	66,269	56,225	54,085
	Unknown	195	181	151	1	10,237	10,919	1	17	10	13
	Total	157,077	145,601	154,669	155,660	152,086	151,642	65,465	129,927	107,052	104,021
Indiana	Male	34,959	32,441	33,481	34,995	35,975	37,050	35,900	35,668	35,859	34,267
	Female	35,270	32,976	35,085	36,837	37,472	39,325	38,313	39,448	38,471	36,468
	Unknown	2,236	1,802	5,639	5,903	6,886	6,549	5,492	5,362	5,191	4,996
	Total	72,465	67,219	74,205	77,735	80,333	82,924	79,705	80,478	79,521	75,731
Kansas	Male	15,179	14,347	14,475	14,475	14,689	14,568	15,004	15,093	14,727	14,607
	Female	15,042	14,252	15,526	15,626	15,780	15,938	16,282	16,544	16,408	15,867
	Unknown	31	42	41	39	42	44	56	58	71	54
	Total	30,252	28,641	30,042	30,140	30,511	30,550	31,342	31,695	31,206	30,528
Maryland	Male	42,067	38,563	41,461	32,467	36,070	34,483	34,211	32,304	29,396	29,282
	Female	39,059	35,826	39,146	31,144	35,169	34,572	34,869	33,196	31,138	30,822
	Unknown	0	0	0	64	83	73	62	53	62	49
	Total	81,126	74,389	80,607	63,675	71,322	69,128	69,142	65,553	60,596	60,153
Michigan	Male	71,004	65,943	54,906	62,250	65,657	66,666	64,495	62,283	59,649	57,073
	Female	74,329	69,886	59,620	67,554	71,211	73,813	72,784	70,607	67,467	63,534
	Unknown	0	0	2,808	3,562	4,320	4,679	4,094	3,574	3,454	3,115
	Total	145,333	135,829	117,334	133,366	141,188	145,158	141,373	136,464	130,570	123,722
Missouri	Male	36,238	33,759	34,771	37,259	39,303	39,129	39,514	38,765	38,093	37,776
	Female	36,164	33,866	35,716	40,211	41,657	41,911	43,040	42,734	41,594	40,420
	Unknown	89	73	63	61	83	77	142	69	72	108
	Total	72,491	67,698	70,550	77,531	81,043	81,117	82,696	81,568	79,759	78,304

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 11: Persons Killed or Injured in Motor Vehicle Crashes by Sex

STATE	SEX	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
					INJURED (Continued)						
New Mexico	Male	12,716	12,589	13,419	13,639	14,317	14,709	14,981	13,958	12,998	11,181
	Female	12,093	12,349	13,676	14,219	15,456	16,098	16,245	15,635	15,044	12,997
	Unknown	30	29	26	51	50	63	37	48	53	62
	Total	24,839	24,967	27,121	27,909	29,823	30,870	31,263	29,641	28,095	24,240
North Carolina	Male	*	*	60,288	63,202	67,117	70,653	72,837	73,399	71,626	73,008
	Female	*	*	63,303	67,243	72,650	78,100	78,980	80,199	79,499	79,737
	Unknown	*	*	200	200	203	249	268	279	304	264
	Total	*	*	123,791	130,645	139,970	149,002	152,085	153,877	151,429	153,009
Ohio	Male	107,867	98,945	101,731	103,022	103,749	108,231	111,169	108,725	103,174	100,980
	Female	99,484	92,962	97,162	100,356	102,933	107,389	110,703	109,068	105,905	101,737
	Unknown	5,381	4,996	4,742	2,833	2,430	2,104	2,174	2,584	2,126	2,339
	Total	212,732	196,903	203,635	206,211	209,112	217,724	224,046	220,377	211,205	205,056
Pennsylvania	Male	74,233	67,466	67,853	66,655	66,267	67,095	68,591	68,763	66,512	66,812
	Female	67,160	61,642	63,942	63,735	63,465	65,254	67,322	69,149	66,489	65,944
	Unknown	1,564	1,338	1,555	1,247	957	863	1,062	1,230	1,360	1,029
	Total	142,957	130,446	133,350	131,637	130,689	133,212	136,975	139,142	134,361	133,785
Texas	Male	130,696	130,401	137,608	145,012	157,538	160,250	167,711	163,609	158,391	158,363
	Female	131,041	132,310	143,691	153,003	168,327	172,993	181,741	181,690	179,172	180,082
	Unknown	826	719	726	876	972	1,016	943	998	1,098	1,003
	Total	262,563	263,430	282,025	298,891	326,837	334,259	350,395	346,297	338,661	339,448
Utah	Male	10,687	10,147	11,595	12,263	13,083	13,284	14,480	14,405	14,146	14,070
	Female	11,404	10,797	12,509	13,479	14,963	15,035	16,153	16,736	15,976	15,743
	Unknown	52	15	20	18	26	24	82	96	110	146
	Total	22,143	20,959	24,124	25,760	28,072	28,343	30,715	31,237	30,232	29,959
Virginia	Male	38,626	35,382	36,943	37,692	39,682	39,371	39,134	38,687	37,989	38,146
	Female	37,556	35,315	39,184	39,845	42,025	42,634	42,818	42,707	42,652	42,746
	Unknown	254	202	207	315	439	395	411	468	580	312
	Total	76,436	70,899	76,334	77,852	82,146	82,400	82,363	81,862	81,221	81,204
Washington	Male	37,726	35,695	37,476	37,011	39,174	40,732	38,212	*	*	*
	Female	37,729	35,829	38,019	38,949	41,928	43,219	45,315	*	*	*
	Unknown	608	478	306	365	317	282	253	*	*	*
	Total	76,063	72,002	75,801	76,325	81,419	84,233	83,780	*	*	*

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 12: Persons Killed or Injured in Motor Vehicle Crashes by Person Type and Sex

STATE	TYPE – SEX	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED					
California	Driver – Male	2,156	1,872	1,654	1,569	1,614	1,523	1,496	1,314	1,255	1,354
	Driver – Female	578	485	479	472	472	514	499	458	425	440
	Passenger – Male	700	704	630	624	566	621	533	518	513	492
	Passenger – Female	573	560	515	488	572	523	514	479	453	455
	Pedestrian – Male	693	618	538	607	592	561	545	507	482	478
	Pedestrian – Female	309	271	234	255	261	273	250	275	216	210
	Pedalcyclist – Male	120	110	105	118	111	125	106	102	92	107
	Pedalcyclist – Female	11	5	17	13	9	14	19	11	15	10
	Unknown	31	24	13	17	15	11	10	7	8	13
	Total	5,171	4,649	4,185	4,163	4,212	4,165	3,972	3,671	3,459	3,559
						INJURED					
California	Driver – Male	119,772	112,958	107,314	98,391	98,632	93,952	91,018	85,268	87,099	87,406
	Driver – Female	86,539	82,281	81,881	78,463	81,728	80,522	81,101	78,444	81,665	82,276
	Passenger – Male	52,569	51,300	48,878	44,083	43,042	41,009	39,887	36,859	37,810	36,394
	Passenger – Female	70,413	68,707	67,175	62,740	62,414	59,471	58,833	55,360	56,730	55,562
	Pedestrian – Male	10,977	10,432	9,895	9,640	9,612	9,504	9,192	8,609	8,387	8,174
	Pedestrian – Female	7,427	6,932	6,583	6,865	6,677	6,498	6,815	6,378	6,270	6,168
	Pedalcyclist – Male	13,465	13,062	12,418	11,315	10,607	10,437	9,998	10,633	9,688	9,885
	Pedalcyclist – Female	3,137	3,042	2,998	2,743	2,586	2,519	2,359	2,551	2,280	2,188
	Unknown	1,421	1,354	1,012	944	1,143	1,029	903	769	769	674
	Total	365,720	350,068	338,154	315,184	316,441	304,941	300,106	284,871	290,698	288,727
						KILLED					
Florida	Driver – Male	1,178	960	901	1,063	1,060	1,075	1,071	1,065	1,136	1,192
	Driver – Female	362	320	354	361	341	402	376	443	448	398
	Passenger – Male	0	0	0	0	0	0	0	0	0	0
	Passenger – Female	0	0	0	0	0	0	0	0	0	0
	Pedestrian – Male	405	361	329	360	363	397	385	396	392	364
	Pedestrian – Female	191	145	162	141	165	167	174	137	155	136
	Pedalcyclist – Male	129	101	94	111	106	119	92	106	89	98
	Pedalcyclist – Female	14	15	13	12	17	18	13	8	6	16
	Unknown	672	620	627	671	670	669	695	656	663	716
	Total	2,951	2,522	2,480	2,719	2,722	2,847	2,806	2,811	2,889	2,920

The "Unknown" category includes persons of unknown person type and/or unknown sex.

Florida does not record the sex of passengers in its PAR.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 12: Persons Killed or Injured in Motor Vehicle Crashes by Person Type and Sex

STATE	TYPE – SEX	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURED					
Florida	Driver – Male	70,447	63,013	65,642	68,963	72,785	76,298	80,487	79,286	80,266	77,563
	Driver – Female	56,157	52,057	55,643	58,874	61,822	67,398	71,665	71,767	72,197	69,492
	Passenger – Male	0	0	0	0	0	0	0	0	0	0
	Passenger – Female	0	0	0	0	0	0	0	0	0	0
	Pedestrian – Male	5,106	4,830	4,943	4,950	5,168	5,021	4,977	4,802	4,991	4,621
	Pedestrian – Female	2,999	3,149	3,072	3,137	3,139	3,012	3,071	2,988	3,071	2,907
	Pedalcyclist – Male	5,312	5,385	5,715	5,517	5,414	5,325	5,064	4,546	4,034	3,747
	Pedalcyclist – Female	1,475	1,507	1,558	1,472	1,543	1,432	1,348	1,149	1,075	983
	Unknown	72,708	65,180	68,858	69,584	73,587	75,414	76,708	75,463	76,229	72,912
	Total	214,204	195,121	205,431	212,497	223,458	233,900	243,320	240,001	241,863	232,225
						KILLED					
Georgia	Driver – Male	669	606	567	574	647	635	698	676	656	*
	Driver – Female	285	231	219	239	251	281	268	299	324	*
	Passenger – Male	215	185	168	192	185	193	221	212	200	*
	Passenger – Female	204	188	167	185	168	195	218	191	175	*
	Pedestrian – Male	128	118	119	152	131	127	120	140	122	*
	Pedestrian – Female	49	43	54	36	35	42	42	48	40	*
	Pedalcyclist – Male	10	16	15	15	16	15	13	15	16	*
	Pedalcyclist – Female	0	4	2	6	3	4	2	3	4	*
	Unknown	1	2	1	0	0	0	0	0	0	*
	Total	1,561	1,393	1,312	1,399	1,436	1,492	1,582	1,584	1,537	*
						INJURED					
Georgia	Driver – Male	32,640	31,110	32,723	34,917	41,490	42,953	43,717	42,721	39,720	*
	Driver – Female	30,112	29,478	32,137	33,904	41,598	43,920	45,349	45,364	42,729	*
	Passenger – Male	13,569	13,773	14,200	15,372	20,392	20,599	20,850	19,896	17,631	*
	Passenger – Female	19,015	19,051	20,283	21,596	28,638	29,029	29,317	27,835	24,702	*
	Pedestrian – Male	1,558	1,528	1,577	1,508	1,466	1,457	1,629	1,603	1,138	*
	Pedestrian – Female	780	763	812	868	804	869	902	962	638	*
	Pedalcyclist – Male	724	781	782	794	804	829	912	833	635	*
	Pedalcyclist – Female	138	151	158	169	153	161	165	166	134	*
	Unknown	134	54	84	19	0	0	0	0	379	*
	Total	98,670	96,689	102,756	109,147	135,345	139,817	142,841	139,380	127,706	*

**Data not available.*

The "Unknown" category includes persons of unknown person type and/or unknown sex.

Florida does not record the sex of passengers in its PAR.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 12: Persons Killed or Injured in Motor Vehicle Crashes by Person Type and Sex

STATE	TYPE – SEX	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED					
Illinois	Driver – Male	702	653	625	593	712	679	357	605	619	681
	Driver – Female	209	218	208	199	232	247	125	215	201	218
	Passenger – Male	173	170	170	186	168	227	96	162	173	152
	Passenger – Female	204	156	165	173	180	191	127	176	173	191
	Pedestrian – Male	176	150	133	144	166	149	70	133	124	106
	Pedestrian – Female	97	73	57	69	71	65	26	67	65	70
	Pedalcyclist – Male	22	23	22	23	19	20	9	31	30	24
	Pedalcyclist – Female	6	4	2	5	6	7	0	3	4	4
	Unknown	1	0	2	0	0	1	1	5	5	11
	Total	1,590	1,447	1,384	1,392	1,554	1,586	811	1,397	1,394	1,457
						INJURED					
Illinois	Driver – Male	51,323	48,013	48,944	50,564	50,259	49,665	22,965	43,047	35,499	35,676
	Driver – Female	42,821	39,876	42,640	42,891	43,143	43,635	21,105	40,660	35,585	35,139
	Passenger – Male	19,536	17,528	19,780	20,178	15,458	15,463	7,588	15,668	12,389	11,467
	Passenger – Female	28,946	25,965	29,681	30,063	23,292	23,461	12,189	22,935	19,206	17,549
	Pedestrian – Male	6,185	5,905	5,621	4,974	3,798	3,300	620	3,044	1,478	1,404
	Pedestrian – Female	3,955	3,697	3,686	3,308	2,622	2,250	417	2,119	996	913
	Pedalcyclist – Male	3,204	3,416	3,239	2,831	2,554	2,249	456	1,869	1,447	1,350
	Pedalcyclist – Female	879	972	877	829	715	689	117	553	433	435
	Unknown	228	229	201	22	10,245	10,930	8	32	19	88
	Total	157,077	145,601	154,669	155,660	152,086	151,642	65,465	129,927	107,052	104,021
						KILLED					
Indiana	Driver – Male	492	517	427	427	453	442	461	448	472	499
	Driver – Female	171	148	148	165	178	168	182	165	187	194
	Passenger – Male	131	123	104	112	112	127	129	139	100	121
	Passenger – Female	130	125	131	108	136	128	129	100	130	126
	Pedestrian – Male	62	56	54	41	51	48	49	56	50	44
	Pedestrian – Female	36	31	20	21	33	28	29	19	22	21
	Pedalcyclist – Male	12	17	14	7	12	9	6	9	11	12
	Pedalcyclist – Female	3	3	4	1	0	5	0	2	2	2
	Unknown	7	2	3	9	2	4	1	2	8	4
	Total	1,044	1,022	905	891	977	959	986	940	982	1,023

The "Unknown" category includes persons of unknown person type and/or unknown sex.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 12: Persons Killed or Injured in Motor Vehicle Crashes by Person Type and Sex

STATE	TYPE – SEX	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURED					
Indiana	Driver – Male	23,899	22,348	23,000	24,042	24,920	25,437	24,972	24,571	25,067	24,004
	Driver – Female	20,502	19,187	20,853	21,794	22,456	23,531	23,274	24,234	23,652	22,583
	Passenger – Male	8,621	7,823	8,172	8,722	8,844	9,395	8,889	9,092	8,711	8,264
	Passenger – Female	13,510	12,634	13,061	13,868	13,877	14,640	13,901	14,098	13,750	12,812
	Pedestrian – Male	1,381	1,258	1,268	1,220	1,214	1,271	1,183	1,180	1,136	1,167
	Pedestrian – Female	913	834	880	855	832	878	885	852	801	805
	Pedalcyclist – Male	1,058	1,012	1,041	1,011	997	947	856	825	945	832
	Pedalcyclist – Female	345	321	291	320	307	276	253	264	268	268
	Unknown	2,236	1,802	5,639	5,903	6,886	6,549	5,492	5,362	5,191	4,996
	Total	72,465	67,219	74,205	77,735	80,333	82,924	79,705	80,478	79,521	75,731
						KILLED					
Kansas	Driver – Male	216	198	194	217	215	209	239	227	226	238
	Driver – Female	67	58	64	73	77	84	100	95	110	101
	Passenger – Male	60	61	57	40	69	50	62	58	64	86
	Passenger – Female	61	65	49	67	58	53	66	64	50	74
	Pedestrian – Male	22	14	9	20	14	25	15	18	24	22
	Pedestrian – Female	12	6	11	6	8	14	5	10	9	11
	Pedalcyclist – Male	4	6	2	2	1	5	1	7	6	7
	Pedalcyclist – Female	2	1	0	2	0	1	1	2	1	0
	Unknown	0	0	1	1	0	1	1	0	3	1
	Total	444	409	387	428	442	442	490	481	493	540
						INJURED					
Kansas	Driver – Male	10,144	9,602	9,612	9,771	9,774	9,853	10,045	10,207	10,057	10,026
	Driver – Female	8,787	8,412	9,203	9,302	9,535	9,714	9,997	10,105	10,018	9,774
	Passenger – Male	4,226	3,906	4,057	3,933	4,132	3,939	4,221	4,184	4,054	3,947
	Passenger – Female	5,852	5,478	5,901	5,935	5,858	5,824	5,908	6,100	6,056	5,785
	Pedestrian – Male	426	431	430	424	413	397	435	368	350	326
	Pedestrian – Female	276	257	283	272	252	297	283	217	215	216
	Pedalcyclist – Male	367	376	348	329	355	366	290	309	251	297
	Pedalcyclist – Female	113	81	114	108	120	92	84	109	98	87
	Unknown	61	98	94	66	72	68	79	96	107	70
	Total	30,252	28,641	30,042	30,140	30,511	30,550	31,342	31,695	31,206	30,528

The "Unknown" category includes persons of unknown person type and/or unknown sex.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 12: Persons Killed or Injured in Motor Vehicle Crashes by Person Type and Sex

STATE	TYPE – SEX	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED					
Maryland	Driver – Male	318	278	299	274	265	286	245	234	249	268
	Driver – Female	86	105	91	93	89	99	95	110	84	95
	Passenger – Male	103	76	74	97	79	69	71	64	86	50
	Passenger – Female	70	98	86	68	79	89	72	79	74	60
	Pedestrian – Male	103	106	62	93	85	88	95	71	67	82
	Pedestrian – Female	32	36	36	30	38	40	28	33	34	37
	Pedalcyclist – Male	15	9	14	14	9	8	6	13	9	5
	Pedalcyclist – Female	0	1	2	0	6	0	1	2	2	1
	Unknown	0	0	0	3	7	4	1	3	1	0
	Total	727	709	664	672	657	683	614	609	606	598
						INJURED					
Maryland	Driver – Male	27,370	24,835	26,658	21,113	23,609	22,643	22,413	21,000	19,225	19,278
	Driver – Female	21,883	19,950	21,948	18,103	20,463	20,269	20,613	19,713	18,806	18,792
	Passenger – Male	11,365	10,458	11,687	8,998	9,491	8,984	8,938	8,533	7,569	7,477
	Passenger – Female	15,725	14,429	15,736	11,759	13,131	12,731	12,605	11,957	10,878	10,537
	Pedestrian – Male	2,257	2,181	2,137	1,510	1,905	1,789	1,811	1,688	1,616	1,594
	Pedestrian – Female	1,290	1,251	1,303	1,032	1,239	1,227	1,313	1,184	1,130	1,187
	Pedalcyclist – Male	1,075	1,089	979	681	892	842	863	875	789	753
	Pedalcyclist – Female	161	196	159	116	169	163	168	172	151	157
	Unknown	0	0	0	363	423	480	418	431	432	378
	Total	81,126	74,389	80,607	63,675	71,322	69,128	69,142	65,553	60,596	60,153
						KILLED					
Michigan	Driver – Male	705	597	520	592	591	626	601	574	573	589
	Driver – Female	252	247	194	252	236	280	276	256	253	257
	Passenger – Male	176	179	154	162	166	159	168	167	164	143
	Passenger – Female	182	178	156	165	167	205	187	216	151	169
	Pedestrian – Male	163	117	101	111	116	122	120	108	110	127
	Pedestrian – Female	63	63	56	53	59	60	61	48	54	44
	Pedalcyclist – Male	21	36	23	20	25	20	24	25	25	21
	Pedalcyclist – Female	4	4	6	6	4	6	6	3	2	4
	Unknown	2	4	77	43	43	53	49	39	34	31
	Total	1,568	1,425	1,287	1,404	1,407	1,531	1,492	1,436	1,366	1,385

The "Unknown" category includes persons of unknown person type and/or unknown sex.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 12: Persons Killed or Injured in Motor Vehicle Crashes by Person Type and Sex

STATE	TYPE – SEX	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURED					
Michigan	Driver – Male	49,016	45,050	37,737	44,618	46,999	47,807	46,170	44,902	43,069	41,563
	Driver – Female	45,145	42,417	37,245	42,923	45,602	47,967	48,150	46,617	44,549	42,491
	Passenger – Male	17,136	16,066	11,424	13,277	13,900	14,364	14,040	13,244	12,399	11,692
	Passenger – Female	26,670	25,093	18,222	21,500	22,567	23,125	21,969	21,569	20,377	18,742
	Pedestrian – Male	2,513	2,297	1,234	1,590	2,008	2,010	1,901	1,865	1,900	1,726
	Pedestrian – Female	1,526	1,385	756	1,085	1,329	1,279	1,304	1,167	1,245	1,218
	Pedalcyclist – Male	2,101	2,285	1,508	1,591	1,940	1,886	1,822	1,709	1,816	1,644
	Pedalcyclist – Female	771	777	522	517	689	634	607	557	613	514
	Unknown	455	459	8,686	6,265	6,154	6,086	5,410	4,834	4,602	4,132
	Total	145,333	135,829	117,334	133,366	141,188	145,158	141,373	136,464	130,570	123,722
						KILLED					
Missouri	Driver – Male	501	509	463	424	510	519	532	553	522	526
	Driver – Female	151	174	185	165	190	178	222	222	209	204
	Passenger – Male	189	122	109	123	146	175	157	143	179	144
	Passenger – Female	141	128	134	131	150	133	135	167	149	148
	Pedestrian – Male	67	48	55	81	60	67	70	68	63	46
	Pedestrian – Female	34	25	32	22	26	27	27	33	38	19
	Pedalcyclist – Male	12	5	6	8	6	9	4	5	9	5
	Pedalcyclist – Female	2	0	1	0	1	1	1	1	0	2
	Unknown	0	0	0	0	0	0	0	0	0	0
	Total	1,097	1,011	985	954	1,089	1,109	1,148	1,192	1,169	1,094
						INJURED					
Missouri	Driver – Male	24,346	22,485	23,204	24,530	25,681	25,878	26,093	25,663	25,342	25,243
	Driver – Female	20,613	19,503	20,662	22,647	23,658	24,390	25,231	25,112	24,610	24,104
	Passenger – Male	9,740	9,245	9,542	10,758	11,545	11,427	11,568	11,285	10,934	10,837
	Passenger – Female	14,568	13,480	14,095	16,664	17,132	16,600	16,935	16,738	16,113	15,444
	Pedestrian – Male	1,386	1,311	1,254	1,296	1,292	1,142	1,167	1,149	1,161	1,104
	Pedestrian – Female	801	749	775	749	724	754	737	737	727	732
	Pedalcyclist – Male	766	718	771	675	785	682	686	668	656	592
	Pedalcyclist – Female	182	134	184	151	143	167	137	147	144	140
	Unknown	89	73	63	61	83	77	142	69	72	108
	Total	72,491	67,698	70,550	77,531	81,043	81,117	82,696	81,568	79,759	78,304

The "Unknown" category includes persons of unknown person type and/or unknown sex.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 12: Persons Killed or Injured in Motor Vehicle Crashes by Person Type and Sex

STATE	TYPE – SEX	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED					
New Mexico	Driver – Male	199	193	173	182	161	190	175	173	155	167
	Driver – Female	54	51	56	53	68	55	59	64	59	69
	Passenger – Male	75	77	74	65	73	79	88	76	55	81
	Passenger – Female	83	53	65	58	62	66	75	83	93	74
	Pedestrian – Male	66	76	73	55	54	64	50	51	40	36
	Pedestrian – Female	17	15	16	12	18	24	12	15	18	16
	Pedalcyclist – Male	4	4	1	3	8	5	2	4	3	8
	Pedalcyclist – Female	1	0	0	2	0	1	0	1	0	2
	Unknown	0	0	1	0	0	0	18	15	1	7
	Total	499	469	459	430	444	484	479	482	424	460
						INJURED					
New Mexico	Driver – Male	8,377	8,276	8,708	8,922	9,250	9,708	9,829	9,176	8,615	7,474
	Driver – Female	6,781	6,853	7,702	8,125	8,931	9,410	9,618	9,166	8,955	7,850
	Passenger – Male	3,668	3,642	3,959	3,976	4,330	4,270	4,421	4,015	3,767	3,213
	Passenger – Female	5,033	5,224	5,699	5,809	6,259	6,407	6,367	6,138	5,798	4,888
	Pedestrian – Male	389	354	408	393	403	384	381	365	288	248
	Pedestrian – Female	205	203	189	211	195	188	180	198	174	165
	Pedalcyclist – Male	282	317	344	348	334	347	317	290	267	198
	Pedalcyclist – Female	74	69	86	74	71	93	65	63	67	46
	Unknown	30	29	26	51	50	63	85	230	164	158
	Total	24,839	24,967	27,121	27,909	29,823	30,870	31,263	29,641	28,095	24,240
						KILLED					
North Carolina	Driver – Male	*	*	544	633	591	599	651	591	709	697
	Driver – Female	*	*	186	211	245	247	235	283	274	264
	Passenger – Male	*	*	186	162	158	192	171	190	179	177
	Passenger – Female	*	*	146	154	210	169	211	185	177	176
	Pedestrian – Male	*	*	139	128	127	153	131	125	139	129
	Pedestrian – Female	*	*	39	51	58	45	41	56	61	32
	Pedalcyclist – Male	*	*	20	29	23	30	29	28	37	23
	Pedalcyclist – Female	*	*	2	2	4	5	7	3	3	4
	Unknown	*	*	0	6	5	1	1	0	3	4
	Total	*	*	1,262	1,376	1,421	1,441	1,477	1,461	1,582	1,506

**Data not available.*

The "Unknown" category includes persons of unknown person type and/or unknown sex.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 12: Persons Killed or Injured in Motor Vehicle Crashes by Person Type and Sex

STATE	TYPE – SEX	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURED					
North Carolina	Driver – Male	*	*	40,187	42,031	44,684	46,933	48,449	49,058	48,143	49,221
	Driver – Female	*	*	38,890	41,077	44,997	48,534	49,233	50,695	50,527	50,987
	Passenger – Male	*	*	17,626	18,630	19,826	21,182	21,892	21,860	21,122	21,617
	Passenger – Female	*	*	23,468	25,118	26,615	28,484	28,720	28,488	27,924	27,798
	Pedestrian – Male	*	*	1,427	1,519	1,536	1,447	1,506	1,481	1,448	1,253
	Pedestrian – Female	*	*	759	826	874	850	842	849	868	775
	Pedalcyclist – Male	*	*	1,048	1,022	1,071	1,091	990	1,000	913	917
	Pedalcyclist – Female	*	*	186	222	164	232	185	167	180	177
	Unknown	*	*	200	200	203	249	268	279	304	264
	Total	*	*	123,791	130,645	139,970	149,002	152,085	153,877	151,429	153,009
						KILLED					
Ohio	Driver – Male	754	786	662	681	610	657	654	701	671	701
	Driver – Female	273	257	244	240	243	223	258	241	251	243
	Passenger – Male	200	211	177	202	160	166	163	174	172	186
	Passenger – Female	186	182	187	184	211	175	182	175	176	159
	Pedestrian – Male	131	126	94	96	83	75	79	79	86	84
	Pedestrian – Female	65	44	57	61	44	42	43	48	51	39
	Pedalcyclist – Male	24	25	16	14	12	14	13	15	9	13
	Pedalcyclist – Female	3	5	3	1	2	5	3	6	7	5
	Unknown	0	0	0	0	3	0	0	0	0	0
	Total	1,636	1,636	1,440	1,479	1,368	1,357	1,395	1,439	1,423	1,430
						INJURED					
Ohio	Driver – Male	76,989	70,254	72,752	73,323	73,725	77,040	78,565	77,060	72,930	72,071
	Driver – Female	60,544	57,075	60,328	62,221	63,972	67,145	70,002	68,948	67,345	64,863
	Passenger – Male	25,955	23,924	24,233	25,075	25,479	26,684	27,997	27,281	26,060	25,030
	Passenger – Female	36,517	33,526	34,574	35,835	36,587	38,009	38,370	37,910	36,342	34,983
	Pedestrian – Male	2,867	2,578	2,712	2,560	2,498	2,431	2,559	2,384	2,220	2,046
	Pedestrian – Female	1,853	1,700	1,672	1,726	1,722	1,634	1,747	1,623	1,578	1,380
	Pedalcyclist – Male	2,056	2,189	2,034	2,064	2,047	2,076	2,048	2,000	1,964	1,833
	Pedalcyclist – Female	570	661	588	574	652	601	584	587	640	511
	Unknown	5,381	4,996	4,742	2,833	2,430	2,104	2,174	2,584	2,126	2,339
	Total	212,732	196,903	203,635	206,211	209,112	217,724	224,046	220,377	211,205	205,056

The "Unknown" category includes persons of unknown person type and/or unknown sex.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 12: Persons Killed or Injured in Motor Vehicle Crashes by Person Type and Sex

STATE	TYPE – SEX	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED					
Pennsylvania	Driver – Male	745	783	695	738	687	661	671	738	714	702
	Driver – Female	221	221	230	203	194	241	215	238	244	271
	Passenger – Male	201	188	191	151	177	153	170	181	170	164
	Passenger – Female	185	217	186	201	184	208	170	212	169	207
	Pedestrian – Male	166	139	147	126	106	133	141	109	110	119
	Pedestrian – Female	101	95	84	88	73	65	77	66	56	68
	Pedalcyclist – Male	27	16	10	20	17	17	23	16	22	16
	Pedalcyclist – Female	0	2	2	3	2	2	3	1	1	2
	Unknown	0	0	0	0	0	0	0	1	0	0
	Total	1,646	1,661	1,545	1,530	1,440	1,480	1,470	1,562	1,486	1,549
						INJURED					
Pennsylvania	Driver – Male	49,617	45,161	44,939	44,474	44,150	44,596	46,324	46,201	44,942	45,411
	Driver – Female	36,626	33,680	35,510	35,505	35,274	36,869	38,627	40,038	38,959	38,759
	Passenger – Male	18,416	16,305	16,738	16,349	16,196	16,518	16,853	17,046	15,920	16,026
	Passenger – Female	27,463	25,009	25,330	25,276	25,229	25,413	25,807	26,065	24,530	24,330
	Pedestrian – Male	4,024	3,796	3,942	3,665	3,753	3,713	3,440	3,429	3,403	3,397
	Pedestrian – Female	2,649	2,475	2,657	2,494	2,512	2,498	2,460	2,605	2,482	2,451
	Pedalcyclist – Male	2,176	2,204	2,234	2,167	2,168	2,268	1,974	2,087	2,247	1,978
	Pedalcyclist – Female	422	478	445	460	450	474	428	441	518	404
	Unknown	1,564	1,338	1,555	1,247	957	863	1,062	1,230	1,360	1,029
	Total	142,957	130,446	133,350	131,637	130,689	133,212	136,975	139,142	134,361	133,785
						KILLED					
Texas	Driver – Male	1,405	1,226	1,248	1,281	1,342	1,322	1,552	1,418	1,498	1,517
	Driver – Female	433	414	401	429	465	460	576	593	580	569
	Passenger – Male	478	473	460	430	470	462	558	497	505	485
	Passenger – Female	374	389	376	380	372	408	524	478	464	457
	Pedestrian – Male	385	385	387	322	312	350	313	341	333	316
	Pedestrian – Female	105	128	127	130	116	111	134	104	132	116
	Pedalcyclist – Male	41	44	45	47	45	42	52	44	48	38
	Pedalcyclist – Female	6	11	2	5	10	10	8	10	9	6
	Unknown	16	9	11	13	10	7	21	15	7	15
	Total	3,243	3,079	3,057	3,037	3,142	3,172	3,738	3,500	3,576	3,519

The "Unknown" category includes persons of unknown person type and/or unknown sex.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 12: Persons Killed or Injured in Motor Vehicle Crashes by Person Type and Sex

STATE	TYPE – SEX	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURED					
Texas	Driver – Male	85,927	85,735	89,114	93,331	100,859	102,424	108,059	106,172	103,983	103,955
	Driver – Female	72,172	72,554	78,967	83,905	92,532	95,712	102,460	103,464	103,522	104,924
	Passenger – Male	38,158	38,499	42,005	45,458	50,200	51,520	53,419	51,287	48,567	48,951
	Passenger – Female	56,094	57,080	61,823	66,116	72,776	74,348	76,341	75,215	72,653	72,553
	Pedestrian – Male	3,756	3,471	3,583	3,503	3,525	3,398	3,403	3,408	3,276	3,000
	Pedestrian – Female	1,887	1,838	1,916	2,043	2,047	1,988	1,987	2,120	2,013	1,809
	Pedalcyclist – Male	2,372	2,262	2,396	2,224	2,463	2,400	2,296	2,280	2,087	2,006
	Pedalcyclist – Female	479	454	536	512	520	527	509	470	507	458
	Unknown	1,718	1,537	1,685	1,799	1,915	1,942	1,921	1,881	2,053	1,792
	Total	262,563	263,430	282,025	298,891	326,837	334,259	350,395	346,297	338,661	339,448
						KILLED					
Utah	Driver – Male	102	106	91	121	135	127	129	125	125	141
	Driver – Female	36	40	40	45	43	45	47	65	53	67
	Passenger – Male	42	41	34	47	65	53	56	62	55	64
	Passenger – Female	52	47	56	49	53	46	53	73	64	43
	Pedestrian – Male	23	17	34	28	32	35	25	26	29	21
	Pedestrian – Female	9	14	8	3	11	11	10	13	15	17
	Pedalcyclist – Male	7	3	5	8	4	6	7	2	6	7
	Pedalcyclist – Female	1	1	1	3	0	2	1	1	3	0
	Unknown	0	2	0	0	0	0	0	0	0	0
	Total	272	271	269	304	343	325	328	367	350	360
						INJURED					
Utah	Driver – Male	6,621	6,253	7,203	7,715	8,348	8,503	9,282	9,313	9,197	9,187
	Driver – Female	6,356	5,980	6,875	7,508	8,695	8,658	9,331	9,859	9,410	9,430
	Passenger – Male	3,019	2,923	3,281	3,494	3,578	3,811	4,022	3,966	3,855	3,854
	Passenger – Female	4,552	4,361	5,095	5,486	5,761	5,885	6,261	6,320	6,133	5,819
	Pedestrian – Male	562	438	509	520	550	397	577	521	461	436
	Pedestrian – Female	330	298	332	315	318	303	382	365	309	311
	Pedalcyclist – Male	469	521	601	532	598	558	592	604	633	593
	Pedalcyclist – Female	153	145	202	170	180	170	173	192	124	183
	Unknown	81	40	26	20	44	58	95	97	110	146
	Total	22,143	20,959	24,124	25,760	28,072	28,343	30,715	31,237	30,232	29,959

The "Unknown" category includes persons of unknown person type and/or unknown sex.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 12: Persons Killed or Injured in Motor Vehicle Crashes by Person Type and Sex

STATE	TYPE – SEX	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED					
Virginia	Driver – Male	461	409	387	372	388	406	376	449	428	419
	Driver – Female	182	141	118	144	147	151	140	169	162	151
	Passenger – Male	172	132	127	120	127	113	120	122	100	116
	Passenger – Female	120	120	101	110	144	117	107	125	123	92
	Pedestrian – Male	83	79	65	84	71	67	81	65	72	70
	Pedestrian – Female	33	33	28	28	30	26	33	25	30	16
	Pedalcyclist – Male	16	17	9	13	17	14	10	19	15	9
	Pedalcyclist – Female	2	2	4	1	1	3	0	1	2	1
	Unknown	2	5	0	3	0	3	4	6	2	3
	Total	1,071	938	839	875	925	900	871	981	934	877
						INJURED					
Virginia	Driver – Male	25,682	23,485	24,402	24,924	26,472	26,241	26,235	25,863	25,747	26,123
	Driver – Female	22,526	21,174	23,486	24,000	25,503	26,091	26,414	26,793	27,084	27,346
	Passenger – Male	10,657	9,904	10,426	10,688	11,066	10,950	10,793	10,925	10,492	10,166
	Passenger – Female	14,025	13,217	14,852	14,883	15,547	15,564	15,415	14,923	14,652	14,400
	Pedestrian – Male	1,391	1,130	1,292	1,275	1,295	1,266	1,302	1,205	1,205	1,205
	Pedestrian – Female	829	739	693	776	804	815	803	854	799	863
	Pedalcyclist – Male	896	863	823	805	849	914	804	694	545	652
	Pedalcyclist – Female	176	185	153	186	171	164	186	137	117	137
	Unknown	254	202	207	315	439	395	411	468	580	312
	Total	76,436	70,899	76,334	77,852	82,146	82,400	82,363	81,862	81,221	81,204

The "Unknown" category includes persons of unknown person type and/or unknown sex.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 12: Persons Killed or Injured in Motor Vehicle Crashes by Person Type and Sex

STATE	TYPE – SEX	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
					KILLED						
Washington	Driver – Male	390	320	288	289	287	281	318	*	*	*
	Driver – Female	103	94	93	91	91	104	116	*	*	*
	Passenger – Male	132	99	92	104	84	94	92	*	*	*
	Passenger – Female	105	85	86	86	78	86	80	*	*	*
	Pedestrian – Male	55	50	52	53	54	50	61	*	*	*
	Pedestrian – Female	26	29	29	27	31	25	29	*	*	*
	Pedalcyclist – Male	12	5	6	7	14	12	12	*	*	*
	Pedalcyclist – Female	2	0	3	1	0	1	2	*	*	*
	Unknown	0	1	2	3	0	1	2	*	*	*
	Total	825	683	651	661	639	654	712	*	*	*
					INJURED						
Washington	Driver – Male	26,153	24,587	25,643	25,547	26,902	27,811	25,682	*	*	*
	Driver – Female	22,700	21,962	23,180	23,940	25,899	26,870	28,686	*	*	*
	Passenger – Male	9,462	8,806	9,423	9,250	9,877	10,439	10,179	*	*	*
	Passenger – Female	13,906	12,778	13,782	13,961	14,879	15,204	15,439	*	*	*
	Pedestrian – Male	1,027	1,098	1,080	1,035	1,077	1,145	1,101	*	*	*
	Pedestrian – Female	827	805	718	775	834	795	870	*	*	*
	Pedalcyclist – Male	1,061	1,183	1,292	1,165	1,303	1,313	1,229	*	*	*
	Pedalcyclist – Female	284	273	323	264	301	340	311	*	*	*
	Unknown	643	510	360	388	347	316	283	*	*	*
	Total	76,063	72,002	75,801	76,325	81,419	84,233	83,780	*	*	*

**Data not available.*

The "Unknown" category includes persons of unknown person type and/or unknown sex.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 13: Passenger Car Occupants Killed or Injured in Motor Vehicle Crashes

STATE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
KILLED										
California	2,550	2,296	2,144	2,095	2,205	2,164	2,059	1,819	1,790	1,895
Florida	1,530	1,316	1,308	1,400	1,410	1,461	1,499	1,483	1,550	1,551
Georgia	907	824	774	809	821	836	888	848	793	*
Illinois	900	845	828	846	886	914	493	772	745	783
Indiana	635	606	555	556	590	589	640	575	585	598
Kansas	261	235	228	254	269	271	306	277	276	319
Maryland	426	401	398	380	373	388	347	343	346	310
Michigan	1,039	934	782	870	881	959	909	910	828	836
Missouri	672	666	603	547	642	598	650	681	640	603
New Mexico	193	175	183	164	181	189	202	184	173	154
North Carolina	*	*	804	839	861	825	911	906	941	865
Ohio	1,007	1,016	929	954	931	905	962	961	918	883
Pennsylvania	969	1,005	960	902	859	927	842	965	869	886
Texas	1,556	1,506	1,436	1,460	1,470	1,487	1,843	1,696	1,612	1,536
Utah	127	133	121	148	166	149	136	157	155	130
Virginia	672	577	503	552	569	548	531	609	524	501
Washington	465	389	345	365	337	363	356	*	*	*
INJURED										
California	243,529	234,336	229,675	212,957	216,239	206,534	203,730	191,412	198,638	196,545
Florida	154,100	140,207	147,189	151,842	159,508	167,301	173,813	170,271	170,039	161,335
Georgia	72,961	71,567	76,656	81,108	100,808	101,159	101,450	98,135	88,052	*
Illinois	116,348	106,249	114,084	115,926	92,732	90,256	48,675	92,497	75,470	71,159
Indiana	51,017	47,019	49,591	51,926	52,393	54,587	52,606	52,850	51,764	48,710
Kansas	21,487	19,927	21,364	21,122	21,356	21,502	21,722	22,055	21,662	21,366
Maryland	59,953	54,594	59,781	46,971	51,070	48,642	48,368	45,050	40,820	39,837
Michigan	116,993	109,561	86,480	99,421	104,841	107,983	104,776	100,114	94,374	88,209
Missouri	52,970	49,480	51,470	54,250	56,245	55,471	55,958	54,327	52,476	50,525
New Mexico	14,662	14,793	16,434	17,117	18,336	18,967	18,758	17,773	16,677	14,161
North Carolina	*	*	97,376	102,227	109,436	115,954	116,909	118,539	115,994	113,496
Ohio	168,229	153,112	160,565	162,309	163,046	169,633	173,403	170,420	162,201	156,152
Pennsylvania	105,839	95,068	97,156	94,702	91,670	94,015	95,020	95,974	92,648	90,415
Texas	177,878	177,783	189,083	199,642	216,739	217,556	223,831	218,265	209,802	206,515
Utah	14,350	13,532	15,310	16,543	17,851	17,673	18,395	18,958	18,109	17,728
Virginia	57,040	53,314	57,621	57,980	61,196	60,147	59,528	59,173	58,124	55,431
Washington	52,692	49,442	52,002	51,535	53,931	55,600	54,119	*	*	*

**Data not available.*

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 14: Light Truck Occupants Killed or Injured in Motor Vehicle Crashes

STATE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
KILLED										
California	791	732	724	686	658	652	672	625	584	545
Florida	400	328	336	420	426	426	415	437	437	503
Georgia	328	284	245	263	334	388	422	431	454	*
Illinois	195	211	198	165	222	252	131	260	279	327
Indiana	168	182	152	160	171	168	160	186	198	209
Kansas	87	84	92	101	104	98	116	133	134	152
Maryland	89	94	79	49	80	116	94	97	101	107
Michigan	160	146	160	206	195	217	241	227	233	226
Missouri	222	189	212	240	275	345	330	339	359	339
New Mexico	153	144	145	143	142	140	149	161	141	182
North Carolina	*	*	170	199	268	279	252	260	281	320
Ohio	202	204	183	177	142	159	148	184	192	214
Pennsylvania	220	239	208	245	232	215	251	269	256	298
Texas	856	783	822	810	934	943	1,150	1,073	1,148	1,208
Utah	75	72	79	88	95	102	116	131	109	146
Virginia	164	158	164	142	166	181	148	192	209	203
Washington	190	151	150	151	153	155	193	*	*	*
INJURED										
California	60,193	57,202	56,425	53,018	53,566	53,369	52,832	50,803	51,973	51,501
Florida	30,498	27,399	30,109	33,343	36,348	39,670	43,418	44,373	46,439	46,502
Georgia	16,958	16,478	17,366	18,646	26,438	30,543	32,764	32,889	32,172	*
Illinois	18,046	17,714	19,542	19,337	17,726	18,424	11,259	21,834	21,018	21,738
Indiana	9,801	9,604	10,549	11,510	12,264	13,229	13,401	14,025	14,014	13,561
Kansas	5,578	5,668	5,879	6,253	6,559	6,428	6,976	7,222	7,262	6,805
Maryland	11,328	10,087	11,245	6,071	9,641	12,077	12,448	11,944	11,441	12,138
Michigan	13,763	12,858	15,612	19,425	22,220	24,208	24,392	24,625	23,951	23,976
Missouri	12,679	11,896	12,752	16,696	17,805	19,324	20,598	20,845	21,147	21,479
New Mexico	6,941	7,149	7,679	8,036	8,925	9,434	10,040	9,425	9,212	8,131
North Carolina	*	*	19,546	21,076	23,152	25,719	27,933	28,052	28,084	32,390
Ohio	26,192	24,342	26,325	27,162	29,298	31,776	33,984	33,480	32,813	32,904
Pennsylvania	19,181	18,638	20,013	21,174	23,388	23,956	27,095	27,815	26,422	28,260
Texas	62,053	64,035	70,647	77,142	86,581	93,676	102,659	103,409	104,806	108,637
Utah	4,965	4,892	5,954	6,595	7,472	8,044	9,070	9,326	9,383	9,426
Virginia	11,364	10,601	11,812	12,329	13,397	13,993	14,720	15,195	15,909	18,031
Washington	16,766	16,128	17,248	18,356	20,630	21,685	23,028	*	*	*

**Data not available.*

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 15: Pedestrians Killed or Injured in Motor Vehicle Crashes by Location

STATE	LOCATION	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED					
California	In Roadway-Intersection	203	166	136	151	149	164	160	151	122	133
	In Roadway-Nonintersection	16	14	8	9	10	5	11	6	8	7
	In Roadway-Location Unknown	746	666	599	655	650	618	592	587	530	523
	Not in Roadway	34	43	30	47	42	45	32	37	36	24
	Unknown	3	0	0	0	2	2	0	1	2	1
	Total	1,002	889	773	862	853	834	795	782	698	688
Florida	In Roadway-Intersection	78	62	67	76	71	78	75	58	66	48
	In Roadway-Nonintersection	282	223	229	239	244	281	290	281	273	258
	In Roadway-Location Unknown	126	118	92	87	103	91	90	94	89	83
	Not in Roadway	0	0	0	0	2	2	0	1	0	1
	Unknown	111	103	103	100	108	112	104	101	120	111
	Total	597	506	491	502	528	564	559	535	548	501
Georgia	In Roadway-Intersection	1	4	6	10	4	9	8	6	8	*
	In Roadway-Nonintersection	82	78	98	100	78	73	94	93	65	*
	In Roadway-Location Unknown	51	49	39	51	49	53	38	48	53	*
	Not in Roadway	14	6	7	3	3	10	5	10	9	*
	Unknown	29	24	23	24	32	24	17	31	27	*
	Total	177	161	173	188	166	169	162	188	162	*
Illinois	In Roadway-Intersection	64	34	35	37	23	20	10	25	29	34
	In Roadway-Nonintersection	105	80	70	71	91	92	27	65	65	53
	In Roadway-Location Unknown	87	83	77	97	117	62	53	100	83	84
	Not in Roadway	13	26	8	8	6	40	5	9	11	3
	Unknown	4	0	0	0	0	0	1	1	1	2
	Total	273	223	190	213	237	214	96	200	189	176
Indiana	In Roadway-Intersection	8	8	8	3	16	5	8	8	8	8
	In Roadway-Nonintersection	32	30	25	27	31	36	26	22	24	22
	In Roadway-Location Unknown	35	29	25	20	19	19	25	24	26	20
	Not in Roadway	6	4	5	3	1	6	5	5	3	7
	Unknown	18	16	12	11	17	10	14	16	11	9
	Total	99	87	75	64	84	76	78	75	72	66
Kansas	In Roadway-Intersection	0	4	6	8	3	10	3	4	5	10
	In Roadway-Nonintersection	21	12	10	15	14	25	14	21	25	18
	In Roadway-Location Unknown	1	0	0	0	0	1	1	1	1	1
	Not in Roadway	8	3	5	2	3	2	2	2	2	2
	Unknown	4	1	0	1	2	1	0	0	0	2
	Total	34	20	21	26	22	39	20	28	33	33

**Data not available.*

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 15: Pedestrians Killed or Injured in Motor Vehicle Crashes by Location

STATE	LOCATION	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
					KILLED (Continued)						
Maryland	In Roadway-Intersection	26	23	11	14	14	17	20	11	22	15
	In Roadway-Nonintersection	61	63	47	63	61	63	68	58	56	62
	In Roadway-Location Unknown	42	48	32	43	41	41	32	30	21	35
	Not in Roadway	2	2	3	2	3	7	3	3	2	6
	Unknown	4	6	5	1	4	0	0	2	0	1
	Total	135	142	98	123	123	128	123	104	101	119
Michigan	In Roadway-Intersection	54	55	10	21	24	22	22	14	16	10
	In Roadway-Nonintersection	77	56	46	54	66	64	64	71	80	66
	In Roadway-Location Unknown	66	47	45	43	45	61	68	51	43	61
	Not in Roadway	20	17	5	8	14	13	10	10	9	20
	Unknown	9	5	63	45	32	31	26	19	24	18
	Total	226	180	169	171	181	191	190	165	172	175
Missouri	In Roadway-Intersection	19	9	19	18	21	17	16	16	19	19
	In Roadway-Nonintersection	72	56	59	78	61	70	75	70	79	43
	Not in Roadway	7	1	6	2	1	5	5	9	1	2
	Unknown	3	7	3	5	3	2	1	6	2	1
	Total	101	73	87	103	86	94	97	101	101	65
New Mexico	In Roadway-Intersection	1	11	2	7	6	8	10	9	5	8
	In Roadway-Nonintersection	36	51	55	40	42	57	35	36	38	40
	Unknown	46	29	33	20	24	23	17	21	15	4
	Total	83	91	90	67	72	88	62	66	58	52
North Carolina	In Roadway-Intersection	*	*	10	15	11	19	12	8	17	13
	In Roadway-Nonintersection	*	*	66	63	80	74	74	73	74	62
	In Roadway-Location Unknown	*	*	91	98	87	97	75	84	102	77
	Not in Roadway	*	*	9	6	11	9	11	14	8	10
	Unknown	*	*	2	0	0	0	1	2	1	0
	Total	*	*	178	182	189	199	173	181	202	162
Ohio	In Roadway-Intersection	18	16	13	9	8	9	8	9	8	8
	In Roadway-Nonintersection	107	82	75	72	75	61	61	66	63	68
	In Roadway-Location Unknown	56	58	44	60	31	32	48	43	55	40
	Not in Roadway	14	14	18	16	13	15	5	9	11	7
	Unknown	1	0	1	0	0	0	0	0	0	0
	Total	196	170	151	157	127	117	122	127	137	123

**Data not available.*

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 15: Pedestrians Killed or Injured in Motor Vehicle Crashes by Location

STATE	LOCATION	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
		KILLED (Continued)									
Pennsylvania	In Roadway-Intersection	61	30	21	26	33	36	46	41	43	47
	In Roadway-Nonintersection	87	73	10	46	60	52	44	129	117	133
	In Roadway-Location Unknown	80	109	187	124	63	87	114	0	0	0
	Not in Roadway	36	21	11	17	21	19	13	5	6	7
	Unknown	3	1	2	1	2	4	1	0	0	0
	Total	267	234	231	214	179	198	218	175	166	187
Texas	In Roadway-Intersection	35	34	33	28	25	16	7	37	56	25
	In Roadway-Nonintersection	236	232	235	216	225	265	282	203	186	210
	In Roadway-Location Unknown	154	178	187	152	106	132	99	118	135	92
	Not in Roadway	54	56	50	48	48	42	47	39	31	58
	Unknown	11	14	9	11	24	6	12	48	57	47
	Total	490	514	514	455	428	461	447	445	465	432
Utah	In Roadway-Intersection	4	6	7	7	8	7	5	11	4	11
	In Roadway-Nonintersection	10	14	18	9	17	18	13	13	20	12
	In Roadway-Location Unknown	18	6	14	12	11	15	9	6	20	11
	Not in Roadway	0	2	2	2	3	5	1	3	0	3
	Unknown	0	3	1	1	4	1	7	6	0	1
	Total	32	31	42	31	43	46	35	39	44	38
Virginia	In Roadway-Intersection	12	8	16	22	14	10	17	18	12	12
	In Roadway-Nonintersection	45	36	25	38	39	34	32	32	31	31
	In Roadway-Location Unknown	39	49	29	43	28	34	45	24	44	20
	Not in Roadway	9	4	6	0	3	6	4	6	3	4
	Unknown	11	15	17	9	17	9	16	10	12	20
	Total	116	112	93	112	101	93	114	90	102	87
Washington	In Roadway-Intersection	21	13	20	18	11	12	22	*	*	*
	In Roadway-Nonintersection	28	35	33	30	34	32	30	*	*	*
	In Roadway-Location Unknown	26	17	21	25	32	23	25	*	*	*
	Not in Roadway	4	10	5	3	4	5	8	*	*	*
	Unknown	2	4	2	4	4	3	5	*	*	*
	Total	81	79	81	80	85	75	90	*	*	*

**Data not available.*

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 15: Pedestrians Killed or Injured in Motor Vehicle Crashes by Location

STATE	LOCATION	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURED					
California	In Roadway-Intersection	6,456	5,993	5,766	5,769	5,700	5,727	5,660	5,567	5,549	5,577
	In Roadway-Nonintersection	377	387	326	322	331	314	301	295	292	293
	In Roadway-Location Unknown	10,393	9,827	9,344	9,327	9,001	8,800	8,735	7,942	7,721	7,287
	Not in Roadway	1,148	1,108	1,019	1,061	1,223	1,133	1,278	1,142	1,058	1,154
	Unknown	36	51	24	29	38	33	37	42	40	35
	Total	18,410	17,366	16,479	16,508	16,293	16,007	16,011	14,988	14,660	14,346
Florida	In Roadway-Intersection	1,185	1,207	1,072	1,052	985	1,022	1,085	1,009	1,083	1,074
	In Roadway-Nonintersection	2,637	2,517	2,543	2,813	2,891	2,906	2,907	2,929	3,037	2,814
	In Roadway-Location Unknown	1,822	1,758	1,595	1,539	1,648	1,491	1,377	1,229	1,177	1,119
	Not in Roadway	0	0	0	27	32	36	37	44	29	23
	Unknown	2,469	2,501	2,807	2,658	2,753	2,580	2,648	2,583	2,748	2,506
	Total	8,113	7,983	8,017	8,089	8,309	8,035	8,054	7,794	8,074	7,536
Georgia	In Roadway-Intersection	312	282	272	260	305	317	367	358	213	*
	In Roadway-Nonintersection	1,096	1,026	1,101	1,041	1,058	1,101	1,158	1,171	773	*
	In Roadway-Location Unknown	538	544	552	565	570	547	573	614	396	*
	Not in Roadway	114	92	111	103	120	120	122	123	74	*
	Unknown	278	347	353	407	217	241	311	299	342	*
	Total	2,338	2,291	2,389	2,376	2,270	2,326	2,531	2,565	1,798	*
Illinois	In Roadway-Intersection	3,239	2,934	3,043	2,255	606	651	351	1,365	520	473
	In Roadway-Nonintersection	2,978	2,728	2,715	1,833	614	641	131	632	346	326
	In Roadway-Location Unknown	3,429	3,372	3,185	3,719	1,583	3,220	414	2,526	1,287	1,202
	Not in Roadway	274	340	338	402	3,613	1,047	57	328	187	154
	Unknown	220	228	26	73	38	48	84	325	137	173
	Total	10,140	9,602	9,307	8,282	6,454	5,607	1,037	5,176	2,477	2,328
Indiana	In Roadway-Intersection	459	387	373	367	384	368	404	360	390	385
	In Roadway-Nonintersection	698	670	716	630	559	677	557	591	564	557
	In Roadway-Location Unknown	485	422	454	439	462	454	500	444	435	458
	Not in Roadway	168	177	174	148	178	195	168	191	155	155
	Unknown	543	496	484	544	513	535	527	537	483	519
	Total	2,353	2,152	2,201	2,128	2,096	2,229	2,156	2,123	2,027	2,074
Kansas	In Roadway-Intersection	231	220	244	232	228	262	231	206	198	184
	In Roadway-Nonintersection	351	355	370	343	340	326	365	302	293	313
	In Roadway-Location Unknown	16	11	19	18	11	11	15	13	8	1
	Not in Roadway	53	49	44	73	56	63	67	45	46	38
	Unknown	52	54	38	31	30	34	40	20	20	10
	Total	703	689	715	697	665	696	718	586	565	546

**Data not available.*

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 15: Pedestrians Killed or Injured in Motor Vehicle Crashes by Location

STATE	LOCATION	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURED (Continued)					
Maryland	In Roadway-Intersection	723	713	744	415	559	590	560	577	461	515
	In Roadway-Nonintersection	1,454	1,375	1,316	977	1,210	1,234	1,223	1,109	1,009	973
	In Roadway-Location Unknown	1,004	978	1,042	829	1,033	879	1,027	916	930	974
	Not in Roadway	247	234	224	262	289	273	260	222	244	208
	Unknown	119	132	114	61	60	42	56	50	110	116
	Total	3,547	3,432	3,440	2,544	3,151	3,018	3,126	2,874	2,754	2,786
Michigan	In Roadway-Intersection	1,868	1,702	366	580	746	702	821	727	765	718
	In Roadway-Nonintersection	1,054	933	628	848	1,036	1,057	990	970	1,049	921
	In Roadway-Location Unknown	811	730	352	579	743	773	760	701	747	730
	Not in Roadway	277	284	84	136	170	172	146	169	158	150
	Unknown	29	33	653	667	807	769	666	615	589	576
	Total	4,039	3,682	2,083	2,810	3,502	3,473	3,383	3,182	3,308	3,095
Missouri	In Roadway-Intersection	635	567	546	568	521	518	514	580	554	541
	In Roadway-Nonintersection	1,295	1,256	1,232	1,287	1,298	1,188	1,200	1,109	1,113	1,096
	Not in Roadway	84	91	87	75	59	86	83	94	76	81
	Unknown	177	153	173	117	145	110	118	111	149	123
	Total	2,191	2,067	2,038	2,047	2,023	1,902	1,915	1,894	1,892	1,841
New Mexico	In Roadway-Intersection	71	135	165	194	175	183	210	236	196	189
	In Roadway-Nonintersection	379	322	294	270	308	291	293	257	200	183
	Unknown	156	107	143	148	120	103	62	76	69	48
	Total	606	564	602	612	603	577	565	569	465	420
North Carolina	In Roadway-Intersection	*	*	203	231	250	277	242	257	293	226
	In Roadway-Nonintersection	*	*	738	738	743	668	700	687	645	597
	In Roadway-Location Unknown	*	*	974	1,071	1,108	1,094	1,122	1,100	1,070	923
	Not in Roadway	*	*	293	330	334	299	317	299	331	295
	Unknown	*	*	27	34	35	19	23	36	41	19
	Total	*	*	2,235	2,404	2,470	2,357	2,404	2,379	2,380	2,060
Ohio	In Roadway-Intersection	1,098	969	896	955	928	909	1,062	953	932	894
	In Roadway-Nonintersection	2,295	2,074	2,094	1,998	1,955	1,875	1,868	1,810	1,661	1,417
	In Roadway-Location Unknown	1,223	1,168	1,244	1,226	1,237	1,143	1,223	1,060	984	948
	Not in Roadway	349	334	363	336	337	317	325	284	308	290
	Unknown	5	2	5	0	1	0	2	9	11	7
	Total	4,970	4,547	4,602	4,515	4,458	4,244	4,480	4,116	3,896	3,556

**Data not available.*

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 15: Pedestrians Killed or Injured in Motor Vehicle Crashes by Location

STATE	LOCATION	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
					INJURED (Continued)						
Pennsylvania	In Roadway-Intersection	2,482	1,852	1,905	1,968	2,132	2,303	2,171	2,640	2,439	2,584
	In Roadway-Nonintersection	2,049	2,475	2,739	2,666	2,240	2,335	2,099	3,293	3,339	3,185
	In Roadway-Location Unknown	1,540	1,398	1,328	1,016	1,346	1,087	1,224	1	2	0
	Not in Roadway	538	492	573	462	515	443	367	100	121	83
	Unknown	74	66	63	55	40	51	42	6	0	1
	Total	6,683	6,283	6,608	6,167	6,273	6,219	5,903	6,040	5,901	5,853
Texas	In Roadway-Intersection	966	895	1,006	972	851	935	947	953	659	451
	In Roadway-Nonintersection	2,247	2,195	2,217	2,094	2,010	1,925	1,926	2,063	1,307	798
	In Roadway-Location Unknown	1,685	1,548	1,595	1,448	1,093	1,274	1,503	1,273	681	360
	Not in Roadway	586	513	542	481	442	472	441	461	298	202
	Unknown	180	167	153	579	1,200	802	590	804	2,378	3,008
	Total	5,664	5,318	5,513	5,574	5,596	5,408	5,407	5,554	5,323	4,819
Utah	In Roadway-Intersection	174	169	275	235	282	203	375	320	298	292
	In Roadway-Nonintersection	116	123	161	191	148	154	213	186	178	158
	In Roadway-Location Unknown	184	144	247	330	335	198	262	258	198	207
	Not in Roadway	26	13	54	37	36	55	54	74	45	39
	Unknown	398	292	110	45	71	91	56	50	55	52
	Total	898	741	847	838	872	701	960	888	774	748
Virginia	In Roadway-Intersection	460	390	406	453	435	482	463	459	503	454
	In Roadway-Nonintersection	488	416	467	458	481	460	455	428	416	434
	In Roadway-Location Unknown	691	551	602	652	628	621	644	626	539	609
	Not in Roadway	134	125	107	93	126	96	124	118	106	109
	Unknown	447	387	404	398	431	424	423	428	440	462
	Total	2,220	1,869	1,986	2,054	2,101	2,083	2,109	2,059	2,004	2,068
Washington	In Roadway-Intersection	805	844	785	788	808	934	852	*	*	*
	In Roadway-Nonintersection	489	514	508	468	545	503	564	*	*	*
	In Roadway-Location Unknown	428	393	364	411	437	388	414	*	*	*
	Not in Roadway	87	103	100	112	100	86	128	*	*	*
	Unknown	52	57	52	34	26	37	20	*	*	*
	Total	1,861	1,911	1,809	1,813	1,916	1,948	1,978	*	*	*

**Data not available.*

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 16: Drivers Age 15-20 Involved in Fatal and Injury Crashes by Sex

STATE	SEX	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						FATAL CRASHES					
California	Male	724	668	555	504	501	459	456	436	393	452
	Female	225	202	157	160	168	187	162	174	169	153
	Unknown	1	0	0	0	1	0	0	0	1	1
	Total	950	870	712	664	670	646	618	610	563	606
Florida	Male	370	347	278	312	355	360	349	318	347	390
	Female	148	141	134	123	131	118	133	170	151	141
	Unknown	0	0	0	0	1	0	0	0	0	0
	Total	518	488	412	435	487	478	482	488	498	531
Georgia	Male	231	200	198	212	198	234	235	200	186	*
	Female	95	91	77	71	69	87	108	97	94	*
	Total	326	291	275	283	267	321	343	297	280	*
Illinois	Male	261	230	210	190	236	233	101	207	197	194
	Female	74	70	65	70	73	97	40	73	74	89
	Unknown	0	0	0	2	0	0	0	0	0	0
	Total	335	300	275	262	309	330	141	280	271	283
Indiana	Male	173	159	149	137	154	137	164	163	140	148
	Female	60	60	47	50	74	48	75	52	75	65
	Unknown	0	1	0	0	0	1	0	0	0	1
	Total	233	220	196	187	228	186	239	215	215	214
Kansas	Male	80	61	67	70	75	58	89	61	60	84
	Female	26	25	24	24	35	30	34	32	28	28
	Total	106	86	91	94	110	88	123	93	88	112
Maryland	Male	119	106	87	86	88	93	97	78	87	106
	Female	37	28	22	26	24	37	25	31	27	37
	Total	156	134	109	112	112	130	122	109	114	143
Michigan	Male	250	208	166	195	221	198	215	181	180	188
	Female	68	84	83	67	87	115	84	87	89	79
	Unknown	0	0	4	4	6	4	3	2	3	5
	Total	318	292	253	266	314	317	302	270	272	272
Missouri	Male	166	196	140	158	200	164	165	154	161	175
	Female	56	54	57	59	72	74	70	81	70	63
	Total	222	250	197	217	272	238	235	235	231	238

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 16: Drivers Age 15-20 Involved in Fatal and Injury Crashes by Sex

STATE	SEX	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
FATAL CRASHES (Continued)											
New Mexico	Male	85	68	48	66	70	75	60	62	49	62
	Female	18	18	20	16	24	22	28	20	25	30
	Total	103	86	68	82	94	97	88	82	74	92
North Carolina	Male	*	*	158	197	208	176	216	202	227	184
	Female	*	*	60	73	95	89	82	75	92	98
	Unknown	*	*	1	4	0	1	1	1	4	0
	Total	*	*	219	274	303	266	299	278	323	282
Ohio	Male	242	236	222	250	213	208	206	206	214	218
	Female	114	91	78	87	80	81	89	79	92	89
	Unknown	1	1	0	0	0	0	0	0	0	0
	Total	357	328	300	337	293	289	295	285	306	307
Pennsylvania	Male	235	251	190	182	192	198	190	215	228	211
	Female	69	63	54	64	53	64	63	89	85	99
	Total	304	314	244	246	245	262	253	304	313	310
Texas	Male	461	408	412	402	398	410	484	439	493	508
	Female	133	138	119	151	151	139	190	194	188	225
	Unknown	0	0	0	0	0	0	1	1	0	0
	Total	594	546	531	553	549	549	675	634	681	733
Utah	Male	40	40	45	52	63	55	58	65	66	60
	Female	19	26	18	31	34	31	28	30	32	29
	Unknown	0	0	0	0	0	1	0	0	0	0
	Total	59	66	63	83	97	87	86	95	98	89
Virginia	Male	174	136	129	102	118	142	123	124	120	105
	Female	56	53	46	58	43	47	59	62	41	47
	Total	230	189	175	160	161	189	182	186	161	152
Washington	Male	119	93	84	95	85	86	73	*	*	*
	Female	33	32	25	31	31	36	43	*	*	*
	Total	152	125	109	126	116	122	116	*	*	*

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 16: Drivers Age 15-20 Involved in Fatal and Injury Crashes by Sex

STATE	SEX	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURY CRASHES					
California	Male	38,594	34,897	31,535	28,532	29,057	26,786	26,240	23,888	25,632	26,211
	Female	22,156	19,942	19,134	18,268	18,963	18,168	18,219	17,472	19,125	19,392
	Unknown	39	16	27	23	30	32	23	22	24	34
	Total	60,789	54,855	50,696	46,823	48,050	44,986	44,482	41,382	44,781	45,637
Florida	Male	21,248	18,532	18,481	18,791	19,699	20,668	21,585	21,406	21,946	22,093
	Female	13,741	12,089	12,521	13,039	13,773	15,139	15,619	15,650	16,450	16,355
	Unknown	26	23	15	18	17	12	18	10	11	11
	Total	35,015	30,644	31,017	31,848	33,489	35,819	37,222	37,066	38,407	38,459
Georgia	Male	11,702	10,955	11,485	11,860	14,890	15,304	15,394	14,740	12,898	*
	Female	8,228	7,628	8,142	8,538	10,627	11,093	11,571	11,644	10,452	*
	Unknown	0	0	0	0	0	0	0	0	59	*
	Total	19,930	18,583	19,627	20,398	25,517	26,397	26,965	26,384	23,409	*
Illinois	Male	18,218	16,166	16,931	16,819	16,573	16,018	6,621	14,224	12,875	12,674
	Female	11,782	10,639	11,340	11,469	11,506	11,655	5,170	11,195	10,753	10,499
	Unknown	16	11	11	1	0	0	12	69	39	48
	Total	30,016	26,816	28,282	28,289	28,079	27,673	11,803	25,488	23,667	23,221
Indiana	Male	9,960	8,709	9,583	10,262	10,627	11,108	10,504	10,631	10,645	10,175
	Female	6,827	6,094	6,821	7,360	7,782	8,407	8,003	8,546	8,458	7,868
	Unknown	9	24	16	19	17	15	20	27	17	28
	Total	16,796	14,827	16,420	17,641	18,426	19,530	18,527	19,204	19,120	18,071
Kansas	Male	4,302	3,994	4,000	3,916	4,096	4,269	4,121	4,198	4,484	4,324
	Female	2,985	2,899	3,228	3,082	3,254	3,380	3,549	3,593	3,760	3,703
	Unknown	0	1	0	0	0	0	0	0	4	1
	Total	7,287	6,894	7,228	6,998	7,350	7,649	7,670	7,791	8,248	8,028
Maryland	Male	7,629	6,501	6,515	5,129	5,748	6,002	5,907	5,763	5,580	5,738
	Female	4,631	4,089	4,335	3,572	4,018	4,109	4,365	4,276	4,372	4,282
	Unknown	0	0	0	9	8	9	9	7	6	12
	Total	12,260	10,590	10,850	8,710	9,774	10,120	10,281	10,046	9,958	10,032
Michigan	Male	18,169	16,177	12,877	15,121	16,387	16,581	15,949	15,736	14,883	14,517
	Female	12,958	11,621	9,933	11,259	12,233	13,019	12,929	12,759	12,143	11,665
	Unknown	0	0	475	347	498	692	512	427	378	348
	Total	31,127	27,798	23,285	26,727	29,118	30,292	29,390	28,922	27,404	26,530
Missouri	Male	8,994	8,190	8,472	8,867	9,580	9,769	9,765	9,557	9,699	9,556
	Female	6,135	5,616	6,087	6,588	6,947	7,421	7,548	7,569	7,812	7,768
	Unknown	1	0	0	1	3	1	11	1	6	4
	Total	15,130	13,806	14,559	15,456	16,530	17,191	17,324	17,127	17,517	17,328

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 16: Drivers Age 15-20 Involved in Fatal and Injury Crashes by Sex

STATE	SEX	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
INJURY CRASHES (Continued)											
New Mexico	Male	3,102	3,041	3,282	3,388	3,708	3,707	3,749	3,506	3,516	3,059
	Female	2,138	2,141	2,433	2,488	2,725	2,961	2,948	2,801	2,936	2,622
	Unknown	4	2	1	8	10	19	19	15	14	23
	Total	5,244	5,184	5,716	5,884	6,443	6,687	6,716	6,322	6,466	5,704
North Carolina	Male	*	*	14,257	14,901	15,903	16,806	16,696	16,801	16,557	15,851
	Female	*	*	9,990	10,783	11,760	12,443	12,422	13,155	12,890	12,276
	Unknown	*	*	81	91	66	71	122	155	142	133
	Total	*	*	24,328	25,775	27,729	29,320	29,240	30,111	29,589	28,260
Ohio	Male	23,747	20,871	21,038	21,229	21,607	22,939	22,712	22,763	22,266	21,218
	Female	15,432	13,915	14,345	14,612	15,216	16,547	17,056	17,487	17,691	16,840
	Unknown	63	193	77	29	53	90	89	50	38	37
	Total	39,242	34,979	35,460	35,870	36,876	39,576	39,857	40,300	39,995	38,095
Pennsylvania	Male	15,528	14,093	13,162	12,803	12,836	13,560	14,300	14,672	14,765	14,367
	Female	8,803	7,944	7,886	7,770	7,632	8,396	9,126	9,753	9,825	9,675
	Unknown	1	3	1	1	2	1	2	2	3	0
	Total	24,332	22,040	21,049	20,574	20,470	21,957	23,428	24,427	24,593	24,042
Texas	Male	27,547	26,973	26,899	28,187	30,882	31,743	32,797	32,513	35,798	36,920
	Female	17,744	17,033	17,772	19,076	21,014	22,177	23,115	24,148	27,115	27,999
	Unknown	93	93	76	105	119	92	100	102	149	163
	Total	45,384	44,099	44,747	47,368	52,015	54,012	56,012	56,763	63,062	65,082
Utah	Male	3,216	3,049	3,572	3,785	4,297	4,682	4,827	4,703	4,309	4,364
	Female	2,699	2,590	2,946	3,226	3,899	4,085	4,226	4,414	4,204	4,194
	Unknown	9	1	2	0	1	2	4	3	4	6
	Total	5,924	5,640	6,520	7,011	8,197	8,769	9,057	9,120	8,517	8,564
Virginia	Male	9,482	8,449	8,650	8,604	9,284	9,168	9,081	9,151	8,981	9,432
	Female	6,398	5,867	6,380	6,440	7,050	7,117	7,220	7,460	7,508	7,775
	Unknown	4	3	4	5	2	3	6	2	4	3
	Total	15,884	14,319	15,034	15,049	16,336	16,288	16,307	16,613	16,493	17,210
Washington	Male	8,256	7,431	7,769	7,401	7,995	8,371	7,445	*	*	*
	Female	5,852	5,241	5,630	5,675	6,404	6,742	6,940	*	*	*
	Unknown	48	31	18	17	11	7	4	*	*	*
	Total	14,156	12,703	13,417	13,093	14,410	15,120	14,389	*	*	*

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 17: Drivers Over 69 Involved in Fatal and Injury Crashes by Sex

STATE	SEX	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						FATAL CRASHES					
California	Male	229	226	213	257	265	237	269	259	209	215
	Female	111	107	104	101	114	134	105	137	110	115
	Unknown	0	0	0	0	0	0	0	26	0	0
	Total	340	333	317	358	379	371	374	422	319	330
Florida	Male	249	222	231	294	265	302	317	330	336	343
	Female	108	95	107	124	126	161	154	149	185	161
	Unknown	0	0	0	0	0	4	0	0	0	0
	Total	357	317	338	418	391	467	471	479	521	504
Georgia	Male	104	86	103	95	126	97	100	125	117	*
	Female	34	24	40	45	64	50	50	45	58	*
	Unknown	3	0	0	0	0	0	0	0	0	*
	Total	141	110	143	140	190	147	150	170	175	*
Illinois	Male	91	90	102	91	111	120	64	98	112	120
	Female	45	29	34	39	50	64	31	39	46	33
	Total	136	119	136	130	161	184	95	137	158	153
Indiana	Male	63	78	82	60	80	82	95	62	81	85
	Female	34	28	36	39	39	30	35	40	36	41
	Total	97	106	118	99	119	112	130	102	117	126
Kansas	Male	35	44	27	52	45	32	49	42	45	49
	Female	17	16	15	18	19	25	24	21	25	29
	Total	52	60	42	70	64	57	73	63	70	78
Maryland	Male	34	46	41	48	42	51	53	44	43	45
	Female	18	25	16	20	24	22	20	26	25	35
	Total	52	71	57	68	66	73	73	70	68	80
Michigan	Male	88	98	92	100	95	116	121	130	99	117
	Female	63	61	49	58	66	70	63	76	67	78
	Unknown	0	0	1	0	1	5	4	6	2	1
	Total	151	159	142	158	162	191	188	212	168	196
Missouri	Male	76	71	69	71	81	84	83	112	85	101
	Female	20	31	40	27	43	36	44	45	52	55
	Total	96	102	109	98	124	120	127	157	137	156

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 17: Drivers Over 69 Involved in Fatal and Injury Crashes by Sex

STATE	SEX	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
FATAL CRASHES (Continued)											
New Mexico	Male	18	22	21	26	18	23	31	30	27	20
	Female	6	10	5	4	19	13	13	10	10	11
	Total	24	32	26	30	37	36	44	40	37	31
North Carolina	Male	*	*	85	104	104	110	125	129	135	126
	Female	*	*	37	53	48	65	58	65	69	61
	Unknown	*	*	0	0	2	0	7	20	14	20
	Total	*	*	122	157	154	175	190	214	218	207
Ohio	Male	93	106	96	110	136	100	108	110	104	117
	Female	47	42	58	43	60	60	57	51	58	58
	Total	140	148	154	153	196	160	165	161	162	175
Pennsylvania	Male	115	132	126	141	139	138	146	152	149	142
	Female	54	46	57	46	61	62	76	69	76	73
	Total	169	178	183	187	200	200	222	221	225	215
Texas	Male	163	167	160	174	182	180	229	236	225	234
	Female	90	69	60	81	75	80	113	124	96	102
	Unknown	0	0	0	0	0	0	0	0	0	1
	Total	253	236	220	255	257	260	342	360	321	337
Utah	Male	22	17	12	20	24	24	14	20	21	15
	Female	4	3	10	12	10	5	9	14	11	13
	Total	26	20	22	32	34	29	23	34	32	28
Virginia	Male	52	65	60	58	54	55	55	66	83	60
	Female	32	27	29	29	31	31	32	32	33	41
	Unknown	0	1	0	0	0	0	0	1	0	2
	Total	84	93	89	87	85	86	87	99	116	103
Washington	Male	42	55	53	43	40	46	56	*	*	*
	Female	19	24	28	15	22	14	23	*	*	*
	Unknown	0	0	0	1	0	0	0	*	*	*
	Total	61	79	81	59	62	60	79	*	*	*

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 17: Drivers Over 69 Involved in Fatal and Injury Crashes by Sex

STATE	SEX	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURY CRASHES					
California	Male	9,249	9,113	9,212	9,215	9,697	9,505	9,630	9,778	9,647	10,010
	Female	6,030	6,111	6,167	6,344	6,407	6,477	6,798	6,973	6,904	6,992
	Unknown	5	9	7	7	11	10	11	86	8	14
	Total	15,284	15,233	15,386	15,566	16,115	15,992	16,439	16,837	16,559	17,016
Florida	Male	9,568	9,226	10,101	10,181	10,964	12,177	12,964	12,731	12,823	11,750
	Female	5,379	5,310	5,902	6,289	6,755	7,448	8,168	7,916	8,150	7,537
	Unknown	26	16	12	7	16	10	6	9	8	5
	Total	14,973	14,552	16,015	16,477	17,735	19,635	21,138	20,656	20,981	19,292
Georgia	Male	2,811	2,835	2,990	3,066	4,695	3,704	3,772	3,792	3,737	*
	Female	1,808	1,937	1,971	2,136	2,651	2,574	2,627	2,580	2,551	*
	Unknown	13	15	37	28	0	0	0	0	22	*
	Total	4,632	4,787	4,998	5,230	7,346	6,278	6,399	6,372	6,310	*
Illinois	Male	4,635	4,353	4,729	4,911	4,858	4,515	2,430	4,363	3,979	3,902
	Female	2,813	2,826	3,272	3,222	3,139	3,060	1,578	3,079	3,116	2,944
	Unknown	16	24	11	1	1	0	7	13	15	19
	Total	7,464	7,203	8,012	8,134	7,998	7,575	4,015	7,455	7,110	6,865
Indiana	Male	2,492	2,333	2,707	2,724	2,753	2,960	2,873	2,966	3,093	2,952
	Female	1,651	1,657	1,895	1,972	2,168	2,159	2,141	2,294	2,250	2,262
	Unknown	7	7	3	2	2	4	7	5	0	7
	Total	4,150	3,997	4,605	4,698	4,923	5,123	5,021	5,265	5,343	5,221
Kansas	Male	1,088	1,009	1,049	1,044	1,112	1,122	1,140	1,192	1,228	1,169
	Female	759	782	809	801	846	867	823	892	858	919
	Unknown	64	11	0	0	0	0	0	0	1	0
	Total	1,911	1,802	1,858	1,845	1,958	1,989	1,963	2,084	2,087	2,088
Maryland	Male	2,035	1,893	2,144	1,807	2,029	2,009	2,093	2,070	2,074	2,013
	Female	1,118	1,139	1,254	1,041	1,204	1,283	1,354	1,281	1,307	1,421
	Unknown	0	0	0	4	6	2	6	3	7	4
	Total	3,153	3,032	3,398	2,852	3,239	3,294	3,453	3,354	3,388	3,438
Michigan	Male	4,343	4,368	3,716	4,469	4,631	4,751	4,942	4,816	4,733	4,599
	Female	3,010	3,008	2,739	3,277	3,502	3,442	3,643	3,604	3,720	3,463
	Unknown	0	0	125	118	126	176	166	131	138	106
	Total	7,353	7,376	6,580	7,864	8,259	8,369	8,751	8,551	8,591	8,168
Missouri	Male	2,353	2,400	2,536	2,667	2,801	2,858	2,878	2,909	3,008	2,901
	Female	1,552	1,567	1,700	1,777	1,901	1,899	1,927	2,009	2,045	2,021
	Unknown	0	0	0	1	1	0	5	2	2	1
	Total	3,905	3,967	4,236	4,445	4,703	4,757	4,810	4,920	5,055	4,923

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 17: Drivers Over 69 Involved in Fatal and Injury Crashes by Sex

STATE	SEX	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
INJURY CRASHES (Continued)											
New Mexico	Male	700	813	829	945	998	1,030	1,088	955	1,002	861
	Female	455	471	524	563	647	641	681	642	619	594
	Unknown	0	1	0	0	3	4	2	0	4	7
	Total	1,155	1,285	1,353	1,508	1,648	1,675	1,771	1,597	1,625	1,462
North Carolina	Male	*	*	3,805	4,070	4,475	4,827	4,856	5,166	5,102	5,305
	Female	*	*	2,623	2,967	3,138	3,509	3,314	3,615	3,752	3,903
	Unknown	*	*	31	17	47	98	190	859	821	760
	Total	*	*	6,459	7,054	7,660	8,434	8,360	9,640	9,675	9,968
Ohio	Male	5,494	5,500	5,856	6,364	6,845	6,928	7,197	7,058	7,066	6,928
	Female	3,525	3,741	3,981	4,131	4,806	4,662	5,117	5,015	5,241	5,054
	Unknown	18	19	8	7	14	28	1,881	26	10	20
	Total	9,037	9,260	9,845	10,502	11,665	11,618	14,195	12,099	12,317	12,002
Pennsylvania	Male	5,136	5,091	5,100	5,231	5,321	5,662	5,647	6,051	5,920	5,933
	Female	2,683	2,798	2,918	3,192	3,043	3,369	3,600	3,781	3,899	3,867
	Unknown	0	0	0	0	0	0	0	3	1	0
	Total	7,819	7,889	8,018	8,423	8,364	9,031	9,247	9,835	9,820	9,800
Texas	Male	6,992	7,333	7,974	8,108	8,681	9,033	9,513	9,571	8,996	9,138
	Female	4,632	4,857	5,333	5,579	5,946	6,109	6,486	6,361	6,273	6,469
	Unknown	19	23	19	26	38	32	26	24	27	35
	Total	11,643	12,213	13,326	13,713	14,665	15,174	16,025	15,956	15,296	15,642
Utah	Male	637	662	771	817	834	884	913	968	834	848
	Female	411	382	494	491	609	618	588	621	563	592
	Unknown	1	2	1	1	0	2	2	0	0	1
	Total	1,049	1,046	1,266	1,309	1,443	1,504	1,503	1,589	1,397	1,441
Virginia	Male	2,107	2,147	2,304	2,392	2,574	2,573	2,674	2,645	2,771	2,788
	Female	1,242	1,280	1,418	1,501	1,663	1,739	1,738	1,876	1,959	2,025
	Unknown	2	1	0	2	3	0	4	2	0	147
	Total	3,351	3,428	3,722	3,895	4,240	4,312	4,416	4,523	4,730	4,960
Washington	Male	2,233	2,223	2,368	2,441	2,597	2,753	2,546	*	*	*
	Female	1,445	1,514	1,602	1,628	1,720	1,857	2,030	*	*	*
	Unknown	7	8	4	4	5	3	2	*	*	*
	Total	3,685	3,745	3,974	4,073	4,322	4,613	4,578	*	*	*

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Alcohol

Crash Data Report: 1990-1999

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Table 18: Alcohol-Related Motor Vehicle Crashes by Crash Severity

STATE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
FATAL CRASHES										
California	2,223	1,942	1,676	1,498	1,461	1,279	1,220	1,090	1,066	1,152
Florida	1,206	954	892	851	857	972	853	826	771	857
Georgia	617	516	408	439	484	515	636	627	515	*
Illinois	568	549	478	404	465	452	235	407	430	465
Indiana	353	342	253	246	258	247	265	243	267	263
Kansas	125	106	100	86	104	114	119	94	100	112
Maryland	301	244	216	243	204	209	186	192	162	163
Michigan	663	571	390	413	393	510	481	475	476	484
Missouri	244	256	220	218	253	244	249	205	238	196
New Mexico	273	244	237	226	202	202	206	180	170	182
North Carolina	*	*	494	448	436	415	451	439	440	399
Ohio	564	540	471	419	366	404	389	376	384	401
Pennsylvania	661	619	580	555	490	474	468	471	497	484
Texas	1,441	1,269	1,273	1,213	1,113	1,078	1,175	1,044	1,016	991
Utah	62	69	59	57	67	68	55	58	42	57
Virginia	476	373	346	352	324	320	317	275	301	322
Washington	396	318	299	287	263	273	311	*	*	*
INJURY CRASHES										
California	39,918	35,065	30,626	27,547	25,620	24,101	23,195	20,672	20,437	20,023
Florida	19,171	14,686	13,511	14,131	14,056	13,545	13,827	13,204	12,260	11,535
Georgia	8,492	7,609	7,114	7,049	7,283	7,143	7,479	6,747	6,239	*
Illinois	7,746	7,058	7,013	7,182	6,774	6,481	3,047	5,822	4,965	4,956
Indiana	7,016	6,175	5,854	5,857	5,673	5,702	5,510	5,273	5,248	4,869
Kansas	2,450	2,274	2,153	2,038	2,136	1,883	1,975	1,907	1,843	1,831
Maryland	5,619	4,656	4,498	4,210	4,138	4,099	3,929	3,611	3,421	3,302
Michigan	14,800	12,853	10,467	11,164	10,958	10,563	9,632	8,855	8,708	8,056
Missouri	5,357	4,986	4,872	4,683	4,612	4,644	4,464	4,236	3,991	3,976
New Mexico	2,372	2,432	2,629	2,665	2,606	2,571	2,404	2,007	1,953	1,602
North Carolina	*	*	8,883	8,396	7,884	7,866	8,041	8,012	7,663	7,779
Ohio	17,142	14,896	14,511	13,238	12,186	12,375	12,054	12,011	11,763	11,225
Pennsylvania	11,233	9,601	10,511	9,795	9,159	9,479	9,273	9,238	8,889	9,028
Texas	21,505	20,366	20,050	19,585	19,772	18,400	18,324	17,197	16,062	15,227
Utah	1,827	1,584	1,801	1,849	1,925	2,123	2,308	2,051	2,034	2,079
Virginia	9,182	8,019	7,601	7,043	6,674	6,250	6,036	5,990	5,821	5,710
Washington	8,851	8,234	7,898	7,183	6,903	6,818	6,667	*	*	*

**Data not available.*

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 19: Alcohol-Related Motor Vehicle Crashes by Weekday vs. Weekend and Crash Severity

STATE	PERIOD	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						FATAL CRASHES					
California	Weekday	971	849	748	678	647	601	570	480	465	498
	Weekend	1,245	1,082	921	813	807	672	646	605	596	648
	Unknown	7	11	7	7	7	6	4	5	5	6
	Total	2,223	1,942	1,676	1,498	1,461	1,279	1,220	1,090	1,066	1,152
Florida	Weekday	496	348	375	336	351	418	366	388	334	369
	Weekend	702	604	514	514	504	550	484	434	436	487
	Unknown	8	2	3	1	2	4	3	4	1	1
	Total	1,206	954	892	851	857	972	853	826	771	857
Georgia	Weekday	253	232	187	167	240	248	352	332	262	*
	Weekend	364	284	221	272	244	267	284	295	253	*
	Total	617	516	408	439	484	515	636	627	515	*
Illinois	Weekday	236	253	216	160	167	186	108	184	174	180
	Weekend	328	296	262	243	296	266	127	223	256	285
	Unknown	4	0	0	1	2	0	0	0	0	0
	Total	568	549	478	404	465	452	235	407	430	465
Indiana	Weekday	153	149	110	106	100	114	131	116	133	120
	Weekend	198	192	141	139	158	132	133	127	134	142
	Unknown	2	1	2	1	0	1	1	0	0	1
	Total	353	342	253	246	258	247	265	243	267	263
Kansas	Weekday	42	39	38	41	40	41	46	40	42	38
	Weekend	82	65	60	42	60	70	72	49	56	70
	Unknown	1	2	2	3	4	3	1	5	2	4
	Total	125	106	100	86	104	114	119	94	100	112
Maryland	Weekday	118	111	85	142	130	87	83	89	70	76
	Weekend	183	133	131	101	74	107	103	103	92	87
	Unknown	0	0	0	0	0	15	0	0	0	0
	Total	301	244	216	243	204	209	186	192	162	163
Michigan	Weekday	287	230	164	186	178	225	201	198	228	210
	Weekend	376	341	226	225	214	284	278	276	247	271
	Unknown	0	0	0	2	1	1	2	1	1	3
	Total	663	571	390	413	393	510	481	475	476	484

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 19: Alcohol-Related Motor Vehicle Crashes by Weekday vs. Weekend and Crash Severity

STATE	PERIOD	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
FATAL CRASHES (Continued)											
Missouri	Weekday	99	104	99	106	93	109	100	79	111	79
	Weekend	145	151	119	112	158	134	149	126	127	116
	Unknown	0	1	2	0	2	1	0	0	0	1
	Total	244	256	220	218	253	244	249	205	238	196
New Mexico	Weekday	128	121	96	97	77	102	91	81	90	77
	Weekend	145	121	141	129	125	99	115	96	80	105
	Unknown	0	2	0	0	0	1	0	3	0	0
	Total	273	244	237	226	202	202	206	180	170	182
North Carolina	Weekday	*	*	201	182	170	178	205	190	196	169
	Weekend	*	*	292	265	266	236	246	248	243	230
	Unknown	*	*	1	1	0	1	0	1	1	0
	Total	*	*	494	448	436	415	451	439	440	399
Ohio	Weekday	247	224	201	169	167	196	178	173	164	176
	Weekend	317	316	270	250	199	208	211	203	220	225
	Total	564	540	471	419	366	404	389	376	384	401
Pennsylvania	Weekday	299	268	239	251	209	223	205	189	226	200
	Weekend	362	351	341	304	281	251	262	282	270	283
	Unknown	0	0	0	0	0	0	1	0	1	1
	Total	661	619	580	555	490	474	468	471	497	484
Texas	Weekday	567	509	522	477	409	403	479	421	377	388
	Weekend	874	760	751	736	704	675	696	623	639	603
	Total	1,441	1,269	1,273	1,213	1,113	1,078	1,175	1,044	1,016	991
Utah	Weekday	26	32	23	24	31	30	23	30	16	18
	Weekend	36	37	36	33	36	38	32	28	26	38
	Unknown	0	0	0	0	0	0	0	0	0	1
	Total	62	69	59	57	67	68	55	58	42	57
Virginia	Weekday	181	173	157	152	143	129	151	123	131	140
	Weekend	295	200	189	200	181	190	165	151	170	182
	Unknown	0	0	0	0	0	1	1	1	0	0
	Total	476	373	346	352	324	320	317	275	301	322
Washington	Weekday	189	136	153	131	120	135	142	*	*	*
	Weekend	207	182	146	156	143	138	169	*	*	*
	Total	396	318	299	287	263	273	311	*	*	*

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 19: Alcohol-Related Motor Vehicle Crashes by Weekday vs. Weekend and Crash Severity

STATE	PERIOD	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURY CRASHES					
California	Weekday	17,583	15,800	13,873	12,518	11,665	11,147	10,731	9,675	9,442	9,263
	Weekend	22,316	19,248	16,727	15,015	13,937	12,943	12,458	10,990	10,987	10,752
	Unknown	19	17	26	14	18	11	6	7	8	8
	Total	39,918	35,065	30,626	27,547	25,620	24,101	23,195	20,672	20,437	20,023
Florida	Weekday	8,046	6,475	5,985	6,178	6,215	6,065	6,538	6,376	5,739	5,164
	Weekend	11,098	8,183	7,506	7,926	7,811	7,451	7,253	6,795	6,496	6,350
	Unknown	27	28	20	27	30	29	36	33	25	21
	Total	19,171	14,686	13,511	14,131	14,056	13,545	13,827	13,204	12,260	11,535
Georgia	Weekday	3,825	3,422	3,339	3,185	3,369	3,281	3,485	3,172	3,002	*
	Weekend	4,667	4,187	3,775	3,864	3,914	3,862	3,994	3,575	3,237	*
	Total	8,492	7,609	7,114	7,049	7,283	7,143	7,479	6,747	6,239	*
Illinois	Weekday	3,261	3,090	3,026	3,145	2,919	2,746	1,343	2,483	2,211	2,137
	Weekend	4,477	3,963	3,975	4,020	3,839	3,717	1,700	3,331	2,742	2,809
	Unknown	8	5	12	17	16	18	4	8	12	10
	Total	7,746	7,058	7,013	7,182	6,774	6,481	3,047	5,822	4,965	4,956
Indiana	Weekday	3,241	2,823	2,855	2,759	2,662	2,649	2,644	2,509	2,576	2,332
	Weekend	3,766	3,333	2,978	3,081	2,984	3,032	2,846	2,751	2,651	2,518
	Unknown	9	19	21	17	27	21	20	13	21	19
	Total	7,016	6,175	5,854	5,857	5,673	5,702	5,510	5,273	5,248	4,869
Kansas	Weekday	953	930	869	829	775	742	752	731	776	711
	Weekend	1,425	1,275	1,222	1,143	1,300	1,084	1,162	1,122	1,004	1,067
	Unknown	72	69	62	66	61	57	61	54	63	53
	Total	2,450	2,274	2,153	2,038	2,136	1,883	1,975	1,907	1,843	1,831
Maryland	Weekday	2,411	2,003	2,010	2,567	2,446	1,429	1,853	1,739	1,581	1,523
	Weekend	3,195	2,646	2,479	1,643	1,692	1,629	2,076	1,872	1,840	1,779
	Unknown	13	7	9	0	0	1,041	0	0	0	0
	Total	5,619	4,656	4,498	4,210	4,138	4,099	3,929	3,611	3,421	3,302
Michigan	Weekday	6,415	5,706	4,656	4,964	4,907	4,744	4,316	3,980	4,110	3,690
	Weekend	8,377	7,143	5,634	6,166	6,022	5,795	5,287	4,864	4,580	4,350
	Unknown	8	4	177	34	29	24	29	11	18	16
	Total	14,800	12,853	10,467	11,164	10,958	10,563	9,632	8,855	8,708	8,056

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 19: Alcohol-Related Motor Vehicle Crashes by Weekday vs. Weekend and Crash Severity

STATE	PERIOD	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
					INJURY CRASHES (Continued)						
Missouri	Weekday	2,353	2,265	2,225	2,160	1,998	2,122	2,027	1,952	1,816	1,822
	Weekend	2,997	2,709	2,641	2,514	2,608	2,510	2,425	2,272	2,163	2,144
	Unknown	7	12	6	9	6	12	12	12	12	10
	Total	5,357	4,986	4,872	4,683	4,612	4,644	4,464	4,236	3,991	3,976
New Mexico	Weekday	1,102	1,199	1,225	1,275	1,267	1,255	1,148	961	975	750
	Weekend	1,262	1,224	1,391	1,385	1,336	1,315	1,256	1,038	977	852
	Unknown	8	9	13	5	3	1	0	8	1	0
	Total	2,372	2,432	2,629	2,665	2,606	2,571	2,404	2,007	1,953	1,602
North Carolina	Weekday	*	*	3,931	3,568	3,373	3,415	3,613	3,591	3,445	3,418
	Weekend	*	*	4,937	4,815	4,501	4,443	4,416	4,412	4,213	4,356
	Unknown	*	*	15	13	10	8	12	9	5	5
	Total	*	*	8,883	8,396	7,884	7,866	8,041	8,012	7,663	7,779
Ohio	Weekday	7,910	6,905	6,933	6,242	5,666	6,083	5,786	5,815	5,794	5,405
	Weekend	9,209	7,963	7,565	6,979	6,504	6,282	6,248	6,181	5,952	5,807
	Unknown	23	28	13	17	16	10	20	15	17	13
	Total	17,142	14,896	14,511	13,238	12,186	12,375	12,054	12,011	11,763	11,225
Pennsylvania	Weekday	4,810	4,025	4,571	4,246	3,930	4,065	3,977	3,963	3,837	3,818
	Weekend	6,406	5,564	5,924	5,530	5,220	5,404	5,282	5,259	5,040	5,197
	Unknown	17	12	16	19	9	10	14	16	12	13
	Total	11,233	9,601	10,511	9,795	9,159	9,479	9,273	9,238	8,889	9,028
Texas	Weekday	8,652	8,192	8,184	7,912	7,762	7,395	7,473	7,065	6,583	6,176
	Weekend	12,853	12,174	11,866	11,673	12,010	11,005	10,851	10,132	9,479	9,051
	Total	21,505	20,366	20,050	19,585	19,772	18,400	18,324	17,197	16,062	15,227
Utah	Weekday	939	783	967	1,007	1,053	1,159	1,280	1,178	1,109	1,184
	Weekend	880	798	834	842	871	964	1,027	873	925	895
	Unknown	8	3	0	0	1	0	1	0	0	0
	Total	1,827	1,584	1,801	1,849	1,925	2,123	2,308	2,051	2,034	2,079
Virginia	Weekday	3,771	3,445	3,305	3,000	2,857	2,716	2,774	2,644	2,663	2,581
	Weekend	5,399	4,566	4,281	4,029	3,811	3,526	3,259	3,343	3,156	3,121
	Unknown	12	8	15	14	6	8	3	3	2	8
	Total	9,182	8,019	7,601	7,043	6,674	6,250	6,036	5,990	5,821	5,710
Washington	Weekday	4,097	3,786	3,783	3,434	3,387	3,308	3,232	*	*	*
	Weekend	4,749	4,444	4,113	3,748	3,509	3,506	3,432	*	*	*
	Unknown	5	4	2	1	7	4	3	*	*	*
	Total	8,851	8,234	7,898	7,183	6,903	6,818	6,667	*	*	*

** Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 20: Alcohol-Related Motor Vehicle Crashes by Time of Day and Crash Severity

STATE	PERIOD	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						FATAL CRASHES					
California	Day	526	438	405	376	373	336	305	289	274	304
	Night	1,670	1,460	1,238	1,094	1,058	920	902	778	774	824
	Unknown	27	44	33	28	30	23	13	23	18	24
	Total	2,223	1,942	1,676	1,498	1,461	1,279	1,220	1,090	1,066	1,152
Florida	Day	213	136	155	121	139	159	141	180	149	165
	Night	970	804	728	719	712	803	704	637	614	682
	Unknown	23	14	9	11	6	10	8	9	8	10
	Total	1,206	954	892	851	857	972	853	826	771	857
Georgia	Day	149	107	97	110	140	168	214	221	181	*
	Night	468	409	311	329	344	347	422	406	334	*
	Total	617	516	408	439	484	515	636	627	515	*
Illinois	Day	131	98	95	79	80	71	42	73	83	91
	Night	427	451	382	319	381	381	193	334	346	374
	Unknown	10	0	1	6	4	0	0	0	1	0
	Total	568	549	478	404	465	452	235	407	430	465
Indiana	Day	72	61	44	47	56	50	61	40	47	67
	Night	274	278	206	192	198	192	199	198	216	193
	Unknown	7	3	3	7	4	5	5	5	4	3
	Total	353	342	253	246	258	247	265	243	267	263
Kansas	Day	15	14	19	13	23	19	24	24	19	22
	Night	110	92	78	69	77	94	92	68	80	88
	Unknown	0	0	3	4	4	1	3	2	1	2
	Total	125	106	100	86	104	114	119	94	100	112
Maryland	Day	54	34	34	46	42	41	48	34	35	27
	Night	246	209	181	197	162	168	138	158	127	136
	nknown	1	1	1	0	0	0	0	0	0	0
	Total	301	244	216	243	204	209	186	192	162	163
Michigan	Day	98	81	61	69	71	100	85	87	90	101
	Night	564	488	325	335	321	404	389	381	379	376
	Unknown	1	2	4	9	1	6	7	7	7	7
	Total	663	571	390	413	393	510	481	475	476	484
Missouri	Day	55	33	40	40	46	35	45	42	48	32
	Night	186	218	176	176	205	207	203	162	187	163
	Unknown	3	5	4	2	2	2	1	1	3	1
	Total	244	256	220	218	253	244	249	205	238	196

** Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 20: Alcohol-Related Motor Vehicle Crashes by Time of Day and Crash Severity

STATE	PERIOD	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
					FATAL CRASHES (Continued)						
New Mexico	Day	63	46	56	49	39	58	61	45	44	44
	Night	205	194	177	175	162	141	143	128	125	138
	Unknown	5	4	4	2	1	3	2	7	1	0
	Total	273	244	237	226	202	202	206	180	170	182
North Carolina	Day	*	*	104	87	91	81	93	99	86	91
	Night	*	*	388	359	343	332	354	338	349	307
	Unknown	*	*	2	2	2	2	4	2	5	1
	Total	*	*	494	448	436	415	451	439	440	399
Ohio	Day	87	98	89	62	74	87	78	69	76	63
	Night	477	442	380	357	292	317	310	307	307	338
	Unknown	0	0	2	0	0	0	1	0	1	0
	Total	564	540	471	419	366	404	389	376	384	401
Pennsylvania	Day	105	103	105	88	93	93	82	66	105	86
	Night	556	515	475	467	397	381	385	404	390	397
	Unknown	0	1	0	0	0	0	1	1	2	1
	Total	661	619	580	555	490	474	468	471	497	484
Texas	Day	220	199	177	189	179	211	195	174	170	178
	Night	1,221	1,070	1,096	1,024	934	867	980	870	846	813
	Total	1,441	1,269	1,273	1,213	1,113	1,078	1,175	1,044	1,016	991
Utah	Day	17	18	14	14	18	21	16	23	15	16
	Night	45	51	44	43	49	47	39	35	27	40
	Unknown	0	0	1	0	0	0	0	0	0	1
	Total	62	69	59	57	67	68	55	58	42	57
Virginia	Day	87	89	78	99	89	75	81	63	71	84
	Night	387	284	264	253	234	242	234	211	229	238
	Unknown	2	0	4	0	1	3	2	1	1	0
	Total	476	373	346	352	324	320	317	275	301	322
Washington	Day	77	68	64	55	61	57	66	*	*	*
	Night	319	250	235	232	202	216	245	*	*	*
	Total	396	318	299	287	263	273	311	*	*	*

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 20: Alcohol-Related Motor Vehicle Crashes by Time of Day and Crash Severity

STATE	PERIOD	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURY CRASHES					
California	Day	10,130	9,016	8,344	7,489	7,209	6,789	6,442	5,905	5,897	5,684
	Night	29,692	25,962	22,191	20,008	18,351	17,274	16,722	14,742	14,522	14,308
	Unknown	96	87	91	50	60	38	31	25	18	31
	Total	39,918	35,065	30,626	27,547	25,620	24,101	23,195	20,672	20,437	20,023
Florida	Day	3,658	2,766	2,709	2,970	3,016	2,930	3,521	3,609	3,185	2,779
	Night	15,432	11,865	10,746	11,075	10,920	10,505	10,183	9,506	8,977	8,671
	Unknown	81	55	56	86	120	110	123	89	98	85
	Total	19,171	14,686	13,511	14,131	14,056	13,545	13,827	13,204	12,260	11,535
Georgia	Day	2,124	1,968	1,899	1,976	2,114	2,024	2,114	1,966	1,960	*
	Night	6,368	5,641	5,215	5,073	5,169	5,119	5,365	4,781	4,279	*
	Total	8,492	7,609	7,114	7,049	7,283	7,143	7,479	6,747	6,239	*
Illinois	Day	1,470	1,381	1,380	1,405	1,280	1,264	680	1,221	1,094	1,089
	Night	6,244	5,638	5,589	5,695	5,423	5,147	2,346	4,549	3,807	3,821
	Unknown	32	39	44	82	71	70	21	52	64	46
	Total	7,746	7,058	7,013	7,182	6,774	6,481	3,047	5,822	4,965	4,956
Indiana	Day	1,490	1,334	1,324	1,288	1,351	1,339	1,340	1,357	1,320	1,187
	Night	5,466	4,767	4,437	4,495	4,222	4,285	4,084	3,842	3,844	3,596
	Unknown	60	74	93	74	100	78	86	74	84	86
	Total	7,016	6,175	5,854	5,857	5,673	5,702	5,510	5,273	5,248	4,869
Kansas	Day	429	420	384	373	365	370	358	365	396	376
	Night	2,021	1,854	1,752	1,639	1,746	1,505	1,602	1,535	1,443	1,452
	Unknown	0	0	17	26	25	8	15	7	4	3
	Total	2,450	2,274	2,153	2,038	2,136	1,883	1,975	1,907	1,843	1,831
Maryland	Day	1,114	905	915	1,030	1,017	1,011	964	881	841	798
	Night	4,477	3,735	3,558	3,180	3,121	3,088	2,965	2,730	2,580	2,504
	Unknown	28	16	25	0	0	0	0	0	0	0
	Total	5,619	4,656	4,498	4,210	4,138	4,099	3,929	3,611	3,421	3,302
Michigan	Day	2,595	2,333	1,873	2,090	2,146	2,101	1,884	1,733	1,725	1,714
	Night	12,180	10,506	8,416	8,964	8,708	8,353	7,647	7,057	6,901	6,279
	Unknown	25	14	178	110	104	109	101	65	82	63
	Total	14,800	12,853	10,467	11,164	10,958	10,563	9,632	8,855	8,708	8,056
Missouri	Day	1,166	889	879	870	892	942	879	883	832	839
	Night	4,154	4,047	3,955	3,789	3,687	3,652	3,538	3,321	3,128	3,094
	Unknown	37	50	38	24	33	50	47	32	31	43
	Total	5,357	4,986	4,872	4,683	4,612	4,644	4,464	4,236	3,991	3,976

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 20: Alcohol-Related Motor Vehicle Crashes by Time of Day and Crash Severity

STATE	PERIOD	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
					INJURY CRASHES (Continued)						
New Mexico	Day	629	645	709	798	776	741	703	577	575	452
	Night	1,714	1,752	1,871	1,840	1,822	1,821	1,696	1,410	1,374	1,150
	Unknown	29	35	49	27	8	9	5	20	4	0
	Total	2,372	2,432	2,629	2,665	2,606	2,571	2,404	2,007	1,953	1,602
North Carolina	Day	*	*	2,296	2,167	2,011	2,138	2,216	2,131	2,173	2,126
	Night	*	*	6,530	6,190	5,837	5,689	5,794	5,845	5,457	5,622
	Unknown	*	*	57	39	36	39	31	36	33	31
	Total	*	*	8,883	8,396	7,884	7,866	8,041	8,012	7,663	7,779
Ohio	Day	3,522	3,011	3,000	2,895	2,906	3,141	2,990	2,944	2,877	2,768
	Night	13,512	11,793	11,445	10,284	9,224	9,193	9,003	9,012	8,831	8,396
	Unknown	108	92	66	59	56	41	61	55	55	61
	Total	17,142	14,896	14,511	13,238	12,186	12,375	12,054	12,011	11,763	11,225
Pennsylvania	Day	1,791	1,538	1,716	1,645	1,559	1,729	1,589	1,544	1,509	1,592
	Night	9,362	8,011	8,733	8,081	7,553	7,703	7,631	7,652	7,334	7,389
	Unknown	80	52	62	69	47	47	53	42	46	47
	Total	11,233	9,601	10,511	9,795	9,159	9,479	9,273	9,238	8,889	9,028
Texas	Day	3,668	3,503	3,571	3,376	3,445	3,242	3,388	3,205	3,075	2,888
	Night	17,837	16,863	16,479	16,209	16,327	15,158	14,936	13,992	12,987	12,339
	Total	21,505	20,366	20,050	19,585	19,772	18,400	18,324	17,197	16,062	15,227
Utah	Day	656	594	735	724	862	995	1,099	1,022	977	1,000
	Night	1,163	979	1,055	1,121	1,060	1,127	1,209	1,029	1,057	1,079
	Unknown	8	11	11	4	3	1	0	0	0	0
	Total	1,827	1,584	1,801	1,849	1,925	2,123	2,308	2,051	2,034	2,079
Virginia	Day	1,897	1,847	1,864	1,762	1,678	1,496	1,619	1,665	1,566	1,459
	Night	7,248	6,136	5,692	5,251	4,971	4,730	4,404	4,314	4,247	4,219
	Unknown	37	36	45	30	25	24	13	11	8	32
	Total	9,182	8,019	7,601	7,043	6,674	6,250	6,036	5,990	5,821	5,710
Washington	Day	1,861	1,817	1,825	1,700	1,725	1,751	1,703	*	*	*
	Night	6,969	6,401	6,066	5,481	5,163	5,048	4,949	*	*	*
	Unknown	21	16	7	2	15	19	15	*	*	*
	Total	8,851	8,234	7,898	7,183	6,903	6,818	6,667	*	*	*

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 21: Alcohol-Related Motor Vehicle Crashes by Crash Type and Crash Severity

STATE	VEHICLE CRASH TYPE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						FATAL CRASHES					
California	Single	968	829	672	612	574	525	505	451	458	491
	Multiple	1,255	1,113	1,004	886	887	754	715	639	608	661
	Total	2,223	1,942	1,676	1,498	1,461	1,279	1,220	1,090	1,066	1,152
Florida	Single	647	519	504	483	483	550	490	467	416	487
	Multiple	559	435	388	368	374	422	363	359	355	370
	Total	1,206	954	892	851	857	972	853	826	771	857
Georgia	Single	395	334	271	293	221	240	292	258	325	*
	Multiple	222	182	137	146	263	275	344	369	190	*
	Total	617	516	408	439	484	515	636	627	515	*
Illinois	Single	328	346	303	252	281	281	124	250	258	290
	Multiple	240	203	175	152	184	171	111	157	172	175
	Total	568	549	478	404	465	452	235	407	430	465
Indiana	Single	209	227	165	148	175	166	162	172	172	183
	Multiple	144	115	88	98	83	81	103	71	95	80
	Total	353	342	253	246	258	247	265	243	267	263
Kansas	Single	83	76	52	61	75	86	90	64	64	74
	Multiple	42	30	48	25	29	28	29	30	36	38
	Total	125	106	100	86	104	114	119	94	100	112
Maryland	Single	205	157	138	147	129	132	115	131	107	101
	Multiple	96	87	78	96	75	77	71	61	55	62
	Total	301	244	216	243	204	209	186	192	162	163
Michigan	Single	416	371	167	213	174	238	223	210	233	242
	Multiple	247	200	223	200	219	272	258	265	243	242
	Total	663	571	390	413	393	510	481	475	476	484
Missouri	Single	161	190	133	130	158	164	156	129	163	119
	Multiple	83	66	87	88	95	80	93	76	75	77
	Total	244	256	220	218	253	244	249	205	238	196

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 21: Alcohol-Related Motor Vehicle Crashes by Crash Type and Crash Severity

STATE	VEHICLE CRASH TYPE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
FATAL CRASHES (Continued)											
New Mexico	Single	197	173	169	174	140	154	134	121	123	120
	Multiple	76	71	68	52	62	48	72	59	47	62
	Total	273	244	237	226	202	202	206	180	170	182
North Carolina	Single	*	*	258	227	228	227	238	239	223	215
	Multiple	*	*	236	221	208	188	213	200	217	184
	Total	*	*	494	448	436	415	451	439	440	399
Ohio	Single	299	294	262	241	193	224	211	197	235	228
	Multiple	265	246	209	178	173	180	178	179	149	173
	Total	564	540	471	419	366	404	389	376	384	401
Pennsylvania	Single	440	425	387	368	323	321	306	311	322	331
	Multiple	221	194	193	187	167	153	162	160	175	153
	Total	661	619	580	555	490	474	468	471	497	484
Texas	Single	953	824	834	758	695	663	751	653	662	647
	Multiple	488	445	439	455	418	415	424	391	354	344
	Total	1,441	1,269	1,273	1,213	1,113	1,078	1,175	1,044	1,016	991
Utah	Single	41	48	41	39	49	47	44	34	28	38
	Multiple	21	21	18	18	18	21	11	24	14	19
	Total	62	69	59	57	67	68	55	58	42	57
Virginia	Single	334	259	253	242	217	227	223	190	220	235
	Multiple	142	114	93	110	107	93	94	85	81	87
	Total	476	373	346	352	324	320	317	275	301	322
Washington	Single	267	215	193	207	173	202	209	*	*	*
	Multiple	129	103	106	80	90	71	102	*	*	*
	Total	396	318	299	287	263	273	311	*	*	*

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 21: Alcohol-Related Motor Vehicle Crashes by Crash Type and Crash Severity

STATE	VEHICLE CRASH TYPE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURY CRASHES					
California	Single	14,349	12,714	10,560	9,258	8,689	8,368	8,104	7,268	7,170	7,103
	Multiple	25,569	22,351	20,066	18,289	16,931	15,733	15,091	13,404	13,267	12,920
	Total	39,918	35,065	30,626	27,547	25,620	24,101	23,195	20,672	20,437	20,023
Florida	Single	7,823	5,951	5,396	5,424	5,329	5,096	5,124	4,752	4,565	4,381
	Multiple	11,348	8,735	8,115	8,707	8,727	8,449	8,703	8,452	7,695	7,154
	Total	19,171	14,686	13,511	14,131	14,056	13,545	13,827	13,204	12,260	11,535
Georgia	Single	4,141	3,644	3,377	3,334	3,048	3,139	3,299	2,915	2,936	*
	Multiple	4,351	3,965	3,737	3,715	4,235	4,004	4,179	3,832	3,303	*
	Unknown	0	0	0	0	0	0	1	0	0	*
	Total	8,492	7,609	7,114	7,049	7,283	7,143	7,479	6,747	6,239	*
Illinois	Single	3,762	3,464	3,329	3,224	3,329	3,177	1,188	2,555	2,315	2,430
	Multiple	3,984	3,594	3,684	3,958	3,445	3,304	1,859	3,267	2,650	2,526
	Total	7,746	7,058	7,013	7,182	6,774	6,481	3,047	5,822	4,965	4,956
Indiana	Single	3,792	3,348	3,075	3,126	3,033	3,067	3,003	2,829	2,838	2,701
	Multiple	3,224	2,827	2,779	2,731	2,640	2,635	2,507	2,444	2,410	2,168
	Total	7,016	6,175	5,854	5,857	5,673	5,702	5,510	5,273	5,248	4,869
Kansas	Single	1,546	1,430	1,331	1,253	1,330	1,168	1,260	1,227	1,146	1,175
	Multiple	904	844	822	785	806	715	715	680	697	656
	Total	2,450	2,274	2,153	2,038	2,136	1,883	1,975	1,907	1,843	1,831
Maryland	Single	2,756	2,349	2,197	1,826	1,843	1,848	1,808	1,707	1,686	1,541
	Multiple	2,863	2,307	2,301	2,384	2,295	2,251	2,121	1,904	1,735	1,761
	Total	5,619	4,656	4,498	4,210	4,138	4,099	3,929	3,611	3,421	3,302
Michigan	Single	8,327	7,258	4,788	5,104	4,985	4,782	4,465	4,051	4,254	4,075
	Multiple	6,473	5,595	5,679	6,060	5,973	5,781	5,167	4,804	4,454	3,981
	Total	14,800	12,853	10,467	11,164	10,958	10,563	9,632	8,855	8,708	8,056
Missouri	Single	2,960	2,850	2,826	2,661	2,693	2,710	2,629	2,494	2,489	2,437
	Multiple	2,397	2,136	2,046	2,022	1,919	1,934	1,835	1,742	1,502	1,539
	Total	5,357	4,986	4,872	4,683	4,612	4,644	4,464	4,236	3,991	3,976

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 21: Alcohol-Related Motor Vehicle Crashes by Crash Type and Crash Severity

STATE	VEHICLE CRASH TYPE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
					INJURY CRASHES (Continued)						
New Mexico	Single	1,218	1,238	1,282	1,248	1,163	1,183	1,125	937	872	722
	Multiple	1,154	1,194	1,347	1,417	1,443	1,388	1,279	1,070	1,081	880
	Total	2,372	2,432	2,629	2,665	2,606	2,571	2,404	2,007	1,953	1,602
North Carolina	Single	*	*	4,722	4,427	4,176	4,029	4,055	4,121	3,980	4,103
	Multiple	*	*	4,161	3,969	3,708	3,837	3,986	3,891	3,683	3,676
	Total	*	*	8,883	8,396	7,884	7,866	8,041	8,012	7,663	7,779
Ohio	Single	8,204	7,358	6,957	6,221	5,641	5,797	5,567	5,522	5,609	5,330
	Multiple	8,938	7,538	7,554	7,017	6,545	6,578	6,487	6,489	6,154	5,895
	Total	17,142	14,896	14,511	13,238	12,186	12,375	12,054	12,011	11,763	11,225
Pennsylvania	Single	7,320	6,282	6,628	6,138	5,707	5,926	5,865	5,947	5,797	5,815
	Multiple	3,913	3,319	3,883	3,657	3,452	3,553	3,408	3,291	3,092	3,213
	Total	11,233	9,601	10,511	9,795	9,159	9,479	9,273	9,238	8,889	9,028
Texas	Single	10,099	9,248	8,864	8,607	8,690	7,997	8,121	7,451	7,056	6,793
	Multiple	11,406	11,118	11,186	10,978	11,082	10,403	10,203	9,746	9,006	8,434
	Total	21,505	20,366	20,050	19,585	19,772	18,400	18,324	17,197	16,062	15,227
Utah	Single	955	836	940	962	974	1,156	1,241	1,077	990	1,034
	Multiple	872	748	861	887	951	967	1,067	974	1,044	1,045
	Total	1,827	1,584	1,801	1,849	1,925	2,123	2,308	2,051	2,034	2,079
Virginia	Single	5,488	4,904	4,566	4,127	3,846	3,670	3,560	3,586	3,466	3,412
	Multiple	3,694	3,115	3,035	2,916	2,828	2,580	2,476	2,404	2,355	2,298
	Total	9,182	8,019	7,601	7,043	6,674	6,250	6,036	5,990	5,821	5,710
Washington	Single	4,768	4,550	4,295	3,708	3,592	3,539	3,399	*	*	*
	Multiple	4,083	3,684	3,603	3,475	3,311	3,279	3,268	*	*	*
	Total	8,851	8,234	7,898	7,183	6,903	6,818	6,667	*	*	*

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 22: Total Motor Vehicles Involved in Alcohol-Related Motor Vehicle Crashes by Crash Severity

STATE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
FATAL CRASHES										
California	3,344	2,944	2,604	2,274	2,207	1,936	1,835	1,612	1,556	1,700
Florida	1,830	1,393	1,335	1,259	1,260	1,441	1,253	1,227	1,174	1,263
Georgia	868	727	564	619	813	835	1,045	1,091	831	*
Illinois	909	803	688	600	688	689	376	596	646	683
Indiana	522	473	357	356	355	337	384	330	380	354
Kansas	171	137	157	114	135	145	152	127	137	152
Maryland	417	351	323	358	294	318	276	280	232	234
Michigan	940	795	549	573	585	729	680	685	687	680
Missouri	341	325	334	327	364	337	363	298	325	295
New Mexico	359	318	317	288	279	257	291	251	221	254
North Carolina	*	*	641	602	580	530	623	589	584	536
Ohio	781	765	652	582	519	573	557	550	516	564
Pennsylvania	916	825	803	764	670	657	653	651	692	655
Texas	1,966	1,744	1,757	1,734	1,573	1,542	1,649	1,466	1,412	1,376
Utah	90	99	80	80	87	96	72	85	59	81
Virginia	642	491	455	478	443	418	418	368	383	438
Washington	548	443	424	386	380	353	437	*	*	*
INJURY CRASHES										
California	68,308	59,776	52,795	47,294	44,106	40,854	39,325	34,817	34,375	33,821
Florida	32,124	24,476	22,566	23,946	23,933	23,152	23,879	23,014	21,171	19,898
Georgia	13,520	12,222	11,452	11,388	12,190	11,838	12,387	11,173	10,278	*
Illinois	12,735	11,493	11,685	12,155	10,986	10,607	5,340	9,880	8,184	8,054
Indiana	10,937	9,563	9,223	9,171	8,863	8,877	8,501	8,222	8,176	7,501
Kansas	3,477	3,195	3,093	2,915	3,052	2,681	2,775	2,666	2,652	2,577
Maryland	9,202	7,447	7,325	7,224	7,025	6,910	6,582	6,025	5,569	5,570
Michigan	22,156	19,279	16,001	17,341	17,073	16,614	15,051	13,875	13,409	12,245
Missouri	8,229	7,543	7,306	7,088	6,911	6,985	6,702	6,313	5,802	5,847
New Mexico	3,719	3,811	4,187	4,326	4,275	4,181	3,877	3,242	3,187	2,602
North Carolina	*	*	13,108	12,393	11,588	11,802	12,169	11,991	11,470	11,623
Ohio	26,865	23,231	22,949	20,987	19,372	19,647	19,188	19,094	18,372	17,634
Pennsylvania	15,614	13,272	14,831	13,852	12,972	13,456	13,015	12,904	12,306	12,670
Texas	33,240	31,785	31,588	31,003	31,498	29,291	29,182	27,560	25,734	24,197
Utah	2,910	2,501	2,877	2,920	3,089	3,338	3,649	3,249	3,359	3,403
Virginia	13,352	11,496	11,055	10,311	9,846	9,154	8,870	8,702	8,533	8,344
Washington	13,784	12,606	12,367	11,413	10,969	10,790	10,699	*	*	*

**Data not available.*

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 23: Persons Killed or Injured in Alcohol-Related Motor Vehicle Crashes

STATE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
KILLED										
California	2,496	2,166	1,952	1,706	1,629	1,485	1,370	1,240	1,201	1,309
Florida	1,367	1,065	1,012	944	961	1,073	944	926	862	946
Georgia	680	583	457	488	534	568	712	706	566	*
Illinois	628	637	526	461	530	508	287	460	492	540
Indiana	410	390	289	276	290	277	299	268	299	297
Kansas	138	118	113	99	117	126	131	107	113	133
Maryland	330	268	242	274	221	230	210	203	174	176
Michigan	742	635	423	461	440	564	547	538	525	541
Missouri	272	278	249	244	288	266	286	242	277	217
New Mexico	316	275	279	256	228	230	238	213	193	206
North Carolina	*	*	548	496	495	451	506	497	490	442
Ohio	626	604	522	477	399	458	429	426	418	448
Pennsylvania	725	684	640	609	530	525	510	525	547	539
Texas	1,627	1,464	1,446	1,408	1,314	1,239	1,379	1,182	1,165	1,106
Utah	68	81	66	72	79	77	62	68	46	60
Virginia	538	429	379	397	376	360	348	302	336	364
Washington	455	354	329	326	300	310	357	*	*	*
INJURED										
California	64,964	56,797	50,165	44,372	40,954	38,398	36,898	32,501	32,146	31,259
Florida	32,812	24,474	22,594	23,540	23,556	22,409	22,744	21,772	20,066	19,089
Georgia	14,081	12,668	11,640	11,712	12,678	12,219	12,850	11,600	10,311	*
Illinois	12,871	11,301	11,415	11,636	10,957	10,494	5,177	9,385	8,048	7,792
Indiana	10,652	9,260	8,753	8,755	8,395	8,527	8,136	7,817	7,736	7,093
Kansas	3,906	3,661	3,545	3,267	3,362	2,990	3,132	2,979	2,871	2,900
Maryland	9,212	7,504	7,473	7,289	7,000	6,712	6,504	5,956	5,391	5,241
Michigan	23,195	20,272	15,859	16,887	16,478	16,054	14,323	13,355	12,657	11,754
Missouri	8,807	7,943	7,795	7,609	7,531	7,335	7,107	6,781	6,348	6,282
New Mexico	4,080	4,165	4,424	4,372	4,414	4,284	4,092	3,462	3,265	2,653
North Carolina	*	*	14,352	13,623	12,674	12,743	13,281	12,939	12,257	12,362
Ohio	28,114	24,452	24,080	21,512	19,786	20,171	19,841	19,460	18,892	17,968
Pennsylvania	17,285	14,917	16,215	15,053	13,885	14,486	13,868	14,119	13,212	13,455
Texas	36,764	34,854	34,538	34,246	34,714	32,250	32,357	30,042	27,550	25,963
Utah	2,972	2,610	2,900	3,054	3,138	3,313	3,638	3,230	3,235	3,288
Virginia	14,072	12,187	11,470	10,812	10,258	9,381	9,083	9,124	8,555	8,359
Washington	13,945	12,804	12,322	11,238	10,744	10,733	10,559	*	*	*

**Data not available.*

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 24: Alcohol-Related Motor Vehicle Crash Fatality and Injury Rates per 100,000 Residents

STATE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
KILLED										
California	8.3	7.1	6.3	5.5	5.2	4.7	4.3	3.8	3.7	3.9
Florida	10.5	8.0	7.5	6.9	6.9	7.6	6.5	6.3	5.8	6.3
Georgia	10.5	8.8	6.8	7.1	7.6	7.9	9.7	9.4	7.4	*
Illinois	5.5	5.5	4.5	3.9	4.5	4.3	2.4	3.8	4.1	4.5
Indiana	7.4	7.0	5.1	4.8	5.0	4.8	5.1	4.6	5.1	5.0
Kansas	5.6	4.7	4.5	3.9	4.6	4.9	5.0	4.1	4.3	5.0
Maryland	6.9	5.5	4.9	5.5	4.4	4.6	4.2	4.0	3.4	3.4
Michigan	8.0	6.8	4.5	4.8	4.6	5.8	5.6	5.5	5.3	5.5
Missouri	5.3	5.4	4.8	4.7	5.5	5.0	5.3	4.5	5.1	4.0
New Mexico	20.8	17.8	17.6	15.9	13.8	13.7	13.9	12.4	11.1	11.8
North Carolina	*	*	8.0	7.1	7.0	6.3	6.9	6.7	6.5	5.8
Ohio	5.8	5.5	4.7	4.3	3.6	4.1	3.8	3.8	3.7	4.0
Pennsylvania	6.1	5.7	5.3	5.1	4.4	4.4	4.2	4.4	4.6	4.5
Texas	9.5	8.4	8.2	7.8	7.2	6.6	7.3	6.1	5.9	5.5
Utah	3.9	4.6	3.6	3.8	4.1	3.9	3.1	3.3	2.2	2.8
Virginia	8.7	6.8	5.9	6.1	5.8	5.5	5.2	4.5	4.9	5.3
Washington	9.3	7.1	6.4	6.2	5.6	5.7	6.5	*	*	*
INJURED										
California	216.9	186.7	162.5	142.5	130.8	121.9	116.1	100.9	98.4	94.3
Florida	252.0	184.2	167.3	171.7	168.7	158.0	157.6	148.3	134.6	126.3
Georgia	216.4	191.3	172.2	169.9	179.9	170.0	175.3	155.0	135.0	*
Illinois	112.4	98.0	98.1	99.2	92.8	88.3	43.3	78.1	66.7	64.2
Indiana	191.8	165.3	155.0	153.5	146.1	147.2	139.4	133.1	130.9	119.4
Kansas	157.5	146.7	140.3	128.2	130.9	115.6	120.5	113.9	108.8	109.3
Maryland	192.0	154.5	152.4	147.5	140.4	133.6	128.6	116.9	105.1	101.3
Michigan	249.1	215.8	167.5	177.2	171.9	166.2	147.1	136.5	128.9	119.2
Missouri	171.8	154.0	150.1	145.3	142.6	137.8	132.4	125.4	116.7	114.9
New Mexico	268.4	269.2	279.9	270.7	267.0	254.6	239.8	200.9	188.3	152.5
North Carolina	*	*	210.1	196.1	179.5	177.3	181.7	174.2	162.4	161.6
Ohio	258.8	223.6	218.8	194.3	178.1	180.8	177.4	173.6	168.1	159.6
Pennsylvania	145.3	124.9	135.3	125.2	115.3	120.3	115.2	117.5	110.1	112.2
Texas	215.7	201.0	195.7	190.3	189.3	172.6	170.2	155.2	139.8	129.5
Utah	171.8	147.3	159.2	162.8	162.6	167.6	179.9	156.4	154.0	154.4
Virginia	226.5	193.9	179.7	167.2	156.9	142.1	136.3	135.5	126.0	121.6
Washington	284.5	255.4	239.8	214.2	201.4	197.6	191.6	*	*	*

**Data not available.*

Population estimates obtained from U.S. Census Bureau report ST-99-3.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 25: Persons Killed or Injured in Alcohol-Related Motor Vehicle Crashes by Person Type and Sex

STATE	TYPE – SEX	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
KILLED											
California	Driver – Male	1,215	1,013	876	759	740	633	562	515	479	589
	Driver – Female	212	185	191	172	138	155	145	123	115	109
	Passenger – Male	375	355	337	272	231	248	212	197	200	181
	Passenger – Female	243	187	201	148	159	161	157	136	131	136
	Pedestrian – Male	322	298	249	249	270	196	201	191	199	223
	Pedestrian – Female	80	86	56	64	53	55	56	44	50	37
	Pedalcyclist – Male	36	27	35	35	30	33	30	30	23	29
	Pedalcyclist – Female	3	1	1	2	2	3	4	3	4	3
	Unknown	10	14	6	5	6	1	3	1	0	2
	Total	2,496	2,166	1,952	1,706	1,629	1,485	1,370	1,240	1,201	1,309
INJURED											
California	Driver – Male	28,509	24,883	21,790	18,957	17,717	16,090	15,443	13,444	13,156	12,926
	Driver – Female	9,239	8,044	7,319	6,583	6,294	6,185	5,935	5,333	5,352	5,472
	Passenger – Male	12,495	10,708	9,510	8,053	7,132	6,703	6,485	5,443	5,541	5,240
	Passenger – Female	10,530	9,279	8,182	7,470	6,720	6,295	6,023	5,319	5,269	5,034
	Pedestrian – Male	2,095	1,907	1,653	1,651	1,493	1,516	1,438	1,254	1,303	1,183
	Pedestrian – Female	639	574	504	538	496	452	455	481	446	390
	Pedalcyclist – Male	1,113	1,088	971	890	839	911	907	994	902	833
	Pedalcyclist – Female	119	114	118	103	116	120	105	122	99	103
	Unknown	225	200	118	127	147	126	107	111	78	78
	Total	64,964	56,797	50,165	44,372	40,954	38,398	36,898	32,501	32,146	31,259
KILLED											
Florida	Driver – Male	618	456	416	426	415	465	413	389	367	445
	Driver – Female	146	123	131	103	88	118	87	125	105	90
	Passenger – Male	0	0	0	0	0	0	0	0	0	0
	Passenger – Female	0	0	0	0	0	0	0	0	0	0
	Pedestrian – Male	185	146	159	152	151	193	174	155	143	153
	Pedestrian – Female	59	42	50	26	52	48	44	44	36	38
	Pedalcyclist – Male	46	49	27	38	33	48	29	30	27	39
	Pedalcyclist – Female	5	5	2	0	4	5	5	1	4	2
	Unknown	308	244	227	199	218	196	192	182	180	179
	Total	1,367	1,065	1,012	944	961	1,073	944	926	862	946

Rows listed as "Unknown" are only included where necessary. The "Unknown" category includes persons of unknown person type and/or unknown sex.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 25: Persons Killed or Injured in Alcohol-Related Motor Vehicle Crashes by Person Type and Sex

STATE	TYPE – SEX	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURED					
Florida	Driver – Male	14,218	10,399	9,673	10,092	10,026	9,503	9,618	9,239	8,688	8,441
	Driver – Female	5,513	4,087	3,870	4,132	4,103	4,039	4,416	4,241	3,767	3,479
	Passenger – Male	0	0	0	0	0	0	0	0	0	0
	Passenger – Female	0	0	0	0	0	0	0	0	0	0
	Pedestrian – Male	1,109	940	793	925	939	867	863	826	769	669
	Pedestrian – Female	356	310	280	294	283	283	266	281	252	232
	Pedalcyclist – Male	527	511	471	492	490	502	476	433	366	307
	Pedalcyclist – Female	69	61	59	45	59	57	51	60	47	41
	Unknown	11,020	8,166	7,448	7,560	7,656	7,158	7,054	6,692	6,177	5,920
	Total	32,812	24,474	22,594	23,540	23,556	22,409	22,744	21,772	20,066	19,089
						KILLED					
Georgia	Driver – Male	341	290	227	231	243	268	330	321	284	*
	Driver – Female	78	65	52	52	60	72	84	101	93	*
	Passenger – Male	105	86	68	67	70	74	101	102	70	*
	Passenger – Female	65	63	43	47	43	52	73	55	37	*
	Pedestrian – Male	73	59	50	71	89	76	89	90	61	*
	Pedestrian – Female	15	15	13	15	23	20	28	32	17	*
	Pedalcyclist – Male	2	5	3	4	5	6	6	5	4	*
	Pedalcyclist – Female	0	0	1	1	1	0	1	0	0	*
	Unknown	1	0	0	0	0	0	0	0	0	*
	Total	680	583	457	488	534	568	712	706	566	*
						INJURED					
Georgia	Driver – Male	6,326	5,642	5,158	5,139	5,483	5,441	5,608	5,061	4,612	*
	Driver – Female	2,293	2,138	2,019	2,020	2,296	2,166	2,377	2,095	1,914	*
	Passenger – Male	2,752	2,367	2,172	2,152	2,415	2,325	2,413	2,211	1,902	*
	Passenger – Female	2,250	2,097	1,873	2,010	2,201	1,987	2,135	1,907	1,649	*
	Pedestrian – Male	276	290	285	226	154	175	176	206	123	*
	Pedestrian – Female	99	72	81	102	56	72	69	66	41	*
	Pedalcyclist – Male	49	54	40	58	66	47	61	48	45	*
	Pedalcyclist – Female	5	6	6	4	7	6	11	6	5	*
	Unknown	31	2	6	1	0	0	0	0	20	*
	Total	14,081	12,668	11,640	11,712	12,678	12,219	12,850	11,600	10,311	*

**Data not available.*

Rows listed as "Unknown" are only included where necessary. The "Unknown" category includes persons of unknown person type and/or unknown sex.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 25: Persons Killed or Injured in Alcohol-Related Motor Vehicle Crashes by Person Type and Sex

STATE	TYPE – SEX	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED					
Illinois	Driver – Male	403	376	321	265	325	305	148	265	296	308
	Driver – Female	82	90	67	59	68	58	41	61	47	63
	Passenger – Male	66	88	70	75	60	71	46	52	77	77
	Passenger – Female	49	46	43	39	44	50	30	51	46	69
	Pedestrian – Male	18	25	13	14	22	16	14	18	12	13
	Pedestrian – Female	9	6	4	6	8	5	6	9	6	5
	Pedalcyclist – Male	0	5	7	3	1	2	2	3	6	5
	Pedalcyclist – Female	0	1	0	0	2	1	0	0	0	0
	Unknown	1	0	1	0	0	0	0	1	2	0
	Total	628	637	526	461	530	508	287	460	492	540
						INJURED					
Illinois	Driver – Male	6,204	5,574	5,462	5,709	5,381	5,186	2,490	4,542	3,962	3,853
	Driver – Female	2,078	1,765	1,919	1,943	1,847	1,776	1,035	1,737	1,496	1,445
	Passenger – Male	2,280	2,044	1,973	2,026	1,909	1,787	808	1,587	1,323	1,268
	Passenger – Female	2,082	1,676	1,820	1,767	1,653	1,601	792	1,335	1,140	1,081
	Pedestrian – Male	138	128	132	104	80	79	32	99	72	71
	Pedestrian – Female	53	63	57	42	34	33	8	42	27	27
	Pedalcyclist – Male	18	25	24	30	42	28	11	36	23	44
	Pedalcyclist – Female	6	7	4	4	8	3	1	4	4	3
	Unknown	12	19	24	11	3	1	0	3	1	0
	Total	12,871	11,301	11,415	11,636	10,957	10,494	5,177	9,385	8,048	7,792
						KILLED					
Indiana	Driver – Male	230	235	155	156	162	143	156	142	152	167
	Driver – Female	40	35	40	35	39	37	37	33	32	38
	Passenger – Male	63	49	44	35	42	46	50	54	40	36
	Passenger – Female	40	38	21	23	29	31	27	12	39	28
	Pedestrian – Male	20	21	22	18	12	8	17	20	25	17
	Pedestrian – Female	11	9	3	5	4	8	12	3	5	6
	Pedalcyclist – Male	3	2	1	2	1	2	0	2	2	2
	Pedalcyclist – Female	0	0	3	1	0	1	0	1	0	0
	Unknown	3	1	0	1	1	1	0	1	4	3
	Total	410	390	289	276	290	277	299	268	299	297

Rows listed as "Unknown" are only included where necessary. The "Unknown" category includes persons of unknown person type and/or unknown sex.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 25: Persons Killed or Injured in Alcohol-Related Motor Vehicle Crashes by Person Type and Sex

STATE	TYPE – SEX	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURED					
Indiana	Driver – Male	5,186	4,559	4,337	4,340	4,200	4,161	4,012	3,853	3,898	3,622
	Driver – Female	1,711	1,467	1,520	1,484	1,478	1,467	1,440	1,463	1,397	1,195
	Passenger – Male	1,653	1,412	1,244	1,318	1,245	1,274	1,148	1,061	1,028	988
	Passenger – Female	1,498	1,279	1,231	1,192	1,112	1,184	1,112	1,030	1,058	968
	Pedestrian – Male	208	206	158	135	144	191	167	160	149	133
	Pedestrian – Female	75	78	55	62	43	50	73	60	63	53
	Pedalcyclist – Male	33	31	31	33	20	33	28	21	27	27
	Pedalcyclist – Female	14	9	3	7	3	6	5	10	6	3
	Unknown	274	219	174	184	150	161	151	159	110	104
	Total	10,652	9,260	8,753	8,755	8,395	8,527	8,136	7,817	7,736	7,093
						KILLED					
Kansas	Driver – Male	71	63	70	57	63	63	70	55	65	57
	Driver – Female	14	14	12	13	14	18	21	16	14	19
	Passenger – Male	21	21	20	12	24	18	22	18	16	32
	Passenger – Female	19	17	10	9	13	17	12	8	6	11
	Pedestrian – Male	8	2	1	5	3	8	5	6	8	8
	Pedestrian – Female	4	1	0	3	0	2	1	3	2	3
	Pedalcyclist – Male	1	0	0	0	0	0	0	1	1	3
	Pedalcyclist – Female	0	0	0	0	0	0	0	0	0	0
	Unknown	0	0	0	0	0	0	0	0	1	0
	Total	138	118	113	99	117	126	131	107	113	133
						INJURED					
Kansas	Driver – Male	1,861	1,740	1,651	1,536	1,611	1,434	1,485	1,439	1,371	1,391
	Driver – Female	577	559	535	522	560	468	535	503	474	470
	Passenger – Male	784	713	704	585	611	565	563	531	543	567
	Passenger – Female	601	537	581	532	505	455	484	431	409	419
	Pedestrian – Male	47	64	44	48	37	36	31	45	36	27
	Pedestrian – Female	16	17	13	24	18	12	16	9	19	11
	Pedalcyclist – Male	12	11	5	10	7	12	9	7	10	7
	Pedalcyclist – Female	4	0	0	1	0	2	0	1	0	0
	Unknown	4	20	12	9	13	6	9	13	9	8
	Total	3,906	3,661	3,545	3,267	3,362	2,990	3,132	2,979	2,871	2,900

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Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 25: Persons Killed or Injured in Alcohol-Related Motor Vehicle Crashes by Person Type and Sex

STATE	TYPE – SEX	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED					
Maryland	Driver – Male	173	123	125	128	103	128	104	92	75	85
	Driver – Female	23	31	22	27	16	20	24	31	18	18
	Passenger – Male	51	28	32	51	31	24	24	21	29	20
	Passenger – Female	21	25	23	18	17	20	21	15	17	14
	Pedestrian – Male	47	48	27	39	33	27	31	32	22	25
	Pedestrian – Female	8	11	9	9	12	6	6	9	8	10
	Pedalcyclist – Male	7	2	4	2	4	2	0	2	5	4
	Pedalcyclist – Female	0	0	0	0	1	0	0	1	0	0
	Unknown	0	0	0	0	4	3	0	0	0	0
	Total	330	268	242	274	221	230	210	203	174	176
						INJURED					
Maryland	Driver – Male	4,199	3,415	3,245	3,231	3,063	2,940	2,788	2,606	2,337	2,329
	Driver – Female	1,379	1,150	1,209	1,321	1,250	1,292	1,197	1,086	1,089	985
	Passenger – Male	1,607	1,279	1,310	1,237	1,160	1,015	1,048	938	808	832
	Passenger – Female	1,383	1,104	1,166	1,174	1,137	1,054	1,050	914	811	747
	Pedestrian – Male	468	389	379	182	237	234	248	229	207	205
	Pedestrian – Female	102	95	95	69	71	78	76	83	53	71
	Pedalcyclist – Male	70	70	65	29	43	50	44	53	50	47
	Pedalcyclist – Female	4	2	4	2	7	6	12	6	6	4
	Unknown	0	0	0	44	32	43	41	41	30	21
	Total	9,212	7,504	7,473	7,289	7,000	6,712	6,504	5,956	5,391	5,241
						KILLED					
Michigan	Driver – Male	402	318	224	237	223	279	265	274	294	265
	Driver – Female	78	80	41	51	50	61	64	55	65	66
	Passenger – Male	92	96	56	64	61	64	70	73	59	69
	Passenger – Female	68	55	34	44	39	55	46	51	26	41
	Pedestrian – Male	72	51	29	38	41	52	53	52	46	65
	Pedestrian – Female	21	27	8	13	9	25	19	14	18	15
	Pedalcyclist – Male	8	6	4	3	2	7	8	7	8	7
	Pedalcyclist – Female	0	1	1	2	1	2	1	0	0	1
	Unknown	1	1	26	9	14	19	21	12	9	12
	Total	742	635	423	461	440	564	547	538	525	541

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Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 25: Persons Killed or Injured in Alcohol-Related Motor Vehicle Crashes by Person Type and Sex

STATE	TYPE – SEX	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURED					
Michigan	Driver – Male	11,293	9,710	7,263	8,188	7,922	7,576	6,872	6,417	6,138	5,689
	Driver – Female	4,015	3,479	2,781	3,051	3,003	2,985	2,755	2,499	2,514	2,266
	Passenger – Male	3,833	3,501	2,236	2,365	2,194	2,162	1,963	1,896	1,673	1,624
	Passenger – Female	3,501	3,068	2,081	2,174	2,197	2,243	1,820	1,689	1,528	1,434
	Pedestrian – Male	245	199	195	251	291	297	229	231	221	192
	Pedestrian – Female	105	85	61	79	105	87	81	81	83	80
	Pedalcyclist – Male	94	90	92	87	112	113	103	112	102	88
	Pedalcyclist – Female	21	21	8	20	19	16	12	13	13	15
	Unknown	88	119	1,142	672	635	575	488	417	385	366
	Total	23,195	20,272	15,859	16,887	16,478	16,054	14,323	13,355	12,657	11,754
						KILLED					
Missouri	Driver – Male	124	163	134	108	144	135	150	124	136	116
	Driver – Female	31	28	20	33	29	26	38	31	25	17
	Passenger – Male	65	48	40	54	50	53	54	50	60	45
	Passenger – Female	26	22	41	26	37	24	23	27	25	28
	Pedestrian – Male	20	11	10	19	19	23	18	6	23	9
	Pedestrian – Female	5	4	3	2	8	4	3	4	7	2
	Pedalcyclist – Male	1	2	1	2	1	1	0	0	1	0
	Pedalcyclist – Female	0	0	0	0	0	0	0	0	0	0
	Total	272	278	249	244	288	266	286	242	277	217
						INJURED					
Missouri	Driver – Male	4,322	3,781	3,742	3,619	3,577	3,631	3,457	3,270	3,007	3,007
	Driver – Female	1,291	1,270	1,283	1,196	1,200	1,123	1,125	1,123	1,020	997
	Passenger – Male	1,627	1,455	1,452	1,413	1,402	1,341	1,327	1,251	1,217	1,188
	Passenger – Female	1,364	1,220	1,132	1,208	1,205	1,101	1,053	998	953	927
	Pedestrian – Male	136	132	123	114	95	88	94	85	90	104
	Pedestrian – Female	50	47	38	35	33	33	29	22	32	39
	Pedalcyclist – Male	12	23	10	18	11	10	11	18	16	9
	Pedalcyclist – Female	1	1	1	0	0	2	0	3	2	1
	Unknown	4	14	14	6	8	6	11	11	11	10
	Total	8,807	7,943	7,795	7,609	7,531	7,335	7,107	6,781	6,348	6,282

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Table 25: Persons Killed or Injured in Alcohol-Related Motor Vehicle Crashes by Person Type and Sex

STATE	TYPE – SEX	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED					
New Mexico	Driver – Male	137	121	114	108	98	97	105	92	80	93
	Driver – Female	25	22	24	24	21	16	13	20	20	23
	Passenger – Male	51	45	48	42	36	38	43	31	26	29
	Passenger – Female	40	22	28	26	21	21	30	26	32	18
	Pedestrian – Male	50	57	58	47	43	44	34	32	27	27
	Pedestrian – Female	13	7	7	7	8	12	6	7	8	11
	Pedalcyclist – Male	0	1	0	1	1	2	1	2	0	3
	Pedalcyclist – Female	0	0	0	1	0	0	0	0	0	0
	Unknown	0	0	0	0	0	0	6	3	0	2
	Total	316	275	279	256	228	230	238	213	193	206
						INJURED					
New Mexico	Driver – Male	1,823	1,839	1,848	1,818	1,836	1,834	1,692	1,443	1,324	1,129
	Driver – Female	612	614	706	760	751	745	671	594	627	488
	Passenger – Male	850	853	849	799	895	830	792	638	593	441
	Passenger – Female	679	734	828	783	786	712	737	633	584	462
	Pedestrian – Male	75	75	127	142	96	92	117	90	73	75
	Pedestrian – Female	22	24	31	38	27	29	33	16	28	23
	Pedalcyclist – Male	12	19	25	18	15	24	25	18	22	10
	Pedalcyclist – Female	2	2	7	3	2	4	4	3	0	0
	Unknown	5	5	3	11	6	14	21	27	14	25
	Total	4,080	4,165	4,424	4,372	4,414	4,284	4,092	3,462	3,265	2,653
						KILLED					
North Carolina	Driver – Male	*	*	245	254	229	218	261	245	239	232
	Driver – Female	*	*	51	35	45	39	47	61	43	31
	Passenger – Male	*	*	94	70	87	78	70	69	67	68
	Passenger – Female	*	*	41	39	48	23	49	43	33	34
	Pedestrian – Male	*	*	87	72	57	69	53	51	76	59
	Pedestrian – Female	*	*	19	16	18	12	14	17	14	9
	Pedalcyclist – Male	*	*	10	8	9	10	11	9	16	9
	Pedalcyclist – Female	*	*	1	0	0	1	0	2	0	0
	Unknown	*	*	0	2	2	1	1	0	2	0
	Total	*	*	548	496	495	451	506	497	490	442

**Data not available.*

Rows listed as "Unknown" are only included where necessary. The "Unknown" category includes persons of unknown person type and/or unknown sex.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 25: Persons Killed or Injured in Alcohol-Related Motor Vehicle Crashes by Person Type and Sex

STATE	TYPE – SEX	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURED					
North Carolina	Driver – Male	*	*	6,429	6,108	5,715	5,669	5,917	5,806	5,600	5,748
	Driver – Female	*	*	2,245	2,176	2,089	2,168	2,200	2,209	2,110	2,167
	Passenger – Male	*	*	2,928	2,779	2,493	2,493	2,663	2,601	2,320	2,260
	Passenger – Female	*	*	2,109	1,953	1,803	1,893	1,968	1,749	1,717	1,735
	Pedestrian – Male	*	*	375	366	345	295	317	329	292	248
	Pedestrian – Female	*	*	103	106	73	80	84	91	85	68
	Pedalcyclist – Male	*	*	116	110	134	115	98	111	93	102
	Pedalcyclist – Female	*	*	10	6	4	13	7	12	11	9
	Unknown	*	*	37	19	18	17	27	31	29	25
	Total	*	*	14,352	13,623	12,674	12,743	13,281	12,939	12,257	12,362
						KILLED					
Ohio	Driver – Male	347	323	284	266	229	258	242	243	225	250
	Driver – Female	52	63	58	51	53	53	49	48	45	49
	Passenger – Male	106	107	77	82	54	62	55	62	68	61
	Passenger – Female	50	48	47	37	27	53	44	36	35	40
	Pedestrian – Male	49	48	37	28	22	18	21	23	33	32
	Pedestrian – Female	17	11	15	12	6	10	13	14	9	11
	Pedalcyclist – Male	4	4	3	1	6	2	5	0	3	4
	Pedalcyclist – Female	1	0	1	0	1	2	0	0	0	1
	Unknown	0	0	0	0	1	0	0	0	0	0
	Total	626	604	522	477	399	458	429	426	418	448
						INJURED					
Ohio	Driver – Male	13,635	11,979	11,786	10,666	9,644	9,741	9,632	9,366	9,105	8,614
	Driver – Female	4,813	4,132	4,305	3,846	3,705	3,876	3,835	3,838	3,635	3,493
	Passenger – Male	4,433	3,883	3,639	3,227	2,943	3,028	3,023	2,814	2,800	2,601
	Passenger – Female	3,851	3,266	3,262	2,947	2,778	2,859	2,684	2,587	2,515	2,465
	Pedestrian – Male	398	327	341	299	277	262	277	262	285	248
	Pedestrian – Female	153	148	132	121	91	102	116	141	128	109
	Pedalcyclist – Male	107	102	93	82	77	92	75	80	110	116
	Pedalcyclist – Female	11	18	14	22	20	19	22	26	24	21
	Unknown	713	597	508	302	251	192	177	346	290	301
	Total	28,114	24,452	24,080	21,512	19,786	20,171	19,841	19,460	18,892	17,968

**Data not available.*

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Table 25: Persons Killed or Injured in Alcohol-Related Motor Vehicle Crashes by Person Type and Sex

STATE	TYPE – SEX	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED					
Pennsylvania	Driver – Male	389	401	338	354	285	283	280	283	322	303
	Driver – Female	75	58	71	59	55	60	55	59	56	62
	Passenger – Male	97	97	94	74	68	74	78	77	82	61
	Passenger – Female	68	65	57	59	60	46	38	53	38	58
	Pedestrian – Male	61	43	59	42	38	46	44	41	31	40
	Pedestrian – Female	30	17	20	17	21	13	11	11	13	11
	Pedalcyclist – Male	5	2	1	4	3	2	4	1	5	4
	Pedalcyclist – Female	0	1	0	0	0	1	0	0	0	0
	Total	725	684	640	609	530	525	510	525	547	539
						INJURED					
Pennsylvania	Driver – Male	8,875	7,708	8,198	7,559	7,055	7,331	7,187	7,102	6,850	6,928
	Driver – Female	2,594	2,214	2,606	2,401	2,179	2,311	2,253	2,334	2,192	2,357
	Passenger – Male	2,857	2,392	2,548	2,410	2,244	2,324	2,102	2,285	2,046	2,057
	Passenger – Female	2,398	2,154	2,296	2,201	1,949	2,070	1,901	1,975	1,744	1,762
	Pedestrian – Male	303	249	300	259	246	248	222	204	179	185
	Pedestrian – Female	132	94	130	105	108	78	80	86	91	72
	Pedalcyclist – Male	48	47	71	61	63	68	64	70	65	48
	Pedalcyclist – Female	4	3	5	8	5	3	12	10	7	7
	Unknown	74	56	61	49	36	53	47	53	38	39
	Total	17,285	14,917	16,215	15,053	13,885	14,486	13,868	14,119	13,212	13,455
						KILLED					
Texas	Driver – Male	786	668	675	699	657	615	666	573	570	573
	Driver – Female	122	144	144	152	151	137	150	140	116	115
	Passenger – Male	282	256	251	208	209	186	235	186	196	161
	Passenger – Female	158	150	127	148	124	121	150	119	122	113
	Pedestrian – Male	211	182	182	145	123	132	117	127	102	106
	Pedestrian – Female	46	45	46	37	37	33	38	24	41	28
	Pedalcyclist – Male	16	14	16	12	10	9	14	8	16	9
	Pedalcyclist – Female	0	2	0	0	1	4	1	3	2	0
	Unknown	6	3	5	7	2	2	8	2	0	1
	Total	1,627	1,464	1,446	1,408	1,314	1,239	1,379	1,182	1,165	1,106

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Table 25: Persons Killed or Injured in Alcohol-Related Motor Vehicle Crashes by Person Type and Sex

STATE	TYPE – SEX	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURED					
Texas	Driver – Male	16,641	15,687	15,274	15,199	15,116	14,149	14,143	13,034	12,198	11,516
	Driver – Female	5,273	5,113	5,246	5,108	5,392	4,996	5,110	4,910	4,530	4,309
	Passenger – Male	6,997	6,693	6,729	6,655	6,745	6,333	6,324	5,714	5,076	4,767
	Passenger – Female	6,554	6,222	6,188	6,184	6,395	5,823	5,817	5,557	4,933	4,770
	Pedestrian – Male	627	534	524	505	469	407	415	335	340	279
	Pedestrian – Female	170	169	149	161	159	135	135	129	143	64
	Pedalcyclist – Male	112	96	104	98	100	100	85	68	73	58
	Pedalcyclist – Female	9	12	17	7	15	13	9	8	11	9
	Unknown	381	328	307	329	323	294	319	287	246	191
	Total	36,764	34,854	34,538	34,246	34,714	32,250	32,357	30,042	27,550	25,963
						KILLED					
Utah	Driver – Male	33	41	27	30	35	30	31	25	17	23
	Driver – Female	7	6	6	9	6	7	6	8	5	9
	Passenger – Male	10	15	10	16	22	22	13	19	14	16
	Passenger – Female	12	9	9	12	7	8	8	13	4	10
	Pedestrian – Male	5	3	12	5	5	6	4	2	3	1
	Pedestrian – Female	0	4	1	0	3	3	0	1	2	1
	Pedalcyclist – Male	1	1	1	0	1	1	0	0	1	0
	Pedalcyclist – Female	0	0	0	0	0	0	0	0	0	0
	Unknown	0	2	0	0	0	0	0	0	0	0
	Total	68	81	66	72	79	77	62	68	46	60
						INJURED					
Utah	Driver – Male	1,233	1,095	1,237	1,295	1,254	1,323	1,477	1,286	1,352	1,402
	Driver – Female	557	464	533	538	672	669	766	697	690	690
	Passenger – Male	579	506	546	591	566	669	658	609	566	594
	Passenger – Female	542	497	512	577	600	607	689	597	573	554
	Pedestrian – Male	20	21	42	29	25	19	26	16	19	18
	Pedestrian – Female	6	11	15	11	8	10	9	7	12	14
	Pedalcyclist – Male	14	13	8	8	7	9	5	10	9	6
	Pedalcyclist – Female	6	2	4	2	1	2	0	2	3	4
	Unknown	15	1	3	3	5	5	8	6	11	6
	Total	2,972	2,610	2,900	3,054	3,138	3,313	3,638	3,230	3,235	3,288

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Table 25: Persons Killed or Injured in Alcohol-Related Motor Vehicle Crashes by Person Type and Sex

STATE	TYPE – SEX	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED					
Virginia	Driver – Male	254	204	197	192	183	183	169	159	179	196
	Driver – Female	67	36	32	29	38	30	47	33	36	30
	Passenger – Male	99	85	67	73	68	58	55	48	47	69
	Passenger – Female	48	40	36	45	44	37	24	30	26	25
	Pedestrian – Male	43	41	36	38	30	37	38	25	37	33
	Pedestrian – Female	18	10	6	15	7	12	7	3	7	4
	Pedalcyclist – Male	8	9	2	3	6	2	5	4	3	6
	Pedalcyclist – Female	0	0	3	0	0	1	0	0	0	0
	Unknown	1	4	0	2	0	0	3	0	1	1
	Total	538	429	379	397	376	360	348	302	336	364
						INJURED					
Virginia	Driver – Male	6,626	5,646	5,313	4,990	4,734	4,365	4,225	4,190	4,011	3,927
	Driver – Female	2,064	1,890	1,837	1,690	1,642	1,580	1,518	1,490	1,498	1,488
	Passenger – Male	2,738	2,379	2,142	1,998	1,868	1,660	1,569	1,651	1,446	1,404
	Passenger – Female	2,000	1,732	1,634	1,622	1,479	1,320	1,316	1,322	1,178	1,129
	Pedestrian – Male	393	298	346	295	283	249	249	252	234	227
	Pedestrian – Female	125	115	86	85	89	81	81	98	84	84
	Pedalcyclist – Male	86	100	80	81	94	85	60	69	42	57
	Pedalcyclist – Female	2	9	8	9	7	2	9	11	6	8
	Unknown	38	18	24	42	62	39	56	41	56	35
	Total	14,072	12,187	11,470	10,812	10,258	9,381	9,083	9,124	8,555	8,359

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Table 25: Persons Killed or Injured in Alcohol-Related Motor Vehicle Crashes by Person Type and Sex

STATE	TYPE – SEX	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED					
Washington	Driver – Male	246	195	167	164	164	142	186	*	*	*
	Driver – Female	47	39	47	34	29	41	39	*	*	*
	Passenger – Male	75	60	49	57	41	52	64	*	*	*
	Passenger – Female	52	29	35	38	27	33	27	*	*	*
	Pedestrian – Male	24	24	23	26	31	27	30	*	*	*
	Pedestrian – Female	6	5	6	5	3	8	8	*	*	*
	Pedalcyclist – Male	4	2	2	2	5	6	2	*	*	*
	Pedalcyclist – Female	1	0	0	0	0	1	1	*	*	*
	Total	455	354	329	326	300	310	357	*	*	*
						INJURED					
Washington	Driver – Male	6,429	5,944	5,691	5,178	4,887	4,846	4,444	*	*	*
	Driver – Female	2,409	2,168	2,277	2,021	2,002	2,008	2,248	*	*	*
	Passenger – Male	2,476	2,290	2,076	1,915	1,807	1,861	1,809	*	*	*
	Passenger – Female	2,187	1,911	1,868	1,707	1,631	1,636	1,632	*	*	*
	Pedestrian – Male	223	236	205	222	204	197	215	*	*	*
	Pedestrian – Female	88	98	69	77	76	71	93	*	*	*
	Pedalcyclist – Male	65	87	78	69	86	71	79	*	*	*
	Pedalcyclist – Female	6	11	12	15	12	17	16	*	*	*
	Unknown	62	59	46	34	39	26	23	*	*	*
	Total	13,945	12,804	12,322	11,238	10,744	10,733	10,559	*	*	*

**Data not available.*

Rows listed as "Unknown" are only included where necessary. The "Unknown" category includes persons of unknown person type and/or unknown sex.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 26: Drivers Age 15-20 Involved in Fatal and Injury Alcohol-Related Crashes by Sex

STATE	SEX	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						FATAL CRASHES					
California	Male	328	292	244	190	180	137	153	148	153	142
	Female	77	53	53	43	39	54	27	41	45	39
	Unknown	0	0	0	0	0	0	0	0	1	1
	Total	405	345	297	233	219	191	180	189	199	182
Florida	Male	170	128	102	93	104	121	90	87	103	120
	Female	60	47	40	29	34	29	26	49	36	27
	Unknown	0	0	0	0	1	0	0	0	0	0
	Total	230	175	142	122	139	150	116	136	139	147
Georgia	Male	88	82	56	66	59	78	82	74	56	*
	Female	25	25	13	10	15	13	35	24	23	*
	Total	113	107	69	76	74	91	117	98	79	*
Illinois	Male	91	89	71	49	68	60	25	63	65	58
	Female	23	20	15	15	18	23	6	15	13	20
	Total	114	109	86	64	86	83	31	78	78	78
Indiana	Male	45	48	43	34	28	29	45	41	33	36
	Female	12	10	11	5	11	8	16	5	9	9
	Unknown	0	1	0	0	0	0	0	0	0	0
	Total	57	59	54	39	39	37	61	46	42	45
Kansas	Male	27	23	21	17	16	13	21	15	16	23
	Female	5	4	2	6	7	7	5	4	2	6
	Total	32	27	23	23	23	20	26	19	18	29
Maryland	Male	40	37	26	32	27	24	33	25	26	25
	Female	8	9	5	7	7	4	6	4	7	5
	Total	48	46	31	39	34	28	39	29	33	30
Michigan	Male	113	87	45	56	60	60	66	54	56	72
	Female	20	23	15	13	16	23	18	17	23	16
	Unknown	0	0	1	0	1	2	1	1	1	2
	Total	133	110	61	69	77	85	85	72	80	90
Missouri	Male	36	60	40	42	50	35	33	33	38	42
	Female	13	11	10	6	10	5	11	5	6	9
	Total	49	71	50	48	60	40	44	38	44	51

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 26: Drivers Age 15-20 Involved in Fatal and Injury Alcohol-Related Crashes by Sex

STATE	SEX	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
FATAL CRASHES (Continued)											
New Mexico	Male	58	41	28	39	40	32	33	32	22	32
	Female	5	9	4	10	12	8	7	7	9	5
	Total	63	50	32	49	52	40	40	39	31	37
North Carolina	Male	*	*	61	55	57	41	63	64	64	43
	Female	*	*	10	13	15	11	15	12	16	13
	Unknown	*	*	0	1	0	0	1	0	1	0
	Total	*	*	71	69	72	52	79	76	81	56
Ohio	Male	89	87	77	75	40	61	59	41	54	61
	Female	20	21	11	14	13	15	15	16	14	16
	Total	109	108	88	89	53	76	74	57	68	77
Pennsylvania	Male	107	103	67	63	57	64	47	75	65	72
	Female	20	18	14	10	14	13	10	23	21	29
	Total	127	121	81	73	71	77	57	98	86	101
Texas	Male	231	197	195	175	164	124	163	139	148	146
	Female	42	41	49	41	41	34	40	35	33	40
	Total	273	238	244	216	205	158	203	174	181	186
Utah	Male	9	8	10	13	14	7	8	14	11	11
	Female	2	1	4	4	2	0	3	2	2	1
	Total	11	9	14	17	16	7	11	16	13	12
Virginia	Male	74	56	56	47	34	49	34	41	45	39
	Female	21	14	11	16	5	12	13	5	3	11
	Total	95	70	67	63	39	61	47	46	48	50
Washington	Male	55	47	35	41	30	29	40	*	*	*
	Female	12	9	6	7	5	5	14	*	*	*
	Total	67	56	41	48	35	34	54	*	*	*

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 26: Drivers Age 15-20 Involved in Fatal and Injury Alcohol-Related Crashes by Sex

STATE	SEX	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURY CRASHES					
California	Male	5,995	5,019	3,916	3,358	3,043	2,756	2,748	2,355	2,349	2,445
	Female	1,893	1,489	1,249	1,126	1,035	996	1,003	887	941	913
	Unknown	3	2	0	1	3	2	3	2	1	1
	Total	7,891	6,510	5,165	4,485	4,081	3,754	3,754	3,244	3,291	3,359
Florida	Male	2,701	1,933	1,526	1,555	1,591	1,492	1,558	1,563	1,452	1,478
	Female	1,027	732	606	657	695	694	737	734	705	633
	Unknown	4	8	1	3	3	0	0	1	1	1
	Total	3,732	2,673	2,133	2,215	2,289	2,186	2,295	2,298	2,158	2,112
Georgia	Male	1,386	1,196	992	847	998	1,005	1,030	918	845	*
	Female	486	400	355	328	394	340	413	351	321	*
	Unknown	0	0	0	0	0	0	0	0	5	*
	Total	1,872	1,596	1,347	1,175	1,392	1,345	1,443	1,269	1,171	*
Illinois	Male	1,209	1,086	955	921	905	857	321	779	699	686
	Female	403	354	344	329	306	297	154	334	295	279
	Unknown	0	1	0	0	0	0	2	8	8	5
	Total	1,612	1,441	1,299	1,250	1,211	1,154	477	1,121	1,002	970
Indiana	Male	1,136	905	738	745	666	705	664	636	692	642
	Female	383	306	295	299	289	271	295	321	290	278
	Unknown	0	2	0	1	1	0	1	1	3	0
	Total	1,519	1,213	1,033	1,045	956	976	960	958	985	920
Kansas	Male	478	422	385	295	341	305	310	287	335	365
	Female	156	130	153	119	150	121	139	132	138	134
	Unknown	0	0	0	0	0	0	0	0	1	0
	Total	634	552	538	414	491	426	449	419	474	499
Maryland	Male	780	561	498	464	415	453	450	421	422	437
	Female	240	197	182	192	189	195	199	180	194	189
	Unknown	0	0	0	0	2	1	0	0	0	3
	Total	1,020	758	680	656	606	649	649	601	616	629
Michigan	Male	2,500	2,020	1,276	1,377	1,323	1,271	1,142	1,135	1,106	1,031
	Female	906	758	541	577	562	544	532	468	456	404
	Unknown	0	0	32	20	19	33	16	24	23	10
	Total	3,406	2,778	1,849	1,974	1,904	1,848	1,690	1,627	1,585	1,445

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 26: Drivers Age 15-20 Involved in Fatal and Injury Alcohol-Related Crashes by Sex

STATE	SEX	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
					INJURY CRASHES (Continued)						
Missouri	Male	863	762	694	604	633	646	642	597	615	660
	Female	263	250	250	193	221	219	236	222	217	227
	Total	1,126	1,012	944	797	854	865	878	819	832	887
New Mexico	Male	424	441	457	435	433	427	441	353	342	295
	Female	149	143	167	173	153	181	150	142	155	120
	Unknown	0	1	0	2	0	0	0	0	0	0
	Total	573	585	624	610	586	608	591	495	497	415
North Carolina	Male	*	*	1,281	1,210	1,047	1,036	1,087	976	1,009	1,019
	Female	*	*	422	403	403	363	359	389	339	353
	Unknown	*	*	4	6	4	3	11	9	14	15
	Total	*	*	1,707	1,619	1,454	1,402	1,457	1,374	1,362	1,387
Ohio	Male	2,771	2,343	1,959	1,712	1,521	1,540	1,533	1,523	1,582	1,440
	Female	984	769	754	604	625	647	627	672	639	600
	Unknown	7	29	6	3	5	11	3	3	2	2
	Total	3,762	3,141	2,719	2,319	2,151	2,198	2,163	2,198	2,223	2,042
Pennsylvania	Male	1,595	1,296	1,237	1,050	985	1,000	1,064	1,128	1,153	1,117
	Female	461	364	380	339	303	343	354	358	345	380
	Total	2,056	1,660	1,617	1,389	1,288	1,343	1,418	1,486	1,498	1,497
Texas	Male	3,323	3,157	2,709	2,555	2,621	2,446	2,491	2,270	2,501	2,432
	Female	1,066	876	861	814	908	796	811	822	903	873
	Unknown	10	5	7	7	4	3	4	5	14	7
	Total	4,399	4,038	3,577	3,376	3,533	3,245	3,306	3,097	3,418	3,312
Utah	Male	370	303	366	355	403	440	474	421	435	408
	Female	176	169	173	162	219	245	247	264	236	234
	Unknown	2	0	0	0	0	0	0	1	0	0
	Total	548	472	539	517	622	685	721	686	671	642
Virginia	Male	1,620	1,248	1,079	927	857	812	720	780	761	820
	Female	509	415	354	294	291	276	296	284	286	286
	Unknown	1	0	2	0	0	0	0	0	0	0
	Total	2,130	1,663	1,435	1,221	1,148	1,088	1,016	1,064	1,047	1,106
Washington	Male	1,282	1,102	897	854	790	781	730	*	*	*
	Female	502	387	435	335	342	337	356	*	*	*
	Unknown	8	4	3	2	0	0	0	*	*	*
	Total	1,792	1,493	1,335	1,191	1,132	1,118	1,086	*	*	*

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Speeding

Crash Data Report: 1990-1999

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Table 27: Speeding-Related Motor Vehicle Crashes by Crash Severity

STATE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
FATAL CRASHES										
California	1,319	1,168	1,022	984	968	1,010	970	863	761	860
Florida	472	444	392	414	445	517	423	423	443	435
Georgia	438	352	323	326	314	336	359	355	308	*
Illinois	190	187	141	95	134	147	179	321	318	283
Indiana	200	237	166	166	202	204	179	200	171	198
Kansas	123	103	93	93	91	105	112	99	113	108
Maryland	156	139	127	174	191	186	166	191	180	170
Michigan	390	353	292	305	310	352	327	300	304	262
Missouri	380	371	330	321	340	378	385	386	357	311
New Mexico	170	161	142	155	118	151	144	134	122	133
North Carolina	*	*	466	488	479	524	556	548	590	584
Ohio	318	359	266	256	251	252	278	258	279	282
Pennsylvania	294	393	309	356	416	333	384	356	241	265
Texas	1,171	983	985	1,010	1,042	1,059	1,213	1,094	1,151	1,104
Utah	81	68	67	80	104	80	87	105	90	92
Virginia	414	388	324	332	359	359	355	399	362	341
Washington	302	244	243	236	211	227	231	*	*	*
INJURY CRASHES										
California	72,268	69,396	66,167	62,129	61,960	61,443	61,037	59,251	63,864	61,959
Florida	7,079	5,910	5,763	5,769	5,934	6,311	6,281	5,964	5,477	5,288
Georgia	8,500	7,933	8,032	7,855	9,056	8,842	9,147	8,962	7,802	*
Illinois	6,189	5,708	5,317	3,857	3,648	4,077	9,768	16,295	14,328	13,162
Indiana	4,906	4,661	4,458	4,804	5,034	5,159	4,986	5,272	4,708	4,897
Kansas	3,047	2,633	2,597	3,000	2,756	2,883	2,882	3,054	3,087	3,021
Maryland	5,571	4,885	5,678	6,528	8,586	8,392	8,537	7,933	8,071	7,656
Michigan	12,315	11,322	10,625	12,260	12,376	13,994	14,145	13,195	11,084	11,557
Missouri	10,647	9,648	9,555	11,120	10,832	11,404	11,133	10,893	10,630	9,986
New Mexico	2,364	2,197	2,558	2,903	3,128	3,588	3,478	3,567	3,002	2,616
North Carolina	*	*	14,706	14,505	15,142	15,859	17,722	16,667	16,119	16,434
Ohio	9,905	9,035	8,656	8,882	8,874	8,971	9,043	8,633	7,543	7,885
Pennsylvania	7,437	6,396	6,449	5,811	13,994	10,601	12,640	10,370	9,017	11,632
Texas	55,839	54,187	55,371	57,756	62,660	63,004	66,023	66,917	66,433	66,927
Utah	2,567	2,377	2,333	2,804	2,677	2,920	3,322	3,148	2,981	2,652
Virginia	13,881	12,845	12,596	14,664	15,419	14,930	15,216	13,471	15,282	15,568
Washington	12,133	10,566	11,185	11,904	12,279	12,739	13,329	*	*	*

**Data not available.*

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 28: Speeding-Related Motor Vehicle Crashes by Weekday vs. Weekend and Crash Severity

STATE	PERIOD	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						FATAL CRASHES					
California	Weekday	689	624	544	569	517	547	555	462	421	485
	Weekend	625	540	476	411	449	461	413	398	338	375
	Unknown	5	4	2	4	2	2	2	3	2	0
	Total	1,319	1,168	1,022	984	968	1,010	970	863	761	860
Florida	Weekday	226	190	186	194	233	267	196	207	227	220
	Weekend	244	254	205	219	210	249	226	215	216	215
	Unknown	2	0	1	1	2	1	1	1	0	0
	Total	472	444	392	414	445	517	423	423	443	435
Georgia	Weekday	211	176	162	162	184	178	200	198	171	*
	Weekend	227	176	161	164	130	158	159	157	137	*
	Total	438	352	323	326	314	336	359	355	308	*
Illinois	Weekday	89	103	82	49	68	82	104	174	165	147
	Weekend	101	84	59	46	66	65	75	147	153	136
	Total	190	187	141	95	134	147	179	321	318	283
Indiana	Weekday	100	119	82	92	101	123	108	113	107	101
	Weekend	100	117	82	74	101	81	71	86	64	96
	Unknown	0	1	2	0	0	0	0	1	0	1
	Total	200	237	166	166	202	204	179	200	171	198
Kansas	Weekday	49	45	47	53	38	49	51	53	50	46
	Weekend	67	48	42	36	45	52	53	40	59	53
	Unknown	7	10	4	4	8	4	8	6	4	9
	Total	123	103	93	93	91	105	112	99	113	108
Maryland	Weekday	71	83	64	105	113	95	86	105	95	92
	Weekend	85	56	63	69	78	83	80	86	85	78
	Unknown	0	0	0	0	0	8	0	0	0	0
	Total	156	139	127	174	191	186	166	191	180	170
Michigan	Weekday	195	182	151	158	177	173	168	146	165	114
	Weekend	195	171	140	146	132	179	157	154	139	146
	Unknown	0	0	1	1	1	0	2	0	0	2
	Total	390	353	292	305	310	352	327	300	304	262
Missouri	Weekday	206	193	171	182	177	212	211	219	200	165
	Weekend	174	176	157	139	161	165	173	167	156	144
	Unknown	0	2	2	0	2	1	1	0	1	2
	Total	380	371	330	321	340	378	385	386	357	311

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 28: Speeding-Related Motor Vehicle Crashes by Weekday vs. Weekend and Crash Severity

STATE	PERIOD	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
					FATAL CRASHES (Continued)						
New Mexico	Weekday	81	86	59	74	54	88	69	66	65	68
	Weekend	89	74	83	81	64	63	75	66	57	65
	Unknown	0	1	0	0	0	0	0	2	0	0
	Total	170	161	142	155	118	151	144	134	122	133
North Carolina	Weekday	*	*	244	250	252	287	315	286	324	325
	Weekend	*	*	222	237	227	237	241	259	266	258
	Unknown	*	*	0	1	0	0	0	3	0	1
	Total	*	*	466	488	479	524	556	548	590	584
Ohio	Weekday	156	167	149	138	134	135	152	130	148	154
	Weekend	162	192	117	118	117	117	126	128	131	128
	Total	318	359	266	256	251	252	278	258	279	282
Pennsylvania	Weekday	147	189	157	191	206	192	216	183	136	150
	Weekend	147	204	152	165	210	141	168	173	105	115
	Total	294	393	309	356	416	333	384	356	241	265
Texas	Weekday	543	490	473	507	494	517	600	573	592	569
	Weekend	628	493	512	503	548	542	613	521	559	535
	Total	1,171	983	985	1,010	1,042	1,059	1,213	1,094	1,151	1,104
Utah	Weekday	47	35	32	51	50	45	43	66	62	58
	Weekend	34	33	35	29	54	35	44	39	28	33
	Unknown	0	0	0	0	0	0	0	0	0	1
	Total	81	68	67	80	104	80	87	105	90	92
Virginia	Weekday	195	217	177	172	201	163	192	214	202	178
	Weekend	219	171	147	160	158	196	163	185	160	163
	Total	414	388	324	332	359	359	355	399	362	341
Washington	Weekday	163	118	131	120	108	116	133	*	*	*
	Weekend	139	126	112	116	103	111	98	*	*	*
	Total	302	244	243	236	211	227	231	*	*	*

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 28: Speeding-Related Motor Vehicle Crashes by Weekday vs. Weekend and Crash Severity

STATE	PERIOD	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURY CRASHES					
California	Weekday	47,539	46,426	45,279	42,304	42,595	42,829	43,165	41,746	44,282	44,159
	Weekend	24,703	22,946	20,856	19,797	19,347	18,600	17,864	17,495	19,573	17,791
	Unknown	26	24	32	28	18	14	8	10	9	9
	Total	72,268	69,396	66,167	62,129	61,960	61,443	61,037	59,251	63,864	61,959
Florida	Weekday	3,993	3,425	3,421	3,355	3,505	3,778	3,778	3,549	3,389	3,089
	Weekend	3,079	2,480	2,337	2,408	2,423	2,525	2,489	2,404	2,077	2,197
	Unknown	7	5	5	6	6	8	14	11	11	2
	Total	7,079	5,910	5,763	5,769	5,934	6,311	6,281	5,964	5,477	5,288
Georgia	Weekday	5,097	4,947	5,097	4,909	5,744	5,451	5,614	5,725	5,061	*
	Weekend	3,403	2,986	2,935	2,946	3,312	3,391	3,533	3,237	2,741	*
	Total	8,500	7,933	8,032	7,855	9,056	8,842	9,147	8,962	7,802	*
Illinois	Weekday	3,952	3,754	3,490	2,484	2,384	2,654	6,849	10,683	10,147	8,962
	Weekend	2,236	1,953	1,827	1,370	1,264	1,422	2,905	5,591	4,160	4,188
	Unknown	1	1	0	3	0	1	14	21	21	12
	Total	6,189	5,708	5,317	3,857	3,648	4,077	9,768	16,295	14,328	13,162
Indiana	Weekday	2,923	2,800	2,829	2,978	3,262	3,244	3,320	3,269	3,096	3,130
	Weekend	1,972	1,852	1,621	1,817	1,755	1,900	1,656	1,986	1,601	1,750
	Unknown	11	9	8	9	17	15	10	17	11	17
	Total	4,906	4,661	4,458	4,804	5,034	5,159	4,986	5,272	4,708	4,897
Kansas	Weekday	1,485	1,336	1,356	1,747	1,394	1,526	1,504	1,714	1,581	1,560
	Weekend	1,237	1,022	1,033	966	1,161	1,013	1,108	1,040	1,267	1,122
	Unknown	325	275	208	287	201	344	270	300	239	339
	Total	3,047	2,633	2,597	3,000	2,756	2,883	2,882	3,054	3,087	3,021
Maryland	Weekday	3,302	3,021	3,521	4,514	5,865	3,904	5,865	4,911	5,510	5,080
	Weekend	2,258	1,854	2,146	2,014	2,721	2,430	2,672	3,022	2,561	2,576
	Unknown	11	10	11	0	0	2,058	0	0	0	0
	Total	5,571	4,885	5,678	6,528	8,586	8,392	8,537	7,933	8,071	7,656
Michigan	Weekday	6,913	6,387	6,177	7,109	7,714	7,906	9,055	7,968	6,845	7,048
	Weekend	5,398	4,930	4,247	5,117	4,638	6,046	5,048	5,203	4,220	4,486
	Unknown	4	5	201	34	24	42	42	24	19	23
	Total	12,315	11,322	10,625	12,260	12,376	13,994	14,145	13,195	11,084	11,557
Missouri	Weekday	6,450	5,892	6,015	7,093	6,813	7,335	7,010	7,159	6,809	6,145
	Weekend	4,182	3,741	3,526	4,006	4,006	4,047	4,101	3,720	3,796	3,831
	Unknown	15	15	14	21	13	22	22	14	25	10
	Total	10,647	9,648	9,555	11,120	10,832	11,404	11,133	10,893	10,630	9,986

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 28: Speeding-Related Motor Vehicle Crashes by Weekday vs. Weekend and Crash Severity

STATE	PERIOD	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
					INJURY CRASHES (Continued)						
New Mexico	Weekday	1,388	1,288	1,449	1,669	1,892	2,197	2,138	2,275	1,834	1,598
	Weekend	965	904	1,095	1,230	1,233	1,389	1,339	1,286	1,165	1,018
	Unknown	11	5	14	4	3	2	1	6	3	0
	Total	2,364	2,197	2,558	2,903	3,128	3,588	3,478	3,567	3,002	2,616
North Carolina	Weekday	*	*	8,859	8,460	9,227	9,437	10,795	10,151	10,143	9,927
	Weekend	*	*	5,821	6,033	5,901	6,408	6,914	6,502	5,966	6,494
	Unknown	*	*	26	12	14	14	13	14	10	13
	Total	*	*	14,706	14,505	15,142	15,859	17,722	16,667	16,119	16,434
Ohio	Weekday	5,543	4,922	5,080	5,050	5,550	5,457	5,514	5,075	4,745	4,640
	Weekend	4,352	4,108	3,576	3,829	3,318	3,510	3,524	3,556	2,790	3,240
	Unknown	10	5	0	3	6	4	5	2	8	5
	Total	9,905	9,035	8,656	8,882	8,874	8,971	9,043	8,633	7,543	7,885
Pennsylvania	Weekday	4,096	3,534	3,640	3,321	8,984	6,486	8,208	6,599	5,887	7,410
	Weekend	3,335	2,853	2,801	2,483	4,994	4,111	4,425	3,766	3,119	4,215
	Unknown	6	9	8	7	16	4	7	5	11	7
	Total	7,437	6,396	6,449	5,811	13,994	10,601	12,640	10,370	9,017	11,632
Texas	Weekday	35,143	34,036	35,074	37,522	41,138	41,405	43,809	45,026	44,414	44,850
	Weekend	20,696	20,151	20,297	20,234	21,522	21,599	22,214	21,891	22,019	22,077
	Total	55,839	54,187	55,371	57,756	62,660	63,004	66,023	66,917	66,433	66,927
Utah	Weekday	1,686	1,541	1,458	1,799	1,755	1,903	2,197	2,137	1,881	1,791
	Weekend	874	830	871	1,003	920	1,016	1,125	1,011	1,100	861
	Unknown	7	6	4	2	2	1	0	0	0	0
	Total	2,567	2,377	2,333	2,804	2,677	2,920	3,322	3,148	2,981	2,652
Virginia	Weekday	8,290	7,707	7,607	9,165	9,924	9,567	10,077	8,530	10,185	10,293
	Weekend	5,581	5,126	4,978	5,486	5,487	5,361	5,132	4,932	5,094	5,260
	Unknown	10	12	11	13	8	2	7	9	3	15
	Total	13,881	12,845	12,596	14,664	15,419	14,930	15,216	13,471	15,282	15,568
Washington	Weekday	7,527	6,615	7,047	7,641	8,036	8,311	8,745	*	*	*
	Weekend	4,603	3,949	4,134	4,261	4,240	4,425	4,581	*	*	*
	Unknown	3	2	4	2	3	3	3	*	*	*
	Total	12,133	10,566	11,185	11,904	12,279	12,739	13,329	*	*	*

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 29: Speeding-Related Motor Vehicle Crashes by Time of Day and Crash Severity

STATE	PERIOD	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						FATAL CRASHES					
California	Day	567	510	411	464	410	439	441	401	368	386
	Night	738	646	602	505	541	559	524	450	389	470
	Unknown	14	12	9	15	17	12	5	12	4	4
	Total	1,319	1,168	1,022	984	968	1,010	970	863	761	860
Florida	Day	149	130	119	132	160	201	146	141	166	158
	Night	315	311	272	276	281	313	275	278	274	274
	Unknown	8	3	1	6	4	3	2	4	3	3
	Total	472	444	392	414	445	517	423	423	443	435
Georgia	Day	151	119	135	132	141	153	141	152	128	*
	Night	287	233	188	194	173	183	218	203	180	*
	Total	438	352	323	326	314	336	359	355	308	*
Illinois	Day	68	71	59	37	67	60	74	122	123	105
	Night	118	116	81	58	67	87	105	199	195	178
	Unknown	4	0	1	0	0	0	0	0	0	0
	Total	190	187	141	95	134	147	179	321	318	283
Indiana	Day	62	74	45	73	82	86	73	78	65	78
	Night	136	159	118	93	118	115	105	120	103	117
	Unknown	2	4	3	0	2	3	1	2	3	3
	Total	200	237	166	166	202	204	179	200	171	198
Kansas	Day	44	35	32	37	36	35	41	47	48	46
	Night	79	68	57	52	54	69	70	51	64	61
	Unknown	0	0	4	4	1	1	1	1	1	1
	Total	123	103	93	93	91	105	112	99	113	108
Maryland	Day	50	42	40	55	74	64	65	77	75	63
	Night	106	97	87	119	117	122	101	114	105	107
	Total	156	139	127	174	191	186	166	191	180	170
Michigan	Day	103	113	89	94	110	145	105	111	96	81
	Night	287	238	197	205	198	203	215	186	207	177
	Unknown	0	2	6	6	2	4	7	3	1	4
	Total	390	353	292	305	310	352	327	300	304	262
Missouri	Day	153	121	132	118	136	132	162	161	151	136
	Night	222	245	194	201	199	244	218	223	203	171
	Unknown	5	5	4	2	5	2	5	2	3	4
	Total	380	371	330	321	340	378	385	386	357	311

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 29: Speeding-Related Motor Vehicle Crashes by Time of Day and Crash Severity

STATE	PERIOD	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
					FATAL CRASHES (Coninued)						
New Mexico	Day	66	61	49	57	41	70	51	64	49	63
	Night	101	98	90	97	77	79	91	65	73	70
	Unknown	3	2	3	1	0	2	2	5	0	0
	Total	170	161	142	155	118	151	144	134	122	133
North Carolina	Day	*	*	178	196	219	218	229	219	256	263
	Night	*	*	288	290	255	304	324	325	331	319
	Unknown	*	*	0	2	5	2	3	4	3	2
	Total	*	*	466	488	479	524	556	548	590	584
Ohio	Day	101	124	99	87	101	84	111	74	101	104
	Night	217	235	167	169	149	168	167	184	177	178
	Unknown	0	0	0	0	1	0	0	0	1	0
	Total	318	359	266	256	251	252	278	258	279	282
Pennsylvania	Day	81	122	103	144	170	137	182	158	88	115
	Night	213	271	206	212	246	196	202	198	153	150
	Total	294	393	309	356	416	333	384	356	241	265
Texas	Day	347	321	295	354	363	394	451	441	440	458
	Night	824	662	690	656	679	665	762	653	711	646
	Total	1,171	983	985	1,010	1,042	1,059	1,213	1,094	1,151	1,104
Utah	Day	48	30	28	42	45	44	43	56	59	52
	Night	33	37	38	37	59	36	44	49	31	39
	Unknown	0	1	1	1	0	0	0	0	0	1
	Total	81	68	67	80	104	80	87	105	90	92
Virginia	Day	139	154	125	143	164	148	150	170	169	141
	Night	274	234	198	189	194	210	205	228	191	199
	Unknown	1	0	1	0	1	1	0	1	2	1
	Total	414	388	324	332	359	359	355	399	362	341
Washington	Day	111	87	88	74	75	91	83	*	*	*
	Night	191	157	155	162	136	136	148	*	*	*
	Total	302	244	243	236	211	227	231	*	*	*

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 29: Speeding-Related Motor Vehicle Crashes by Time of Day and Crash Severity

STATE	PERIOD	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURY CRASHES					
California	Day	47,400	45,912	45,007	42,550	43,153	43,061	43,069	42,213	46,330	44,834
	Night	24,767	23,407	21,068	19,501	18,746	18,326	17,939	17,007	17,502	17,092
	Unknown	101	77	92	78	61	56	29	31	32	33
	Total	72,268	69,396	66,167	62,129	61,960	61,443	61,037	59,251	63,864	61,959
Florida	Day	3,295	2,824	2,809	2,835	2,949	3,186	3,219	3,110	2,901	2,804
	Night	3,753	3,068	2,935	2,909	2,955	3,097	3,029	2,819	2,541	2,468
	Unknown	31	18	19	25	30	28	33	35	35	16
	Total	7,079	5,910	5,763	5,769	5,934	6,311	6,281	5,964	5,477	5,288
Georgia	Day	4,677	4,530	4,633	4,542	5,274	5,006	5,269	5,231	4,680	*
	Night	3,823	3,403	3,399	3,313	3,782	3,836	3,878	3,731	3,122	*
	Total	8,500	7,933	8,032	7,855	9,056	8,842	9,147	8,962	7,802	*
Illinois	Day	3,759	3,473	3,216	2,386	2,237	2,507	6,613	10,463	9,476	8,660
	Night	2,423	2,233	2,100	1,463	1,409	1,567	3,113	5,763	4,767	4,461
	Unknown	7	2	1	8	2	3	42	69	85	41
	Total	6,189	5,708	5,317	3,857	3,648	4,077	9,768	16,295	14,328	13,162
Indiana	Day	2,554	2,433	2,409	2,664	2,892	2,929	2,924	3,011	2,765	2,793
	Night	2,311	2,181	2,018	2,099	2,085	2,172	2,014	2,205	1,885	2,038
	Unknown	41	47	31	41	57	58	48	56	58	66
	Total	4,906	4,661	4,458	4,804	5,034	5,159	4,986	5,272	4,708	4,897
Kansas	Day	1,544	1,373	1,357	1,671	1,506	1,657	1,663	1,794	1,868	1,790
	Night	1,503	1,260	1,226	1,312	1,227	1,219	1,217	1,252	1,210	1,227
	Unknown	0	0	14	17	23	7	2	8	9	4
	Total	3,047	2,633	2,597	3,000	2,756	2,883	2,882	3,054	3,087	3,021
Maryland	Day	3,171	2,745	3,172	3,762	5,149	4,935	5,239	4,831	4,899	4,707
	Night	2,383	2,119	2,488	2,766	3,437	3,457	3,298	3,102	3,172	2,949
	Unknown	17	21	18	0	0	0	0	0	0	0
	Total	5,571	4,885	5,678	6,528	8,586	8,392	8,537	7,933	8,071	7,656
Michigan	Day	5,853	5,513	5,081	6,251	6,423	7,404	7,746	7,249	5,820	6,479
	Night	6,440	5,797	5,361	5,888	5,848	6,437	6,221	5,848	5,192	4,999
	Unknown	22	12	183	121	105	153	178	98	72	79
	Total	12,315	11,322	10,625	12,260	12,376	13,994	14,145	13,195	11,084	11,557
Missouri	Day	5,835	5,032	5,141	6,224	6,072	6,672	6,678	6,458	6,440	6,113
	Night	4,757	4,562	4,357	4,841	4,716	4,663	4,385	4,376	4,123	3,834
	Unknown	55	54	57	55	44	69	70	59	67	39
	Total	10,647	9,648	9,555	11,120	10,832	11,404	11,133	10,893	10,630	9,986

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 29: Speeding-Related Motor Vehicle Crashes by Time of Day and Crash Severity

STATE	PERIOD	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
					INJURY CRASHES (Continued)						
New Mexico	Day	1,172	1,053	1,317	1,514	1,661	1,926	1,937	2,069	1,665	1,490
	Night	1,159	1,112	1,192	1,361	1,458	1,653	1,537	1,479	1,328	1,121
	Unknown	33	32	49	28	9	9	4	19	9	5
	Total	2,364	2,197	2,558	2,903	3,128	3,588	3,478	3,567	3,002	2,616
North Carolina	Day	*	*	7,826	7,612	8,151	8,595	9,664	9,159	8,810	9,160
	Night	*	*	6,798	6,836	6,931	7,212	8,011	7,454	7,261	7,216
	Unknown	*	*	82	57	60	52	47	54	48	58
	Total	*	*	14,706	14,505	15,142	15,859	17,722	16,667	16,119	16,434
Ohio	Day	4,828	4,288	4,150	4,417	4,799	4,784	4,723	4,600	3,753	4,137
	Night	5,041	4,731	4,496	4,454	4,058	4,177	4,305	4,023	3,766	3,735
	Unknown	36	16	10	11	17	10	15	10	24	13
	Total	9,905	9,035	8,656	8,882	8,874	8,971	9,043	8,633	7,543	7,885
Pennsylvania	Day	3,353	2,757	2,929	2,853	7,977	6,050	7,438	6,185	5,384	7,234
	Night	4,047	3,602	3,496	2,936	5,971	4,524	5,165	4,154	3,606	4,373
	Unknown	37	37	24	22	46	27	37	31	27	25
	Total	7,437	6,396	6,449	5,811	13,994	10,601	12,640	10,370	9,017	11,632
Texas	Day	31,814	31,158	32,814	34,883	38,093	38,805	41,455	42,726	43,007	43,905
	Night	24,025	23,029	22,557	22,873	24,567	24,199	24,568	24,191	23,426	23,022
	Total	55,839	54,187	55,371	57,756	62,660	63,004	66,023	66,917	66,433	66,927
Utah	Day	1,513	1,436	1,436	1,831	1,666	1,860	2,123	2,074	1,927	1,675
	Night	1,046	935	887	967	1,006	1,059	1,199	1,074	1,054	977
	Unknown	8	6	10	6	5	1	0	0	0	0
	Total	2,567	2,377	2,333	2,804	2,677	2,920	3,322	3,148	2,981	2,652
Virginia	Day	7,467	6,966	6,933	8,747	9,365	9,088	9,483	8,307	9,736	9,815
	Night	6,380	5,837	5,627	5,878	6,019	5,812	5,710	5,136	5,531	5,707
	Unknown	34	42	36	39	35	30	23	28	15	46
	Total	13,881	12,845	12,596	14,664	15,419	14,930	15,216	13,471	15,282	15,568
Washington	Day	6,700	5,996	6,396	7,309	7,558	8,088	8,479	*	*	*
	Night	5,423	4,564	4,780	4,592	4,713	4,636	4,839	*	*	*
	Unknown	10	6	9	3	8	15	11	*	*	*
	Total	12,133	10,566	11,185	11,904	12,279	12,739	13,329	*	*	*

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 30: Speeding-Related Motor Vehicle Crashes by Crash Type and Crash Severity

STATE	VEHICLE CRASH TYPE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						FATAL CRASHES					
California	Single	577	505	443	421	407	443	413	349	319	382
	Multiple	742	663	579	563	561	567	557	514	442	478
	Total	1,319	1,168	1,022	984	968	1,010	970	863	761	860
Florida	Single	266	249	226	228	246	256	245	237	245	250
	Multiple	206	195	166	186	199	261	178	186	198	185
	Total	472	444	392	414	445	517	423	423	443	435
Georgia	Single	291	226	213	210	187	211	249	233	214	*
	Multiple	147	126	110	116	127	125	110	122	94	*
	Total	438	352	323	326	314	336	359	355	308	*
Illinois	Single	119	127	84	51	75	84	91	198	191	188
	Multiple	71	60	57	44	59	63	88	123	127	95
	Total	190	187	141	95	134	147	179	321	318	283
Indiana	Single	126	177	107	105	139	130	117	139	120	141
	Multiple	74	60	59	61	63	74	62	61	51	57
	Total	200	237	166	166	202	204	179	200	171	198
Kansas	Single	73	77	54	55	68	73	82	52	71	71
	Multiple	50	26	39	38	23	32	30	47	42	37
	Total	123	103	93	93	91	105	112	99	113	108
Maryland	Single	112	95	80	111	111	105	102	115	105	99
	Multiple	44	44	47	63	80	81	64	76	75	71
	Total	156	139	127	174	191	186	166	191	180	170
Michigan	Single	303	290	168	198	188	221	215	178	211	179
	Multiple	87	63	124	107	122	131	112	122	93	83
	Total	390	353	292	305	310	352	327	300	304	262
Missouri	Single	253	259	226	205	218	263	258	233	213	194
	Multiple	127	112	104	116	122	115	127	153	144	117
	Total	380	371	330	321	340	378	385	386	357	311
New Mexico	Single	133	113	103	121	90	114	97	85	84	86
	Multiple	37	48	39	34	28	37	47	49	38	47
	Total	170	161	142	155	118	151	144	134	122	133
North Carolina	Single	*	*	312	332	309	340	361	365	399	401
	Multiple	*	*	154	156	170	184	195	183	191	183
	Total	*	*	466	488	479	524	556	548	590	584
Ohio	Single	235	261	185	187	169	165	204	191	197	200
	Multiple	83	98	81	69	82	87	74	67	82	82
	Total	318	359	266	256	251	252	278	258	279	282

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 30: Speeding-Related Motor Vehicle Crashes by Crash Type and Crash Severity

STATE	VEHICLE CRASH TYPE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
					FATAL CRASHES (CONTINUED)						
Pennsylvania	Single	221	275	227	226	265	208	217	201	176	163
	Multiple	73	118	82	130	151	125	167	155	65	102
	Total	294	393	309	356	416	333	384	356	241	265
Texas	Single	792	667	657	646	698	667	794	693	761	707
	Multiple	379	316	328	364	344	392	419	401	390	397
	Total	1,171	983	985	1,010	1,042	1,059	1,213	1,094	1,151	1,104
Utah	Single	56	53	51	61	79	56	67	58	55	63
	Multiple	25	15	16	19	25	24	20	47	35	29
	Total	81	68	67	80	104	80	87	105	90	92
Virginia	Single	275	271	234	214	245	253	225	256	235	238
	Multiple	139	117	90	118	114	106	130	143	127	103
	Total	414	388	324	332	359	359	355	399	362	341
Washington	Single	201	176	169	166	147	164	147	*	*	*
	Multiple	101	68	74	70	64	63	84	*	*	*
	Total	302	244	243	236	211	227	231	*	*	*
					INJURY CRASHES						
California	Single	15,149	14,116	12,700	11,780	11,369	11,632	10,887	10,165	11,150	9,554
	Multiple	57,119	55,280	53,467	50,349	50,591	49,811	50,150	49,086	52,714	52,405
	Total	72,268	69,396	66,167	62,129	61,960	61,443	61,037	59,251	63,864	61,959
Florida	Single	3,190	2,701	2,599	2,590	2,649	2,801	2,791	2,658	2,430	2,444
	Multiple	3,889	3,209	3,164	3,179	3,285	3,510	3,490	3,306	3,047	2,844
	Total	7,079	5,910	5,763	5,769	5,934	6,311	6,281	5,964	5,477	5,288
Georgia	Single	4,385	3,962	3,983	3,921	4,538	4,538	4,769	4,751	4,197	*
	Multiple	4,115	3,971	4,049	3,934	4,515	4,304	4,377	4,211	3,605	*
	Unknown	0	0	0	0	3	0	1	0	0	*
	Total	8,500	7,933	8,032	7,855	9,056	8,842	9,147	8,962	7,802	*
Illinois	Single	2,202	1,936	1,749	1,249	1,268	1,566	2,543	5,069	4,501	4,355
	Multiple	3,987	3,772	3,568	2,608	2,380	2,511	7,225	11,226	9,827	8,807
	Total	6,189	5,708	5,317	3,857	3,648	4,077	9,768	16,295	14,328	13,162
Indiana	Single	2,729	2,665	2,413	2,605	2,683	2,804	2,683	2,811	2,497	2,604
	Multiple	2,177	1,996	2,045	2,199	2,351	2,355	2,303	2,461	2,211	2,293
	Total	4,906	4,661	4,458	4,804	5,034	5,159	4,986	5,272	4,708	4,897
Kansas	Single	1,913	1,635	1,458	1,599	1,576	1,560	1,655	1,716	1,703	1,657
	Multiple	1,134	998	1,139	1,401	1,180	1,323	1,227	1,338	1,384	1,364
	Total	3,047	2,633	2,597	3,000	2,756	2,883	2,882	3,054	3,087	3,021

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 30: Speeding-Related Motor Vehicle Crashes by Crash Type and Crash Severity

STATE	VEHICLE CRASH TYPE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
					INJURY CRASHES (Continued)						
Maryland	Single	2,487	2,201	2,478	2,404	3,160	3,136	3,159	2,925	2,943	2,861
	Multiple	3,084	2,684	3,200	4,124	5,426	5,256	5,378	5,008	5,128	4,795
	Total	5,571	4,885	5,678	6,528	8,586	8,392	8,537	7,933	8,071	7,656
Michigan	Single	8,376	7,829	6,850	7,916	7,904	8,968	9,272	8,608	7,470	7,685
	Multiple	3,939	3,493	3,775	4,344	4,472	5,026	4,873	4,587	3,614	3,872
	Total	12,315	11,322	10,625	12,260	12,376	13,994	14,145	13,195	11,084	11,557
Missouri	Single	5,133	4,818	4,770	5,042	5,365	5,621	5,563	5,564	5,563	5,332
	Multiple	5,514	4,830	4,785	6,078	5,467	5,783	5,570	5,329	5,067	4,654
	Total	10,647	9,648	9,555	11,120	10,832	11,404	11,133	10,893	10,630	9,986
New Mexico	Single	1,408	1,301	1,345	1,455	1,527	1,828	1,681	1,740	1,474	1,249
	Multiple	956	896	1,213	1,448	1,601	1,760	1,797	1,827	1,528	1,367
	Total	2,364	2,197	2,558	2,903	3,128	3,588	3,478	3,567	3,002	2,616
North Carolina	Single	*	*	9,513	9,806	10,322	10,758	11,762	11,515	11,307	11,444
	Multiple	*	*	5,193	4,699	4,820	5,101	5,960	5,152	4,812	4,990
	Total	*	*	14,706	14,505	15,142	15,859	17,722	16,667	16,119	16,434
Ohio	Single	7,669	7,155	6,810	6,976	6,847	6,929	7,077	6,890	6,107	6,415
	Multiple	2,236	1,880	1,846	1,906	2,027	2,042	1,966	1,743	1,436	1,470
	Total	9,905	9,035	8,656	8,882	8,874	8,971	9,043	8,633	7,543	7,885
Pennsylvania	Single	5,323	4,804	4,791	4,237	7,547	6,057	7,034	6,327	5,248	6,475
	Multiple	2,114	1,592	1,658	1,574	6,447	4,544	5,606	4,043	3,769	5,157
	Total	7,437	6,396	6,449	5,811	13,994	10,601	12,640	10,370	9,017	11,632
Texas	Single	16,882	15,907	14,977	14,898	15,751	15,956	17,191	17,178	16,525	16,177
	Multiple	38,957	38,280	40,394	42,858	46,909	47,048	48,832	49,739	49,908	50,750
	Total	55,839	54,187	55,371	57,756	62,660	63,004	66,023	66,917	66,433	66,927
Utah	Single	1,406	1,307	1,231	1,314	1,318	1,495	1,593	1,563	1,495	1,363
	Multiple	1,161	1,070	1,102	1,490	1,359	1,425	1,729	1,585	1,486	1,289
	Total	2,567	2,377	2,333	2,804	2,677	2,920	3,322	3,148	2,981	2,652
Virginia	Single	6,723	6,213	6,125	6,462	6,771	6,427	6,810	6,290	6,810	6,562
	Multiple	7,158	6,632	6,471	8,202	8,648	8,503	8,406	7,181	8,472	9,006
	Total	13,881	12,845	12,596	14,664	15,419	14,930	15,216	13,471	15,282	15,568
Washington	Single	5,661	5,199	5,200	5,295	5,367	5,185	5,280	*	*	*
	Multiple	6,472	5,367	5,985	6,609	6,912	7,554	8,049	*	*	*
	Total	12,133	10,566	11,185	11,904	12,279	12,739	13,329	*	*	*

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 31: Total Motor Vehicles Involved in Speeding-Related Motor Vehicle Crashes by Crash Severity

STATE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
FATAL CRASHES										
California	2,178	2,038	1,680	1,637	1,678	1,706	1,663	1,430	1,371	1,465
Florida	704	683	610	652	681	854	649	662	671	663
Georgia	611	497	466	465	489	503	504	507	417	*
Illinois	296	278	220	168	208	234	296	470	494	416
Indiana	300	317	245	254	275	298	250	290	235	273
Kansas	173	129	141	140	117	140	149	159	162	155
Maryland	209	197	188	253	311	309	247	311	292	267
Michigan	493	429	384	413	444	501	476	436	401	348
Missouri	537	506	461	471	494	521	569	591	543	473
New Mexico	215	216	182	197	153	201	205	204	170	194
North Carolina	*	*	623	667	667	737	791	766	828	816
Ohio	438	471	353	332	346	339	356	334	371	370
Pennsylvania	381	551	397	506	602	483	612	534	335	407
Texas	1,615	1,352	1,362	1,456	1,450	1,554	1,736	1,586	1,683	1,615
Utah	107	117	89	114	136	114	111	168	144	139
Virginia	589	520	471	496	507	486	515	579	508	483
Washington	433	332	338	336	301	306	343	*	*	*
INJURY CRASHES										
California	149,844	144,628	139,776	130,786	131,500	130,248	130,556	127,892	137,998	135,901
Florida	11,960	9,912	9,724	9,735	10,032	10,702	10,596	10,101	9,337	8,902
Georgia	13,703	12,907	13,165	12,737	14,879	14,279	14,695	14,345	12,445	*
Illinois	11,705	10,913	10,293	7,535	6,968	7,507	19,784	31,259	27,697	25,008
Indiana	7,718	7,275	7,060	7,664	8,043	8,224	7,946	8,517	7,609	7,850
Kansas	4,199	3,632	3,959	4,721	4,292	4,511	4,414	4,720	4,877	4,749
Maryland	9,635	8,348	9,832	12,122	15,977	15,585	15,824	14,907	15,083	14,307
Michigan	17,069	15,487	14,491	17,078	17,436	19,805	19,835	18,533	15,278	16,053
Missouri	17,635	15,845	15,626	18,938	17,942	18,728	18,208	17,599	17,181	15,923
New Mexico	3,509	3,313	4,040	4,630	5,103	5,729	5,725	5,800	4,916	4,288
North Carolina	*	*	21,134	20,110	20,974	22,007	24,874	22,858	21,852	22,436
Ohio	12,291	11,157	10,751	11,014	11,217	11,290	11,250	10,628	9,142	9,619
Pennsylvania	9,964	8,248	8,370	7,667	21,984	16,267	19,621	15,532	13,935	18,384
Texas	104,067	101,499	105,644	111,565	121,471	122,129	128,152	130,470	130,517	131,946
Utah	4,130	3,768	3,773	4,798	4,455	4,876	5,812	5,290	4,991	4,446
Virginia	22,749	21,069	20,537	24,919	26,151	25,616	25,684	22,337	25,798	26,934
Washington	20,874	17,922	19,311	20,985	21,812	23,216	24,509	*	*	*

**Data not available.*

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 32: Persons Killed or Injured in Speeding-Related Motor Vehicle Crashes

STATE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
KILLED										
California	1,478	1,350	1,165	1,133	1,088	1,198	1,108	976	865	1,012
Florida	546	502	457	502	526	595	501	505	510	507
Georgia	489	412	368	376	369	375	411	391	343	*
Illinois	223	215	165	115	151	183	215	355	355	320
Indiana	224	265	199	191	226	230	202	228	189	223
Kansas	142	118	106	105	101	116	122	109	123	129
Maryland	169	161	144	199	212	217	180	208	202	190
Michigan	438	388	322	342	346	403	365	353	337	304
Missouri	440	416	375	365	402	423	444	446	417	353
New Mexico	196	182	172	175	140	174	180	160	141	159
North Carolina	*	*	536	554	548	580	621	642	661	646
Ohio	351	405	298	291	282	287	323	287	310	330
Pennsylvania	328	432	352	396	457	400	422	394	268	308
Texas	1,349	1,150	1,140	1,148	1,220	1,230	1,403	1,264	1,306	1,251
Utah	97	83	77	99	115	91	96	133	105	103
Virginia	484	436	353	381	415	395	384	438	412	385
Washington	352	276	270	283	231	264	270	*	*	*
INJURED										
California	117,314	114,287	109,414	101,198	100,902	99,717	98,738	94,976	101,939	98,822
Florida	12,611	10,619	10,417	10,314	10,792	11,302	11,155	10,566	9,591	9,294
Georgia	14,053	13,202	13,387	13,105	15,338	14,971	15,358	14,738	12,361	*
Illinois	10,058	8,976	8,413	6,370	6,161	6,634	15,470	25,114	22,070	19,739
Indiana	7,594	7,275	6,972	7,567	7,836	8,096	7,627	8,191	7,432	7,427
Kansas	4,670	4,064	4,231	4,785	4,504	4,587	4,662	4,909	4,986	4,777
Maryland	9,296	8,108	9,542	11,453	14,676	14,424	14,186	13,285	13,062	12,439
Michigan	18,119	16,721	15,247	17,566	17,488	19,948	19,668	18,503	15,372	15,651
Missouri	17,118	15,447	15,364	18,024	17,689	18,280	18,050	17,504	17,087	15,831
New Mexico	3,920	3,674	4,270	4,819	5,219	5,874	5,828	5,784	4,915	4,339
North Carolina	*	*	22,964	22,695	23,414	24,664	27,643	25,538	24,654	25,100
Ohio	15,177	13,667	13,205	13,368	13,383	13,377	13,583	12,908	11,333	11,370
Pennsylvania	11,423	9,911	9,853	8,960	21,806	16,520	19,803	16,051	13,596	17,552
Texas	91,718	89,624	93,321	100,061	109,592	109,991	114,970	114,437	112,366	113,000
Utah	4,189	3,889	3,820	4,522	4,355	4,697	5,352	5,060	4,730	4,322
Virginia	21,486	19,884	19,743	22,823	23,926	23,078	23,521	20,878	23,114	23,514
Washington	19,218	16,841	17,988	19,026	19,776	20,630	21,387	*	*	*

**Data not available.*

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 33: Speeding-Related Motor Vehicle Crash Fatality and Injury Rates per 100,000 Residents

STATE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
KILLED										
California	4.9	4.4	3.8	3.6	3.5	3.8	3.5	3.0	2.6	3.1
Florida	4.2	3.8	3.4	3.7	3.8	4.2	3.5	3.4	3.4	3.4
Georgia	7.5	6.2	5.4	5.5	5.2	5.2	5.6	5.2	4.5	*
Illinois	1.9	1.9	1.4	1.0	1.3	1.5	1.8	3.0	2.9	2.6
Indiana	4.0	4.7	3.5	3.3	3.9	4.0	3.5	3.9	3.2	3.8
Kansas	5.7	4.7	4.2	4.1	3.9	4.5	4.7	4.2	4.7	4.9
Maryland	3.5	3.3	2.9	4.0	4.3	4.3	3.6	4.1	3.9	3.7
Michigan	4.7	4.1	3.4	3.6	3.6	4.2	3.7	3.6	3.4	3.1
Missouri	8.6	8.1	7.2	7.0	7.6	7.9	8.3	8.2	7.7	6.5
New Mexico	12.9	11.8	10.9	10.8	8.5	10.3	10.6	9.3	8.1	9.1
North Carolina	*	*	7.8	8.0	7.8	8.1	8.5	8.6	8.8	8.4
Ohio	3.2	3.7	2.7	2.6	2.5	2.6	2.9	2.6	2.8	2.9
Pennsylvania	2.8	3.6	2.9	3.3	3.8	3.3	3.5	3.3	2.2	2.6
Texas	7.9	6.6	6.5	6.4	6.7	6.6	7.4	6.5	6.6	6.2
Utah	5.6	4.7	4.2	5.3	6.0	4.6	4.7	6.4	5.0	4.8
Virginia	7.8	6.9	5.5	5.9	6.3	6.0	5.8	6.5	6.1	5.6
Washington	7.2	5.5	5.3	5.4	4.3	4.9	4.9	*	*	*
INJURED										
California	391.7	375.8	354.4	324.9	322.2	316.6	310.7	294.8	311.9	298.1
Florida	96.9	79.9	77.1	75.2	77.3	79.7	77.3	72.0	64.3	61.5
Georgia	216.0	199.4	198.0	190.1	217.7	208.3	209.5	196.9	161.9	*
Illinois	87.9	77.8	72.3	54.3	52.2	55.8	129.4	209.1	182.9	162.8
Indiana	136.7	129.9	123.4	132.7	136.4	139.8	130.7	139.5	125.8	125.0
Kansas	188.3	162.9	167.5	187.8	175.3	177.3	179.4	187.6	189.0	180.0
Maryland	193.8	167.0	194.6	231.7	294.4	287.1	280.5	260.9	254.6	240.5
Michigan	194.6	178.0	161.0	184.3	182.5	206.5	201.9	189.1	156.5	158.7
Missouri	333.9	299.5	295.8	344.1	334.9	343.3	336.3	323.7	314.2	289.5
New Mexico	257.9	237.5	270.1	298.4	315.7	349.1	341.6	335.7	283.5	249.4
North Carolina	*	*	336.1	326.7	331.6	343.3	378.3	343.8	326.7	328.1
Ohio	139.7	125.0	120.0	120.8	120.4	119.9	121.4	115.1	100.8	101.0
Pennsylvania	96.0	83.0	82.2	74.5	181.1	137.2	164.5	133.6	113.3	146.3
Texas	538.1	516.9	528.7	556.0	597.6	588.8	604.9	591.2	570.0	563.8
Utah	242.2	219.5	209.7	241.0	225.6	237.6	264.7	245.0	225.2	202.9
Virginia	345.8	316.4	309.3	353.0	366.0	349.6	352.9	310.1	340.5	342.1
Washington	392.1	335.9	350.0	362.6	370.7	379.9	388.2	*	*	*

**Data not available.*

Population estimates obtained from U.S. Census Bureau report ST-99-3.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 34: Persons Killed or Injured in Speeding-Related Motor Vehicle Crashes by Person Type and Sex

STATE	TYPE – SEX	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED					
California	Driver – Male	689	612	530	505	498	520	493	395	355	459
	Driver – Female	165	138	120	129	118	137	126	124	106	106
	Passenger – Male	249	246	219	207	178	220	187	175	174	196
	Passenger – Female	186	212	154	145	158	180	150	129	126	142
	Pedestrian – Male	102	83	73	92	82	81	94	93	65	72
	Pedestrian – Female	55	35	46	28	34	39	37	44	26	25
	Pedalcyclist – Male	24	19	19	19	17	16	16	13	8	9
	Pedalcyclist – Female	1	0	3	4	0	2	2	2	1	1
	Unknown	7	5	1	4	3	3	3	1	4	2
	Total	1,478	1,350	1,165	1,133	1,088	1,198	1,108	976	865	1,012
						INJURED					
California	Driver – Male	41,819	40,106	37,741	34,499	34,127	33,608	32,636	31,579	33,835	32,943
	Driver – Female	29,138	27,952	27,913	26,775	27,477	27,556	28,160	27,487	30,093	29,769
	Passenger – Male	18,574	18,511	17,297	15,279	14,975	14,503	14,153	13,106	14,122	13,292
	Passenger – Female	24,598	24,560	23,634	21,998	21,683	21,442	21,267	20,407	21,604	20,705
	Pedestrian – Male	1,004	1,019	893	886	817	857	816	767	697	677
	Pedestrian – Female	573	578	509	539	514	508	587	481	469	435
	Pedalcyclist – Male	995	927	878	762	807	746	708	730	722	665
	Pedalcyclist – Female	218	239	211	187	153	169	145	160	161	147
	Unknown	395	395	338	273	349	328	266	259	236	189
	Total	117,314	114,287	109,414	101,198	100,902	99,717	98,738	94,976	101,939	98,822
						KILLED					
Florida	Driver – Male	301	249	215	251	259	317	273	239	279	270
	Driver – Female	63	71	56	79	59	74	50	79	66	61
	Passenger – Male	0	0	0	0	0	0	0	0	0	0
	Passenger – Female	0	0	0	0	0	0	0	0	0	0
	Pedestrian – Male	16	20	23	17	13	28	21	14	14	20
	Pedestrian – Female	5	8	12	0	10	4	6	8	8	4
	Pedalcyclist – Male	10	7	7	5	7	12	0	9	6	7
	Pedalcyclist – Female	2	2	0	1	2	2	1	0	0	1
	Unknown	149	145	144	149	176	158	150	156	137	144
	Total	546	502	457	502	526	595	501	505	510	507

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Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 34: Persons Killed or Injured in Speeding-Related Motor Vehicle Crashes by Person Type and Sex

STATE	TYPE – SEX	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURED					
Florida	Driver – Male	5,307	4,459	4,277	4,329	4,371	4,739	4,579	4,363	3,965	3,908
	Driver – Female	2,450	2,038	2,048	1,971	2,136	2,374	2,414	2,279	2,141	2,062
	Passenger – Male	0	0	0	0	0	0	0	0	0	0
	Passenger – Female	0	0	0	0	0	0	0	0	0	0
	Pedestrian – Male	90	62	88	91	67	69	71	72	53	38
	Pedestrian – Female	43	32	48	56	41	29	38	28	28	31
	Pedalcyclist – Male	57	56	58	64	69	55	42	47	23	33
	Pedalcyclist – Female	17	12	9	14	10	12	10	16	12	6
	Unknown	4,647	3,960	3,889	3,789	4,098	4,024	4,001	3,761	3,369	3,216
	Total	12,611	10,619	10,417	10,314	10,792	11,302	11,155	10,566	9,591	9,294
						KILLED					
Georgia	Driver – Male	253	214	199	197	187	186	205	204	190	*
	Driver – Female	78	56	52	46	55	52	54	55	60	*
	Passenger – Male	82	85	60	73	67	70	90	77	57	*
	Passenger – Female	63	49	46	52	48	50	56	38	32	*
	Pedestrian – Male	6	6	6	5	8	8	4	10	3	*
	Pedestrian – Female	6	1	4	1	4	5	2	4	0	*
	Pedalcyclist – Male	0	0	1	1	0	3	0	1	1	*
	Pedalcyclist – Female	0	1	0	1	0	1	0	2	0	*
	Unknown	1	0	0	0	0	0	0	0	0	*
	Total	489	412	368	376	369	375	411	391	343	*
						INJURED					
Georgia	Driver – Male	5,638	5,121	5,130	5,083	5,661	5,618	5,727	5,513	4,736	*
	Driver – Female	3,184	3,110	3,205	3,097	3,685	3,611	3,695	3,766	3,222	*
	Passenger – Male	2,649	2,388	2,406	2,370	2,926	2,870	2,863	2,716	2,150	*
	Passenger – Female	2,463	2,476	2,518	2,464	2,958	2,778	2,967	2,631	2,143	*
	Pedestrian – Male	45	50	64	40	41	39	53	50	35	*
	Pedestrian – Female	35	26	34	27	38	25	29	34	22	*
	Pedalcyclist – Male	19	25	17	18	25	22	19	23	16	*
	Pedalcyclist – Female	4	3	5	4	4	8	5	5	4	*
	Unknown	16	3	8	2	0	0	0	0	33	*
	Total	14,053	13,202	13,387	13,105	15,338	14,971	15,358	14,738	12,361	*

**Data not available.*

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Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 34: Persons Killed or Injured in Speeding-Related Motor Vehicle Crashes by Person Type and Sex

STATE	TYPE – SEX	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED					
Illinois	Driver – Male	128	109	88	47	87	92	108	181	190	158
	Driver – Female	26	41	18	27	18	35	27	50	42	45
	Passenger – Male	27	28	30	21	21	29	34	61	65	56
	Passenger – Female	38	24	23	17	19	22	32	44	48	46
	Pedestrian – Male	4	13	2	3	5	3	10	11	5	11
	Pedestrian – Female	0	0	1	0	0	2	3	3	2	2
	Pedalcyclist – Male	0	0	2	0	1	0	0	3	2	2
	Pedalcyclist – Female	0	0	0	0	0	0	0	1	0	0
	Unknown	0	0	1	0	0	0	1	1	1	0
	Total	223	215	165	115	151	183	215	355	355	320
						INJURED					
Illinois	Driver – Male	4,110	3,698	3,431	2,489	2,496	2,638	5,830	9,354	8,186	7,474
	Driver – Female	2,397	2,238	2,124	1,589	1,478	1,704	4,723	7,675	6,875	6,315
	Passenger – Male	1,549	1,299	1,166	976	938	1,021	1,945	3,373	2,927	2,520
	Passenger – Female	1,970	1,682	1,639	1,295	1,224	1,256	2,919	4,497	3,956	3,299
	Pedestrian – Male	19	35	24	12	19	8	22	107	58	64
	Pedestrian – Female	7	11	10	4	5	4	13	53	32	41
	Pedalcyclist – Male	3	2	4	4	1	2	13	43	29	19
	Pedalcyclist – Female	1	1	0	1	0	1	2	10	6	3
	Unknown	2	10	15	0	0	0	3	2	1	4
	Total	10,058	8,976	8,413	6,370	6,161	6,634	15,470	25,114	22,070	19,739
						KILLED					
Indiana	Driver – Male	139	163	109	106	131	125	109	110	100	130
	Driver – Female	24	30	27	25	26	35	26	28	34	30
	Passenger – Male	40	40	38	34	40	41	40	56	30	35
	Passenger – Female	16	23	21	22	25	23	20	25	18	21
	Pedestrian – Male	0	4	3	1	2	3	5	7	2	2
	Pedestrian – Female	3	3	1	2	1	1	2	1	1	2
	Pedalcyclist – Male	1	0	0	0	1	1	0	1	0	2
	Pedalcyclist – Female	0	0	0	0	0	0	0	0	1	0
	Unknown	1	2	0	1	0	1	0	0	3	1
	Total	224	265	199	191	226	230	202	228	189	223

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Table 34: Persons Killed or Injured in Speeding-Related Motor Vehicle Crashes by Person Type and Sex

STATE	TYPE – SEX	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURED					
Indiana	Driver – Male	3,151	3,005	2,818	3,039	3,208	3,195	3,121	3,178	3,017	3,049
	Driver – Female	1,608	1,546	1,547	1,708	1,796	1,850	1,783	2,036	1,746	1,774
	Passenger – Male	1,300	1,228	1,138	1,213	1,245	1,339	1,266	1,344	1,242	1,150
	Passenger – Female	1,274	1,251	1,242	1,346	1,321	1,456	1,237	1,392	1,266	1,257
	Pedestrian – Male	54	44	50	47	44	43	31	49	24	47
	Pedestrian – Female	22	18	23	29	28	21	25	23	19	25
	Pedalcyclist – Male	13	22	16	18	14	13	17	9	14	13
	Pedalcyclist – Female	6	6	5	4	3	2	2	4	4	6
	Unknown	166	155	133	163	177	177	145	156	100	106
	Total	7,594	7,275	6,972	7,567	7,836	8,096	7,627	8,191	7,432	7,427
						KILLED					
Kansas	Driver – Male	74	59	60	61	47	67	67	60	65	57
	Driver – Female	21	13	16	16	20	15	22	17	22	13
	Passenger – Male	21	22	15	10	20	16	19	21	20	34
	Passenger – Female	23	22	13	16	13	15	12	10	14	20
	Pedestrian – Male	1	1	0	1	1	3	2	0	1	3
	Pedestrian – Female	1	0	2	0	0	0	0	0	1	1
	Pedalcyclist – Male	0	1	0	1	0	0	0	1	0	0
	Pedalcyclist – Female	1	0	0	0	0	0	0	0	0	0
	Unknown	0	0	0	0	0	0	0	0	0	1
	Total	142	118	106	105	101	116	122	109	123	129
						INJURED					
Kansas	Driver – Male	1,846	1,622	1,613	1,753	1,681	1,748	1,751	1,830	1,832	1,793
	Driver – Female	1,073	880	955	1,209	1,038	1,135	1,090	1,267	1,302	1,231
	Passenger – Male	901	753	778	808	868	834	873	854	840	796
	Passenger – Female	805	769	834	949	864	809	894	887	950	903
	Pedestrian – Male	16	15	18	29	21	20	18	24	22	18
	Pedestrian – Female	9	10	16	13	6	20	15	15	9	10
	Pedalcyclist – Male	7	3	1	5	5	6	9	5	4	5
	Pedalcyclist – Female	1	1	3	1	3	0	0	5	4	1
	Unknown	12	11	13	18	18	15	12	22	23	20
	Total	4,670	4,064	4,231	4,785	4,504	4,587	4,662	4,909	4,986	4,777

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Table 34: Persons Killed or Injured in Speeding-Related Motor Vehicle Crashes by Person Type and Sex

STATE	TYPE – SEX	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED					
Maryland	Driver – Male	95	84	74	106	106	120	92	107	106	119
	Driver – Female	18	16	16	22	25	25	25	34	22	21
	Passenger – Male	37	33	25	37	36	33	28	31	46	20
	Passenger – Female	14	17	17	19	28	19	20	22	21	24
	Pedestrian – Male	3	9	7	9	11	9	13	9	1	5
	Pedestrian – Female	1	1	4	3	1	8	2	3	4	1
	Pedalcyclist – Male	1	1	1	1	2	0	0	2	1	0
	Pedalcyclist – Female	0	0	0	0	0	0	0	0	1	0
	Unknown	0	0	0	2	3	3	0	0	0	0
	Total	169	161	144	199	212	217	180	208	202	190
						INJURED					
Maryland	Driver – Male	3,559	3,175	3,522	4,274	5,576	5,357	5,351	4,954	4,851	4,638
	Driver – Female	2,306	2,029	2,477	3,004	3,889	3,847	3,950	3,774	3,829	3,499
	Passenger – Male	1,581	1,370	1,656	1,842	2,256	2,288	2,141	1,966	1,869	1,863
	Passenger – Female	1,741	1,428	1,752	2,136	2,681	2,691	2,482	2,357	2,237	2,205
	Pedestrian – Male	69	49	68	60	102	79	94	76	115	88
	Pedestrian – Female	28	37	46	58	55	52	67	47	57	58
	Pedalcyclist – Male	8	16	18	14	19	35	27	23	27	27
	Pedalcyclist – Female	4	4	3	1	5	7	7	6	5	8
	Unknown	0	0	0	64	93	68	67	82	72	53
	Total	9,296	8,108	9,542	11,453	14,676	14,424	14,186	13,285	13,062	12,439
						KILLED					
Michigan	Driver – Male	240	210	154	192	187	203	182	168	189	160
	Driver – Female	52	63	38	41	59	66	67	54	50	41
	Passenger – Male	77	72	60	58	58	65	46	64	48	55
	Passenger – Female	45	31	38	29	29	48	50	45	31	33
	Pedestrian – Male	17	3	5	8	4	7	5	10	8	9
	Pedestrian – Female	5	4	5	4	1	2	2	4	8	4
	Pedalcyclist – Male	2	4	0	1	2	0	1	0	0	0
	Pedalcyclist – Female	0	0	1	1	0	0	0	1	0	0
	Unknown	0	1	21	8	6	12	12	7	3	2
	Total	438	388	322	342	346	403	365	353	337	304

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Table 34: Persons Killed or Injured in Speeding-Related Motor Vehicle Crashes by Person Type and Sex

STATE	TYPE – SEX	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURED					
Michigan	Driver – Male	7,612	6,802	5,907	7,077	7,270	7,834	7,684	7,172	6,309	6,365
	Driver – Female	4,383	4,079	3,832	4,604	4,577	5,474	5,775	5,355	4,271	4,483
	Passenger – Male	2,932	2,819	2,133	2,442	2,321	2,679	2,575	2,477	2,073	1,934
	Passenger – Female	2,940	2,721	2,099	2,518	2,461	3,012	2,773	2,725	2,087	2,202
	Pedestrian – Male	103	107	40	76	79	90	80	86	62	73
	Pedestrian – Female	52	67	26	38	53	63	36	45	59	45
	Pedalcyclist – Male	19	21	9	23	24	32	22	18	18	27
	Pedalcyclist – Female	8	11	5	6	6	4	11	9	4	3
	Unknown	70	94	1,196	782	697	760	712	616	489	519
	Total	18,119	16,721	15,247	17,566	17,488	19,948	19,668	18,503	15,372	15,651
						KILLED					
Missouri	Driver – Male	228	240	205	183	206	213	223	229	205	195
	Driver – Female	54	52	49	61	60	65	82	75	65	50
	Passenger – Male	104	64	52	63	71	84	73	64	84	58
	Passenger – Female	43	50	57	47	56	47	50	58	53	44
	Pedestrian – Male	3	3	8	9	4	8	6	10	5	1
	Pedestrian – Female	6	5	4	1	4	4	9	10	3	3
	Pedalcyclist – Male	2	2	0	1	1	2	0	0	2	1
	Pedalcyclist – Female	0	0	0	0	0	0	1	0	0	1
	Total	440	416	375	365	402	423	444	446	417	353
						INJURED					
Missouri	Driver – Male	6,526	5,781	5,768	6,414	6,312	6,752	6,376	6,298	6,139	5,902
	Driver – Female	4,169	3,802	3,758	4,657	4,468	4,570	4,659	4,617	4,485	4,015
	Passenger – Male	2,851	2,726	2,636	3,075	3,145	3,202	3,198	3,026	2,972	2,816
	Passenger – Female	3,339	2,950	2,989	3,685	3,568	3,528	3,589	3,368	3,284	2,927
	Pedestrian – Male	98	84	92	95	83	95	90	93	84	70
	Pedestrian – Female	50	49	49	40	42	59	57	47	64	42
	Pedalcyclist – Male	49	36	45	35	35	39	37	39	37	27
	Pedalcyclist – Female	9	4	8	4	8	18	9	4	5	6
	Unknown	27	15	19	19	28	17	35	12	17	26
	Total	17,118	15,447	15,364	18,024	17,689	18,280	18,050	17,504	17,087	15,831

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Table 34: Persons Killed or Injured in Speeding-Related Motor Vehicle Crashes by Person Type and Sex

STATE	TYPE – SEX	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED					
New Mexico	Driver – Male	96	99	79	87	58	87	78	69	64	75
	Driver – Female	24	22	23	24	15	24	20	21	15	24
	Passenger – Male	41	31	37	32	37	30	44	37	25	29
	Passenger – Female	29	19	30	25	23	25	29	24	32	25
	Pedestrian – Male	3	7	3	6	3	3	3	5	2	3
	Pedestrian – Female	2	2	0	1	4	5	1	3	3	1
	Pedalcyclist – Male	0	2	0	0	0	0	0	0	0	1
	Pedalcyclist – Female	1	0	0	0	0	0	0	0	0	0
	Unknown	0	0	0	0	0	0	5	1	0	1
	Total	196	182	172	175	140	174	180	160	141	159
						INJURED					
New Mexico	Driver – Male	1,536	1,459	1,635	1,841	1,921	2,173	2,185	2,125	1,780	1,615
	Driver – Female	770	718	851	999	1,159	1,327	1,308	1,340	1,206	1,039
	Passenger – Male	821	755	850	954	1,041	1,137	1,065	1,034	878	770
	Passenger – Female	746	703	878	970	1,029	1,155	1,203	1,148	989	848
	Pedestrian – Male	16	20	24	23	25	17	20	23	15	15
	Pedestrian – Female	14	10	10	9	13	19	8	7	7	9
	Pedalcyclist – Male	8	5	11	10	17	23	14	15	9	10
	Pedalcyclist – Female	2	2	3	4	4	4	0	2	2	1
	Unknown	7	2	8	9	10	19	25	90	29	32
	Total	3,920	3,674	4,270	4,819	5,219	5,874	5,828	5,784	4,915	4,339
						KILLED					
North Carolina	Driver – Male	*	*	281	323	314	306	343	328	373	358
	Driver – Female	*	*	74	55	68	93	86	100	101	106
	Passenger – Male	*	*	102	103	89	105	99	101	93	97
	Passenger – Female	*	*	58	61	67	66	79	95	74	71
	Pedestrian – Male	*	*	14	6	3	5	10	10	8	6
	Pedestrian – Female	*	*	4	4	5	3	2	6	4	3
	Pedalcyclist – Male	*	*	3	0	2	1	1	2	7	3
	Pedalcyclist – Female	*	*	0	0	0	1	1	0	0	1
	Unknown	*	*	0	2	0	0	0	0	1	1
	Total	*	*	536	554	548	580	621	642	661	646

**Data not available.*

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Table 34: Persons Killed or Injured in Speeding-Related Motor Vehicle Crashes by Person Type and Sex

STATE	TYPE – SEX	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURED					
North Carolina	Driver – Male	*	*	9,457	9,450	9,597	10,006	11,108	10,408	10,064	10,457
	Driver – Female	*	*	5,466	5,221	5,629	6,059	6,796	6,304	6,307	6,208
	Passenger – Male	*	*	4,269	4,305	4,382	4,540	5,106	4,758	4,469	4,536
	Passenger – Female	*	*	3,567	3,539	3,639	3,894	4,414	3,892	3,620	3,724
	Pedestrian – Male	*	*	91	80	77	75	98	62	82	68
	Pedestrian – Female	*	*	54	36	35	29	34	42	38	36
	Pedalcyclist – Male	*	*	25	31	25	23	31	26	25	28
	Pedalcyclist – Female	*	*	2	3	1	8	4	2	3	6
	Unknown	*	*	33	30	29	30	52	44	46	37
	Total	*	*	22,964	22,695	23,414	24,664	27,643	25,538	24,654	25,100
						KILLED					
Ohio	Driver – Male	191	226	169	160	143	170	170	164	161	190
	Driver – Female	46	53	47	39	47	35	53	37	40	34
	Passenger – Male	58	69	48	64	45	36	57	48	54	68
	Passenger – Female	41	43	26	23	34	38	39	34	45	35
	Pedestrian – Male	11	9	6	3	6	7	2	1	9	0
	Pedestrian – Female	3	4	2	2	3	1	1	3	0	2
	Pedalcyclist – Male	0	1	0	0	3	0	1	0	1	1
	Pedalcyclist – Female	1	0	0	0	0	0	0	0	0	0
	Unknown	0	0	0	0	1	0	0	0	0	0
	Total	351	405	298	291	282	287	323	287	310	330
						INJURED					
Ohio	Driver – Male	6,420	5,866	5,653	5,622	5,579	5,671	5,545	5,312	4,805	4,933
	Driver – Female	3,370	3,100	3,001	3,168	3,271	3,280	3,481	3,243	2,767	2,819
	Passenger – Male	2,697	2,370	2,327	2,271	2,274	2,191	2,297	2,211	1,917	1,814
	Passenger – Female	2,405	2,088	2,004	2,110	2,090	2,078	2,099	1,977	1,677	1,652
	Pedestrian – Male	40	26	51	53	37	37	38	26	40	31
	Pedestrian – Female	19	23	21	29	28	16	13	17	8	10
	Pedalcyclist – Male	26	23	18	22	24	22	29	11	29	13
	Pedalcyclist – Female	1	5	7	6	3	9	7	3	8	7
	Unknown	199	166	123	87	77	73	74	108	82	91
	Total	15,177	13,667	13,205	13,368	13,383	13,377	13,583	12,908	11,333	11,370

**Data not available.*

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Table 34: Persons Killed or Injured in Speeding-Related Motor Vehicle Crashes by Person Type and Sex

STATE	TYPE – SEX	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED					
Pennsylvania	Driver – Male	198	234	185	223	250	182	204	208	155	163
	Driver – Female	31	55	45	58	61	74	62	61	37	53
	Passenger – Male	53	72	69	50	68	58	70	56	40	39
	Passenger – Female	38	58	33	45	67	66	66	56	29	39
	Pedestrian – Male	4	6	12	9	7	10	14	7	6	10
	Pedestrian – Female	4	6	7	7	4	8	6	4	0	3
	Pedalcyclist – Male	0	1	1	4	0	2	0	1	1	1
	Pedalcyclist – Female	0	0	0	0	0	0	0	0	0	0
	Unknown	0	0	0	0	0	0	0	1	0	0
	Total	328	432	352	396	457	400	422	394	268	308
						INJURED					
Pennsylvania	Driver – Male	5,146	4,481	4,354	3,969	8,807	6,615	7,730	6,217	5,348	6,917
	Driver – Female	2,265	1,893	2,008	1,856	5,428	4,110	5,210	4,339	3,787	4,837
	Passenger – Male	2,053	1,770	1,786	1,501	3,337	2,641	2,907	2,404	1,924	2,497
	Passenger – Female	1,831	1,654	1,544	1,530	3,942	2,969	3,753	2,942	2,442	3,169
	Pedestrian – Male	37	30	50	32	106	79	76	59	33	47
	Pedestrian – Female	18	16	34	17	67	36	54	28	19	29
	Pedalcyclist – Male	9	8	11	9	21	20	11	14	11	12
	Pedalcyclist – Female	2	1	0	2	7	3	2	3	1	3
	Unknown	62	58	66	44	91	47	60	45	31	41
	Total	11,423	9,911	9,853	8,960	21,806	16,520	19,803	16,051	13,596	17,552
						KILLED					
Texas	Driver – Male	690	569	596	597	599	627	699	580	680	648
	Driver – Female	170	148	140	147	179	159	202	233	204	184
	Passenger – Male	250	231	215	195	226	220	250	220	227	214
	Passenger – Female	152	124	122	144	143	169	187	174	148	152
	Pedestrian – Male	55	49	40	31	45	33	33	38	20	29
	Pedestrian – Female	15	16	20	15	12	11	10	9	14	11
	Pedalcyclist – Male	10	9	3	9	7	7	11	3	7	10
	Pedalcyclist – Female	1	1	0	2	3	2	1	3	3	0
	Unknown	6	3	4	8	6	2	10	4	3	3
	Total	1,349	1,150	1,140	1,148	1,220	1,230	1,403	1,264	1,306	1,251

Rows listed as "Unknown" are only included where necessary. The "Unknown" category includes persons of unknown person type and/or unknown sex.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 34: Persons Killed or Injured in Speeding-Related Motor Vehicle Crashes by Person Type and Sex

STATE	TYPE – SEX	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURED					
Texas	Driver – Male	33,063	31,822	32,327	33,736	36,453	36,254	38,091	37,843	36,927	36,993
	Driver – Female	23,363	22,947	24,374	25,996	28,703	29,364	31,426	32,166	32,948	33,145
	Passenger – Male	14,658	14,297	15,017	16,908	18,433	18,586	18,979	18,119	17,061	17,316
	Passenger – Female	19,113	19,183	20,251	22,069	24,606	24,386	25,062	24,939	24,103	24,296
	Pedestrian – Male	441	390	368	369	365	393	360	342	331	298
	Pedestrian – Female	197	193	176	189	193	153	167	193	165	155
	Pedalcyclist – Male	152	134	135	115	163	126	116	133	116	120
	Pedalcyclist – Female	38	25	26	31	21	31	36	21	32	25
	Unknown	693	633	647	648	655	698	733	681	683	652
	Total	91,718	89,624	93,321	100,061	109,592	109,991	114,970	114,437	112,366	113,000
						KILLED					
Utah	Driver – Male	47	38	33	47	54	41	50	50	49	47
	Driver – Female	10	10	12	11	12	11	13	21	14	17
	Passenger – Male	17	18	11	22	25	22	16	32	21	21
	Passenger – Female	19	17	18	16	17	12	15	29	16	13
	Pedestrian – Male	3	0	2	3	3	2	1	0	3	3
	Pedestrian – Female	0	0	1	0	2	3	0	1	2	1
	Pedalcyclist – Male	1	0	0	0	2	0	1	0	0	1
	Pedalcyclist – Female	0	0	0	0	0	0	0	0	0	0
	Total	97	83	77	99	115	91	96	133	105	103
						INJURED					
Utah	Driver – Male	1,476	1,368	1,371	1,601	1,532	1,588	1,927	1,725	1,704	1,521
	Driver – Female	969	905	870	1,069	1,107	1,118	1,316	1,292	1,228	1,054
	Passenger – Male	790	719	719	826	753	952	946	880	739	789
	Passenger – Female	888	836	823	971	912	976	1,091	1,085	990	888
	Pedestrian – Male	19	20	13	29	21	9	23	35	21	19
	Pedestrian – Female	19	17	13	15	15	11	16	16	17	10
	Pedalcyclist – Male	12	11	7	7	9	14	9	5	9	8
	Pedalcyclist – Female	2	3	3	1	0	1	2	4	5	3
	Unknown	14	10	1	3	6	28	22	18	17	30
	Total	4,189	3,889	3,820	4,522	4,355	4,697	5,352	5,060	4,730	4,322

Rows listed as "Unknown" are only included where necessary. The "Unknown" category includes persons of unknown person type and/or unknown sex.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 34: Persons Killed or Injured in Speeding-Related Motor Vehicle Crashes by Person Type and Sex

STATE	TYPE – SEX	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED					
Virginia	Driver – Male	241	229	195	195	184	211	194	225	223	217
	Driver – Female	81	50	46	48	68	46	56	71	56	59
	Passenger – Male	95	74	62	66	71	63	68	60	55	70
	Passenger – Female	46	49	34	51	70	54	46	60	55	27
	Pedestrian – Male	11	25	9	12	11	11	13	14	10	9
	Pedestrian – Female	5	4	4	6	8	6	6	2	9	1
	Pedalcyclist – Male	4	3	2	3	2	1	0	2	3	1
	Pedalcyclist – Female	0	1	1	0	1	0	0	0	0	0
	Unknown	1	1	0	0	0	3	1	4	1	1
	Total	484	436	353	381	415	395	384	438	412	385
						INJURED					
Virginia	Driver – Male	8,388	7,612	7,491	8,509	8,807	8,342	8,621	7,748	8,373	8,597
	Driver – Female	5,326	4,984	4,970	6,101	6,492	6,334	6,587	5,712	6,699	7,062
	Passenger – Male	3,743	3,500	3,332	3,710	3,746	3,772	3,643	3,331	3,485	3,380
	Passenger – Female	3,731	3,500	3,714	4,175	4,480	4,240	4,275	3,774	4,134	4,135
	Pedestrian – Male	140	113	102	136	144	155	148	130	154	128
	Pedestrian – Female	74	80	67	76	96	97	86	81	112	101
	Pedalcyclist – Male	42	59	34	52	62	54	68	36	41	28
	Pedalcyclist – Female	8	10	9	12	15	8	13	4	10	7
	Unknown	34	26	24	52	84	76	80	62	106	76
	Total	21,486	19,884	19,743	22,823	23,926	23,078	23,521	20,878	23,114	23,514

Rows listed as "Unknown" are only included where necessary. The "Unknown" category includes persons of unknown person type and/or unknown sex.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 34: Persons Killed or Injured in Speeding-Related Motor Vehicle Crashes by Person Type and Sex

STATE	TYPE – SEX	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED					
Washington	Driver – Male	186	148	142	146	123	135	135	*	*	*
	Driver – Female	47	33	36	31	32	41	38	*	*	*
	Passenger – Male	63	53	41	54	34	46	54	*	*	*
	Passenger – Female	47	31	36	38	29	36	34	*	*	*
	Pedestrian – Male	5	3	6	6	6	2	4	*	*	*
	Pedestrian – Female	1	7	6	6	3	3	4	*	*	*
	Pedalcyclist – Male	3	0	1	0	4	0	0	*	*	*
	Pedalcyclist – Female	0	0	0	0	0	0	1	*	*	*
	Unknown	0	1	2	2	0	1	0	*	*	*
	Total	352	276	270	283	231	264	270	*	*	*
						INJURED					
Washington	Driver – Male	7,475	6,618	6,876	7,090	7,327	7,610	7,318	*	*	*
	Driver – Female	4,698	4,178	4,524	5,048	5,330	5,655	6,404	*	*	*
	Passenger – Male	3,149	2,809	3,020	3,031	3,282	3,202	3,293	*	*	*
	Passenger – Female	3,604	3,007	3,338	3,628	3,595	3,957	4,140	*	*	*
	Pedestrian – Male	71	49	62	66	66	58	73	*	*	*
	Pedestrian – Female	37	28	33	35	30	32	52	*	*	*
	Pedalcyclist – Male	23	28	31	20	32	25	22	*	*	*
	Pedalcyclist – Female	8	6	10	6	7	6	7	*	*	*
	Unknown	153	118	94	102	107	85	78	*	*	*
	Total	19,218	16,841	17,988	19,026	19,776	20,630	21,387	*	*	*

** Data not available.*

Rows listed as "Unknown" are only included where necessary. The "Unknown" category includes persons of unknown person type and/or unknown sex.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 35: Drivers Age 15-20 Involved in Fatal and Injury Speeding-Related Crashes by Sex

STATE	SEX	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						FATAL CRASHES					
California	Male	286	261	225	193	176	192	167	173	130	182
	Female	75	76	41	52	46	56	56	46	40	41
	Total	361	337	266	245	222	248	223	219	170	223
Florida	Male	100	117	82	86	88	113	102	73	87	102
	Female	27	31	14	28	20	23	22	26	24	25
	Total	127	148	96	114	108	136	124	99	111	127
Georgia	Male	103	85	64	78	65	80	85	82	58	*
	Female	25	22	19	25	19	19	28	26	19	*
	Total	128	107	83	103	84	99	113	108	77	*
Illinois	Male	35	39	35	17	24	27	22	65	70	51
	Female	10	9	1	9	8	9	5	23	21	18
	Total	45	48	36	26	32	36	27	88	91	69
Indiana	Male	50	63	41	45	53	42	53	55	34	39
	Female	8	13	14	9	16	9	7	13	14	12
	Unknown	0	1	0	0	0	1	0	0	0	0
	Total	58	77	55	54	69	52	60	68	48	51
Kansas	Male	30	24	29	26	25	25	31	18	27	33
	Female	10	6	4	10	13	7	7	5	7	6
	Total	40	30	33	36	38	32	38	23	34	39
Maryland	Male	40	39	28	37	42	36	37	41	50	61
	Female	11	5	5	7	7	7	8	10	6	12
	Total	51	44	33	44	49	43	45	51	56	73
Michigan	Male	85	70	51	40	65	76	72	58	55	44
	Female	14	22	23	17	19	30	19	19	19	16
	Unknown	0	0	1	2	2	1	1	2	0	2
	Total	99	92	75	59	86	107	92	79	74	62
Missouri	Male	86	100	65	81	95	74	85	87	78	86
	Female	24	13	20	30	27	26	28	31	30	18
	Total	110	113	85	111	122	100	113	118	108	104
New Mexico	Male	43	36	20	25	29	41	30	22	26	31
	Female	10	3	5	9	9	6	11	6	10	12
	Total	53	39	25	34	38	47	41	28	36	43

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 35: Drivers Age 15-20 Involved in Fatal and Injury Speeding-Related Crashes by Sex

STATE	SEX	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
FATAL CRASHES (Continued)											
North Carolina	Male	*	*	90	112	114	103	115	108	118	106
	Female	*	*	31	25	33	36	31	29	38	35
	Unknown	*	*	1	1	0	1	0	0	1	0
	Total	*	*	122	138	147	140	146	137	157	141
Ohio	Male	62	81	60	64	60	61	61	53	68	70
	Female	26	30	15	20	17	10	14	20	21	22
	Total	88	111	75	84	77	71	75	73	89	92
Pennsylvania	Male	81	91	61	64	76	61	67	78	52	49
	Female	17	17	10	14	22	17	24	30	24	24
	Total	98	108	71	78	98	78	91	108	76	73
Texas	Male	222	186	197	190	179	185	199	178	218	213
	Female	47	48	46	63	65	58	77	68	60	79
	Unknown	0	0	0	0	0	0	1	1	0	0
	Total	269	234	243	253	244	243	277	247	278	292
Utah	Male	21	19	17	21	25	19	18	24	23	19
	Female	7	5	4	11	11	7	8	13	8	10
	Total	28	24	21	32	36	26	26	37	31	29
Virginia	Male	100	84	71	62	72	83	75	78	66	55
	Female	27	25	26	20	20	18	26	37	24	25
	Total	127	109	97	82	92	101	101	115	90	80
Washington	Male	70	48	48	54	37	41	38	*	*	*
	Female	13	11	11	14	12	16	15	*	*	*
	Total	83	59	59	68	49	57	53	*	*	*

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 35: Drivers Age 15-20 Involved in Fatal and Injury Speeding-Related Crashes by Sex

STATE	SEX	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURY CRASHES					
California	Male	14,572	13,417	11,883	10,648	10,986	10,341	10,193	9,382	10,367	10,402
	Female	7,561	6,910	6,642	6,176	6,452	6,424	6,332	6,185	7,106	7,066
	Unknown	12	2	7	9	12	12	8	4	7	12
	Total	22,145	20,329	18,532	16,833	17,450	16,777	16,533	15,571	17,480	17,480
Florida	Male	1,829	1,530	1,457	1,404	1,415	1,450	1,509	1,451	1,325	1,334
	Female	678	550	523	561	608	627	653	593	584	592
	Unknown	4	1	0	3	1	0	0	0	1	1
	Total	2,511	2,081	1,980	1,968	2,024	2,077	2,162	2,044	1,910	1,927
Georgia	Male	2,240	2,096	2,020	2,024	2,491	2,425	2,298	2,249	1,764	*
	Female	1,054	939	992	970	1,172	1,147	1,169	1,163	999	*
	Unknown	0	0	0	0	0	0	0	0	7	*
	Total	3,294	3,035	3,012	2,994	3,663	3,572	3,467	3,412	2,770	*
Illinois	Male	949	837	795	539	586	630	1,609	3,246	3,137	2,796
	Female	528	483	465	324	271	375	1,120	2,228	2,059	1,912
	Unknown	0	0	0	0	0	0	2	14	7	10
	Total	1,477	1,320	1,260	863	857	1,005	2,731	5,488	5,203	4,718
Indiana	Male	1,394	1,245	1,269	1,342	1,341	1,432	1,345	1,433	1,316	1,305
	Female	588	563	554	592	691	722	636	771	660	655
	Unknown	1	2	2	3	2	1	2	1	1	4
	Total	1,983	1,810	1,825	1,937	2,034	2,155	1,983	2,205	1,977	1,964
Kansas	Male	836	708	705	681	704	774	769	732	834	793
	Female	385	332	374	401	397	415	433	458	510	500
	Total	1,221	1,040	1,079	1,082	1,101	1,189	1,202	1,190	1,344	1,293
Maryland	Male	1,167	992	1,094	1,307	1,566	1,696	1,609	1,623	1,617	1,598
	Female	510	446	582	681	826	892	912	910	935	887
	Unknown	0	0	0	2	0	2	2	2	1	1
	Total	1,677	1,438	1,676	1,990	2,392	2,590	2,523	2,535	2,553	2,486
Michigan	Male	2,742	2,428	2,032	2,353	2,516	2,700	2,623	2,421	2,245	2,233
	Female	1,339	1,243	1,195	1,385	1,353	1,592	1,629	1,590	1,319	1,384
	Unknown	0	0	53	38	57	102	77	62	46	43
	Total	4,081	3,671	3,280	3,776	3,926	4,394	4,329	4,073	3,610	3,660
Missouri	Male	2,666	2,309	2,384	2,507	2,558	2,764	2,698	2,620	2,591	2,466
	Female	1,316	1,214	1,241	1,450	1,515	1,527	1,566	1,451	1,568	1,437
	Unknown	0	0	0	0	0	0	2	0	1	1
	Total	3,982	3,523	3,625	3,957	4,073	4,291	4,266	4,071	4,160	3,904

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 35: Drivers Age 15-20 Involved in Fatal and Injury Speeding-Related Crashes by Sex

STATE	SEX	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
					INJURY CRASHES (Continued)						
New Mexico	Male	549	510	555	700	805	776	843	794	678	648
	Female	239	207	275	325	405	448	434	447	418	351
	Unknown	1	0	0	2	3	4	2	1	4	2
	Total	789	717	830	1,027	1,213	1,228	1,279	1,242	1,100	1,001
North Carolina	Male	*	*	3,595	3,557	3,641	3,837	3,969	3,708	3,568	3,498
	Female	*	*	1,761	1,668	1,872	1,977	2,065	2,036	1,868	1,781
	Unknown	*	*	8	9	6	9	22	27	24	26
	Total	*	*	5,364	5,234	5,519	5,823	6,056	5,771	5,460	5,305
Ohio	Male	2,387	2,034	1,947	1,987	2,013	2,009	1,977	1,950	1,806	1,709
	Female	1,128	1,070	1,003	1,013	1,074	1,090	1,134	1,066	1,044	1,007
	Unknown	1	6	3	1	2	3	2	2	1	3
	Total	3,516	3,110	2,953	3,001	3,089	3,102	3,113	3,018	2,851	2,719
Pennsylvania	Male	1,894	1,694	1,630	1,357	2,869	2,256	2,658	2,161	2,164	2,545
	Female	717	614	629	533	1,323	1,099	1,337	1,218	1,192	1,393
	Unknown	1	0	0	0	0	1	0	0	0	0
	Total	2,612	2,308	2,259	1,890	4,192	3,356	3,995	3,379	3,356	3,938
Texas	Male	11,079	10,578	10,292	10,758	11,746	11,843	12,228	12,336	13,550	14,082
	Female	5,910	5,579	5,706	6,072	6,638	7,112	7,336	7,860	8,981	9,178
	Unknown	33	32	22	30	32	29	33	41	46	59
	Total	17,022	16,189	16,020	16,860	18,416	18,984	19,597	20,237	22,577	23,319
Utah	Male	716	623	680	752	745	853	868	810	729	694
	Female	425	360	384	446	497	524	579	552	519	432
	Unknown	1	0	1	0	0	1	1	0	0	2
	Total	1,142	983	1,065	1,198	1,242	1,378	1,448	1,362	1,248	1,128
Virginia	Male	3,302	3,006	2,849	3,103	3,240	3,197	3,088	2,970	3,109	3,271
	Female	1,715	1,551	1,560	1,750	1,916	2,002	1,893	1,804	2,041	2,190
	Unknown	0	1	0	0	0	1	2	0	2	1
	Total	5,017	4,558	4,409	4,853	5,156	5,200	4,983	4,774	5,152	5,462
Washington	Male	2,497	2,209	2,321	2,270	2,471	2,541	2,279	*	*	*
	Female	1,355	1,151	1,242	1,415	1,465	1,519	1,621	*	*	*
	Unknown	11	3	1	4	5	1	3	*	*	*
	Total	3,863	3,363	3,564	3,689	3,941	4,061	3,903	*	*	*

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Rollovers

Crash Data Report: 1990-1999

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National Center for Statistics & Analysis

Table 36: Single-Vehicle Rollover Crashes by Vehicle Type and Crash Severity

STATE	VEHICLE/TRUCK TYPE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
					FATAL CRASHES						
California	Passenger car	197	180	159	127	152	134	148	98	98	115
	Light truck	115	112	85	95	108	76	76	80	60	76
	Car & light truck – Total	312	292	244	222	260	210	224	178	158	191
					INJURY CRASHES						
California	Passenger car	3,309	3,066	2,771	2,562	2,534	2,363	2,323	2,255	2,260	2,269
	Light truck	1,910	1,738	1,563	1,438	1,375	1,318	1,321	1,109	1,081	1,096
	Car & light truck – Total	5,219	4,804	4,334	4,000	3,909	3,681	3,644	3,364	3,341	3,365
					PROPERTY DAMAGE ONLY CRASHES						
California	Passenger car	1,809	1,699	1,537	1,800	1,759	1,607	1,585	1,582	1,714	1,559
	Light truck	1,371	1,133	1,020	1,121	1,176	1,129	1,127	1,045	1,062	926
	Car & light truck – Total	3,180	2,832	2,557	2,921	2,935	2,736	2,712	2,627	2,776	2,485
					FATAL CRASHES						
Florida	Passenger car	78	58	59	53	46	53	65	66	57	73
	Light truck – Pickup	38	34	26	42	36	31	33	37	41	53
	Light truck – Van	12	8	9	20	12	12	11	12	8	20
	Light truck – Subtotal	50	42	35	62	48	43	44	49	49	73
	Car & light truck – Total	128	100	94	115	94	96	109	115	106	146
					INJURY CRASHES						
Florida	Passenger car	1,548	1,136	1,277	1,191	1,076	1,102	1,175	1,185	1,133	1,228
	Light truck – Pickup	766	659	624	653	618	647	736	690	681	771
	Light truck – Van	142	131	147	174	169	199	184	205	194	193
	Light truck – Subtotal	908	790	771	827	787	846	920	895	875	964
	Car & light truck – Total	2,456	1,926	2,048	2,018	1,863	1,948	2,095	2,080	2,008	2,192
					PROPERTY DAMAGE ONLY CRASHES						
Florida	Passenger car	417	299	248	245	224	258	292	363	307	305
	Light truck – Pickup	214	182	137	142	157	181	223	207	200	229
	Light truck – Van	54	44	38	33	36	40	66	44	50	57
	Light truck – Subtotal	268	226	175	175	193	221	289	251	250	286
	Car & light truck – Total	685	525	423	420	417	479	581	614	557	591
					FATAL CRASHES						
Georgia	Passenger car	76	57	49	60	35	49	48	32	37	*
	Light truck – Pickup	51	42	28	36	31	31	29	30	31	*
	Light truck – Utility	**0**	**0**	**0**	**0**	13	13	20	30	21	*
	Light truck – Van	2	6	5	6	6	5	4	4	6	*
	Light truck – Other	0	1	0	0	0	0	0	1	1	*
	Light truck – Subtotal	53	49	33	42	50	49	53	65	59	*
	Car & light truck – Total	129	106	82	102	85	98	101	97	96	*

**Data not available.*

Bold numbers denote state-years where the light truck category was not used.

Rows listed as "Light-Truck – Other" are only included where applicable.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 36: Single-Vehicle Rollover Crashes by Vehicle Type and Crash Severity

STATE	VEHICLE/TRUCK TYPE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
					INJURY CRASHES						
Georgia	Passenger car	1,603	1,288	1,413	1,310	1,083	1,026	1,214	987	959	*
	Light truck – Pickup	758	621	618	601	481	548	566	517	465	*
	Light truck – Utility	**0**	**0**	**0**	**0**	125	214	307	323	354	*
	Light truck – Van	124	107	136	128	97	101	102	116	102	*
	Light truck – Other	33	27	34	24	28	23	31	31	43	*
	Light truck – Subtotal	915	755	788	753	731	886	1,006	987	964	*
	Car & light truck – Total	2,518	2,043	2,201	2,063	1,814	1,912	2,220	1,974	1,923	*
					PROPERTY DAMAGE ONLY CRASHES						
Georgia	Passenger car	1,089	895	871	934	696	598	709	640	602	*
	Light truck – Pickup	615	495	443	463	374	383	443	403	374	*
	Light truck – Utility	**0**	**0**	**0**	**0**	86	146	182	189	192	*
	Light truck – Van	109	91	82	94	74	59	79	65	57	*
	Light truck – Other	63	65	52	70	56	42	51	51	63	*
	Light truck – Subtotal	787	651	577	627	590	630	755	708	686	*
	Car & light truck – Total	1,876	1,546	1,448	1,561	1,286	1,228	1,464	1,348	1,288	*
					FATAL CRASHES						
Illinois	Passenger car	72	51	78	57	66	47	26	43	39	59
	Light truck – Pickup	30	39	37	22	20	16	4	16	18	18
	Light truck – Utility	**0**	**0**	**0**	**0**	**0**	**0**	7	23	11	26
	Light truck – Van	6	9	6	8	7	5	4	10	7	7
	Light truck – Subtotal	36	48	43	30	27	21	15	49	36	51
	Car & light truck – Total	108	99	121	87	93	68	41	92	75	110
					INJURY CRASHES						
Illinois	Passenger car	1,987	1,910	1,952	1,508	1,174	1,023	738	1,809	1,638	1,804
	Light truck – Pickup	832	807	758	538	321	308	198	531	557	581
	Light truck – Utility	**0**	**0**	**0**	**0**	**0**	**0**	82	199	243	342
	Light truck – Van	222	201	219	195	147	158	136	223	215	226
	Light truck – Subtotal	1,054	1,008	977	733	468	466	416	953	1,015	1,149
	Car & light truck – Total	3,041	2,918	2,929	2,241	1,642	1,489	1,154	2,762	2,653	2,953
					PROPERTY DAMAGE ONLY CRASHES						
Illinois	Passenger car	1,257	1,080	1,077	841	645	666	428	1,179	984	1,359
	Light truck – Pickup	734	723	594	504	308	333	173	603	486	634
	Light truck – Utility	**0**	**0**	**0**	**0**	**0**	**0**	41	184	224	329
	Light truck – Van	199	192	140	149	101	107	81	199	171	233
	Light truck – Subtotal	933	915	734	653	409	440	295	986	881	1,196
	Car & light truck – Total	2,190	1,995	1,811	1,494	1,054	1,106	723	2,165	1,865	2,555

**Data not available.*

Bold numbers denote state-years where the light truck category was not used.

Rows listed as "Light-Truck – Other" are only included where applicable.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 36: Single-Vehicle Rollover Crashes by Vehicle Type and Crash Severity

STATE	VEHICLE/TRUCK TYPE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
					FATAL CRASHES						
Indiana	Passenger car	61	55	56	40	67	67	64	63	55	70
	Light truck – Pickup	17	30	14	22	22	24	10	16	30	25
	Light truck – Van	6	7	8	1	6	2	14	5	14	8
	Light truck – Subtotal	23	37	22	23	28	26	24	21	44	33
	Car & light truck – Total	84	92	78	63	95	93	88	84	99	103
					INJURY CRASHES						
Indiana	Passenger car	1,644	1,467	1,426	1,333	1,550	1,614	1,468	1,515	1,434	1,571
	Light truck – Pickup	536	525	534	522	507	601	460	530	501	509
	Light truck – Van	117	114	139	145	144	180	188	171	147	171
	Light truck – Subtotal	653	639	673	667	651	781	648	701	648	680
	Car & light truck – Total	2,297	2,106	2,099	2,000	2,201	2,395	2,116	2,216	2,082	2,251
					PROPERTY DAMAGE ONLY CRASHES						
Indiana	Passenger car	1,232	1,174	1,032	971	1,082	1,219	1,139	1,208	1,036	1,430
	Light truck – Pickup	607	555	545	573	580	631	585	570	519	653
	Light truck – Van	152	134	145	138	128	196	184	166	141	187
	Light truck – Subtotal	759	689	690	711	708	827	769	736	660	840
	Car & light truck – Total	1,991	1,863	1,722	1,682	1,790	2,046	1,908	1,944	1,696	2,270
					FATAL CRASHES						
Kansas	Passenger car	33	25	33	24	45	43	50	26	38	45
	Light truck	12	14	17	14	29	25	28	21	29	28
	Car & light truck – Total	45	39	50	38	74	68	78	47	67	73
					INJURY CRASHES						
Kansas	Passenger car	810	770	726	722	845	810	899	485	452	468
	Light truck	509	485	456	456	557	478	521	306	278	254
	Car & light truck – Total	1,319	1,255	1,182	1,178	1,402	1,288	1,420	791	730	722
					PROPERTY DAMAGE ONLY CRASHES						
Kansas	Passenger car	527	543	492	563	582	585	612	354	352	304
	Light truck	468	533	459	540	494	501	499	320	264	243
	Car & light truck – Total	995	1,076	951	1,103	1,076	1,086	1,111	674	616	547
					FATAL CRASHES						
Maryland	Passenger car	21	19	12	27	26	29	26	17	30	21
	Light truck – Pickup	**0**	**0**	**0**	2	5	11	6	11	4	7
	Light truck – Van	**0**	**0**	**0**	1	5	3	3	5	4	1
	Light truck – Other	13	19	9	0	3	5	7	13	7	9
	Light truck – Subtotal	13	19	9	3	13	19	16	29	15	17
	Car & light truck – Total	34	38	21	30	39	48	42	46	45	38

Rows listed as "Light-Truck – Other" are only included where applicable.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 36: Single-Vehicle Rollover Crashes by Vehicle Type and Crash Severity

STATE	VEHICLE/TRUCK TYPE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
					INJURY CRASHES						
Maryland	Passenger car	733	674	597	771	846	751	753	677	691	604
	Light truck – Pickup	**0**	**0**	**0**	139	204	215	230	235	193	169
	Light truck – Van	**0**	**0**	**0**	51	99	63	94	78	76	63
	Light truck – Other	405	378	344	19	104	169	207	231	214	231
	Light truck – Subtotal	405	378	344	209	407	447	531	544	483	463
	Car & light truck – Total	1,138	1,052	941	980	1,253	1,198	1,284	1,221	1,174	1,067
					PROPERTY DAMAGE ONLY CRASHES						
Maryland	Passenger car	365	327	284	429	481	470	358	400	413	380
	Light truck – Pickup	**0**	**0**	**0**	109	150	171	185	164	164	161
	Light truck – Van	**0**	**0**	**0**	37	48	47	61	50	57	52
	Light truck – Other	252	201	207	15	70	117	144	144	153	163
	Light truck – Subtotal	252	201	207	161	268	335	390	358	374	376
	Car & light truck – Total	617	528	491	590	749	805	748	758	787	756
					FATAL CRASHES						
Michigan	Passenger car	96	77	75	106	97	93	76	87	101	94
	Light truck – Pickup	31	25	17	19	18	29	32	19	31	35
	Light truck – Van	**0**	**0**	7	8	3	6	7	8	12	5
	Light truck – Other	0	0	1	0	1	2	3	5	5	2
	Light truck – Subtotal	31	25	25	27	22	37	42	32	48	42
	Car & light truck – Total	127	102	100	133	119	130	118	119	149	136
					INJURY CRASHES						
Michigan	Passenger car	4,126	3,734	2,510	2,727	3,014	3,011	3,173	3,012	2,814	2,991
	Light truck – Pickup	1,289	1,137	836	854	998	1,023	1,043	1,055	905	985
	Light truck – Van	**0**	**0**	166	288	305	359	363	390	280	288
	Light truck – Other	22	21	44	61	73	112	119	132	112	148
	Light truck – Subtotal	1,311	1,158	1,046	1,203	1,376	1,494	1,525	1,577	1,297	1,421
	Car & light truck – Total	5,437	4,892	3,556	3,930	4,390	4,505	4,698	4,589	4,111	4,412
					PROPERTY DAMAGE ONLY CRASHES						
Michigan	Passenger car	3,661	3,217	2,484	2,038	2,405	2,589	2,682	2,810	2,107	2,519
	Light truck – Pickup	1,649	1,454	1,049	993	1,167	1,318	1,439	1,341	1,085	1,165
	Light truck – Van	**0**	**0**	279	232	264	379	415	413	312	369
	Light truck – Other	18	16	67	72	92	114	173	166	128	166
	Light truck – Subtotal	1,667	1,470	1,395	1,297	1,523	1,811	2,027	1,920	1,525	1,700
	Car & light truck – Total	5,328	4,687	3,879	3,335	3,928	4,400	4,709	4,730	3,632	4,219

Bold numbers denote state-years where the light truck category was not used.

Rows listed as "Light-Truck – Other" are only included where applicable.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 36: Single-Vehicle Rollover Crashes by Vehicle Type and Crash Severity

STATE	VEHICLE/TRUCK TYPE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
					FATAL CRASHES						
Missouri	Passenger car	45	44	47	23	34	24	31	26	20	24
	Light truck – Pickup	**0**	**0**	**0**	24	28	29	30	25	35	33
	Light truck – Utility	**0**	**0**	**0**	9	7	12	14	13	13	17
	Light truck – Van	3	3	7	7	3	7	6	4	8	4
	Light truck – Other	33	22	23	0	0	0	0	0	0	0
	Light truck – Subtotal	36	25	30	40	38	48	50	42	56	54
	Car & light truck – Total	81	69	77	63	72	72	81	68	76	78
					INJURY CRASHES						
Missouri	Passenger car	1,060	1,078	1,060	836	919	952	913	910	811	863
	Light truck – Pickup	**0**	**0**	**0**	466	494	536	525	494	499	523
	Light truck – Utility	**0**	**0**	**0**	199	190	225	292	239	298	345
	Light truck – Van	83	102	89	98	104	116	146	137	109	158
	Light truck – Other	561	491	489	0	0	0	0	0	0	0
	Light truck – Subtotal	644	593	578	763	788	877	963	870	906	1,026
	Car & light truck – Total	1,704	1,671	1,638	1,599	1,707	1,829	1,876	1,780	1,717	1,889
					PROPERTY DAMAGE ONLY CRASHES						
Missouri	Passenger car	843	790	747	569	615	595	654	545	494	591
	Light truck – Pickup	**0**	**0**	**0**	430	442	474	473	471	466	464
	Light truck – Utility	**0**	**0**	**0**	166	153	196	219	236	234	309
	Light truck – Van	114	95	69	86	84	99	114	102	89	115
	Light truck – Other	500	515	446	0	0	0	0	0	0	0
	Light truck – Subtotal	614	610	515	682	679	769	806	809	789	888
	Car & light truck – Total	1,457	1,400	1,262	1,251	1,294	1,364	1,460	1,354	1,283	1,479
					FATAL CRASHES						
New Mexico[1]	Passenger car	62	57	46	65	59	55	56	47	53	38
	Light truck – Pickup	64	54	59	64	49	67	38	38	37	50
	Light truck – Utility	12	13	6	6	10	10	16	16	29	25
	Light truck – Van	6	9	9	5	10	9	15	17	11	6
	Light truck – Subtotal	82	76	74	75	69	86	69	71	77	81
	Car & light truck – Total	144	133	120	140	128	141	125	118	130	119
					INJURY CRASHES						
New Mexico	Passenger car	655	687	714	657	588	649	679	685	637	570
	Light truck – Pickup	554	597	588	576	547	595	609	650	527	449
	Light truck – Utility	117	117	107	77	58	74	81	94	86	188
	Light truck – Van	74	63	85	94	98	96	120	105	95	61
	Light truck – Subtotal	745	777	780	747	703	765	810	849	708	698
	Car & light truck – Total	1,400	1,464	1,494	1,404	1,291	1,414	1,489	1,534	1,345	1,268

Bold numbers denote state-years where the light truck category was not used.

Rows listed as "Light-Truck – Other" are only included where applicable.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

[1]New Mexico: Comparison with FARS single-vehicle rollover data indicates that the rollover totals tabulated for New Mexico 1990-1999 are overestimated by a factor of 2 to 3. Consult the Rollover query in "Supplemental Information" for further details.

Table 36: Single-Vehicle Rollover Crashes by Vehicle Type and Crash Severity

STATE	VEHICLE/TRUCK TYPE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
					PROPERTY DAMAGE ONLY CRASHES						
New Mexico	Passenger car	497	454	468	450	423	458	416	422	346	311
	Light truck – Pickup	557	490	544	471	446	495	468	580	410	356
	Light truck – Utility	113	90	75	61	44	50	65	108	66	107
	Light truck – Van	50	47	61	67	51	54	61	68	50	42
	Light truck – Subtotal	720	627	680	599	541	599	594	756	526	505
	Car & light truck – Total	1,217	1,081	1,148	1,049	964	1,057	1,010	1,178	872	816
					FATAL CRASHES						
North Carolina	Passenger car	*	*	85	113	104	100	94	101	103	110
	Light truck – Pickup	*	*	38	31	22	46	41	30	37	32
	Light truck – Van	*	*	2	4	6	9	4	9	4	9
	Light truck – Other	*	*	5	11	19	10	13	14	16	18
	Light truck – Subtotal	*	*	45	46	47	65	58	53	57	59
	Car & light truck – Total	*	*	130	159	151	165	152	154	160	169
					INJURY CRASHES						
North Carolina	Passenger car	*	*	2,907	3,079	3,263	3,295	3,158	3,167	3,044	3,135
	Light truck – Pickup	*	*	934	929	936	987	1,031	856	787	916
	Light truck – Van	*	*	105	132	123	150	183	165	182	194
	Light truck – Other	*	*	281	291	316	325	314	386	383	474
	Light truck – Subtotal	*	*	1,320	1,352	1,375	1,462	1,528	1,407	1,352	1,584
	Car & light truck – Total	*	*	4,227	4,431	4,638	4,757	4,686	4,574	4,396	4,719
					PROPERTY DAMAGE ONLY CRASHES						
North Carolina	Passenger car	*	*	1,649	1,724	1,744	1,802	1,957	1,828	1,695	1,749
	Light truck – Pickup	*	*	608	683	744	739	844	706	610	744
	Light truck – Van	*	*	69	91	99	94	145	105	102	142
	Light truck – Other	*	*	208	215	215	224	244	252	261	279
	Light truck – Subtotal	*	*	885	989	1,058	1,057	1,233	1,063	973	1,165
	Car & light truck – Total	*	*	2,534	2,713	2,802	2,859	3,190	2,891	2,668	2,914
					FATAL CRASHES						
Ohio	Passenger car	16	24	11	21	8	15	18	14	23	24
	Light truck	11	21	9	10	7	5	6	4	3	8
	Car & light truck – Total	27	45	20	31	15	20	24	18	26	32
					INJURY CRASHES						
Ohio	Passenger car	897	859	763	751	872	875	907	905	860	1,139
	Light truck	373	370	313	325	387	410	401	345	377	443
	Car & light truck – Total	1,270	1,229	1,076	1,076	1,259	1,285	1,308	1,250	1,237	1,582

**Data not available.*

Rows listed as "Light-Truck – Other" are only included where applicable.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

[1]New Mexico: Comparison with FARS single-vehicle rollover data indicates that the rollover totals tabulated for New Mexico 1990-1999 are overestimated by a factor of 2 to 3. Consult the Rollover query in "Supplemental Information" for further details.

Table 36: Single-Vehicle Rollover Crashes by Vehicle Type and Crash Severity

STATE	VEHICLE/TRUCK TYPE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
					PROPERTY DAMAGE ONLY CRASHES						
Ohio	Passenger car	547	466	455	478	505	513	583	480	423	726
	Light truck	275	311	300	249	342	302	327	305	242	380
	Car & light truck – Total	822	777	755	727	847	815	910	785	665	1,106
					FATAL CRASHES						
Pennsylvania	Passenger car	92	59	76	49	71	61	61	68	68	69
	Light truck	40	38	35	40	38	45	52	48	43	59
	Car & light truck – Total	132	97	111	89	109	106	113	116	111	128
					INJURY CRASHES						
Pennsylvania	Passenger car	1,734	1,892	1,799	1,741	1,537	1,607	1,846	1,768	1,905	2,026
	Light truck	820	897	913	982	1,128	955	1,396	1,179	1,193	1,451
	Car & light truck – Total	2,554	2,789	2,712	2,723	2,665	2,562	3,242	2,947	3,098	3,477
					PROPERTY DAMAGE ONLY CRASHES						
Pennsylvania	Passenger car	951	999	1,010	1,015	1,078	953	1,156	1,011	974	1,203
	Light truck	523	573	710	692	940	778	1,063	830	753	1,064
	Car & light truck – Total	1,474	1,572	1,720	1,707	2,018	1,731	2,219	1,841	1,727	2,267
					FATAL CRASHES						
Texas[2]	Passenger car	147	114	120	125	115	119	164	131	148	141
	Light truck – Pickup	148	130	140	106	127	110	148	154	163	149
	Light truck – Utility	**0**	**0**	**0**	**0**	**0**	**0**	93	78	88	96
	Light truck – Van	7	11	15	13	24	19	35	24	34	19
	Light truck – Other	43	35	39	51	47	65	2	0	0	2
	Light truck – Subtotal	198	176	194	170	198	194	278	256	285	266
	Car & light truck – Total	345	290	314	295	313	313	442	387	433	407
					INJURY CRASHES						
Texas	Passenger car	3,390	2,885	2,662	2,765	2,891	2,947	3,743	3,253	3,067	3,268
	Light truck – Pickup	2,359	2,013	1,865	2,005	2,054	2,266	2,631	2,379	2,262	2,280
	Light truck – Utility	**0**	**0**	**0**	**0**	**0**	**0**	1,371	1,521	1,552	1,790
	Light truck – Van	341	353	317	352	330	415	485	511	433	417
	Light truck – Other	757	729	770	852	938	1,019	24	12	15	6
	Light truck – Subtotal	3,457	3,095	2,952	3,209	3,322	3,700	4,511	4,423	4,262	4,493
	Car & light truck – Total	6,847	5,980	5,614	5,974	6,213	6,647	8,254	7,676	7,329	7,761

Bold numbers denote state-years where the light truck category was not used.

Rows listed as "Light-Truck – Other" are only included where applicable.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

[2] Texas: Comparison with FARS single-vehicle rollover data indicates that the rollover totals tabulated for Texas 1990-1996 are overestimated by approximately 30-40%. Totals for Texas 1997-1999 are overestimated by approximately 60%. Consult the Rollover query in "Supplemental Information" for further details.

Table 36: Single-Vehicle Rollover Crashes by Vehicle Type and Crash Severity

STATE	VEHICLE/TRUCK TYPE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
					PROPERTY DAMAGE ONLY CRASHES						
Texas	Passenger car	1,654	1,389	1,291	1,409	1,406	1,425	1,699	1,437	1,510	1,582
	Light truck – Pickup	1,522	1,370	1,199	1,291	1,388	1,355	1,499	1,546	1,433	1,479
	Light truck – Utility	**0**	**0**	**0**	**0**	**0**	**0**	607	702	696	805
	Light truck – Van	199	185	198	211	204	198	226	298	233	201
	Light truck – Other	400	416	366	448	396	480	9	6	6	5
	Light truck – Subtotal	2,121	1,971	1,763	1,950	1,988	2,033	2,341	2,552	2,368	2,490
	Car & light truck – Total	3,775	3,360	3,054	3,359	3,394	3,458	4,040	3,989	3,878	4,072
					FATAL CRASHES						
Utah	Passenger car	16	14	11	14	18	24	16	15	17	15
	Light truck	21	23	21	24	23	29	34	19	20	38
	Car & light truck – Total	37	37	32	38	41	53	50	34	37	53
					INJURY CRASHES						
Utah	Passenger car	235	206	240	278	274	363	383	386	372	385
	Light truck	250	289	344	342	384	553	567	545	593	563
	Car & light truck – Total	485	495	584	620	658	916	950	931	965	948
					PROPERTY DAMAGE ONLY CRASHES						
Utah	Passenger car	131	147	153	198	149	187	217	211	218	157
	Light truck	205	296	309	334	355	417	467	438	452	403
	Car & light truck – Total	336	443	462	532	504	604	684	649	670	560
					FATAL CRASHES						
Virginia	Passenger car	23	24	31	18	33	33	20	27	23	15
	Light truck – Pickup	11	13	7	10	10	18	9	6	25	20
	Light truck – Van	3	3	1	0	2	2	0	1	5	2
	Light truck – Subtotal	14	16	8	10	12	20	9	7	30	22
	Car & light truck – Total	37	40	39	28	45	53	29	34	53	37
					INJURY CRASHES						
Virginia	Passenger car	891	1,007	990	957	981	929	941	984	1,018	879
	Light truck – Pickup	353	357	342	357	387	329	364	412	427	445
	Light truck – Van	40	61	47	60	55	78	65	66	77	48
	Light truck – Subtotal	393	418	389	417	442	407	429	478	504	493
	Car & light truck – Total	1,284	1,425	1,379	1,374	1,423	1,336	1,370	1,462	1,522	1,372

Bold numbers denote state-years where the light truck category was not used.

Rows listed as "Light-Truck – Other" are only included where applicable.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

[2] Texas: Comparison with FARS single-vehicle rollover data indicates that the rollover totals tabulated for Texas 1990-1996 are overestimated by approximately 30-40%. Totals for Texas 1997-1999 are overestimated by approximately 60%. Consult the Rollover query in "Supplemental Information" for further details.

Table 36: Single-Vehicle Rollover Crashes by Vehicle Type and Crash Severity

STATE	VEHICLE/TRUCK TYPE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
					PROPERTY DAMAGE ONLY CRASHES						
Virginia	Passenger car	739	740	676	632	627	599	666	626	620	526
	Light truck – Pickup	338	311	297	348	336	282	400	323	375	395
	Light truck – Van	50	53	44	36	56	48	67	42	55	43
	Light truck – Subtotal	388	364	341	384	392	330	467	365	430	438
	Car & light truck – Total	1,127	1,104	1,017	1,016	1,019	929	1,133	991	1,050	964
					FATAL CRASHES						
Washington	Passenger car	54	44	33	45	44	45	40	*	*	*
	Light truck	34	27	31	28	28	22	37	*	*	*
	Car & light truck – Total	88	71	64	73	72	67	77	*	*	*
					INJURY CRASHES						
Washington	Passenger car	1,307	1,300	1,258	1,181	1,179	1,231	1,107	*	*	*
	Light truck	1,019	1,056	942	1,074	1,142	1,175	1,216	*	*	*
	Car & light truck – Total	2,326	2,356	2,200	2,255	2,321	2,406	2,323	*	*	*
					PROPERTY DAMAGE ONLY CRASHES						
Washington	Passenger car	1,173	985	940	969	898	927	835	*	*	*
	Light truck	1,161	1,113	987	1,210	1,115	1,148	1,467	*	*	*
	Car & light truck – Total	2,334	2,098	1,927	2,179	2,013	2,075	2,302	*	*	*

**Data not available.*

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 37: Passenger Car and Light Truck Occupants Killed or Injured in Single-Vehicle Rollover Crashes

STATE	VEHICLE/TRUCK TYPE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
					KILLED						
California	Passenger car	208	196	182	144	163	151	164	107	106	141
	Light truck	122	120	91	103	128	94	82	105	65	100
	Car & light truck – Total	330	316	273	247	291	245	246	212	171	241
					INJURED						
California	Passenger car	5,295	4,929	4,548	4,209	4,160	3,850	3,835	3,607	3,717	3,686
	Light truck	3,116	3,011	2,673	2,555	2,439	2,250	2,292	1,944	1,840	1,767
	Car & light truck – Total	8,411	7,940	7,221	6,764	6,599	6,100	6,127	5,551	5,557	5,453
					KILLED						
Florida	Passenger car	80	66	64	56	50	58	73	74	62	82
	Light truck – Pickup	42	36	27	44	39	32	36	38	44	62
	Light truck – Van	14	9	11	28	17	13	11	14	11	22
	Light truck – Subtotal	56	45	38	72	56	45	47	52	55	84
	Car & light truck – Total	136	111	102	128	106	103	120	126	117	166
					INJURED						
Florida	Passenger car	2,440	1,817	2,094	1,898	1,726	1,721	1,794	1,825	1,833	1,915
	Light truck – Pickup	1,168	1,021	999	1,016	1,014	981	1,114	1,028	989	1,156
	Light truck – Van	309	333	369	470	419	408	394	420	370	493
	Light truck – Subtotal	1,477	1,354	1,368	1,486	1,433	1,389	1,508	1,448	1,359	1,649
	Car & light truck – Total	3,917	3,171	3,462	3,384	3,159	3,110	3,302	3,273	3,192	3,564
					KILLED						
Georgia	Passenger car	79	62	53	64	37	50	51	34	39	*
	Light truck – Pickup	54	43	31	37	32	31	31	33	32	*
	Light truck – Utility	**0**	**0**	**0**	**0**	16	13	22	30	23	*
	Light truck – Van	3	8	5	6	6	7	5	6	10	*
	Light truck – Other	0	1	0	0	0	0	0	2	1	*
	Light truck – Subtotal	57	52	36	43	54	51	58	71	66	*
	Car & light truck – Total	136	114	89	107	91	101	109	105	105	*
					INJURED						
Georgia	Passenger car	2,342	1,919	2,009	1,964	1,638	1,543	1,818	1,435	1,360	*
	Light truck – Pickup	1,120	872	912	869	719	798	797	721	641	*
	Light truck – Utility	**0**	**0**	**0**	**0**	227	354	492	555	576	*
	Light truck – Van	274	209	283	314	160	214	204	246	200	*
	Light truck – Other	43	53	62	38	34	41	46	49	64	*
	Light truck – Subtotal	1,437	1,134	1,257	1,221	1,140	1,407	1,539	1,571	1,481	*
	Car & light truck – Total	3,779	3,053	3,266	3,185	2,778	2,950	3,357	3,006	2,841	*

**Data not available.*

Bold numbers denote state-years where the light truck category was not used.

Rows listed as "Light-Truck – Other" are only included where applicable.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 37: Passenger Car and Light Truck Occupants Killed or Injured in Single-Vehicle Rollover Crashes

STATE	VEHICLE/TRUCK TYPE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
					KILLED						
Illinois	Passenger car	76	55	86	58	70	50	28	44	43	62
	Light truck – Pickup	30	42	38	23	21	18	4	16	18	18
	Light truck – Utility	**0**	**0**	**0**	**0**	**0**	**0**	10	24	14	29
	Light truck – Van	7	9	6	9	8	5	6	11	8	7
	Light truck – Subtotal	37	51	44	32	29	23	20	51	40	54
	Car & light truck – Total	113	106	130	90	99	73	48	95	83	116
					INJURED						
Illinois	Passenger car	2,915	2,802	2,946	2,224	1,765	1,490	1,075	2,631	2,332	2,539
	Light truck – Pickup	1,126	1,168	1,082	749	457	424	255	697	719	763
	Light truck – Utility	**0**	**0**	**0**	**0**	**0**	**0**	140	296	352	539
	Light truck – Van	376	352	394	374	307	317	254	402	389	357
	Light truck – Subtotal	1,502	1,520	1,476	1,123	764	741	649	1,395	1,460	1,659
	Car & light truck – Total	4,417	4,322	4,422	3,347	2,529	2,231	1,724	4,026	3,792	4,198
					KILLED						
Indiana	Passenger car	68	60	59	46	71	70	68	67	60	75
	Light truck – Pickup	18	31	16	24	22	25	10	16	34	28
	Light truck – Van	8	8	9	1	10	2	15	6	15	9
	Light truck – Subtotal	26	39	25	25	32	27	25	22	49	37
	Car & light truck – Total	94	99	84	71	103	97	93	89	109	112
					INJURED						
Indiana	Passenger car	2,307	2,042	1,959	1,854	2,181	2,362	2,080	2,168	1,977	2,180
	Light truck – Pickup	691	718	704	736	652	782	570	698	659	638
	Light truck – Van	222	205	238	247	233	292	311	283	248	304
	Light truck – Subtotal	913	923	942	983	885	1,074	881	981	907	942
	Car & light truck – Total	3,220	2,965	2,901	2,837	3,066	3,436	2,961	3,149	2,884	3,122
					KILLED						
Kansas	Passenger car	35	26	33	24	49	44	54	27	39	53
	Light truck	13	16	20	14	30	25	29	24	30	31
	Car & light truck – Total	48	42	53	38	79	69	83	51	69	84
					INJURED						
Kansas	Passenger car	1,226	1,161	1,081	1,068	1,276	1,253	1,430	748	722	703
	Light truck	703	745	706	710	846	687	789	475	469	412
	Car & light truck – Total	1,929	1,906	1,787	1,778	2,122	1,940	2,219	1,223	1,191	1,115

Bold numbers denote state-years where the light truck category was not used.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 37: Passenger Car and Light Truck Occupants Killed or Injured in Single-Vehicle Rollover Crashes

STATE	VEHICLE/TRUCK TYPE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
					KILLED						
Maryland	Passenger car	23	20	13	30	32	29	27	19	30	23
	Light truck – Pickup	**0**	**0**	**0**	2	6	11	6	11	4	7
	Light truck – Van	**0**	**0**	**0**	1	5	4	3	7	6	1
	Light truck – Other	14	21	9	0	3	5	11	15	9	9
	Light truck – Subtotal	14	21	9	3	14	20	20	33	19	17
	Car & light truck – Total	37	41	22	33	46	49	47	52	49	40
					INJURED						
Maryland	Passenger car	1,038	931	891	1,126	1,213	1,065	1,068	977	980	820
	Light truck – Pickup	**0**	**0**	**0**	185	267	293	296	296	236	223
	Light truck – Van	**0**	**0**	**0**	79	174	120	177	163	119	120
	Light truck – Other	590	546	477	32	164	236	314	345	316	346
	Light truck – Subtotal	590	546	477	296	605	649	787	804	671	689
	Car & light truck – Total	1,628	1,477	1,368	1,422	1,818	1,714	1,855	1,781	1,651	1,509
					KILLED						
Michigan	Passenger car	101	79	76	109	103	102	84	93	107	102
	Light truck – Pickup	31	25	18	20	18	31	35	19	31	38
	Light truck – Van	**0**	**0**	7	8	3	6	7	8	12	5
	Light truck – Other	0	0	1	0	1	2	3	6	5	2
	Light truck – Subtotal	31	25	26	28	22	39	45	33	48	45
	Car & light truck – Total	132	104	102	137	125	141	129	126	155	147
					INJURED						
Michigan	Passenger car	5,774	5,293	3,222	3,745	4,124	4,130	4,209	4,026	3,792	3,964
	Light truck – Pickup	1,718	1,502	1,037	1,059	1,293	1,314	1,365	1,313	1,152	1,245
	Light truck – Van	**0**	**0**	226	415	447	544	493	575	411	396
	Light truck – Other	32	41	50	79	91	154	158	191	145	201
	Light truck – Subtotal	1,750	1,543	1,313	1,553	1,831	2,012	2,016	2,079	1,708	1,842
	Car & light truck – Total	7,524	6,836	4,535	5,298	5,955	6,142	6,225	6,105	5,500	5,806
					KILLED						
Missouri	Passenger car	53	45	48	25	37	25	33	26	22	26
	Light truck – Pickup	**0**	**0**	**0**	25	29	29	32	26	35	33
	Light truck – Utility	**0**	**0**	**0**	9	7	13	14	14	16	18
	Light truck – Van	4	4	8	9	4	7	6	4	8	6
	Light truck – Other	36	22	23	0	0	0	0	0	0	0
	Light truck – Subtotal	40	26	31	43	40	49	52	44	59	57
	Car & light truck – Total	93	71	79	68	77	74	85	70	81	83

Bold numbers denote state-years where the light truck category was not used.

Rows listed as "Light-Truck – Other" are only included where applicable.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 37: Passenger Car and Light Truck Occupants Killed or Injured in Single-Vehicle Rollover Crashes

STATE	VEHICLE/TRUCK TYPE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
					INJURED						
Missouri	Passenger car	1,592	1,616	1,601	1,264	1,381	1,418	1,345	1,380	1,188	1,297
	Light truck – Pickup	**0**	**0**	**0**	676	728	805	780	706	719	721
	Light truck – Utility	**0**	**0**	**0**	339	301	373	441	385	473	544
	Light truck – Van	156	178	196	210	206	265	280	224	213	268
	Light truck – Other	853	706	722	0	0	0	0	0	0	0
	Light truck – Subtotal	1,009	884	918	1,225	1,235	1,443	1,501	1,315	1,405	1,533
	Car & light truck – Total	2,601	2,500	2,519	2,489	2,616	2,861	2,846	2,695	2,593	2,830
					KILLED						
New Mexico[1]	Passenger car	67	62	52	75	66	60	64	56	58	39
	Light truck – Pickup	71	60	64	70	51	72	43	41	37	52
	Light truck – Utility	12	14	7	7	12	11	15	22	37	27
	Light truck – Van	9	9	15	7	16	14	13	23	14	9
	Light truck – Subtotal	92	83	86	84	79	97	71	86	88	88
	Car & light truck – Total	159	145	138	159	145	157	135	142	146	127
					INJURED						
New Mexico	Passenger car	1,118	1,123	1,158	1,061	989	1,101	1,110	1,132	1,078	904
	Light truck – Pickup	902	956	972	958	837	951	925	1,021	803	688
	Light truck – Utility	202	203	158	111	102	129	153	184	180	342
	Light truck – Van	147	173	197	185	225	217	273	211	232	122
	Light truck – Subtotal	1,251	1,332	1,327	1,254	1,164	1,297	1,351	1,416	1,215	1,152
	Car & light truck – Total	2,369	2,455	2,485	2,315	2,153	2,398	2,461	2,548	2,293	2,056
					KILLED						
North Carolina	Passenger car	*	*	90	120	109	103	99	107	116	115
	Light truck – Pickup	*	*	40	30	23	47	42	29	38	34
	Light truck – Van	*	*	2	3	5	9	3	10	3	8
	Light truck – Other	*	*	5	12	20	10	14	14	16	18
	Light truck – Subtotal	*	*	47	45	48	66	59	53	57	60
	Car & light truck – Total	*	*	137	165	157	169	158	160	173	175
					INJURED						
North Carolina	Passenger car	*	*	4,233	4,465	4,768	4,828	4,634	4,602	4,262	4,460
	Light truck – Pickup	*	*	1,220	1,247	1,198	1,292	1,364	1,126	1,006	1,222
	Light truck – Van	*	*	187	205	213	236	318	280	282	324
	Light truck – Other	*	*	366	390	423	443	475	529	545	678
	Light truck – Subtotal	*	*	1,773	1,842	1,834	1,971	2,157	1,935	1,833	2,224
	Car & light truck – Total	*	*	6,006	6,307	6,602	6,799	6,791	6,537	6,095	6,684

**Data not available.*

Bold numbers denote state-years where the light truck category was not used.

Rows listed as "Light-Truck – Other" are only included where applicable.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

[1]New Mexico: Comparison with FARS single-vehicle rollover data indicates that the rollover totals tabulated for New Mexico 1990-1999 are overestimated by a factor of 2 to 3. Consult the Rollover query in "Supplemental Information" for further details.

Table 37: Passenger Car and Light Truck Occupants Killed or Injured in Single-Vehicle Rollover Crashes

STATE	VEHICLE/TRUCK TYPE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED					
Ohio	Passenger car	17	24	11	26	9	17	22	15	23	24
	Light truck	11	22	9	12	7	5	6	5	3	8
	Car & light truck – Total	28	46	20	38	16	22	28	20	26	32
						INJURED					
Ohio	Passenger car	1,373	1,315	1,131	1,136	1,273	1,306	1,370	1,325	1,315	1,671
	Light truck	542	548	457	467	535	587	543	483	508	599
	Car & light truck – Total	1,915	1,863	1,588	1,603	1,808	1,893	1,913	1,808	1,823	2,270
						KILLED					
Pennsylvania	Passenger car	93	61	78	53	73	67	64	73	70	70
	Light truck	44	39	37	48	39	46	52	51	50	64
	Car & light truck – Total	137	100	115	101	112	113	116	124	120	134
						INJURED					
Pennsylvania	Passenger car	2,480	2,592	2,450	2,418	2,111	2,186	2,529	2,452	2,636	2,772
	Light truck	1,152	1,304	1,301	1,454	1,584	1,423	1,943	1,745	1,676	1,990
	Car & light truck – Total	3,632	3,896	3,751	3,872	3,695	3,609	4,472	4,197	4,312	4,762
						KILLED					
Texas[2]	Passenger car	157	130	129	130	127	129	180	140	156	148
	Light truck – Pickup	167	139	148	114	135	116	155	159	174	155
	Light truck – Utility	**0**	**0**	**0**	**0**	**0**	**0**	100	94	94	106
	Light truck – Van	8	12	25	15	31	22	46	27	39	26
	Light truck – Other	49	41	45	58	51	74	2	0	0	2
	Light truck – Subtotal	224	192	218	187	217	212	303	280	307	289
	Car & light truck – Total	381	322	347	317	344	341	483	420	463	437
						INJURED					
Texas	Passenger car	5,145	4,324	4,084	4,336	4,417	4,507	5,800	5,012	4,580	4,867
	Light truck – Pickup	3,589	3,004	2,780	3,016	3,067	3,357	3,857	3,513	3,293	3,272
	Light truck – Utility	**0**	**0**	**0**	**0**	**0**	**0**	2,391	2,551	2,648	2,969
	Light truck – Van	647	675	658	785	703	916	1,064	1,074	935	872
	Light truck – Other	1,276	1,261	1,319	1,466	1,577	1,760	33	14	17	13
	Light truck – Subtotal	5,512	4,940	4,757	5,267	5,347	6,033	7,345	7,152	6,893	7,126
	Car & light truck – Total	10,657	9,264	8,841	9,603	9,764	10,540	13,145	12,164	11,473	11,993

Bold numbers denote state-years where the light truck category was not used.

Rows listed as "Light-Truck – Other" are only included where applicable.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

[2] Texas: Comparison with FARS single-vehicle rollover data indicates that the rollover totals tabulated for Texas 1990-1996 are overestimated by approximately 30-40%. Totals for Texas 1997-1999 are overestimated by approximately 60%. Consult the Rollover query in "Supplemental Information" for further details.

Table 37: Passenger Car and Light Truck Occupants Killed or Injured in Single-Vehicle Rollover Crashes

STATE	VEHICLE/TRUCK TYPE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
					KILLED						
Utah	Passenger car	17	15	13	18	18	25	18	16	17	17
	Light truck	21	25	24	29	26	35	39	20	24	41
	Car & light truck – Total	38	40	37	47	44	60	57	36	41	58
					INJURED						
Utah	Passenger car	388	328	397	449	424	582	623	616	592	617
	Light truck	439	543	633	577	685	935	1,020	977	944	1,023
	Car & light truck – Total	827	871	1,030	1,026	1,109	1,517	1,643	1,593	1,536	1,640
					KILLED						
Virginia	Passenger car	23	24	34	19	34	34	21	27	26	15
	Light truck – Pickup	12	14	7	9	10	18	9	6	28	22
	Light truck – Van	3	3	1	0	2	2	0	1	5	2
	Light truck – Subtotal	15	17	8	9	12	20	9	7	33	24
	Car & light truck – Total	38	41	42	28	46	54	30	34	59	39
					INJURED						
Virginia	Passenger car	1,218	1,385	1,423	1,329	1,404	1,359	1,258	1,405	1,413	1,194
	Light truck – Pickup	453	475	452	449	523	436	469	524	562	577
	Light truck – Van	93	109	85	97	108	138	102	105	111	100
	Light truck – Subtotal	546	584	537	546	631	574	571	629	673	677
	Car & light truck – Total	1,764	1,969	1,960	1,875	2,035	1,933	1,829	2,034	2,086	1,871
					KILLED						
Washington	Passenger car	55	45	35	47	44	47	43	*	*	*
	Light truck	35	28	32	29	29	22	41	*	*	*
	Car & light truck – Total	90	73	67	76	73	69	84	*	*	*
					INJURED						
Washington	Passenger car	1,910	1,953	1,867	1,757	1,773	1,860	1,646	*	*	*
	Light truck	1,517	1,574	1,398	1,521	1,726	1,757	1,782	*	*	*
	Car & light truck – Total	3,427	3,527	3,265	3,278	3,499	3,617	3,428	*	*	*

**Data not available.*

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Motorcycles

Crash Data Report: 1990-1999

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Table 38: Motor Vehicle Crashes Involving Motorcycles by Weekday vs. Weekend and Crash Severity

STATE	PERIOD	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						FATAL CRASHES					
California	Weekday	296	263	177	174	152	131	114	125	107	116
	Weekend	281	250	154	141	134	130	119	113	92	117
	Unknown	2	1	1	0	1	3	2	0	0	1
	Total	579	514	332	315	287	264	235	238	199	234
Florida	Weekday	122	70	82	106	86	96	89	96	87	85
	Weekend	100	109	90	93	92	91	74	85	93	87
	Unknown	1	0	1	0	0	2	0	0	0	0
	Total	223	179	173	199	178	189	163	181	180	172
Georgia	Weekday	29	30	19	27	23	26	21	26	38	*
	Weekend	32	29	35	22	31	17	24	32	29	*
	Total	61	59	54	49	54	43	45	58	67	*
Illinois	Weekday	67	57	52	54	75	42	28	37	37	47
	Weekend	77	51	53	62	69	60	31	45	56	54
	Unknown	1	0	0	0	1	0	0	0	0	0
	Total	145	108	105	116	145	102	59	82	93	101
Indiana	Weekday	36	34	39	26	37	32	30	17	33	30
	Weekend	44	43	30	27	28	32	28	28	35	37
	Unknown	0	1	0	0	0	0	0	0	0	0
	Total	80	78	69	53	65	64	58	45	68	67
Kansas	Weekday	13	16	9	13	11	9	13	8	8	8
	Weekend	18	25	14	7	10	5	7	8	8	7
	Unknown	1	3	4	1	2	0	0	1	3	1
	Total	32	44	27	21	23	14	20	17	19	16
Maryland	Weekday	21	25	26	32	13	18	13	10	17	24
	Weekend	23	27	28	24	18	11	12	17	18	21
	Total	44	52	54	56	31	29	25	27	35	45
Michigan	Weekday	47	48	18	23	38	42	28	32	30	35
	Weekend	36	35	26	30	30	38	30	33	21	48
	Unknown	0	0	0	1	0	1	0	0	0	0
	Total	83	83	44	54	68	81	58	65	51	83
Missouri	Weekday	28	26	16	17	26	14	20	18	11	15
	Weekend	20	15	29	11	13	24	16	19	16	20
	Total	48	41	45	28	39	38	36	37	27	35

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 38: Motor Vehicle Crashes Involving Motorcycles by Weekday vs. Weekend and Crash Severity

STATE	PERIOD	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
FATAL CRASHES (Continued)											
New Mexico	Weekday	28	23	11	13	14	17	11	10	9	13
	Weekend	16	16	19	16	8	16	16	13	10	13
	Total	44	39	30	29	22	33	27	23	19	26
North Carolina	Weekday	*	*	36	45	31	42	38	35	41	48
	Weekend	*	*	32	45	32	35	32	26	45	57
	Unknown	*	*	0	0	0	0	0	1	0	0
	Total	*	*	68	90	63	77	70	62	86	105
Ohio	Weekday	92	76	53	59	52	56	60	39	54	62
	Weekend	71	85	59	69	52	53	60	63	61	56
	Total	163	161	112	128	104	109	120	102	115	118
Pennsylvania	Weekday	56	48	42	51	50	49	46	42	46	48
	Weekend	49	57	46	59	61	39	52	50	61	61
	Total	105	105	88	110	111	88	98	92	107	109
Texas	Weekday	91	71	67	84	59	66	57	56	67	83
	Weekend	101	62	72	67	63	58	56	61	83	96
	Total	192	133	139	151	122	124	113	117	150	179
Utah	Weekday	13	12	8	8	11	5	12	13	7	10
	Weekend	6	11	10	9	14	6	9	10	7	14
	Total	19	23	18	17	25	11	21	23	14	24
Virginia	Weekday	26	17	18	17	12	17	19	19	20	22
	Weekend	30	26	21	16	18	16	18	19	17	19
	Unknown	0	0	0	0	0	0	0	1	0	0
	Total	56	43	39	33	30	33	37	39	37	41
Washington	Weekday	30	21	26	20	19	17	18	*	*	*
	Weekend	31	20	22	19	15	19	20	*	*	*
	Total	61	41	48	39	34	36	38	*	*	*

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 38: Motor Vehicle Crashes Involving Motorcycles by Weekday vs. Weekend and Crash Severity

STATE	PERIOD	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURY CRASHES					
California	Weekday	10,873	9,693	7,429	6,606	5,939	5,128	4,506	4,395	3,667	3,971
	Weekend	5,997	5,676	4,074	3,722	3,341	3,008	2,873	2,553	2,300	2,547
	Unknown	9	8	6	7	5	4	1	2	0	1
	Total	16,879	15,377	11,509	10,335	9,285	8,140	7,380	6,950	5,967	6,519
Florida	Weekday	3,901	3,466	3,196	3,082	2,984	2,814	2,729	2,654	2,457	2,607
	Weekend	2,377	2,119	2,028	2,008	1,933	1,861	1,887	1,786	1,870	1,844
	Unknown	7	6	6	4	7	9	8	6	4	11
	Total	6,285	5,591	5,230	5,094	4,924	4,684	4,624	4,446	4,331	4,462
Georgia	Weekday	879	742	730	726	694	659	679	625	666	*
	Weekend	547	505	465	497	439	549	517	542	547	*
	Total	1,426	1,247	1,195	1,223	1,133	1,208	1,196	1,167	1,213	*
Illinois	Weekday	1,861	1,916	1,573	1,490	1,342	1,131	448	1,106	925	1,011
	Weekend	1,324	1,303	1,346	1,184	1,073	1,058	392	869	899	910
	Unknown	1	0	3	3	4	5	0	3	3	6
	Total	3,186	3,219	2,922	2,677	2,419	2,194	840	1,978	1,827	1,927
Indiana	Weekday	1,358	1,321	1,113	1,072	1,180	1,045	909	865	891	1,017
	Weekend	938	877	768	803	839	816	606	662	755	718
	Unknown	1	4	4	4	7	7	4	9	9	9
	Total	2,297	2,202	1,885	1,879	2,026	1,868	1,519	1,536	1,655	1,744
Kansas	Weekday	474	506	369	343	360	293	310	270	226	270
	Weekend	402	377	334	288	239	245	240	215	216	241
	Unknown	83	83	75	56	48	52	42	59	60	44
	Total	959	966	778	687	647	590	592	544	502	555
Maryland	Weekday	812	811	694	1,000	587	387	401	413	389	443
	Weekend	624	683	492	521	366	356	352	327	388	392
	Unknown	4	5	2	0	0	112	0	0	0	0
	Total	1,440	1,499	1,188	1,521	953	855	753	740	777	835
Michigan	Weekday	1,833	1,670	1,076	1,374	1,397	1,254	1,186	1,103	1,277	1,189
	Weekend	1,106	1,043	804	1,077	1,116	960	894	861	1,059	1,055
	Unknown	1	0	49	3	3	4	2	1	9	3
	Total	2,940	2,713	1,929	2,454	2,516	2,218	2,082	1,965	2,345	2,247
Missouri	Weekday	802	741	672	587	587	497	560	565	484	555
	Weekend	549	479	477	417	460	420	340	390	372	459
	Unknown	1	0	2	1	3	1	1	3	2	1
	Total	1,352	1,220	1,151	1,005	1,050	918	901	958	858	1,015

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 38: Motor Vehicle Crashes Involving Motorcycles by Weekday vs. Weekend and Crash Severity

STATE	PERIOD	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
					INJURY CRASHES (Continued)						
New Mexico	Weekday	557	520	553	547	530	512	406	413	330	280
	Weekend	334	347	340	335	312	288	284	224	256	210
	Unknown	4	2	3	0	0	1	0	1	0	0
	Total	895	869	896	882	842	801	690	638	586	490
North Carolina	Weekday	*	*	1,072	1,163	1,114	1,097	1,077	1,046	1,186	1,152
	Weekend	*	*	764	915	881	863	858	885	950	1,062
	Unknown	*	*	3	1	1	3	4	0	1	0
	Total	*	*	1,839	2,079	1,996	1,963	1,939	1,931	2,137	2,214
Ohio	Weekday	2,395	2,214	1,832	1,897	1,737	1,585	1,333	1,319	1,438	1,492
	Weekend	1,659	1,654	1,380	1,432	1,424	1,265	1,151	1,209	1,309	1,441
	Unknown	9	2	4	5	3	7	3	3	6	6
	Total	4,063	3,870	3,216	3,334	3,164	2,857	2,487	2,531	2,753	2,939
Pennsylvania	Weekday	1,873	1,824	1,459	1,404	1,275	1,310	1,079	1,189	1,205	1,299
	Weekend	1,271	1,289	963	1,126	1,098	990	1,022	1,018	1,178	1,146
	Unknown	3	4	5	5	2	5	4	4	2	1
	Total	3,147	3,117	2,427	2,535	2,375	2,305	2,105	2,211	2,385	2,446
Texas	Weekday	3,089	2,692	2,476	2,215	2,066	1,975	1,950	1,702	1,927	2,104
	Weekend	2,127	1,788	1,599	1,390	1,346	1,386	1,373	1,328	1,416	1,673
	Total	5,216	4,480	4,075	3,605	3,412	3,361	3,323	3,030	3,343	3,777
Utah	Weekday	498	441	484	403	406	376	398	375	322	360
	Weekend	296	212	294	227	226	239	228	214	187	242
	Unknown	0	1	2	0	0	1	0	0	0	0
	Total	794	654	780	630	632	616	626	589	509	602
Virginia	Weekday	1,019	833	754	711	672	695	614	638	659	673
	Weekend	640	610	512	523	541	464	472	443	531	572
	Unknown	3	3	4	1	2	1	0	1	0	2
	Total	1,662	1,446	1,270	1,235	1,215	1,160	1,086	1,082	1,190	1,247
Washington	Weekday	1,153	1,135	1,082	964	914	926	784	*	*	*
	Weekend	800	707	741	582	623	643	524	*	*	*
	Unknown	0	0	0	0	3	1	0	*	*	*
	Total	1,953	1,842	1,823	1,546	1,540	1,570	1,308	*	*	*

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 38: Motor Vehicle Crashes Involving Motorcycles by Weekday vs. Weekend and Crash Severity

STATE	PERIOD	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
PROPERTY DAMAGE ONLY CRASHES											
California	Weekday	1,968	1,683	1,235	1,206	1,080	953	927	899	803	847
	Weekend	952	823	627	569	498	468	435	414	410	477
	Unknown	6	5	5	1	2	2	0	0	3	4
	Total	2,926	2,511	1,867	1,776	1,580	1,423	1,362	1,313	1,216	1,328
Florida	Weekday	298	235	251	210	221	258	265	331	265	264
	Weekend	238	181	183	171	178	171	184	196	192	213
	Unknown	3	7	5	0	2	3	5	7	3	3
	Total	539	423	439	381	401	432	454	534	460	480
Georgia	Weekday	350	332	278	292	240	259	247	215	223	*
	Weekend	198	173	161	155	141	143	167	125	156	*
	Total	548	505	439	447	381	402	414	340	379	*
Illinois	Weekday	800	804	561	632	450	395	240	768	767	693
	Weekend	451	445	432	394	310	268	123	453	454	397
	Unknown	8	9	5	7	2	1	1	4	7	2
	Total	1,259	1,258	998	1,033	762	664	364	1,225	1,228	1,092
Indiana	Weekday	368	355	283	274	267	284	221	274	281	310
	Weekend	186	194	193	183	197	171	172	155	193	199
	Unknown	0	3	2	4	2	1	3	6	2	0
	Total	554	552	478	461	466	456	396	435	476	509
Kansas	Weekday	100	64	75	49	54	65	48	40	58	49
	Weekend	65	42	53	45	45	38	36	37	46	40
	Unknown	22	13	14	10	8	10	10	5	10	6
	Total	187	119	142	104	107	113	94	82	114	95
Maryland	Weekday	182	155	146	732	135	88	102	121	103	145
	Weekend	127	118	96	355	71	65	76	83	101	137
	Unknown	5	8	4	0	0	25	0	0	0	0
	Total	314	281	246	1,087	206	178	178	204	204	282
Michigan	Weekday	458	404	320	347	430	367	354	378	422	412
	Weekend	254	220	176	230	271	263	228	255	315	302
	Unknown	1	0	15	3	4	4	1	3	3	4
	Total	713	624	511	580	705	634	583	636	740	718
Missouri	Weekday	230	207	191	177	190	165	218	337	196	253
	Weekend	127	109	135	91	115	108	116	174	136	148
	Unknown	1	4	1	6	4	2	3	9	5	2
	Total	358	320	327	274	309	275	337	520	337	403

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 38: Motor Vehicle Crashes Involving Motorcycles by Weekday vs. Weekend and Crash Severity

STATE	PERIOD	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
PROPERTY DAMAGE ONLY CRASHES (Continued)											
New Mexico	Weekday	134	108	105	92	76	84	85	64	69	60
	Weekend	70	68	54	58	56	48	60	33	48	41
	Unknown	2	0	0	0	0	0	0	0	0	0
	Total	206	176	159	150	132	132	145	97	117	101
North Carolina	Weekday	*	*	127	162	229	186	144	189	164	187
	Weekend	*	*	111	121	129	139	106	132	141	150
	Unknown	*	*	2	0	2	1	1	1	1	1
	Total	*	*	240	283	360	326	251	322	306	338
Ohio	Weekday	441	421	379	355	365	326	323	311	331	357
	Weekend	303	264	251	209	228	213	202	239	238	264
	Unknown	5	1	2	5	2	2	0	2	0	1
	Total	749	686	632	569	595	541	525	552	569	622
Pennsylvania	Weekday	70	91	77	61	68	62	83	56	72	71
	Weekend	47	43	60	52	59	46	58	66	70	62
	Unknown	0	0	0	1	0	0	1	1	0	0
	Total	117	134	137	114	127	108	142	123	142	133
Texas	Weekday	302	227	219	187	204	127	68	62	78	87
	Weekend	182	112	128	107	120	68	49	50	73	70
	Total	484	339	347	294	324	195	117	112	151	157
Utah	Weekday	90	36	74	89	63	71	47	51	43	32
	Weekend	40	29	28	31	47	20	19	24	23	20
	Unknown	1	0	0	0	0	0	0	0	0	0
	Total	131	65	102	120	110	91	66	75	66	52
Virginia	Weekday	197	168	151	104	112	125	119	156	173	178
	Weekend	74	84	72	69	79	63	67	81	84	93
	Unknown	0	1	1	0	1	1	0	0	0	0
	Total	271	253	224	173	192	189	186	237	257	271
Washington	Weekday	177	178	169	151	156	181	145	*	*	*
	Weekend	99	85	91	65	90	76	75	*	*	*
	Total	276	263	260	216	246	257	220	*	*	*

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 39: Motor Vehicle Crashes Involving Motorcycles by Time of Day and Crash Severity

STATE	PERIOD	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						FATAL CRASHES					
California	Day	237	229	163	156	139	119	116	125	106	131
	Night	337	282	163	153	143	136	116	109	92	101
	Unknown	5	3	6	6	5	9	3	4	1	2
	Total	579	514	332	315	287	264	235	238	199	234
Florida	Day	81	63	61	73	62	77	64	69	76	77
	Night	141	114	111	125	115	110	98	111	103	94
	Unknown	1	2	1	1	1	2	1	1	1	1
	Total	223	179	173	199	178	189	163	181	180	172
Georgia	Day	25	23	21	20	26	25	25	23	48	*
	Night	36	36	33	29	28	18	20	35	19	*
	Total	61	59	54	49	54	43	45	58	67	*
Illinois	Day	58	36	40	59	76	37	19	31	33	48
	Night	85	72	65	56	68	65	40	51	59	53
	Unknown	2	0	0	1	1	0	0	0	1	0
	Total	145	108	105	116	145	102	59	82	93	101
Indiana	Day	36	26	24	20	30	27	25	22	34	37
	Night	44	51	45	33	33	34	33	22	31	30
	Unknown	0	1	0	0	2	3	0	1	3	0
	Total	80	78	69	53	65	64	58	45	68	67
Kansas	Day	7	13	11	14	14	3	10	8	8	8
	Night	25	31	14	7	9	11	9	9	11	8
	Unknown	0	0	2	0	0	0	1	0	0	0
	Total	32	44	27	21	23	14	20	17	19	16
Maryland	Day	14	19	18	24	11	13	12	12	19	23
	Night	29	33	36	32	20	16	13	15	16	22
	Unknown	1	0	0	0	0	0	0	0	0	0
	Total	44	52	54	56	31	29	25	27	35	45
Michigan	Day	27	24	13	18	26	42	23	31	18	23
	Night	56	58	30	33	41	38	34	34	33	60
	Unknown	0	1	1	3	1	1	1	0	0	0
	Total	83	83	44	54	68	81	58	65	51	83
Missouri	Day	20	19	26	14	19	18	12	23	15	24
	Night	27	20	19	13	20	19	24	14	12	11
	Unknown	1	2	0	1	0	1	0	0	0	0
	Total	48	41	45	28	39	38	36	37	27	35

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 39: Motor Vehicle Crashes Involving Motorcycles by Time of Day and Crash Severity

STATE	PERIOD	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
FATAL CRASHES (Continued)											
New Mexico	Day	21	20	13	13	12	14	15	7	8	13
	Night	22	19	16	16	10	19	12	16	11	13
	Unknown	1	0	1	0	0	0	0	0	0	0
	Total	44	39	30	29	22	33	27	23	19	26
North Carolina	Day	*	*	29	37	26	31	33	29	45	49
	Night	*	*	39	53	36	46	36	32	40	56
	Unknown	*	*	0	0	1	0	1	1	1	0
	Total	*	*	68	90	63	77	70	62	86	105
Ohio	Day	50	56	40	61	48	38	45	45	51	58
	Night	113	105	71	67	56	71	75	57	63	60
	Unknown	0	0	1	0	0	0	0	0	1	0
	Total	163	161	112	128	104	109	120	102	115	118
Pennsylvania	Day	41	40	36	43	45	37	46	39	45	46
	Night	64	65	52	67	66	51	52	53	61	63
	Unknown	0	0	0	0	0	0	0	0	1	0
	Total	105	105	88	110	111	88	98	92	107	109
Texas	Day	52	43	48	65	46	52	40	49	63	70
	Night	140	90	91	86	76	72	73	68	87	109
	Total	192	133	139	151	122	124	113	117	150	179
Utah	Day	10	13	6	6	9	4	12	8	6	10
	Night	9	10	11	11	16	7	9	15	8	14
	Unknown	0	0	1	0	0	0	0	0	0	0
	Total	19	23	18	17	25	11	21	23	14	24
Virginia	Day	20	17	18	19	14	16	13	20	17	25
	Night	36	26	21	14	16	17	24	18	19	16
	Unknown	0	0	0	0	0	0	0	1	1	0
	Total	56	43	39	33	30	33	37	39	37	41
Washington	Day	29	14	17	15	14	20	18	*	*	*
	Night	32	27	31	24	20	16	20	*	*	*
	Total	61	41	48	39	34	36	38	*	*	*

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 39: Motor Vehicle Crashes Involving Motorcycles by Time of Day and Crash Severity

STATE	PERIOD	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURY CRASHES					
California	Day	10,379	9,685	7,531	6,752	6,185	5,376	4,969	4,772	4,127	4,627
	Night	6,457	5,656	3,947	3,566	3,088	2,752	2,403	2,169	1,834	1,888
	Unknown	43	36	31	17	12	12	8	9	6	4
	Total	16,879	15,377	11,509	10,335	9,285	8,140	7,380	6,950	5,967	6,519
Florida	Day	3,452	3,121	2,921	2,925	2,799	2,693	2,688	2,547	2,623	2,673
	Night	2,816	2,456	2,288	2,142	2,092	1,970	1,905	1,878	1,692	1,764
	Unknown	17	14	21	27	33	21	31	21	16	25
	Total	6,285	5,591	5,230	5,094	4,924	4,684	4,624	4,446	4,331	4,462
Georgia	Day	830	717	722	719	692	719	729	712	737	*
	Night	596	530	473	504	441	489	467	455	476	*
	Total	1,426	1,247	1,195	1,223	1,133	1,208	1,196	1,167	1,213	*
Illinois	Day	1,722	1,700	1,582	1,439	1,376	1,253	491	1,156	1,106	1,122
	Night	1,453	1,507	1,323	1,217	1,030	923	344	812	712	791
	Unknown	11	12	17	21	13	18	5	10	9	14
	Total	3,186	3,219	2,922	2,677	2,419	2,194	840	1,978	1,827	1,927
Indiana	Day	1,252	1,181	1,103	1,108	1,191	1,083	886	918	997	1,054
	Night	1,025	999	765	752	817	761	611	595	629	656
	Unknown	20	22	17	19	18	24	22	23	29	34
	Total	2,297	2,202	1,885	1,879	2,026	1,868	1,519	1,536	1,655	1,744
Kansas	Day	509	530	434	364	343	365	332	301	303	315
	Night	450	436	341	320	301	225	258	243	199	240
	Unknown	0	0	3	3	3	0	2	0	0	0
	Total	959	966	778	687	647	590	592	544	502	555
Maryland	Day	725	796	671	924	519	477	443	450	420	482
	Night	711	696	511	597	434	378	310	290	357	353
	Unknown	4	7	6	0	0	0	0	0	0	0
	Total	1,440	1,499	1,188	1,521	953	855	753	740	777	835
Michigan	Day	1,513	1,432	1,018	1,298	1,312	1,169	1,100	1,056	1,267	1,227
	Night	1,423	1,280	888	1,141	1,193	1,028	962	900	1,055	1,008
	Unknown	4	1	23	15	11	21	20	9	23	12
	Total	2,940	2,713	1,929	2,454	2,516	2,218	2,082	1,965	2,345	2,247
Missouri	Day	769	681	695	576	626	561	573	592	548	670
	Night	577	534	449	427	416	355	322	361	306	342
	Unknown	6	5	7	2	8	2	6	5	4	3
	Total	1,352	1,220	1,151	1,005	1,050	918	901	958	858	1,015

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 39: Motor Vehicle Crashes Involving Motorcycles by Time of Day and Crash Severity

STATE	PERIOD	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
					INJURY CRASHES (Continued)						
New Mexico	Day	523	516	531	589	540	508	450	435	374	322
	Night	356	339	350	287	302	291	239	200	212	168
	Unknown	16	14	15	6	0	2	1	3	0	0
	Total	895	869	896	882	842	801	690	638	586	490
North Carolina	Day	*	*	1,095	1,217	1,209	1,179	1,173	1,199	1,280	1,348
	Night	*	*	734	854	774	776	756	726	850	860
	Unknown	*	*	10	8	13	8	10	6	7	6
	Total	*	*	1,839	2,079	1,996	1,963	1,939	1,931	2,137	2,214
Ohio	Day	2,053	1,975	1,705	1,768	1,718	1,538	1,334	1,380	1,549	1,610
	Night	1,978	1,880	1,494	1,551	1,434	1,300	1,143	1,143	1,187	1,314
	Unknown	32	15	17	15	12	19	10	8	17	15
	Total	4,063	3,870	3,216	3,334	3,164	2,857	2,487	2,531	2,753	2,939
Pennsylvania	Day	1,645	1,691	1,354	1,416	1,303	1,367	1,195	1,288	1,435	1,435
	Night	1,490	1,409	1,060	1,107	1,056	926	897	913	934	1,002
	Unknown	12	17	13	12	16	12	13	10	16	9
	Total	3,147	3,117	2,427	2,535	2,375	2,305	2,105	2,211	2,385	2,446
Texas	Day	2,761	2,370	2,219	2,073	1,921	1,890	1,944	1,764	1,903	2,136
	Night	2,455	2,110	1,856	1,532	1,491	1,471	1,379	1,266	1,440	1,641
	Total	5,216	4,480	4,075	3,605	3,412	3,361	3,323	3,030	3,343	3,777
Utah	Day	460	376	442	361	363	388	380	369	313	362
	Night	331	278	333	267	269	226	246	220	196	240
	Unknown	3	0	5	2	0	2	0	0	0	0
	Total	794	654	780	630	632	616	626	589	509	602
Virginia	Day	916	792	745	725	725	721	724	693	758	820
	Night	739	647	520	507	484	434	361	387	431	420
	Unknown	7	7	5	3	6	5	1	2	1	7
	Total	1,662	1,446	1,270	1,235	1,215	1,160	1,086	1,082	1,190	1,247
Washington	Day	1,085	1,039	1,031	942	939	981	790	*	*	*
	Night	867	802	792	604	598	586	518	*	*	*
	Unknown	1	1	0	0	3	3	0	*	*	*
	Total	1,953	1,842	1,823	1,546	1,540	1,570	1,308	*	*	*

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 39: Motor Vehicle Crashes Involving Motorcycles by Time of Day and Crash Severity

STATE	PERIOD	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
PROPERTY DAMAGE ONLY CRASHES											
California	Day	1,853	1,572	1,193	1,183	1,046	931	926	905	864	905
	Night	1,054	918	658	586	528	486	430	403	345	412
	Unknown	19	21	16	7	6	6	6	5	7	11
	Total	2,926	2,511	1,867	1,776	1,580	1,423	1,362	1,313	1,216	1,328
Florida	Day	241	181	220	170	176	203	237	258	241	241
	Night	279	232	206	199	214	217	202	257	214	226
	Unknown	19	10	13	12	11	12	15	19	5	13
	Total	539	423	439	381	401	432	454	534	460	480
Georgia	Day	350	307	295	278	258	261	260	225	251	*
	Night	198	198	144	169	123	141	154	115	128	*
	Total	548	505	439	447	381	402	414	340	379	*
Illinois	Day	689	702	568	589	469	400	252	792	795	700
	Night	539	521	414	422	281	258	109	419	413	383
	Unknown	31	35	16	22	12	6	3	14	20	9
	Total	1,259	1,258	998	1,033	762	664	364	1,225	1,228	1,092
Indiana	Day	321	313	288	270	274	258	223	254	275	335
	Night	226	228	184	181	185	185	164	166	193	169
	Unknown	7	11	6	10	7	13	9	15	8	5
	Total	554	552	478	461	466	456	396	435	476	509
Kansas	Day	114	68	74	54	65	71	63	42	73	56
	Night	73	51	66	49	41	42	31	40	41	39
	Unknown	0	0	2	1	1	0	0	0	0	0
	Total	187	119	142	104	107	113	94	82	114	95
Maryland	Day	159	150	124	694	123	86	101	123	111	150
	Night	143	120	113	393	83	92	77	81	93	132
	Unknown	12	11	9	0	0	0	0	0	0	0
	Total	314	281	246	1,087	206	178	178	204	204	282
Michigan	Day	384	361	276	305	391	355	322	356	412	381
	Night	326	262	218	264	307	269	257	274	318	326
	Unknown	3	1	17	11	7	10	4	6	10	11
	Total	713	624	511	580	705	634	583	636	740	718
Missouri	Day	215	178	194	148	190	177	209	317	220	253
	Night	140	136	127	116	113	93	122	181	108	143
	Unknown	3	6	6	10	6	5	6	22	9	7
	Total	358	320	327	274	309	275	337	520	337	403

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 39: Motor Vehicle Crashes Involving Motorcycles by Time of Day and Crash Severity

STATE	PERIOD	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
PROPERTY DAMAGE ONLY CRASHES (Continued)											
New Mexico	Day	130	109	99	103	78	93	97	71	81	61
	Night	70	63	59	46	52	39	48	26	36	39
	Unknown	6	4	1	1	2	0	0	0	0	1
	Total	206	176	159	150	132	132	145	97	117	101
North Carolina	Day	*	*	144	175	227	189	158	196	182	210
	Night	*	*	89	105	130	134	89	124	123	125
	Unknown	*	*	7	3	3	3	4	2	1	3
	Total	*	*	240	283	360	326	251	322	306	338
Ohio	Day	415	371	363	309	350	308	310	341	333	373
	Night	323	310	265	251	241	229	214	207	235	245
	Unknown	11	5	4	9	4	4	1	4	1	4
	Total	749	686	632	569	595	541	525	552	569	622
Pennsylvania	Day	64	75	72	54	76	54	84	67	74	74
	Night	52	56	64	57	50	54	55	55	66	58
	Unknown	1	3	1	3	1	0	3	1	2	1
	Total	117	134	137	114	127	108	142	123	142	133
Texas	Day	279	186	206	162	189	108	67	58	78	81
	Night	205	153	141	132	135	87	50	54	73	76
	Total	484	339	347	294	324	195	117	112	151	157
Utah	Day	88	35	70	77	60	65	37	50	46	38
	Night	43	30	32	43	50	26	29	25	20	14
	Total	131	65	102	120	110	91	66	75	66	52
Virginia	Day	183	160	156	119	123	125	120	163	183	182
	Night	87	91	66	54	68	63	63	73	74	89
	Unknown	1	2	2	0	1	1	3	1	0	0
	Total	271	253	224	173	192	189	186	237	257	271
Washington	Day	167	148	179	138	150	176	131	*	*	*
	Night	109	115	81	78	96	81	88	*	*	*
	Unknown	0	0	0	0	0	0	1	*	*	*
	Total	276	263	260	216	246	257	220	*	*	*

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 40: Motorcycles Involved in Traffic Crashes by Crash Severity

State	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
FATAL CRASHES										
California	592	523	346	325	297	271	244	254	209	245
Florida	225	186	177	208	184	198	170	199	189	182
Georgia	63	62	56	49	56	43	46	59	67	*
Illinois	150	115	109	121	148	104	60	82	98	103
Indiana	82	81	71	53	67	68	59	46	70	67
Kansas	33	45	27	22	23	15	20	18	19	16
Maryland	44	53	55	57	34	29	25	28	35	46
Michigan	88	86	44	56	72	83	62	66	54	86
Missouri	48	41	46	28	40	38	37	38	27	35
New Mexico	44	40	30	31	22	34	29	23	20	27
North Carolina	*	*	70	93	63	78	71	65	90	107
Ohio	165	167	113	130	107	110	124	105	124	125
Pennsylvania	110	106	89	113	116	90	99	96	115	113
Texas	201	134	143	152	124	127	114	118	153	182
Utah	19	24	20	17	26	11	22	23	15	26
Virginia	56	44	39	33	30	34	38	40	37	43
Washington	62	42	48	43	34	36	39	*	*	*
INJURY CRASHES										
California	17,085	15,584	11,667	10,467	9,402	8,268	7,470	7,037	6,078	6,635
Florida	6,380	5,686	5,306	5,195	5,023	4,789	4,722	4,596	4,442	4,566
Georgia	1,446	1,266	1,208	1,241	1,151	1,230	1,218	1,187	1,234	*
Illinois	3,246	3,296	2,979	2,744	2,474	2,252	867	2,022	1,882	1,983
Indiana	2,347	2,252	1,930	1,908	2,062	1,902	1,552	1,573	1,689	1,777
Kansas	979	985	789	698	656	600	599	552	512	569
Maryland	1,475	1,538	1,213	1,681	968	873	766	752	797	860
Michigan	2,971	2,755	1,954	2,497	2,570	2,260	2,111	2,002	2,400	2,275
Missouri	1,374	1,239	1,169	1,016	1,071	928	917	970	876	1,036
New Mexico	906	881	908	896	857	812	705	642	605	504
North Carolina	*	*	1,861	2,111	2,035	2,000	1,981	1,969	2,183	2,265
Ohio	4,140	3,940	3,273	3,383	3,236	2,915	2,539	2,587	2,817	3,023
Pennsylvania	3,190	3,161	2,453	2,567	2,407	2,343	2,131	2,260	2,430	2,484
Texas	5,263	4,519	4,110	3,645	3,465	3,398	3,352	3,081	3,390	3,825
Utah	802	666	793	640	647	630	638	594	517	614
Virginia	1,687	1,476	1,287	1,256	1,245	1,178	1,112	1,113	1,211	1,279
Washington	1,981	1,876	1,849	1,579	1,570	1,592	1,324	*	*	*

** Data not available.*

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 40: Motorcycles Involved in Traffic Crashes by Crash Severity

State	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
PROPERTY DAMAGE ONLY CRASHES										
California	2,955	2,529	1,912	1,796	1,592	1,441	1,392	1,339	1,232	1,339
Florida	544	439	454	390	408	441	462	543	467	497
Georgia	552	509	441	453	383	407	422	345	384	*
Illinois	1,275	1,270	1,017	1,101	782	684	385	1,310	1,442	1,181
Indiana	564	561	489	467	473	462	402	445	484	520
Kansas	194	121	144	105	107	114	96	82	115	95
Maryland	319	288	256	1,252	209	178	181	204	204	285
Michigan	718	627	525	593	719	649	591	643	748	725
Missouri	362	321	331	276	318	277	339	525	341	406
New Mexico	206	179	159	150	133	134	147	97	120	101
North Carolina	*	*	243	290	365	330	254	328	316	353
Ohio	759	691	638	573	598	546	529	558	576	635
Pennsylvania	119	138	138	114	128	109	142	125	145	134
Texas	487	342	347	296	324	195	117	112	151	157
Utah	135	67	103	122	111	94	66	77	69	53
Virginia	272	254	228	174	194	193	188	239	262	274
Washington	281	268	271	219	250	264	223	*	*	*
ALL CRASHES										
California	20,632	18,636	13,925	12,588	11,291	9,980	9,106	8,630	7,519	8,219
Florida	7,149	6,311	5,937	5,793	5,615	5,428	5,354	5,338	5,098	5,245
Georgia	2,061	1,837	1,705	1,743	1,590	1,680	1,686	1,591	1,685	*
Illinois	4,671	4,681	4,105	3,966	3,404	3,040	1,312	3,414	3,422	3,267
Indiana	2,993	2,894	2,490	2,428	2,602	2,432	2,013	2,064	2,243	2,364
Kansas	1,206	1,151	960	825	786	729	715	652	646	680
Maryland	1,838	1,879	1,524	2,990	1,211	1,080	972	984	1,036	1,191
Michigan	3,777	3,468	2,523	3,146	3,361	2,992	2,764	2,711	3,202	3,086
Missouri	1,784	1,601	1,546	1,320	1,429	1,243	1,293	1,533	1,244	1,477
New Mexico	1,156	1,100	1,097	1,077	1,012	980	881	762	745	632
North Carolina	*	*	2,174	2,494	2,463	2,408	2,306	2,362	2,589	2,725
Ohio	5,064	4,798	4,024	4,086	3,941	3,571	3,192	3,250	3,517	3,783
Pennsylvania	3,419	3,405	2,680	2,794	2,651	2,542	2,372	2,481	2,690	2,731
Texas	5,951	4,995	4,600	4,093	3,913	3,720	3,583	3,311	3,694	4,164
Utah	956	757	916	779	784	735	726	694	601	693
Virginia	2,015	1,774	1,554	1,463	1,469	1,405	1,338	1,392	1,510	1,596
Washington	2,324	2,186	2,168	1,841	1,854	1,892	1,586	*	*	*

** Data not available.*

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 41: Motorcycle Riders Killed or Injured in Motor Vehicle Crashes

STATE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
KILLED										
California	569	512	327	303	291	261	232	235	200	230
Florida	218	172	180	204	174	185	161	178	179	173
Georgia	62	63	54	51	55	44	47	56	66	*
Illinois	150	109	104	115	148	101	63	84	99	103
Indiana	80	81	70	53	65	65	63	47	68	67
Kansas	34	49	28	20	21	14	19	17	19	15
Maryland	45	52	56	52	30	29	26	28	34	45
Michigan	85	86	46	58	69	83	60	63	55	82
Missouri	49	40	45	29	42	40	36	37	29	37
New Mexico	48	39	33	31	22	33	27	26	21	27
North Carolina	*	*	67	89	62	77	72	63	83	104
Ohio	163	166	113	133	107	111	121	108	116	122
Pennsylvania	109	109	90	113	112	85	98	92	111	111
Texas	197	136	134	157	126	129	115	118	152	182
Utah	19	24	17	17	25	11	21	22	14	23
Virginia	58	41	40	32	30	36	38	38	40	40
Washington	61	43	48	39	35	37	42	*	*	*
INJURED										
California	18,578	16,910	12,324	11,043	9,938	8,690	7,861	7,416	6,330	6,933
Florida	6,942	6,208	5,763	5,609	5,438	5,159	5,096	4,914	4,747	4,865
Georgia	1,503	1,311	1,285	1,273	1,229	1,299	1,285	1,266	1,314	*
Illinois	3,569	3,629	3,228	3,054	2,714	2,471	927	2,160	2,019	2,145
Indiana	2,532	2,479	2,049	2,092	2,229	2,038	1,691	1,711	1,821	1,931
Kansas	1,097	1,109	879	787	742	671	671	599	563	633
Maryland	1,642	1,671	1,325	1,630	1,049	938	805	802	838	914
Michigan	3,238	2,993	2,001	2,674	2,694	2,387	2,244	2,139	2,486	2,405
Missouri	1,516	1,372	1,280	1,130	1,190	1,018	1,009	1,039	982	1,136
New Mexico	1,029	1,005	1,021	1,018	954	905	786	712	675	570
North Carolina	*	*	2,034	2,252	2,175	2,149	2,090	2,102	2,324	2,404
Ohio	4,656	4,448	3,646	3,779	3,609	3,215	2,811	2,905	3,133	3,333
Pennsylvania	3,497	3,470	2,676	2,811	2,626	2,583	2,320	2,481	2,631	2,676
Texas	5,864	5,001	4,536	4,008	3,791	3,718	3,640	3,367	3,734	4,209
Utah	898	751	899	721	720	679	698	651	582	674
Virginia	1,794	1,566	1,357	1,336	1,327	1,237	1,195	1,145	1,263	1,324
Washington	2,180	2,028	2,034	1,718	1,700	1,738	1,436	*	*	*

**Data not available.*

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Large Trucks

Crash Data Report: 1990-1999

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Table 42: Motor Vehicle Crashes Involving Large Trucks by Weekday vs. Weekend and Crash Severity

STATE	PERIOD	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						FATAL CRASHES					
California	Weekday	367	287	278	277	270	298	281	272	252	254
	Weekend	113	113	104	91	106	87	92	90	91	80
	Unknown	0	0	0	1	0	1	0	2	0	0
	Total	480	400	382	369	376	386	373	364	343	334
Florida	Weekday	237	185	214	236	254	237	234	223	275	264
	Weekend	71	72	67	83	71	74	77	82	72	82
	Unknown	1	0	0	0	1	0	0	1	0	1
	Total	309	257	281	319	326	311	311	306	347	347
Georgia	Weekday	180	130	144	144	153	139	172	157	153	*
	Weekend	80	43	39	52	29	31	24	39	22	*
	Total	260	173	183	196	182	170	196	196	175	*
Illinois	Weekday	166	130	135	127	128	128	98	138	129	160
	Weekend	46	38	19	26	38	40	24	32	44	37
	Total	212	168	154	153	166	168	122	170	173	197
Indiana	Weekday	126	116	105	125	127	128	125	122	145	148
	Weekend	38	35	30	21	19	33	27	44	28	34
	Unknown	0	0	0	1	0	0	0	0	0	0
	Total	164	151	135	147	146	161	152	166	173	182
Kansas	Weekday	36	31	34	46	29	37	44	56	41	49
	Weekend	13	9	14	13	14	14	16	9	24	20
	Unknown	17	4	3	6	5	9	2	11	9	4
	Total	66	44	51	65	48	60	62	76	74	73
Maryland	Weekday	66	54	59	86	73	52	64	68	58	51
	Weekend	22	20	17	41	42	16	15	16	7	9
	Unknown	0	0	0	0	0	3	0	0	0	0
	Total	88	74	76	127	115	71	79	84	65	60
Michigan	Weekday	113	100	80	87	134	137	119	111	119	115
	Weekend	31	37	22	24	30	17	22	28	26	28
	Total	144	137	102	111	164	154	141	139	145	143

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 42: Motor Vehicle Crashes Involving Large Trucks by Weekday vs. Weekend and Crash Severity

STATE	PERIOD	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
					FATAL CRASHES (Continued)						
Missouri	Weekday	117	105	98	88	110	80	122	113	120	114
	Weekend	31	35	29	26	28	23	28	30	38	43
	Total	148	140	127	114	138	103	150	143	158	157
New Mexico	Weekday	26	42	24	31	19	30	20	18	26	23
	Weekend	12	12	18	8	18	10	9	15	9	13
	Total	38	54	42	39	37	40	29	33	35	36
North Carolina	Weekday	*	*	97	131	127	117	118	120	165	137
	Weekend	*	*	25	26	29	22	21	28	26	21
	Unknown	*	*	0	0	0	0	0	0	0	1
	Total	*	*	122	157	156	139	139	148	191	159
Ohio	Weekday	189	141	145	158	147	172	164	163	160	154
	Weekend	65	44	47	34	40	33	37	33	25	38
	Total	254	185	192	192	187	205	201	196	185	192
Pennsylvania	Weekday	139	160	122	142	146	132	139	158	146	153
	Weekend	42	29	36	31	45	40	36	30	26	41
	Total	181	189	158	173	191	172	175	188	172	194
Texas	Weekday	273	250	286	272	267	287	337	294	334	304
	Weekend	99	115	105	116	109	104	119	129	130	122
	Total	372	365	391	388	376	391	456	423	464	426
Utah	Weekday	24	17	15	21	27	28	26	40	42	32
	Weekend	5	8	7	7	3	1	11	11	7	9
	Total	29	25	22	28	30	29	37	51	49	41
Virginia	Weekday	96	88	89	73	102	82	93	97	114	74
	Weekend	40	14	24	16	27	23	24	28	13	23
	Total	136	102	113	89	129	105	117	125	127	97
Washington	Weekday	60	45	39	49	41	48	57	*	*	*
	Weekend	16	9	10	13	14	12	12	*	*	*
	Total	76	54	49	62	55	60	69	*	*	*

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 42: Motor Vehicle Crashes Involving Large Trucks by Weekday vs. Weekend and Crash Severity

STATE	PERIOD	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURY CRASHES					
California	Weekday	9,005	8,059	7,710	6,996	7,330	7,330	7,034	7,081	7,006	7,288
	Weekend	1,872	1,616	1,389	1,479	1,516	1,407	1,312	1,340	1,441	1,333
	Unknown	1	1	0	3	3	1	2	0	0	2
	Total	10,878	9,676	9,099	8,478	8,849	8,738	8,348	8,421	8,447	8,623
Florida	Weekday	6,229	5,290	5,805	6,350	6,535	6,797	6,965	7,054	7,455	7,175
	Weekend	1,357	1,175	1,245	1,363	1,364	1,357	1,369	1,389	1,453	1,468
	Unknown	2	4	4	8	12	12	7	12	10	13
	Total	7,588	6,469	7,054	7,721	7,911	8,166	8,341	8,455	8,918	8,656
Georgia	Weekday	3,622	3,569	3,737	4,186	3,444	3,684	3,830	3,933	3,933	*
	Weekend	858	796	840	1,023	594	623	660	657	601	*
	Total	4,480	4,365	4,577	5,209	4,038	4,307	4,490	4,590	4,534	*
Illinois	Weekday	5,595	4,891	4,939	4,838	4,472	4,233	2,778	4,235	3,674	3,769
	Weekend	1,313	1,110	1,032	1,104	870	759	535	857	645	667
	Unknown	7	5	4	7	5	2	3	7	5	5
	Total	6,915	6,006	5,975	5,949	5,347	4,994	3,316	5,099	4,324	4,441
Indiana	Weekday	2,677	2,578	2,692	2,770	3,083	3,087	3,299	3,372	3,344	3,261
	Weekend	711	671	625	731	707	812	775	840	823	868
	Unknown	10	8	8	17	10	18	13	20	22	18
	Total	3,398	3,257	3,325	3,518	3,800	3,917	4,087	4,232	4,189	4,147
Kansas	Weekday	558	510	547	680	609	709	749	777	795	727
	Weekend	173	144	141	166	152	169	188	191	203	197
	Unknown	120	134	120	120	117	134	153	134	141	181
	Total	851	788	808	966	878	1,012	1,090	1,102	1,139	1,105
Maryland	Weekday	2,510	1,987	2,121	3,559	3,366	1,644	2,480	2,514	2,357	2,394
	Weekend	483	389	474	1,327	1,183	353	555	667	464	566
	Unknown	8	6	2	0	0	640	0	0	0	0
	Total	3,001	2,382	2,597	4,886	4,549	2,637	3,035	3,181	2,821	2,960
Michigan	Weekday	3,651	3,055	1,951	2,624	3,205	3,095	3,350	3,284	3,086	3,147
	Weekend	748	640	356	461	493	564	477	510	416	537
	Unknown	2	0	42	12	6	12	15	7	3	6
	Total	4,401	3,695	2,349	3,097	3,704	3,671	3,842	3,801	3,505	3,690

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 42: Motor Vehicle Crashes Involving Large Trucks by Weekday vs. Weekend and Crash Severity

STATE	PERIOD	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
					INJURY CRASHES (Continued)						
Missouri	Weekday	2,098	1,791	1,924	2,642	2,661	2,523	2,606	2,819	2,632	2,696
	Weekend	525	443	377	672	568	543	535	515	520	569
	Unknown	6	2	0	6	4	8	1	3	3	4
	Total	2,629	2,236	2,301	3,320	3,233	3,074	3,142	3,337	3,155	3,269
New Mexico	Weekday	482	481	412	439	499	510	522	527	500	411
	Weekend	175	152	165	141	159	143	167	196	160	137
	Unknown	6	0	3	0	0	0	0	0	0	0
	Total	663	633	580	580	658	653	689	723	660	548
North Carolina	Weekday	*	*	2,215	2,458	2,676	2,677	2,950	2,910	2,863	2,908
	Weekend	*	*	348	411	421	371	458	390	416	422
	Unknown	*	*	9	5	3	0	4	5	2	4
	Total	*	*	2,572	2,874	3,100	3,048	3,412	3,305	3,281	3,334
Ohio	Weekday	5,553	4,812	5,036	5,290	5,898	5,775	6,135	5,874	5,809	5,902
	Weekend	1,086	954	951	995	967	1,067	999	1,063	949	1,000
	Unknown	7	10	11	11	13	9	8	11	6	6
	Total	6,646	5,776	5,998	6,296	6,878	6,851	7,142	6,948	6,764	6,908
Pennsylvania	Weekday	3,938	3,323	2,843	3,189	3,756	3,273	3,727	3,610	3,545	3,541
	Weekend	707	568	522	580	633	579	647	592	529	687
	Unknown	8	11	2	2	5	5	5	8	5	2
	Total	4,653	3,902	3,367	3,771	4,394	3,857	4,379	4,210	4,079	4,230
Texas	Weekday	8,673	8,672	9,422	10,005	11,031	10,605	11,676	12,661	12,914	13,539
	Weekend	2,482	2,660	2,786	2,816	3,194	2,879	3,169	3,546	3,701	3,738
	Total	11,155	11,332	12,208	12,821	14,225	13,484	14,845	16,207	16,615	17,277
Utah	Weekday	451	444	445	560	529	611	748	719	779	759
	Weekend	116	113	107	144	146	148	158	195	199	127
	Unknown	3	1	0	0	1	0	0	0	0	0
	Total	570	558	552	704	676	759	906	914	978	886
Virginia	Weekday	3,064	2,420	2,406	2,629	2,933	2,980	2,759	2,370	2,417	2,527
	Weekend	680	570	589	581	640	633	525	482	465	452
	Unknown	2	3	3	4	5	4	2	2	1	0
	Total	3,746	2,993	2,998	3,214	3,578	3,617	3,286	2,854	2,883	2,979
Washington	Weekday	1,737	1,475	1,453	1,598	1,846	1,813	2,006	*	*	*
	Weekend	314	212	197	255	235	295	304	*	*	*
	Total	2,051	1,687	1,650	1,853	2,081	2,108	2,310	*	*	*

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 42: Motor Vehicle Crashes Involving Large Trucks by Weekday vs. Weekend and Crash Severity

STATE	PERIOD	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
PROPERTY DAMAGE ONLY CRASHES											
California	Weekday	22,737	20,050	19,082	18,617	19,751	20,362	20,665	21,067	22,815	23,252
	Weekend	3,336	2,859	2,744	2,888	2,981	3,108	3,111	3,263	3,593	3,417
	Unknown	37	28	19	25	21	31	25	30	33	23
	Total	26,110	22,937	21,845	21,530	22,753	23,501	23,801	24,360	26,441	26,692
Florida	Weekday	3,628	2,978	2,757	2,843	3,084	3,640	3,805	4,150	4,645	4,852
	Weekend	907	793	736	772	739	834	826	958	1,039	1,090
	Unknown	37	25	17	19	19	20	24	16	26	24
	Total	4,572	3,796	3,510	3,634	3,842	4,494	4,655	5,124	5,710	5,966
Georgia	Weekday	11,842	10,607	11,418	12,550	9,677	10,556	11,142	11,550	9,963	*
	Weekend	1,950	1,919	2,033	2,388	1,372	1,499	1,659	1,654	1,408	*
	Total	13,792	12,526	13,451	14,938	11,049	12,055	12,801	13,204	11,371	*
Illinois	Weekday	26,591	23,405	20,855	20,600	18,205	17,053	10,737	19,401	15,999	17,393
	Weekend	4,889	4,159	3,583	3,608	2,592	2,594	1,677	3,211	2,270	2,687
	Unknown	134	109	65	64	37	21	18	28	29	16
	Total	31,614	27,673	24,503	24,272	20,834	19,668	12,432	22,640	18,298	20,096
Indiana	Weekday	10,287	9,742	9,896	10,267	11,434	11,930	12,917	13,026	13,267	14,502
	Weekend	2,287	2,132	2,037	2,337	2,401	2,787	2,787	3,065	2,853	3,260
	Unknown	42	36	66	60	47	77	64	89	72	90
	Total	12,616	11,910	11,999	12,664	13,882	14,794	15,768	16,180	16,192	17,852
Kansas	Weekday	1,439	1,446	1,551	1,891	1,622	1,897	2,005	2,362	2,439	2,417
	Weekend	347	376	347	416	400	449	501	524	590	522
	Unknown	310	343	289	370	293	408	422	441	437	489
	Total	2,096	2,165	2,187	2,677	2,315	2,754	2,928	3,327	3,466	3,428
Maryland	Weekday	3,813	3,261	3,084	4,831	5,099	2,784	4,570	4,549	4,348	4,695
	Weekend	678	533	571	1,617	1,658	604	1,082	1,145	950	1,084
	Unknown	22	21	13	0	0	1,219	0	0	0	0
	Total	4,513	3,815	3,668	6,448	6,757	4,607	5,652	5,694	5,298	5,779
Michigan	Weekday	13,162	11,438	7,725	9,482	11,612	11,317	12,566	12,798	12,347	13,805
	Weekend	2,217	1,957	1,073	1,255	1,445	1,715	1,588	1,822	1,581	1,764
	Unknown	18	12	150	35	64	34	63	42	35	30
	Total	15,397	13,407	8,948	10,772	13,121	13,066	14,217	14,662	13,963	15,599
Missouri	Weekday	7,191	6,656	6,625	9,490	9,114	9,259	9,695	10,186	10,258	10,273
	Weekend	1,456	1,335	1,268	1,903	1,612	1,672	1,701	1,687	1,760	1,915
	Unknown	19	31	33	39	47	33	30	36	37	35
	Total	8,666	8,022	7,926	11,432	10,773	10,964	11,426	11,909	12,055	12,223

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 42: Motor Vehicle Crashes Involving Large Trucks by Weekday vs. Weekend and Crash Severity

STATE	PERIOD	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
PROPERTY DAMAGE ONLY CRASHES (Continued)											
New Mexico	Weekday	1,241	1,244	1,041	1,099	1,178	1,279	1,149	1,395	1,181	1,036
	Weekend	333	324	331	289	310	306	347	375	317	289
	Unknown	7	7	7	2	0	0	0	0	1	0
	Total	1,581	1,575	1,379	1,390	1,488	1,585	1,496	1,770	1,499	1,325
North Carolina	Weekday	*	*	4,403	4,734	5,362	5,849	5,122	5,199	5,365	5,593
	Weekend	*	*	644	666	725	780	782	759	715	739
	Unknown	*	*	10	9	9	15	6	10	10	11
	Total	*	*	5,057	5,409	6,096	6,644	5,910	5,968	6,090	6,343
Ohio	Weekday	16,765	15,053	15,025	15,647	17,586	17,090	17,964	17,024	17,183	18,441
	Weekend	2,829	2,351	2,454	2,572	2,607	2,733	2,736	2,804	2,486	3,001
	Unknown	36	32	33	28	29	30	15	24	13	39
	Total	19,630	17,436	17,512	18,247	20,222	19,853	20,715	19,852	19,682	21,481
Pennsylvania	Weekday	2,478	2,122	2,021	2,249	2,835	2,510	2,670	2,668	2,640	2,801
	Weekend	458	347	369	397	440	435	485	474	422	527
	Unknown	8	2	5	4	3	5	2	10	3	3
	Total	2,944	2,471	2,395	2,650	3,278	2,950	3,157	3,152	3,065	3,331
Texas	Weekday	15,166	14,566	14,982	15,454	16,474	10,626	5,590	6,571	7,120	7,727
	Weekend	3,705	3,534	3,716	3,743	4,041	2,576	1,615	1,848	2,130	2,305
	Total	18,871	18,100	18,698	19,197	20,515	13,202	7,205	8,419	9,250	10,032
Utah	Weekday	1,370	1,169	1,212	1,467	1,542	1,477	1,737	1,768	1,887	1,789
	Weekend	281	249	243	343	284	316	362	354	408	363
	Unknown	5	2	2	0	0	0	0	0	0	0
	Total	1,656	1,420	1,457	1,810	1,826	1,793	2,099	2,122	2,295	2,152
Virginia	Weekday	5,854	4,814	4,429	4,290	5,144	4,826	4,760	4,275	4,330	4,728
	Weekend	1,214	942	842	908	951	990	877	736	723	800
	Unknown	4	5	10	4	4	10	7	5	3	14
	Total	7,072	5,761	5,281	5,202	6,099	5,826	5,644	5,016	5,056	5,542
Washington	Weekday	3,795	3,426	3,384	3,428	3,730	3,909	4,504	*	*	*
	Weekend	564	450	447	473	498	599	616	*	*	*
	Unknown	0	0	0	0	0	0	1	*	*	*
	Total	4,359	3,876	3,831	3,901	4,228	4,508	5,121	*	*	*

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 43: Motor Vehicle Crashes Involving Large Trucks by Time of Day and Crash Severity

STATE	PERIOD	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						FATAL CRASHES					
California	Day	278	229	203	222	231	234	225	214	208	190
	Night	201	170	179	146	143	151	147	147	134	144
	Unknown	1	1	0	1	2	1	1	3	1	0
	Total	480	400	382	369	376	386	373	364	343	334
Florida	Day	164	152	166	202	189	172	210	192	221	204
	Night	144	105	114	117	135	139	101	113	126	142
	Unknown	1	0	1	0	2	0	0	1	0	1
	Total	309	257	281	319	326	311	311	306	347	347
Georgia	Day	158	103	121	132	126	114	141	128	124	*
	Night	102	70	62	64	56	56	55	68	51	*
	Total	260	173	183	196	182	170	196	196	175	*
Illinois	Day	143	108	108	106	100	110	81	114	109	126
	Night	69	60	46	47	66	58	41	56	64	71
	Total	212	168	154	153	166	168	122	170	173	197
Indiana	Day	91	86	79	103	98	108	101	106	108	116
	Night	73	65	56	43	48	53	51	59	62	66
	Unknown	0	0	0	1	0	0	0	1	3	0
	Total	164	151	135	147	146	161	152	166	173	182
Kansas	Day	47	27	28	47	29	43	43	52	51	49
	Night	19	17	23	18	19	17	19	24	23	24
	Total	66	44	51	65	48	60	62	76	74	73
Maryland	Day	52	43	43	78	73	45	55	57	39	43
	Night	36	31	33	49	42	26	24	27	26	17
	Total	88	74	76	127	115	71	79	84	65	60
Michigan	Day	104	92	60	72	105	115	93	87	98	91
	Night	40	45	41	39	59	38	47	51	47	52
	Unknown	0	0	1	0	0	1	1	1	0	0
	Total	144	137	102	111	164	154	141	139	145	143

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 43: Motor Vehicle Crashes Involving Large Trucks by Time of Day and Crash Severity

STATE	PERIOD	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
					FATAL CRASHES (Continued)						
Missouri	Day	82	84	89	70	92	61	100	103	110	97
	Night	66	56	38	44	45	42	50	40	48	60
	Unknown	0	0	0	0	1	0	0	0	0	0
	Total	148	140	127	114	138	103	150	143	158	157
New Mexico	Day	19	25	24	21	10	27	10	17	22	21
	Night	19	28	18	18	26	13	19	16	13	15
	Unknown	0	1	0	0	1	0	0	0	0	0
	Total	38	54	42	39	37	40	29	33	35	36
North Carolina	Day	*	*	74	101	109	98	99	95	130	112
	Night	*	*	48	56	47	41	40	53	60	46
	Unknown	*	*	0	0	0	0	0	0	1	1
	Total	*	*	122	157	156	139	139	148	191	159
Ohio	Day	152	114	127	126	124	144	143	133	129	135
	Night	102	71	65	66	62	61	58	63	56	57
	Unknown	0	0	0	0	1	0	0	0	0	0
	Total	254	185	192	192	187	205	201	196	185	192
Pennsylvania	Day	124	125	97	119	120	119	119	128	122	125
	Night	57	64	61	54	71	53	56	60	50	69
	Total	181	189	158	173	191	172	175	188	172	194
Texas	Day	209	202	216	220	223	227	266	241	289	270
	Night	163	163	175	168	153	164	190	182	175	156
	Total	372	365	391	388	376	391	456	423	464	426
Utah	Day	21	13	13	17	23	22	32	37	38	28
	Night	8	12	9	11	7	7	5	14	11	13
	Total	29	25	22	28	30	29	37	51	49	41
Virginia	Day	87	70	70	58	94	69	64	80	91	70
	Night	49	32	43	31	35	36	53	45	36	27
	Total	136	102	113	89	129	105	117	125	127	97
Washington	Day	51	42	25	47	43	45	45	*	*	*
	Night	25	12	24	15	12	15	24	*	*	*
	Total	76	54	49	62	55	60	69	*	*	*

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 43: Motor Vehicle Crashes Involving Large Trucks by Time of Day and Crash Severity

STATE	PERIOD	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURY CRASHES					
California	Day	8,403	7,439	7,099	6,561	6,882	6,835	6,494	6,579	6,621	6,764
	Night	2,467	2,228	1,994	1,910	1,962	1,898	1,850	1,842	1,825	1,855
	Unknown	8	9	6	7	5	5	4	0	1	4
	Total	10,878	9,676	9,099	8,478	8,849	8,738	8,348	8,421	8,447	8,623
Florida	Day	5,754	4,934	5,399	5,962	6,094	6,408	6,554	6,666	7,010	6,744
	Night	1,823	1,523	1,648	1,727	1,788	1,729	1,762	1,766	1,877	1,889
	Unknown	11	12	7	32	29	29	25	23	31	23
	Total	7,588	6,469	7,054	7,721	7,911	8,166	8,341	8,455	8,918	8,656
Georgia	Day	3,332	3,323	3,406	3,945	3,135	3,348	3,523	3,585	3,586	*
	Night	1,148	1,042	1,171	1,264	903	959	967	1,005	948	*
	Total	4,480	4,365	4,577	5,209	4,038	4,307	4,490	4,590	4,534	*
Illinois	Day	5,195	4,480	4,469	4,444	4,069	3,894	2,444	3,898	3,367	3,447
	Night	1,706	1,512	1,493	1,483	1,264	1,090	865	1,188	941	985
	Unknown	14	14	13	22	14	10	7	13	16	9
	Total	6,915	6,006	5,975	5,949	5,347	4,994	3,316	5,099	4,324	4,441
Indiana	Day	2,402	2,308	2,367	2,474	2,764	2,859	3,033	3,075	3,069	2,993
	Night	977	932	931	1,002	1,003	1,017	1,019	1,107	1,067	1,088
	Unknown	19	17	27	42	33	41	35	50	53	66
	Total	3,398	3,257	3,325	3,518	3,800	3,917	4,087	4,232	4,189	4,147
Kansas	Day	625	596	609	730	669	777	854	844	883	866
	Night	226	192	193	228	204	234	232	254	256	238
	Unknown	0	0	6	8	5	1	4	4	0	1
	Total	851	788	808	966	878	1,012	1,090	1,102	1,139	1,105
Maryland	Day	2,365	1,832	2,004	3,410	3,391	2,043	2,297	2,421	2,144	2,227
	Night	628	538	590	1,476	1,158	594	738	760	677	733
	Unknown	8	12	3	0	0	0	0	0	0	0
	Total	3,001	2,382	2,597	4,886	4,549	2,637	3,035	3,181	2,821	2,960
Michigan	Day	3,351	2,856	1,765	2,357	2,839	2,844	3,016	3,023	2,758	2,956
	Night	1,043	838	548	712	838	789	789	752	738	721
	Unknown	7	1	36	28	27	38	37	26	9	13
	Total	4,401	3,695	2,349	3,097	3,704	3,671	3,842	3,801	3,505	3,690
Missouri	Day	1,947	1,607	1,759	2,455	2,467	2,370	2,495	2,578	2,439	2,593
	Night	671	624	537	856	753	694	642	751	710	668
	Unknown	11	5	5	9	13	10	5	8	6	8
	Total	2,629	2,236	2,301	3,320	3,233	3,074	3,142	3,337	3,155	3,269

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 43: Motor Vehicle Crashes Involving Large Trucks by Time of Day and Crash Severity

STATE	PERIOD	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
					INJURY CRASHES (Continued)						
New Mexico	Day	432	442	384	412	450	487	490	515	476	389
	Night	221	187	189	164	208	166	199	208	184	159
	Unknown	10	4	7	4	0	0	0	0	0	0
	Total	663	633	580	580	658	653	689	723	660	548
North Carolina	Day	*	*	1,999	2,196	2,354	2,402	2,674	2,597	2,562	2,604
	Night	*	*	556	669	736	636	731	699	715	718
	Unknown	*	*	17	9	10	10	7	9	4	12
	Total	*	*	2,572	2,874	3,100	3,048	3,412	3,305	3,281	3,334
Ohio	Day	5,156	4,422	4,550	4,828	5,398	5,373	5,693	5,425	5,379	5,392
	Night	1,466	1,332	1,423	1,443	1,446	1,456	1,426	1,495	1,364	1,490
	Unknown	24	22	25	25	34	22	23	28	21	26
	Total	6,646	5,776	5,998	6,296	6,878	6,851	7,142	6,948	6,764	6,908
Pennsylvania	Day	3,573	2,925	2,513	2,850	3,352	2,949	3,311	3,217	3,123	3,262
	Night	1,065	962	842	912	1,026	898	1,053	978	944	953
	Unknown	15	15	12	9	16	10	15	15	12	15
	Total	4,653	3,902	3,367	3,771	4,394	3,857	4,379	4,210	4,079	4,230
Texas	Day	8,085	8,106	8,856	9,399	10,397	10,113	11,073	12,006	12,434	13,095
	Night	3,070	3,226	3,352	3,422	3,828	3,371	3,772	4,201	4,181	4,182
	Total	11,155	11,332	12,208	12,821	14,225	13,484	14,845	16,207	16,615	17,277
Utah	Day	434	407	420	540	522	590	720	716	758	708
	Night	134	148	132	164	153	169	186	198	220	178
	Unknown	2	3	0	0	1	0	0	0	0	0
	Total	570	558	552	704	676	759	906	914	978	886
Virginia	Day	2,829	2,246	2,296	2,432	2,789	2,797	2,536	2,228	2,265	2,335
	Night	909	740	693	775	777	807	745	623	617	640
	Unknown	8	7	9	7	12	13	5	3	1	4
	Total	3,746	2,993	2,998	3,214	3,578	3,617	3,286	2,854	2,883	2,979
Washington	Day	1,603	1,412	1,363	1,515	1,710	1,701	1,874	*	*	*
	Night	448	275	287	338	371	405	435	*	*	*
	Unknown	0	0	0	0	0	2	1	*	*	*
	Total	2,051	1,687	1,650	1,853	2,081	2,108	2,310	*	*	*

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 43: Motor Vehicle Crashes Involving Large Trucks by Time of Day and Crash Severity

STATE	PERIOD	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
PROPERTY DAMAGE ONLY CRASHES											
California	Day	21,640	18,993	17,982	17,549	18,552	19,179	19,418	19,942	21,403	21,831
	Night	4,381	3,861	3,794	3,914	4,129	4,243	4,309	4,339	4,958	4,762
	Unknown	89	83	69	67	72	79	74	79	80	99
	Total	26,110	22,937	21,845	21,530	22,753	23,501	23,801	24,360	26,441	26,692
Florida	Day	3,186	2,649	2,431	2,532	2,735	3,317	3,460	3,852	4,193	4,383
	Night	1,292	1,089	1,031	1,051	1,050	1,121	1,123	1,219	1,441	1,506
	Unknown	94	58	48	51	57	56	72	53	76	77
	Total	4,572	3,796	3,510	3,634	3,842	4,494	4,655	5,124	5,710	5,966
Georgia	Day	11,310	10,178	10,886	12,114	9,059	9,907	10,534	10,789	9,302	*
	Night	2,482	2,348	2,565	2,824	1,990	2,148	2,267	2,415	2,069	*
	Total	13,792	12,526	13,451	14,938	11,049	12,055	12,801	13,204	11,371	*
Illinois	Day	25,226	22,182	19,619	19,522	16,689	16,004	9,648	18,293	14,696	15,925
	Night	6,029	5,191	4,676	4,565	4,052	3,602	2,730	4,276	3,518	4,101
	Unknown	359	300	208	185	93	62	54	71	84	70
	Total	31,614	27,673	24,503	24,272	20,834	19,668	12,432	22,640	18,298	20,096
Indiana	Day	9,398	8,848	8,810	9,286	10,258	10,976	11,604	11,970	11,986	13,187
	Night	3,077	2,954	3,029	3,203	3,463	3,609	3,934	3,965	3,998	4,412
	Unknown	141	108	160	175	161	209	230	245	208	253
	Total	12,616	11,910	11,999	12,664	13,882	14,794	15,768	16,180	16,192	17,852
Kansas	Day	1,570	1,658	1,664	2,016	1,731	2,106	2,198	2,490	2,629	2,644
	Night	526	507	510	641	573	641	717	819	830	772
	Unknown	0	0	13	20	11	7	13	18	7	12
	Total	2,096	2,165	2,187	2,677	2,315	2,754	2,928	3,327	3,466	3,428
Maryland	Day	3,638	3,011	2,868	4,624	5,009	3,606	4,323	4,340	4,057	4,377
	Night	833	775	769	1,824	1,748	1,001	1,329	1,354	1,241	1,402
	Unknown	42	29	31	0	0	0	0	0	0	0
	Total	4,513	3,815	3,668	6,448	6,757	4,607	5,652	5,694	5,298	5,779
Michigan	Day	12,391	10,830	7,157	8,765	10,715	10,601	11,548	11,815	11,380	12,758
	Night	2,976	2,554	1,667	1,914	2,257	2,349	2,484	2,712	2,501	2,736
	Unknown	30	23	124	93	149	116	185	135	82	105
	Total	15,397	13,407	8,948	10,772	13,121	13,066	14,217	14,662	13,963	15,599
Missouri	Day	6,929	6,358	6,311	9,064	8,690	8,764	9,160	9,559	9,756	9,900
	Night	1,679	1,595	1,552	2,284	2,003	2,106	2,202	2,266	2,214	2,245
	Unknown	58	69	63	84	80	94	64	84	85	78
	Total	8,666	8,022	7,926	11,432	10,773	10,964	11,426	11,909	12,055	12,223

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 43: Motor Vehicle Crashes Involving Large Trucks by Time of Day and Crash Severity

STATE	PERIOD	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
PROPERTY DAMAGE ONLY CRASHES (Continued)											
New Mexico	Day	1,149	1,196	1,033	1,074	1,127	1,238	1,099	1,366	1,146	994
	Night	414	357	326	309	358	347	396	398	348	331
	Unknown	18	22	20	7	3	0	1	6	5	0
	Total	1,581	1,575	1,379	1,390	1,488	1,585	1,496	1,770	1,499	1,325
North Carolina	Day	*	*	3,992	4,280	4,800	5,170	4,516	4,683	4,800	4,982
	Night	*	*	1,038	1,096	1,266	1,433	1,375	1,259	1,261	1,330
	Unknown	*	*	27	33	30	41	19	26	29	31
	Total	*	*	5,057	5,409	6,096	6,644	5,910	5,968	6,090	6,343
Ohio	Day	15,702	13,909	13,871	14,486	16,128	15,925	16,570	15,907	15,756	17,073
	Night	3,818	3,450	3,556	3,667	4,016	3,848	4,084	3,863	3,870	4,315
	Unknown	110	77	85	94	78	80	61	82	56	93
	Total	19,630	17,436	17,512	18,247	20,222	19,853	20,715	19,852	19,682	21,481
Pennsylvania	Day	2,245	1,852	1,685	1,983	2,475	2,184	2,352	2,355	2,263	2,500
	Night	678	611	691	659	798	754	796	780	791	822
	Unknown	21	8	19	8	5	12	9	17	11	9
	Total	2,944	2,471	2,395	2,650	3,278	2,950	3,157	3,152	3,065	3,331
Texas	Day	14,667	13,936	14,403	14,689	15,746	10,079	5,191	6,062	6,614	7,179
	Night	4,204	4,164	4,295	4,508	4,769	3,123	2,014	2,357	2,636	2,853
	Total	18,871	18,100	18,698	19,197	20,515	13,202	7,205	8,419	9,250	10,032
Utah	Day	1,317	1,141	1,167	1,438	1,488	1,421	1,649	1,684	1,810	1,683
	Night	333	276	287	371	337	372	450	438	485	469
	Unknown	6	3	3	1	1	0	0	0	0	0
	Total	1,656	1,420	1,457	1,810	1,826	1,793	2,099	2,122	2,295	2,152
Virginia	Day	5,631	4,593	4,170	4,086	4,898	4,633	4,548	4,002	4,052	4,461
	Night	1,435	1,151	1,086	1,105	1,184	1,172	1,075	1,002	997	1,053
	Unknown	6	17	25	11	17	21	21	12	7	28
	Total	7,072	5,761	5,281	5,202	6,099	5,826	5,644	5,016	5,056	5,542
Washington	Day	3,611	3,289	3,264	3,303	3,569	3,751	4,290	*	*	*
	Night	748	587	566	598	659	757	830	*	*	*
	Unknown	0	0	1	0	0	0	1	*	*	*
	Total	4,359	3,876	3,831	3,901	4,228	4,508	5,121	*	*	*

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 44: Large Trucks Involved in Motor Vehicle Crashes by Crash Severity

STATE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
FATAL CRASHES										
California	516	446	415	399	415	410	412	391	382	363
Florida	324	280	291	336	356	338	335	330	371	387
Georgia	273	186	199	210	196	194	214	207	183	*
Illinois	226	180	169	160	178	175	138	183	196	215
Indiana	177	169	148	159	160	179	171	184	200	213
Kansas	70	45	52	66	50	64	66	78	80	77
Maryland	91	84	80	142	130	72	81	95	75	66
Michigan	148	140	111	119	173	172	150	141	153	148
Missouri	158	150	134	121	145	107	160	152	171	169
New Mexico	39	57	44	40	39	41	30	39	37	41
North Carolina	*	*	126	170	165	148	147	157	203	166
Ohio	275	193	200	204	208	221	228	215	204	212
Pennsylvania	195	213	173	197	202	186	192	199	190	214
Texas	389	385	416	417	407	417	491	457	499	451
Utah	30	34	22	31	31	31	41	53	55	46
Virginia	145	111	125	101	141	108	131	132	133	112
Washington	81	59	51	64	57	63	75	*	*	*
INJURY CRASHES										
California	11,580	10,229	9,602	8,919	9,363	9,307	8,873	8,973	9,002	9,214
Florida	8,023	6,764	7,439	8,172	8,386	8,668	8,766	8,953	9,446	9,187
Georgia	4,746	4,607	4,793	5,487	4,263	4,582	4,774	4,906	4,844	*
Illinois	7,312	6,355	6,327	6,320	5,719	5,319	3,571	5,426	4,630	4,775
Indiana	3,620	3,505	3,529	3,759	4,093	4,217	4,473	4,618	4,554	4,576
Kansas	890	829	848	1,004	925	1,057	1,141	1,165	1,193	1,168
Maryland	3,179	2,483	2,728	5,355	4,952	2,790	3,207	3,394	2,993	3,132
Michigan	4,591	3,830	2,433	3,221	3,861	3,817	4,016	3,970	3,631	3,873
Missouri	2,733	2,328	2,391	3,498	3,434	3,265	3,318	3,545	3,357	3,477
New Mexico	688	653	608	609	688	689	724	760	694	580
North Carolina	*	*	2,708	3,027	3,255	3,203	3,615	3,479	3,465	3,516
Ohio	6,969	6,051	6,324	6,637	7,294	7,272	7,547	7,368	7,172	7,388
Pennsylvania	4,955	4,139	3,589	4,029	4,737	4,135	4,729	4,485	4,344	4,535
Texas	11,718	11,953	12,826	13,502	14,991	14,214	15,621	17,193	17,652	18,392
Utah	597	586	573	733	712	783	957	962	1,043	923
Virginia	3,965	3,169	3,174	3,387	3,800	3,862	3,513	3,017	3,091	3,173
Washington	2,137	1,750	1,700	1,938	2,152	2,190	2,417	*	*	*

**Data not available.*

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 44: Large Trucks Involved in Motor Vehicle Crashes by Crash Severity

STATE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
PROPERTY DAMAGE ONLY CRASHES										
California	27,401	24,042	22,950	22,579	24,013	24,784	25,112	25,781	28,056	28,365
Florida	4,843	3,988	3,713	3,855	4,114	4,797	4,929	5,414	6,083	6,424
Georgia	14,450	13,114	14,077	15,730	11,600	12,697	13,533	14,024	12,071	*
Illinois	33,039	28,830	25,528	25,416	21,965	20,678	13,311	23,910	19,460	21,326
Indiana	13,549	12,855	12,945	13,704	15,151	16,210	17,294	17,835	17,836	19,759
Kansas	2,169	2,250	2,251	2,788	2,409	2,850	3,040	3,461	3,600	3,560
Maryland	4,767	4,034	3,831	7,043	7,314	4,870	5,969	6,061	5,595	6,143
Michigan	15,852	13,763	9,128	11,094	13,489	13,475	14,677	15,151	14,420	16,198
Missouri	9,041	8,387	8,245	12,035	11,332	11,528	12,003	12,562	12,753	12,970
New Mexico	1,647	1,643	1,439	1,451	1,552	1,656	1,567	1,882	1,607	1,399
North Carolina	*	*	5,443	5,794	6,559	7,143	6,362	6,461	6,634	6,880
Ohio	20,456	18,183	18,309	19,059	21,248	20,858	21,801	20,928	20,812	22,723
Pennsylvania	3,126	2,631	2,575	2,836	3,510	3,152	3,401	3,369	3,292	3,611
Texas	19,713	18,954	19,628	20,089	21,547	13,900	7,603	8,924	9,830	10,741
Utah	1,730	1,477	1,523	1,871	1,886	1,854	2,208	2,231	2,422	2,254
Virginia	7,441	6,054	5,545	5,453	6,454	6,137	5,951	5,300	5,352	5,859
Washington	4,507	4,002	3,932	4,027	4,381	4,663	5,331	*	*	*
ALL CRASHES										
California	39,497	34,717	32,967	31,897	33,791	34,501	34,397	35,145	37,440	37,942
Florida	13,190	11,032	11,443	12,363	12,856	13,803	14,030	14,697	15,900	15,998
Georgia	19,469	17,907	19,069	21,427	16,059	17,473	18,521	19,137	17,098	*
Illinois	40,577	35,365	32,024	31,896	27,862	26,172	17,020	29,519	24,286	26,316
Indiana	17,346	16,529	16,622	17,622	19,404	20,606	21,938	22,637	22,590	24,548
Kansas	3,129	3,124	3,151	3,858	3,384	3,971	4,247	4,704	4,873	4,805
Maryland	8,037	6,601	6,639	12,540	12,396	7,732	9,257	9,550	8,663	9,341
Michigan	20,591	17,733	11,672	14,434	17,523	17,464	18,843	19,262	18,204	20,219
Missouri	11,932	10,865	10,770	15,654	14,911	14,900	15,481	16,259	16,281	16,616
New Mexico	2,374	2,353	2,091	2,100	2,279	2,386	2,321	2,681	2,338	2,020
North Carolina	*	*	8,277	8,991	9,979	10,494	10,124	10,097	10,302	10,562
Ohio	27,700	24,427	24,833	25,900	28,750	28,351	29,576	28,511	28,188	30,323
Pennsylvania	8,276	6,983	6,337	7,062	8,449	7,473	8,322	8,053	7,826	8,360
Texas	31,820	31,292	32,870	34,008	36,945	28,531	23,715	26,574	27,981	29,584
Utah	2,357	2,097	2,118	2,635	2,629	2,668	3,206	3,246	3,520	3,223
Virginia	11,551	9,334	8,844	8,941	10,395	10,107	9,595	8,449	8,576	9,144
Washington	6,725	5,811	5,683	6,029	6,590	6,916	7,823	*	*	*

**Data not available.*

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 45: Large Truck Occupants Killed or Injured in Motor Vehicle Crashes

STATE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
KILLED										
California	68	77	73	52	67	90	65	68	45	49
Florida	36	39	29	53	40	49	32	39	46	44
Georgia	55	32	38	46	27	27	35	29	23	*
Illinois	37	22	28	13	12	18	16	19	21	17
Indiana	30	30	23	31	34	26	24	30	25	46
Kansas	13	7	9	11	14	10	18	13	10	9
Maryland	14	7	12	41	27	7	11	16	7	9
Michigan	11	15	18	10	15	12	15	5	9	13
Missouri	23	27	24	21	25	18	19	19	26	35
New Mexico	6	10	4	17	7	7	4	4	4	10
North Carolina	*	*	17	31	12	23	18	8	30	18
Ohio	33	30	31	33	33	32	19	25	26	46
Pennsylvania	31	33	26	23	24	23	22	32	38	31
Texas	76	67	80	82	107	82	87	76	117	83
Utah	3	5	4	8	7	7	5	14	15	12
Virginia	33	23	21	17	28	21	26	23	33	20
Washington	9	11	10	14	11	7	10	*	*	*
INJURED										
California	3,286	2,884	2,614	2,574	2,640	2,657	2,459	2,488	2,415	2,426
Florida	2,786	2,282	2,638	3,122	2,994	3,159	2,980	3,233	3,265	3,220
Georgia	2,248	2,206	2,393	2,686	1,475	1,589	1,607	1,701	1,667	*
Illinois	2,549	2,104	2,138	2,011	1,754	1,553	1,083	1,617	1,496	1,480
Indiana	1,621	1,460	1,492	1,605	1,766	1,862	1,991	2,059	2,051	2,067
Kansas	442	427	391	456	450	505	563	574	578	593
Maryland	1,143	967	1,062	3,202	2,625	1,040	1,263	1,367	1,095	1,148
Michigan	1,573	1,281	676	854	1,016	1,060	1,068	1,046	973	1,176
Missouri	1,133	969	953	1,439	1,395	1,276	1,218	1,310	1,247	1,299
New Mexico	357	323	282	256	307	305	333	306	279	265
North Carolina	*	*	926	987	1,070	1,057	1,120	1,154	1,100	1,073
Ohio	3,236	2,892	3,033	3,065	3,214	3,268	3,470	3,424	3,286	3,309
Pennsylvania	1,879	1,556	1,249	1,407	1,650	1,348	1,627	1,498	1,482	1,578
Texas	5,139	5,488	5,817	5,982	6,834	6,133	6,789	7,462	7,873	8,112
Utah	257	254	219	251	236	289	333	340	352	354
Virginia	1,650	1,340	1,327	1,359	1,506	1,472	1,314	1,158	1,153	1,121
Washington	598	531	486	539	584	609	696	*	*	*

**Data not available.*

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Fatalities and Injuries by Age

Crash Data Report: 1990-1999

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Table 46: Persons Killed or Injured in Motor Vehicle Crashes by Age

STATE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
					KILLED						
California	<5	136	123	117	118	124	108	85	77	75	89
	5-9	110	103	95	101	109	108	71	80	64	67
	10-15	152	156	139	144	143	146	144	117	125	110
	16-20	679	625	525	485	482	488	435	453	433	463
	21-24	692	584	478	486	401	415	365	301	325	350
	25-34	1,175	1,038	865	848	845	798	707	631	573	593
	35-44	715	611	607	617	585	631	651	523	544	557
	45-54	425	393	378	360	416	450	440	422	395	409
	55-64	308	259	262	260	290	284	316	308	293	270
	65-74	298	275	291	254	324	275	321	287	239	276
	>74	340	333	291	374	374	350	351	409	338	322
	Unknown	141	149	137	116	119	112	86	63	55	53
	Total	5,171	4,649	4,185	4,163	4,212	4,165	3,972	3,671	3,459	3,559
					INJURED						
California	<5	8,552	8,008	8,016	7,480	7,259	6,859	6,584	5,546	5,444	5,103
	5-9	13,156	12,922	12,826	12,148	11,852	11,894	11,462	10,959	10,732	10,577
	10-15	20,332	20,396	20,299	19,731	19,354	18,485	18,082	17,002	16,941	16,895
	16-20	60,258	55,344	50,381	45,393	46,107	43,113	42,893	40,695	42,722	42,790
	21-24	47,576	45,684	43,180	38,024	35,933	32,516	30,112	27,955	28,126	28,404
	25-34	91,611	87,154	81,869	74,197	72,707	69,222	65,550	59,948	59,511	57,432
	35-44	53,924	53,017	53,082	50,695	52,284	51,974	52,439	49,921	51,584	50,503
	45-54	28,319	27,629	28,834	28,761	30,468	31,446	32,607	32,828	34,648	35,524
	55-64	17,805	16,712	16,712	16,021	16,658	16,603	17,152	17,084	17,964	18,599
	65-74	12,179	11,676	11,673	11,494	11,841	11,455	11,747	11,505	11,423	11,473
	>74	7,129	6,991	7,090	7,291	7,580	7,683	8,002	8,283	8,307	8,631
	Unknown	4,879	4,535	4,192	3,949	4,398	3,691	3,476	3,145	3,296	2,796
	Total	365,720	350,068	338,154	315,184	316,441	304,941	300,106	284,871	290,698	288,727

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 46: Persons Killed or Injured in Motor Vehicle Crashes by Age

STATE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED					
Florida	<5	49	43	50	43	44	32	31	24	33	31
	5-9	63	57	55	45	52	50	51	32	41	45
	10-15	79	67	86	85	101	91	105	92	77	101
	16-20	327	289	253	270	308	300	260	309	302	333
	21-24	269	262	181	252	246	238	227	217	233	217
	25-34	646	498	497	503	462	497	462	449	432	447
	35-44	404	359	346	413	407	463	435	431	478	448
	45-54	261	212	255	250	231	281	297	303	336	366
	55-64	214	196	184	205	173	202	207	246	238	253
	65-74	259	208	249	217	254	256	285	258	255	246
	>74	304	289	289	373	375	370	387	380	410	382
	Unknown	76	42	35	63	69	67	59	70	54	51
	Total	2,951	2,522	2,480	2,719	2,722	2,847	2,806	2,811	2,889	2,920
						INJURED					
Florida	<5	4,854	4,494	4,510	4,284	4,439	4,244	4,325	4,291	4,016	3,898
	5-9	7,018	6,282	6,863	6,449	6,967	7,098	7,262	7,245	7,202	7,011
	10-15	10,559	10,008	10,807	11,329	11,916	12,237	12,120	11,995	11,957	11,694
	16-20	32,598	28,474	28,541	29,298	31,197	32,240	33,736	33,199	34,092	34,087
	21-24	22,619	20,100	21,516	22,302	22,794	23,025	22,947	21,866	21,549	21,083
	25-34	49,269	44,174	45,645	46,701	47,929	49,419	50,069	48,675	47,181	43,725
	35-44	30,932	29,113	31,811	33,582	35,894	38,549	40,916	41,018	41,901	40,109
	45-54	18,222	17,420	19,151	20,239	21,851	24,214	26,076	26,983	28,024	27,237
	55-64	13,915	12,712	13,300	13,597	14,062	15,246	16,143	16,160	17,032	16,370
	65-74	12,230	11,491	11,878	11,980	12,790	13,223	13,749	13,219	13,260	12,339
	>74	7,925	7,528	8,342	8,550	9,181	9,903	10,879	10,548	10,927	10,366
	Unknown	4,063	3,325	3,067	4,186	4,438	4,502	5,098	4,802	4,722	4,306
	Total	214,204	195,121	205,431	212,497	223,458	233,900	243,320	240,001	241,863	232,225

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 46: Persons Killed or Injured in Motor Vehicle Crashes by Age

STATE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED					
Georgia	<5	50	29	38	40	49	41	48	42	40	*
	5-9	31	31	42	31	19	32	31	42	26	*
	10-15	46	52	42	52	50	65	57	53	54	*
	16-20	216	221	184	187	167	189	263	205	205	*
	21-24	149	133	126	145	148	164	158	164	114	*
	25-34	344	292	247	273	263	262	280	285	267	*
	35-44	225	219	183	205	218	218	241	233	260	*
	45-54	156	121	125	123	153	160	159	199	195	*
	55-64	125	86	99	113	103	111	111	109	116	*
	65-74	109	83	101	96	120	93	101	108	102	*
	>74	98	105	104	105	125	133	113	130	138	*
	Unknown	12	21	21	29	21	24	20	14	20	*
	Total	1,561	1,393	1,312	1,399	1,436	1,492	1,582	1,584	1,537	*
						INJURED					
Georgia	<5	2,889	2,621	2,876	3,170	4,512	4,424	4,217	3,768	3,332	*
	5-9	3,182	3,175	3,341	3,455	4,614	4,926	4,965	4,844	4,219	*
	10-15	4,800	4,940	5,369	5,594	7,480	7,927	7,902	7,695	6,466	*
	16-20	17,006	16,179	16,822	17,743	22,540	23,347	23,624	23,061	20,129	*
	21-24	11,254	10,753	11,820	12,821	15,732	15,753	15,702	14,643	13,028	*
	25-34	22,980	22,235	23,376	24,749	29,785	31,101	31,668	30,698	27,634	*
	35-44	14,359	14,465	15,537	16,500	20,481	21,803	22,728	22,413	21,452	*
	45-54	7,779	7,969	8,976	9,625	12,357	13,249	14,202	14,517	13,927	*
	55-64	5,035	4,814	5,217	5,459	6,666	6,977	7,168	7,442	7,302	*
	65-74	3,526	3,484	3,628	3,785	4,610	4,785	4,872	4,648	4,592	*
	>74	2,097	2,187	2,212	2,276	3,029	2,817	2,868	2,898	2,808	*
	Unknown	3,763	3,867	3,582	3,970	3,539	2,708	2,925	2,753	2,817	*
	Total	98,670	96,689	102,756	109,147	135,345	139,817	142,841	139,380	127,706	*

**Data not available.*

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 46: Persons Killed or Injured in Motor Vehicle Crashes by Age

STATE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED					
Illinois	<5	23	27	26	27	21	37	11	15	24	30
	5-9	34	30	27	34	26	30	9	29	28	20
	10-15	48	46	42	50	65	77	16	58	48	37
	16-20	229	217	189	195	236	235	92	217	202	212
	21-24	171	172	152	151	180	169	92	149	160	145
	25-34	347	307	293	284	320	302	153	257	244	252
	35-44	203	200	215	207	213	243	138	221	203	230
	45-54	140	129	136	139	139	131	81	138	154	174
	55-64	126	91	102	86	91	82	68	95	95	102
	65-74	119	104	77	90	97	115	65	111	113	113
	>74	137	113	117	120	144	157	85	106	122	137
	Unknown	13	11	8	9	22	8	1	1	1	5
	Total	1,590	1,447	1,384	1,392	1,554	1,586	811	1,397	1,394	1,457
						INJURED					
Illinois	<5	3,924	3,478	3,688	3,393	2,556	2,493	1,455	3,036	2,391	2,200
	5-9	6,132	5,557	5,911	5,473	4,235	4,235	1,685	4,330	3,259	2,963
	10-15	8,620	8,458	9,684	9,360	7,866	7,741	2,816	6,936	5,696	5,186
	16-20	26,544	23,676	24,811	25,030	23,504	23,211	9,766	21,845	19,445	18,852
	21-24	17,718	16,482	17,352	17,535	15,955	14,703	6,789	12,844	10,383	10,430
	25-34	36,398	33,225	34,329	33,756	30,883	28,208	14,418	26,669	20,369	19,666
	35-44	23,164	22,175	23,335	23,610	22,522	21,672	11,238	21,490	17,511	17,200
	45-54	13,131	12,645	13,874	14,380	13,972	13,628	7,358	14,086	11,943	11,974
	55-64	8,811	7,990	8,624	8,490	7,969	7,428	4,087	7,433	6,598	6,683
	65-74	6,121	5,657	6,147	5,959	5,542	5,288	2,752	4,991	4,421	4,160
	>74	3,581	3,440	3,732	5,821	3,594	4,430	1,945	3,546	3,413	3,332
	Unknown	2,933	2,818	3,182	2,853	13,488	18,605	1,156	2,721	1,623	1,375
	Total	157,077	145,601	154,669	155,660	152,086	151,642	65,465	129,927	107,052	104,021

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 46: Persons Killed or Injured in Motor Vehicle Crashes by Age

STATE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED					
Indiana	<5	24	18	20	19	19	22	19	10	19	15
	5-9	19	28	19	19	19	26	18	24	18	12
	10-15	32	41	42	33	42	31	37	45	31	29
	16-20	162	170	143	139	156	133	182	155	157	158
	21-24	112	97	101	87	104	118	74	94	91	95
	25-34	239	199	174	172	164	159	167	164	148	179
	35-44	133	157	107	132	121	133	129	135	171	143
	45-54	83	86	76	85	105	106	110	102	95	137
	55-64	69	58	56	57	65	80	78	69	80	83
	65-74	80	84	78	61	82	63	83	62	75	61
	>74	80	79	85	79	92	75	88	77	91	105
	Unknown	11	5	4	8	8	13	1	3	6	6
	Total	1,044	1,022	905	891	977	959	986	940	982	1,023
						INJURED					
Indiana	<5	1,711	1,470	1,621	1,651	1,741	1,802	1,699	1,699	1,574	1,511
	5-9	2,626	2,457	2,587	2,537	2,578	2,765	2,568	2,803	2,747	2,454
	10-15	4,462	4,238	4,460	4,866	4,874	5,208	4,681	4,693	4,542	4,039
	16-20	14,371	12,961	13,543	14,419	14,785	15,705	14,998	15,756	15,406	14,588
	21-24	7,630	7,136	7,531	7,989	8,121	8,090	7,443	7,285	7,310	7,174
	25-34	14,528	13,464	13,924	14,073	14,238	14,300	14,223	13,777	13,089	12,295
	35-44	9,646	9,097	9,635	10,132	10,378	11,001	10,914	11,017	11,102	10,733
	45-54	5,349	5,102	5,678	6,219	6,442	6,947	7,082	7,457	7,629	7,390
	55-64	3,726	3,442	3,579	3,678	3,842	3,981	4,013	4,039	4,357	4,158
	65-74	2,871	2,785	2,836	2,925	3,053	3,020	2,972	3,093	3,008	2,823
	>74	1,797	1,833	1,941	2,018	2,002	2,110	2,249	2,256	2,294	2,295
	Unknown	3,748	3,234	6,870	7,228	8,279	7,995	6,863	6,603	6,463	6,271
	Total	72,465	67,219	74,205	77,735	80,333	82,924	79,705	80,478	79,521	75,731

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 46: Persons Killed or Injured in Motor Vehicle Crashes by Age

STATE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED					
Kansas	<5	8	5	9	7	9	7	2	6	10	14
	5-9	11	7	11	5	11	12	8	4	14	7
	10-15	22	23	22	18	17	16	30	21	21	29
	16-20	73	60	75	60	85	53	87	71	59	86
	21-24	46	42	31	35	41	46	55	33	49	44
	25-34	100	83	74	75	76	86	73	85	84	77
	35-44	44	55	54	55	48	50	65	82	84	82
	45-54	34	25	19	43	44	50	51	44	60	60
	55-64	36	34	27	34	26	36	28	31	27	40
	65-74	29	31	35	45	31	38	37	46	37	33
	>74	41	43	30	50	52	48	53	58	46	67
	Unknown	0	1	0	1	2	0	1	0	2	1
	Total	444	409	387	428	442	442	490	481	493	540
						INJURED					
Kansas	<5	787	778	778	721	700	736	761	743	698	722
	5-9	1,179	1,085	1,137	1,081	1,096	1,083	1,083	1,090	1,107	1,054
	10-15	2,217	2,093	2,333	2,309	2,516	2,435	2,602	2,462	2,361	2,212
	16-20	6,322	5,861	6,056	5,792	6,197	6,217	6,410	6,491	6,713	6,510
	21-24	3,305	3,083	3,344	3,281	3,167	3,079	3,021	3,038	3,085	3,025
	25-34	6,396	5,847	6,005	6,032	5,847	5,560	5,611	5,610	5,083	4,909
	35-44	3,978	3,931	4,086	4,436	4,297	4,523	4,782	4,771	4,768	4,523
	45-54	2,042	2,108	2,283	2,494	2,590	2,686	2,846	3,046	3,135	3,048
	55-64	1,535	1,500	1,496	1,520	1,522	1,609	1,573	1,661	1,606	1,814
	65-74	1,235	1,212	1,222	1,241	1,240	1,205	1,245	1,316	1,229	1,240
	>74	931	835	948	899	1,004	1,046	1,024	1,118	1,067	1,144
	Unknown	325	308	354	334	335	371	384	349	354	327
	Total	30,252	28,641	30,042	30,140	30,511	30,550	31,342	31,695	31,206	30,528

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 46: Persons Killed or Injured in Motor Vehicle Crashes by Age

STATE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED					
Maryland	<5	14	17	13	12	12	16	15	9	6	6
	5-9	6	14	17	9	20	16	17	16	13	7
	10-15	25	29	27	26	24	28	19	18	19	17
	16-20	115	101	79	75	80	91	77	70	81	107
	21-24	83	72	65	83	56	57	58	42	39	48
	25-34	168	149	156	142	135	131	102	115	105	96
	35-44	90	94	95	93	96	100	85	101	105	97
	45-54	61	68	66	59	83	67	69	65	68	73
	55-64	58	45	45	49	43	49	60	56	58	35
	65-74	57	53	59	49	51	66	45	38	40	45
	>74	49	64	41	68	54	58	67	72	63	66
	Unknown	1	3	1	7	3	4	0	7	9	1
	Total	727	709	664	672	657	683	614	609	606	598
						INJURED					
Maryland	<5	2,350	2,183	2,450	1,822	2,111	2,001	1,836	1,705	1,467	1,531
	5-9	2,863	2,690	2,835	2,167	2,412	2,409	2,507	2,305	2,096	1,984
	10-15	3,755	3,715	4,085	3,295	3,891	3,754	3,704	3,549	3,119	3,122
	16-20	12,187	10,754	11,181	9,166	9,936	10,134	10,193	10,106	9,486	9,448
	21-24	9,618	8,711	9,323	6,982	7,802	7,127	6,634	5,962	5,528	5,627
	25-34	20,633	18,622	19,948	15,313	16,778	15,799	15,450	13,994	12,322	11,853
	35-44	12,541	11,820	13,163	10,390	11,845	11,535	11,838	11,352	10,764	10,737
	45-54	6,959	6,674	7,546	6,069	7,148	6,946	7,223	7,163	6,876	7,072
	55-64	4,551	3,991	4,319	3,319	3,781	3,715	3,842	3,701	3,681	3,575
	65-74	2,966	2,734	3,010	2,505	2,584	2,562	2,526	2,485	2,316	2,311
	>74	1,417	1,433	1,529	1,399	1,541	1,572	1,727	1,665	1,647	1,684
	Unknown	1,286	1,062	1,218	1,248	1,493	1,574	1,662	1,566	1,294	1,209
	Total	81,126	74,389	80,607	63,675	71,322	69,128	69,142	65,553	60,596	60,153

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 46: Persons Killed or Injured in Motor Vehicle Crashes by Age

STATE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED					
Michigan	<5	27	32	32	19	41	31	40	17	22	26
	5-9	36	29	39	34	28	40	28	34	29	29
	10-15	51	66	61	57	66	56	69	46	56	50
	16-20	229	208	150	167	216	214	208	167	171	153
	21-24	178	137	141	150	144	149	125	103	117	129
	25-34	303	285	238	256	204	254	258	243	219	215
	35-44	226	209	154	203	199	239	211	173	213	230
	45-54	143	128	103	129	118	139	157	131	165	172
	55-64	124	80	83	80	84	99	88	86	99	100
	65-74	116	98	91	100	108	115	106	111	99	93
	>74	126	151	114	129	134	153	157	158	147	150
	Unknown	9	2	81	80	65	42	45	167	29	38
	Total	1,568	1,425	1,287	1,404	1,407	1,531	1,492	1,436	1,366	1,385
						INJURED					
Michigan	<5	3,134	2,945	1,865	2,319	2,572	2,613	2,507	1,989	2,032	1,952
	5-9	4,470	4,303	2,600	3,505	3,671	4,106	3,883	3,274	3,634	3,356
	10-15	8,247	7,611	5,317	6,969	7,770	7,759	7,531	6,245	6,280	6,322
	16-20	27,316	24,565	18,996	21,714	23,567	24,411	24,063	22,066	21,756	20,971
	21-24	16,318	15,116	12,024	13,949	14,495	14,442	13,411	11,941	11,539	11,477
	25-34	31,991	29,363	23,085	26,509	27,840	28,870	27,863	25,549	24,338	22,788
	35-44	21,606	20,595	17,175	20,363	22,449	23,373	22,792	21,638	20,948	20,319
	45-54	12,006	11,731	10,288	12,517	13,747	14,708	14,885	14,730	14,546	14,640
	55-64	8,096	7,711	6,195	7,300	7,755	7,971	7,797	7,548	7,660	7,597
	65-74	6,221	5,865	4,808	5,601	5,943	5,990	6,022	5,440	5,329	5,017
	>74	3,517	3,505	3,071	3,620	3,777	3,988	4,103	4,035	4,115	3,954
	Unknown	2,411	2,519	11,910	9,000	7,602	6,927	6,516	12,009	8,393	5,329
	Total	145,333	135,829	117,334	133,366	141,188	145,158	141,373	136,464	130,570	123,722

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 46: Persons Killed or Injured in Motor Vehicle Crashes by Age

STATE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED					
Missouri	<5	21	19	22	14	14	13	24	23	29	14
	5-9	35	9	18	23	21	20	15	14	26	16
	10-15	42	24	44	36	36	40	48	45	37	38
	16-20	188	191	134	158	221	177	183	179	174	182
	21-24	129	119	118	103	99	106	114	107	100	81
	25-34	221	214	192	181	177	225	200	192	187	159
	35-44	154	133	138	125	163	172	202	176	187	175
	45-54	80	80	84	88	105	105	91	136	131	143
	55-64	67	50	72	71	71	75	89	98	99	83
	65-74	77	73	80	73	77	79	82	85	87	82
	>74	82	97	80	78	103	95	99	136	112	120
	Unknown	1	2	3	4	2	2	1	1	0	1
	Total	1,097	1,011	985	954	1,089	1,109	1,148	1,192	1,169	1,094
						INJURED					
Missouri	<5	1,836	1,619	1,682	1,920	2,109	1,888	1,964	1,907	1,763	1,646
	5-9	2,473	2,326	2,415	2,689	2,762	2,787	2,924	2,897	2,599	2,576
	10-15	4,049	3,790	4,356	4,851	5,276	5,110	5,197	5,091	4,770	4,517
	16-20	13,935	13,012	13,461	14,394	15,504	15,757	16,023	15,807	15,909	15,799
	21-24	8,075	7,499	7,947	8,610	8,814	8,474	8,376	7,841	7,726	7,346
	25-34	16,135	14,810	14,759	15,963	16,379	15,983	16,082	15,346	14,657	14,236
	35-44	9,956	9,516	9,860	11,409	11,852	12,271	12,656	12,862	12,568	12,429
	45-54	5,683	5,370	5,807	6,843	7,066	7,473	8,027	8,304	8,366	8,210
	55-64	3,903	3,651	3,806	4,257	4,226	4,294	4,512	4,602	4,661	4,869
	65-74	2,993	2,916	3,011	3,245	3,360	3,438	3,353	3,295	3,294	3,281
	>74	1,966	1,915	2,065	2,226	2,359	2,384	2,417	2,585	2,576	2,452
	Unknown	1,487	1,274	1,381	1,124	1,336	1,258	1,165	1,031	870	943
	Total	72,491	67,698	70,550	77,531	81,043	81,117	82,696	81,568	79,759	78,304

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 46: Persons Killed or Injured in Motor Vehicle Crashes by Age

STATE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED					
New Mexico	<5	9	5	15	9	15	12	12	16	4	5
	5-9	18	6	12	7	6	12	9	9	10	8
	10-15	18	11	15	11	19	21	17	20	23	25
	16-20	94	65	46	63	56	80	80	57	51	66
	21-24	58	51	56	54	55	45	57	44	34	31
	25-34	130	98	106	106	94	96	83	94	88	84
	35-44	55	92	75	61	68	72	77	86	75	90
	45-54	48	43	49	44	48	57	49	61	43	51
	55-64	20	35	27	29	24	25	46	31	39	30
	65-74	28	27	25	20	23	40	18	36	27	40
	>74	17	32	25	24	33	19	30	27	30	25
	Unknown	4	4	8	2	3	5	1	1	0	5
	Total	499	469	459	430	444	484	479	482	424	460
						INJURED					
New Mexico	<5	629	586	655	624	693	754	682	664	592	510
	5-9	870	824	945	958	1,068	1,126	1,059	1,053	1,026	830
	10-15	1,757	1,815	1,910	2,124	2,350	2,320	2,391	2,296	2,061	1,729
	16-20	4,442	4,390	4,820	4,828	5,235	5,362	5,515	5,128	4,910	4,384
	21-24	2,588	2,647	2,910	3,030	3,171	3,172	3,012	2,770	2,596	2,230
	25-34	5,637	5,603	5,761	5,748	5,953	6,187	6,050	5,513	5,205	4,220
	35-44	3,777	3,807	4,246	4,303	4,599	4,778	4,957	4,779	4,598	3,838
	45-54	2,008	2,016	2,245	2,612	2,888	3,024	3,248	3,289	3,115	2,764
	55-64	1,278	1,381	1,451	1,492	1,522	1,731	1,772	1,746	1,647	1,554
	65-74	977	960	1,027	1,108	1,181	1,187	1,297	1,158	1,195	977
	>74	505	551	569	637	699	707	790	736	686	699
	Unknown	371	387	582	445	464	522	490	509	464	505
	Total	24,839	24,967	27,121	27,909	29,823	30,870	31,263	29,641	28,095	24,240

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 46: Persons Killed or Injured in Motor Vehicle Crashes by Age

STATE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
					KILLED						
North Carolina	<5	*	*	24	29	31	25	22	25	18	18
	5-9	*	*	23	29	43	22	39	34	27	27
	10-15	*	*	39	39	39	54	49	65	52	36
	16-20	*	*	183	190	209	193	194	198	203	196
	21-24	*	*	140	160	150	144	148	139	146	150
	25-34	*	*	224	250	253	275	290	246	284	270
	35-44	*	*	192	194	201	218	219	212	260	248
	45-54	*	*	136	133	149	150	149	177	182	167
	55-64	*	*	97	93	99	105	91	102	118	120
	65-74	*	*	98	117	113	108	123	115	125	118
	>74	*	*	102	117	124	138	138	143	158	147
	Unknown	*	*	4	25	10	9	15	5	9	9
	Total	*	*	1,262	1,376	1,421	1,441	1,477	1,461	1,582	1,506
					INJURED						
North Carolina	<5	*	*	2,521	2,808	2,869	3,072	2,993	2,825	2,774	2,688
	5-9	*	*	3,502	3,824	4,020	4,509	4,570	4,531	4,490	4,606
	10-15	*	*	6,172	6,768	7,082	7,507	7,618	7,396	7,069	6,884
	16-20	*	*	22,025	23,170	24,806	26,305	26,450	26,706	26,106	25,031
	21-24	*	*	15,540	16,274	16,954	17,465	17,240	16,581	16,270	16,627
	25-34	*	*	27,802	29,031	30,657	32,520	33,707	33,546	32,363	32,100
	35-44	*	*	19,054	20,113	21,988	23,661	24,401	25,725	25,388	26,190
	45-54	*	*	11,229	12,026	13,594	14,982	15,870	16,627	16,738	17,731
	55-64	*	*	7,113	7,272	8,007	8,298	8,718	8,970	9,224	9,663
	65-74	*	*	5,137	5,450	5,796	6,125	6,083	6,124	5,998	6,160
	>74	*	*	2,755	2,959	3,143	3,481	3,420	3,895	4,137	4,440
	Unknown	*	*	941	950	1,054	1,077	1,015	951	872	889
	Total	*	*	123,791	130,645	139,970	149,002	152,085	153,877	151,429	153,009

**Data not available.*

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 46: Persons Killed or Injured in Motor Vehicle Crashes by Age

STATE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED					
Ohio	<5	22	23	19	29	21	17	15	22	16	11
	5-9	25	30	29	27	29	31	31	31	43	22
	10-15	62	70	44	53	55	49	44	48	51	45
	16-20	252	255	222	258	195	230	209	211	214	244
	21-24	174	197	159	160	122	137	149	146	142	146
	25-34	371	350	292	267	229	239	240	239	252	229
	35-44	229	216	220	210	194	195	184	248	223	238
	45-54	138	144	133	136	139	129	167	159	148	175
	55-64	117	120	90	118	106	105	101	106	88	101
	65-74	121	112	100	97	113	99	115	96	104	90
	>74	119	117	127	117	164	122	132	130	135	125
	Unknown	6	2	5	7	1	4	8	3	7	4
	Total	1,636	1,636	1,440	1,479	1,368	1,357	1,395	1,439	1,423	1,430
						INJURED					
Ohio	<5	4,334	4,585	4,760	5,052	5,278	5,266	5,232	5,062	4,856	4,530
	5-9	5,972	6,239	6,570	6,795	6,793	7,226	7,477	7,250	7,072	6,626
	10-15	9,292	10,002	10,606	11,029	11,329	12,051	11,856	11,527	11,121	10,355
	16-20	37,379	35,013	35,134	35,474	36,068	38,773	39,210	39,418	38,993	36,821
	21-24	22,573	21,840	22,567	22,836	22,272	22,201	21,637	20,506	19,532	19,453
	25-34	45,860	42,913	43,442	42,821	41,722	43,060	44,013	41,872	38,458	36,850
	35-44	30,635	29,831	31,412	32,078	33,333	34,631	36,578	35,806	33,914	33,469
	45-54	17,055	16,307	18,128	19,473	20,542	21,905	23,395	23,765	23,285	23,439
	55-64	12,214	11,360	11,658	11,929	12,078	12,605	13,107	13,058	13,088	13,015
	65-74	8,435	8,530	8,977	9,168	9,487	9,561	10,039	9,669	9,216	8,853
	>74	4,334	4,801	4,938	5,298	5,919	6,021	7,570	6,268	6,518	6,443
	Unknown	14,649	5,482	5,443	4,258	4,291	4,424	3,932	6,176	5,152	5,202
	Total	212,732	196,903	203,635	206,211	209,112	217,724	224,046	220,377	211,205	205,056

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 46: Persons Killed or Injured in Motor Vehicle Crashes by Age

STATE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED					
Pennsylvania	<5	29	17	23	25	32	28	21	25	14	18
	5-9	37	27	25	31	26	21	33	30	31	35
	10-15	61	51	42	37	56	49	54	57	49	50
	16-20	228	246	188	162	159	196	187	230	241	241
	21-24	190	216	189	183	138	150	144	166	136	146
	25-34	329	329	332	304	273	273	251	261	218	234
	35-44	207	188	205	211	202	191	214	192	211	243
	45-54	131	121	105	149	148	154	165	159	168	172
	55-64	124	151	121	107	99	109	98	118	103	97
	65-74	143	144	146	125	141	140	118	149	105	119
	>74	162	167	165	193	161	166	184	169	205	192
	Unknown	5	4	4	3	5	3	1	6	5	2
	Total	1,646	1,661	1,545	1,530	1,440	1,480	1,470	1,562	1,486	1,549
						INJURED					
Pennsylvania	<5	3,041	2,790	2,912	2,875	2,741	2,871	2,679	2,604	2,534	2,451
	5-9	4,987	4,602	4,929	4,573	4,634	4,752	4,768	4,853	4,565	4,615
	10-15	7,373	7,016	7,236	7,260	7,463	7,524	7,439	7,864	7,281	7,254
	16-20	24,066	21,546	20,754	20,200	19,931	21,491	22,516	23,833	23,116	22,727
	21-24	16,526	14,945	15,141	14,637	14,068	13,582	13,191	12,807	12,381	12,945
	25-34	30,791	27,561	27,708	26,942	26,481	26,337	26,934	26,316	24,420	24,008
	35-44	19,366	18,135	19,120	19,182	19,883	20,300	20,973	21,253	20,649	21,052
	45-54	11,100	10,498	11,522	12,183	12,335	13,001	14,156	14,318	14,157	14,510
	55-64	8,634	7,747	7,770	7,549	7,646	7,703	7,802	7,984	8,163	8,243
	65-74	6,644	6,529	6,538	6,621	6,545	6,479	6,525	6,784	6,524	6,191
	>74	3,961	3,911	4,055	4,124	4,150	4,593	4,848	5,135	5,200	5,201
	Unknown	6,468	5,166	5,665	5,491	4,812	4,579	5,144	5,391	5,371	4,588
	Total	142,957	130,446	133,350	131,637	130,689	133,212	136,975	139,142	134,361	133,785

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 46: Persons Killed or Injured in Motor Vehicle Crashes by Age

STATE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED					
Texas	<5	73	101	86	80	96	73	96	94	87	86
	5-9	65	68	68	71	82	72	84	66	71	86
	10-15	113	107	101	126	111	125	145	130	141	119
	16-20	472	453	421	397	413	404	524	484	510	537
	21-24	371	419	403	361	364	320	371	329	333	346
	25-34	749	687	624	655	634	654	745	649	610	584
	35-44	487	417	481	502	521	526	627	599	604	614
	45-54	267	241	283	256	289	326	385	363	421	378
	55-64	231	186	192	186	230	218	240	245	258	265
	65-74	180	184	186	165	178	211	242	235	255	204
	>74	201	193	191	215	210	220	247	286	264	271
	Unknown	34	23	21	23	14	23	32	20	22	29
	Total	3,243	3,079	3,057	3,037	3,142	3,172	3,738	3,500	3,576	3,519
						INJURED					
Texas	<5	8,162	7,973	8,802	9,231	10,447	11,587	12,313	11,701	11,718	11,728
	5-9	9,863	9,670	10,948	11,221	12,172	13,001	13,956	13,973	13,353	13,243
	10-15	14,186	14,505	15,916	17,586	19,505	19,888	20,421	20,051	19,877	20,217
	16-20	43,970	42,986	43,468	46,193	51,026	52,377	54,675	54,603	57,150	57,848
	21-24	31,950	31,843	35,121	37,058	40,110	39,122	39,055	37,533	35,790	35,913
	25-34	63,609	62,402	65,976	69,520	75,136	75,068	77,708	74,314	70,798	68,701
	35-44	39,098	41,182	44,425	47,335	52,233	54,065	57,232	57,822	55,353	55,331
	45-54	20,158	21,498	23,991	26,094	29,360	31,153	34,313	35,586	35,567	36,510
	55-64	13,184	13,179	13,993	14,459	15,704	16,057	17,618	17,611	17,430	18,310
	65-74	9,076	9,111	9,798	10,297	10,767	10,945	11,766	11,785	11,226	11,112
	>74	5,441	5,622	6,110	6,095	6,521	6,978	7,683	7,589	7,295	7,681
	Unknown	3,866	3,459	3,477	3,802	3,856	4,018	3,655	3,729	3,104	2,854
	Total	262,563	263,430	282,025	298,891	326,837	334,259	350,395	346,297	338,661	339,448

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 46: Persons Killed or Injured in Motor Vehicle Crashes by Age

STATE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED					
Utah	<5	11	10	10	1	13	13	16	8	17	8
	5-9	8	8	7	13	6	13	11	14	10	7
	10-15	18	17	23	23	30	18	17	17	17	12
	16-20	62	43	42	59	74	59	54	79	65	60
	21-24	28	30	22	42	40	31	40	37	26	32
	25-34	38	56	50	42	59	46	54	51	39	54
	35-44	33	36	37	40	45	53	46	39	52	63
	45-54	12	23	26	26	16	29	25	43	38	40
	55-64	17	14	17	17	19	17	25	28	31	38
	65-74	17	14	19	18	21	23	19	21	17	23
	>74	26	20	16	23	20	23	21	30	35	23
	Unknown	2	0	0	0	0	0	0	0	3	0
	Total	272	271	269	304	343	325	328	367	350	360
						INJURED					
Utah	<5	676	667	668	698	700	735	803	754	711	775
	5-9	1,004	900	1,008	979	1,032	1,042	1,120	1,040	1,004	950
	10-15	1,825	1,744	2,096	2,176	2,239	2,238	2,280	2,204	2,033	1,945
	16-20	4,997	4,754	5,465	5,735	6,784	6,937	7,288	7,347	6,928	6,866
	21-24	2,670	2,460	2,876	3,123	3,229	3,265	3,481	3,615	3,643	3,726
	25-34	4,169	3,961	4,377	4,698	4,904	4,957	5,411	5,479	5,273	5,118
	35-44	2,870	2,647	3,110	3,413	3,616	3,612	3,989	4,147	4,095	3,933
	45-54	1,467	1,442	1,694	1,921	2,250	2,257	2,625	2,785	2,804	2,782
	55-64	979	937	1,071	1,146	1,242	1,226	1,431	1,471	1,382	1,504
	65-74	787	763	867	889	997	921	999	1,018	939	908
	>74	441	470	577	566	655	674	704	740	707	684
	Unknown	258	214	315	416	424	479	584	637	713	768
	Total	22,143	20,959	24,124	25,760	28,072	28,343	30,715	31,237	30,232	29,959

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 46: Persons Killed or Injured in Motor Vehicle Crashes by Age

STATE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED					
Virginia	<5	22	11	12	16	16	9	12	13	15	10
	5-9	21	18	12	19	9	13	14	11	16	6
	10-15	31	30	31	30	36	34	24	29	34	22
	16-20	193	148	129	103	148	142	120	143	109	113
	21-24	113	129	97	91	92	98	75	85	89	91
	25-34	246	191	149	180	177	156	173	168	152	146
	35-44	141	113	137	121	137	154	139	167	159	144
	45-54	89	75	77	82	93	98	98	119	106	106
	55-64	73	78	54	74	68	62	63	76	70	89
	65-74	73	62	53	70	69	65	69	70	72	57
	>74	57	74	82	78	68	63	71	89	104	80
	Unknown	12	9	6	11	12	6	13	11	8	13
	Total	1,071	938	839	875	925	900	871	981	934	877
						INJURED					
Virginia	<5	1,353	1,306	1,509	1,521	1,584	1,566	1,514	1,505	1,348	1,338
	5-9	2,125	2,061	2,193	2,214	2,453	2,458	2,509	2,447	2,348	2,183
	10-15	3,530	3,330	3,931	4,017	4,387	4,359	4,118	4,102	4,024	3,970
	16-20	14,429	12,775	13,346	13,378	14,166	14,431	14,245	14,680	14,248	14,568
	21-24	9,757	8,928	9,561	9,509	9,624	9,248	8,706	8,323	8,153	8,190
	25-34	18,340	16,716	17,616	17,592	18,233	17,902	17,992	16,975	16,326	15,772
	35-44	11,217	10,656	11,637	12,219	12,810	13,140	13,536	13,666	13,687	13,893
	45-54	6,140	5,751	6,733	7,196	8,024	8,243	8,691	8,901	9,070	9,328
	55-64	3,990	3,832	4,068	4,159	4,372	4,453	4,504	4,627	5,031	5,202
	65-74	2,741	2,799	2,927	2,895	3,094	3,155	3,080	3,059	3,336	3,268
	>74	1,527	1,503	1,528	1,667	1,847	1,902	1,944	2,072	2,066	2,208
	Unknown	1,287	1,242	1,285	1,485	1,552	1,543	1,524	1,505	1,584	1,284
	Total	76,436	70,899	76,334	77,852	82,146	82,400	82,363	81,862	81,221	81,204

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 46: Persons Killed or Injured in Motor Vehicle Crashes by Age

STATE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
					KILLED						
Washington	<5	17	8	10	10	15	10	6	*	*	*
	5-9	17	13	16	7	15	10	12	*	*	*
	10-15	25	30	18	25	23	27	25	*	*	*
	16-20	120	103	76	116	85	82	91	*	*	*
	21-24	106	83	90	80	69	67	80	*	*	*
	25-34	199	151	131	133	127	124	148	*	*	*
	35-44	121	87	99	91	94	125	131	*	*	*
	45-54	73	48	51	65	75	66	67	*	*	*
	55-64	41	45	33	35	38	37	41	*	*	*
	65-74	35	54	59	40	40	35	44	*	*	*
	>74	66	55	63	50	54	67	61	*	*	*
	Unknown	5	6	5	9	4	4	6	*	*	*
	Total	825	683	651	661	639	654	712	*	*	*
					INJURED						
Washington	<5	1,223	1,218	1,278	1,271	1,362	1,278	1,270	*	*	*
	5-9	2,158	1,986	2,076	1,987	2,187	2,348	2,232	*	*	*
	10-15	3,505	3,364	3,728	3,738	4,140	4,262	4,009	*	*	*
	16-20	13,043	11,817	12,392	11,979	13,283	13,771	13,378	*	*	*
	21-24	8,709	8,561	8,946	8,942	8,931	8,655	8,522	*	*	*
	25-34	18,155	16,559	17,194	17,224	17,683	18,213	17,567	*	*	*
	35-44	12,360	12,074	12,838	13,009	14,061	14,655	14,959	*	*	*
	45-54	6,444	6,352	6,953	7,454	8,508	9,176	9,760	*	*	*
	55-64	3,727	3,517	3,787	3,746	4,031	4,364	4,425	*	*	*
	65-74	2,648	2,585	2,621	2,631	2,695	2,774	2,702	*	*	*
	>74	1,499	1,588	1,595	1,728	1,763	1,941	2,005	*	*	*
	Unknown	2,592	2,381	2,393	2,616	2,775	2,796	2,951	*	*	*
	Total	76,063	72,002	75,801	76,325	81,419	84,233	83,780	*	*	

**Data not available.*

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 47: Pedestrians Killed or Injured in Motor Vehicle Crashes by Age

STATE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED					
California	<5	62	40	43	55	50	37	37	34	19	46
	5-9	60	57	44	49	57	46	26	35	23	16
	10-15	34	33	18	45	25	41	33	23	21	29
	16-20	45	47	48	45	31	31	35	43	37	40
	21-24	67	56	38	52	46	31	38	29	36	39
	25-34	170	157	107	135	116	104	99	94	75	94
	35-44	126	109	104	113	119	117	120	112	103	102
	45-54	82	72	75	78	92	113	101	92	94	90
	55-64	77	72	65	70	75	76	70	83	78	59
	65-74	86	74	85	62	78	83	92	83	71	67
	>74	127	100	83	101	110	100	98	124	108	84
	Unknown	66	72	63	57	54	55	46	30	33	22
	Total	1,002	889	773	862	853	834	795	782	698	688
						INJURED					
California	<5	1,590	1,515	1,520	1,494	1,362	1,372	1,294	1,084	992	904
	5-9	2,697	2,575	2,389	2,307	2,220	2,113	2,014	1,844	1,811	1,642
	10-15	2,267	2,096	2,079	2,092	2,144	2,176	2,223	2,114	1,950	2,007
	16-20	1,524	1,489	1,356	1,286	1,316	1,253	1,369	1,317	1,304	1,313
	21-24	1,272	1,169	1,117	1,062	926	878	841	811	787	791
	25-34	3,172	2,953	2,600	2,569	2,444	2,446	2,253	2,067	1,930	1,890
	35-44	2,098	2,108	2,095	2,127	2,109	2,036	2,194	1,997	2,028	1,923
	45-54	1,194	1,123	1,174	1,241	1,327	1,371	1,411	1,387	1,536	1,526
	55-64	886	836	744	819	810	867	866	818	860	896
	65-74	774	706	662	711	749	701	784	757	733	680
	>74	691	608	573	624	650	589	609	629	599	640
	Unknown	245	188	170	176	236	205	153	163	130	134
	Total	18,410	17,366	16,479	16,508	16,293	16,007	16,011	14,988	14,660	14,346

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 47: Pedestrians Killed or Injured in Motor Vehicle Crashes by Age

STATE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED					
Florida	<5	15	18	15	11	13	12	10	7	11	8
	5-9	28	25	23	16	16	14	19	10	11	19
	10-15	21	23	21	24	19	24	25	22	17	21
	16-20	24	21	22	22	27	24	14	29	23	23
	21-24	28	28	16	20	29	26	28	21	26	20
	25-34	92	71	77	72	73	80	71	79	73	56
	35-44	80	83	62	85	106	98	113	94	111	94
	45-54	69	44	55	59	47	80	68	67	86	88
	55-64	52	41	44	39	38	58	51	51	52	56
	65-74	60	44	58	41	57	45	65	55	42	43
	>74	90	79	80	77	80	77	73	72	73	55
	Unknown	38	29	18	36	23	26	22	28	23	18
	Total	597	506	491	502	528	564	559	535	548	501
						INJURED					
Florida	<5	479	507	512	433	446	354	354	323	237	254
	5-9	840	832	787	740	783	760	782	674	682	605
	10-15	826	865	871	969	962	966	953	937	1,047	932
	16-20	734	647	683	687	715	694	667	722	757	652
	21-24	528	543	500	526	507	473	489	434	413	409
	25-34	1,356	1,255	1,228	1,249	1,365	1,228	1,141	1,075	1,087	993
	35-44	913	962	941	1,112	1,132	1,128	1,258	1,240	1,235	1,139
	45-54	523	538	611	631	667	707	700	787	792	786
	55-64	495	408	444	446	484	480	463	482	523	513
	65-74	456	473	436	437	466	427	470	401	449	446
	>74	531	507	487	464	469	480	509	456	481	497
	Unknown	432	446	517	395	313	338	268	263	371	310
	Total	8,113	7,983	8,017	8,089	8,309	8,035	8,054	7,794	8,074	7,536

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 47: Pedestrians Killed or Injured in Motor Vehicle Crashes by Age

STATE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED					
Georgia	<5	14	8	6	12	11	8	16	8	5	*
	5-9	10	11	14	7	3	6	12	13	2	*
	10-15	5	9	7	7	7	9	7	7	3	*
	16-20	7	7	14	9	8	3	11	12	12	*
	21-24	6	6	4	6	4	13	12	8	5	*
	25-34	34	27	28	36	33	37	19	24	27	*
	35-44	25	33	38	42	27	30	30	32	33	*
	45-54	25	20	18	18	27	21	15	38	32	*
	55-64	19	9	17	17	14	11	20	19	16	*
	65-74	16	14	10	13	7	10	11	9	8	*
	>74	15	15	15	11	15	14	5	13	13	*
	Unknown	1	2	2	10	10	7	4	5	6	*
	Total	177	161	173	188	166	169	162	188	162	*
						INJURED					
Georgia	<5	122	133	130	153	135	136	192	171	99	*
	5-9	353	314	378	345	273	265	269	302	189	*
	10-15	308	318	334	315	322	327	343	350	241	*
	16-20	194	186	190	186	190	219	222	222	186	*
	21-24	152	142	145	150	160	138	154	180	122	*
	25-34	361	375	399	376	356	384	372	389	289	*
	35-44	259	275	277	316	268	322	348	360	261	*
	45-54	156	131	146	166	167	186	225	244	166	*
	55-64	89	97	80	75	92	87	103	106	65	*
	65-74	67	56	63	60	54	53	58	68	49	*
	>74	50	48	48	47	97	38	53	44	20	*
	Unknown	227	216	199	187	156	171	192	129	111	*
	Total	2,338	2,291	2,389	2,376	2,270	2,326	2,531	2,565	1,798	*

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 47: Pedestrians Killed or Injured in Motor Vehicle Crashes by Age

STATE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED					
Illinois	<5	7	14	9	10	9	14	1	3	10	9
	5-9	18	14	13	15	13	11	3	11	9	7
	10-15	15	14	8	12	17	19	5	15	7	9
	16-20	16	12	11	14	19	10	5	11	16	8
	21-24	17	11	4	8	14	12	5	8	8	9
	25-34	33	40	29	26	35	33	16	23	27	17
	35-44	31	35	35	33	34	42	22	36	27	32
	45-54	31	19	23	27	25	19	12	20	29	26
	55-64	25	13	19	17	12	13	11	21	13	13
	65-74	34	21	14	27	15	13	7	24	21	17
	>74	40	27	22	23	35	28	9	28	22	29
	Unknown	6	3	3	1	9	0	0	0	0	0
	Total	273	223	190	213	237	214	96	200	189	176
						INJURED					
Illinois	<5	505	480	458	357	297	271	12	246	102	96
	5-9	1,651	1,586	1,532	1,226	937	762	67	754	307	283
	10-15	1,457	1,406	1,431	1,257	1,071	894	188	829	494	445
	16-20	988	866	848	715	583	498	89	482	277	264
	21-24	619	607	580	509	409	343	68	286	127	132
	25-34	1,592	1,519	1,398	1,199	993	796	154	700	311	284
	35-44	1,119	1,073	1,063	960	757	767	163	710	319	304
	45-54	623	616	634	548	484	450	112	454	213	217
	55-64	482	463	432	369	266	269	63	256	121	104
	65-74	355	324	315	277	252	216	45	171	96	80
	>74	317	289	286	381	179	200	60	140	85	80
	Unknown	432	373	330	484	226	141	16	148	25	39
	Total	10,140	9,602	9,307	8,282	6,454	5,607	1,037	5,176	2,477	2,328

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 47: Pedestrians Killed or Injured in Motor Vehicle Crashes by Age

STATE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED					
Indiana	<5	4	5	7	6	4	7	1	2	5	4
	5-9	5	7	5	5	9	9	3	8	2	2
	10-15	7	6	9	4	7	4	4	5	3	1
	16-20	4	10	5	4	5	2	9	7	8	2
	21-24	6	0	3	0	4	3	3	2	0	3
	25-34	18	11	13	11	7	9	14	10	9	15
	35-44	14	7	7	12	9	14	13	11	17	10
	45-54	9	11	4	6	11	11	12	12	8	13
	55-64	10	4	3	5	7	7	7	8	7	7
	65-74	6	18	8	3	8	4	7	4	5	2
	>74	13	6	9	6	11	5	5	5	7	7
	Unknown	3	2	2	2	2	1	0	1	1	0
	Total	99	87	75	64	84	76	78	75	72	66
						INJURED					
Indiana	<5	167	153	150	162	143	143	137	132	111	126
	5-9	408	415	416	339	325	357	304	323	292	251
	10-15	393	339	354	353	340	392	343	300	292	286
	16-20	224	214	237	217	247	235	220	249	222	240
	21-24	129	129	130	136	128	126	119	150	125	127
	25-34	296	272	285	271	243	260	283	264	235	242
	35-44	226	192	193	196	219	243	244	207	240	240
	45-54	121	102	118	123	134	145	158	164	153	172
	55-64	91	82	97	76	74	76	80	82	96	111
	65-74	93	75	64	70	70	63	69	62	70	75
	>74	73	44	58	75	60	56	56	47	59	62
	Unknown	132	135	99	110	113	133	143	143	132	142
	Total	2,353	2,152	2,201	2,128	2,096	2,229	2,156	2,123	2,027	2,074

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 47: Pedestrians Killed or Injured in Motor Vehicle Crashes by Age

STATE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED					
Kansas	<5	2	1	2	0	0	3	0	0	2	1
	5-9	3	2	2	0	1	4	2	0	2	1
	10-15	1	0	2	1	0	0	2	3	3	2
	16-20	3	0	5	0	0	3	1	3	1	4
	21-24	1	1	0	0	1	4	3	3	5	1
	25-34	5	4	1	7	5	6	2	6	6	9
	35-44	7	2	2	8	2	1	2	3	8	3
	45-54	5	0	1	4	1	6	2	2	3	6
	55-64	2	4	2	3	2	4	1	1	2	3
	65-74	2	1	2	1	3	4	2	3	0	1
	>74	3	5	2	2	6	4	3	4	1	2
	Unknown	0	0	0	0	1	0	0	0	0	0
	Total	34	20	21	26	22	39	20	28	33	33
						INJURED					
Kansas	<5	45	66	53	38	44	45	48	43	27	39
	5-9	139	123	137	104	110	102	114	87	83	78
	10-15	132	108	136	139	120	138	144	110	109	102
	16-20	85	70	82	82	100	83	79	69	67	64
	21-24	40	48	46	48	41	51	39	28	30	42
	25-34	98	97	88	105	69	66	86	67	67	53
	35-44	60	77	61	75	62	81	79	69	72	55
	45-54	33	29	30	34	43	53	52	42	46	39
	55-64	23	26	27	29	27	29	25	17	16	20
	65-74	16	12	16	18	13	17	14	18	15	21
	>74	23	23	22	14	24	18	18	18	15	20
	Unknown	9	10	17	11	12	13	20	18	18	13
	Total	703	689	715	697	665	696	718	586	565	546

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 47: Pedestrians Killed or Injured in Motor Vehicle Crashes by Age

STATE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED					
Maryland	<5	7	5	5	3	2	3	4	3	2	2
	5-9	3	6	8	2	11	9	6	9	4	4
	10-15	9	5	8	8	7	10	7	2	3	4
	16-20	11	10	5	6	6	6	6	5	4	13
	21-24	7	12	4	5	6	5	9	4	2	6
	25-34	23	20	25	29	23	23	13	16	11	11
	35-44	26	23	14	18	23	27	21	25	27	28
	45-54	12	18	10	14	20	13	19	18	11	16
	55-64	11	11	5	14	6	10	10	9	13	8
	65-74	11	11	7	11	7	11	13	4	6	10
	>74	15	19	6	12	11	9	15	6	16	17
	Unknown	0	2	1	1	1	2	0	3	2	0
	Total	135	142	98	123	123	128	123	104	101	119
						INJURED					
Maryland	<5	176	180	153	98	146	114	119	97	98	91
	5-9	554	524	488	341	352	358	382	319	341	302
	10-15	487	537	536	414	556	479	469	461	410	408
	16-20	317	290	272	231	256	278	281	300	252	278
	21-24	264	242	244	170	215	211	211	174	173	183
	25-34	677	631	638	456	586	535	513	412	385	417
	35-44	417	366	459	359	431	430	471	430	413	432
	45-54	201	232	196	159	221	224	255	268	243	273
	55-64	136	121	156	108	115	118	126	125	141	141
	65-74	119	116	114	71	96	110	114	94	101	99
	>74	63	84	75	65	59	67	80	83	92	80
	Unknown	136	109	109	72	118	94	105	111	105	82
	Total	3,547	3,432	3,440	2,544	3,151	3,018	3,126	2,874	2,754	2,786

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 47: Pedestrians Killed or Injured in Motor Vehicle Crashes by Age

STATE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED					
Michigan	<5	12	9	9	2	12	4	7	2	7	10
	5-9	14	5	14	9	9	13	11	13	12	18
	10-15	19	14	9	9	12	11	12	11	13	8
	16-20	6	15	9	7	17	10	11	9	9	6
	21-24	17	9	10	12	11	15	5	8	4	6
	25-34	37	30	22	33	21	27	26	27	22	25
	35-44	37	30	18	35	29	42	34	32	30	36
	45-54	16	14	14	20	11	19	34	25	20	31
	55-64	19	17	12	6	14	15	22	6	15	15
	65-74	19	12	13	17	15	15	12	17	14	8
	>74	28	24	20	15	23	13	14	14	25	12
	Unknown	2	1	19	6	7	7	2	1	1	0
	Total	226	180	169	171	181	191	190	165	172	175
						INJURED					
Michigan	<5	226	250	143	146	180	179	189	142	174	132
	5-9	585	553	327	379	464	435	448	440	470	386
	10-15	673	662	348	537	656	643	613	618	536	569
	16-20	457	405	209	289	344	343	345	373	384	313
	21-24	273	224	133	162	219	208	178	169	162	158
	25-34	607	552	256	377	432	431	417	377	390	353
	35-44	508	412	194	317	423	441	414	369	446	397
	45-54	215	206	112	190	243	242	263	238	277	303
	55-64	157	130	77	109	131	112	117	113	132	148
	65-74	164	124	56	91	95	112	112	105	82	116
	>74	126	108	51	64	79	91	87	84	93	75
	Unknown	48	56	177	149	236	236	200	154	162	145
	Total	4,039	3,682	2,083	2,810	3,502	3,473	3,383	3,182	3,308	3,095

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 47: Pedestrians Killed or Injured in Motor Vehicle Crashes by Age

STATE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED					
Missouri	<5	4	6	7	3	1	1	5	5	6	3
	5-9	5	4	4	9	8	3	1	3	3	1
	10-15	3	3	8	5	2	4	2	7	6	2
	16-20	8	5	4	6	4	7	7	8	7	5
	21-24	5	6	6	8	2	6	7	7	7	2
	25-34	19	13	6	19	15	21	22	15	19	4
	35-44	15	9	16	13	17	13	13	12	16	14
	45-54	11	5	11	6	17	8	11	13	13	15
	55-64	6	7	8	9	6	7	8	8	5	4
	65-74	5	3	7	11	5	11	8	6	9	7
	>74	19	12	9	13	9	13	12	17	10	8
	Unknown	1	0	1	1	0	0	1	0	0	0
	Total	101	73	87	103	86	94	97	101	101	65
						INJURED					
Missouri	<5	166	127	121	147	132	106	112	95	92	69
	5-9	379	353	340	311	308	297	280	272	254	259
	10-15	301	311	326	332	293	291	282	278	260	260
	16-20	222	233	166	207	203	194	194	208	200	226
	21-24	124	144	156	124	159	111	126	117	108	108
	25-34	375	331	313	307	308	267	266	275	251	232
	35-44	234	204	227	238	263	252	258	253	267	264
	45-54	110	113	125	119	120	129	155	158	194	153
	55-64	79	69	70	90	61	62	75	65	105	101
	65-74	73	62	83	64	64	54	55	50	58	70
	>74	68	61	61	52	61	64	53	67	57	44
	Unknown	60	59	50	56	51	75	59	56	46	55
	Total	2,191	2,067	2,038	2,047	2,023	1,902	1,915	1,894	1,892	1,841

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 47: Pedestrians Killed or Injured in Motor Vehicle Crashes by Age

STATE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED					
New Mexico	<5	2	1	4	3	2	0	2	0	2	1
	5-9	4	2	1	3	0	3	0	1	2	1
	10-15	2	2	3	1	5	2	1	1	1	1
	16-20	15	6	7	6	5	7	4	3	4	3
	21-24	3	6	9	5	5	7	4	3	3	4
	25-34	27	21	21	16	11	23	14	14	13	14
	35-44	10	17	15	9	16	19	13	17	12	10
	45-54	12	8	14	7	12	11	5	8	11	8
	55-64	4	13	1	7	7	5	9	9	4	1
	65-74	2	7	4	5	5	7	4	4	2	5
	>74	0	6	8	4	3	4	6	6	4	4
	Unknown	2	2	3	1	1	0	0	0	0	0
	Total	83	91	90	67	72	88	62	66	58	52
						INJURED					
New Mexico	<5	32	24	36	25	36	28	22	31	22	15
	5-9	69	70	50	65	67	56	38	52	51	41
	10-15	90	94	95	92	111	101	83	78	51	69
	16-20	67	47	39	76	50	49	57	53	44	50
	21-24	34	40	33	40	27	37	21	30	28	26
	25-34	96	100	106	101	90	82	88	90	69	55
	35-44	77	64	89	74	85	87	102	91	89	57
	45-54	44	34	50	47	58	43	66	42	47	51
	55-64	18	28	24	31	28	31	23	25	25	15
	65-74	13	19	29	20	19	24	24	27	17	14
	>74	15	13	11	15	15	13	24	19	12	9
	Unknown	51	31	40	26	17	26	17	31	10	18
	Total	606	564	602	612	603	577	565	569	465	420

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 47: Pedestrians Killed or Injured in Motor Vehicle Crashes by Age

STATE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED					
North Carolina	<5	*	*	8	8	10	7	5	6	5	2
	5-9	*	*	10	10	11	6	11	13	4	7
	10-15	*	*	4	10	5	11	6	10	9	3
	16-20	*	*	10	7	13	12	6	11	16	4
	21-24	*	*	11	9	7	9	9	8	14	9
	25-34	*	*	38	39	30	30	34	22	28	24
	35-44	*	*	38	34	32	46	40	37	43	51
	45-54	*	*	17	17	34	24	16	26	33	25
	55-64	*	*	14	16	16	17	15	14	17	11
	65-74	*	*	11	13	13	13	11	12	11	12
	>74	*	*	15	17	17	24	19	22	22	13
	Unknown	*	*	2	2	1	0	1	0	0	1
	Total	*	*	178	182	189	199	173	181	202	162
						INJURED					
North Carolina	<5	*	*	109	118	121	110	95	78	72	50
	5-9	*	*	241	229	207	201	241	172	137	115
	10-15	*	*	247	266	264	291	279	177	171	171
	16-20	*	*	225	277	269	278	292	258	276	221
	21-24	*	*	207	214	204	175	165	210	194	178
	25-34	*	*	453	473	480	438	419	446	433	394
	35-44	*	*	293	368	395	388	388	430	446	350
	45-54	*	*	161	176	201	182	235	262	255	226
	55-64	*	*	109	107	117	101	105	102	135	116
	65-74	*	*	84	92	102	77	87	89	73	69
	>74	*	*	66	60	66	74	73	142	185	166
	Unknown	*	*	40	24	44	42	25	13	3	4
	Total	*	*	2,235	2,404	2,470	2,357	2,404	2,379	2,380	2,060

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 47: Pedestrians Killed or Injured in Motor Vehicle Crashes by Age

STATE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
					KILLED						
Ohio	<5	9	7	5	16	10	5	3	7	4	2
	5-9	14	8	13	10	8	11	11	9	17	9
	10-15	14	17	7	13	15	9	5	11	7	8
	16-20	5	14	11	10	3	3	8	2	6	4
	21-24	13	16	11	3	5	7	4	7	8	12
	25-34	33	22	21	23	14	14	15	17	19	15
	35-44	21	21	18	22	14	16	21	23	19	27
	45-54	18	17	21	16	12	11	18	14	13	11
	55-64	16	16	14	12	14	12	9	16	11	7
	65-74	25	14	15	14	13	16	13	11	17	6
	>74	28	18	15	18	19	13	15	10	16	22
	Total	196	170	151	157	127	117	122	127	137	123
					INJURED						
Ohio	<5	286	269	307	294	285	265	234	220	192	154
	5-9	957	821	867	798	759	739	757	710	654	502
	10-15	802	771	848	817	827	790	863	775	680	604
	16-20	498	495	412	446	453	468	454	404	418	423
	21-24	308	301	305	262	233	255	262	239	221	190
	25-34	684	615	612	605	561	467	518	466	454	434
	35-44	447	444	470	483	477	461	498	472	452	430
	45-54	259	218	266	263	290	288	310	323	325	347
	55-64	221	186	152	175	164	165	176	144	170	162
	65-74	183	170	139	152	155	152	140	137	121	103
	>74	143	133	122	120	132	109	163	112	104	102
	Unknown	182	124	102	100	122	85	105	114	105	105
	Total	4,970	4,547	4,602	4,515	4,458	4,244	4,480	4,116	3,896	3,556

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 47: Pedestrians Killed or Injured in Motor Vehicle Crashes by Age

STATE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED					
Pennsylvania	<5	16	6	7	9	12	8	8	6	5	7
	5-9	20	19	12	14	12	11	16	14	6	16
	10-15	12	18	14	8	18	13	13	12	11	5
	16-20	11	12	9	5	4	10	7	5	9	11
	21-24	10	10	14	12	5	8	7	8	7	11
	25-34	31	27	41	29	23	16	17	17	16	15
	35-44	31	22	22	31	13	26	29	22	17	31
	45-54	24	23	17	20	16	29	34	14	23	19
	55-64	21	26	25	15	15	8	23	20	10	14
	65-74	36	26	32	18	24	25	24	24	20	20
	>74	53	45	36	52	35	44	40	33	41	37
	Unknown	2	0	2	1	2	0	0	0	1	1
	Total	267	234	231	214	179	198	218	175	166	187
						INJURED					
Pennsylvania	<5	377	415	396	431	387	395	317	344	327	296
	5-9	1,202	1,149	1,221	1,065	1,048	1,046	983	948	916	1,026
	10-15	964	945	1,110	1,007	1,028	1,004	960	1,007	938	918
	16-20	554	538	563	520	505	538	533	549	521	481
	21-24	432	383	415	371	388	354	277	312	305	322
	25-34	942	845	829	793	832	812	767	682	712	654
	35-44	587	578	651	627	684	686	651	693	701	718
	45-54	395	336	394	372	404	435	445	467	503	525
	55-64	334	274	303	256	284	263	273	279	286	278
	65-74	297	332	288	270	262	259	268	284	231	230
	>74	301	275	248	272	267	217	250	287	264	243
	Unknown	298	213	190	183	184	210	179	188	197	162
	Total	6,683	6,283	6,608	6,167	6,273	6,219	5,903	6,040	5,901	5,853

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 47: Pedestrians Killed or Injured in Motor Vehicle Crashes by Age

STATE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED					
Texas	<5	17	27	20	17	21	20	24	20	22	6
	5-9	26	21	21	18	26	17	27	12	13	14
	10-15	19	23	21	27	14	26	24	16	23	12
	16-20	41	39	41	29	24	28	33	30	33	30
	21-24	31	47	44	30	34	35	30	34	22	21
	25-34	111	117	94	91	91	73	61	82	69	62
	35-44	79	66	96	96	79	85	84	86	84	77
	45-54	36	48	50	34	46	52	58	57	54	71
	55-64	53	47	42	33	29	40	31	38	37	55
	65-74	27	27	35	32	19	38	25	35	49	25
	>74	36	42	37	34	38	36	36	27	44	37
	Unknown	14	10	13	14	7	11	14	8	15	22
	Total	490	514	514	455	428	461	447	445	465	432
						INJURED					
Texas	<5	418	393	422	446	428	427	411	335	361	303
	5-9	871	825	887	833	816	736	751	786	715	606
	10-15	767	739	777	849	820	798	787	785	737	736
	16-20	630	532	549	509	528	565	597	572	577	464
	21-24	412	354	379	325	381	364	304	343	333	290
	25-34	949	868	810	851	833	786	789	787	775	666
	35-44	551	593	640	693	675	619	686	736	737	627
	45-54	283	262	345	323	387	401	421	493	456	521
	55-64	208	224	206	205	206	231	229	240	199	220
	65-74	158	161	146	166	166	192	184	182	163	154
	>74	106	111	102	110	121	119	85	115	118	117
	Unknown	311	256	250	264	235	170	163	180	152	115
	Total	5,664	5,318	5,513	5,574	5,596	5,408	5,407	5,554	5,323	4,819

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 47: Pedestrians Killed or Injured in Motor Vehicle Crashes by Age

STATE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
					KILLED						
Utah	<5	5	3	4	0	3	4	3	1	5	3
	5-9	4	3	4	5	4	3	3	4	3	3
	10-15	5	2	4	5	9	6	3	4	4	4
	16-20	4	1	4	2	3	5	0	6	5	1
	21-24	3	0	3	1	0	2	3	4	0	4
	25-34	1	3	3	3	3	6	2	6	1	6
	35-44	2	1	5	6	5	6	6	1	6	4
	45-54	0	6	4	4	7	5	7	4	8	3
	55-64	3	4	3	1	3	2	4	1	3	6
	65-74	2	3	3	1	2	1	1	3	2	1
	>74	3	5	5	3	4	6	3	5	6	3
	Unknown	0	0	0	0	0	0	0	0	1	0
	Total	32	31	42	31	43	46	35	39	44	38
					INJURED						
Utah	<5	48	73	53	60	56	66	54	54	31	44
	5-9	168	132	149	132	133	109	140	108	95	97
	10-15	238	166	211	229	209	175	224	193	159	143
	16-20	111	82	86	92	109	82	118	137	112	100
	21-24	59	45	47	42	59	34	57	68	41	50
	25-34	100	82	100	85	106	67	109	91	101	67
	35-44	64	52	82	90	68	57	97	88	85	85
	45-54	34	33	44	42	55	44	54	65	67	64
	55-64	27	31	22	24	24	22	35	27	30	39
	65-74	15	14	16	12	19	22	25	21	22	29
	>74	22	19	19	13	19	12	21	19	14	12
	Unknown	12	12	18	17	15	11	26	17	17	18
	Total	898	741	847	838	872	701	960	888	774	748

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 47: Pedestrians Killed or Injured in Motor Vehicle Crashes by Age

STATE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
					KILLED						
Virginia	<5	7	4	0	4	2	2	4	2	3	1
	5-9	6	7	1	2	2	4	6	2	4	1
	10-15	3	9	5	8	7	3	4	2	4	1
	16-20	10	7	3	1	7	1	5	6	7	4
	21-24	6	8	7	6	4	4	8	4	4	4
	25-34	24	26	15	16	18	18	16	13	16	15
	35-44	19	14	18	15	16	22	13	21	24	18
	45-54	15	13	13	10	11	11	18	12	10	14
	55-64	11	9	7	22	8	6	14	5	10	14
	65-74	9	7	7	9	15	10	12	8	8	5
	>74	6	8	15	14	9	12	13	14	12	8
	Unknown	0	0	2	5	2	0	1	1	0	2
	Total	116	112	93	112	101	93	114	90	102	87
					INJURED						
Virginia	<5	101	99	99	115	107	98	81	83	76	83
	5-9	278	219	254	239	221	224	225	200	181	195
	10-15	287	216	241	268	275	262	258	272	282	232
	16-20	242	209	201	194	229	243	255	215	200	250
	21-24	196	160	181	146	148	153	133	153	141	128
	25-34	421	366	351	367	369	341	392	363	318	309
	35-44	284	220	263	290	305	308	312	342	306	354
	45-54	154	129	143	169	184	184	185	194	224	224
	55-64	94	89	90	95	97	94	105	109	109	100
	65-74	74	71	68	74	74	75	59	48	75	92
	>74	56	65	58	58	56	63	77	54	63	72
	Unknown	33	26	37	39	36	38	27	26	29	29
	Total	2,220	1,869	1,986	2,054	2,101	2,083	2,109	2,059	2,004	2,068

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 47: Pedestrians Killed or Injured in Motor Vehicle Crashes by Age

STATE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED					
Washington	<5	3	1	2	2	2	3	0	*	*	*
	5-9	7	6	4	3	5	3	3	*	*	*
	10-15	2	9	3	6	7	2	3	*	*	*
	16-20	3	6	4	8	4	1	6	*	*	*
	21-24	5	3	5	2	2	6	3	*	*	*
	25-34	9	11	7	15	14	11	16	*	*	*
	35-44	7	8	13	9	10	16	22	*	*	*
	45-54	11	5	10	8	8	5	5	*	*	*
	55-64	6	7	8	7	11	7	9	*	*	*
	65-74	11	9	8	10	12	5	6	*	*	*
	>74	17	13	17	9	10	16	17	*	*	*
	Unknown	0	1	0	1	0	0	0	*	*	*
	Total	81	79	81	80	85	75	90	*	*	*
						INJURED					
Washington	<5	67	96	112	73	80	81	65	*	*	*
	5-9	225	217	194	182	188	172	192	*	*	*
	10-15	275	273	266	279	324	296	329	*	*	*
	16-20	192	166	177	165	201	220	203	*	*	*
	21-24	132	158	146	125	140	132	135	*	*	*
	25-34	312	267	259	289	267	291	278	*	*	*
	35-44	205	263	239	226	274	258	276	*	*	*
	45-54	117	121	122	156	147	176	172	*	*	*
	55-64	82	96	66	82	82	105	89	*	*	*
	65-74	80	76	80	86	63	82	90	*	*	*
	>74	90	89	71	82	72	77	59	*	*	*
	Unknown	84	89	77	68	78	58	90	*	*	*
	Total	1,861	1,911	1,809	1,813	1,916	1,948	1,978	*	*	*

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 48: Drivers Killed or Injured in Motor Vehicle Crashes by Age

STATE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED					
California	10-15	13	14	11	14	18	10	13	9	8	8
	16-20	377	313	273	228	250	209	197	211	195	221
	21-24	418	348	280	277	228	238	216	164	181	198
	25-34	761	653	557	524	547	497	444	375	354	361
	35-44	450	379	363	381	331	382	396	306	322	324
	45-54	255	236	229	195	247	243	259	235	226	247
	55-64	165	130	135	124	151	140	176	163	150	149
	65-74	149	134	144	132	147	138	149	131	104	135
	>74	116	127	119	151	152	160	138	170	135	141
	Unknown	30	23	22	15	15	20	7	8	5	10
	Total	2,734	2,357	2,133	2,041	2,086	2,037	1,995	1,772	1,680	1,794
						INJURED					
California	10-15	796	810	739	710	719	550	475	420	383	364
	16-20	32,311	28,820	26,315	23,467	24,184	22,505	22,316	20,879	22,262	22,704
	21-24	29,903	28,391	26,808	23,938	22,769	20,669	19,075	17,439	17,673	18,277
	25-34	62,057	58,550	55,182	50,455	50,242	47,807	45,397	41,433	41,206	40,150
	35-44	38,150	37,156	37,368	35,868	37,672	37,490	37,653	35,923	37,317	37,015
	45-54	19,519	18,890	20,033	19,984	21,559	22,249	23,283	23,348	24,840	25,394
	55-64	11,609	10,936	11,061	10,600	11,088	11,079	11,525	11,622	12,389	12,847
	65-74	7,426	7,162	7,145	7,139	7,333	7,146	7,252	7,279	7,246	7,281
	>74	4,024	4,046	4,127	4,285	4,395	4,610	4,818	5,022	5,068	5,335
	Unknown	597	544	489	448	441	422	361	387	423	341
	Total	206,392	195,305	189,267	176,894	180,402	174,527	172,155	163,752	168,807	169,708
						KILLED					
Florida	10-15	10	7	6	6	12	7	20	10	13	7
	16-20	177	167	128	151	166	160	144	154	177	186
	21-24	171	157	113	159	142	151	130	129	147	120
	25-34	408	297	303	305	296	313	282	266	270	292
	35-44	239	204	210	243	232	252	241	245	280	285
	45-54	137	112	146	143	138	151	163	181	183	196
	55-64	124	109	94	105	97	101	110	142	124	147
	65-74	132	98	119	105	120	141	149	153	142	126
	>74	130	122	127	195	184	186	196	215	239	219
	Unknown	12	7	9	12	14	16	13	13	10	14
	Total	1,540	1,280	1,255	1,424	1,401	1,478	1,448	1,508	1,585	1,592

Drivers age 0-9 are included in the "Unknown" category.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 48: Drivers Killed or Injured in Motor Vehicle Crashes by Age

STATE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURED					
Florida	10-15	649	609	640	631	695	688	663	651	593	609
	16-20	18,837	16,288	16,110	16,830	18,016	18,830	20,074	19,631	20,410	20,599
	21-24	15,074	13,205	14,303	14,892	15,291	15,717	15,734	15,128	14,829	14,576
	25-34	34,808	31,074	32,186	33,315	34,008	35,668	36,760	36,051	35,043	32,621
	35-44	22,425	21,034	22,957	24,507	26,382	28,590	30,723	30,867	31,581	30,491
	45-54	12,795	12,197	13,532	14,538	15,779	17,695	19,385	20,221	20,912	20,366
	55-64	9,078	8,402	8,900	9,239	9,524	10,548	11,382	11,584	12,133	11,798
	65-74	7,217	6,899	7,322	7,490	7,994	8,491	8,958	8,741	8,808	8,211
	>74	4,354	4,374	4,834	5,093	5,536	6,214	7,029	6,827	7,031	6,728
	Unknown	1,445	1,035	512	1,321	1,399	1,273	1,475	1,392	1,173	1,103
	Total	126,682	115,117	121,296	127,856	134,624	143,714	152,183	151,093	152,513	147,102
						KILLED					
Georgia	10-15	8	8	4	5	8	12	4	9	11	*
	16-20	137	126	121	110	113	129	155	124	136	*
	21-24	101	88	87	104	98	111	111	108	78	*
	25-34	235	205	177	183	182	180	203	204	197	*
	35-44	162	153	114	128	144	139	171	162	187	*
	45-54	109	75	84	88	99	113	114	126	130	*
	55-64	78	65	63	69	76	85	74	76	80	*
	65-74	66	46	68	57	84	65	59	78	69	*
	>74	54	58	62	61	89	74	72	85	87	*
	Unknown	4	13	6	8	5	8	3	3	5	*
	Total	954	837	786	813	898	916	966	975	980	*
						INJURED					
Georgia	10-15	287	285	294	344	378	416	388	361	345	*
	16-20	11,125	10,352	10,840	11,179	13,727	14,361	14,508	14,300	12,421	*
	21-24	8,077	7,546	8,398	9,065	10,827	10,858	10,780	10,084	9,152	*
	25-34	17,526	16,622	17,620	18,515	21,918	23,319	23,635	23,099	21,090	*
	35-44	11,238	11,238	12,103	12,845	15,594	16,695	17,470	17,349	16,911	*
	45-54	6,099	6,108	6,953	7,495	9,469	10,213	10,856	11,377	11,037	*
	55-64	3,844	3,622	3,926	4,143	4,915	5,178	5,322	5,572	5,561	*
	65-74	2,472	2,441	2,572	2,722	3,149	3,290	3,390	3,274	3,261	*
	>74	1,349	1,492	1,490	1,518	1,996	1,866	1,892	1,912	1,927	*
	Unknown	735	882	665	995	1,115	677	825	757	990	*
	Total	62,752	60,588	64,861	68,821	83,088	86,873	89,066	88,085	82,695	*

**Data not available.*

Drivers age 0-9 are included in the "Unknown" category.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 48: Drivers Killed or Injured in Motor Vehicle Crashes by Age

STATE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED					
Illinois	10-15	4	2	5	6	5	2	2	0	0	0
	16-20	118	144	106	116	149	143	49	121	108	121
	21-24	117	119	102	103	120	106	58	95	106	105
	25-34	261	210	207	188	236	204	99	182	175	189
	35-44	133	140	150	137	150	172	93	151	145	160
	45-54	88	90	93	86	95	91	48	91	96	117
	55-64	74	59	60	52	62	56	43	59	66	68
	65-74	58	56	43	43	57	72	43	64	66	62
	>74	54	48	63	58	69	80	46	57	58	76
	Unknown	4	3	4	3	1	0	1	0	0	1
	Total	911	871	833	792	944	926	482	820	820	899
						INJURED					
Illinois	10-15	284	316	349	349	291	254	96	262	138	132
	16-20	16,092	14,349	14,824	15,019	15,149	14,870	6,338	13,877	12,696	12,635
	21-24	12,017	11,251	11,643	11,928	11,777	10,677	4,950	9,120	7,595	7,863
	25-34	26,378	24,179	24,615	24,720	24,117	21,781	11,337	20,502	15,924	15,608
	35-44	17,357	16,693	17,318	17,724	18,070	17,083	8,959	16,813	14,177	13,886
	45-54	9,750	9,424	10,293	10,766	11,077	10,734	5,822	11,022	9,608	9,701
	55-64	6,181	5,694	6,108	6,018	6,027	5,521	3,105	5,593	5,096	5,261
	65-74	3,847	3,698	3,930	3,955	3,847	3,624	1,930	3,486	3,133	3,093
	>74	2,093	2,100	2,217	2,296	2,340	2,250	1,255	2,349	2,299	2,269
	Unknown	340	366	438	680	707	6,506	278	683	418	367
	Total	94,339	88,070	91,735	93,455	93,402	93,300	44,070	83,707	71,084	70,815
						KILLED					
Indiana	10-15	4	5	3	1	6	7	7	7	3	4
	16-20	113	105	92	95	99	88	111	101	106	100
	21-24	80	66	74	70	73	83	50	64	69	69
	25-34	167	159	138	130	130	114	122	116	115	132
	35-44	96	131	84	104	94	100	96	95	127	119
	45-54	59	61	52	66	76	82	86	82	72	102
	55-64	46	39	42	38	43	53	57	51	57	63
	65-74	56	46	47	38	55	37	54	42	54	41
	>74	41	53	43	51	54	47	61	55	55	66
	Unknown	3	1	0	0	2	1	0	1	2	0
	Total	665	666	575	593	632	612	644	614	660	696

Drivers age 0-9 are included in the "Unknown" category.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 48: Drivers Killed or Injured in Motor Vehicle Crashes by Age

STATE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURED					
Indiana	10-15	349	339	284	337	371	332	298	264	267	255
	16-20	9,338	8,393	8,816	9,361	9,726	10,383	9,855	10,336	10,162	9,658
	21-24	5,601	5,295	5,519	5,891	6,026	5,961	5,516	5,332	5,477	5,307
	25-34	11,276	10,523	10,967	11,010	11,275	11,237	11,214	10,792	10,348	9,680
	35-44	7,671	7,218	7,741	8,144	8,290	8,818	8,752	8,975	9,000	8,631
	45-54	4,168	3,968	4,460	4,837	5,093	5,476	5,667	5,977	6,138	5,949
	55-64	2,730	2,555	2,647	2,760	2,941	3,005	3,158	3,165	3,394	3,261
	65-74	1,960	1,932	1,992	2,035	2,160	2,181	2,131	2,256	2,215	2,065
	>74	1,181	1,229	1,290	1,328	1,345	1,439	1,543	1,590	1,601	1,652
	Unknown	522	288	241	271	248	205	208	220	190	208
	Total	44,796	41,740	43,957	45,974	47,475	49,037	48,342	48,907	48,792	46,666
						KILLED					
Kansas	10-15	3	6	5	3	6	4	12	3	7	3
	16-20	52	39	45	46	53	33	59	45	39	48
	21-24	34	25	21	29	26	31	42	26	32	30
	25-34	67	63	61	52	58	64	56	64	64	50
	35-44	30	38	41	37	34	46	49	65	64	73
	45-54	21	15	15	35	38	35	42	34	49	41
	55-64	27	21	22	23	19	29	21	22	20	32
	65-74	19	22	27	29	23	24	27	25	28	18
	>74	30	27	21	36	35	27	31	38	32	43
	Unknown	0	0	0	0	0	0	1	0	2	1
	Total	283	256	258	290	292	293	340	322	337	339
						INJURED					
Kansas	10-15	415	365	409	363	352	410	414	367	381	369
	16-20	3,944	3,731	3,787	3,653	3,906	3,991	4,164	4,239	4,432	4,299
	21-24	2,315	2,145	2,392	2,332	2,305	2,233	2,178	2,153	2,249	2,147
	25-34	4,966	4,459	4,584	4,664	4,550	4,328	4,340	4,343	3,869	3,797
	35-44	3,106	3,119	3,248	3,500	3,461	3,642	3,833	3,758	3,776	3,612
	45-54	1,556	1,630	1,768	1,923	2,020	2,119	2,272	2,443	2,447	2,432
	55-64	1,110	1,090	1,097	1,154	1,134	1,227	1,203	1,280	1,242	1,389
	65-74	845	839	837	853	861	861	877	912	872	906
	>74	590	577	644	597	671	716	724	775	778	799
	Unknown	102	68	61	47	64	62	64	72	63	75
	Total	18,949	18,023	18,827	19,086	19,324	19,589	20,069	20,342	20,109	19,825

Drivers age 0-9 are included in the "Unknown" category.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 48: Drivers Killed or Injured in Motor Vehicle Crashes by Age

STATE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED					
Maryland	10-15	3	1	3	3	3	6	2	0	0	2
	16-20	52	55	45	35	43	51	46	38	45	66
	21-24	51	43	42	58	33	44	32	23	26	33
	25-34	119	103	101	84	87	84	75	82	64	70
	35-44	54	54	62	59	56	62	47	56	57	57
	45-54	34	42	47	32	48	46	41	41	44	49
	55-64	36	28	29	29	27	26	38	36	40	25
	65-74	36	28	34	31	33	36	25	24	23	24
	>74	18	29	27	32	23	28	34	43	29	37
	Unknown	1	0	0	4	1	2	0	2	5	0
	Total	404	383	390	367	354	385	340	345	333	363
						INJURED					
Maryland	10-15	121	143	153	113	142	86	94	80	77	90
	16-20	7,001	6,157	6,266	5,301	5,820	5,985	6,000	5,908	5,726	5,754
	21-24	6,390	5,754	6,221	4,702	5,366	4,878	4,628	4,118	3,818	3,903
	25-34	14,684	13,212	14,160	11,087	12,185	11,607	11,375	10,377	9,104	8,864
	35-44	9,417	8,836	9,787	7,854	8,964	8,862	9,028	8,680	8,226	8,231
	45-54	5,237	4,934	5,663	4,661	5,465	5,381	5,619	5,503	5,288	5,453
	55-64	3,271	2,838	3,122	2,446	2,813	2,777	2,908	2,808	2,782	2,703
	65-74	1,977	1,800	2,018	1,716	1,789	1,759	1,730	1,715	1,659	1,666
	>74	844	863	940	851	1,011	1,002	1,081	1,063	1,092	1,154
	Unknown	311	248	276	517	554	613	598	487	296	274
	Total	49,253	44,785	48,606	39,248	44,109	42,950	43,061	40,739	38,068	38,092
						KILLED					
Michigan	10-15	5	4	5	8	3	4	4	4	3	6
	16-20	138	117	85	91	137	123	117	106	100	98
	21-24	119	91	95	95	95	98	84	76	78	87
	25-34	227	199	165	183	146	171	180	185	163	145
	35-44	149	138	110	130	140	165	148	119	153	153
	45-54	100	92	68	85	89	95	102	86	111	117
	55-64	82	54	58	60	46	62	50	70	67	62
	65-74	70	63	54	64	66	75	69	74	65	69
	>74	64	86	62	75	74	96	103	100	80	93
	Unknown	3	0	30	62	50	32	35	24	18	30
	Total	957	844	732	853	846	921	892	844	838	860

Drivers age 0-9 are included in the "Unknown" category.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 48: Drivers Killed or Injured in Motor Vehicle Crashes by Age

STATE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURED					
Michigan	10-15	520	517	398	723	565	520	414	430	437	455
	16-20	17,349	15,212	12,891	14,319	15,528	16,322	15,910	15,389	14,730	14,051
	21-24	11,735	10,559	9,014	10,277	10,764	10,669	10,036	9,224	8,848	8,625
	25-34	24,472	22,343	18,528	20,895	22,043	22,847	22,257	21,041	19,684	18,270
	35-44	17,002	16,063	14,096	16,381	18,097	18,961	18,505	18,040	17,116	16,566
	45-54	9,286	9,047	8,255	10,011	11,051	11,797	12,047	12,239	11,867	11,954
	55-64	5,911	5,730	4,794	5,569	5,928	6,109	6,045	6,062	6,108	5,921
	65-74	4,189	4,013	3,493	4,027	4,295	4,371	4,352	4,123	3,968	3,640
	>74	2,240	2,295	2,180	2,466	2,603	2,714	2,875	2,950	2,990	2,799
	Unknown	1,457	1,688	3,222	4,245	3,574	3,722	3,717	3,541	3,305	3,142
	Total	94,161	87,467	76,871	88,913	94,448	98,032	96,158	93,039	89,053	85,423
						KILLED					
Missouri	10-15	1	2	4	3	7	2	7	5	4	4
	16-20	104	120	89	100	139	102	119	102	101	117
	21-24	92	87	92	67	75	69	80	77	65	66
	25-34	155	161	144	121	130	157	146	137	127	122
	35-44	109	107	90	88	112	134	151	139	141	123
	45-54	55	63	64	62	72	81	69	95	97	103
	55-64	45	33	52	52	48	53	65	73	70	62
	65-74	55	49	60	42	49	51	57	66	53	60
	>74	36	61	52	53	68	48	60	81	73	72
	Unknown	0	0	1	1	0	0	0	0	0	1
	Total	652	683	648	589	700	697	754	775	731	730
						INJURED					
Missouri	10-15	164	164	208	182	182	203	190	209	185	199
	16-20	8,769	8,065	8,469	8,769	9,514	9,746	9,879	9,811	9,861	9,829
	21-24	5,618	5,209	5,592	5,986	6,015	5,881	5,784	5,469	5,409	5,177
	25-34	11,993	11,062	11,111	11,766	12,164	12,017	12,098	11,467	11,047	10,569
	35-44	7,666	7,360	7,666	8,597	9,004	9,486	9,788	9,956	9,596	9,526
	45-54	4,330	4,127	4,454	5,110	5,345	5,704	6,123	6,302	6,331	6,301
	55-64	2,883	2,634	2,776	3,022	3,057	3,092	3,313	3,395	3,359	3,574
	65-74	1,987	1,927	2,009	2,115	2,243	2,311	2,278	2,243	2,278	2,245
	>74	1,262	1,201	1,356	1,396	1,502	1,552	1,587	1,680	1,686	1,679
	Unknown	303	247	233	241	332	294	346	267	232	287
	Total	44,975	41,996	43,874	47,184	49,358	50,286	51,386	50,799	49,984	49,386

Drivers age 0-9 are included in the "Unknown" category.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 48: Drivers Killed or Injured in Motor Vehicle Crashes by Age

STATE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED					
New Mexico	10-15	3	3	5	2	2	2	2	6	3	1
	16-20	51	40	24	32	33	45	32	23	24	34
	21-24	27	33	28	32	31	28	28	26	16	18
	25-34	74	49	56	61	53	49	50	50	45	56
	35-44	37	56	48	35	48	44	40	46	51	48
	45-54	27	26	24	32	27	31	31	36	24	26
	55-64	8	12	17	19	9	12	26	12	21	17
	65-74	15	12	15	7	10	24	8	22	12	22
	>74	11	12	11	15	16	9	16	15	17	14
	Unknown	0	1	1	0	0	1	1	1	1	0
	Total	253	244	229	235	229	245	234	237	214	236
						INJURED					
New Mexico	10-15	273	281	297	329	369	424	430	408	353	330
	16-20	2,663	2,608	2,860	2,902	3,095	3,232	3,318	3,099	3,041	2,758
	21-24	1,784	1,807	1,975	2,084	2,218	2,212	2,142	1,885	1,827	1,582
	25-34	4,193	4,146	4,225	4,234	4,421	4,672	4,497	4,164	3,856	3,160
	35-44	2,889	2,856	3,202	3,249	3,494	3,706	3,819	3,675	3,516	3,027
	45-54	1,466	1,466	1,653	1,941	2,148	2,284	2,440	2,485	2,377	2,104
	55-64	893	944	1,010	1,043	1,072	1,249	1,310	1,268	1,209	1,150
	65-74	653	632	660	739	827	811	892	796	836	664
	>74	320	348	370	413	474	451	523	476	481	487
	Unknown	32	53	164	134	83	111	87	94	92	97
	Total	15,166	15,141	16,416	17,068	18,201	19,152	19,458	18,350	17,588	15,359
						KILLED					
North Carolina	10-15	*	*	2	4	8	4	4	6	4	2
	16-20	*	*	105	127	132	107	115	124	128	122
	21-24	*	*	96	109	106	95	92	90	99	108
	25-34	*	*	135	167	164	198	204	171	199	200
	35-44	*	*	122	128	124	132	140	139	159	148
	45-54	*	*	93	100	95	108	103	116	125	120
	55-64	*	*	65	60	64	64	59	75	82	87
	65-74	*	*	52	72	68	58	81	74	90	78
	>74	*	*	60	76	73	79	88	79	97	95
	Unknown	*	*	0	3	2	1	0	0	0	1
	Total	*	*	730	846	836	846	886	874	983	961

**Data not available.*

Drivers age 0-9 are included in the "Unknown" category.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 48: Drivers Killed or Injured in Motor Vehicle Crashes by Age

STATE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURED					
North Carolina	10-15	*	*	299	270	309	295	270	234	195	205
	16-20	*	*	13,910	14,667	15,644	16,403	16,519	16,689	16,560	15,764
	21-24	*	*	10,850	11,257	11,854	12,186	11,908	11,553	11,245	11,651
	25-34	*	*	20,401	21,414	22,673	24,208	25,108	25,060	24,166	24,045
	35-44	*	*	14,595	15,282	16,800	18,161	18,720	19,716	19,574	20,153
	45-54	*	*	8,601	9,195	10,392	11,474	12,147	12,893	13,083	13,769
	55-64	*	*	5,122	5,357	5,909	6,127	6,518	6,761	7,016	7,314
	65-74	*	*	3,507	3,763	3,971	4,254	4,212	4,347	4,245	4,442
	>74	*	*	1,756	1,876	2,091	2,338	2,263	2,549	2,679	2,955
	Unknown	*	*	103	91	93	103	108	47	20	18
	Total	*	*	79,144	83,172	89,736	95,549	97,773	99,849	98,783	100,316
						KILLED					
Ohio	10-15	8	1	2	3	9	5	3	4	5	3
	16-20	162	149	138	150	117	136	132	130	136	146
	21-24	119	135	109	108	93	96	110	102	104	103
	25-34	268	272	212	209	170	186	183	175	181	172
	35-44	174	164	163	156	142	144	137	191	164	179
	45-54	94	105	90	96	99	100	120	117	115	133
	55-64	76	82	56	84	71	72	71	73	67	77
	65-74	67	69	60	55	64	66	69	60	69	59
	>74	59	66	75	60	88	75	86	89	81	72
	Unknown	0	0	1	0	0	0	1	1	0	0
	Total	1,027	1,043	906	921	853	880	912	942	922	944
						INJURED					
Ohio	10-15	475	431	383	424	429	452	375	370	424	484
	16-20	24,728	22,247	22,645	22,743	23,298	25,164	25,329	25,750	25,531	24,306
	21-24	17,101	15,966	16,643	16,938	16,502	16,588	16,007	15,363	14,528	14,475
	25-34	36,894	33,807	34,267	33,808	33,093	34,477	35,166	33,518	30,753	29,331
	35-44	25,300	24,146	25,505	26,160	27,150	28,326	30,028	29,501	27,823	27,423
	45-54	13,735	12,917	14,501	15,615	16,538	17,763	19,028	19,371	18,977	19,125
	55-64	9,393	8,630	9,048	9,212	9,256	9,790	10,334	10,360	10,395	10,297
	65-74	6,137	6,003	6,420	6,627	6,831	6,987	7,402	7,098	6,809	6,572
	>74	2,960	3,086	3,218	3,545	4,140	4,111	4,722	4,385	4,590	4,563
	Unknown	2,155	1,456	1,376	940	1,118	1,400	1,268	1,861	1,654	1,655
	Total	138,878	128,689	134,006	136,012	138,355	145,058	149,659	147,577	141,484	138,231

**Data not available.*

Drivers age 0-9 are included in the "Unknown" category.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 48: Drivers Killed or Injured in Motor Vehicle Crashes by Age

STATE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED					
Pennsylvania	10-15	9	5	2	3	4	4	6	3	2	3
	16-20	133	154	110	110	85	114	107	130	147	139
	21-24	131	153	132	125	104	101	89	125	97	99
	25-34	229	244	214	217	199	205	195	193	169	170
	35-44	149	132	152	152	142	136	153	132	166	182
	45-54	93	70	79	106	111	104	107	129	118	124
	55-64	83	88	83	69	64	79	64	79	76	67
	65-74	69	83	75	73	88	77	63	90	64	78
	>74	70	74	78	86	83	82	102	95	117	111
	Unknown	0	1	0	0	1	0	0	1	2	0
	Total	966	1,004	925	941	881	902	886	977	958	973
						INJURED					
Pennsylvania	10-15	244	215	203	196	220	189	179	207	174	142
	16-20	14,387	12,872	12,286	11,871	11,622	12,546	13,558	14,342	14,223	13,990
	21-24	11,507	10,375	10,563	10,233	9,821	9,552	9,316	9,011	8,754	9,197
	25-34	22,805	20,509	20,659	20,042	19,698	19,665	20,293	19,998	18,531	18,275
	35-44	14,835	13,835	14,683	14,789	15,233	15,726	16,418	16,540	16,057	16,437
	45-54	8,332	7,931	8,678	9,272	9,332	9,858	10,832	11,084	10,932	11,265
	55-64	6,033	5,460	5,524	5,303	5,412	5,551	5,693	5,857	6,073	6,119
	65-74	4,189	4,145	4,208	4,306	4,315	4,369	4,403	4,581	4,405	4,276
	>74	2,265	2,337	2,377	2,522	2,495	2,930	3,099	3,275	3,405	3,442
	Unknown	3,000	2,294	2,568	2,519	2,110	1,815	2,104	2,395	2,537	1,913
	Total	87,597	79,973	81,749	81,053	80,258	82,201	85,895	87,290	85,091	85,056
						KILLED					
Texas	10-15	14	9	8	9	10	11	17	8	11	14
	16-20	242	232	222	220	210	217	263	254	279	316
	21-24	233	259	243	235	253	192	223	199	211	223
	25-34	491	414	383	434	401	426	510	431	407	405
	35-44	316	264	295	317	348	340	408	406	422	421
	45-54	178	152	176	163	194	216	248	234	281	239
	55-64	133	99	110	114	151	136	155	149	167	165
	65-74	107	105	103	91	116	114	152	147	140	129
	>74	124	104	108	125	122	127	151	182	156	174
	Unknown	4	2	4	2	2	4	4	2	4	3
	Total	1,842	1,640	1,652	1,710	1,807	1,783	2,131	2,012	2,078	2,089

Drivers age 0-9 are included in the "Unknown" category.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 48: Drivers Killed or Injured in Motor Vehicle Crashes by Age

STATE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURED					
Texas	10-15	671	665	673	731	797	777	721	673	1,019	1,072
	16-20	24,647	23,611	23,530	24,724	27,635	28,464	30,161	30,362	33,694	34,629
	21-24	21,845	21,648	23,613	24,661	26,259	25,957	26,229	25,501	24,659	25,027
	25-34	46,821	45,674	48,089	50,359	54,045	54,607	57,222	55,119	52,760	51,365
	35-44	29,990	31,421	33,546	35,790	39,709	41,346	44,009	44,615	42,833	42,843
	45-54	14,988	15,927	17,911	19,466	21,953	23,289	26,024	27,136	27,236	27,808
	55-64	9,350	9,298	9,905	10,263	11,271	11,519	12,747	12,824	12,766	13,485
	65-74	6,047	6,168	6,622	7,027	7,274	7,344	7,949	8,055	7,726	7,671
	>74	3,605	3,736	4,082	4,090	4,348	4,702	5,294	5,155	4,865	5,156
	Unknown	708	687	638	703	804	850	848	911	611	435
	Total	158,672	158,835	168,609	177,814	194,095	198,855	211,204	210,351	208,169	209,491
						KILLED					
Utah	10-15	3	4	1	4	3	2	3	1	0	1
	16-20	27	26	19	31	33	31	35	40	30	34
	21-24	20	23	11	28	27	23	24	24	16	20
	25-34	29	35	36	26	45	28	38	29	25	34
	35-44	24	28	22	25	28	34	27	24	35	39
	45-54	6	11	16	17	7	17	12	25	26	29
	55-64	11	7	9	14	13	11	11	21	22	21
	65-74	7	6	9	8	10	15	16	10	10	17
	>74	11	6	8	12	12	11	10	16	13	13
	Unknown	0	0	0	1	0	0	0	0	1	0
	Total	138	146	131	166	178	172	176	190	178	208
						INJURED					
Utah	10-15	85	80	109	104	112	115	113	112	86	92
	16-20	3,072	2,902	3,280	3,494	4,186	4,289	4,467	4,610	4,340	4,334
	21-24	1,874	1,660	2,017	2,163	2,328	2,300	2,458	2,543	2,632	2,667
	25-34	3,139	2,973	3,274	3,546	3,758	3,788	4,173	4,201	4,021	3,927
	35-44	2,224	2,064	2,390	2,632	2,832	2,867	3,115	3,250	3,186	3,115
	45-54	1,103	1,101	1,285	1,458	1,773	1,764	2,041	2,148	2,143	2,193
	55-64	689	660	767	837	903	892	1,054	1,073	1,029	1,127
	65-74	526	507	578	593	692	649	668	704	641	627
	>74	270	276	359	381	421	455	480	464	456	452
	Unknown	22	17	24	20	48	56	108	141	138	173
	Total	13,004	12,240	14,083	15,228	17,053	17,175	18,677	19,246	18,672	18,707

Drivers age 0-9 are included in the "Unknown" category.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 48: Drivers Killed or Injured in Motor Vehicle Crashes by Age

STATE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED					
Virginia	10-15	3	2	3	1	2	3	3	0	2	4
	16-20	117	88	80	71	88	85	68	83	75	78
	21-24	71	84	59	61	58	64	47	62	59	51
	25-34	176	121	104	116	116	112	124	121	102	96
	35-44	99	78	99	81	93	104	92	117	109	108
	45-54	54	49	52	58	62	68	68	91	79	76
	55-64	48	49	35	42	44	46	39	53	51	61
	65-74	42	38	27	44	32	38	37	44	47	40
	>74	33	42	46	42	38	36	37	49	63	55
	Unknown	0	1	0	2	2	4	5	3	5	1
	Total	643	552	505	518	535	560	520	623	592	570
						INJURED					
Virginia	10-15	178	145	175	163	169	188	197	196	182	188
	16-20	8,971	8,024	8,416	8,348	8,978	9,077	8,953	9,292	9,163	9,467
	21-24	6,805	6,148	6,619	6,639	6,810	6,529	6,156	5,914	5,811	5,877
	25-34	13,522	12,319	12,929	13,009	13,592	13,429	13,412	12,801	12,419	12,131
	35-44	8,524	8,158	8,933	9,305	9,795	10,133	10,445	10,571	10,661	10,819
	45-54	4,558	4,338	5,041	5,437	6,129	6,251	6,714	6,876	7,088	7,283
	55-64	2,861	2,744	2,931	3,005	3,200	3,286	3,326	3,442	3,789	3,936
	65-74	1,805	1,835	1,890	1,942	2,080	2,168	2,155	2,189	2,302	2,305
	>74	947	919	928	1,036	1,193	1,220	1,239	1,346	1,391	1,514
	Unknown	119	92	85	219	350	340	317	233	236	109
	Total	48,290	44,722	47,947	49,103	52,296	52,621	52,914	52,860	53,042	53,629

Drivers age 0-9 are included in the "Unknown" category.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 48: Drivers Killed or Injured in Motor Vehicle Crashes by Age

STATE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED					
Washington	10-15	3	2	2	3	2	5	3	*	*	*
	16-20	69	58	39	56	52	48	51	*	*	*
	21-24	66	51	60	54	42	38	54	*	*	*
	25-34	143	111	85	89	87	86	97	*	*	*
	35-44	93	66	73	64	72	87	88	*	*	*
	45-54	47	36	33	43	54	44	57	*	*	*
	55-64	27	30	16	20	22	23	23	*	*	*
	65-74	14	29	37	23	19	23	25	*	*	*
	>74	29	30	33	27	27	30	34	*	*	*
	Unknown	2	1	3	4	1	2	2	*	*	*
	Total	493	414	381	383	378	386	434	*	*	*
						INJURED					
Washington	10-15	154	152	197	154	146	179	128	*	*	*
	16-20	7,840	7,085	7,337	7,253	7,935	8,227	7,682	*	*	*
	21-24	6,110	5,940	6,207	6,280	6,324	6,056	6,019	*	*	*
	25-34	13,924	12,766	13,041	13,176	13,660	13,991	13,368	*	*	*
	35-44	9,880	9,750	10,269	10,408	11,337	11,773	12,100	*	*	*
	45-54	5,025	5,006	5,534	5,967	6,784	7,272	7,819	*	*	*
	55-64	2,752	2,659	2,836	2,789	3,079	3,335	3,375	*	*	*
	65-74	1,801	1,744	1,798	1,777	1,869	1,967	1,902	*	*	*
	>74	937	1,013	1,060	1,131	1,156	1,325	1,363	*	*	*
	Unknown	799	712	693	734	676	699	736	*	*	*
	Total	49,222	46,827	48,972	49,669	52,966	54,824	54,492	*	*	*

**Data not available.*

Drivers age 0-9 are included in the "Unknown" category.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Safety Equipment

Crash Data Report: 1990-1999

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Table 49: Passenger Car and Light Truck Occupants Killed or Injured by Restraint Use and Person Type

STATE	RESTRAINT USE/TYPE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED					
California	Used – Driver	482	460	504	629	692	678	762	662	679	692
	Used – Passenger	231	238	243	332	369	363	364	366	403	321
	Used – Subtotal	713	698	747	961	1,061	1,041	1,126	1,028	1,082	1,013
	Not used – Driver	1,206	984	853	669	710	662	571	508	478	516
	Not used – Passenger	719	685	605	508	493	460	420	436	383	410
	Not used – Subtotal	1,925	1,669	1,458	1,177	1,203	1,122	991	944	861	926
	Use unknown – Driver	461	393	404	397	354	375	377	311	279	322
	Use unknown – Passenger	242	268	259	246	245	278	237	161	152	179
	Use unknown – Subtotal	703	661	663	643	599	653	614	472	431	501
	Total – Occupant	3,341	3,028	2,868	2,781	2,863	2,816	2,731	2,444	2,374	2,440
						INJURED					
California	Used – Driver	97,870	96,019	98,894	106,035	110,091	109,755	120,075	124,572	129,709	130,144
	Used – Passenger	52,132	53,751	55,120	60,787	61,956	61,354	67,460	69,898	72,233	70,829
	Used – Subtotal	150,002	149,770	154,014	166,822	172,047	171,109	187,535	194,470	201,942	200,973
	Not used – Driver	29,522	25,069	22,157	12,220	11,322	9,510	8,761	7,274	6,680	6,283
	Not used – Passenger	28,668	26,616	23,896	15,807	14,362	12,232	11,628	10,190	9,839	8,614
	Not used – Subtotal	58,190	51,685	46,053	28,027	25,684	21,742	20,389	17,464	16,519	14,897
	Use unknown – Driver	58,764	55,726	53,533	45,137	46,532	43,792	32,786	21,790	23,271	23,439
	Use unknown – Passenger	36,766	34,357	32,500	25,989	25,542	23,260	15,852	8,491	8,879	8,737
	Use unknown – Subtotal	95,530	90,083	86,033	71,126	72,074	67,052	48,638	30,281	32,150	32,176
	Total – Occupant	303,722	291,538	286,100	265,975	269,805	259,903	256,562	242,215	250,611	248,046
						KILLED					
Florida	Used – Driver	322	269	293	425	440	422	444	516	512	500
	Used – Passenger	158	163	188	223	210	218	220	224	224	229
	Used – Subtotal	480	432	481	648	650	640	664	740	736	729
	Not used – Driver	938	741	712	740	738	804	772	730	799	821
	Not used – Passenger	461	398	382	407	426	407	435	398	399	444
	Not used – Subtotal	1,399	1,139	1,094	1,147	1,164	1,211	1,207	1,128	1,198	1,265
	Use unknown – Driver	33	47	43	20	19	27	36	46	44	52
	Use unknown – Passenger	18	26	26	5	3	9	7	6	9	8
	Use unknown – Subtotal	51	73	69	25	22	36	43	52	53	60
	Total – Occupant	1,930	1,644	1,644	1,820	1,836	1,887	1,914	1,920	1,987	2,054

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 49: Passenger Car and Light Truck Occupants Killed or Injured by Restraint Use and Person Type

STATE	RESTRAINT USE/TYPE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURED					
Florida	Used – Driver	83,797	79,350	86,477	95,305	102,850	111,482	121,598	120,977	123,002	117,833
	Used – Passenger	41,354	39,341	43,213	45,025	48,662	51,154	54,015	54,336	55,259	53,009
	Used – Subtotal	125,151	118,691	129,690	140,330	151,512	162,636	175,613	175,313	178,261	170,842
	Not used – Driver	31,584	25,302	24,347	23,462	22,651	23,085	21,307	20,498	19,889	19,059
	Not used – Passenger	26,401	21,671	21,418	20,682	20,785	19,940	18,783	16,899	16,294	15,420
	Not used – Subtotal	57,985	46,973	45,765	44,144	43,436	43,025	40,090	37,397	36,183	34,479
	Use unknown – Driver	981	1,425	1,377	643	790	1,074	1,264	1,565	1,640	2,066
	Use unknown – Passenger	481	517	466	68	118	236	264	369	394	450
	Use unknown – Subtotal	1,462	1,942	1,843	711	908	1,310	1,528	1,934	2,034	2,516
	Total – Occupant	184,598	167,606	177,298	185,185	195,856	206,971	217,231	214,644	216,478	207,837
						KILLED					
Georgia	Used – Driver	119	127	146	148	180	199	228	255	342	*
	Used – Passenger	60	53	70	66	84	90	109	94	132	*
	Used – Subtotal	179	180	216	214	264	289	337	349	474	*
	Not used – Driver	575	497	430	442	499	532	520	514	421	*
	Not used – Passenger	269	241	205	227	213	242	264	232	192	*
	Not used – Subtotal	844	738	635	669	712	774	784	746	613	*
	Use unknown – Driver	146	131	122	132	133	112	133	117	119	*
	Use unknown – Passenger	66	59	46	57	46	49	56	67	41	*
	Use unknown – Subtotal	212	190	168	189	179	161	189	184	160	*
	Total – Occupant	1,235	1,108	1,019	1,072	1,155	1,224	1,310	1,279	1,247	*
						INJURED					
Georgia	Used – Driver	25,247	26,415	30,325	34,139	49,605	53,542	58,418	62,539	62,003	*
	Used – Passenger	10,989	12,260	13,829	16,065	25,780	27,077	29,624	30,995	29,845	*
	Used – Subtotal	36,236	38,675	44,154	50,204	75,385	80,619	88,042	93,534	91,848	*
	Not used – Driver	15,095	13,221	12,527	12,443	14,460	14,346	12,128	9,172	6,144	*
	Not used – Passenger	12,443	11,253	11,064	10,822	12,751	12,373	10,443	8,110	5,240	*
	Not used – Subtotal	27,538	24,474	23,591	23,265	27,211	26,719	22,571	17,282	11,384	*
	Use unknown – Driver	18,780	17,594	18,530	18,386	16,052	15,982	15,482	13,302	11,243	*
	Use unknown – Passenger	7,365	7,302	7,747	7,899	8,598	8,382	8,119	6,906	5,749	*
	Use unknown – Subtotal	26,145	24,896	26,277	26,285	24,650	24,364	23,601	20,208	16,992	*
	Total – Occupant	89,919	88,045	94,022	99,754	127,246	131,702	134,214	131,024	120,224	*

** Data not available.*

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 49: Passenger Car and Light Truck Occupants Killed or Injured by Restraint Use and Person Type

STATE	RESTRAINT USE/TYPE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
					KILLED						
Illinois	Used – Driver	100	136	158	142	208	230	133	212	224	247
	Used – Passenger	55	59	65	102	80	101	59	82	77	106
	Used – Subtotal	155	195	223	244	288	331	192	294	301	353
	Not used – Driver	244	288	288	311	388	383	212	377	352	412
	Not used – Passenger	123	127	129	136	158	190	116	180	159	159
	Not used – Subtotal	367	415	417	447	546	573	328	557	511	571
	Use unknown – Driver	400	320	260	215	191	178	69	122	131	122
	Use unknown – Passenger	173	126	126	105	83	84	35	59	81	64
	Use unknown – Subtotal	573	446	386	320	274	262	104	181	212	186
	Total – Occupant	1,095	1,056	1,026	1,011	1,108	1,166	624	1,032	1,024	1,110
					INJURED						
Illinois	Used – Driver	3,552	16,038	53,961	59,288	56,340	56,145	33,629	62,091	54,779	54,016
	Used – Passenger	5,515	9,287	24,595	27,900	24,869	24,625	13,622	25,036	22,080	20,490
	Used – Subtotal	9,067	25,325	78,556	87,188	81,209	80,770	47,251	87,127	76,859	74,506
	Not used – Driver	816	2,788	7,942	8,946	8,234	8,321	4,318	8,431	6,699	6,406
	Not used – Passenger	2,406	3,261	7,515	8,779	7,599	7,594	3,582	7,229	5,503	4,586
	Not used – Subtotal	3,222	6,049	15,457	17,725	15,833	15,915	7,900	15,660	12,202	10,992
	Use unknown – Driver	84,244	64,020	24,899	19,605	8,929	8,062	3,227	7,378	4,840	5,012
	Use unknown – Passenger	37,861	28,569	14,714	10,745	4,487	3,933	1,556	4,166	2,587	2,387
	Use unknown – Subtotal	122,105	92,589	39,613	30,350	13,416	11,995	4,783	11,544	7,427	7,399
	Total – Occupant	134,394	123,963	133,626	135,263	110,458	108,680	59,934	114,331	96,488	92,897
					KILLED						
Indiana	Used – Driver	126	117	125	161	139	133	173	154	181	214
	Used – Passenger	52	47	61	67	79	85	64	59	72	88
	Used – Subtotal	178	164	186	228	218	218	237	213	253	302
	Not used – Driver	396	399	318	299	343	334	326	325	332	310
	Not used – Passenger	178	168	141	123	135	128	146	139	125	120
	Not used – Subtotal	574	567	459	422	478	462	472	464	457	430
	Use unknown – Driver	37	43	47	46	47	55	61	61	56	61
	Use unknown – Passenger	14	14	15	20	18	22	30	23	17	14
	Use unknown – Subtotal	51	57	62	66	65	77	91	84	73	75
	Total – Occupant	803	788	707	716	761	757	800	761	783	807

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 49: Passenger Car and Light Truck Occupants Killed or Injured by Restraint Use and Person Type

STATE	RESTRAINT USE/TYPE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURED					
Indiana	Used – Driver	23,264	23,605	25,626	27,274	28,716	30,450	30,828	31,899	33,223	31,963
	Used – Passenger	9,207	9,361	10,277	11,191	11,734	12,903	12,614	13,227	13,687	13,464
	Used – Subtotal	32,471	32,966	35,903	38,465	40,450	43,353	43,442	45,126	46,910	45,427
	Not used – Driver	14,391	11,847	12,120	12,215	12,013	11,710	10,734	10,052	8,513	7,438
	Not used – Passenger	10,028	8,534	8,631	8,945	8,523	8,724	7,788	7,494	6,470	5,457
	Not used – Subtotal	24,419	20,381	20,751	21,160	20,536	20,434	18,522	17,546	14,983	12,895
	Use unknown – Driver	2,744	2,320	2,502	2,722	2,695	2,938	2,970	3,113	2,944	3,066
	Use unknown – Passenger	1,184	956	984	1,089	976	1,091	1,073	1,090	941	883
	Use unknown – Subtotal	3,928	3,276	3,486	3,811	3,671	4,029	4,043	4,203	3,885	3,949
	Total – Occupant	60,818	56,623	60,140	63,436	64,657	67,816	66,007	66,875	65,778	62,271
						KILLED					
Kansas	Used – Driver	41	31	42	49	47	58	59	74	84	86
	Used – Passenger	20	17	26	35	19	24	26	29	23	45
	Used – Subtotal	61	48	68	84	66	82	85	103	107	131
	Not used – Driver	163	141	133	159	171	168	190	182	171	180
	Not used – Passenger	69	74	55	51	87	67	72	75	76	89
	Not used – Subtotal	232	215	188	210	258	235	262	257	247	269
	Use unknown – Driver	37	37	46	46	35	41	51	37	45	47
	Use unknown – Passenger	18	19	18	15	14	11	24	13	11	24
	Use unknown – Subtotal	55	56	64	61	49	52	75	50	56	71
	Total – Occupant	348	319	320	355	373	369	422	410	410	471
						INJURED					
Kansas	Used – Driver	10,478	9,755	10,865	11,543	11,658	12,180	12,530	12,928	12,921	13,042
	Used – Passenger	4,645	4,240	4,660	5,138	5,135	5,275	5,446	5,715	5,792	5,784
	Used – Subtotal	15,123	13,995	15,525	16,681	16,793	17,455	17,976	18,643	18,713	18,826
	Not used – Driver	4,895	4,598	4,635	4,364	4,647	4,522	4,582	4,507	4,348	3,992
	Not used – Passenger	3,792	3,553	3,763	3,283	3,588	3,436	3,453	3,429	3,342	2,915
	Not used – Subtotal	8,687	8,151	8,398	7,647	8,235	7,958	8,035	7,936	7,690	6,907
	Use unknown – Driver	2,127	2,225	2,122	1,948	1,907	1,754	1,782	1,818	1,771	1,650
	Use unknown – Passenger	1,128	1,224	1,198	1,099	980	763	905	880	750	788
	Use unknown – Subtotal	3,255	3,449	3,320	3,047	2,887	2,517	2,687	2,698	2,521	2,438
	Total – Occupant	27,065	25,595	27,243	27,375	27,915	27,930	28,698	29,277	28,924	28,171

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 49: Passenger Car and Light Truck Occupants Killed or Injured by Restraint Use and Person Type

STATE	RESTRAINT USE/TYPE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
					KILLED						
Maryland	Used – Driver	83	96	115	96	115	124	100	125	147	148
	Used – Passenger	39	46	42	41	58	57	43	47	60	43
	Used – Subtotal	122	142	157	137	173	181	143	172	207	191
	Not used – Driver	207	191	172	165	163	205	186	160	128	149
	Not used – Passenger	106	102	96	91	79	86	85	79	90	56
	Not used – Subtotal	313	293	268	256	242	291	271	239	218	205
	Use unknown – Driver	60	41	40	26	30	20	17	20	16	13
	Use unknown – Passenger	20	19	12	10	8	12	10	9	6	8
	Use unknown – Subtotal	80	60	52	36	38	32	27	29	22	21
	Total – Occupant	515	495	477	429	453	504	441	440	447	417
					INJURED						
Maryland	Used – Driver	34,331	31,705	35,709	27,742	31,949	32,036	31,602	30,125	30,498	30,667
	Used – Passenger	15,621	14,648	16,730	12,214	13,786	13,606	13,508	13,617	12,950	12,916
	Used – Subtotal	49,952	46,353	52,439	39,956	45,735	45,642	45,110	43,742	43,448	43,583
	Not used – Driver	7,817	6,143	5,833	4,813	5,597	5,511	4,883	3,951	2,968	2,685
	Not used – Passenger	7,014	5,578	5,717	4,906	5,243	5,057	4,873	3,852	2,733	2,621
	Not used – Subtotal	14,831	11,721	11,550	9,719	10,840	10,568	9,756	7,803	5,701	5,306
	Use unknown – Driver	4,001	3,997	4,261	2,451	3,049	3,231	4,369	4,309	2,242	2,258
	Use unknown – Passenger	2,497	2,610	2,776	916	1,087	1,278	1,581	1,140	870	828
	Use unknown – Subtotal	6,498	6,607	7,037	3,367	4,136	4,509	5,950	5,449	3,112	3,086
	Total – Occupant	71,281	64,681	71,026	53,042	60,711	60,719	60,816	56,994	52,261	51,975
					KILLED						
Michigan	Used – Driver	238	227	224	264	247	309	306	285	290	311
	Used – Passenger	111	104	89	89	128	126	130	158	115	116
	Used – Subtotal	349	331	313	353	375	435	436	443	405	427
	Not used – Driver	548	441	344	385	388	399	371	355	353	348
	Not used – Passenger	193	208	171	200	177	195	174	180	152	163
	Not used – Subtotal	741	649	515	585	565	594	545	535	505	511
	Use unknown – Driver	71	67	78	107	109	113	125	116	111	93
	Use unknown – Passenger	38	33	36	31	27	34	44	43	40	31
	Use unknown – Subtotal	109	100	114	138	136	147	169	159	151	124
	Total – Occupant	1,199	1,080	942	1,076	1,076	1,176	1,150	1,137	1,061	1,062

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 49: Passenger Car and Light Truck Occupants Killed or Injured by Restraint Use and Person Type

STATE	RESTRAINT USE/TYPE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURED					
Michigan	Used – Driver	66,811	63,965	56,905	64,896	70,735	75,072	75,335	73,242	69,787	67,414
	Used – Passenger	26,348	26,073	18,801	23,578	25,228	26,912	26,797	25,867	24,324	23,088
	Used – Subtotal	93,159	90,038	75,706	88,474	95,963	101,984	102,132	99,109	94,111	90,502
	Not used – Driver	18,182	15,271	11,780	12,185	12,422	11,824	10,023	9,261	8,600	7,478
	Not used – Passenger	13,921	11,889	8,783	9,913	10,136	9,556	8,111	7,719	7,045	6,049
	Not used – Subtotal	32,103	27,160	20,563	22,098	22,558	21,380	18,134	16,980	15,645	13,527
	Use unknown – Driver	3,549	3,331	4,260	6,663	6,804	6,935	7,029	6,838	6,719	6,479
	Use unknown – Passenger	1,945	1,890	1,563	1,611	1,736	1,892	1,873	1,812	1,850	1,677
	Use unknown – Subtotal	5,494	5,221	5,823	8,274	8,540	8,827	8,902	8,650	8,569	8,156
	Total – Occupant	130,756	122,419	102,092	118,846	127,061	132,191	129,168	124,739	118,325	112,185
						KILLED					
Missouri	Used – Driver	92	123	137	126	146	130	158	178	191	190
	Used – Passenger	51	56	50	57	62	67	62	90	88	73
	Used – Subtotal	143	179	187	183	208	197	220	268	279	263
	Not used – Driver	400	402	370	344	403	454	440	441	386	390
	Not used – Passenger	211	152	159	156	193	201	190	187	192	179
	Not used – Subtotal	611	554	529	500	596	655	630	628	578	569
	Use unknown – Driver	86	88	72	71	83	60	100	97	104	81
	Use unknown – Passenger	54	34	27	33	30	31	30	27	38	29
	Use unknown – Subtotal	140	122	99	104	113	91	130	124	142	110
	Total – Occupant	894	855	815	787	917	943	980	1,020	999	942
						INJURED					
Missouri	Used – Driver	24,864	24,108	26,275	28,963	30,238	31,383	32,707	32,840	33,517	33,260
	Used – Passenger	10,658	10,533	11,344	13,841	14,381	14,519	15,227	15,515	15,810	15,557
	Used – Subtotal	35,522	34,641	37,619	42,804	44,619	45,902	47,934	48,355	49,327	48,817
	Not used – Driver	13,018	11,522	11,173	11,415	11,662	11,358	10,941	10,218	9,217	8,633
	Not used – Passenger	9,997	8,768	8,739	9,597	9,804	9,132	9,007	8,049	7,274	6,769
	Not used – Subtotal	23,015	20,290	19,912	21,012	21,466	20,490	19,948	18,267	16,491	15,402
	Use unknown – Driver	4,603	4,116	4,265	4,461	5,051	5,333	5,560	5,446	5,105	5,136
	Use unknown – Passenger	2,509	2,329	2,426	2,669	2,914	3,070	3,114	3,104	2,700	2,649
	Use unknown – Subtotal	7,112	6,445	6,691	7,130	7,965	8,403	8,674	8,550	7,805	7,785
	Total – Occupant	65,649	61,376	64,222	70,946	74,050	74,795	76,556	75,172	73,623	72,004

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 49: Passenger Car and Light Truck Occupants Killed or Injured by Restraint Use and Person Type

STATE	RESTRAINT USE/TYPE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
					KILLED						
New Mexico	Used – Driver	39	44	53	50	60	63	67	75	66	69
	Used – Passenger	28	19	28	28	30	31	44	44	42	37
	Used – Subtotal	67	63	81	78	90	94	111	119	108	106
	Not used – Driver	159	142	137	138	129	130	122	112	95	116
	Not used – Passenger	100	93	89	78	90	93	99	94	90	87
	Not used – Subtotal	259	235	226	216	219	223	221	206	185	203
	Use unknown – Driver	10	13	8	4	6	6	11	12	18	17
	Use unknown – Passenger	10	8	13	9	8	6	8	8	3	10
	Use unknown – Subtotal	20	21	21	13	14	12	19	20	21	27
	Total – Occupant	346	319	328	307	323	329	351	345	314	336
					INJURED						
New Mexico	Used – Driver	10,494	10,812	12,384	13,469	14,909	16,001	16,318	15,537	14,927	13,169
	Used – Passenger	5,403	5,723	6,534	6,792	7,922	8,127	8,250	7,928	7,649	6,646
	Used – Subtotal	15,897	16,535	18,918	20,261	22,831	24,128	24,568	23,465	22,576	19,815
	Not used – Driver	2,723	2,473	2,188	1,876	1,615	1,591	1,531	1,172	1,061	792
	Not used – Passenger	2,527	2,410	2,339	2,156	1,997	1,868	1,837	1,635	1,343	922
	Not used – Subtotal	5,250	4,883	4,527	4,032	3,612	3,459	3,368	2,807	2,404	1,714
	Use unknown – Driver	250	315	366	434	488	410	536	607	614	527
	Use unknown – Passenger	206	209	302	426	330	404	326	319	295	236
	Use unknown – Subtotal	456	524	668	860	818	814	862	926	909	763
	Total – Occupant	21,603	21,942	24,113	25,153	27,261	28,401	28,798	27,198	25,889	22,292
					KILLED						
North Carolina	Used – Driver	*	*	218	262	342	324	365	348	416	382
	Used – Passenger	*	*	89	92	142	119	153	149	125	141
	Used – Subtotal	*	*	307	354	484	443	518	497	541	523
	Not used – Driver	*	*	337	350	319	308	316	332	331	342
	Not used – Passenger	*	*	192	169	178	182	162	171	185	164
	Not used – Subtotal	*	*	529	519	497	490	478	503	516	506
	Use unknown – Driver	*	*	97	115	105	117	108	114	122	114
	Use unknown – Passenger	*	*	41	50	43	54	59	52	43	42
	Use unknown – Subtotal	*	*	138	165	148	171	167	166	165	156
	Total – Occupant	*	*	974	1,038	1,129	1,104	1,163	1,166	1,222	1,185

** Data not available.*

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 49: Passenger Car and Light Truck Occupants Killed or Injured by Restraint Use and Person Type

STATE	RESTRAINT USE/TYPE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
					INJURED						
North Carolina	Used – Driver	*	*	63,554	69,047	78,072	83,895	86,426	88,001	87,229	88,905
	Used – Passenger	*	*	27,697	31,177	35,181	38,214	39,762	39,457	39,005	39,946
	Used – Subtotal	*	*	91,251	100,224	113,253	122,109	126,188	127,458	126,234	128,851
	Not used – Driver	*	*	9,543	8,085	5,929	5,900	5,508	5,897	5,526	5,329
	Not used – Passenger	*	*	10,886	10,260	9,141	9,186	8,578	8,667	7,929	7,297
	Not used – Subtotal	*	*	20,429	18,345	15,070	15,086	14,086	14,564	13,455	12,626
	Use unknown – Driver	*	*	3,124	2,781	2,539	2,520	2,605	2,659	2,578	2,558
	Use unknown – Passenger	*	*	2,118	1,953	1,726	1,958	1,963	1,910	1,811	1,851
	Use unknown – Subtotal	*	*	5,242	4,734	4,265	4,478	4,568	4,569	4,389	4,409
	Total – Occupant	*	*	116,922	123,303	132,588	141,673	144,842	146,591	144,078	145,886
					KILLED						
Ohio	Used – Driver	173	200	185	218	233	251	276	273	239	257
	Used – Passenger	72	85	84	92	97	112	116	102	92	112
	Used – Subtotal	245	285	269	310	330	363	392	375	331	369
	Not used – Driver	656	567	525	494	434	409	403	425	446	431
	Not used – Passenger	275	254	231	245	221	183	175	195	205	171
	Not used – Subtotal	931	821	756	739	655	592	578	620	651	602
	Use unknown – Driver	20	87	60	59	55	84	106	116	98	93
	Use unknown – Passenger	13	27	27	23	33	25	34	34	30	33
	Use unknown – Subtotal	33	114	87	82	88	109	140	150	128	126
	Total – Occupant	1,209	1,220	1,112	1,131	1,073	1,064	1,110	1,145	1,110	1,097
					INJURED						
Ohio	Used – Driver	90,284	84,278	91,897	97,928	100,884	108,134	114,016	111,965	108,057	106,226
	Used – Passenger	36,787	35,205	37,664	40,781	41,660	44,441	46,734	46,239	45,021	44,300
	Used – Subtotal	127,071	119,483	129,561	138,709	142,544	152,575	160,750	158,204	153,078	150,526
	Not used – Driver	26,608	22,547	21,500	18,444	17,301	16,936	15,418	14,665	14,051	12,712
	Not used – Passenger	19,853	16,775	16,230	14,331	13,840	13,165	12,111	11,432	10,556	9,057
	Not used – Subtotal	46,461	39,322	37,730	32,775	31,141	30,101	27,529	26,097	24,607	21,769
	Use unknown – Driver	13,627	12,644	13,298	12,216	12,771	12,842	13,087	13,555	12,007	11,637
	Use unknown – Passenger	7,262	6,005	6,301	5,771	5,888	5,891	6,021	6,044	5,322	5,124
	Use unknown – Subtotal	20,889	18,649	19,599	17,987	18,659	18,733	19,108	19,599	17,329	16,761
	Total – Occupant	194,421	177,454	186,890	189,471	192,344	201,409	207,387	203,900	195,014	189,056

** Data not available.*

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 49: Passenger Car and Light Truck Occupants Killed or Injured by Restraint Use and Person Type

STATE	RESTRAINT USE/TYPE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
					KILLED						
Pennsylvania	Used – Driver	149	170	163	200	196	204	228	208	211	216
	Used – Passenger	73	83	87	95	106	94	99	105	93	110
	Used – Subtotal	222	253	250	295	302	298	327	313	304	326
	Not used – Driver	507	539	499	481	429	456	421	507	466	465
	Not used – Passenger	212	233	219	171	175	209	174	204	156	176
	Not used – Subtotal	719	772	718	652	604	665	595	711	622	641
	Use unknown – Driver	170	152	144	135	124	133	117	139	138	145
	Use unknown – Passenger	78	67	56	65	61	46	54	71	61	72
	Use unknown – Subtotal	248	219	200	200	185	179	171	210	199	217
	Total – Occupant	1,189	1,244	1,168	1,147	1,091	1,142	1,093	1,234	1,125	1,184
					INJURED						
Pennsylvania	Used – Driver	39,940	38,672	40,733	42,862	44,227	45,639	48,443	48,398	46,970	47,693
	Used – Passenger	18,209	17,769	18,622	19,416	20,096	20,586	21,248	21,166	20,199	20,409
	Used – Subtotal	58,149	56,441	59,355	62,278	64,323	66,225	69,691	69,564	67,169	68,102
	Not used – Driver	21,582	17,997	16,319	15,053	14,240	14,465	14,241	14,848	14,633	13,767
	Not used – Passenger	14,924	12,556	11,498	10,957	10,057	10,084	9,924	10,131	9,618	8,738
	Not used – Subtotal	36,506	30,553	27,817	26,010	24,297	24,549	24,165	24,979	24,251	22,505
	Use unknown – Driver	20,102	17,769	20,109	18,413	17,216	17,876	18,900	19,548	18,738	18,946
	Use unknown – Passenger	10,263	8,943	9,888	9,175	9,222	9,321	9,359	9,698	8,912	9,122
	Use unknown – Subtotal	30,365	26,712	29,997	27,588	26,438	27,197	28,259	29,246	27,650	28,068
	Total – Occupant	125,020	113,706	117,169	115,876	115,058	117,971	122,115	123,789	119,070	118,675
					KILLED						
Texas	Used – Driver	447	452	468	545	577	555	662	653	608	580
	Used – Passenger	177	214	199	240	227	246	303	289	291	278
	Used – Subtotal	624	666	667	785	804	801	965	942	899	858
	Not used – Driver	1,087	933	899	859	888	848	947	815	787	742
	Not used – Passenger	580	522	543	481	487	507	631	520	479	470
	Not used – Subtotal	1,667	1,455	1,442	1,340	1,375	1,355	1,578	1,335	1,266	1,212
	Use unknown – Driver	68	79	90	93	146	197	333	358	442	515
	Use unknown – Passenger	53	89	59	52	79	77	117	134	153	159
	Use unknown – Subtotal	121	168	149	145	225	274	450	492	595	674
	Total – Occupant	2,412	2,289	2,258	2,270	2,404	2,430	2,993	2,769	2,760	2,744

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 49: Passenger Car and Light Truck Occupants Killed or Injured by Restraint Use and Person Type

STATE	RESTRAINT USE/TYPE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURED					
Texas	Used – Driver	119,836	123,323	136,065	145,947	158,507	159,206	164,638	159,539	153,986	152,082
	Used – Passenger	57,722	61,560	69,163	76,845	86,188	88,518	91,012	88,423	85,224	85,852
	Used – Subtotal	177,558	184,883	205,228	222,792	244,695	247,724	255,650	247,962	239,210	237,934
	Not used – Driver	25,048	22,212	19,409	18,150	17,848	16,234	15,467	13,309	11,899	10,373
	Not used – Passenger	28,835	26,627	26,912	26,886	27,821	27,127	26,302	23,798	21,200	18,939
	Not used – Subtotal	53,883	48,839	46,321	45,036	45,669	43,361	41,769	37,107	33,099	29,312
	Use unknown – Driver	4,551	4,607	4,554	5,333	8,839	14,962	22,024	28,221	32,704	36,719
	Use unknown – Passenger	3,939	3,489	3,627	3,623	4,117	5,185	7,047	8,384	9,595	11,187
	Use unknown – Subtotal	8,490	8,096	8,181	8,956	12,956	20,147	29,071	36,605	42,299	47,906
	Total – Occupant	239,931	241,818	259,730	276,784	303,320	311,232	326,490	321,674	314,608	315,152
						KILLED					
Utah	Used – Driver	35	34	36	44	37	49	44	62	50	69
	Used – Passenger	23	16	17	23	23	30	32	45	36	29
	Used – Subtotal	58	50	53	67	60	79	76	107	86	98
	Not used – Driver	68	71	70	88	99	87	78	83	84	91
	Not used – Passenger	56	58	63	59	75	54	64	73	62	58
	Not used – Subtotal	124	129	133	147	174	141	142	156	146	149
	Use unknown – Driver	14	15	6	13	13	17	22	15	16	18
	Use unknown – Passenger	6	11	8	9	14	14	12	10	16	11
	Use unknown – Subtotal	20	26	14	22	27	31	34	25	32	29
	Total – Occupant	202	205	200	236	261	251	252	288	264	276
						INJURED					
Utah	Used – Driver	6,747	6,995	8,533	9,840	11,276	11,535	12,665	13,400	13,325	13,623
	Used – Passenger	3,087	3,358	4,262	4,750	5,028	5,347	6,132	6,412	6,527	6,404
	Used – Subtotal	9,834	10,353	12,795	14,590	16,304	16,882	18,797	19,812	19,852	20,027
	Not used – Driver	4,459	3,613	3,711	3,590	3,771	3,548	3,396	3,188	2,727	2,447
	Not used – Passenger	3,817	3,326	3,466	3,450	3,447	3,473	3,219	2,925	2,469	2,221
	Not used – Subtotal	8,276	6,939	7,177	7,040	7,218	7,021	6,615	6,113	5,196	4,668
	Use unknown – Driver	812	772	871	957	1,165	1,194	1,434	1,651	1,706	1,628
	Use unknown – Passenger	393	360	421	551	636	620	619	708	738	831
	Use unknown – Subtotal	1,205	1,132	1,292	1,508	1,801	1,814	2,053	2,359	2,444	2,459
	Total – Occupant	19,315	18,424	21,264	23,138	25,323	25,717	27,465	28,284	27,492	27,154

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 49: Passenger Car and Light Truck Occupants Killed or Injured by Restraint Use and Person Type

STATE	RESTRAINT USE/TYPE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
					KILLED						
Virginia	Used – Driver	126	141	119	148	165	155	134	202	177	170
	Used – Passenger	59	68	53	63	81	66	62	81	68	55
	Used – Subtotal	185	209	172	211	246	221	196	283	245	225
	Not used – Driver	406	319	301	290	289	314	286	315	315	288
	Not used – Passenger	207	164	149	139	156	145	143	147	126	140
	Not used – Subtotal	613	483	450	429	445	459	429	462	441	428
	Use unknown – Driver	30	30	28	32	28	40	41	41	35	45
	Use unknown – Passenger	8	13	17	22	16	9	13	15	12	6
	Use unknown – Subtotal	38	43	45	54	44	49	54	56	47	51
	Total – Occupant	836	735	667	694	735	729	679	801	733	704
					INJURED						
Virginia	Used – Driver	32,227	31,151	34,460	35,613	38,565	38,367	39,318	39,389	40,375	40,693
	Used – Passenger	12,812	12,848	14,692	14,913	16,143	16,091	16,303	16,361	16,813	16,661
	Used – Subtotal	45,039	43,999	49,152	50,526	54,708	54,458	55,621	55,750	57,188	57,354
	Not used – Driver	10,782	9,054	8,937	8,476	8,420	8,132	7,664	7,409	6,720	6,460
	Not used – Passenger	9,765	8,317	8,687	8,402	8,179	7,937	7,362	6,987	5,822	5,471
	Not used – Subtotal	20,547	17,371	17,624	16,878	16,599	16,069	15,026	14,396	12,542	11,931
	Use unknown – Driver	2,011	1,783	1,910	2,079	2,314	2,638	2,672	3,157	3,241	3,224
	Use unknown – Passenger	807	762	747	826	972	975	929	1,065	1,062	953
	Use unknown – Subtotal	2,818	2,545	2,657	2,905	3,286	3,613	3,601	4,222	4,303	4,177
	Total – Occupant	68,404	63,915	69,433	70,309	74,593	74,140	74,248	74,368	74,033	73,462

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 49: Passenger Car and Light Truck Occupants Killed or Injured by Restraint Use and Person Type

STATE	RESTRAINT USE/TYPE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
					KILLED						
Washington	Used – Driver	107	118	93	112	115	104	143	*	*	*
	Used – Passenger	57	51	51	52	51	58	60	*	*	*
	Used – Subtotal	164	169	144	164	166	162	203	*	*	*
	Not used – Driver	285	225	212	193	194	206	215	*	*	*
	Not used – Passenger	161	98	111	112	87	98	90	*	*	*
	Not used – Subtotal	446	323	323	305	281	304	305	*	*	*
	Use unknown – Driver	33	27	20	31	23	32	27	*	*	*
	Use unknown – Passenger	12	21	8	16	20	20	14	*	*	*
	Use unknown – Subtotal	45	48	28	47	43	52	41	*	*	*
	Total – Occupant	655	540	495	516	490	518	549	*	*	*
					INJURED						
Washington	Used – Driver	27,036	26,815	28,783	29,713	32,485	34,418	34,655	*	*	*
	Used – Passenger	12,506	12,136	13,453	13,681	15,097	15,888	16,091	*	*	*
	Used – Subtotal	39,542	38,951	42,236	43,394	47,582	50,306	50,746	*	*	*
	Not used – Driver	7,822	6,377	6,085	5,540	5,396	5,200	4,796	*	*	*
	Not used – Passenger	5,999	5,004	4,870	4,519	4,304	4,347	4,102	*	*	*
	Not used – Subtotal	13,821	11,381	10,955	10,059	9,700	9,547	8,898	*	*	*
	Use unknown – Driver	11,688	11,201	11,699	12,061	12,593	12,734	12,742	*	*	*
	Use unknown – Passenger	4,407	4,037	4,360	4,377	4,686	4,698	4,761	*	*	*
	Use unknown – Subtotal	16,095	15,238	16,059	16,438	17,279	17,432	17,503	*	*	*
	Total – Occupant	69,458	65,570	69,250	69,891	74,561	77,285	77,147	*	*	*

**Data not available.*

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 50: Passenger Car and Light Truck Occupants Under Age 6 Killed or Injured by Restraint Use

STATE	RESTRAINT USE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED						
California	Child restraint used	0-1	5	6	10	9	9	3	5	3	6	6
	Other restraint used	0-1	2	0	1	1	2	0	2	1	3	0
	Restraint not used	0-1	21	16	18	13	12	22	11	17	8	9
	Restraint use unknown	0-1	5	15	4	4	5	7	3	3	5	4
	Subtotal	0-1	33	37	33	27	28	32	21	24	22	19
	Child restraint used	2	2	4	1	2	0	3	3	1	3	3
	Other restraint used	2	1	2	0	1	0	2	0	1	2	1
	Restraint not used	2	9	10	8	7	8	8	3	4	8	6
	Restraint use unknown	2	2	2	4	3	0	1	1	1	1	3
	Subtotal	2	14	18	13	13	8	14	7	7	14	13
	Child restraint used	3	0	0	0	1	2	1	2	0	2	1
	Other restraint used	3	1	1	0	0	4	0	0	0	4	0
	Restraint not used	3	13	13	9	6	9	10	3	3	5	4
	Restraint use unknown	3	0	1	3	1	4	1	3	0	1	2
	Subtotal	3	14	15	12	8	19	12	8	3	12	7
	Child restraint used	4	1	0	0	0	0	2	2	0	0	1
	Other restraint used	4	1	1	5	4	6	2	1	2	3	2
	Restraint not used	4	4	6	8	7	9	2	4	5	2	1
	Restraint use unknown	4	3	4	1	3	2	6	3	1	3	0
	Subtotal	4	9	11	14	14	17	12	10	8	8	4
	Child restraint used	5	0	1	0	0	0	0	0	0	0	0
	Other restraint used	5	2	3	3	1	3	3	1	0	7	3
	Restraint not used	5	1	2	2	5	5	7	5	2	2	4
	Restraint use unknown	5	3	2	2	3	3	3	0	4	1	2
	Subtotal	5	6	8	7	9	11	13	6	6	10	9
	Child restraint used	0-5	8	11	11	12	11	9	12	4	11	11
	Other restraint used	0-5	7	7	9	7	15	7	4	4	19	6
	Restraint not used	0-5	48	47	45	38	43	49	26	31	25	24
	Restraint use unknown	0-5	13	24	14	14	14	18	10	9	11	11
	Total	0-5	76	89	79	71	83	83	52	48	66	52

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 50: Passenger Car and Light Truck Occupants Under Age 6 Killed or Injured by Restraint Use

STATE	RESTRAINT USE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURED						
California	Child restraint used	0-1	694	723	711	724	659	655	741	668	726	657
	Other restraint used	0-1	185	160	128	158	154	136	137	110	119	93
	Restraint not used	0-1	608	501	463	370	316	244	220	169	154	143
	Restraint use unknown	0-1	571	470	410	347	331	283	176	66	78	64
	Subtotal	0-1	2,058	1,854	1,712	1,599	1,460	1,318	1,274	1,013	1,077	957
	Child restraint used	2	259	314	338	390	375	381	448	427	417	465
	Other restraint used	2	263	253	236	229	222	199	219	193	172	172
	Restraint not used	2	432	406	415	314	303	229	218	177	180	138
	Restraint use unknown	2	406	365	389	300	266	248	163	57	52	69
	Subtotal	2	1,360	1,338	1,378	1,233	1,166	1,057	1,048	854	821	844
	Child restraint used	3	182	202	217	253	275	315	338	388	411	398
	Other restraint used	3	436	468	446	464	478	410	434	402	413	390
	Restraint not used	3	507	437	490	389	367	325	263	223	237	187
	Restraint use unknown	3	486	431	400	359	330	320	207	91	85	62
	Subtotal	3	1,611	1,538	1,553	1,465	1,450	1,370	1,242	1,104	1,146	1,037
	Child restraint used	4	67	67	76	88	106	103	136	161	155	184
	Other restraint used	4	751	714	754	807	905	908	974	891	904	846
	Restraint not used	4	441	383	394	253	271	204	266	206	155	138
	Restraint use unknown	4	496	461	483	390	420	399	244	118	94	94
	Subtotal	4	1,755	1,625	1,707	1,538	1,702	1,614	1,620	1,376	1,308	1,262
	Child restraint used	5	21	20	23	23	31	33	49	55	62	68
	Other restraint used	5	749	775	823	910	964	1,005	1,138	1,135	1,104	1,045
	Restraint not used	5	438	432	386	283	261	224	222	196	173	156
	Restraint use unknown	5	496	500	447	383	436	405	271	121	117	116
	Subtotal	5	1,704	1,727	1,679	1,599	1,692	1,667	1,680	1,507	1,456	1,385
	Child restraint used	0-5	1,223	1,326	1,365	1,478	1,446	1,487	1,712	1,699	1,771	1,772
	Other restraint used	0-5	2,384	2,370	2,387	2,568	2,723	2,658	2,902	2,731	2,712	2,546
	Restraint not used	0-5	2,426	2,159	2,148	1,609	1,518	1,226	1,189	971	899	762
	Restraint use unknown	0-5	2,455	2,227	2,129	1,779	1,783	1,655	1,061	453	426	405
	Total	0-5	8,488	8,082	8,029	7,434	7,470	7,026	6,864	5,854	5,808	5,485

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 50: Passenger Car and Light Truck Occupants Under Age 6 Killed or Injured by Restraint Use

STATE	RESTRAINT USE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED						
Florida	Child restraint used	0-1	2	4	3	2	4	3	1	2	6	2
	Other restraint used	0-1	0	0	3	0	0	0	1	0	0	0
	Restraint not used	0-1	6	3	7	6	6	5	6	2	2	4
	Restraint use unknown	0-1	0	1	3	0	0	0	0	0	0	0
	Subtotal	0-1	8	8	16	8	10	8	8	4	8	6
	Child restraint used	2	0	1	4	3	2	0	2	1	2	2
	Other restraint used	2	1	0	1	0	1	0	0	0	0	0
	Restraint not used	2	5	1	3	3	4	0	1	1	3	1
	Restraint use unknown	2	0	0	1	0	0	0	0	0	0	1
	Subtotal	2	6	2	9	6	7	0	3	2	5	4
	Child restraint used	3	0	3	2	1	2	0	2	3	1	1
	Other restraint used	3	1	0	0	3	0	0	1	1	1	1
	Restraint not used	3	8	4	2	6	2	5	5	2	4	3
	Restraint use unknown	3	0	1	0	0	0	0	0	0	0	0
	Subtotal	3	9	8	4	10	4	5	8	6	6	5
	Child restraint used	4	0	0	0	0	0	0	1	1	1	0
	Other restraint used	4	3	2	1	2	3	1	1	1	2	2
	Restraint not used	4	5	3	2	3	3	4	0	2	0	5
	Restraint use unknown	4	1	0	0	0	0	1	0	0	0	0
	Subtotal	4	9	5	3	5	6	6	2	4	3	7
	Child restraint used	5	0	0	0	0	1	0	0	1	1	1
	Other restraint used	5	0	0	0	0	4	3	4	2	2	0
	Restraint not used	5	3	3	4	3	4	5	3	2	6	1
	Restraint use unknown	5	0	1	0	0	0	0	0	0	0	0
	Subtotal	5	3	4	4	3	9	8	7	5	9	2
	Child restraint used	0-5	2	8	9	6	9	3	6	8	11	6
	Other restraint used	0-5	5	2	5	5	8	4	7	4	5	3
	Restraint not used	0-5	27	14	18	21	19	19	15	9	15	14
	Restraint use unknown	0-5	1	3	4	0	0	1	0	0	0	1
	Total	0-5	35	27	36	32	36	27	28	21	31	24

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 50: Passenger Car and Light Truck Occupants Under Age 6 Killed or Injured by Restraint Use

STATE	RESTRAINT USE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURED						
Florida	Child restraint used	0-1	615	613	621	544	542	551	571	577	575	522
	Other restraint used	0-1	210	223	213	139	127	123	135	165	98	106
	Restraint not used	0-1	302	246	212	192	160	116	125	111	114	113
	Restraint use unknown	0-1	11	9	6	1	5	5	5	4	3	2
	Subtotal	0-1	1,138	1,091	1,052	876	834	795	836	857	790	743
	Child restraint used	2	361	404	460	470	474	505	519	578	517	551
	Other restraint used	2	325	240	242	218	213	207	276	206	198	196
	Restraint not used	2	312	264	186	207	233	169	156	143	142	151
	Restraint use unknown	2	7	5	5	1	0	8	2	8	5	4
	Subtotal	2	1,005	913	893	896	920	889	953	935	862	902
	Child restraint used	3	170	199	319	324	314	362	338	371	380	376
	Other restraint used	3	477	364	389	386	421	385	403	406	347	344
	Restraint not used	3	338	286	222	218	254	222	202	190	190	182
	Restraint use unknown	3	9	10	9	2	5	8	4	4	6	8
	Subtotal	3	994	859	939	930	994	977	947	971	923	910
	Child restraint used	4	92	97	120	136	150	152	173	189	206	209
	Other restraint used	4	592	592	559	599	684	670	721	700	679	627
	Restraint not used	4	396	265	266	254	264	276	234	205	182	138
	Restraint use unknown	4	9	7	7	0	1	1	1	1	4	3
	Subtotal	4	1,089	961	952	989	1,099	1,099	1,129	1,095	1,071	977
	Child restraint used	5	21	32	26	53	31	36	48	82	84	63
	Other restraint used	5	619	568	667	655	739	847	888	842	828	753
	Restraint not used	5	390	295	285	280	312	264	241	202	217	207
	Restraint use unknown	5	4	4	2	0	1	0	1	5	4	4
	Subtotal	5	1,034	899	980	988	1,083	1,147	1,178	1,131	1,133	1,027
	Child restraint used	0-5	1,259	1,345	1,546	1,527	1,511	1,606	1,649	1,797	1,762	1,721
	Other restraint used	0-5	2,223	1,987	2,070	1,997	2,184	2,232	2,423	2,319	2,150	2,026
	Restraint not used	0-5	1,738	1,356	1,171	1,151	1,223	1,047	958	851	845	791
	Restraint use unknown	0-5	40	35	29	4	12	22	13	22	22	21
	Total	0-5	5,260	4,723	4,816	4,679	4,930	4,907	5,043	4,989	4,779	4,559

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 50: Passenger Car and Light Truck Occupants Under Age 6 Killed or Injured by Restraint Use

STATE	RESTRAINT USE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED						
Georgia	Child restraint used	0-1	3	0	4	4	5	3	3	1	4	*
	Other restraint used	0-1	0	0	0	0	5	0	1	2	1	*
	Restraint not used	0-1	7	4	10	9	13	11	10	11	5	*
	Restraint use unknown	0-1	1	2	0	1	1	1	3	3	0	*
	Subtotal	0-1	11	6	14	14	24	15	17	17	10	*
	Child restraint used	2	3	1	1	0	0	0	0	2	3	*
	Other restraint used	2	2	0	0	2	0	1	0	0	0	*
	Restraint not used	2	3	3	8	3	4	4	0	3	1	*
	Restraint use unknown	2	0	1	0	0	0	0	1	1	0	*
	Subtotal	2	8	5	9	5	4	5	1	6	4	*
	Child restraint used	3	2	0	0	0	1	1	0	1	0	*
	Other restraint used	3	1	1	2	0	0	1	0	0	5	*
	Restraint not used	3	3	3	1	1	1	1	4	1	1	*
	Restraint use unknown	3	0	0	0	0	1	0	2	3	0	*
	Subtotal	3	6	4	3	1	3	3	6	5	6	*
	Child restraint used	4	0	0	2	0	0	0	1	0	0	*
	Other restraint used	4	0	2	0	2	5	3	1	2	6	*
	Restraint not used	4	6	3	4	2	1	6	6	3	4	*
	Restraint use unknown	4	1	0	0	0	0	0	0	0	3	*
	Subtotal	4	7	5	6	4	6	9	8	5	13	*
	Child restraint used	5	0	0	1	0	1	0	0	0	0	*
	Other restraint used	5	3	1	2	0	3	1	1	2	4	*
	Restraint not used	5	2	2	5	5	1	6	2	3	1	*
	Restraint use unknown	5	1	1	1	0	1	1	0	1	0	*
	Subtotal	5	6	4	9	5	6	8	3	6	5	*
	Child restraint used	0-5	8	1	8	4	7	4	4	4	7	*
	Other restraint used	0-5	6	4	4	4	13	6	3	6	16	*
	Restraint not used	0-5	21	15	28	20	20	28	22	21	12	*
	Restraint use unknown	0-5	3	4	1	1	3	2	6	8	3	*
	Total	0-5	38	24	41	29	43	40	35	39	38	*

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 50: Passenger Car and Light Truck Occupants Under Age 6 Killed or Injured by Restraint Use

STATE	RESTRAINT USE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURED						
Georgia	Child restraint used	0-1	352	367	422	433	590	775	697	699	682	*
	Other restraint used	0-1	118	93	101	149	435	369	307	251	258	*
	Restraint not used	0-1	293	237	238	250	354	267	218	181	113	*
	Restraint use unknown	0-1	78	79	88	88	199	160	167	123	104	*
	Subtotal	0-1	841	776	849	920	1,578	1,571	1,389	1,254	1,157	*
	Child restraint used	2	131	116	178	207	315	373	346	378	346	*
	Other restraint used	2	140	145	123	163	172	218	182	166	131	*
	Restraint not used	2	225	187	217	185	175	187	135	98	75	*
	Restraint use unknown	2	64	59	67	62	90	71	68	47	36	*
	Subtotal	2	560	507	585	617	752	849	731	689	588	*
	Child restraint used	3	57	89	82	135	178	192	224	237	209	*
	Other restraint used	3	176	170	215	224	328	342	350	327	302	*
	Restraint not used	3	228	186	179	161	196	189	137	126	61	*
	Restraint use unknown	3	94	82	78	84	100	80	105	56	47	*
	Subtotal	3	555	527	554	604	802	803	816	746	619	*
	Child restraint used	4	15	26	35	38	79	87	92	83	104	*
	Other restraint used	4	248	240	277	353	493	549	563	552	480	*
	Restraint not used	4	244	208	178	179	174	196	134	126	64	*
	Restraint use unknown	4	91	87	76	101	117	123	109	102	60	*
	Subtotal	4	598	561	566	671	863	955	898	863	708	*
	Child restraint used	5	6	10	14	13	22	27	22	30	31	*
	Other restraint used	5	207	266	261	330	487	588	583	592	557	*
	Restraint not used	5	230	184	165	151	201	181	165	119	63	*
	Restraint use unknown	5	128	83	94	103	150	114	114	95	87	*
	Subtotal	5	571	543	534	597	860	910	884	836	738	*
	Child restraint used	0-5	561	608	731	826	1,184	1,454	1,381	1,427	1,372	*
	Other restraint used	0-5	889	914	977	1,219	1,915	2,066	1,985	1,888	1,728	*
	Restraint not used	0-5	1,220	1,002	977	926	1,100	1,020	789	650	376	*
	Restraint use unknown	0-5	455	390	403	438	656	548	563	423	334	*
	Total	0-5	3,125	2,914	3,088	3,409	4,855	5,088	4,718	4,388	3,810	*

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 50: Passenger Car and Light Truck Occupants Under Age 6 Killed or Injured by Restraint Use

STATE	RESTRAINT USE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED						
Illinois	Child restraint used	0-1	2	1	3	2	2	2	3	3	3	2
	Other restraint used	0-1	0	0	1	1	0	0	0	0	0	0
	Restraint not used	0-1	0	1	2	0	2	1	2	3	2	3
	Restraint use unknown	0-1	5	2	1	1	0	0	0	0	0	0
	Subtotal	0-1	7	4	7	4	4	3	5	6	5	5
	Child restraint used	2	1	1	3	1	0	1	0	1	0	1
	Other restraint used	2	0	0	0	0	0	0	0	0	0	0
	Restraint not used	2	1	1	0	1	2	3	0	1	1	1
	Restraint use unknown	2	0	0	1	2	1	1	1	0	0	0
	Subtotal	2	2	2	4	4	3	5	1	2	1	2
	Child restraint used	3	1	2	0	2	0	1	0	0	2	2
	Other restraint used	3	0	1	1	0	0	0	0	0	0	1
	Restraint not used	3	0	1	0	0	0	2	0	2	1	2
	Restraint use unknown	3	1	0	0	1	3	0	0	0	1	0
	Subtotal	3	2	4	1	3	3	3	0	2	4	5
	Child restraint used	4	0	0	0	0	1	3	0	0	0	2
	Other restraint used	4	1	2	1	2	1	2	1	1	2	2
	Restraint not used	4	2	0	1	3	0	1	0	0	1	3
	Restraint use unknown	4	2	0	2	0	0	1	0	1	1	2
	Subtotal	4	5	2	4	5	2	7	1	2	4	9
	Child restraint used	5	0	0	0	0	0	0	1	1	0	0
	Other restraint used	5	0	1	0	0	0	1	0	2	1	0
	Restraint not used	5	2	2	0	1	2	1	0	2	1	0
	Restraint use unknown	5	1	0	2	1	1	2	0	0	0	0
	Subtotal	5	3	3	2	2	3	4	1	5	2	0
	Child restraint used	0-5	4	4	6	5	3	7	5	5	5	7
	Other restraint used	0-5	1	4	3	3	1	3	1	3	3	3
	Restraint not used	0-5	5	5	3	5	6	8	4	8	6	9
	Restraint use unknown	0-5	9	2	6	5	5	4	1	1	2	2
	Total	0-5	19	15	18	18	15	22	11	17	16	21

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 50: Passenger Car and Light Truck Occupants Under Age 6 Killed or Injured by Restraint Use

STATE	RESTRAINT USE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURED						
Illinois	Child restraint used	0-1	437	409	495	350	219	217	127	221	217	191
	Other restraint used	0-1	167	144	182	163	92	105	62	138	140	125
	Restraint not used	0-1	138	87	102	105	72	68	33	77	53	52
	Restraint use unknown	0-1	291	209	179	113	42	24	12	37	15	20
	Subtotal	0-1	1,033	849	958	731	425	414	234	473	425	388
	Child restraint used	2	199	187	236	222	210	186	106	197	182	166
	Other restraint used	2	184	165	184	201	173	176	87	176	122	116
	Restraint not used	2	121	93	96	110	76	91	50	84	56	43
	Restraint use unknown	2	268	172	168	125	45	29	11	39	35	14
	Subtotal	2	772	617	684	658	504	482	254	496	395	339
	Child restraint used	3	94	138	137	138	168	130	82	126	149	120
	Other restraint used	3	251	240	309	309	264	284	148	234	206	206
	Restraint not used	3	126	87	105	137	95	119	53	107	72	75
	Restraint use unknown	3	275	214	165	128	59	45	17	45	18	29
	Subtotal	3	746	679	716	712	586	578	300	512	445	430
	Child restraint used	4	40	50	60	81	59	57	41	63	74	77
	Other restraint used	4	329	344	372	441	388	348	220	383	357	316
	Restraint not used	4	94	90	113	129	127	114	43	93	55	60
	Restraint use unknown	4	287	228	203	148	75	56	17	64	34	21
	Subtotal	4	750	712	748	799	649	575	321	603	520	474
	Child restraint used	5	23	22	33	31	26	16	9	25	32	29
	Other restraint used	5	321	347	438	458	404	408	267	433	357	335
	Restraint not used	5	138	124	116	103	81	113	57	94	75	44
	Restraint use unknown	5	356	226	187	136	45	48	24	62	47	19
	Subtotal	5	838	719	774	728	556	585	357	614	511	427
	Child restraint used	0-5	793	806	961	822	682	606	526	899	869	767
	Other restraint used	0-5	1,252	1,240	1,485	1,572	1,321	1,321	833	1,504	1,297	1,218
	Restraint not used	0-5	617	481	532	584	451	505	259	504	358	304
	Restraint use unknown	0-5	1,477	1,049	902	650	266	202	84	285	162	126
	Total	0-5	4,139	3,576	3,880	3,628	2,720	2,634	1,702	3,192	2,686	2,415

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 50: Passenger Car and Light Truck Occupants Under Age 6 Killed or Injured by Restraint Use

STATE	RESTRAINT USE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED						
Indiana	Child restraint used	0-1	3	1	4	4	1	2	5	2	1	1
	Other restraint used	0-1	1	1	0	0	2	0	0	0	0	1
	Restraint not used	0-1	3	2	2	3	3	1	2	2	2	2
	Restraint use unknown	0-1	0	1	1	0	0	1	1	1	0	1
	Subtotal	0-1	7	5	7	7	6	4	8	5	3	5
	Child restraint used	2	1	1	1	1	1	1	2	0	1	2
	Other restraint used	2	0	0	0	0	0	2	0	0	1	0
	Restraint not used	2	2	2	0	0	1	1	3	0	1	0
	Restraint use unknown	2	0	0	0	0	0	2	0	0	0	0
	Subtotal	2	3	3	1	1	2	6	5	0	3	2
	Child restraint used	3	2	0	0	3	0	0	1	0	2	0
	Other restraint used	3	1	1	0	0	2	2	0	1	0	1
	Restraint not used	3	2	2	2	0	1	0	1	0	2	0
	Subtotal	3	5	3	2	3	3	2	2	1	4	1
	Child restraint used	4	0	0	0	0	0	2	0	0	0	0
	Other restraint used	4	1	0	2	0	2	1	1	1	2	2
	Restraint not used	4	4	2	1	1	2	0	1	0	0	0
	Restraint use unknown	4	0	0	0	1	0	0	0	1	0	0
	Subtotal	4	5	2	3	2	4	3	2	2	2	2
	Child restraint used	5	0	0	0	0	0	0	0	0	0	0
	Other restraint used	5	0	1	0	0	1	1	2	1	0	2
	Restraint not used	5	0	2	0	2	1	2	2	1	2	1
	Subtotal	5	0	3	0	2	2	3	4	2	2	3
	Child restraint used	0-5	6	2	5	8	2	5	8	2	4	3
	Other restraint used	0-5	3	3	2	0	7	6	3	3	3	6
	Restraint not used	0-5	11	10	5	6	8	4	9	3	7	3
	Restraint use unknown	0-5	0	1	1	1	0	3	1	2	0	1
	Total	0-5	20	16	13	15	17	18	21	10	14	13

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 50: Passenger Car and Light Truck Occupants Under Age 6 Killed or Injured by Restraint Use

STATE	RESTRAINT USE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURED						
Indiana	Child restraint used	0-1	193	186	233	269	305	305	271	297	305	258
	Other restraint used	0-1	50	35	42	44	55	62	38	52	40	34
	Restraint not used	0-1	66	53	66	46	59	46	61	34	31	31
	Restraint use unknown	0-1	15	6	12	10	8	8	8	9	8	8
	Subtotal	0-1	324	280	353	369	427	421	378	392	384	331
	Child restraint used	2	123	125	117	136	152	189	162	156	166	177
	Other restraint used	2	108	72	103	89	78	94	96	86	78	63
	Restraint not used	2	108	82	87	86	80	87	58	59	50	32
	Restraint use unknown	2	9	12	8	14	8	6	9	10	6	5
	Subtotal	2	348	291	315	325	318	376	325	311	300	277
	Child restraint used	3	64	53	48	78	70	92	95	113	108	143
	Other restraint used	3	158	138	156	154	145	189	189	149	153	120
	Restraint not used	3	146	114	123	88	103	82	75	60	59	45
	Restraint use unknown	3	16	14	8	14	12	7	11	6	5	4
	Subtotal	3	384	319	335	334	330	370	370	328	325	312
	Child restraint used	4	17	17	28	31	31	30	42	66	50	71
	Other restraint used	4	193	164	198	219	231	256	245	261	227	211
	Restraint not used	4	161	114	120	109	127	107	89	107	65	64
	Restraint use unknown	4	19	13	6	16	9	16	18	9	9	8
	Subtotal	4	390	308	352	375	398	409	394	443	351	354
	Child restraint used	5	12	9	12	14	13	19	21	19	31	27
	Other restraint used	5	181	177	193	232	236	293	272	313	314	249
	Restraint not used	5	155	126	143	121	128	128	108	101	97	80
	Restraint use unknown	5	21	12	16	20	11	15	20	21	14	8
	Subtotal	5	369	324	364	387	388	455	421	454	456	364
	Child restraint used	0-5	409	390	438	528	571	635	591	651	660	676
	Other restraint used	0-5	690	586	692	738	745	894	840	861	812	677
	Restraint not used	0-5	636	489	539	450	497	450	391	361	302	252
	Restraint use unknown	0-5	80	57	50	74	48	52	66	55	42	33
	Total	0-5	1,815	1,522	1,719	1,790	1,861	2,031	1,888	1,928	1,816	1,638

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 50: Passenger Car and Light Truck Occupants Under Age 6 Killed or Injured by Restraint Use

STATE	RESTRAINT USE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED						
Kansas	Child restraint used	0-1	0	1	3	1	0	0	0	1	1	2
	Other restraint used	0-1	1	0	0	2	0	0	0	0	0	0
	Restraint not used	0-1	0	1	0	0	3	0	0	1	3	2
	Restraint use unknown	0-1	1	0	1	0	0	0	0	1	0	0
	Subtotal	0-1	2	2	4	3	3	0	0	3	4	4
	Child restraint used	2	2	0	0	1	1	0	0	0	0	2
	Other restraint used	2	0	0	0	0	0	0	0	0	0	0
	Restraint not used	2	0	1	1	1	3	2	0	0	1	2
	Restraint use unknown	2	0	0	0	1	0	0	1	0	0	0
	Subtotal	2	2	1	1	3	4	2	1	0	1	4
	Child restraint used	3	0	0	0	0	0	0	0	0	1	1
	Other restraint used	3	1	0	0	0	0	0	0	0	1	0
	Restraint not used	3	0	1	0	0	0	1	0	1	0	1
	Restraint use unknown	3	0	0	2	0	0	0	0	0	0	1
	Subtotal	3	1	1	2	0	0	1	0	1	2	3
	Child restraint used	4	0	0	0	0	0	0	0	0	0	1
	Other restraint used	4	0	0	0	0	1	0	1	0	0	0
	Restraint not used	4	1	0	0	0	0	1	0	1	1	1
	Restraint use unknown	4	0	0	0	1	0	0	0	0	0	0
	Subtotal	4	1	0	0	1	1	1	1	1	1	2
	Child restraint used	5	0	0	0	0	0	0	0	0	0	0
	Other restraint used	5	0	0	1	0	0	0	0	0	1	0
	Restraint not used	5	1	1	2	0	2	0	0	2	2	0
	Restraint use unknown	5	0	0	0	0	0	1	1	0	0	1
	Subtotal	5	1	1	3	0	2	1	1	2	3	1
	Child restraint used	0-5	2	1	3	2	1	0	0	1	2	6
	Other restraint used	0-5	2	0	1	2	1	0	1	0	2	0
	Restraint not used	0-5	2	4	3	1	8	4	0	5	7	6
	Restraint use unknown	0-5	1	0	3	2	0	1	2	1	0	2
	Total	0-5	7	5	10	7	10	5	3	7	11	14

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 50: Passenger Car and Light Truck Occupants Under Age 6 Killed or Injured by Restraint Use

STATE	RESTRAINT USE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURED						
Kansas	Child restraint used	0-1	131	117	103	136	126	141	138	153	141	151
	Other restraint used	0-1	24	25	22	18	14	30	20	22	26	19
	Restraint not used	0-1	32	38	43	21	26	20	35	39	37	28
	Restraint use unknown	0-1	21	26	35	18	7	17	7	5	5	7
	Subtotal	0-1	208	206	203	193	173	208	200	219	209	205
	Child restraint used	2	84	47	44	84	76	56	83	76	72	85
	Other restraint used	2	26	31	39	35	15	40	33	23	24	33
	Restraint not used	2	40	37	46	26	34	41	36	25	32	30
	Restraint use unknown	2	13	28	31	13	5	10	9	4	3	4
	Subtotal	2	163	143	160	158	130	147	161	128	131	152
	Child restraint used	3	59	35	36	68	52	54	50	53	56	67
	Other restraint used	3	45	49	45	40	48	55	55	59	38	44
	Restraint not used	3	51	58	57	26	39	45	52	47	46	30
	Restraint use unknown	3	16	26	23	21	19	3	11	11	10	5
	Subtotal	3	171	168	161	155	158	157	168	170	150	146
	Child restraint used	4	57	13	17	38	21	10	18	17	23	36
	Other restraint used	4	53	74	84	68	96	93	100	106	85	92
	Restraint not used	4	46	64	58	33	46	45	42	32	44	32
	Restraint use unknown	4	11	21	21	16	18	11	14	9	13	8
	Subtotal	4	167	172	180	155	181	159	174	164	165	168
	Child restraint used	5	7	6	5	5	7	4	4	9	7	13
	Other restraint used	5	94	94	94	98	88	114	100	114	115	108
	Restraint not used	5	80	70	59	53	52	54	49	36	58	42
	Restraint use unknown	5	23	15	21	16	16	10	10	8	7	4
	Subtotal	5	204	185	179	172	163	182	163	167	187	167
	Child restraint used	0-5	338	218	205	331	282	265	293	308	299	352
	Other restraint used	0-5	242	273	284	259	261	332	308	324	288	296
	Restraint not used	0-5	249	267	263	159	197	205	214	179	217	162
	Restraint use unknown	0-5	84	116	131	84	65	51	51	37	38	28
	Total	0-5	913	874	883	833	805	853	866	848	842	838

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 50: Passenger Car and Light Truck Occupants Under Age 6 Killed or Injured by Restraint Use

STATE	RESTRAINT USE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED						
Maryland	Child restraint used	0-1	2	4	1	1	2	2	1	0	3	3
	Other restraint used	0-1	0	0	0	0	0	0	0	0	0	0
	Restraint not used	0-1	1	1	2	4	1	1	3	1	0	0
	Restraint use unknown	0-1	0	1	0	0	0	0	0	0	0	0
	Subtotal	0-1	3	6	3	5	3	3	4	1	3	3
	Child restraint used	2	0	1	2	1	2	2	0	0	0	0
	Other restraint used	2	0	0	0	1	0	1	0	0	0	0
	Restraint not used	2	0	1	1	0	0	0	3	1	0	0
	Subtotal	2	0	2	3	2	2	3	3	1	0	0
	Child restraint used	3	0	1	0	1	2	0	0	0	0	0
	Other restraint used	3	0	2	0	0	1	1	1	0	0	0
	Restraint not used	3	1	0	1	1	1	2	2	0	0	0
	Restraint use unknown	3	0	0	0	0	0	0	0	0	0	1
	Subtotal	3	1	3	1	2	4	3	3	0	0	1
	Child restraint used	4	0	0	0	0	0	0	0	1	0	0
	Other restraint used	4	1	1	0	0	0	2	1	2	1	0
	Restraint not used	4	2	0	1	0	0	1	0	1	0	0
	Subtotal	4	3	1	1	0	0	3	1	4	1	0
	Child restraint used	5	0	0	0	0	0	0	0	0	0	0
	Other restraint used	5	0	1	0	0	0	1	0	0	1	0
	Restraint not used	5	1	0	2	0	0	0	2	0	2	1
	Restraint use unknown	5	0	0	0	0	1	0	0	0	0	0
	Subtotal	5	1	1	2	0	1	1	2	0	3	1
	Child restraint used	0-5	2	6	3	3	6	4	1	1	3	3
	Other restraint used	0-5	1	4	0	1	1	5	2	2	2	0
	Restraint not used	0-5	5	2	7	5	2	4	10	3	2	1
	Restraint use unknown	0-5	0	1	0	0	1	0	0	0	0	1
	Total	0-5	8	13	10	9	10	13	13	6	7	5

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 50: Passenger Car and Light Truck Occupants Under Age 6 Killed or Injured by Restraint Use

STATE	RESTRAINT USE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURED						
Maryland	Child restraint used	0-1	427	437	489	305	389	375	373	353	334	352
	Other restraint used	0-1	92	70	103	139	136	130	105	107	67	113
	Restraint not used	0-1	92	60	71	116	98	107	58	60	24	41
	Restraint use unknown	0-1	30	40	58	8	15	9	23	8	14	9
	Subtotal	0-1	641	607	721	568	638	621	559	528	439	515
	Child restraint used	2	217	236	225	194	190	192	199	199	191	181
	Other restraint used	2	158	123	126	85	90	78	79	83	57	49
	Restraint not used	2	93	55	68	46	46	57	46	29	29	23
	Restraint use unknown	2	30	37	42	8	12	4	9	14	6	10
	Subtotal	2	498	451	461	333	338	331	333	325	283	263
	Child restraint used	3	99	95	181	116	148	142	118	135	130	135
	Other restraint used	3	257	250	228	131	186	173	149	149	99	98
	Restraint not used	3	91	55	57	65	64	61	52	32	18	24
	Restraint use unknown	3	28	32	42	9	16	14	13	11	10	16
	Subtotal	3	475	432	508	321	414	390	332	327	257	273
	Child restraint used	4	46	38	68	58	65	72	78	58	79	86
	Other restraint used	4	334	264	299	198	238	242	243	201	184	175
	Restraint not used	4	98	59	82	55	70	73	66	54	31	35
	Restraint use unknown	4	29	40	39	9	15	14	23	16	10	8
	Subtotal	4	507	401	488	320	388	401	410	329	304	304
	Child restraint used	5	7	12	19	20	13	31	30	27	30	44
	Other restraint used	5	311	278	318	211	278	254	284	250	224	203
	Restraint not used	5	99	74	81	61	77	74	71	48	39	34
	Restraint use unknown	5	30	39	35	13	14	14	16	12	11	6
	Subtotal	5	447	403	453	305	382	373	401	337	304	287
	Child restraint used	0-5	796	818	982	693	805	812	798	772	764	798
	Other restraint used	0-5	1,152	985	1,074	764	928	877	860	790	631	638
	Restraint not used	0-5	473	303	359	343	355	372	293	223	141	157
	Restraint use unknown	0-5	147	188	216	47	72	55	84	61	51	49
	Total	0-5	2,568	2,294	2,631	1,847	2,160	2,116	2,035	1,846	1,587	1,642

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 50: Passenger Car and Light Truck Occupants Under Age 6 Killed or Injured by Restraint Use

STATE	RESTRAINT USE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED						
Michigan	Child restraint used	0-1	4	6	4	2	1	3	8	1	2	4
	Other restraint used	0-1	0	1	1	1	3	0	0	0	0	0
	Restraint not used	0-1	6	4	0	2	5	4	3	1	3	1
	Restraint use unknown	0-1	1	1	1	2	0	0	1	0	0	0
	Subtotal	0-1	11	12	6	7	9	7	12	2	5	5
	Child restraint used	2	1	0	1	0	2	5	1	1	1	3
	Other restraint used	2	0	0	0	4	0	2	1	2	0	0
	Restraint not used	2	0	1	1	1	3	3	1	1	0	1
	Restraint use unknown	2	0	0	0	0	1	0	0	0	1	0
	Subtotal	2	1	1	2	5	6	10	3	4	2	4
	Child restraint used	3	0	0	1	0	0	1	1	2	3	1
	Other restraint used	3	0	1	2	0	2	2	3	2	1	1
	Restraint not used	3	1	1	1	0	1	2	4	1	0	2
	Restraint use unknown	3	0	1	0	1	1	0	1	0	0	0
	Subtotal	3	1	3	4	1	4	5	9	5	4	4
	Child restraint used	4	0	0	0	0	0	1	0	1	0	0
	Other restraint used	4	0	3	1	0	3	1	5	0	1	1
	Restraint not used	4	1	2	3	2	4	0	2	1	1	1
	Restraint use unknown	4	1	0	1	0	0	0	0	0	1	0
	Subtotal	4	2	5	5	2	7	2	7	2	3	2
	Child restraint used	5	0	0	0	0	0	1	0	0	0	0
	Other restraint used	5	3	2	1	0	0	3	1	0	0	1
	Restraint not used	5	2	3	0	2	1	2	0	1	0	2
	Restraint use unknown	5	0	0	1	0	0	1	0	1	0	0
	Subtotal	5	5	5	2	2	1	7	1	2	0	3
	Child restraint used	0-5	5	6	6	2	3	11	10	5	6	8
	Other restraint used	0-5	3	7	5	5	8	8	10	4	2	3
	Restraint not used	0-5	10	11	5	7	14	11	10	5	4	7
	Restraint use unknown	0-5	2	2	3	3	2	1	2	1	2	0
	Total	0-5	20	26	19	17	27	31	32	15	14	18

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 50: Passenger Car and Light Truck Occupants Under Age 6 Killed or Injured by Restraint Use

STATE	RESTRAINT USE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURED						
Michigan	Child restraint used	0-1	350	295	340	411	462	473	475	403	392	410
	Other restraint used	0-1	268	232	81	93	119	99	106	87	103	95
	Restraint not used	0-1	170	112	79	74	84	103	72	52	39	61
	Restraint use unknown	0-1	49	71	17	23	13	20	20	17	26	21
	Subtotal	0-1	837	710	517	601	678	695	673	559	560	587
	Child restraint used	2	107	148	108	138	160	169	165	137	150	169
	Other restraint used	2	298	286	131	144	148	149	148	85	85	105
	Restraint not used	2	147	121	75	73	83	80	57	49	50	33
	Restraint use unknown	2	49	52	10	15	15	15	16	8	14	11
	Subtotal	2	601	607	324	370	406	413	386	279	299	318
	Child restraint used	3	68	62	61	83	102	125	119	84	112	118
	Other restraint used	3	386	350	182	290	287	307	293	230	219	174
	Restraint not used	3	191	169	87	109	95	121	100	61	57	63
	Restraint use unknown	3	31	54	11	17	20	23	17	12	21	10
	Subtotal	3	676	635	341	499	504	576	529	387	409	365
	Child restraint used	4	10	15	26	27	45	45	44	55	40	67
	Other restraint used	4	462	463	239	340	436	425	426	347	319	301
	Restraint not used	4	186	145	80	84	114	98	77	66	61	57
	Restraint use unknown	4	37	37	14	10	19	21	22	12	11	20
	Subtotal	4	695	660	359	461	614	589	569	480	431	445
	Child restraint used	5	13	11	7	12	10	20	24	16	16	26
	Other restraint used	5	437	440	243	367	374	512	470	378	403	346
	Restraint not used	5	210	166	108	95	98	149	117	76	69	60
	Restraint use unknown	5	51	40	14	18	23	29	18	23	18	16
	Subtotal	5	711	657	372	492	505	710	629	493	506	448
	Child restraint used	0-5	548	531	542	671	779	832	827	695	710	790
	Other restraint used	0-5	1,851	1,771	876	1,234	1,364	1,492	1,443	1,127	1,129	1,021
	Restraint not used	0-5	904	713	429	435	474	551	423	304	276	274
	Restraint use unknown	0-5	217	254	66	83	90	108	93	72	90	78
	Total	0-5	3,520	3,269	1,913	2,423	2,707	2,983	2,786	2,198	2,205	2,163

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 50: Passenger Car and Light Truck Occupants Under Age 6 Killed or Injured by Restraint Use

STATE	RESTRAINT USE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED						
Missouri	Child restraint used	0-1	4	3	3	6	1	1	4	5	6	3
	Other restraint used	0-1	1	0	0	1	1	0	2	2	0	0
	Restraint not used	0-1	4	5	3	1	1	0	3	2	4	3
	Restraint use unknown	0-1	1	1	0	0	0	0	0	0	1	1
	Subtotal	0-1	10	9	6	8	3	1	9	9	11	7
	Child restraint used	2	1	0	2	1	0	1	0	1	2	0
	Other restraint used	2	0	0	1	0	0	1	1	1	0	0
	Restraint not used	2	3	2	0	0	6	1	0	2	0	1
	Restraint use unknown	2	1	0	1	0	0	1	0	1	1	0
	Subtotal	2	5	2	4	1	6	4	1	5	3	1
	Child restraint used	3	0	0	1	0	0	0	1	1	1	1
	Other restraint used	3	0	0	0	0	1	0	0	0	1	0
	Restraint not used	3	0	1	1	1	1	4	1	0	2	1
	Restraint use unknown	3	1	0	0	0	0	0	1	1	0	0
	Subtotal	3	1	1	2	1	2	4	3	2	4	2
	Child restraint used	4	0	0	0	0	0	0	0	0	0	0
	Other restraint used	4	1	1	0	0	1	0	1	1	2	0
	Restraint not used	4	0	0	2	0	1	2	4	1	2	1
	Restraint use unknown	4	0	0	0	1	0	0	1	0	0	0
	Subtotal	4	1	1	2	1	2	2	6	2	4	1
	Child restraint used	5	0	0	0	0	0	0	0	0	0	0
	Other restraint used	5	1	0	1	1	1	0	3	2	1	1
	Restraint not used	5	7	1	2	1	2	2	1	3	4	1
	Restraint use unknown	5	1	0	0	0	0	2	1	0	1	0
	Subtotal	5	9	1	3	2	3	4	5	5	6	2
	Child restraint used	0-5	5	3	6	7	1	2	5	7	9	4
	Other restraint used	0-5	3	1	2	2	4	1	7	6	4	1
	Restraint not used	0-5	14	9	8	3	11	9	9	8	12	7
	Restraint use unknown	0-5	4	1	1	1	0	3	3	2	3	1
	Total	0-5	26	14	17	13	16	15	24	23	28	13

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 50: Passenger Car and Light Truck Occupants Under Age 6 Killed or Injured by Restraint Use

STATE	RESTRAINT USE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURED						
Missouri	Child restraint used	0-1	234	205	246	328	387	358	424	462	435	413
	Other restraint used	0-1	145	120	135	82	84	83	76	70	52	60
	Restraint not used	0-1	137	111	113	113	119	87	71	62	49	54
	Restraint use unknown	0-1	34	20	27	32	29	30	33	47	21	19
	Subtotal	0-1	550	456	521	555	619	558	604	641	557	546
	Child restraint used	2	68	68	77	133	149	144	158	150	163	180
	Other restraint used	2	115	131	105	113	123	86	86	77	81	51
	Restraint not used	2	113	91	83	107	92	83	73	51	63	45
	Restraint use unknown	2	10	23	19	22	34	22	25	28	26	20
	Subtotal	2	306	313	284	375	398	335	342	306	333	296
	Child restraint used	3	34	32	50	59	92	75	98	130	116	126
	Other restraint used	3	160	163	162	170	197	180	172	171	138	130
	Restraint not used	3	163	100	102	127	121	112	105	69	65	54
	Restraint use unknown	3	32	19	38	41	28	32	32	32	24	20
	Subtotal	3	389	314	352	397	438	399	407	402	343	330
	Child restraint used	4	16	14	20	28	43	34	33	52	48	46
	Other restraint used	4	184	198	200	220	259	271	274	229	262	218
	Restraint not used	4	164	129	123	126	131	114	100	100	72	76
	Restraint use unknown	4	28	26	27	33	50	43	49	42	29	26
	Subtotal	4	392	367	370	407	483	462	456	423	411	366
	Child restraint used	5	8	4	7	16	7	8	12	14	10	16
	Other restraint used	5	177	164	203	244	259	285	287	316	276	271
	Restraint not used	5	166	129	128	136	135	140	113	107	84	70
	Restraint use unknown	5	29	25	31	39	38	53	65	38	40	25
	Subtotal	5	380	322	369	435	439	486	477	475	410	382
	Child restraint used	0-5	360	323	400	564	678	619	725	808	772	781
	Other restraint used	0-5	781	776	805	829	922	905	895	863	809	730
	Restraint not used	0-5	743	560	549	609	598	536	462	389	333	299
	Restraint use unknown	0-5	133	113	142	167	179	180	204	187	140	110
	Total	0-5	2,017	1,772	1,896	2,169	2,377	2,240	2,286	2,247	2,054	1,920

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 50: Passenger Car and Light Truck Occupants Under Age 6 Killed or Injured by Restraint Use

STATE	RESTRAINT USE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED						
New Mexico	Child restraint used	0-1	0	0	0	0	0	0	1	2	0	1
	Other restraint used	0-1	0	0	0	0	1	0	0	0	0	0
	Restraint not used	0-1	2	0	2	3	4	1	1	1	1	1
	Restraint use unknown	0-1	0	1	1	0	1	2	1	1	0	0
	Subtotal	0-1	2	1	3	3	6	3	3	4	1	2
	Child restraint used	2	0	0	0	0	0	0	1	0	0	0
	Other restraint used	2	1	0	0	0	0	0	0	2	0	0
	Restraint not used	2	1	0	2	0	0	0	0	0	0	1
	Restraint use unknown	2	0	1	0	0	0	0	0	0	0	0
	Subtotal	2	2	1	2	0	0	0	1	2	0	1
	Child restraint used	3	0	0	0	0	1	0	0	3	0	0
	Other restraint used	3	0	0	0	0	0	0	0	1	0	0
	Restraint not used	3	1	1	2	1	0	2	4	1	1	0
	Restraint use unknown	3	0	0	1	1	3	0	0	0	0	0
	Subtotal	3	1	1	3	2	4	2	4	5	1	0
	Child restraint used	4	0	0	0	0	0	0	0	0	0	0
	Other restraint used	4	0	0	1	0	1	1	0	2	0	0
	Restraint not used	4	0	0	1	0	1	5	0	0	0	0
	Restraint use unknown	4	2	0	1	1	0	0	1	0	0	0
	Subtotal	4	2	0	3	1	2	6	1	2	0	0
	Child restraint used	5	0	0	0	0	1	0	0	0	0	0
	Other restraint used	5	1	0	1	0	0	1	0	0	1	1
	Restraint not used	5	0	2	0	1	1	0	1	1	1	1
	Subtotal	5	1	2	1	1	2	1	1	1	2	2
	Child restraint used	0-5	0	0	0	0	2	0	2	5	0	1
	Other restraint used	0-5	2	0	2	0	2	2	0	5	1	1
	Restraint not used	0-5	4	3	7	5	6	8	6	3	3	3
	Restraint use unknown	0-5	2	2	3	2	4	2	2	1	0	0
	Total	0-5	8	5	12	7	14	12	10	14	4	5

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 50: Passenger Car and Light Truck Occupants Under Age 6 Killed or Injured by Restraint Use

STATE	RESTRAINT USE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURED						
New Mexico	Child restraint used	0-1	78	77	72	48	95	95	91	107	82	90
	Other restraint used	0-1	31	29	34	33	26	31	26	29	24	22
	Restraint not used	0-1	27	20	23	16	21	13	18	17	13	7
	Restraint use unknown	0-1	8	8	25	43	16	43	9	8	2	6
	Subtotal	0-1	144	134	154	140	158	182	144	161	121	125
	Child restraint used	2	31	37	36	18	43	60	77	63	74	58
	Other restraint used	2	41	47	53	41	57	40	45	32	38	27
	Restraint not used	2	34	22	34	26	22	20	16	17	19	4
	Restraint use unknown	2	5	4	26	36	19	30	11	6	3	2
	Subtotal	2	111	110	149	121	141	150	149	118	134	91
	Child restraint used	3	26	25	33	16	30	42	50	54	52	40
	Other restraint used	3	79	67	82	85	90	91	86	74	76	70
	Restraint not used	3	33	39	30	36	24	27	33	21	15	11
	Restraint use unknown	3	10	4	9	21	15	24	9	10	2	2
	Subtotal	3	148	135	154	158	159	184	178	159	145	123
	Child restraint used	4	18	16	11	11	19	19	21	29	31	18
	Other restraint used	4	93	89	92	95	117	130	113	106	92	98
	Restraint not used	4	35	45	32	39	36	32	23	22	24	18
	Restraint use unknown	4	5	9	9	18	10	13	9	3	1	2
	Subtotal	4	151	159	144	163	182	194	166	160	148	136
	Child restraint used	5	8	5	3	6	4	7	10	14	13	22
	Other restraint used	5	103	93	112	102	128	159	141	129	109	103
	Restraint not used	5	43	33	44	37	32	33	26	39	18	16
	Restraint use unknown	5	7	4	5	9	10	10	7	9	3	4
	Subtotal	5	161	135	164	154	174	209	184	191	143	145
	Child restraint used	0-5	161	160	155	99	191	223	249	267	252	228
	Other restraint used	0-5	347	325	373	356	418	451	411	370	339	320
	Restraint not used	0-5	172	159	163	154	135	125	116	116	89	56
	Restraint use unknown	0-5	35	29	74	127	70	120	45	36	11	16
	Total	0-5	715	673	765	736	814	919	821	789	691	620

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 50: Passenger Car and Light Truck Occupants Under Age 6 Killed or Injured by Restraint Use

STATE	RESTRAINT USE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED						
North Carolina	Child restraint used	0-1	*	*	0	3	2	3	3	3	2	6
	Other restraint used	0-1	*	*	0	0	1	2	0	0	0	0
	Restraint not used	0-1	*	*	5	2	2	1	1	0	0	2
	Restraint use unknown	0-1	*	*	0	0	1	0	0	0	1	0
	Subtotal	0-1	*	*	5	5	6	6	4	3	3	8
	Child restraint used	2	*	*	1	1	1	1	1	2	0	1
	Other restraint used	2	*	*	0	0	2	1	2	0	1	0
	Restraint not used	2	*	*	3	2	2	1	2	0	0	0
	Restraint use unknown	2	*	*	0	1	0	0	0	0	1	0
	Subtotal	2	*	*	4	4	5	3	5	2	2	1
	Child restraint used	3	*	*	0	1	1	0	2	1	1	1
	Other restraint used	3	*	*	1	0	1	2	1	2	1	1
	Restraint not used	3	*	*	3	3	2	3	1	4	1	0
	Restraint use unknown	3	*	*	0	1	0	0	0	0	0	0
	Subtotal	3	*	*	4	5	4	5	4	7	3	2
	Child restraint used	4	*	*	0	0	0	0	0	1	1	1
	Other restraint used	4	*	*	1	0	1	2	1	1	1	2
	Restraint not used	4	*	*	2	6	5	1	3	1	2	1
	Restraint use unknown	4	*	*	0	0	0	1	0	4	0	0
	Subtotal	4	*	*	3	6	6	4	4	7	4	4
	Child restraint used	5	*	*	0	0	0	0	0	0	0	0
	Other restraint used	5	*	*	0	1	1	1	4	1	2	0
	Restraint not used	5	*	*	2	3	3	1	1	2	1	2
	Restraint use unknown	5	*	*	0	1	1	0	0	1	1	1
	Subtotal	5	*	*	2	5	5	2	5	4	4	3
	Child restraint used	0-5	*	*	2	9	8	8	15	9	7	11
	Other restraint used	0-5	*	*	2	3	7	9	8	4	6	5
	Restraint not used	0-5	*	*	16	23	14	11	11	9	7	5
	Restraint use unknown	0-5	*	*	0	10	4	1	2	6	5	5
	Total	0-5	*	*	20	45	33	29	36	28	25	26

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 50: Passenger Car and Light Truck Occupants Under Age 6 Killed or Injured by Restraint Use

STATE	RESTRAINT USE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURED						
North Carolina	Child restraint used	0-1	*	*	343	367	390	423	443	418	448	461
	Other restraint used	0-1	*	*	72	70	112	90	127	87	81	86
	Restraint not used	0-1	*	*	71	89	65	61	43	48	47	41
	Restraint use unknown	0-1	*	*	10	13	15	13	12	17	17	13
	Subtotal	0-1	*	*	496	539	582	587	625	570	593	601
	Child restraint used	2	*	*	255	283	289	368	391	425	393	403
	Other restraint used	2	*	*	194	199	199	213	185	142	159	145
	Restraint not used	2	*	*	105	94	73	76	65	64	51	41
	Restraint use unknown	2	*	*	13	19	18	22	31	14	23	22
	Subtotal	2	*	*	567	595	579	679	672	645	626	611
	Child restraint used	3	*	*	97	131	174	216	266	299	302	307
	Other restraint used	3	*	*	379	447	486	441	362	295	297	238
	Restraint not used	3	*	*	132	124	106	90	78	67	73	67
	Restraint use unknown	3	*	*	25	23	18	26	29	21	15	18
	Subtotal	3	*	*	633	725	784	773	735	682	687	630
	Child restraint used	4	*	*	49	70	63	74	106	133	126	162
	Other restraint used	4	*	*	473	570	584	652	600	594	543	542
	Restraint not used	4	*	*	134	132	108	121	101	82	78	58
	Restraint use unknown	4	*	*	28	34	24	37	23	20	29	20
	Subtotal	4	*	*	684	806	779	884	830	829	776	782
	Child restraint used	5	*	*	13	22	17	22	35	42	36	56
	Other restraint used	5	*	*	419	490	572	688	706	685	673	663
	Restraint not used	5	*	*	152	127	119	115	95	79	84	66
	Restraint use unknown	5	*	*	29	34	22	36	18	29	26	24
	Subtotal	5	*	*	613	673	730	861	854	835	819	809
	Child restraint used	0-5	*	*	979	1,158	1,211	1,433	1,511	1,585	1,553	1,658
	Other restraint used	0-5	*	*	1,868	2,106	2,381	2,509	2,383	2,231	2,157	2,069
	Restraint not used	0-5	*	*	739	699	591	564	495	439	430	374
	Restraint use unknown	0-5	*	*	212	218	195	223	239	210	202	197
	Total	0-5	*	*	3,798	4,181	4,378	4,729	4,628	4,465	4,342	4,298

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 50: Passenger Car and Light Truck Occupants Under Age 6 Killed or Injured by Restraint Use

STATE	RESTRAINT USE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED						
Ohio	Child restraint used	0-1	4	3	3	8	3	6	10	3	7	5
	Other restraint used	0-1	2	0	0	1	0	0	0	0	0	1
	Restraint not used	0-1	3	1	3	2	1	0	3	1	1	1
	Restraint use unknown	0-1	0	0	0	0	0	0	0	0	1	0
	Subtotal	0-1	9	4	6	11	4	6	13	4	9	7
	Child restraint used	2	1	1	2	0	1	2	0	1	2	1
	Other restraint used	2	1	1	1	0	0	0	0	2	0	1
	Restraint not used	2	1	3	0	2	0	2	0	0	0	3
	Subtotal	2	3	5	3	2	1	4	0	3	2	5
	Child restraint used	3	0	0	0	0	0	1	0	1	0	0
	Other restraint used	3	0	0	1	1	2	1	1	2	1	0
	Restraint not used	3	3	3	5	2	2	0	1	1	2	0
	Restraint use unknown	3	0	1	0	0	0	0	0	0	1	0
	Subtotal	3	3	4	6	3	4	2	2	4	4	0
	Child restraint used	4	1	0	0	0	0	0	2	1	0	0
	Other restraint used	4	1	2	2	1	0	2	0	3	1	0
	Restraint not used	4	2	3	0	2	2	1	1	1	2	0
	Restraint use unknown	4	0	0	1	0	0	0	0	1	0	0
	Subtotal	4	4	5	3	3	2	3	3	6	3	0
	Child restraint used	5	0	0	0	0	1	0	0	0	0	0
	Other restraint used	5	1	2	1	2	0	1	1	4	3	0
	Restraint not used	5	2	1	2	4	3	0	1	4	3	0
	Subtotal	5	3	3	3	6	4	1	2	8	6	0
	Child restraint used	0-5	2	3	4	2	4	5	6	4	3	4
	Other restraint used	0-5	5	5	5	5	2	4	2	11	5	2
	Restraint not used	0-5	9	10	7	11	8	3	4	7	7	3
	Restraint use unknown	0-5	0	1	1	0	0	0	0	1	2	0
	Total	0-5	16	19	17	18	14	12	12	23	17	9

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 50: Passenger Car and Light Truck Occupants Under Age 6 Killed or Injured by Restraint Use

STATE	RESTRAINT USE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURED						
Ohio	Child restraint used	0-1	1,257	1,315	1,448	1,525	1,651	1,742	1,865	1,906	1,878	1,857
	Other restraint used	0-1	300	283	295	313	284	221	231	226	237	191
	Restraint not used	0-1	263	206	181	170	147	123	93	89	85	74
	Restraint use unknown	0-1	137	108	103	92	87	89	96	67	64	32
	Subtotal	0-1	1,957	1,912	2,027	2,100	2,169	2,175	2,285	2,288	2,264	2,154
	Child restraint used	2	322	417	443	495	614	674	691	710	754	715
	Other restraint used	2	350	399	408	404	357	365	343	305	243	211
	Restraint not used	2	205	203	197	160	123	91	103	86	87	53
	Restraint use unknown	2	70	85	77	83	64	74	58	48	44	32
	Subtotal	2	947	1,104	1,125	1,142	1,158	1,204	1,195	1,149	1,128	1,011
	Child restraint used	3	165	202	249	315	368	442	468	476	519	495
	Other restraint used	3	475	559	593	606	592	600	555	500	470	432
	Restraint not used	3	269	203	213	250	192	156	128	108	113	68
	Restraint use unknown	3	81	78	91	91	92	70	70	62	62	41
	Subtotal	3	990	1,042	1,146	1,262	1,244	1,268	1,221	1,146	1,164	1,036
	Child restraint used	4	72	63	89	89	147	151	197	241	221	241
	Other restraint used	4	646	637	681	836	921	904	889	853	728	780
	Restraint not used	4	286	258	238	214	216	175	153	129	106	84
	Restraint use unknown	4	97	102	93	90	98	80	97	86	84	55
	Subtotal	4	1,101	1,060	1,101	1,229	1,382	1,310	1,336	1,309	1,139	1,160
	Child restraint used	5	20	22	37	39	45	50	57	70	71	99
	Other restraint used	5	538	653	755	825	881	948	995	950	914	830
	Restraint not used	5	275	269	237	275	215	217	190	146	147	117
	Restraint use unknown	5	79	84	94	74	99	84	94	95	66	65
	Subtotal	5	912	1,028	1,123	1,213	1,240	1,299	1,336	1,261	1,198	1,111
	Child restraint used	0-5	1,112	1,300	1,482	1,657	1,984	2,176	2,300	2,411	2,469	2,427
	Other restraint used	0-5	2,201	2,442	2,632	2,867	2,938	2,956	2,921	2,743	2,484	2,365
	Restraint not used	0-5	1,180	1,045	984	994	821	709	628	517	503	366
	Restraint use unknown	0-5	392	407	405	384	401	355	380	319	294	208
	Total	0-5	4,885	5,194	5,503	5,902	6,144	6,196	6,229	5,990	5,750	5,366

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 50: Passenger Car and Light Truck Occupants Under Age 6 Killed or Injured by Restraint Use

STATE	RESTRAINT USE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED						
Pennsylvania	Child restraint used	0-1	1	2	3	4	3	7	2	4	3	3
	Other restraint used	0-1	1	0	0	0	1	1	1	0	0	0
	Restraint not used	0-1	0	1	2	3	4	0	1	3	0	1
	Restraint use unknown	0-1	1	0	0	1	1	0	0	0	1	0
	Subtotal	0-1	3	3	5	8	9	8	4	7	4	4
	Child restraint used	2	1	1	0	0	0	2	1	0	0	2
	Other restraint used	2	1	0	0	0	0	1	0	0	0	0
	Restraint not used	2	0	2	0	3	4	1	1	2	0	2
	Restraint use unknown	2	0	1	0	0	0	1	1	1	0	0
	Subtotal	2	2	4	0	3	4	5	3	3	0	4
	Child restraint used	3	0	0	2	1	1	0	0	1	0	0
	Other restraint used	3	1	1	1	0	1	1	0	0	0	1
	Restraint not used	3	3	1	0	0	1	2	1	4	0	0
	Restraint use unknown	3	0	0	0	1	0	0	0	0	1	1
	Subtotal	3	4	2	3	2	3	3	1	5	1	2
	Child restraint used	4	1	0	3	0	1	0	1	0	0	0
	Other restraint used	4	0	1	1	1	3	1	1	0	2	0
	Restraint not used	4	1	0	3	1	0	3	3	2	1	0
	Restraint use unknown	4	1	1	0	0	0	0	0	0	0	1
	Subtotal	4	3	2	7	2	4	4	5	2	3	1
	Child restraint used	5	0	0	0	0	0	0	1	0	1	0
	Other restraint used	5	0	0	0	0	1	2	1	0	0	2
	Restraint not used	5	1	3	2	0	1	0	0	0	1	0
	Restraint use unknown	5	3	0	0	2	0	0	0	0	2	0
	Subtotal	5	4	3	2	2	2	2	2	0	4	2
	Child restraint used	0-5	3	3	8	5	5	9	5	5	4	5
	Other restraint used	0-5	3	2	2	1	6	6	3	0	2	3
	Restraint not used	0-5	5	7	7	7	10	6	6	11	2	3
	Restraint use unknown	0-5	5	2	0	4	1	1	1	1	4	2
	Total	0-5	16	14	17	17	22	22	15	17	12	13

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 50: Passenger Car and Light Truck Occupants Under Age 6 Killed or Injured by Restraint Use

STATE	RESTRAINT USE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURED						
Pennsylvania	Child restraint used	0-1	465	482	500	496	506	519	535	519	544	511
	Other restraint used	0-1	84	81	55	61	45	45	35	35	42	23
	Restraint not used	0-1	124	91	93	60	72	48	41	49	40	37
	Restraint use unknown	0-1	141	89	122	101	106	130	103	96	99	113
	Subtotal	0-1	814	743	770	718	729	742	714	699	725	684
	Child restraint used	2	157	171	189	210	204	244	224	239	237	225
	Other restraint used	2	134	129	142	84	72	72	76	50	43	57
	Restraint not used	2	104	99	91	64	54	68	43	21	33	31
	Restraint use unknown	2	89	72	94	90	78	70	64	74	69	75
	Subtotal	2	484	471	516	448	408	454	407	384	382	388
	Child restraint used	3	111	109	103	136	174	198	204	216	190	209
	Other restraint used	3	247	212	239	213	174	180	152	139	130	113
	Restraint not used	3	152	108	107	86	79	82	70	73	66	55
	Restraint use unknown	3	116	86	102	114	99	104	109	90	98	102
	Subtotal	3	626	515	551	549	526	564	535	518	484	479
	Child restraint used	4	39	41	44	74	65	93	82	82	93	111
	Other restraint used	4	299	334	311	320	324	354	378	299	261	255
	Restraint not used	4	169	123	114	112	92	101	71	82	85	78
	Restraint use unknown	4	143	77	143	138	153	120	133	130	128	114
	Subtotal	4	650	575	612	644	634	668	664	593	567	558
	Child restraint used	5	12	16	13	19	21	18	27	32	27	46
	Other restraint used	5	322	360	323	350	360	384	394	362	347	350
	Restraint not used	5	185	111	137	123	121	108	104	100	89	80
	Restraint use unknown	5	122	104	113	114	136	148	124	117	125	121
	Subtotal	5	641	591	586	606	638	658	649	611	588	597
	Child restraint used	0-5	784	819	849	935	970	1,072	1,072	1,088	1,091	1,102
	Other restraint used	0-5	1,086	1,116	1,070	1,028	975	1,035	1,035	885	823	798
	Restraint not used	0-5	734	532	542	445	418	407	329	325	313	281
	Restraint use unknown	0-5	611	428	574	557	572	572	533	507	519	525
	Total	0-5	3,215	2,895	3,035	2,965	2,935	3,086	2,969	2,805	2,746	2,706

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 50: Passenger Car and Light Truck Occupants Under Age 6 Killed or Injured by Restraint Use

STATE	RESTRAINT USE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED						
Texas	Child restraint used	0-1	5	9	8	4	13	10	11	16	9	21
	Other restraint used	0-1	1	2	1	2	1	1	1	2	1	2
	Restraint not used	0-1	19	19	21	20	23	12	17	16	15	13
	Restraint use unknown	0-1	3	2	1	2	2	3	1	1	2	2
	Subtotal	0-1	28	32	31	28	39	26	30	35	27	38
	Child restraint used	2	2	1	6	1	3	1	1	4	4	4
	Other restraint used	2	1	3	1	0	1	2	5	0	1	1
	Restraint not used	2	7	8	8	12	7	7	5	2	6	7
	Restraint use unknown	2	0	0	1	1	0	0	2	0	1	1
	Subtotal	2	10	12	16	14	11	10	13	6	12	13
	Child restraint used	3	0	2	0	0	1	0	0	0	1	3
	Other restraint used	3	0	1	5	4	1	3	2	0	1	1
	Restraint not used	3	10	9	6	9	5	3	12	9	8	6
	Restraint use unknown	3	0	1	0	1	1	0	1	1	2	0
	Subtotal	3	10	13	11	14	8	6	15	10	12	10
	Child restraint used	4	0	0	0	0	0	0	0	2	0	1
	Other restraint used	4	1	2	4	2	2	3	3	7	0	8
	Restraint not used	4	5	10	3	2	7	8	6	9	12	7
	Restraint use unknown	4	0	1	0	0	5	0	1	2	0	1
	Subtotal	4	6	13	7	4	14	11	10	20	12	17
	Child restraint used	5	0	0	0	0	0	0	0	0	0	1
	Other restraint used	5	0	2	2	0	2	1	4	2	6	7
	Restraint not used	5	13	3	7	9	3	6	4	3	9	7
	Restraint use unknown	5	1	1	0	0	0	0	1	2	2	2
	Subtotal	5	14	6	9	9	5	7	9	7	17	17
	Child restraint used	0-5	7	12	14	5	17	11	12	22	14	30
	Other restraint used	0-5	3	10	13	8	7	10	15	11	9	19
	Restraint not used	0-5	54	49	45	52	45	36	44	39	50	40
	Restraint use unknown	0-5	4	5	2	4	8	3	6	6	7	6
	Total	0-5	68	76	74	69	77	60	77	78	80	95

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 50: Passenger Car and Light Truck Occupants Under Age 6 Killed or Injured by Restraint Use

STATE	RESTRAINT USE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURED						
Texas	Child restraint used	0-1	1,305	1,278	1,449	1,678	1,898	2,172	2,542	2,556	2,731	2,731
	Other restraint used	0-1	377	319	333	411	454	592	582	506	488	545
	Restraint not used	0-1	745	623	659	643	693	696	642	578	548	482
	Restraint use unknown	0-1	86	85	80	82	85	103	125	127	149	135
	Subtotal	0-1	2,513	2,305	2,521	2,814	3,130	3,563	3,891	3,767	3,916	3,893
	Child restraint used	2	348	373	444	526	624	716	801	888	977	1,033
	Other restraint used	2	624	664	738	743	854	873	977	837	838	791
	Restraint not used	2	543	458	517	455	586	527	457	410	366	335
	Restraint use unknown	2	62	59	64	58	59	89	96	96	88	102
	Subtotal	2	1,577	1,554	1,763	1,782	2,123	2,205	2,331	2,231	2,269	2,261
	Child restraint used	3	156	193	199	244	273	333	387	428	485	563
	Other restraint used	3	892	967	1,078	1,181	1,300	1,513	1,505	1,421	1,339	1,339
	Restraint not used	3	552	571	508	486	568	555	566	472	398	357
	Restraint use unknown	3	53	69	75	64	61	87	115	120	132	132
	Subtotal	3	1,653	1,800	1,860	1,975	2,202	2,488	2,573	2,441	2,354	2,391
	Child restraint used	4	73	68	77	72	109	130	166	184	205	238
	Other restraint used	4	1,036	1,061	1,287	1,319	1,529	1,680	1,866	1,767	1,704	1,753
	Restraint not used	4	610	528	557	519	563	659	615	506	482	426
	Restraint use unknown	4	84	58	74	71	71	98	145	134	140	162
	Subtotal	4	1,803	1,715	1,995	1,981	2,272	2,567	2,792	2,591	2,531	2,579
	Child restraint used	5	28	25	40	43	31	45	57	69	73	88
	Other restraint used	5	976	1,118	1,234	1,293	1,498	1,662	1,858	1,732	1,730	1,646
	Restraint not used	5	581	489	569	522	605	605	611	559	476	396
	Restraint use unknown	5	74	71	77	76	85	112	130	129	142	152
	Subtotal	5	1,659	1,703	1,920	1,934	2,219	2,424	2,656	2,489	2,421	2,282
	Child restraint used	0-5	1,910	1,937	2,209	2,563	2,935	3,396	3,953	4,125	4,471	4,653
	Other restraint used	0-5	3,905	4,129	4,670	4,947	5,635	6,320	6,788	6,263	6,099	6,074
	Restraint not used	0-5	3,031	2,669	2,810	2,625	3,015	3,042	2,891	2,525	2,270	1,996
	Restraint use unknown	0-5	359	342	370	351	361	489	611	606	651	683
	Total	0-5	9,205	9,077	10,059	10,486	11,946	13,247	14,243	13,519	13,491	13,406

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 50: Passenger Car and Light Truck Occupants Under Age 6 Killed or Injured by Restraint Use

STATE	RESTRAINT USE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED						
Utah	Child restraint used	0-1	0	1	0	0	2	2	0	1	3	2
	Other restraint used	0-1	1	0	0	0	0	0	0	0	0	0
	Restraint not used	0-1	3	2	3	1	1	2	2	1	0	0
	Restraint use unknown	0-1	0	0	0	0	1	0	0	0	1	0
	Subtotal	0-1	4	3	3	1	4	4	2	2	4	2
	Child restraint used	2	0	0	0	0	0	1	0	0	0	0
	Other restraint used	2	2	0	0	0	1	1	0	0	0	0
	Restraint not used	2	0	1	1	0	1	0	2	2	0	0
	Restraint use unknown	2	0	0	1	0	0	1	0	0	1	1
	Subtotal	2	2	1	2	0	2	3	2	2	1	1
	Child restraint used	3	0	0	0	0	0	0	1	0	0	1
	Other restraint used	3	0	0	0	0	0	0	1	1	0	0
	Restraint not used	3	0	0	0	0	1	1	3	0	0	0
	Subtotal	3	0	0	0	0	1	1	5	1	0	1
	Child restraint used	4	0	0	0	0	0	0	0	0	0	0
	Other restraint used	4	0	0	0	0	0	0	2	0	2	1
	Restraint not used	4	0	1	1	0	2	0	0	2	2	0
	Subtotal	4	0	1	1	0	2	0	2	2	4	1
	Child restraint used	5	0	0	0	0	0	0	0	0	0	0
	Other restraint used	5	0	0	0	0	0	0	2	0	1	1
	Restraint not used	5	1	0	0	0	0	0	0	0	2	0
	Subtotal	5	1	0	0	0	0	0	2	0	3	1
	Child restraint used	0-5	0	1	0	0	2	3	1	1	3	3
	Other restraint used	0-5	3	0	0	0	1	1	5	1	3	2
	Restraint not used	0-5	4	4	5	1	5	3	7	5	4	0
	Restraint use unknown	0-5	0	0	1	0	1	1	0	0	2	1
	Total	0-5	7	5	6	1	9	8	13	7	12	6

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 50: Passenger Car and Light Truck Occupants Under Age 6 Killed or Injured by Restraint Use

STATE	RESTRAINT USE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURED						
Utah	Child restraint used	0-1	87	87	98	90	103	104	135	146	144	143
	Other restraint used	0-1	24	25	25	20	23	26	24	35	21	29
	Restraint not used	0-1	35	43	30	26	41	29	30	13	13	17
	Restraint use unknown	0-1	4	6	3	7	11	2	8	12	11	15
	Subtotal	0-1	150	161	156	143	178	161	197	206	189	204
	Child restraint used	2	29	33	42	53	52	59	64	73	83	86
	Other restraint used	2	35	48	40	45	38	43	45	51	40	32
	Restraint not used	2	63	44	43	34	50	40	41	22	25	20
	Restraint use unknown	2	10	7	5	6	4	12	10	6	8	17
	Subtotal	2	137	132	130	138	144	154	160	152	156	155
	Child restraint used	3	16	18	21	22	17	24	35	42	47	70
	Other restraint used	3	54	42	54	68	65	71	82	85	64	79
	Restraint not used	3	66	61	62	59	38	47	39	27	30	15
	Restraint use unknown	3	8	4	8	7	9	10	9	3	6	10
	Subtotal	3	144	125	145	156	129	152	165	157	147	174
	Child restraint used	4	5	11	5	15	9	14	11	17	23	36
	Other restraint used	4	52	56	76	88	84	94	125	93	103	108
	Restraint not used	4	92	63	60	63	50	60	52	45	35	21
	Restraint use unknown	4	6	8	7	8	12	5	13	11	8	11
	Subtotal	4	155	138	148	174	155	173	201	166	169	176
	Child restraint used	5	2	2	2	4	6	2	3	2	8	16
	Other restraint used	5	59	53	70	78	100	86	103	122	109	95
	Restraint not used	5	76	69	62	65	42	57	59	50	38	30
	Restraint use unknown	5	8	3	6	6	12	12	14	11	5	8
	Subtotal	5	145	127	140	153	160	157	179	185	160	149
	Child restraint used	0-5	139	151	168	184	187	203	248	280	305	351
	Other restraint used	0-5	224	224	265	299	310	320	379	386	337	343
	Restraint not used	0-5	332	280	257	247	221	233	221	157	141	103
	Restraint use unknown	0-5	36	28	29	34	48	41	54	43	38	61
	Total	0-5	731	683	719	764	766	797	902	866	821	858

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 50: Passenger Car and Light Truck Occupants Under Age 6 Killed or Injured by Restraint Use

STATE	RESTRAINT USE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED						
Virginia	Child restraint used	0-1	5	1	0	1	6	2	4	2	2	7
	Other restraint used	0-1	0	0	0	0	0	0	0	0	0	0
	Restraint not used	0-1	6	3	5	3	3	0	3	3	2	2
	Restraint use unknown	0-1	0	1	1	0	0	0	1	1	1	0
	Subtotal	0-1	11	5	6	4	9	2	8	6	5	9
	Child restraint used	2	0	0	1	1	3	1	0	1	0	1
	Other restraint used	2	0	0	0	0	1	0	0	1	0	0
	Restraint not used	2	3	1	1	3	1	0	0	0	2	1
	Subtotal	2	3	1	2	4	5	1	0	2	2	2
	Child restraint used	3	0	1	0	0	0	0	1	0	3	0
	Other restraint used	3	1	0	2	0	3	0	0	1	0	0
	Restraint not used	3	1	1	1	1	1	2	1	2	1	1
	Restraint use unknown	3	0	1	1	0	0	0	1	0	0	0
	Subtotal	3	2	3	4	1	4	2	3	3	4	1
	Child restraint used	4	0	0	0	0	0	0	0	0	0	0
	Other restraint used	4	1	0	1	1	1	0	0	2	1	1
	Restraint not used	4	5	2	1	2	0	2	1	1	4	1
	Restraint use unknown	4	0	0	0	1	1	0	0	0	0	0
	Subtotal	4	6	2	2	4	2	2	1	3	5	2
	Child restraint used	5	0	0	1	0	0	0	0	0	0	0
	Other restraint used	5	1	1	0	1	0	0	0	1	1	0
	Restraint not used	5	2	2	1	1	1	1	2	0	2	2
	Subtotal	5	3	3	2	2	1	1	2	1	3	2
	Child restraint used	0-5	2	1	2	1	5	2	3	1	3	3
	Other restraint used	0-5	3	1	3	2	5	0	0	5	2	1
	Restraint not used	0-5	12	6	7	10	4	5	5	5	10	6
	Restraint use unknown	0-5	0	2	2	1	1	0	1	0	0	0
	Total	0-5	17	10	14	14	15	7	9	11	15	10

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 50: Passenger Car and Light Truck Occupants Under Age 6 Killed or Injured by Restraint Use

STATE	RESTRAINT USE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURED						
Virginia	Child restraint used	0-1	383	383	439	448	490	479	466	482	479	479
	Other restraint used	0-1	78	68	74	60	52	73	55	48	56	64
	Restraint not used	0-1	124	94	107	86	83	86	82	71	38	39
	Restraint use unknown	0-1	8	13	12	14	12	14	11	9	19	16
	Subtotal	0-1	593	558	632	608	637	652	614	610	592	598
	Child restraint used	2	97	112	158	166	185	152	181	194	187	184
	Other restraint used	2	84	94	96	78	87	79	84	77	62	51
	Restraint not used	2	90	75	95	92	59	61	60	40	41	39
	Restraint use unknown	2	6	6	2	4	6	7	8	8	6	4
	Subtotal	2	277	287	351	340	337	299	333	319	296	278
	Child restraint used	3	65	73	89	106	96	118	129	109	165	136
	Other restraint used	3	140	129	154	157	152	170	156	144	113	99
	Restraint not used	3	109	97	111	104	95	87	78	76	43	37
	Restraint use unknown	3	6	6	5	6	12	6	9	11	8	3
	Subtotal	3	320	305	359	373	355	381	372	340	329	275
	Child restraint used	4	18	22	46	28	42	35	49	62	63	79
	Other restraint used	4	188	161	200	223	250	260	244	250	232	238
	Restraint not used	4	133	109	101	109	115	108	89	82	51	51
	Restraint use unknown	4	10	6	11	9	12	19	10	18	11	7
	Subtotal	4	349	298	358	369	419	422	392	412	357	375
	Child restraint used	5	9	8	15	12	16	22	22	20	27	21
	Other restraint used	5	174	197	226	223	261	273	285	279	281	238
	Restraint not used	5	138	126	100	109	122	116	102	86	55	42
	Restraint use unknown	5	11	13	15	10	21	15	11	18	7	11
	Subtotal	5	332	344	356	354	420	426	420	403	370	312
	Child restraint used	0-5	343	391	506	511	572	544	577	613	643	637
	Other restraint used	0-5	636	620	729	717	785	828	796	783	719	666
	Restraint not used	0-5	531	464	455	449	432	423	372	325	204	192
	Restraint use unknown	0-5	37	40	38	32	57	54	44	57	43	34
	Total	0-5	1,547	1,515	1,728	1,709	1,846	1,849	1,789	1,778	1,609	1,529

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 50: Passenger Car and Light Truck Occupants Under Age 6 Killed or Injured by Restraint Use

STATE	RESTRAINT USE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED						
Washington	Child restraint used	0-1	0	0	1	1	3	0	1	*	*	*
	Other restraint used	0-1	0	0	0	0	1	0	0	*	*	*
	Restraint not used	0-1	3	1	1	2	1	1	0	*	*	*
	Subtotal	0-1	3	1	2	3	5	1	1	*	*	*
	Child restraint used	2	2	1	0	0	1	0	1	*	*	*
	Other restraint used	2	0	1	1	0	0	0	0	*	*	*
	Restraint not used	2	2	0	2	0	1	1	0	*	*	*
	Restraint use unknown	2	1	0	0	0	1	0	0	*	*	*
	Subtotal	2	5	2	3	0	3	1	1	*	*	*
	Child restraint used	3	0	0	0	0	0	0	2	*	*	*
	Other restraint used	3	1	1	0	0	0	0	1	*	*	*
	Restraint not used	3	1	1	0	4	2	1	0	*	*	*
	Restraint use unknown	3	0	0	1	0	1	0	0	*	*	*
	Subtotal	3	2	2	1	4	3	1	3	*	*	*
	Child restraint used	4	0	1	0	0	0	0	0	*	*	*
	Other restraint used	4	1	0	0	0	0	1	1	*	*	*
	Restraint not used	4	2	1	1	1	1	2	0	*	*	*
	Restraint use unknown	4	0	0	0	0	1	0	0	*	*	*
	Subtotal	4	3	2	1	1	2	3	1	*	*	*
	Child restraint used	5	0	0	1	0	0	0	0	*	*	*
	Other restraint used	5	0	1	0	2	0	0	0	*	*	*
	Restraint not used	5	1	0	1	0	0	0	0	*	*	*
	Restraint use unknown	5	0	1	1	0	0	1	0	*	*	*
	Subtotal	5	1	2	3	2	0	1	0	*	*	*
	Child restraint used	0-5	2	2	2	1	4	0	4	*	*	*
	Other restraint used	0-5	2	3	1	2	1	1	2	*	*	*
	Restraint not used	0-5	9	3	5	7	5	5	0	*	*	*
	Restraint use unknown	0-5	1	1	2	0	3	1	0	*	*	*
	Total	0-5	14	9	10	10	13	7	6	*	*	*

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 50: Passenger Car and Light Truck Occupants Under Age 6 Killed or Injured by Restraint Use

STATE	RESTRAINT USE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURED						
Washington	Child restraint used	0-1	113	100	119	117	133	117	105	*	*	*
	Other restraint used	0-1	36	26	34	23	36	30	17	*	*	*
	Restraint not used	0-1	29	26	20	27	23	12	17	*	*	*
	Restraint use unknown	0-1	38	37	39	30	46	32	19	*	*	*
	Subtotal	0-1	216	189	212	197	238	191	158	*	*	*
	Child restraint used	2	79	74	80	110	93	100	114	*	*	*
	Other restraint used	2	83	78	86	84	79	92	72	*	*	*
	Restraint not used	2	61	47	49	48	51	41	41	*	*	*
	Restraint use unknown	2	48	38	51	53	58	35	42	*	*	*
	Subtotal	2	271	237	266	295	281	268	269	*	*	*
	Child restraint used	3	40	51	64	51	67	75	66	*	*	*
	Other restraint used	3	134	132	137	165	167	161	162	*	*	*
	Restraint not used	3	82	67	64	51	54	49	47	*	*	*
	Restraint use unknown	3	49	50	49	42	56	50	48	*	*	*
	Subtotal	3	305	300	314	309	344	335	323	*	*	*
	Child restraint used	4	29	28	23	27	37	32	44	*	*	*
	Other restraint used	4	180	201	200	216	225	230	252	*	*	*
	Restraint not used	4	70	70	59	56	57	51	54	*	*	*
	Restraint use unknown	4	52	60	52	50	58	47	56	*	*	*
	Subtotal	4	331	359	334	349	377	360	406	*	*	*
	Child restraint used	5	7	7	11	14	11	16	16	*	*	*
	Other restraint used	5	212	189	211	196	234	264	231	*	*	*
	Restraint not used	5	84	59	48	64	57	75	49	*	*	*
	Restraint use unknown	5	63	64	76	51	73	57	66	*	*	*
	Subtotal	5	366	319	346	325	375	412	362	*	*	*
	Child restraint used	0-5	268	260	297	319	341	340	345	*	*	*
	Other restraint used	0-5	645	626	668	684	741	777	734	*	*	*
	Restraint not used	0-5	326	269	240	246	242	228	208	*	*	*
	Restraint use unknown	0-5	250	249	267	226	291	221	231	*	*	*
	Total	0-5	1,489	1,404	1,472	1,475	1,615	1,566	1,518	*	*	*

**Data not available.*

Rows listed as "Unknown" are only included where necessary.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 51: Motorcycle Operators Killed or Injured by Helmet Use and Age

STATE	HELMET USE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED						
California	Helmet used	10-15	2	2	1	1	1	2	2	0	1	1
	Helmet not used	10-15	2	4	2	3	2	3	5	1	0	2
	Helmet use unknown	10-15	0	0	1	2	2	0	0	1	0	0
	Subtotal	10-15	4	6	4	6	5	5	7	2	1	3
	Helmet used	16-20	15	17	30	18	15	17	10	11	4	12
	Helmet not used	16-20	60	44	7	4	5	4	3	2	4	1
	Helmet use unknown	16-20	16	15	7	5	6	1	1	0	0	0
	Subtotal	16-20	91	76	44	27	26	22	14	13	8	13
	Helmet used	21-24	26	21	46	50	28	22	29	21	17	15
	Helmet not used	21-24	58	53	5	6	3	4	3	4	3	3
	Helmet use unknown	21-24	29	22	11	16	8	7	5	1	1	7
	Subtotal	21-24	113	96	62	72	39	33	37	26	21	25
	Helmet used	25-34	28	27	82	66	77	76	41	52	53	44
	Helmet not used	25-34	104	91	9	6	12	7	7	8	4	5
	Helmet use unknown	25-34	46	41	19	11	20	12	8	4	1	5
	Subtotal	25-34	178	159	110	83	109	95	56	64	58	54
	Helmet used	35-44	14	16	31	43	37	40	49	45	43	38
	Helmet not used	35-44	49	38	6	7	9	6	8	3	9	13
	Helmet use unknown	35-44	26	9	5	11	4	11	6	2	4	5
	Subtotal	35-44	89	63	42	61	50	57	63	50	56	56
	Helmet used	45-54	3	4	19	17	20	17	28	30	19	30
	Helmet not used	45-54	12	18	4	1	3	4	2	2	2	5
	Helmet use unknown	45-54	3	5	4	1	3	2	3	2	4	4
	Subtotal	45-54	18	27	27	19	26	23	33	34	25	39
	Helmet used	55-64	2	3	9	7	6	4	6	15	13	15
	Helmet not used	55-64	7	1	1	2	1	1	1	2	0	3
	Helmet use unknown	55-64	1	4	0	0	2	1	0	2	1	0
	Subtotal	55-64	10	8	10	9	9	6	7	19	14	18
	Helmet used	65-74	0	1	0	6	3	2	0	4	1	4
	Helmet not used	65-74	4	3	1	0	0	1	0	0	0	1
	Helmet use unknown	65-74	0	1	0	1	0	0	0	0	1	0
	Subtotal	65-74	4	5	1	7	3	3	0	4	2	5
	Helmet used	>74	1	1	1	0	0	0	1	3	0	0
	Helmet not used	>74	1	0	0	3	0	0	0	1	0	0
	Helmet use unknown	>74	0	0	0	0	0	0	0	1	2	0
	Subtotal	>74	2	1	1	3	0	0	1	5	2	0
	Helmet used	Unknown	0	0	1	0	0	0	1	1	0	0
	Helmet not used	Unknown	3	0	1	0	0	0	0	0	0	0
	Helmet use unknown	Unknown	3	4	2	1	0	1	1	0	1	0
	Subtotal	Unknown	6	4	4	1	0	1	2	1	1	0
	Helmet used	All	91	92	220	208	187	180	167	182	151	159
	Helmet not used	All	300	252	36	32	35	30	29	23	22	33
	Helmet use unknown	All	124	101	49	48	45	35	24	13	15	21
	Total	All	515	445	305	288	267	245	220	218	188	213

Rows listed as "Unknown" are only included where necessary. Operators age 0-9 are included in the "Unknown" category.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 51: Motorcycle Operators Killed or Injured by Helmet Use and Age

STATE	HELMET USE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURED						
California	Helmet used	10-15	50	48	78	55	50	41	39	55	35	26
	Helmet not used	10-15	125	125	51	48	50	41	29	27	23	34
	Helmet use unknown	10-15	106	61	45	41	40	31	16	13	26	23
	Subtotal	10-15	281	234	174	144	140	113	84	95	84	83
	Helmet used	16-20	767	673	1,063	874	657	488	433	392	305	326
	Helmet not used	16-20	1,424	1,249	136	102	111	89	64	62	57	62
	Helmet use unknown	16-20	1,180	898	447	287	221	182	119	83	71	74
	Subtotal	16-20	3,371	2,820	1,646	1,263	989	759	616	537	433	462
	Helmet used	21-24	915	906	1,652	1,423	1,150	906	741	657	537	540
	Helmet not used	21-24	1,333	1,264	144	95	82	65	57	54	61	39
	Helmet use unknown	21-24	1,337	1,147	699	542	416	303	207	125	99	117
	Subtotal	21-24	3,585	3,317	2,495	2,060	1,648	1,274	1,005	836	697	696
	Helmet used	25-34	1,399	1,406	2,539	2,408	2,128	1,871	1,791	1,759	1,441	1,518
	Helmet not used	25-34	2,139	1,951	216	191	165	137	105	122	112	116
	Helmet use unknown	25-34	1,959	1,634	1,084	897	852	718	519	311	277	239
	Subtotal	25-34	5,497	4,991	3,839	3,496	3,145	2,726	2,415	2,192	1,830	1,873
	Helmet used	35-44	571	589	1,258	1,267	1,259	1,215	1,254	1,327	1,150	1,273
	Helmet not used	35-44	921	921	93	94	105	83	69	76	73	85
	Helmet use unknown	35-44	734	650	417	423	419	431	328	237	202	223
	Subtotal	35-44	2,226	2,160	1,768	1,784	1,783	1,729	1,651	1,640	1,425	1,581
	Helmet used	45-54	228	247	518	550	598	564	684	807	673	900
	Helmet not used	45-54	268	291	30	35	40	33	33	44	43	52
	Helmet use unknown	45-54	235	196	186	166	191	188	154	134	122	136
	Subtotal	45-54	731	734	734	751	829	785	871	985	838	1,088
	Helmet used	55-64	111	105	151	176	154	192	235	231	256	335
	Helmet not used	55-64	67	77	11	8	11	9	13	9	18	21
	Helmet use unknown	55-64	63	75	53	67	57	65	47	43	31	50
	Subtotal	55-64	241	257	215	251	222	266	295	283	305	406
	Helmet used	65-74	38	36	40	65	63	59	69	73	74	73
	Helmet not used	65-74	17	26	2	3	2	3	3	5	4	9
	Helmet use unknown	65-74	27	26	16	20	22	32	20	13	7	11
	Subtotal	65-74	82	88	58	88	87	94	92	91	85	93
	Helmet used	>74	6	14	13	8	22	11	17	19	11	21
	Helmet not used	>74	11	7	3	3	3	1	1	0	1	0
	Helmet use unknown	>74	8	18	11	9	8	4	5	5	2	6
	Subtotal	>74	25	39	27	20	33	16	23	24	14	27
	Helmet used	Unknown	9	14	17	14	19	14	8	7	14	14
	Helmet not used	Unknown	17	19	3	4	3	5	2	0	4	4
	Helmet use unknown	Unknown	48	37	26	25	21	26	24	12	12	14
	Subtotal	Unknown	74	70	46	43	43	45	34	19	30	32
	Helmet used	All	4,094	4,038	7,329	6,840	6,100	5,361	5,271	5,327	4,496	5,026
	Helmet not used	All	6,322	5,930	689	583	572	466	376	399	396	422
	Helmet use unknown	All	5,697	4,742	2,984	2,477	2,247	1,980	1,439	976	849	893
	Total	All	16,113	14,710	11,002	9,900	8,919	7,807	7,086	6,702	5,741	6,341

Rows listed as "Unknown" are only included where necessary. Operators age 0-9 are included in the "Unknown" category.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 51: Motorcycle Operators Killed or Injured by Helmet Use and Age

STATE	HELMET USE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED						
Florida	Helmet used	10-15	0	2	0	1	2	0	0	1	3	0
	Helmet not used	10-15	0	0	0	0	0	0	3	0	0	3
	Helmet use unknown	10-15	0	1	0	0	0	0	0	0	0	0
	Subtotal	10-15	0	3	0	1	2	0	3	1	3	3
	Helmet used	16-20	26	21	14	24	20	12	10	9	7	7
	Helmet not used	16-20	3	5	8	3	6	6	2	4	3	2
	Helmet use unknown	16-20	0	1	0	0	0	0	0	0	0	0
	Subtotal	16-20	29	27	22	27	26	18	12	13	10	9
	Helmet used	21-24	30	27	20	24	18	24	10	20	16	10
	Helmet not used	21-24	2	4	5	6	4	3	2	3	3	4
	Helmet use unknown	21-24	1	0	0	0	0	0	1	0	1	0
	Subtotal	21-24	33	31	25	30	22	27	13	23	20	14
	Helmet used	25-34	62	42	40	41	43	48	32	45	48	37
	Helmet not used	25-34	7	3	5	7	3	10	11	6	4	4
	Helmet use unknown	25-34	2	1	3	1	2	0	1	1	0	1
	Subtotal	25-34	71	46	48	49	48	58	44	52	52	42
	Helmet used	35-44	28	29	31	33	23	25	27	33	33	43
	Helmet not used	35-44	1	2	8	4	5	6	3	6	4	6
	Helmet use unknown	35-44	1	0	0	1	1	1	0	0	0	0
	Subtotal	35-44	30	31	39	38	29	32	30	39	37	49
	Helmet used	45-54	7	8	15	18	17	20	22	20	22	18
	Helmet not used	45-54	0	1	1	3	3	1	2	3	3	2
	Helmet use unknown	45-54	0	0	1	0	1	0	1	0	0	0
	Subtotal	45-54	7	9	17	21	21	21	25	23	25	20
	Helmet used	55-64	13	5	5	8	1	2	10	9	11	14
	Helmet not used	55-64	0	1	1	1	0	1	0	1	2	4
	Subtotal	55-64	13	6	6	9	1	3	10	10	13	18
	Helmet used	65-74	4	3	2	3	1	1	4	3	2	6
	Helmet not used	65-74	1	0	0	0	2	1	0	0	0	0
	Helmet use unknown	65-74	0	2	0	0	0	0	0	1	0	0
	Subtotal	65-74	5	5	2	3	3	2	4	4	2	6
	Helmet used	>74	2	1	1	2	3	2	3	0	1	2
	Helmet not used	>74	0	0	0	1	0	1	1	2	0	0
	Helmet use unknown	>74	1	0	1	0	0	0	0	0	0	0
	Subtotal	>74	3	1	2	3	3	3	4	2	1	2
	Helmet used	Unknown	1	0	1	2	0	3	1	0	0	0
	Helmet not used	Unknown	2	0	0	0	1	1	1	0	0	0
	Subtotal	Unknown	3	0	1	2	1	4	2	0	0	0
	Helmet used	All	173	138	129	156	128	137	119	140	143	137
	Helmet not used	All	16	16	28	25	24	30	25	25	19	25
	Helmet use unknown	All	5	5	5	2	4	1	3	2	1	1
	Total	All	194	159	162	183	156	168	147	167	163	163

Rows listed as "Unknown" are only included where necessary. Operators age 0-9 are included in the "Unknown" category.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 51: Motorcycle Operators Killed or Injured by Helmet Use and Age

STATE	HELMET USE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURED						
Florida	Helmet used	10-15	130	98	76	70	90	65	49	42	31	40
	Helmet not used	10-15	83	79	70	81	91	67	57	50	50	51
	Helmet use unknown	10-15	5	11	14	4	1	0	0	0	0	1
	Subtotal	10-15	218	188	160	155	182	132	106	92	81	92
	Helmet used	16-20	915	845	659	620	528	403	389	303	261	252
	Helmet not used	16-20	327	306	239	209	218	215	177	164	172	170
	Helmet use unknown	16-20	88	76	49	23	5	3	3	3	6	2
	Subtotal	16-20	1,330	1,227	947	852	751	621	569	470	439	424
	Helmet used	21-24	841	682	683	631	570	557	466	393	359	345
	Helmet not used	21-24	233	199	211	192	203	156	168	172	143	161
	Helmet use unknown	21-24	55	55	77	25	7	2	5	3	4	4
	Subtotal	21-24	1,129	936	971	848	780	715	639	568	506	510
	Helmet used	25-34	1,368	1,131	1,048	1,111	1,007	963	945	866	824	820
	Helmet not used	25-34	442	378	345	337	345	317	284	303	284	313
	Helmet use unknown	25-34	78	95	99	48	10	7	10	11	12	15
	Subtotal	25-34	1,888	1,604	1,492	1,496	1,362	1,287	1,239	1,180	1,120	1,148
	Helmet used	35-44	688	639	652	660	721	742	711	718	743	781
	Helmet not used	35-44	207	161	197	197	199	219	229	230	241	242
	Helmet use unknown	35-44	33	43	51	21	7	4	6	10	9	14
	Subtotal	35-44	928	843	900	878	927	965	946	958	993	1,037
	Helmet used	45-54	238	220	222	300	346	377	459	481	484	536
	Helmet not used	45-54	56	79	68	91	105	113	160	151	149	162
	Helmet use unknown	45-54	19	21	26	18	3	2	5	7	7	8
	Subtotal	45-54	313	320	316	409	454	492	624	639	640	706
	Helmet used	55-64	91	94	91	116	121	127	166	166	178	199
	Helmet not used	55-64	36	36	51	34	35	30	42	63	66	62
	Helmet use unknown	55-64	6	8	12	4	2	0	2	5	5	5
	Subtotal	55-64	133	138	154	154	158	157	210	234	249	266
	Helmet used	65-74	46	41	31	56	48	54	54	53	62	55
	Helmet not used	65-74	14	23	17	21	25	23	26	27	21	27
	Helmet use unknown	65-74	4	3	4	1	2	1	0	1	1	1
	Subtotal	65-74	64	67	52	78	75	78	80	81	84	83
	Helmet used	>74	17	17	13	20	15	16	17	23	25	19
	Helmet not used	>74	9	11	13	10	9	14	8	10	14	6
	Helmet use unknown	>74	2	1	0	2	0	1	0	0	1	0
	Subtotal	>74	28	29	26	32	24	31	25	33	40	25
	Helmet used	Unknown	43	32	20	37	45	33	35	37	17	23
	Helmet not used	Unknown	27	34	19	27	37	34	24	28	14	22
	Helmet use unknown	Unknown	15	6	8	5	1	1	2	1	3	3
	Subtotal	Unknown	85	72	47	69	83	68	61	66	34	48
	Helmet used	All	4,377	3,799	3,495	3,621	3,491	3,337	3,291	3,082	2,984	3,070
	Helmet not used	All	1,434	1,306	1,230	1,199	1,267	1,188	1,175	1,198	1,154	1,216
	Helmet use unknown	All	305	319	340	151	38	21	33	41	48	53
	Total	All	6,116	5,424	5,065	4,971	4,796	4,546	4,499	4,321	4,186	4,339

Rows listed as "Unknown" are only included where necessary. Operators age 0-9 are included in the "Unknown" category.
Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 51: Motorcycle Operators Killed or Injured by Helmet Use and Age

STATE	HELMET USE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED						
Georgia	Helmet used	10-15	1	0	1	0	1	1	0	0	0	*
	Helmet not used	10-15	1	1	0	0	1	2	0	0	1	*
	Subtotal	10-15	2	1	1	0	2	3	0	0	1	*
	Helmet used	16-20	11	6	6	3	2	3	5	2	3	*
	Helmet not used	16-20	6	5	1	1	2	0	0	2	1	*
	Helmet use unknown	16-20	0	0	1	1	1	0	0	0	0	*
	Subtotal	16-20	17	11	8	5	5	3	5	4	4	*
	Helmet used	21-24	4	12	8	10	5	11	4	6	7	*
	Helmet not used	21-24	0	4	3	1	0	0	1	2	2	*
	Helmet use unknown	21-24	1	0	0	1	1	0	2	0	0	*
	Subtotal	21-24	5	16	11	12	6	11	7	8	9	*
	Helmet used	25-34	15	14	14	14	9	10	15	13	19	*
	Helmet not used	25-34	5	3	4	5	4	4	1	5	2	*
	Helmet use unknown	25-34	1	1	0	0	1	0	0	0	0	*
	Subtotal	25-34	21	18	18	19	14	14	16	18	21	*
	Helmet used	35-44	7	5	4	5	10	3	6	9	15	*
	Helmet not used	35-44	1	2	1	1	2	0	2	2	1	*
	Subtotal	35-44	8	7	5	6	12	3	8	11	16	*
	Helmet used	45-54	1	2	2	1	4	6	4	7	7	*
	Helmet not used	45-54	0	0	2	0	1	0	0	0	1	*
	Helmet use unknown	45-54	0	1	0	1	0	0	0	0	1	*
	Subtotal	45-54	1	3	4	2	5	6	4	7	9	*
	Helmet used	55-64	1	1	1	0	3	1	1	3	4	*
	Helmet not used	55-64	0	0	0	1	0	0	0	1	0	*
	Subtotal	55-64	1	1	1	1	3	1	1	4	4	*
	Helmet used	65-74	0	0	0	1	1	0	0	1	0	*
	Helmet not used	65-74	0	0	0	1	0	0	0	0	0	*
	Subtotal	65-74	0	0	0	2	1	0	0	1	0	*
	Helmet used	>74	0	0	0	0	0	0	1	0	0	*
	Helmet not used	>74	0	0	0	0	0	0	0	0	0	*
	Subtotal	>74	0	0	0	0	0	0	1	0	0	*
	Helmet used	Unknown	0	0	0	0	1	0	0	0	1	*
	Helmet not used	Unknown	1	0	0	0	0	0	0	0	0	*
	Subtotal	Unknown	1	0	0	0	1	0	0	0	1	*
	Helmet used	All	40	40	36	34	36	35	36	41	56	*
	Helmet not used	All	14	15	11	10	10	6	4	12	8	*
	Helmet use unknown	All	2	2	1	3	3	0	2	0	1	*
	Total	All	56	57	48	47	49	41	42	53	65	*

**Data not available.*

Rows listed as "Unknown" are only included where necessary. Operators age 0-9 are included in the "Unknown" category.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 51: Motorcycle Operators Killed or Injured by Helmet Use and Age

STATE	HELMET USE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURED						
Georgia	Helmet used	10-15	20	17	17	11	21	12	16	7	12	*
	Helmet not used	10-15	20	31	15	19	16	15	8	8	9	*
	Helmet use unknown	10-15	2	2	2	0	3	2	3	4	5	*
	Subtotal	10-15	42	50	34	30	40	29	27	19	26	*
	Helmet used	16-20	179	182	153	132	134	132	77	87	62	*
	Helmet not used	16-20	81	75	56	54	36	41	31	27	25	*
	Helmet use unknown	16-20	10	12	8	10	10	10	7	8	6	*
	Subtotal	16-20	270	269	217	196	180	183	115	122	93	*
	Helmet used	21-24	167	154	163	179	184	153	152	138	113	*
	Helmet not used	21-24	59	52	65	62	38	31	35	19	18	*
	Helmet use unknown	21-24	24	11	14	10	19	10	7	10	11	*
	Subtotal	21-24	250	217	242	251	241	194	194	167	142	*
	Helmet used	25-34	317	232	232	246	240	296	323	293	324	*
	Helmet not used	25-34	116	112	89	91	50	68	44	51	51	*
	Helmet use unknown	25-34	28	14	30	22	22	21	19	25	16	*
	Subtotal	25-34	461	358	351	359	312	385	386	369	391	*
	Helmet used	35-44	113	104	122	128	160	194	201	199	210	*
	Helmet not used	35-44	52	41	47	53	24	28	33	37	37	*
	Helmet use unknown	35-44	16	13	13	10	14	14	12	10	17	*
	Subtotal	35-44	181	158	182	191	198	236	246	246	264	*
	Helmet used	45-54	43	46	51	42	63	85	121	118	159	*
	Helmet not used	45-54	27	12	16	23	9	12	19	20	8	*
	Helmet use unknown	45-54	4	5	5	4	4	4	5	8	8	*
	Subtotal	45-54	74	63	72	69	76	101	145	146	175	*
	Helmet used	55-64	18	21	11	15	14	24	26	37	43	*
	Helmet not used	55-64	3	3	4	6	5	4	3	6	4	*
	Helmet use unknown	55-64	1	1	0	0	4	0	3	3	3	*
	Subtotal	55-64	22	25	15	21	23	28	32	46	50	*
	Helmet used	65-74	2	6	2	6	3	12	8	10	11	*
	Helmet not used	65-74	1	0	3	0	0	0	0	1	2	*
	Helmet use unknown	65-74	0	2	0	0	0	1	0	0	1	*
	Subtotal	65-74	3	8	5	6	3	13	8	11	14	*
	Helmet used	>74	1	6	2	1	5	3	0	1	5	*
	Helmet not used	>74	0	2	0	1	0	0	0	0	0	*
	Helmet use unknown	>74	0	1	0	0	0	0	0	0	0	*
	Subtotal	>74	1	9	2	2	5	3	0	1	5	*
	Helmet used	Unknown	13	4	7	11	8	4	9	7	12	*
	Helmet not used	Unknown	11	11	8	10	6	4	2	4	1	*
	Helmet use unknown	Unknown	0	1	2	3	0	1	6	3	4	*
	Subtotal	Unknown	24	16	17	24	14	9	17	14	17	*
	Helmet used	All	873	772	760	771	832	915	933	897	951	*
	Helmet not used	All	370	339	303	319	184	203	175	173	155	*
	Helmet use unknown	All	85	62	74	59	76	63	62	71	71	*
	Total	All	1,328	1,173	1,137	1,149	1,092	1,181	1,170	1,141	1,177	*

**Data not available.*

Rows listed as "Unknown" are only included where necessary. Operators age 0-9 are included in the "Unknown" category.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 51: Motorcycle Operators Killed or Injured by Helmet Use and Age

STATE	HELMET USE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED						
Illinois	Helmet used	10-15	0	0	0	0	0	0	0	0	0	0
	Helmet not used	10-15	1	0	0	0	0	0	0	0	0	0
	Helmet use unknown	10-15	1	0	0	1	0	0	0	0	0	0
	Subtotal	10-15	2	0	0	1	0	0	0	0	0	0
	Helmet used	16-20	1	1	1	1	3	3	1	2	0	0
	Helmet not used	16-20	1	1	0	8	13	7	4	2	5	7
	Helmet use unknown	16-20	9	11	12	3	2	2	0	0	3	2
	Subtotal	16-20	11	13	13	12	18	12	5	4	8	9
	Helmet used	21-24	1	1	2	5	5	0	3	4	0	3
	Helmet not used	21-24	0	2	3	13	19	10	6	7	6	9
	Helmet use unknown	21-24	19	11	5	12	2	1	2	3	7	5
	Subtotal	21-24	20	14	10	30	26	11	11	14	13	17
	Helmet used	25-34	4	0	5	3	2	4	0	1	1	7
	Helmet not used	25-34	6	6	9	15	29	19	9	15	15	12
	Helmet use unknown	25-34	49	29	34	21	7	5	4	12	18	15
	Subtotal	25-34	59	35	48	39	38	28	13	28	34	34
	Helmet used	35-44	3	2	0	1	4	2	1	2	2	3
	Helmet not used	35-44	4	3	3	8	20	14	9	11	13	16
	Helmet use unknown	35-44	18	23	13	9	3	9	4	5	2	4
	Subtotal	35-44	25	28	16	18	27	25	14	18	17	23
	Helmet used	45-54	1	1	0	1	2	1	1	1	0	1
	Helmet not used	45-54	2	0	1	1	7	4	2	4	7	7
	Helmet use unknown	45-54	5	9	6	3	4	3	1	0	2	1
	Subtotal	45-54	8	10	7	5	13	8	4	5	9	9
	Helmet used	55-64	0	0	0	0	1	1	0	1	0	0
	Helmet not used	55-64	0	0	0	0	3	2	3	0	1	0
	Helmet use unknown	55-64	2	1	0	0	1	0	1	0	1	0
	Subtotal	55-64	2	1	0	0	5	3	4	1	2	0
	Helmet used	65-74	1	0	0	0	2	0	0	0	0	0
	Helmet not used	65-74	0	0	0	0	1	1	0	2	1	0
	Helmet use unknown	65-74	0	0	1	0	1	0	1	1	1	3
	Subtotal	65-74	1	0	1	0	4	1	1	3	2	3
	Helmet used	>74	0	0	0	0	0	0	0	1	0	1
	Helmet not used	>74	0	0	0	0	0	0	0	0	0	0
	Helmet use unknown	>74	2	0	0	0	0	0	0	0	0	0
	Subtotal	>74	2	0	0	0	0	0	0	1	0	1
	Helmet use unknown	Unknown	1	0	1	0	0	0	0	0	0	0
	Subtotal	Unknown	1	0	1	0	0	0	0	0	0	0
	Helmet used	All	11	5	8	11	19	11	6	12	3	15
	Helmet not used	All	14	12	16	45	92	57	33	41	48	51
	Helmet use unknown	All	106	84	72	49	20	20	13	21	34	30
	Total	All	131	101	96	105	131	88	52	74	85	96

Rows listed as "Unknown" are only included where necessary. Operators age 0-9 are included in the "Unknown" category.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 51: Motorcycle Operators Killed or Injured by Helmet Use and Age

STATE	HELMET USE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURED						
Illinois	Helmet used	10-15	1	2	7	6	1	3	0	3	0	0
	Helmet not used	10-15	0	1	5	8	8	5	0	3	1	0
	Helmet use unknown	10-15	40	41	35	20	5	1	0	7	2	6
	Subtotal	10-15	41	44	47	34	14	9	0	13	3	6
	Helmet used	16-20	30	19	84	62	69	41	16	21	18	29
	Helmet not used	16-20	23	22	50	138	194	148	32	82	89	83
	Helmet use unknown	16-20	596	553	410	224	155	123	44	120	94	89
	Subtotal	16-20	649	594	544	424	418	312	92	223	201	201
	Helmet used	21-24	32	21	85	81	65	65	26	28	26	34
	Helmet not used	21-24	17	22	51	166	208	208	45	99	96	125
	Helmet use unknown	21-24	553	574	466	294	206	186	73	143	113	112
	Subtotal	21-24	602	617	602	541	479	459	144	270	235	271
	Helmet used	25-34	43	34	103	125	98	82	30	66	63	65
	Helmet not used	25-34	37	35	98	243	333	289	94	201	198	191
	Helmet use unknown	25-34	921	968	620	458	246	241	117	314	238	221
	Subtotal	25-34	1,001	1,037	821	826	677	612	241	581	499	477
	Helmet used	35-44	26	33	70	53	85	59	31	46	53	62
	Helmet not used	35-44	11	14	53	131	172	193	68	142	152	193
	Helmet use unknown	35-44	431	449	347	236	174	173	81	206	189	182
	Subtotal	35-44	468	496	470	420	431	425	180	394	394	437
	Helmet used	45-54	14	22	57	57	59	55	23	43	47	47
	Helmet not used	45-54	4	3	19	45	73	73	29	67	99	107
	Helmet use unknown	45-54	150	176	121	85	78	79	51	136	110	141
	Subtotal	45-54	168	201	197	187	210	207	103	246	256	295
	Helmet used	55-64	6	7	18	24	18	21	13	18	33	27
	Helmet not used	55-64	2	1	3	7	20	20	5	20	21	33
	Helmet use unknown	55-64	49	55	38	28	17	23	12	40	42	52
	Subtotal	55-64	57	63	59	59	55	64	30	78	96	112
	Helmet used	65-74	1	2	4	9	11	7	1	7	9	6
	Helmet not used	65-74	2	0	3	3	9	5	1	6	6	12
	Helmet use unknown	65-74	26	5	10	8	8	5	4	12	14	17
	Subtotal	65-74	29	7	17	20	28	17	6	25	29	35
	Helmet used	>74	0	0	1	4	3	1	0	0	3	2
	Helmet not used	>74	0	1	1	2	1	3	0	3	1	1
	Helmet use unknown	>74	4	6	1	6	5	1	3	6	5	5
	Subtotal	>74	4	7	3	12	9	5	3	9	9	8
	Helmet used	Unknown	0	0	1	3	1	1	0	1	2	2
	Helmet not used	Unknown	0	0	4	5	3	4	0	7	7	1
	Helmet use unknown	Unknown	17	20	16	15	5	5	1	14	10	7
	Subtotal	Unknown	17	20	21	23	9	10	1	22	19	10
	Helmet used	All	153	140	430	424	410	335	140	233	254	274
	Helmet not used	All	96	99	287	748	1,021	948	274	630	670	746
	Helmet use unknown	All	2,787	2,847	2,064	1,374	899	837	386	998	817	832
	Total	All	3,036	3,086	2,781	2,546	2,330	2,120	800	1,861	1,741	1,852

Rows listed as "Unknown" are only included where necessary. Operators age 0-9 are included in the "Unknown" category.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 51: Motorcycle Operators Killed or Injured by Helmet Use and Age

STATE	HELMET USE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED						
Indiana	Helmet used	10-15	0	0	0	0	1	2	2	1	1	0
	Helmet not used	10-15	1	2	2	0	1	4	1	1	0	0
	Helmet use unknown	10-15	0	1	0	0	0	0	0	0	1	1
	Subtotal	10-15	1	3	2	0	2	6	3	2	2	1
	Helmet used	16-20	1	3	2	3	2	0	1	0	1	1
	Helmet not used	16-20	6	6	10	8	11	6	4	4	4	0
	Helmet use unknown	16-20	3	2	3	1	0	0	3	2	2	0
	Subtotal	16-20	10	11	15	12	13	6	8	6	7	1
	Helmet used	21-24	2	3	1	0	3	0	1	1	0	1
	Helmet not used	21-24	9	7	7	5	10	10	6	6	5	2
	Helmet use unknown	21-24	3	3	3	2	1	0	2	0	0	1
	Subtotal	21-24	14	13	11	7	14	10	9	7	5	4
	Helmet used	25-34	0	3	2	3	3	1	1	1	2	3
	Helmet not used	25-34	22	15	16	11	10	9	11	6	14	11
	Helmet use unknown	25-34	6	6	1	3	2	0	3	2	1	3
	Subtotal	25-34	28	24	19	17	15	10	15	9	17	17
	Helmet used	35-44	1	2	1	0	0	1	2	0	3	0
	Helmet not used	35-44	6	5	8	5	6	10	7	6	12	12
	Helmet use unknown	35-44	4	3	0	1	3	2	1	2	1	6
	Subtotal	35-44	11	10	9	6	9	13	10	8	16	18
	Helmet used	45-54	0	1	2	0	1	2	1	1	2	1
	Helmet not used	45-54	0	2	3	0	2	2	6	3	4	10
	Helmet use unknown	45-54	1	0	0	0	1	2	1	0	1	1
	Subtotal	45-54	1	3	5	0	4	6	8	4	7	12
	Helmet used	55-64	0	1	1	1	0	4	0	2	3	3
	Helmet not used	55-64	0	3	0	1	1	3	0	0	2	3
	Helmet use unknown	55-64	1	0	0	0	0	0	0	0	1	2
	Subtotal	55-64	1	4	1	2	1	7	0	2	6	8
	Helmet used	65-74	1	0	0	0	0	0	0	0	0	0
	Helmet not used	65-74	1	1	0	0	2	1	0	0	0	0
	Helmet use unknown	65-74	0	0	0	1	0	0	0	0	0	0
	Subtotal	65-74	2	1	0	1	2	1	0	0	0	0
	Helmet used	>74	1	0	0	1	0	0	0	0	1	0
	Helmet not used	>74	0	1	0	0	0	0	1	0	0	1
	Helmet use unknown	>74	0	1	1	0	0	0	0	1	0	0
	Subtotal	>74	1	2	1	1	0	0	1	1	1	1
	Helmet used	Unknown	1	0	0	0	0	0	0	0	0	0
	Subtotal	Unknown	1	0	0	0	0	0	0	0	0	0
	Helmet used	All	7	13	9	8	10	10	8	6	13	9
	Helmet not used	All	45	42	46	30	43	45	36	26	41	39
	Helmet use unknown	All	18	16	8	8	7	4	10	7	7	14
	Total	All	70	71	63	46	60	59	54	39	61	62

Rows listed as "Unknown" are only included where necessary. Operators age 0-9 are included in the "Unknown" category.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 51: Motorcycle Operators Killed or Injured by Helmet Use and Age

STATE	HELMET USE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURED						
Indiana	Helmet used	10-15	42	43	43	53	65	67	48	42	42	43
	Helmet not used	10-15	107	86	72	77	94	72	55	52	52	52
	Helmet use unknown	10-15	53	57	24	34	34	28	25	21	15	19
	Subtotal	10-15	202	186	139	164	193	167	128	115	109	114
	Helmet used	16-20	85	84	85	79	84	63	51	48	40	55
	Helmet not used	16-20	309	232	219	213	225	175	130	149	104	144
	Helmet use unknown	16-20	113	130	87	88	78	58	55	36	36	46
	Subtotal	16-20	507	446	391	380	387	296	236	233	180	245
	Helmet used	21-24	57	53	58	45	61	50	35	26	27	25
	Helmet not used	21-24	248	240	202	208	214	167	154	124	148	139
	Helmet use unknown	21-24	76	75	55	45	57	49	36	38	49	40
	Subtotal	21-24	381	368	315	298	332	266	225	188	224	204
	Helmet used	25-34	83	71	57	69	89	74	51	58	48	72
	Helmet not used	25-34	342	338	274	239	284	296	238	223	250	243
	Helmet use unknown	25-34	129	156	101	107	96	78	77	73	83	68
	Subtotal	25-34	554	565	432	415	469	448	366	354	381	383
	Helmet used	35-44	48	53	48	41	56	56	44	53	58	59
	Helmet not used	35-44	197	177	169	184	177	186	153	188	221	236
	Helmet use unknown	35-44	55	77	56	67	55	65	56	65	82	70
	Subtotal	35-44	300	307	273	292	288	307	253	306	361	365
	Helmet used	45-54	36	27	33	42	43	49	37	48	53	60
	Helmet not used	45-54	61	71	65	77	85	81	82	97	131	136
	Helmet use unknown	45-54	26	23	22	19	34	25	32	37	41	52
	Subtotal	45-54	123	121	120	138	162	155	151	182	225	248
	Helmet used	55-64	21	16	11	22	22	21	18	28	24	26
	Helmet not used	55-64	17	21	19	18	24	26	21	21	33	33
	Helmet use unknown	55-64	10	9	10	10	7	9	8	10	22	12
	Subtotal	55-64	48	46	40	50	53	56	47	59	79	71
	Helmet used	65-74	10	4	7	6	7	5	5	3	14	11
	Helmet not used	65-74	8	14	10	7	3	9	11	13	11	13
	Helmet use unknown	65-74	3	5	5	5	2	3	1	2	2	3
	Subtotal	65-74	21	23	22	18	12	17	17	18	27	27
	Helmet used	>74	1	7	0	1	1	2	3	2	0	2
	Helmet not used	>74	7	2	7	2	3	5	4	1	0	5
	Helmet use unknown	>74	2	7	1	0	1	3	1	2	1	1
	Subtotal	>74	10	16	8	3	5	10	8	5	1	8
	Helmet used	Unknown	1	3	5	4	3	1	3	1	2	1
	Helmet not used	Unknown	8	4	9	8	10	11	6	8	6	7
	Helmet use unknown	Unknown	10	9	6	9	4	9	2	5	1	5
	Subtotal	Unknown	19	16	20	21	17	21	11	14	9	13
	Helmet used	All	384	361	347	362	431	388	295	309	308	354
	Helmet not used	All	1,304	1,185	1,046	1,033	1,119	1,028	854	876	956	1,008
	Helmet use unknown	All	477	548	367	384	368	327	293	289	332	316
	Total	All	2,165	2,094	1,760	1,779	1,918	1,743	1,442	1,474	1,596	1,678

Rows listed as "Unknown" are only included where necessary. Operators age 0-9 are included in the "Unknown" category.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 51: Motorcycle Operators Killed or Injured by Helmet Use and Age

STATE	HELMET USE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED						
Kansas	Helmet used	10-15	0	0	0	0	0	0	0	0	0	0
	Helmet not used	10-15	0	0	0	0	0	0	0	0	0	0
	Helmet use unknown	10-15	0	0	0	0	0	0	0	0	1	0
	Subtotal	10-15	0	0	0	0	0	0	0	0	1	0
	Helmet used	16-20	0	3	2	0	1	0	0	0	2	0
	Helmet not used	16-20	2	0	0	1	0	0	0	0	0	0
	Helmet use unknown	16-20	3	2	2	2	1	3	3	2	3	0
	Subtotal	16-20	5	5	4	3	2	3	3	2	5	0
	Helmet used	21-24	1	1	0	1	0	0	0	0	0	0
	Helmet not used	21-24	1	1	2	0	0	0	2	1	0	0
	Helmet use unknown	21-24	2	4	0	2	3	1	1	1	2	3
	Subtotal	21-24	4	6	2	3	3	1	3	2	2	3
	Helmet used	25-34	4	2	2	0	0	0	0	1	2	0
	Helmet not used	25-34	1	2	1	0	2	2	0	2	0	3
	Helmet use unknown	25-34	9	11	7	4	3	5	3	4	1	1
	Subtotal	25-34	14	15	10	4	5	7	3	7	3	4
	Helmet used	35-44	0	2	1	0	0	1	0	0	1	1
	Helmet not used	35-44	0	4	1	1	2	0	2	1	0	1
	Helmet use unknown	35-44	3	4	4	0	3	0	0	1	5	1
	Subtotal	35-44	3	10	6	1	5	1	2	2	6	3
	Helmet used	45-54	0	0	0	0	1	0	0	2	0	2
	Helmet not used	45-54	0	0	0	1	1	0	1	0	0	1
	Helmet use unknown	45-54	1	1	1	1	1	1	1	1	1	0
	Subtotal	45-54	1	1	1	2	3	1	2	3	1	3
	Helmet used	55-64	0	0	0	0	0	0	0	0	0	0
	Helmet not used	55-64	0	0	0	0	0	0	0	0	0	0
	Helmet use unknown	55-64	0	3	0	1	0	0	0	0	0	1
	Subtotal	55-64	0	3	0	1	0	0	0	0	0	1
	Helmet used	65-74	0	0	0	3	1	0	1	0	0	0
	Helmet not used	65-74	0	0	2	0	0	0	0	0	0	0
	Helmet use unknown	65-74	0	0	0	0	0	0	2	0	0	0
	Subtotal	65-74	0	0	2	3	1	0	3	0	0	0
	Helmet used	>74	0	0	0	0	0	0	0	0	1	0
	Helmet not used	>74	0	0	0	0	0	0	0	0	0	0
	Subtotal	>74	0	0	0	0	0	0	0	0	1	0
	Helmet used	All	5	8	5	4	3	1	1	3	6	3
	Helmet not used	All	4	7	6	3	5	2	5	4	0	5
	Helmet use unknown	All	18	25	14	10	11	10	10	9	13	6
	Total	All	27	40	25	17	19	13	16	16	19	14

Rows listed as "Unknown" are only included where necessary. Operators age 0-9 are included in the "Unknown" category.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 51: Motorcycle Operators Killed or Injured by Helmet Use and Age

STATE	HELMET USE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURED						
Kansas	Helmet used	10-15	16	11	9	5	7	3	2	2	0	2
	Helmet not used	10-15	3	1	2	1	0	1	0	1	0	0
	Helmet use unknown	10-15	17	23	11	9	4	11	5	4	5	6
	Subtotal	10-15	36	35	22	15	11	15	7	7	5	8
	Helmet used	16-20	54	47	43	37	27	17	25	12	12	18
	Helmet not used	16-20	64	71	41	39	22	20	15	16	13	19
	Helmet use unknown	16-20	115	111	78	64	61	57	49	31	43	38
	Subtotal	16-20	233	229	162	140	110	94	89	59	68	75
	Helmet used	21-24	43	38	34	25	26	20	20	14	15	16
	Helmet not used	21-24	49	45	47	31	23	33	29	25	23	26
	Helmet use unknown	21-24	88	84	69	54	69	45	57	40	36	49
	Subtotal	21-24	180	167	150	110	118	98	106	79	74	91
	Helmet used	25-34	38	49	40	51	28	33	26	40	20	33
	Helmet not used	25-34	109	88	79	53	49	41	33	34	31	29
	Helmet use unknown	25-34	125	136	102	103	95	79	93	68	47	48
	Subtotal	25-34	272	273	221	207	172	153	152	142	98	110
	Helmet used	35-44	33	37	35	28	28	19	17	23	23	24
	Helmet not used	35-44	40	45	30	40	35	31	39	51	32	44
	Helmet use unknown	35-44	62	62	60	58	76	62	77	61	65	66
	Subtotal	35-44	135	144	125	126	139	112	133	135	120	134
	Helmet used	45-54	12	14	13	16	24	19	16	13	17	19
	Helmet not used	45-54	12	13	11	13	13	15	10	14	18	20
	Helmet use unknown	45-54	24	28	18	20	29	41	29	43	47	47
	Subtotal	45-54	48	55	42	49	66	75	55	70	82	86
	Helmet used	55-64	7	8	4	8	11	4	10	8	5	10
	Helmet not used	55-64	7	5	1	2	2	2	7	5	4	10
	Helmet use unknown	55-64	3	6	8	6	4	10	15	9	13	15
	Subtotal	55-64	17	19	13	16	17	16	32	22	22	35
	Helmet used	65-74	1	3	4	2	2	4	1	0	2	0
	Helmet not used	65-74	1	4	2	1	1	4	1	1	0	0
	Helmet use unknown	65-74	5	6	6	3	2	1	2	3	7	5
	Subtotal	65-74	7	13	12	6	5	9	4	4	9	5
	Helmet used	>74	0	0	0	0	2	0	1	0	3	0
	Helmet not used	>74	1	0	0	0	0	0	1	0	0	0
	Helmet use unknown	>74	2	1	1	0	1	0	0	0	2	0
	Subtotal	>74	3	1	1	0	3	0	2	0	5	0
	Helmet used	Unknown	1	1	0	1	0	0	0	0	2	1
	Helmet not used	Unknown	0	0	0	0	0	0	1	0	0	0
	Helmet use unknown	Unknown	4	5	3	3	0	2	3	4	3	2
	Subtotal	Unknown	5	6	3	4	0	2	4	4	5	3
	Helmet used	All	205	208	182	173	155	119	118	112	99	123
	Helmet not used	All	286	272	213	180	145	147	136	147	121	148
	Helmet use unknown	All	445	462	356	320	341	308	330	263	268	276
	Total	All	936	942	751	673	641	574	584	522	488	547

Rows listed as "Unknown" are only included where necessary. Operators age 0-9 are included in the "Unknown" category.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 51: Motorcycle Operators Killed or Injured by Helmet Use and Age

STATE	HELMET USE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED						
Maryland	Helmet used	10-15	0	0	0	0	1	0	0	0	0	0
	Helmet not used	10-15	0	0	1	2	0	2	0	0	0	0
	Subtotal	10-15	0	0	1	2	1	2	0	0	0	0
	Helmet used	16-20	3	1	1	5	0	3	4	0	3	5
	Helmet not used	16-20	1	3	6	0	0	2	1	1	0	5
	Helmet use unknown	16-20	1	1	0	1	0	1	0	0	1	0
	Subtotal	16-20	5	5	7	6	0	6	5	1	4	10
	Helmet used	21-24	3	2	3	3	4	5	2	2	2	5
	Helmet not used	21-24	4	3	4	7	1	1	3	2	1	0
	Helmet use unknown	21-24	0	0	0	1	0	0	0	0	0	0
	Subtotal	21-24	7	5	7	11	5	6	5	4	3	5
	Helmet used	25-34	5	6	5	12	9	5	6	8	12	11
	Helmet not used	25-34	16	18	10	4	1	1	0	1	2	1
	Helmet use unknown	25-34	1	1	0	0	0	0	0	0	0	1
	Subtotal	25-34	22	25	15	16	10	6	6	9	14	13
	Helmet used	35-44	1	0	4	4	7	8	6	6	6	6
	Helmet not used	35-44	6	3	5	3	1	0	0	1	1	0
	Helmet use unknown	35-44	0	1	2	0	0	0	0	0	0	0
	Subtotal	35-44	7	4	11	7	8	8	6	7	7	6
	Helmet used	45-54	0	2	3	3	2	0	0	4	1	3
	Helmet not used	45-54	0	5	3	0	0	0	1	0	0	2
	Helmet use unknown	45-54	0	1	1	0	0	0	0	0	0	0
	Subtotal	45-54	0	8	7	3	2	0	1	4	1	5
	Helmet used	55-64	0	0	0	0	0	0	1	1	1	3
	Helmet not used	55-64	0	0	0	0	0	0	1	0	0	0
	Helmet use unknown	55-64	0	0	1	0	0	0	0	0	0	0
	Subtotal	55-64	0	0	1	0	0	0	2	1	1	3
	Helmet used	65-74	0	0	0	0	0	0	0	0	1	1
	Helmet not used	65-74	0	0	0	0	0	0	0	0	1	0
	Helmet use unknown	65-74	0	0	0	1	0	0	0	0	0	0
	Subtotal	65-74	0	0	0	1	0	0	0	0	2	1
	Helmet used	>74	0	0	0	0	0	0	0	0	0	0
	Helmet not used	>74	0	0	0	1	0	0	0	0	0	0
	Subtotal	>74	0	0	0	1	0	0	0	0	0	0
	Helmet used	All	12	11	16	27	23	21	19	21	26	34
	Helmet not used	All	27	32	29	17	3	6	6	5	5	8
	Helmet use unknown	All	2	4	4	3	0	1	0	0	1	1
	Total	All	41	47	49	47	26	28	25	26	32	43

Rows listed as "Unknown" are only included where necessary. Operators age 0-9 are included in the "Unknown" category.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 51: Motorcycle Operators Killed or Injured by Helmet Use and Age

STATE	HELMET USE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURED						
Maryland	Helmet used	10-15	6	7	4	4	3	6	2	7	2	2
	Helmet not used	10-15	15	30	20	14	21	9	6	8	11	10
	Helmet use unknown	10-15	1	2	5	0	1	2	3	2	1	2
	Subtotal	10-15	22	39	29	18	25	17	11	17	14	14
	Helmet used	16-20	92	95	78	67	63	50	27	42	38	39
	Helmet not used	16-20	151	167	81	48	36	39	28	26	29	27
	Helmet use unknown	16-20	18	19	21	54	16	11	12	8	5	10
	Subtotal	16-20	261	281	180	169	115	100	67	76	72	76
	Helmet used	21-24	106	113	101	126	138	112	76	63	62	70
	Helmet not used	21-24	162	139	107	40	29	28	25	17	24	25
	Helmet use unknown	21-24	29	29	20	62	10	15	14	8	13	7
	Subtotal	21-24	297	281	228	228	177	155	115	88	99	102
	Helmet used	25-34	146	134	152	203	229	212	161	149	184	205
	Helmet not used	25-34	298	312	229	61	53	39	38	43	47	47
	Helmet use unknown	25-34	47	44	38	165	26	28	29	34	20	22
	Subtotal	25-34	491	490	419	429	308	279	228	226	251	274
	Helmet used	35-44	72	84	67	102	131	131	109	119	134	147
	Helmet not used	35-44	106	121	82	35	29	22	27	25	30	41
	Helmet use unknown	35-44	15	15	15	74	15	12	22	18	12	11
	Subtotal	35-44	193	220	164	211	175	165	158	162	176	199
	Helmet used	45-54	29	30	30	52	49	48	69	57	81	85
	Helmet not used	45-54	46	39	33	10	10	10	8	17	14	17
	Helmet use unknown	45-54	4	9	9	51	4	5	9	10	3	9
	Subtotal	45-54	79	78	72	113	63	63	86	84	98	111
	Helmet used	55-64	13	10	8	19	22	20	10	29	21	22
	Helmet not used	55-64	14	9	11	5	3	7	3	2	5	2
	Helmet use unknown	55-64	2	6	3	26	1	2	4	5	2	3
	Subtotal	55-64	29	25	22	50	26	29	17	36	28	27
	Helmet used	65-74	0	0	3	7	5	5	5	9	9	6
	Helmet not used	65-74	3	7	2	6	6	2	8	2	2	1
	Helmet use unknown	65-74	1	1	2	21	1	1	1	2	1	1
	Subtotal	65-74	4	8	7	34	12	8	14	13	12	8
	Helmet used	>74	1	0	0	0	0	1	0	0	1	0
	Helmet not used	>74	2	2	2	2	0	0	0	0	0	0
	Helmet use unknown	>74	1	0	0	15	0	0	1	1	0	0
	Subtotal	>74	4	2	2	17	0	1	1	1	1	0
	Helmet used	Unknown	3	2	3	8	11	2	6	4	3	4
	Helmet not used	Unknown	7	3	2	6	6	4	7	6	1	4
	Helmet use unknown	Unknown	0	0	1	10	4	3	6	7	5	6
	Subtotal	Unknown	10	5	6	24	21	9	19	17	9	14
	Helmet used	All	468	475	446	588	651	587	465	479	535	580
	Helmet not used	All	804	829	569	227	193	160	150	146	163	174
	Helmet use unknown	All	118	125	114	478	78	79	101	95	62	71
	Total	All	1,390	1,429	1,129	1,293	922	826	716	720	760	825

Rows listed as "Unknown" are only included where necessary. Operators age 0-9 are included in the "Unknown" category.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 51: Motorcycle Operators Killed or Injured by Helmet Use and Age

STATE	HELMET USE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED						
Michigan	Helmet used	10-15	0	2	0	1	0	0	0	0	1	1
	Helmet not used	10-15	1	0	0	0	0	0	0	0	0	0
	Helmet use unknown	10-15	0	0	1	1	0	1	0	1	0	0
	Subtotal	10-15	1	2	1	2	0	1	0	1	1	1
	Helmet used	16-20	10	8	1	2	7	5	3	3	3	2
	Helmet not used	16-20	2	1	1	0	1	1	2	1	0	0
	Helmet use unknown	16-20	0	0	2	2	2	1	0	2	0	1
	Subtotal	16-20	12	9	4	4	10	7	5	6	3	3
	Helmet used	21-24	10	14	5	6	6	16	9	8	3	6
	Helmet not used	21-24	3	1	0	0	0	1	0	2	1	0
	Helmet use unknown	21-24	0	2	3	3	6	4	0	1	1	3
	Subtotal	21-24	13	17	8	9	12	21	9	11	5	9
	Helmet used	25-34	17	16	5	9	12	9	19	11	13	14
	Helmet not used	25-34	3	3	0	0	1	1	0	0	2	2
	Helmet use unknown	25-34	1	3	4	7	3	7	1	7	4	6
	Subtotal	25-34	21	22	9	16	16	17	20	18	19	22
	Helmet used	35-44	17	13	6	6	10	10	8	4	8	20
	Helmet not used	35-44	1	0	0	3	0	0	0	1	1	1
	Helmet use unknown	35-44	0	1	5	3	6	1	1	5	1	5
	Subtotal	35-44	18	14	11	12	16	11	9	10	10	26
	Helmet used	45-54	4	8	1	3	3	10	6	4	4	6
	Helmet not used	45-54	0	3	0	0	0	0	0	1	1	0
	Helmet use unknown	45-54	0	1	0	2	2	3	0	1	1	2
	Subtotal	45-54	4	12	1	5	5	13	6	6	6	8
	Helmet used	55-64	6	0	0	0	1	3	1	0	4	3
	Helmet not used	55-64	0	0	1	1	0	0	0	0	0	0
	Helmet use unknown	55-64	0	0	1	0	2	0	0	1	1	0
	Subtotal	55-64	6	0	2	1	3	3	1	1	5	3
	Helmet used	65-74	1	0	2	0	1	1	1	2	0	1
	Helmet not used	65-74	0	0	0	0	0	0	0	1	0	1
	Helmet use unknown	65-74	0	0	0	0	1	0	0	1	0	1
	Subtotal	65-74	1	0	2	0	2	1	1	4	0	3
	Helmet used	>74	0	0	0	0	0	0	0	0	0	1
	Helmet not used	>74	1	0	0	0	0	0	0	0	0	0
	Subtotal	>74	1	0	0	0	0	0	0	0	0	1
	Helmet used	Unknown	1	0	0	0	0	0	0	0	0	0
	Helmet use unknown	Unknown	0	0	0	2	0	1	3	2	0	2
	Subtotal	Unknown	1	0	0	2	0	1	3	2	0	2
	Helmet used	All	66	61	20	27	40	54	47	32	36	54
	Helmet not used	All	11	8	2	4	2	3	2	6	5	4
	Helmet use unknown	All	1	7	16	20	22	18	5	21	8	20
	Total	All	78	76	38	51	64	75	54	59	49	78

Rows listed as "Unknown" are only included where necessary. Operators age 0-9 are included in the "Unknown" category.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 51: Motorcycle Operators Killed or Injured by Helmet Use and Age

STATE	HELMET USE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURED						
Michigan	Helmet used	10-15	104	121	60	82	71	61	62	48	54	42
	Helmet not used	10-15	100	76	16	18	22	11	12	21	11	13
	Helmet use unknown	10-15	11	9	57	77	59	54	30	18	23	25
	Subtotal	10-15	215	206	133	177	152	126	104	87	88	80
	Helmet used	16-20	393	287	146	215	248	185	140	144	173	134
	Helmet not used	16-20	163	163	27	19	22	20	22	13	17	11
	Helmet use unknown	16-20	23	15	104	129	117	114	74	62	59	57
	Subtotal	16-20	579	465	277	363	387	319	236	219	249	202
	Helmet used	21-24	310	265	156	224	256	188	210	173	182	173
	Helmet not used	21-24	123	118	13	15	9	12	15	13	6	10
	Helmet use unknown	21-24	15	23	104	139	118	112	81	67	91	74
	Subtotal	21-24	448	406	273	378	383	312	306	253	279	257
	Helmet used	25-34	539	517	255	344	364	348	321	299	321	324
	Helmet not used	25-34	211	188	21	32	24	13	15	11	17	13
	Helmet use unknown	25-34	31	20	180	231	202	183	152	152	160	154
	Subtotal	25-34	781	725	456	607	590	544	488	462	498	491
	Helmet used	35-44	365	357	170	270	326	265	298	288	344	312
	Helmet not used	35-44	129	133	12	14	18	16	19	16	24	10
	Helmet use unknown	35-44	14	21	133	148	156	143	141	117	158	155
	Subtotal	35-44	508	511	315	432	500	424	458	421	526	477
	Helmet used	45-54	122	149	79	119	132	156	151	208	251	293
	Helmet not used	45-54	56	61	6	5	5	5	8	2	8	9
	Helmet use unknown	45-54	10	4	51	87	74	71	66	80	88	97
	Subtotal	45-54	188	214	136	211	211	232	225	290	347	399
	Helmet used	55-64	39	35	14	34	40	32	42	52	74	101
	Helmet not used	55-64	24	17	5	2	0	5	2	4	2	3
	Helmet use unknown	55-64	0	3	17	20	15	17	22	15	33	29
	Subtotal	55-64	63	55	36	56	55	54	66	71	109	133
	Helmet used	65-74	12	8	4	9	11	8	8	11	15	14
	Helmet not used	65-74	9	10	2	1	0	3	2	1	5	1
	Helmet use unknown	65-74	2	0	6	6	7	5	8	4	8	10
	Subtotal	65-74	23	18	12	16	18	16	18	16	28	25
	Helmet used	>74	2	1	2	1	2	1	1	2	2	3
	Helmet not used	>74	4	2	0	0	0	2	1	1	1	0
	Helmet use unknown	>74	0	0	2	7	1	0	3	1	3	0
	Subtotal	>74	6	3	4	8	3	3	5	4	6	3
	Helmet used	Unknown	28	26	27	1	2	5	5	5	6	8
	Helmet not used	Unknown	13	11	4	3	2	5	0	0	2	1
	Helmet use unknown	Unknown	3	4	59	111	91	68	64	55	83	59
	Subtotal	Unknown	44	41	90	115	95	78	69	60	91	68
	Helmet used	All	1,914	1,766	913	1,299	1,452	1,249	1,238	1,230	1,422	1,404
	Helmet not used	All	832	779	106	109	102	92	96	82	93	71
	Helmet use unknown	All	109	99	713	955	840	767	641	571	706	660
	Total	All	2,855	2,644	1,732	2,363	2,394	2,108	1,975	1,883	2,221	2,135

Rows listed as "Unknown" are only included where necessary. Operators age 0-9 are included in the "Unknown" category.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 51: Motorcycle Operators Killed or Injured by Helmet Use and Age

STATE	HELMET USE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED						
Missouri	Helmet used	10-15	0	0	0	0	0	0	0	1	1	0
	Helmet not used	10-15	0	0	0	0	0	1	0	0	1	0
	Subtotal	10-15	0	0	0	0	0	1	0	1	2	0
	Helmet used	16-20	6	7	4	3	6	1	3	2	1	2
	Helmet not used	16-20	0	3	2	2	1	1	0	1	1	2
	Subtotal	16-20	6	10	6	5	7	2	3	3	2	4
	Helmet used	21-24	9	6	5	2	6	6	4	3	1	4
	Helmet not used	21-24	0	2	2	2	1	1	2	0	0	0
	Helmet use unknown	21-24	0	0	0	0	1	0	0	0	0	0
	Subtotal	21-24	9	8	7	4	8	7	6	3	1	4
	Helmet used	25-34	9	6	10	8	5	12	8	10	5	4
	Helmet not used	25-34	2	0	1	3	1	1	0	1	0	0
	Helmet use unknown	25-34	2	0	1	1	1	1	2	0	4	1
	Subtotal	25-34	13	6	12	12	7	14	10	11	9	5
	Helmet used	35-44	7	4	12	1	8	9	7	9	5	5
	Helmet not used	35-44	2	1	0	0	0	1	2	0	1	1
	Helmet use unknown	35-44	1	0	0	2	0	0	1	0	0	1
	Subtotal	35-44	10	5	12	3	8	10	10	9	6	7
	Helmet used	45-54	1	3	3	1	3	1	3	5	2	9
	Helmet not used	45-54	0	1	1	0	0	0	0	0	0	0
	Helmet use unknown	45-54	0	1	0	0	0	0	0	0	0	0
	Subtotal	45-54	1	5	4	1	3	1	3	5	2	9
	Helmet used	55-64	3	2	2	0	1	0	0	2	1	4
	Helmet not used	55-64	0	0	0	0	0	0	0	0	0	0
	Helmet use unknown	55-64	0	0	0	0	0	0	0	0	1	0
	Subtotal	55-64	3	2	2	0	1	0	0	2	2	4
	Helmet used	65-74	1	0	0	0	1	1	1	0	3	0
	Helmet not used	65-74	0	1	0	0	1	0	0	0	0	0
	Subtotal	65-74	1	1	0	0	2	1	1	0	3	0
	Helmet used	>74	0	0	0	0	0	0	0	0	0	1
	Helmet not used	>74	0	0	0	1	0	0	0	0	0	0
	Subtotal	>74	0	0	0	1	0	0	0	0	0	1
	Helmet used	All	36	28	36	15	30	30	26	32	19	29
	Helmet not used	All	4	8	6	8	4	5	4	2	3	3
	Helmet use unknown	All	3	1	1	3	2	1	3	0	5	2
	Total	All	43	37	43	26	36	36	33	34	27	34

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Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 51: Motorcycle Operators Killed or Injured by Helmet Use and Age

STATE	HELMET USE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURED						
Missouri	Helmet used	10-15	9	10	11	5	8	5	10	6	6	6
	Helmet not used	10-15	12	13	15	3	11	4	2	7	7	7
	Helmet use unknown	10-15	6	4	6	4	2	3	2	2	2	4
	Subtotal	10-15	27	27	32	12	21	12	14	15	15	17
	Helmet used	16-20	216	160	166	151	124	100	80	80	67	72
	Helmet not used	16-20	25	16	18	9	16	6	10	12	19	13
	Helmet use unknown	16-20	58	51	32	24	30	19	21	31	17	11
	Subtotal	16-20	299	227	216	184	170	125	111	123	103	96
	Helmet used	21-24	178	139	167	132	134	91	110	80	71	90
	Helmet not used	21-24	11	6	13	8	10	11	8	12	5	8
	Helmet use unknown	21-24	47	46	33	32	31	31	17	31	21	18
	Subtotal	21-24	236	191	213	172	175	133	135	123	97	116
	Helmet used	25-34	329	280	247	221	198	191	166	171	161	172
	Helmet not used	25-34	26	15	26	10	24	12	8	10	19	19
	Helmet use unknown	25-34	94	79	58	47	50	40	39	51	31	55
	Subtotal	25-34	449	374	331	278	272	243	213	232	211	246
	Helmet used	35-44	142	197	152	148	178	168	179	158	161	175
	Helmet not used	35-44	6	9	3	7	13	10	6	10	4	10
	Helmet use unknown	35-44	39	41	39	27	26	23	34	42	34	42
	Subtotal	35-44	187	247	194	182	217	201	219	210	199	227
	Helmet used	45-54	59	62	53	54	75	85	74	106	113	148
	Helmet not used	45-54	3	4	3	2	8	4	2	1	5	1
	Helmet use unknown	45-54	9	14	16	13	19	18	20	23	23	28
	Subtotal	45-54	71	80	72	69	102	107	96	130	141	177
	Helmet used	55-64	24	18	17	25	22	27	42	26	34	55
	Helmet not used	55-64	0	0	0	1	1	0	4	1	1	2
	Helmet use unknown	55-64	2	5	8	8	5	4	10	8	8	13
	Subtotal	55-64	26	23	25	34	28	31	56	35	43	70
	Helmet used	65-74	3	9	11	8	11	5	8	9	7	14
	Helmet not used	65-74	0	0	0	3	0	1	1	1	1	1
	Helmet use unknown	65-74	1	2	3	1	2	2	2	8	2	6
	Subtotal	65-74	4	11	14	12	13	8	11	18	10	21
	Helmet used	>74	1	2	2	2	2	2	3	1	1	4
	Helmet not used	>74	0	0	0	0	0	0	0	0	0	0
	Helmet use unknown	>74	0	0	1	0	1	0	0	3	2	2
	Subtotal	>74	1	2	3	2	3	2	3	4	3	6
	Helmet used	Unknown	4	7	6	5	6	5	7	5	3	1
	Helmet not used	Unknown	0	0	1	1	0	2	0	1	1	0
	Helmet use unknown	Unknown	3	4	1	8	7	3	9	1	2	5
	Subtotal	Unknown	7	11	8	14	13	10	16	7	6	6
	Helmet used	All	965	884	832	751	758	679	679	642	624	737
	Helmet not used	All	83	63	79	44	83	50	41	55	62	61
	Helmet use unknown	All	259	246	197	164	173	143	154	200	142	184
	Total	All	1,307	1,193	1,108	959	1,014	872	874	897	828	982

Rows listed as "Unknown" are only included where necessary. Operators age 0-9 are included in the "Unknown" category.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 51: Motorcycle Operators Killed or Injured by Helmet Use and Age

STATE	HELMET USE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED						
New Mexico	Helmet used	10-15	0	0	1	0	0	0	0	0	0	0
	Helmet not used	10-15	2	0	1	0	0	0	0	1	0	0
	Subtotal	10-15	2	0	2	0	0	0	0	1	0	0
	Helmet used	16-20	3	1	0	1	0	2	1	0	0	0
	Helmet not used	16-20	3	5	2	5	1	3	3	1	1	1
	Subtotal	16-20	6	6	2	6	1	5	4	1	1	1
	Helmet used	21-24	1	0	4	0	0	3	0	1	0	0
	Helmet not used	21-24	3	5	2	3	6	2	1	2	4	0
	Subtotal	21-24	4	5	6	3	6	5	1	3	4	0
	Helmet used	25-34	1	0	2	0	2	2	1	0	0	1
	Helmet not used	25-34	12	6	10	8	2	9	3	6	2	6
	Subtotal	25-34	13	6	12	8	4	11	4	6	2	7
	Helmet used	35-44	0	5	0	1	1	1	0	1	1	2
	Helmet not used	35-44	8	9	4	1	4	5	8	8	5	1
	Subtotal	35-44	8	14	4	2	5	6	8	9	6	3
	Helmet used	45-54	0	1	0	2	1	0	0	0	1	1
	Helmet not used	45-54	2	3	0	3	1	2	2	3	2	4
	Subtotal	45-54	2	4	0	5	2	2	2	3	3	5
	Helmet used	55-64	0	0	0	0	1	0	0	0	0	1
	Helmet not used	55-64	0	0	0	2	0	0	2	0	0	1
	Subtotal	55-64	0	0	0	2	1	0	2	0	0	2
	Helmet used	65-74	0	0	1	1	0	0	0	0	0	0
	Helmet not used	65-74	0	0	0	0	1	1	0	0	0	1
	Subtotal	65-74	0	0	1	1	1	1	0	0	0	1
	Helmet used	>74	0	0	0	0	0	0	0	0	1	0
	Helmet not used	>74	0	0	0	0	0	0	2	0	0	0
	Subtotal	>74	0	0	0	0	0	0	2	0	1	0
	Helmet used	All	5	7	8	5	5	8	2	2	3	5
	Helmet not used	All	30	28	19	22	15	22	21	21	14	14
	Total	All	35	35	27	27	20	30	23	23	17	19

Rows listed as "Unknown" are only included where necessary. Operators age 0-9 are included in the "Unknown" category.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 51: Motorcycle Operators Killed or Injured by Helmet Use and Age

STATE	HELMET USE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURED						
New Mexico	Helmet used	10-15	19	18	18	7	14	18	13	22	12	8
	Helmet not used	10-15	24	29	28	38	25	23	23	24	15	19
	Subtotal	10-15	43	47	46	45	39	41	36	46	27	27
	Helmet used	16-20	62	62	59	60	64	49	40	40	29	15
	Helmet not used	16-20	109	115	114	113	93	86	66	50	61	33
	Helmet use unknown	16-20	0	1	0	0	0	0	0	0	0	0
	Subtotal	16-20	171	178	173	173	157	135	106	90	90	48
	Helmet used	21-24	57	53	56	48	66	44	29	26	21	19
	Helmet not used	21-24	87	92	97	97	101	90	58	43	48	32
	Helmet use unknown	21-24	0	0	0	1	0	0	0	0	0	0
	Subtotal	21-24	144	145	153	146	167	134	87	69	69	51
	Helmet used	25-34	86	69	83	50	76	63	65	53	50	33
	Helmet not used	25-34	214	187	196	173	142	139	130	98	97	79
	Helmet use unknown	25-34	2	1	0	0	0	0	1	0	0	0
	Subtotal	25-34	302	257	279	223	218	202	196	151	147	112
	Helmet used	35-44	41	41	37	39	40	43	32	36	42	32
	Helmet not used	35-44	96	102	91	103	101	97	93	94	105	83
	Helmet use unknown	35-44	2	0	0	0	0	0	2	1	0	1
	Subtotal	35-44	139	143	128	142	141	140	127	131	147	116
	Helmet used	45-54	19	21	23	31	29	40	26	42	30	25
	Helmet not used	45-54	28	26	28	43	33	45	42	48	44	49
	Helmet use unknown	45-54	0	0	0	0	0	0	1	0	0	1
	Subtotal	45-54	47	47	51	74	62	85	69	90	74	75
	Helmet used	55-64	10	12	12	17	8	15	11	10	11	19
	Helmet not used	55-64	11	8	3	12	8	22	10	10	12	19
	Helmet use unknown	55-64	0	0	0	0	0	0	1	0	0	0
	Subtotal	55-64	21	20	15	29	16	37	22	20	23	38
	Helmet used	65-74	2	5	5	6	4	3	3	3	0	5
	Helmet not used	65-74	4	1	1	4	5	3	8	4	6	2
	Subtotal	65-74	6	6	6	10	9	6	11	7	6	7
	Helmet used	>74	0	1	2	2	3	1	0	1	0	2
	Helmet not used	>74	2	0	1	1	2	1	3	1	1	0
	Subtotal	>74	2	1	3	3	5	2	3	2	1	2
	Helmet used	Unknown	1	1	2	2	2	1	2	1	2	1
	Helmet not used	Unknown	2	6	4	8	0	4	6	6	3	7
	Helmet use unknown	Unknown	2	0	0	0	0	0	0	0	0	0
	Subtotal	Unknown	5	7	6	10	2	5	8	7	5	8
	Helmet used	All	297	283	297	262	306	277	221	234	197	159
	Helmet not used	All	577	566	563	592	510	510	439	378	392	323
	Helmet use unknown	All	6	2	0	1	0	0	5	1	0	2
	Total	All	880	851	860	855	816	787	665	613	589	484

Rows listed as "Unknown" are only included where necessary. Operators age 0-9 are included in the "Unknown" category.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 51: Motorcycle Operators Killed or Injured by Helmet Use and Age

STATE	HELMET USE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED						
North	Helmet used	10-15	*	*	0	0	1	0	0	1	0	0
Carolina	Helmet not used	10-15	*	*	1	2	1	1	1	1	1	0
	Subtotal	10-15	*	*	1	2	2	1	1	2	1	0
	Helmet used	16-20	*	*	6	8	11	4	4	5	7	5
	Helmet not used	16-20	*	*	3	2	3	1	4	4	2	2
	Helmet use unknown	16-20	*	*	0	0	1	1	0	0	0	2
	Subtotal	16-20	*	*	9	10	15	6	8	9	9	9
	Helmet used	21-24	*	*	13	17	11	14	11	7	12	12
	Helmet not used	21-24	*	*	2	2	3	2	2	1	1	1
	Helmet use unknown	21-24	*	*	3	0	0	1	0	0	0	2
	Subtotal	21-24	*	*	18	19	14	17	13	8	13	15
	Helmet used	25-34	*	*	9	20	10	18	18	16	25	23
	Helmet not used	25-34	*	*	7	2	5	6	5	4	6	5
	Helmet use unknown	25-34	*	*	0	3	0	2	0	0	0	2
	Subtotal	25-34	*	*	16	25	15	26	23	20	31	30
	Helmet used	35-44	*	*	8	13	4	6	6	7	12	18
	Helmet not used	35-44	*	*	1	2	3	4	0	1	2	1
	Helmet use unknown	35-44	*	*	1	0	0	1	0	1	0	2
	Subtotal	35-44	*	*	10	15	7	11	6	9	14	21
	Helmet used	45-54	*	*	2	7	3	8	10	5	6	10
	Helmet not used	45-54	*	*	0	2	0	0	1	2	3	5
	Subtotal	45-54	*	*	2	9	3	8	11	7	9	15
	Helmet used	55-64	*	*	2	4	0	1	3	5	2	7
	Helmet not used	55-64	*	*	0	1	0	0	1	0	0	0
	Helmet use unknown	55-64	*	*	0	0	0	2	0	0	0	0
	Subtotal	55-64	*	*	2	5	0	3	4	5	2	7
	Helmet used	65-74	*	*	1	0	0	0	1	1	0	3
	Helmet not used	65-74	*	*	0	0	0	0	0	0	0	0
	Subtotal	65-74	*	*	1	0	0	0	1	1	0	3
	Helmet used	>74	*	*	0	0	0	0	0	0	0	0
	Helmet not used	>74	*	*	0	1	0	0	0	0	1	0
	Subtotal	>74	*	*	0	1	0	0	0	0	1	0
	Helmet used	All	*	*	41	69	40	51	53	47	64	78
	Helmet not used	All	*	*	14	14	15	14	14	13	16	14
	Helmet use unknown	All	*	*	4	3	1	7	0	1	0	8
	Total	All	*	*	59	86	56	72	67	61	80	100

**Data not available.*

Rows listed as "Unknown" are only included where necessary. Operators age 0-9 are included in the "Unknown" category.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 51: Motorcycle Operators Killed or Injured by Helmet Use and Age

STATE	HELMET USE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURED						
North Carolina	Helmet used	10-15	*	*	15	16	24	13	8	13	8	12
	Helmet not used	10-15	*	*	32	23	26	20	10	5	6	5
	Helmet use unknown	10-15	*	*	1	2	3	1	1	2	1	1
	Subtotal	10-15	*	*	48	41	53	34	19	20	15	18
	Helmet used	16-20	*	*	237	297	244	215	195	180	184	184
	Helmet not used	16-20	*	*	65	76	46	53	62	56	68	46
	Helmet use unknown	16-20	*	*	17	17	12	24	11	15	15	17
	Subtotal	16-20	*	*	319	390	302	292	268	251	267	247
	Helmet used	21-24	*	*	345	368	380	342	290	274	294	273
	Helmet not used	21-24	*	*	77	64	76	53	51	47	48	51
	Helmet use unknown	21-24	*	*	16	25	26	33	19	17	15	23
	Subtotal	21-24	*	*	438	457	482	428	360	338	357	347
	Helmet used	25-34	*	*	400	473	463	456	493	463	538	530
	Helmet not used	25-34	*	*	99	93	78	96	90	80	101	104
	Helmet use unknown	25-34	*	*	29	45	26	32	40	24	32	49
	Subtotal	25-34	*	*	528	611	567	584	623	567	671	683
	Helmet used	35-44	*	*	236	260	282	265	288	307	351	400
	Helmet not used	35-44	*	*	29	47	42	40	41	47	59	58
	Helmet use unknown	35-44	*	*	26	21	15	21	19	27	23	35
	Subtotal	35-44	*	*	291	328	339	326	348	381	433	493
	Helmet used	45-54	*	*	95	105	137	138	155	171	187	244
	Helmet not used	45-54	*	*	9	14	9	20	21	29	26	30
	Helmet use unknown	45-54	*	*	5	5	2	17	10	16	13	23
	Subtotal	45-54	*	*	109	124	148	175	186	216	226	297
	Helmet used	55-64	*	*	46	45	35	52	57	67	86	68
	Helmet not used	55-64	*	*	5	9	5	9	5	5	7	7
	Helmet use unknown	55-64	*	*	2	3	2	1	4	5	2	5
	Subtotal	55-64	*	*	53	57	42	62	66	77	95	80
	Helmet used	65-74	*	*	17	19	11	21	14	24	26	21
	Helmet not used	65-74	*	*	4	5	3	2	2	2	2	1
	Helmet use unknown	65-74	*	*	0	0	1	2	0	1	0	2
	Subtotal	65-74	*	*	21	24	15	25	16	27	28	24
	Helmet used	>74	*	*	3	3	5	6	4	5	9	8
	Helmet not used	>74	*	*	1	0	1	2	1	5	2	3
	Helmet use unknown	>74	*	*	0	1	0	0	0	1	1	1
	Subtotal	>74	*	*	4	4	6	8	5	11	12	12
	Helmet used	Unknown	*	*	3	3	2	2	5	1	2	0
	Helmet not used	Unknown	*	*	3	5	3	3	1	1	1	1
	Helmet use unknown	Unknown	*	*	0	0	1	1	1	1	0	0
	Subtotal	Unknown	*	*	6	8	6	6	7	3	3	1
	Helmet used	All	*	*	1,397	1,589	1,583	1,510	1,509	1,505	1,685	1,740
	Helmet not used	All	*	*	324	336	289	298	284	277	320	306
	Helmet use unknown	All	*	*	96	119	88	132	105	109	102	156
	Total	All	*	*	1,817	2,044	1,960	1,940	1,898	1,891	2,107	2,202

**Data not available.*

Rows listed as "Unknown" are only included where necessary. Operators age 0-9 are included in the "Unknown" category.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 51: Motorcycle Operators Killed or Injured by Helmet Use and Age

STATE	HELMET USE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED						
Ohio	Helmet used	10-15	2	0	0	0	3	1	1	0	0	0
	Helmet not used	10-15	2	0	0	2	1	1	0	2	1	1
	Subtotal	10-15	4	0	0	2	4	2	1	2	1	1
	Helmet used	16-20	11	6	2	2	2	3	2	1	2	3
	Helmet not used	16-20	5	16	5	6	10	6	7	3	7	3
	Helmet use unknown	16-20	0	0	0	0	0	0	0	0	0	1
	Subtotal	16-20	16	22	7	8	12	9	9	4	9	7
	Helmet used	21-24	3	6	2	2	4	5	8	4	5	5
	Helmet not used	21-24	16	26	17	20	11	16	12	11	18	8
	Subtotal	21-24	19	32	19	22	15	21	20	15	23	13
	Helmet used	25-34	9	8	4	2	9	7	2	5	5	8
	Helmet not used	25-34	46	52	30	28	29	21	34	19	24	26
	Helmet use unknown	25-34	0	0	0	1	0	0	0	0	0	3
	Subtotal	25-34	55	60	34	31	38	28	36	24	29	37
	Helmet used	35-44	6	2	3	8	2	3	2	3	0	2
	Helmet not used	35-44	30	25	20	24	13	22	18	29	22	19
	Helmet use unknown	35-44	0	0	0	0	0	0	0	0	0	6
	Subtotal	35-44	36	27	23	32	15	25	20	32	22	27
	Helmet used	45-54	2	1	3	4	4	1	4	2	1	5
	Helmet not used	45-54	7	8	11	7	5	6	13	10	13	9
	Helmet use unknown	45-54	0	0	0	0	0	0	0	0	0	2
	Subtotal	45-54	9	9	14	11	9	7	17	12	14	16
	Helmet used	55-64	1	0	0	3	1	1	2	0	0	4
	Helmet not used	55-64	0	0	1	4	0	2	1	4	5	3
	Subtotal	55-64	1	0	1	7	1	3	3	4	5	7
	Helmet used	65-74	0	0	0	0	1	0	1	0	1	3
	Helmet not used	65-74	1	1	0	0	0	3	0	1	0	1
	Subtotal	65-74	1	1	0	0	1	3	1	1	1	4
	Helmet used	>74	0	0	0	0	0	1	1	0	0	0
	Helmet not used	>74	0	0	0	1	0	0	1	2	0	0
	Subtotal	>74	0	0	0	1	0	1	2	2	0	0
	Helmet used	All	34	23	14	21	26	22	23	15	14	30
	Helmet not used	All	107	128	84	92	69	77	86	81	90	70
	Helmet use unknown	All	0	0	0	1	0	0	0	0	0	12
	Total	All	141	151	98	114	95	99	109	96	104	112

Rows listed as "Unknown" are only included where necessary. Operators age 0-9 are included in the "Unknown" category.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 51: Motorcycle Operators Killed or Injured by Helmet Use and Age

STATE	HELMET USE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURED						
Ohio	Helmet used	10-15	73	56	44	54	57	55	33	39	32	50
	Helmet not used	10-15	60	113	88	87	86	70	63	38	37	47
	Helmet use unknown	10-15	52	1	1	2	4	0	7	8	15	7
	Subtotal	10-15	185	170	133	143	147	125	103	85	84	104
	Helmet used	16-20	252	225	156	191	168	148	99	88	102	99
	Helmet not used	16-20	287	372	313	283	257	199	164	122	113	118
	Helmet use unknown	16-20	176	7	8	3	7	6	17	16	25	24
	Subtotal	16-20	715	604	477	477	432	353	280	226	240	241
	Helmet used	21-24	150	170	145	152	133	128	87	103	92	122
	Helmet not used	21-24	310	451	387	376	365	312	236	198	184	191
	Helmet use unknown	21-24	140	4	4	5	4	6	13	31	29	25
	Subtotal	21-24	600	625	536	533	502	446	336	332	305	338
	Helmet used	25-34	260	227	202	197	204	167	149	172	184	179
	Helmet not used	25-34	765	1,018	745	767	663	650	499	469	515	513
	Helmet use unknown	25-34	331	9	6	11	12	3	37	57	65	58
	Subtotal	25-34	1,356	1,254	953	975	879	820	685	698	764	750
	Helmet used	35-44	159	159	146	143	150	106	105	131	133	168
	Helmet not used	35-44	398	548	508	537	520	459	455	444	472	508
	Helmet use unknown	35-44	143	1	14	8	5	2	30	42	80	47
	Subtotal	35-44	700	708	668	688	675	567	590	617	685	723
	Helmet used	45-54	94	103	101	100	108	87	91	104	112	144
	Helmet not used	45-54	92	163	131	207	207	256	206	223	236	333
	Helmet use unknown	45-54	54	1	3	3	2	1	18	36	49	32
	Subtotal	45-54	240	267	235	310	317	344	315	363	397	509
	Helmet used	55-64	47	39	32	40	38	35	39	48	55	69
	Helmet not used	55-64	36	48	54	44	58	58	49	41	82	90
	Helmet use unknown	55-64	25	1	0	2	1	0	6	10	12	10
	Subtotal	55-64	108	88	86	86	97	93	94	99	149	169
	Helmet used	65-74	15	11	11	7	11	7	8	20	16	18
	Helmet not used	65-74	9	12	14	13	21	16	14	16	25	17
	Helmet use unknown	65-74	8	0	2	1	1	0	2	2	1	6
	Subtotal	65-74	32	23	27	21	33	23	24	38	42	41
	Helmet used	>74	1	5	4	3	6	1	3	3	1	6
	Helmet not used	>74	4	3	5	6	10	6	4	4	5	5
	Helmet use unknown	>74	2	0	0	0	1	0	1	0	0	1
	Subtotal	>74	7	8	9	9	17	7	8	7	6	12
	Helmet used	Unknown	5	3	5	0	1	1	3	3	5	8
	Helmet not used	Unknown	16	19	10	12	8	12	11	7	17	17
	Helmet use unknown	Unknown	17	1	0	0	1	0	0	5	3	0
	Subtotal	Unknown	38	23	15	12	10	13	14	15	25	25
	Helmet used	All	1,056	998	846	887	876	735	617	711	732	863
	Helmet not used	All	1,977	2,747	2,255	2,332	2,195	2,038	1,701	1,562	1,686	1,839
	Helmet use unknown	All	948	25	38	35	38	18	131	207	279	210
	Total	All	3,981	3,770	3,139	3,254	3,109	2,791	2,449	2,480	2,697	2,912

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Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 51: Motorcycle Operators Killed or Injured by Helmet Use and Age

STATE	HELMET USE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED						
Pennsylvania	Helmet used	10-15	2	1	1	0	0	0	0	0	0	1
	Helmet not used	10-15	0	0	0	0	1	0	1	0	0	0
	Subtotal	10-15	2	1	1	0	1	0	1	0	0	1
	Helmet used	16-20	8	15	7	8	4	6	11	3	7	5
	Helmet not used	16-20	6	3	0	2	1	3	2	1	7	2
	Helmet use unknown	16-20	0	7	0	0	1	3	0	0	0	0
	Subtotal	16-20	14	25	7	10	6	12	13	4	14	7
	Helmet used	21-24	13	12	13	14	15	7	9	9	7	9
	Helmet not used	21-24	3	2	3	0	3	2	2	0	1	1
	Helmet use unknown	21-24	2	3	0	4	2	4	0	1	0	2
	Subtotal	21-24	18	17	16	18	20	13	11	10	8	12
	Helmet used	25-34	21	24	16	23	30	16	21	24	22	18
	Helmet not used	25-34	5	4	4	8	4	4	6	5	5	3
	Helmet use unknown	25-34	9	6	4	4	7	1	4	5	3	8
	Subtotal	25-34	35	34	24	35	41	21	31	34	30	29
	Helmet used	35-44	10	9	14	17	14	12	15	19	25	22
	Helmet not used	35-44	5	3	6	2	1	1	1	1	2	5
	Helmet use unknown	35-44	3	1	1	3	2	4	0	1	3	6
	Subtotal	35-44	18	13	21	22	17	17	16	21	30	33
	Helmet used	45-54	2	3	3	6	8	7	9	11	12	11
	Helmet not used	45-54	1	0	2	1	2	0	1	0	1	2
	Helmet use unknown	45-54	0	1	2	3	2	2	2	1	2	3
	Subtotal	45-54	3	4	7	10	12	9	12	12	15	16
	Helmet used	55-64	5	1	3	0	1	1	3	1	3	4
	Helmet not used	55-64	1	0	0	1	1	1	0	0	0	0
	Helmet use unknown	55-64	0	0	0	0	0	0	0	1	0	0
	Subtotal	55-64	6	1	3	1	2	2	3	2	3	4
	Helmet used	65-74	0	0	2	1	2	2	3	0	0	1
	Helmet not used	65-74	0	0	0	0	0	0	0	0	0	0
	Helmet use unknown	65-74	1	0	0	0	0	0	0	0	0	0
	Subtotal	65-74	1	0	2	1	2	2	3	0	0	1
	Helmet used	>74	0	0	0	0	0	0	0	0	0	0
	Helmet not used	>74	0	0	0	0	1	0	0	0	0	0
	Subtotal	>74	0	0	0	0	1	0	0	0	0	0
	Helmet used	All	61	65	59	69	74	51	71	67	76	71
	Helmet not used	All	21	12	15	14	14	11	13	7	16	13
	Helmet use unknown	All	15	18	7	14	14	14	6	9	8	19
	Total	All	97	95	81	97	102	76	90	83	100	103

Rows listed as "Unknown" are only included where necessary. Operators age 0-9 are included in the "Unknown" category.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 51: Motorcycle Operators Killed or Injured by Helmet Use and Age

STATE	HELMET USE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURED						
Pennsylvania	Helmet used	10-15	30	28	25	12	19	17	14	18	10	12
	Helmet not used	10-15	25	27	26	26	28	16	20	21	13	12
	Helmet use unknown	10-15	11	3	7	5	7	5	3	6	7	2
	Subtotal	10-15	66	58	58	43	54	38	37	45	30	26
	Helmet used	16-20	299	253	227	218	198	176	154	119	140	141
	Helmet not used	16-20	177	183	93	99	88	74	58	63	57	66
	Helmet use unknown	16-20	129	59	59	51	51	32	37	45	46	42
	Subtotal	16-20	605	495	379	368	337	282	249	227	243	249
	Helmet used	21-24	331	344	248	261	239	255	169	172	171	182
	Helmet not used	21-24	162	198	74	77	67	49	59	35	58	67
	Helmet use unknown	21-24	117	64	67	57	55	70	48	50	56	74
	Subtotal	21-24	610	606	389	395	361	374	276	257	285	323
	Helmet used	25-34	521	584	484	522	460	459	392	423	395	409
	Helmet not used	25-34	259	288	124	126	132	116	112	101	129	109
	Helmet use unknown	25-34	183	108	145	110	124	101	107	120	119	130
	Subtotal	25-34	963	980	753	758	716	676	611	644	643	648
	Helmet used	35-44	289	311	336	371	338	395	339	366	409	393
	Helmet not used	35-44	93	156	75	90	75	56	60	72	83	85
	Helmet use unknown	35-44	94	50	69	70	63	53	61	76	86	81
	Subtotal	35-44	476	517	480	531	476	504	460	514	578	559
	Helmet used	45-54	98	117	116	147	151	197	215	215	285	265
	Helmet not used	45-54	38	61	32	38	21	25	40	38	43	59
	Helmet use unknown	45-54	39	23	22	38	29	24	28	45	43	72
	Subtotal	45-54	175	201	170	223	201	246	283	298	371	396
	Helmet used	55-64	35	47	48	56	70	55	58	67	89	74
	Helmet not used	55-64	11	17	12	8	8	14	12	11	25	15
	Helmet use unknown	55-64	7	9	5	7	6	10	11	12	21	13
	Subtotal	55-64	53	73	65	71	84	79	81	90	135	102
	Helmet used	65-74	13	14	19	24	15	17	19	31	19	29
	Helmet not used	65-74	5	8	4	10	10	2	4	6	7	4
	Helmet use unknown	65-74	5	5	4	4	2	0	2	2	4	8
	Subtotal	65-74	23	27	27	38	27	19	25	39	30	41
	Helmet used	>74	3	3	2	3	3	4	5	3	2	6
	Helmet not used	>74	2	1	1	2	1	0	2	1	3	2
	Helmet use unknown	>74	2	0	0	0	2	2	0	4	1	0
	Subtotal	>74	7	4	3	5	6	6	7	8	6	8
	Helmet used	Unknown	18	14	8	4	12	5	4	12	7	10
	Helmet not used	Unknown	15	18	6	10	10	6	5	8	11	2
	Helmet use unknown	Unknown	25	14	14	17	16	9	13	12	10	8
	Subtotal	Unknown	58	46	28	31	38	20	22	32	28	20
	Helmet used	All	1,637	1,715	1,513	1,618	1,505	1,580	1,369	1,426	1,527	1,521
	Helmet not used	All	787	957	447	486	440	358	372	356	429	421
	Helmet use unknown	All	612	335	392	359	355	306	310	372	393	430
	Total	All	3,036	3,007	2,352	2,463	2,300	2,244	2,051	2,154	2,349	2,372

Rows listed as "Unknown" are only included where necessary. Operators age 0-9 are included in the "Unknown" category.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 51: Motorcycle Operators Killed or Injured by Helmet Use and Age

STATE	HELMET USE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED						
Texas	Helmet used	10-15	1	2	0	0	0	0	0	2	1	0
	Helmet not used	10-15	1	3	1	0	1	2	0	0	0	0
	Subtotal	10-15	2	5	1	0	1	2	0	2	1	0
	Helmet used	16-20	25	13	12	5	8	4	7	3	6	5
	Helmet not used	16-20	7	4	4	3	1	2	1	2	4	7
	Helmet use unknown	16-20	0	1	0	0	2	0	0	1	1	1
	Subtotal	16-20	32	18	16	8	11	6	8	6	11	13
	Helmet used	21-24	26	22	19	27	18	21	10	10	17	8
	Helmet not used	21-24	8	6	6	4	4	1	2	2	7	10
	Helmet use unknown	21-24	1	0	1	0	0	1	1	1	2	1
	Subtotal	21-24	35	28	26	31	22	23	13	13	26	19
	Helmet used	25-34	50	34	32	41	29	36	32	22	7	22
	Helmet not used	25-34	13	10	10	5	4	3	4	10	19	31
	Helmet use unknown	25-34	0	0	0	3	2	0	0	2	2	1
	Subtotal	25-34	63	44	42	49	35	39	36	34	28	54
	Helmet used	35-44	19	12	21	29	23	22	23	18	8	10
	Helmet not used	35-44	7	0	5	7	2	1	2	10	27	31
	Helmet use unknown	35-44	2	0	0	1	0	0	0	2	5	1
	Subtotal	35-44	28	12	26	37	25	23	25	30	40	42
	Helmet used	45-54	10	6	8	12	7	13	18	8	6	10
	Helmet not used	45-54	1	2	1	0	2	2	0	2	12	20
	Helmet use unknown	45-54	0	0	0	0	1	0	0	3	1	0
	Subtotal	45-54	11	8	9	12	10	15	18	13	19	30
	Helmet used	55-64	3	1	3	4	6	4	2	3	7	2
	Helmet not used	55-64	0	0	0	1	0	2	0	2	1	6
	Helmet use unknown	55-64	0	0	0	0	0	0	0	0	1	2
	Subtotal	55-64	3	1	3	5	6	6	2	5	9	10
	Helmet used	65-74	0	1	0	0	1	1	2	6	1	2
	Helmet not used	65-74	0	0	0	0	0	0	0	0	0	0
	Subtotal	65-74	0	1	0	0	1	1	2	6	1	2
	Helmet used	>74	1	0	0	0	1	1	1	1	0	0
	Helmet not used	>74	0	1	0	0	0	0	0	0	1	0
	Subtotal	>74	1	1	0	0	1	1	1	1	1	0
	Helmet used	Unknown	1	0	0	0	0	0	0	0	0	0
	Helmet not used	Unknown	0	0	0	0	0	0	0	2	0	0
	Subtotal	Unknown	1	0	0	0	0	0	0	2	0	0
	Helmet used	All	136	91	95	118	93	102	95	73	53	59
	Helmet not used	All	37	26	27	20	14	13	9	30	71	105
	Helmet use unknown	All	3	1	1	4	5	1	1	9	12	6
	Total	All	176	118	123	142	112	116	105	112	136	170

Rows listed as "Unknown" are only included where necessary. Operators age 0-9 are included in the "Unknown" category.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 51: Motorcycle Operators Killed or Injured by Helmet Use and Age

STATE	HELMET USE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURED						
Texas	Helmet used	10-15	64	56	51	36	35	32	27	10	19	23
	Helmet not used	10-15	56	61	48	52	43	35	37	22	40	32
	Helmet use unknown	10-15	14	18	15	14	11	5	11	5	6	8
	Subtotal	10-15	134	135	114	102	89	72	75	37	65	63
	Helmet used	16-20	841	714	569	443	371	342	306	246	237	216
	Helmet not used	16-20	117	123	77	69	60	55	42	63	124	136
	Helmet use unknown	16-20	61	30	33	44	42	46	22	41	21	38
	Subtotal	16-20	1,019	867	679	556	473	443	370	350	382	390
	Helmet used	21-24	977	786	778	664	541	509	432	331	254	231
	Helmet not used	21-24	97	69	60	45	48	50	43	62	167	203
	Helmet use unknown	21-24	53	44	29	40	60	61	30	41	44	66
	Subtotal	21-24	1,127	899	867	749	649	620	505	434	465	500
	Helmet used	25-34	1,507	1,265	1,129	985	884	834	883	686	489	490
	Helmet not used	25-34	133	86	77	67	72	81	82	112	365	449
	Helmet use unknown	25-34	78	76	54	70	101	97	75	97	71	90
	Subtotal	25-34	1,718	1,427	1,260	1,122	1,057	1,012	1,040	895	925	1,029
	Helmet used	35-44	704	653	611	576	575	604	621	502	354	370
	Helmet not used	35-44	44	29	33	38	43	37	51	123	360	479
	Helmet use unknown	35-44	23	31	32	40	74	57	39	100	66	90
	Subtotal	35-44	771	713	676	654	692	698	711	725	780	939
	Helmet used	45-54	194	191	235	229	252	261	360	278	250	264
	Helmet not used	45-54	12	11	13	8	12	16	11	55	192	265
	Helmet use unknown	45-54	10	7	17	13	23	32	27	48	41	57
	Subtotal	45-54	216	209	265	250	287	309	398	381	483	586
	Helmet used	55-64	56	69	79	64	64	72	94	82	86	77
	Helmet not used	55-64	3	5	2	3	4	7	1	12	43	63
	Helmet use unknown	55-64	6	3	2	6	9	10	11	19	12	15
	Subtotal	55-64	65	77	83	73	77	89	106	113	141	155
	Helmet used	65-74	33	25	27	21	20	22	46	35	27	17
	Helmet not used	65-74	1	6	2	2	3	2	1	3	5	10
	Helmet use unknown	65-74	1	1	1	1	3	5	3	6	5	5
	Subtotal	65-74	35	32	30	24	26	29	50	44	37	32
	Helmet used	>74	4	4	4	5	7	5	3	3	6	3
	Helmet not used	>74	0	1	0	0	0	1	0	2	2	4
	Helmet use unknown	>74	0	0	1	1	0	0	0	2	0	3
	Subtotal	>74	4	5	5	6	7	6	3	7	8	10
	Helmet used	Unknown	13	19	9	12	13	16	10	6	6	2
	Helmet not used	Unknown	4	5	8	3	3	5	3	3	8	5
	Helmet use unknown	Unknown	7	4	5	1	2	7	3	5	5	4
	Subtotal	Unknown	24	28	22	16	18	28	16	14	19	11
	Helmet used	All	4,393	3,782	3,492	3,035	2,762	2,697	2,782	2,179	1,728	1,693
	Helmet not used	All	467	396	320	287	288	289	271	457	1,306	1,646
	Helmet use unknown	All	253	214	189	230	325	320	221	364	271	376
	Total	All	5,113	4,392	4,001	3,552	3,375	3,306	3,274	3,000	3,305	3,715

Rows listed as "Unknown" are only included where necessary. Operators age 0-9 are included in the "Unknown" category.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 51: Motorcycle Operators Killed or Injured by Helmet Use and Age

STATE	HELMET USE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED						
Utah	Helmet used	10-15	0	0	0	0	0	0	0	0	0	0
	Helmet not used	10-15	0	0	0	0	0	0	0	0	0	0
	Helmet use unknown	10-15	1	2	0	1	1	0	1	0	0	0
	Subtotal	10-15	1	2	0	1	1	0	1	0	0	0
	Helmet used	16-20	3	1	0	1	1	0	0	0	1	0
	Helmet not used	16-20	0	0	0	0	0	0	1	0	0	0
	Helmet use unknown	16-20	2	3	1	1	3	2	2	2	2	2
	Subtotal	16-20	5	4	1	2	4	2	3	2	3	2
	Helmet used	21-24	0	3	0	0	1	0	1	0	1	0
	Helmet not used	21-24	0	0	0	0	0	0	0	1	0	0
	Helmet use unknown	21-24	2	4	0	4	4	2	1	1	0	0
	Subtotal	21-24	2	7	0	4	5	2	2	2	1	0
	Helmet used	25-34	1	2	2	0	1	0	3	1	0	1
	Helmet not used	25-34	0	0	0	0	0	0	0	0	0	0
	Helmet use unknown	25-34	5	2	5	1	2	5	7	4	2	4
	Subtotal	25-34	6	4	7	1	3	5	10	5	2	5
	Helmet used	35-44	0	0	1	0	1	0	1	1	1	1
	Helmet not used	35-44	1	0	0	0	0	0	0	0	0	0
	Helmet use unknown	35-44	3	3	1	1	4	1	2	2	3	5
	Subtotal	35-44	4	3	2	1	5	1	3	3	4	6
	Helmet used	45-54	0	1	1	0	1	0	0	3	1	2
	Helmet not used	45-54	0	0	0	0	0	0	0	0	0	0
	Helmet use unknown	45-54	0	0	1	2	2	0	1	2	2	4
	Subtotal	45-54	0	1	2	2	3	0	1	5	3	6
	Helmet used	55-64	0	0	0	0	0	0	0	0	0	0
	Helmet not used	55-64	0	0	0	1	0	0	0	0	0	0
	Helmet use unknown	55-64	0	0	1	0	0	1	0	0	0	0
	Subtotal	55-64	0	0	1	1	0	1	0	0	0	0
	Helmet used	65-74	0	0	0	0	0	0	0	0	0	0
	Helmet not used	65-74	1	0	0	0	0	0	0	0	0	0
	Helmet use unknown	65-74	0	0	2	0	0	0	0	0	0	0
	Subtotal	65-74	1	0	2	0	0	0	0	0	0	0
	Helmet used	>74	0	0	0	0	0	0	0	0	0	0
	Helmet not used	>74	0	0	0	0	0	0	0	0	0	0
	Helmet use unknown	>74	0	0	0	0	0	0	0	0	0	1
	Subtotal	>74	0	0	0	0	0	0	0	0	0	1
	Helmet use unknown	Unknown	0	0	0	1	0	0	0	0	0	0
	Subtotal	Unknown	0	0	0	1	0	0	0	0	0	0
	Helmet used	All	4	7	4	1	5	0	5	5	4	4
	Helmet not used	All	2	0	0	1	0	0	1	1	0	0
	Helmet use unknown	All	13	14	11	11	16	11	14	11	9	16
	Total	All	19	21	15	13	21	11	20	17	13	20

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Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 51: Motorcycle Operators Killed or Injured by Helmet Use and Age

STATE	HELMET USE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURED						
Utah	Helmet used	10-15	8	1	6	0	9	7	4	6	5	4
	Helmet not used	10-15	0	0	0	4	0	0	0	0	0	0
	Helmet use unknown	10-15	18	17	38	36	21	19	16	14	10	8
	Subtotal	10-15	26	18	44	40	30	26	20	20	15	12
	Helmet used	16-20	47	50	57	2	30	27	32	36	34	35
	Helmet not used	16-20	3	3	6	7	7	1	2	1	1	4
	Helmet use unknown	16-20	153	145	176	155	139	109	123	112	80	93
	Subtotal	16-20	203	198	239	164	176	137	157	149	115	132
	Helmet used	21-24	30	47	35	9	18	23	28	20	27	27
	Helmet not used	21-24	4	6	6	5	6	3	4	5	2	4
	Helmet use unknown	21-24	128	92	120	129	111	105	70	69	65	79
	Subtotal	21-24	162	145	161	143	135	131	102	94	94	110
	Helmet used	25-34	49	35	45	1	25	28	31	34	31	46
	Helmet not used	25-34	8	4	5	8	5	3	3	5	6	2
	Helmet use unknown	25-34	148	103	121	118	103	101	117	79	70	78
	Subtotal	25-34	205	142	171	127	133	132	151	118	107	126
	Helmet used	35-44	24	23	30	3	14	10	16	21	17	31
	Helmet not used	35-44	1	3	3	5	8	1	7	5	3	1
	Helmet use unknown	35-44	74	47	55	67	67	66	66	64	57	61
	Subtotal	35-44	99	73	88	75	89	77	89	90	77	93
	Helmet used	45-54	15	11	14	2	9	12	20	14	17	19
	Helmet not used	45-54	0	1	1	3	3	3	4	2	2	4
	Helmet use unknown	45-54	12	18	28	40	16	37	40	44	44	47
	Subtotal	45-54	27	30	43	45	28	52	64	60	63	70
	Helmet used	55-64	8	7	6	0	4	4	7	5	6	21
	Helmet not used	55-64	0	0	1	1	2	0	0	1	3	0
	Helmet use unknown	55-64	8	7	5	9	6	10	6	6	13	15
	Subtotal	55-64	16	14	12	10	12	14	13	12	22	36
	Helmet used	65-74	1	2	0	0	4	0	1	5	1	4
	Helmet not used	65-74	0	0	0	0	0	0	0	0	0	0
	Helmet use unknown	65-74	2	2	5	4	2	2	1	7	2	7
	Subtotal	65-74	3	4	5	4	6	2	2	12	3	11
	Helmet used	>74	0	0	0	0	1	0	0	0	0	0
	Helmet not used	>74	0	0	0	0	0	0	0	1	0	0
	Helmet use unknown	>74	1	2	0	1	1	4	0	0	1	0
	Subtotal	>74	1	2	0	1	2	4	0	1	1	0
	Helmet used	Unknown	1	0	0	0	1	2	1	1	1	1
	Helmet use unknown	Unknown	2	1	2	1	5	2	3	11	2	7
	Subtotal	Unknown	3	1	2	1	6	4	4	12	3	8
	Helmet used	All	183	176	193	17	115	113	140	142	139	188
	Helmet not used	All	16	17	22	33	31	11	20	20	17	15
	Helmet use unknown	All	546	434	550	560	471	455	442	406	344	395
	Total	All	745	627	765	610	617	579	602	568	500	598

Rows listed as "Unknown" are only included where necessary. Operators age 0-9 are included in the "Unknown" category.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Table 51: Motorcycle Operators Killed or Injured by Helmet Use and Age

STATE	HELMET USE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						KILLED						
Washington	Helmet used	10-15	0	0	1	1	0	0	1	*	*	*
	Helmet not used	10-15	0	0	1	1	1	0	2	*	*	*
	Subtotal	10-15	0	0	2	2	1	0	3	*	*	*
	Helmet used	16-20	7	3	4	3	2	2	1	*	*	*
	Helmet not used	16-20	1	1	0	2	0	1	0	*	*	*
	Subtotal	16-20	8	4	4	5	2	3	1	*	*	*
	Helmet used	21-24	8	6	12	3	6	4	7	*	*	*
	Helmet not used	21-24	2	0	0	0	1	0	1	*	*	*
	Helmet use unknown	21-24	0	1	0	0	0	0	0	*	*	*
	Subtotal	21-24	10	7	12	3	7	4	8	*	*	*
	Helmet used	25-34	12	12	12	5	10	9	11	*	*	*
	Helmet not used	25-34	6	0	0	2	2	1	2	*	*	*
	Subtotal	25-34	18	12	12	7	12	10	13	*	*	*
	Helmet used	35-44	9	7	5	11	3	10	4	*	*	*
	Helmet not used	35-44	4	2	0	3	1	0	0	*	*	*
	Subtotal	35-44	13	9	5	14	4	10	4	*	*	*
	Helmet used	45-54	4	2	4	2	4	5	6	*	*	*
	Helmet not used	45-54	1	0	1	1	0	2	0	*	*	*
	Helmet use unknown	45-54	0	0	0	0	1	0	0	*	*	*
	Subtotal	45-54	5	2	5	3	5	7	6	*	*	*
	Helmet used	55-64	1	1	1	1	0	1	1	*	*	*
	Helmet not used	55-64	0	0	0	1	0	0	0	*	*	*
	Subtotal	55-64	1	1	1	2	0	1	1	*	*	*
	Helmet used	65-74	0	0	0	0	0	0	0	*	*	*
	Helmet not used	65-74	0	0	1	0	0	0	0	*	*	*
	Helmet use unknown	65-74	0	0	0	0	0	0	1	*	*	*
	Subtotal	65-74	0	0	1	0	0	0	1	*	*	*
	Helmet used	>74	0	0	0	0	1	0	0	*	*	*
	Helmet not used	>74	0	0	0	0	0	0	0	*	*	*
	Subtotal	>74	0	0	0	0	1	0	0	*	*	*
	Helmet not used	Unknown	1	0	0	0	0	0	0	*	*	*
	Subtotal	Unknown	1	0	0	0	0	0	0	*	*	*
	Helmet used	All	41	31	39	26	26	31	31	*	*	*
	Helmet not used	All	15	3	3	10	5	4	5	*	*	*
	Helmet use unknown	All	0	1	0	0	1	0	1	*	*	*
	Total	All	56	35	42	36	32	35	37	*	*	*

**Data not available.*

Rows listed as "Unknown" are only included where necessary. Operators age 0-9 are included in the "Unknown" category.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

Virginia is not included in this table because it does not report motorcycle helmet information.

Table 51: Motorcycle Operators Killed or Injured by Helmet Use and Age

STATE	HELMET USE	AGE	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
						INJURED						
Washington	Helmet used	10-15	20	28	25	16	20	21	22	*	*	*
	Helmet not used	10-15	14	15	20	13	8	12	5	*	*	*
	Helmet use unknown	10-15	5	0	2	1	6	2	2	*	*	*
	Subtotal	10-15	39	43	47	30	34	35	29	*	*	*
	Helmet used	16-20	280	233	242	199	157	150	102	*	*	*
	Helmet not used	16-20	86	42	25	17	17	30	13	*	*	*
	Helmet use unknown	16-20	31	20	14	28	4	14	17	*	*	*
	Subtotal	16-20	397	295	281	244	178	194	132	*	*	*
	Helmet used	21-24	268	304	291	215	208	185	149	*	*	*
	Helmet not used	21-24	50	15	17	11	13	18	8	*	*	*
	Helmet use unknown	21-24	26	25	27	17	12	18	21	*	*	*
	Subtotal	21-24	344	344	335	243	233	221	178	*	*	*
	Helmet used	25-34	428	442	461	368	362	346	307	*	*	*
	Helmet not used	25-34	111	35	29	22	27	19	21	*	*	*
	Helmet use unknown	25-34	61	40	37	36	32	48	27	*	*	*
	Subtotal	25-34	600	517	527	426	421	413	355	*	*	*
	Helmet used	35-44	229	286	314	274	292	309	254	*	*	*
	Helmet not used	35-44	53	18	12	11	15	16	11	*	*	*
	Helmet use unknown	35-44	21	36	33	33	28	29	18	*	*	*
	Subtotal	35-44	303	340	359	318	335	354	283	*	*	*
	Helmet used	45-54	91	135	115	140	152	164	167	*	*	*
	Helmet not used	45-54	24	4	4	6	13	16	6	*	*	*
	Helmet use unknown	45-54	9	8	10	7	11	20	18	*	*	*
	Subtotal	45-54	124	147	129	153	176	200	191	*	*	*
	Helmet used	55-64	29	43	40	36	47	57	49	*	*	*
	Helmet not used	55-64	5	3	1	2	2	3	2	*	*	*
	Helmet use unknown	55-64	2	5	4	6	2	8	1	*	*	*
	Subtotal	55-64	36	51	45	44	51	68	52	*	*	*
	Helmet used	65-74	12	8	12	10	13	14	12	*	*	*
	Helmet not used	65-74	1	1	0	0	1	0	0	*	*	*
	Helmet use unknown	65-74	1	0	1	1	4	0	1	*	*	*
	Subtotal	65-74	14	9	13	11	18	14	13	*	*	*
	Helmet used	>74	3	2	6	3	6	1	5	*	*	*
	Helmet not used	>74	0	0	0	1	0	0	0	*	*	*
	Helmet use unknown	>74	1	0	1	0	0	0	0	*	*	*
	Subtotal	>74	4	2	7	4	6	1	5	*	*	*
	Helmet used	Unknown	24	28	14	26	19	10	22	*	*	*
	Helmet not used	Unknown	1	7	2	1	3	2	3	*	*	*
	Helmet use unknown	Unknown	14	13	18	9	14	8	8	*	*	*
	Subtotal	Unknown	39	48	34	36	36	20	33	*	*	*
	Helmet used	All	1,384	1,509	1,520	1,287	1,276	1,257	1,089	*	*	*
	Helmet not used	All	345	140	110	84	99	116	69	*	*	*
	Helmet use unknown	All	171	147	147	138	113	147	113	*	*	*
	Total	All	1,900	1,796	1,777	1,509	1,488	1,520	1,271	*	*	*

Rows listed as "Unknown" are only included where necessary. Operators age 0-9 are included in the "Unknown" category.

Refer to File Characteristics—beginning on page 7 in the Data File Structure—for general and state-specific data notes.

State Years and VIN Available for Analysis

State	Year 1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
California	○	○	○	○	○	○	○	○	○	○
Florida	●	●	●	●	●	●	●	●	●	●
Georgia	○	○	○	○	○	○	○	○	●	N/A
Illinois	●	●	●	●	●	●	●	●	●	●
Indiana	○	○	○	○	○	○	○	○	○	○
Kansas	○	○	○	○	○	○	○	●	●	●
Maryland	●	●	●	●	●	●	●	●	●	●
Michigan	●	●	○	○	○	○	○	○	○	○
Missouri	●	●	●	●	●	●	●	●	●	●
New Mexico	●	●	●	●	●	●	●	●	●	●
North Carolina	N/A	N/A	●	●	●	●	●	●	●	●
Ohio	●	●	●	●	●	●	●	●	●	●
Pennsylvania	●	●	●	●	●	●	●	●	●	●
Texas	○	○	○	○	○	○	○	○	○	○
Utah	●	●	●	●	●	●	●	●	●	●
Virginia	○	○	○	○	○	○	○	○	○	○
Washington	○	○	○	○	○	○	○	N/A	N/A	N/A

○ = Data available without VIN.
● = Data available with VIN.
N/A = Data not available.

State Crash Inclusion Criteria

State	Minimum Assessed Property Damage	At Least One Vehicle Towed
California	$500	
Florida	Officer Discretion	
Georgia	$500 since 1995, $250 before	
Illinois	$500 since 1992, $250 before	
Indiana	$750	
Kansas	$500	
Maryland		✓
Michigan	$400 since 1995, $200 before	
Missouri	$500	
New Mexico	$500	
North Carolina	$500 1990-1995, $1,000 since 1996	
Ohio	$400	
Pennsylvania		✓
Texas	$500 since 1995, $250 before	
Utah	$400 1990-1991, $750 1992-1995, $1,000 since 1996	
Virginia	$1,000	
Washington	$500	

All crashes in which at least one person is killed or injured — regardless of assessed property damage or whether towing occurs — are included in the State Data System files.

State Reporting Policies for Uninjured Occupants[1]

State	Driver	Passenger
California	Y	Y
Florida	Y	Y
Georgia	Y	N (1990-1993) Y (1994-1998)
Illinois	Y	N (1990-1991)[2] Y (1992-1999)
Indiana	Y	N
Kansas	Y	Y
Maryland	Y	Y
Michigan	Y	Y (1990-1991) N (1992-1999)
Missouri	Y	N
New Mexico	Y	Y
North Carolina	Y	Y
Ohio	Y	Y
Pennsylvania	Y	Y
Texas	Y	Y (1990-1997)[3] N (1998-1999)
Utah	Y	Y
Virginia	Y	N
Washington	Y	Y

[1] A very small percentage of uninjured passengers may be present in state years in which this information is generally not coded. This can be attributed to data entry error as well as to the discretionary reporting habits of police officers. This is most apparent during transition years when state reporting criteria change.

[2] Uninjured passengers are marginally coded in 1990-1991 (approximately 2-3% of all persons).

[3] For 1997, uninjured passengers comprise approximately 10% of the persons reported, compared to approximately 25% in the years 1990-1996.

SAS Methodology

Introduction

The following describes the methodology used to generate the data in this report. While this methodology is by necessity abbreviated, it should give a researcher reasonably familiar with SAS software enough information to duplicate the numbers herein. The section "Supplemental Information" should be consulted for additional technical information that is relevant to this methodology but would only serve to clutter the main presentation. Inclusion of the actual queries used to create the derived[1] variables allows a researcher to assess their effectiveness in summarizing the data elements in question. In certain instances the construction of a given query has a subjective nature since different researchers may interpret state codes differently. This effect is compounded if several primary variables are used to determine a specific derived variable. Every effort was made to determine logical and appropriate queries for the data elements. Reports from the individual states were consulted to determine the most appropriate query for a given derived variable. However, there is a wide variance in the particular information reported by each state, so a query used herein for a given state may not be entirely supported by the state's published reports.

Conventions used in this appendix:

1. Actual SAS code is listed in SAS monospace font (size 8). Comments (SAS code that is not executed at run time) are contained within paired "/*" and "*/" symbols.[2]

2. When referencing primary variables (other than in SAS code), the variable description is in uppercase and the variable itself is given in parentheses in lowercase.

3. When referencing derived variables (other than in SAS code), the variables are in lowercase and italicized.

4. When referencing SAS reserved words (other than in SAS code), the reserved words are in uppercase and italicized.

5. When referencing pooled data set names or their subsets (other than in SAS code), the names are underlined.

[1] Derived variables are variables created from a given state's primary variables, i.e., the variables contained in the NCSA SAS data sets and created from the state-supplied raw data files. Refer to the section "Creation of Derived Variables" later in this appendix.

[2] Note that SAS allows multiple statements (separated by semicolons) to be included on the same line of text. Also, a given SAS statement can extend over multiple lines of text.

Creation of Primary Data Sets

The program methodology pools 10 years of data (1990-1999)[3] for a given state creating three pooled data sets:

1) Crash (apool)

2) Vehicle (vpool)

3) Person (ppool)

The variable *year* is created for each data set using SAS *IN=*[4] variables. The following is simplified sample code for the Missouri Crash data set illustrating the method[5].

```
/* creation of pooled crash data set */
data test.apool;[6]
 set missouri.mo90acc (in=y90) missouri.mo91acc (in=y91) missouri.mo92acc (in=y92)
     missouri.mo93acc (in=y93) missouri.mo94acc (in=y94) missouri.mo95acc (in=y95)
     missouri.mo96acc (in=y96) missouri.mo97acc (in=y97) missouri.mo98acc (in=y98)
     missouri.mo99acc;
 if y90 then year='1990';
  else if y91 then year='1991';
   else if y92 then year='1992';
    else if y93 then year='1993';
     else if y94 then year='1994';
      else if y95 then year='1995';
       else if y96 then year='1996';
        else if y97 then year='1997';
         else if y98 then year='1998';
          else year='1999';
run;
```

[3] 9 years for Georgia (1990-1998), 8 years for North Carolina (1992-1999), and 7 years for Washington (1990-1996). Researchers interested in a specific period (e.g. 1995-1998) should build the data sets as appropriate. Each state-year can be analyzed individually if desired. For example, if just California 1999 is desired, a similar methodology to that described here is still appropriate, but the %assignyr and %uniqcase macros (see "Supplemental Information") are not needed.

[4] SAS *IN=* variables are not included in the resultant data set. They essentially serve to identify the source of each observation in the pooled data set.

[5] Statements creating the derived variables, e.g., rollover, have been omitted. The *LIBNAME* "test" is an arbitrary library for data sets.

[6] When creating the Maryland Crash file, insert the following *LENGTH* statement between the *DATA* and *SET* statements: "`length severity $ 2;`". Similarly, for the Maryland Person file, use "`length inj pos sex pppo ped_loc $ 2;`". For the Michigan Person file, use "`length pos rest1 $ 2`". The *LENGTH* statements are necessary since the length of these variables varies between years.

Creation of Merged Data Sets

Three merged data sets are created using the primary data sets: Crash-Vehicle (avpool), Crash-Person (appool), and Vehicle-Person (vppool). The following sample code for the Vehicle-Person data set merge illustrates the method[7]:

```
data test.vppool;
 merge test.vpool test.ppool (in=A);
 by caseno vehno;
 if A;[8]
run;
```

One additional merged data set avp is used in certain instances[9]. It is created by merging the Crash data set apool with the vppool data set:

```
data test.avp;
 merge test.apool test.vppool;
 by caseno;
run;
```

Creation of Secondary Data Sets[10]

The three primary data sets and the four merged data sets described above are used to create various subsets of the data for the individual analyses. The diagrams contained on the following three pages detail the procedures used to subset the data. The diagrams are conceptual in nature.[11] Data sets are denoted by squares. The individual name(s) of the data set(s) are contained in parentheses within the squares. Subsetting *IF* conditions using the derived variables are listed along the arrows.[12] The following examples serve to illustrate how to create the data sets used in this report based on the diagrams.

[7] Note that the data sets must be sorted on the *BY* variables prior to merging.

[8] The line "if A" in conjunction with "(in=A)" characterizes a conditional merge. Observations from the Vehicle and Person data sets are merged only if an observation exists in the Person data set. In the example above, the statement serves to exclude any unoccupied vehicles from the Vehicle-Person data set.

[9] Used primarily in alcohol and/or speed determination where the primary variables are present in the Crash, Vehicle, and Person data sets.

[10] Creation of the secondary alcohol and speeding data sets are described in the next section.

[11] While individual SAS *DATA* steps can be used to create the data sets, appropriate use of *DO* loops and *OUTPUT* statements can reduce the processing time. Note that multiple data sets can be created in one *DATA* step. See "Supplementary Information".

[12] Refer to the section "Creation of Derived Variables" later in this appendix for specific information on each derived variable.

In the first example below, the Crash-Person data set is used to create the Driver data set consisting only of vehicle drivers[13] using the derived variable *ptype*:

```
data test.driver;
  set test.appool;
  if ptype='DR';
 run;
```

The next example creates the Passenger Car/Light Truck Single-Vehicle Rollover data set using the Crash-Vehicle data set and the derived variables *vtype*, *ctype*, and *rollover*:[14]

```
data test.roll;
  set test.avpool;
  if vtype in ('PC','ST') and ctype='S' and rollover=1;
 run;
```

The next example creates the Child Restraint data set from the Vehicle-Person data set using the variable AGE (age) and the derived variables *ptype* and v*type*:

```
data test.child;
  set test.vppool;[15]
  if ptype='PA' and vtype in ('PC','ST') and age<6;
 run;
```

The final example creates the Motorcyclists Killed and Motorcyclists Injured data sets (cyci1, cyci2) from the Vehicle Occupants data set using the derived variables *vtype* and *pinj*.

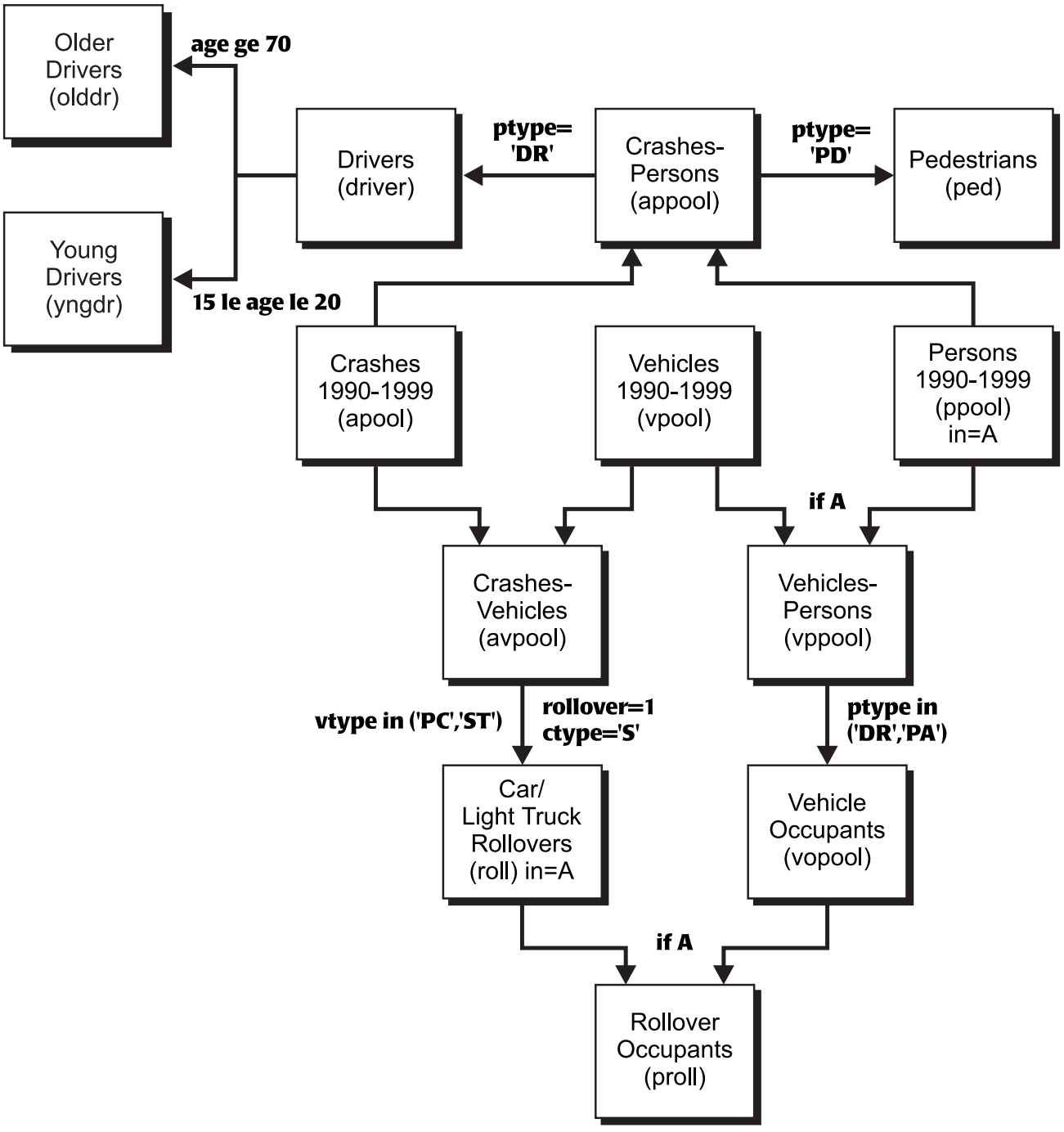
```
data test.cyci1 test.cyci2;
  set test.vopool;
  if vtype='MC' then do;
    if pinj=1 then output test.cyci1; /* killed motorcyclists */
    if pinj=2 then output test.cyci2; /* injured motorcyclists */
    end;
 run;
```

[13] Useful for determining driver involvement by crash severity.

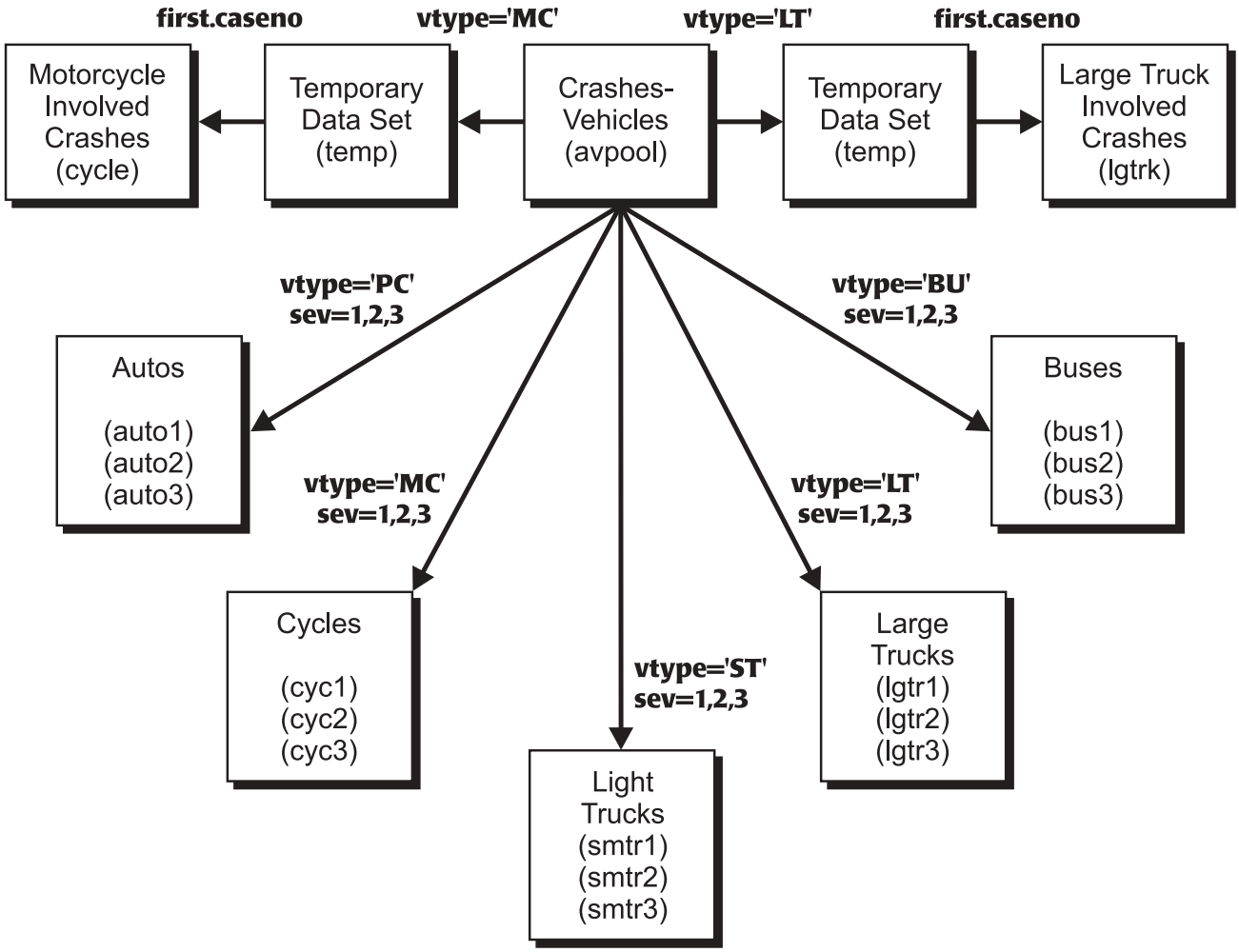
[14] Refer to the rollover query in the section "Creation of Derived Variables" for an alternate method.

[15] Either vopool or vcpool could also be used here.

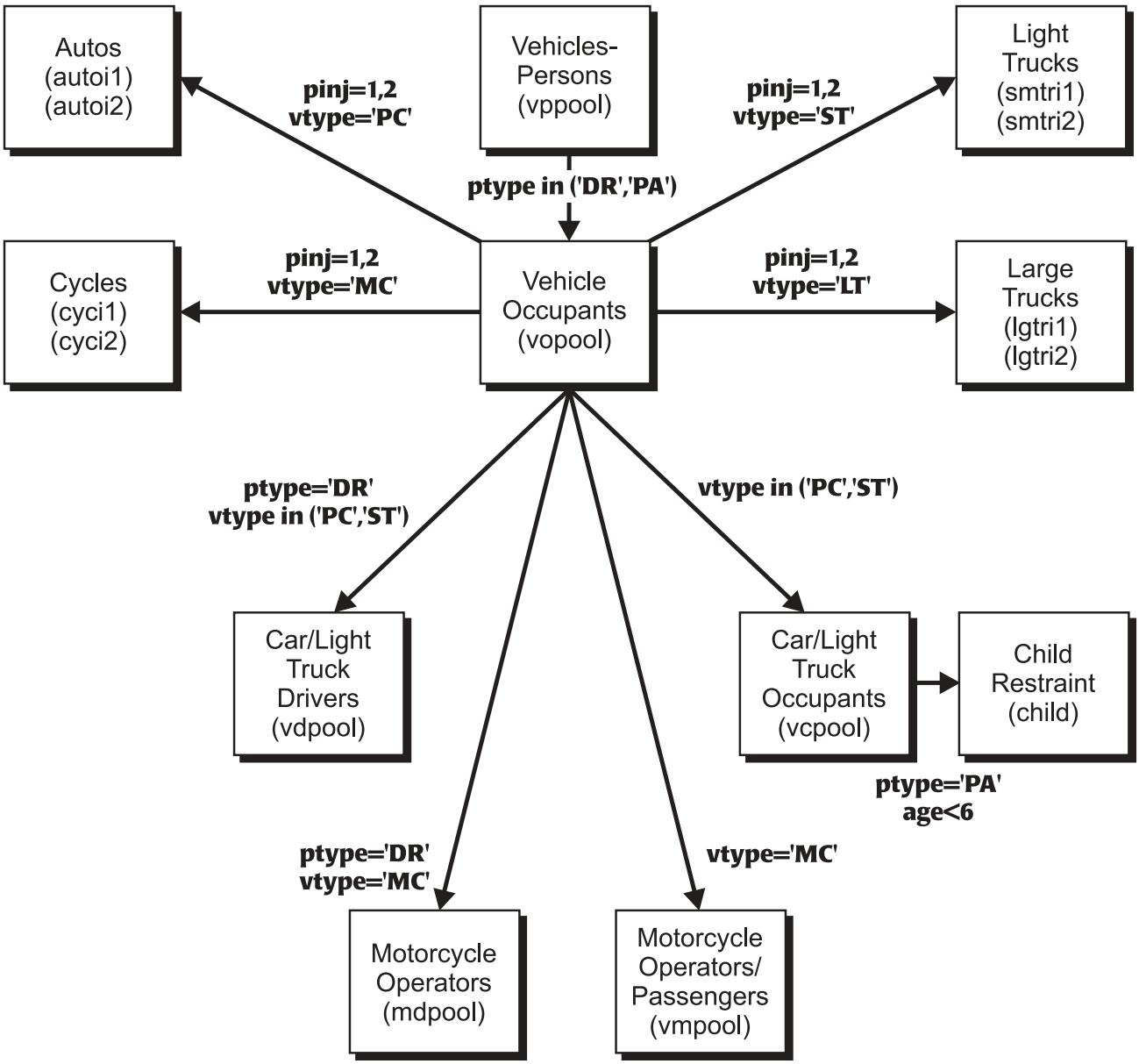
CRASH DATA SETS



VEHICLE DATA SETS



PERSON DATA SETS



Creation of Alcohol/Speeding Data Sets

Since alcohol may be contained in any or all of the primary data sets, it is generally necessary to use a merged data set for determining alcohol-involved crashes and persons. The example below assumes that alcohol information is contained in all primary data sets; hence, the data set avp is used in conjunction with the derived variables *alcohol1*, *alcohol2*, and *alcohol3*. A similar procedure can be used for speeding determinations. The diagrams contained on the next two pages graphically describe the alcohol procedure listed below and the analogous procedure for speeding determination. Note that the diagrams detail the most general case.

```
 data temp (keep=caseno);[16]
  set test.avp;[17]
  by caseno;[18]
  retain alcohol 0;[19]
  if first.caseno then do;[20]
   alcohol=0;
   flag=0;
   end;
  if (alcohol1=1 or alcohol2=1 or alcohol3=1) then flag=1;[21]
  if alcohol<flag then alcohol=flag;
  if last.caseno and alcohol=1 then output;[22]
 run;

/* creates alcohol-related crash data set */
 data test.alc;
  merge temp (in=A) test.apool;
  by caseno;
  if A;
 run;

/* creates alcohol-related person data set */
 data test.alcper;
  merge test.alc (in=A) test.vppool;[23]
  by caseno;
  if A;
 run;
```

[16] Creates a temporary data set consisting only of case numbers involving alcohol.

[17] The avp data set will always work here, although other data sets may be used in certain situations (e.g., if alcohol information is only contained in the Crash and Vehicle data sets, then avpool could be substituted here).

[18] A SAS formalism needed with the *SET* statement when using *FIRST* and *LAST* variables. *FIRST* and *LAST* variables cannot be referenced unless the data set is sorted accordingly.

[19] The *RETAIN* statement maintains a variable's value across iterations of the *DATA* step.

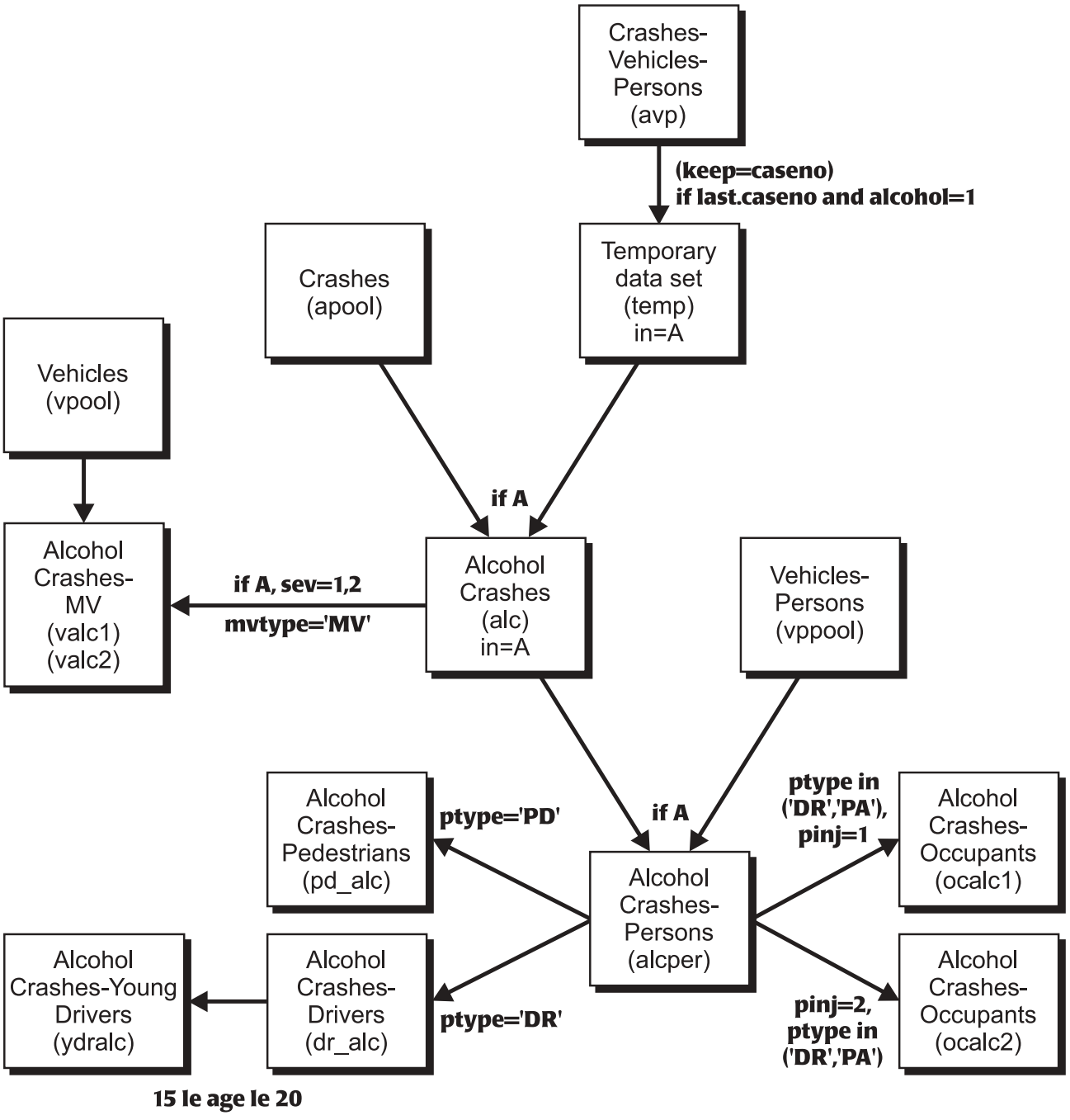
[20] Acts on the first occurrence of a given case number in the merged data set.

[21] This statement should be modified depending on the number of derived alcohol variables present for a given state (refer to the alcohol queries). For example, the statement "if alcohol1=1 then flag=1;" is used for Kansas (the ppool data set can also be substituted for avp).

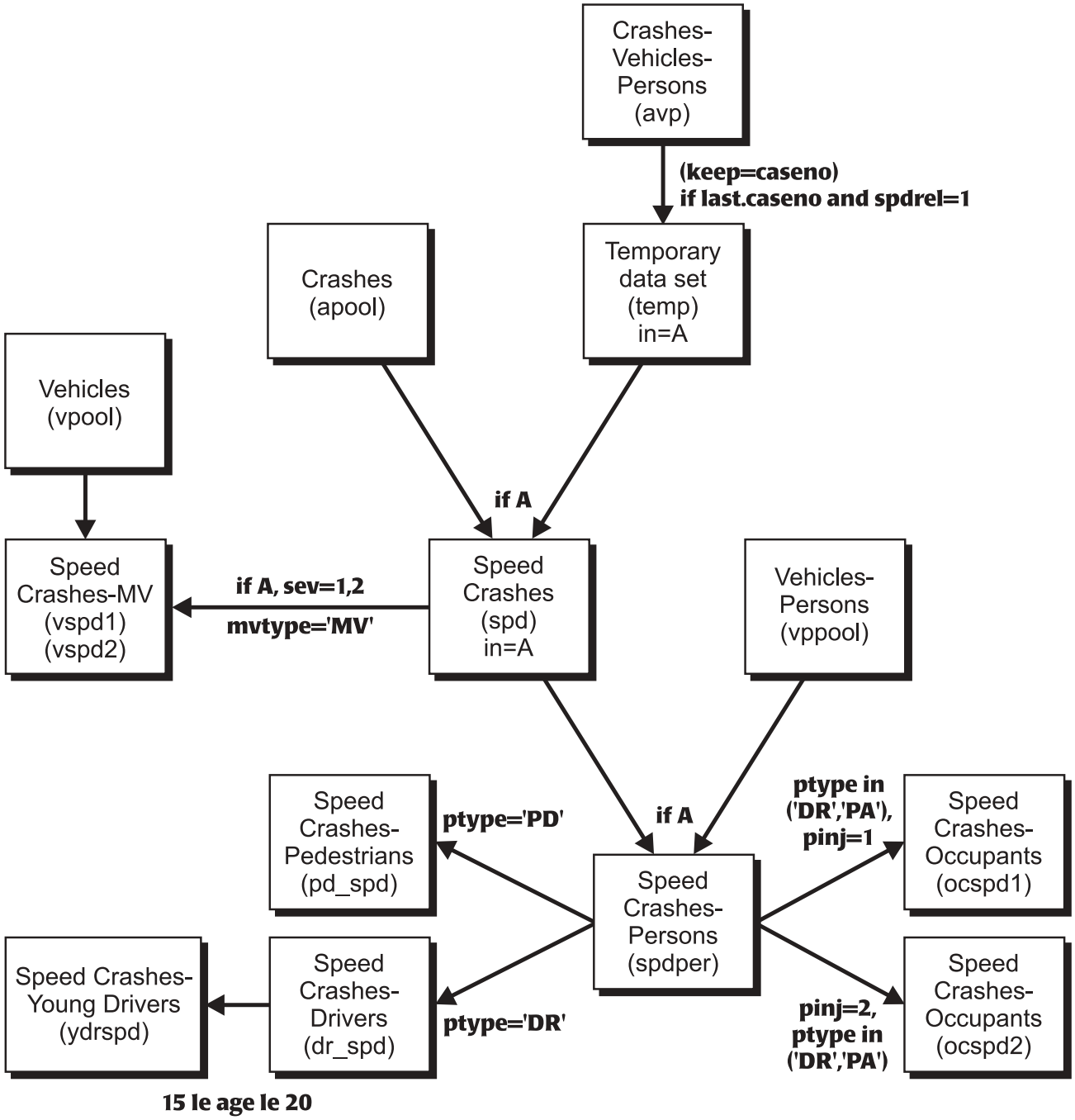
[22] Acts on the last occurrence of a given case number in the merged data set. The *OUTPUT* statement controls the creation of the temp data set. Only case numbers for cases involving alcohol are included in the temp data set.

[23] The ppool data set may be substituted for the vppool data set in those cases where the Vehicle data set is not needed to determine the derived variable *ptype* (see "Creation of Derived Variables").

ALCOHOL DATA SETS



SPEED DATA SETS



Creation Of Derived Variables

VARIABLE CATEGORY: AGE

The variable *age1* is derived from the variable AGE (age) in the Person data set. The categories age1=2 through age1=10 are identical for all states. The categories age1=1 and age1=11 are state-specific. The category age1=12 designates unknown and missing ages.

STATE	QUERY

California	`if (1 le age le 4) then age1=1;`
	`else if (5 le age le 9) then age1=2;`
	`else if (10 le age le 15) then age1=3;`
	`else if (16 le age le 20) then age1=4;`
	`else if (21 le age le 24) then age1=5;`
	`else if (25 le age le 34) then age1=6;`
	`else if (35 le age le 44) then age1=7;`
	`else if (45 le age le 54) then age1=8;`
	`else if (55 le age le 64) then age1=9;`
	`else if (65 le age le 74) then age1=10;`
	`else if (75 le age le 99) then age1=11;`
	`else age1=12;`

Florida	`if (1 le age le 4)then age1=1;`
	`else if (5 le age le 9) then age1=2;`
	`else if (10 le age le 15) then age1=3;`
	`else if (16 le age le 20) then age1=4;`
	`else if (21 le age le 24) then age1=5;`
	`else if (25 le age le 34) then age1=6;`
	`else if (35 le age le 44) then age1=7;`
	`else if (45 le age le 54) then age1=8;`
	`else if (55 le age le 64) then age1=9;`
	`else if (65 le age le 74) then age1=10;`
	`else if (75 le age le 99) then age1=11;`
	`else age1=12;`

Georgia	`if (0 le age le 4) then age1=1;`
	`else if (5 le age le 9) then age1=2;`
	`else if (10 le age le 15) then age1=3;`
	`else if (16 le age le 20) then age1=4;`
	`else if (21 le age le 24) then age1=5;`
	`else if (25 le age le 34) then age1=6;`
	`else if (35 le age le 44) then age1=7;`
	`else if (45 le age le 54) then age1=8;`
	`else if (55 le age le 64) then age1=9;`
	`else if (65 le age le 74) then age1=10;`
	`else if (75 le age le 98) then age1=11;`
	`else age1=12;`

STATE	QUERY

Illinois

```
if year in ('1990','1991','1992','1993','1994','1995') then do;
  if (1 le age le 4) then age1=1;
  else if (5 le age le 9) then age1=2;
  else if (10 le age le 15) then age1=3;
  else if (16 le age le 20) then age1=4;
  else if (21 le age le 24) then age1=5;
  else if (25 le age le 34) then age1=6;
  else if (35 le age le 44) then age1=7;
  else if (45 le age le 54) then age1=8;
  else if (55 le age le 64) then age1=9;
  else if (65 le age le 74) then age1=10;
  else if (75 le age le 99) then age1=11;
  else age1=12;
  end;
else do; /* 1996-1999 */
  if (0 le age le 4) then age1=1;
  else if (5 le age le 9) then age1=2;
  else if (10 le age le 15) then age1=3;
  else if (16 le age le 20) then age1=4;
  else if (21 le age le 24) then age1=5;
  else if (25 le age le 34) then age1=6;
  else if (35 le age le 44) then age1=7;
  else if (45 le age le 54) then age1=8;
  else if (55 le age le 64) then age1=9;
  else if (65 le age le 74) then age1=10;
  else if (75 le age le 98) then age1=11;
  else age1=12;
end;
```

Indiana

```
if (1 le age le 4) then age1=1;
else if (5 le age le 9) then age1=2;
else if (10 le age le 15) then age1=3;
else if (16 le age le 20) then age1=4;
else if (21 le age le 24) then age1=5;
else if (25 le age le 34) then age1=6;
else if (35 le age le 44) then age1=7;
else if (45 le age le 54) then age1=8;
else if (55 le age le 64) then age1=9;
else if (65 le age le 74) then age1=10;
else if (75 le age le 99) then age1=11;
else age1=12;
```

Kansas

```
if (1 le age le 4) then age1=1;
else if (5 le age le 9) then age1=2;
else if (10 le age le 15) then age1=3;
else if (16 le age le 20) then age1=4;
else if (21 le age le 24) then age1=5;
else if (25 le age le 34) then age1=6;
else if (35 le age le 44) then age1=7;
else if (45 le age le 54) then age1=8;
else if (55 le age le 64) then age1=9;
else if (65 le age le 74) then age1=10;
else if (75 le age le 99) then age1=11;
else age1=12;
```

STATE	QUERY

Maryland	`if (0 le age le 4) then age1=1;`
	`else if (5 le age le 9) then age1=2;`
	`else if (10 le age le 15) then age1=3;`
	`else if (16 le age le 20) then age1=4;`
	`else if (21 le age le 24) then age1=5;`
	`else if (25 le age le 34) then age1=6;`
	`else if (35 le age le 44) then age1=7;`
	`else if (45 le age le 54) then age1=8;`
	`else if (55 le age le 64) then age1=9;`
	`else if (65 le age le 74) then age1=10;`
	`else if (75 le age le 99) then age1=11;`
	`else age1=12;`

Michigan	`if (0 le age le 4) then age1=1;`
	`else if (5 le age le 9) then age1=2;`
	`else if (10 le age le 15) then age1=3;`
	`else if (16 le age le 20) then age1=4;`
	`else if (21 le age le 24) then age1=5;`
	`else if (25 le age le 34) then age1=6;`
	`else if (35 le age le 44) then age1=7;`
	`else if (45 le age le 54) then age1=8;`
	`else if (55 le age le 64) then age1=9;`
	`else if (65 le age le 74) then age1=10;`
	`else if (75 le age le 98) then age1=11;`
	`else if year not in (‘1990’,‘1991’) and age=99 then age1=11;`
	`else age1=12;`

Missouri	`if (0 le age le 4) then age1=1;`
	`else if (5 le age le 9) then age1=2;`
	`else if (10 le age le 15) then age1=3;`
	`else if (16 le age le 20) then age1=4;`
	`else if (21 le age le 24) then age1=5;`
	`else if (25 le age le 34) then age1=6;`
	`else if (35 le age le 44) then age1=7;`
	`else if (45 le age le 54) then age1=8;`
	`else if (55 le age le 64) then age1=9;`
	`else if (65 le age le 74) then age1=10;`
	`else if (75 le age le 98) then age1=11;`
	`else age1=12;`

New Mexico	`if (1 le age le 4) then age1=1;`
	`else if (5 le age le 9) then age1=2;`
	`else if (10 le age le 15) then age1=3;`
	`else if (16 le age le 20) then age1=4;`
	`else if (21 le age le 24) then age1=5;`
	`else if (25 le age le 34) then age1=6;`
	`else if (35 le age le 44) then age1=7;`
	`else if (45 le age le 54) then age1=8;`
	`else if (55 le age le 64) then age1=9;`
	`else if (65 le age le 74) then age1=10;`
	`else if (75 le age le 99) then age1=11;`
	`else age1=12;`

STATE	QUERY

North Carolina

```
if (0 le age le 4) then age1=1;
else if (5 le age le 9) then age1=2;
else if (10 le age le 15) then age1=3;
else if (16 le age le 20) then age1=4;
else if (21 le age le 24) then age1=5;
else if (25 le age le 34) then age1=6;
else if (35 le age le 44) then age1=7;
else if (45 le age le 54) then age1=8;
else if (55 le age le 64) then age1=9;
else if (65 le age le 74) then age1=10;
else if (75 le age le 98) then age1=11;
else age1=12;
```

Ohio

```
if (1 le age le 4) then age1=1;
else if (5 le age le 9)   then age1=2;
else if (10 le age le 15) then age1=3;
else if (16 le age le 20) then age1=4;
else if (21 le age le 24) then age1=5;
else if (25 le age le 34) then age1=6;
else if (35 le age le 44) then age1=7;
else if (45 le age le 54) then age1=8;
else if (55 le age le 64) then age1=9;
else if (65 le age le 74) then age1=10;
else if (75 le age le 99) then age1=11;
else age1=12;
```

Pennsylvania

```
if (1 le age le 4) then age1=1;
else if (5 le age le 9) then age1=2;
else if (10 le age le 15) then age1=3;
else if (16 le age le 20) then age1=4;
else if (21 le age le 24) then age1=5;
else if (25 le age le 34) then age1=6;
else if (35 le age le 44) then age1=7;
else if (45 le age le 54) then age1=8;
else if (55 le age le 64) then age1=9;
else if (65 le age le 74) then age1=10;
else if (75 le age le 98) then age1=11;
else age1=12;
```

Texas

```
if (0 le age le 4) then age1=1;
else if (5 le age le 9) then age1=2;
else if (10 le age le 15) then age1=3;
else if (16 le age le 20) then age1=4;
else if (21 le age le 24) then age1=5;
else if (25 le age le 34) then age1=6;
else if (35 le age le 44) then age1=7;
else if (45 le age le 54) then age1=8;
else if (55 le age le 64) then age1=9;
else if (65 le age le 74) then age1=10;
else if (75 le age le 98) then age1=11;
else age1=12;
```

STATE	QUERY

Utah	`if (1 le age le 4) then age1=1;`
	`else if (5 le age le 9) then age1=2;`
	`else if (10 le age le 15) then age1=3;`
	`else if (16 le age le 20) then age1=4;`
	`else if (21 le age le 24) then age1=5;`
	`else if (25 le age le 34) then age1=6;`
	`else if (35 le age le 44) then age1=7;`
	`else if (45 le age le 54) then age1=8;`
	`else if (55 le age le 64) then age1=9;`
	`else if (65 le age le 74) then age1=10;`
	`else if (75 le age le 99)then age1=11;`
	`else age1=12;`

Virginia	`if (1 le age le 4) then age1=1;`
	`else if (5 le age le 9) then age1=2;`
	`else if (10 le age le 15) then age1=3;`
	`else if (16 le age le 20) then age1=4;`
	`else if (21 le age le 24) then age1=5;`
	`else if (25 le age le 34) then age1=6;`
	`else if (35 le age le 44) then age1=7;`
	`else if (45 le age le 54) then age1=8;`
	`else if (55 le age le 64) then age1=9;`
	`else if (65 le age le 74) then age1=10;`
	`else if (75 le age le 99) then age1=11;`
	`else age1=12;`

Washington	`if (1 le age le 4) then age1=1;`
	`else if (5 le age le 9) then age1=2;`
	`else if (10 le age le 15) then age1=3;`
	`else if (16 le age le 20) then age1=4;`
	`else if (21 le age le 24) then age1=5;`
	`else if (25 le age le 34) then age1=6;`
	`else if (35 le age le 44) then age1=7;`
	`else if (45 le age le 54) then age1=8;`
	`else if (55 le age le 64) then age1=9;`
	`else if (65 le age le 74) then age1=10;`
	`else if (75 le age le 99) then age1=11;`
	`else age1=12;`

VARIABLE CATEGORY: ALCOHOL

An alcohol-related crash is defined as a crash where the driver of a motor vehicle, or a pedestrian or pedalcyclist struck by a vehicle, had a positive blood alcohol content (BAC) level[24], or in which other indicators of alcohol consumption are present. It should be noted that there is a wide variety in the type and number of alcohol-related variables coded by each state. The determination of alcohol-related crashes generally require use of the Crash, Vehicle and/or Person data sets. The queries used and the data sets for which the queries apply are listed below. For example, California alcohol determinations require using the first query with the Crash data set (apool), the second query with the Vehicle data set (vpool), and the third query with the Person data set (ppool). The individual indicator variables *alcohol1*, *alcohol2*, and *alcohol3* are combined using the method described earlier in this appendix (see "Creation of Alcohol/Speeding Data Sets"). Note that the variable ALCOHOL TEST RESULTS (tst_res1), which gives the actual BAC level of the person involved, is not present in all state data sets; also, a given state may use certain numeric codes for other purposes, e.g., a '.99' code might indicate an unknown BAC level.

STATE	QUERY

California	(1) if cause1 in ('01','23') then alcohol1=1;
	  else alcohol1=0; /* apool */
	(2) if ((year in ('1990','1991') and violatn='20') or
	(year in ('1992','1993','1994','1995','1996','1997','1998','1999')
	and contfac1='20')) then alcohol2=1; else alcohol2=0; /* vpool */
	(3) if alc_drug in ('2','3','4') then alcohol3=1;
	  else alcohol3=0; /* ppool */

Florida	(1) if alcdrug in ('1','3') then alcohol1=1;
	  else alcohol1=0; /* apool */
	(2) if alc_drug in ('2','4','5') or contfac1 in ('07','09') or
	contfac2 in ('07','09') or contfac3 in ('07','09') or
	('.01' le tst_res1 le '.99') then alcohol2=1;
	  else alcohol2=0; /* ppool */

Georgia	(1) if contfac1='02' or contfac2='02' or contfac3='02' or contfac4='02'
	then alcohol1=1; else alcohol1=0; /* vpool */
	(2) if year in ('1990','1991','1992','1993') then do;
	  if ('.01' le tst_res1 le '.99') or alc_drug='1' or
	  percond1 in ('2','4') then alcohol2=1; else alcohol2=0;
	  end;
	else if year in ('1994','1995','1996','1997') then do;
	  if ('.01' le tst_res1 le '.99') or alc_drug='1' or
	  percond1 in ('3','4') then alcohol2=1; else alcohol2=0;
	  end;
	else do; /* 1998 */
	  if ('0.01' le tst_res1 le '0.99') or tst_res2='POS' or
	  percond1 in ('3','4') then alcohol2=1; else alcohol2=0;
	  end; /* ppool */

[24] Alcohol information may also be coded for passengers in some states. The derived variable *ptype* and the alcohol queries can be used for this determination.

STATE	QUERY

Illinois

```
(1) if year in ('1990','1991','1992') then do;
      if tst_res1 in ('2','3','4','5','6','7') or percond1='9'
      then alcohol1=1; else alcohol1=0;
      end;
    else if year in ('1993','1994','1995') then do;
      if percond1='9' then alcohol1=1; else alcohol1=0;
      end;
    else do; /* 1996-1999 */
      if ('.01' le tst_res1 le '.94') or percond1 in ('2','7')
      then alcohol1=1; else alcohol1=0;
      end; /* ppool */
```

Indiana

```
(1) if cause1='01' then alcohol1=1; else alcohol1=0; /* apool */
(2) if contfac1='01' or contfac2='01' then alcohol2=1;
     else alcohol2=0; /* vpool */
(3) if percond1='2' or ('.010' le tst_res1 le '.999') or
    ('.010' le tst_res2 le '.999') then alcohol3=1;
     else alcohol3=0; /* ppool */
```

Kansas

```
(1) if asa1 in ('AC','AP') or asa2 in ('AC','AP') or asa3 in ('AC','AP')
     or ('.01' le tst_res1 le '.99') or
    pcc1='02' or pcc2='02' or pcc3='02' or pcc4='02' or pcc5='02' or
    dcc1='02' or dcc2='02' or dcc3='02' or dcc4='02' or dcc5='02' or
    dcc6='02' or dcc7='02' or dcc8='02' or dcc9='02' or dcc10='02'
    then alcohol1=1; else alcohol1=0; /* ppool */
```

Maryland

```
(1) if year in ('1990','1991','1992') and (cause1='21' or cause2='21')
    then alcohol1=1; else alcohol1=0; /* apool */
(2) if year in ('1990','1991','1992') and contfac1='21' then alcohol2=1;
     else alcohol2=0; /* vpool */
(3) if year in ('1993','1994','1995','1996','1997','1998','1999')
    then do;
      if (tst_res1 ne '.88' and ('.01' le tst_res1 le '.98'))
      or alc_drug in ('11','21') or percond='02' or
      con_cir1 in ('02','04') or con_cir2 in ('02','04') or
      con_cir3 in ('02','04') or con_cir4 in ('02','04')
      then alcohol3=1; else alcohol3=0;
      end;
    else do; /* 1990-1992 */
      if (tst_res1 ne '.88' and ('.01' le tst_res1 le '.98')) or
      percond1='2' or percond2='2' or percond3='2' or pedcond='2'
      then alcohol3=1; else alcohol3=0;
      end; /* ppool */
```

STATE	QUERY

Michigan

```
(1) if year in ('1990','1991') then do;
      if cause1='07' or alcdrug='1' then alcohol1=1; else alcohol1=0;
      end;
    else do; /* 1992-1999 */
      if alcdrug='1' then alcohol1=1; else alcohol1=0;
      end; /* apool */
(2) if year in ('1990','1991') then do;
      if alc_drug='1' or con_cir1='01' or tst_res1 in ('2','3')
      then alcohol2=1; else alcohol2=0;
      end;
    else if year='1992' then do;
      if ('.010' le tst_res1 le '.900') or alcohol='1' then alcohol2=1;
      else alcohol2=0;
      end;
    else do; /* 1993-1999 */
      if alcohol='1' then alcohol2=1; else alcohol2=0;
      end; /* ppool */
```

Missouri

```
(1) if ((year in ('1990','1991','1992') and
    (contfac1='15' or contfac2='15' or contfac3='15' or
     contfac4='15' or contfac5='15')) or
    (year in ('1993','1994') and
    (contfac1='16' or contfac2='16' or contfac3='16' or
     contfac4='16' or contfac5='16')) or
    (year in ('1995','1996','1997','1998','1999') and
    (contfac1='18' or contfac2='18' or contfac3='18' or
     contfac4='18' or contfac5='18'))) then alcohol1=1;
    else alcohol1=0; /* vpool */
(2) if ((year in ('1990','1991','1992') and
    (con_cir1='15' or con_cir2='15' or con_cir3='15' or
     con_cir4='15')) or
    (year in ('1993','1994') and
    (con_cir1='16' or con_cir2='16' or con_cir3='16')) or
    (year in ('1995','1996','1997','1998','1999') and
    (con_cir1='18' or con_cir2='18' or con_cir3='18'))) then alcohol2=1;
    else alcohol2=0; /* ppool */
```

New Mexico

```
(1) if substr(contfac2,1,1)='4' or substr(contfac2,2,1)='4' or
    substr(contfac2,3,1)='4' then alcohol1=1;
     else alcohol1=0; /* vpool */
(2) if alc_drug in ('1','2','5') or tst_res1 ge '.01' then alcohol2=1;
     else alcohol2=0; /* ppool */
```

North Carolina

```
(1) if alcohol=1 then alcohol1=1; else alcohol1=0; /* apool */
(2) if  intoxc=1 or violat1=2 or violat2=2 or violat3=2 or
    violat4=2 or violat5=2 then alcohol2=1;
     else alcohol2=0; /* vpool */
```

STATE	QUERY
Ohio	(1) if alcdrug='1' then alcohol1=1; else alcohol1=0; /* apool */ (2) if alcohol in ('2','3','4') or ('.01' le tst_res1 le '.98') then alcohol2=1; else alcohol2=0; /* ppool */
Pennsylvania	(1) if alcdrug in ('1','4') or (cause1 in ('02','74') and year in ('1990','1991','1992')) or (cause1 in ('A2','V1') and year in ('1993','1994','1995','1996','1997','1998','1999'))then alcohol1=1; else alcohol1=0; /* apool */ (2) if percond1='2' then alcohol2=1; else alcohol2=0; /* vpool */ (3) if alc_drug in ('1','4') or ('.01' le tst_res1 le '.96') then alcohol3=1; else alcohol3=0; /* ppool */
Texas	(1) if contfac2='9' then alcohol1=1; else alcohol1=0; /* vpool */ (2) if ('01' le tst_res1 le '97') or alc_drug='1' then alcohol2=1; else alcohol2=0; /* ppool */
Utah	(1) if violat in ('13','14') or contfac1 in ('09','28') or contfac2 in ('09','28') then alcohol1=1; else alcohol1=0; /* vpool */ (2) if ('.01' le tst_res1 le '.99') then alcohol2=1; else alcohol2=0; /* ppool */
Virginia	(1) if alcdrug='1' then alcohol1=1; else alcohol1=0; /* apool */ (2) if ('.01' le tst_res1 le '.99') or alc_drug in ('2','3','4','5') then alcohol2=1; else alcohol2=0; /* ppool */
Washington	(1) if contfac1='01' or contfac2='01' or contfac3='01' then alcohol1=1; else alcohol1=0; /* vpool */ (2) if alc_drug in ('1','2','3','5','6') or ('.01' le tst_res1 le '.97') then alcohol2=1; else alcohol2=0; /* ppool */

VARIABLE CATEGORY: CHILD RESTRAINT

The variable *child* is normally derived using the variable RESTRAINT DEVICE (rest1) in the Person data set. Additional variables such as OCCUPANT RESTRAINT (belt) or RESTRAINT DEVICE 2 (rest2), contained in the Person data set, may also be used if applicable. For this analysis, the categories '(Child) Restraint Improperly Used' and '(Child) Restraint Failure' have been classified as 'Restraint Not Used'. Also, airbag codes without explicit reference to restraint use (used/not used) are classified as 'Restraint Use Unknown'. The variable *child* has the following codes:

1= Child restraint used
2=Other restraint used
3=No restraint used
4=Restraint use unknown.

California

```
if rest1='Q' then child=1;
 else if rest1 in ('C','E','G','J') then child=2;
  else if rest1 in ('A','D','F','H','K','P','R','T','U') then child=3;
   else child=4;
```

Florida

```
if year in ('1990','1991','1992') then do;
  if rest1='3' then child=1;
  else if rest1='2' then child=2;
  else if rest1='1' then child=3;
  else child=4;
  end;
else do; /* 1993-1999 */[25]
  if rest1='0' then do;
    if rest2='1' then child=3;
    else if rest2='2' then child=2;
    else if rest2='3' then child=1;
    else child=4;
    end;
  else if rest1='1' then do;
    if rest2 in ('2','3','5','6') then child=4;
    else child=3;
    end;
  else if rest1='2' then do;
    if rest2='3' then child=1;
    else if rest2 in ('1','5','6') then child=4;
    else child=2;
    end;
  else if rest1='3' then do;
    if rest2 in ('1','5','6') then child=4;
    else child=1;
    end;
  else if rest1='4' then do;
    if rest2='1' then child=3;
    else if rest2='2' then child=2;
    else if rest2='3' then child=1;
    else child=4;
    end;
  else if rest1 in ('5','6') then child=4;
  else do; /* rest1 not in '0','1','2','3''4','5','6') */
    if rest2='1' then child=3;
    else if rest2='2' then child=2;
    else if rest2='3' then child=1;
    else child=4;
    end;
  end;
```

[25] This query sets contradictory information between Florida's two restraint variables to "Restraint use unknown" for the period 1993-1999.

STATE	QUERY

Georgia	`if rest1='4' then child=1;`
	` else if rest1 in ('1','2') or`
	` (year in ('1994','1995','1996','1997','1998') and rest1'3')`
	` then child=2;`
	`  else if rest1 in ('0','5') then child=3;`
	`  else child=4;`

Illinois	`if year in ('1990','1991','1992','1993','1994','1995') then do;`
	`  if rest1='5' then child=1;`
	`  else if rest1='1' then child=2;`
	`  else if rest1 in ('2','6','7') then child=3;`
	`  else child=4;`
	`  end;`
	`else do; /* 1996-1999 */`
	`  if rest1='6' then child=1;`
	`  else if rest1='2' then child=2;`
	`  else if rest1 in ('1','3','7','8') then child=3;`
	`  else if rest1='9' then do;`
	`  if airbag='1' then child=2;`
	`  else if airbag='2' then child=3;`
	`  else child=4;`
	`  end;`
	`  else child=4;`
	`end;`

Indiana	`if rest1='4' or rest2='4' then child=1;`
	` else if rest1 in ('2','3') or rest2 in ('2','3') then child=2;`
	`  else if rest1='1' or rest2='1' then child=3;`
	`  else child=4;`

Kansas	`if rest1='C' then child=1;`
	` else if rest1 in ('L','S','X') then child=2;`
	`  else if rest1 in ('N','Y') then child=3;`
	`  else child=4;`

Maryland	`if year in ('1990','1991','1992') then do;`
	`  if rest1='04' then child=1;`
	`  else if rest1 in ('01','02','03') then child=2;`
	`  else if rest1 in ('10','11') then child=3;`
	`  else child=4;`
	` end;`
	`else do; /* 1993-1999 */`
	`  if rest1='14' then child=1;`
	`  else if rest1 in ('11','12','13','32') then child=2;`
	`  else if rest1 in ('00','01','31') then child=3;`
	`  else child=4;`
	`  end;`

STATE	QUERY

Michigan

```
if year in ('1990','1991') then do;
  if rest1='5' then child=1;
  else if rest1='2' then child=2;
  else if rest1 in ('1','3','6','7') then child=3;
  else child=4;
  end;
else do; /* 1992-1999 */
  if rest1='06' then child=1;
  else if rest1 in ('02','03','04') then child=2;
  else if rest1 in ('01','05','07','08') then child=3;
  else child=4;
  end;
```

Missouri

```
if year in ('1990','1991','1992') then do;
  if rest1='4' then child=1;
  else if rest1 in ('3','6') then child=2;
  else if rest1 in ('1','2') then child=3;
  else child=4;
  end;
else do; /* 1993-1999 */
  if rest1='6' then child=1;
  else if rest1 in ('3','4','5') then child=2;
  else if rest1 in ('1','2') then child=3;
  else child=4;
  end;
```

New Mexico

```
if year in ('1990','1991','1992','1993','1994','1995') then do;
  if rest1='9' then child=1;
  else if rest1 in ('3','5','6') then child=2;
  else if rest1 in ('1','2','4','7') then child=3;
  else child=4;
  end;
else do; /* 1996-1999 */
  if rest1='8' then child=1;
  else if rest1 in ('3','5','6') then child=2;
  else if rest1 in ('1','2','4','7') then child=3;
  else child=4;
  end;
```

North Carolina

```
if belt=4 then child=1;
 else if belt in (2,3) then child=2;
  else if belt=1 then child=3;
   else child=4;
```

Ohio

```
if rest1='6' then child=1;
 else if rest1 in ('3','4','5')then child=2;
  else if rest1 in ('1','2')then child=3;
   else child=4;
```

STATE	QUERY

Pennsylvania	`if rest_use='1' then do;`
	`  if rest1='4' then child=1;`
	`  else if rest1 in ('1','2','3') or pas_rest='3' then child=2;`
	`  else child=4;`
	`  end;`
	`else if rest_use in ('0','2') then child=3;`
	`else child=4;`

Texas	`if rest1='3' then child=1;`
	`  else if rest1 in ('1','2','5') then child=2;`
	`  else if rest1='6' then child=3;`
	`  else child=4;`

Utah	`if year in ('1990','1991','1992') then do;`
	`  if rest1='5' then child=1;`
	`  else if rest1 in ('1','2') then child=2;`
	`  else if rest1 in ('3','4') then child=3;`
	`  else child=4;`
	`  end;`
	`else do; /* 1993-1999 */`
	`  if rest1='5' then child=1;`
	`  else if rest1 in ('1','2','6','A') then child=2;`
	`  else if rest1 in ('3','4','7') then child=3;`
	`  else child=4;`
	`  end;`

Virginia	`if rest1='5' then child=1;`
	`  else if rest1 in ('2','3','4') then child=2;`
	`  else if rest1='1' then child=3;`
	`  else child=4;`

Washington	`if rest1='5' then child=1;`
	`  else if rest1 in ('2','3','4','6','8') then child=2;`
	`  else if rest1 in ('1','7','9') then child=3;`
	`  else child=4;`

VARIABLE CATEGORY: CRASH SEVERITY

The variable *sev* is derived using ACCIDENT SEVERITY (severity) in the Crash data set and uses the following codes:

1=Fatal crash
2=Injury crash
3=Property damage only (PDO) crash.

STATE	QUERY

California	`select (severity);`
	` when (‘1’) sev=1; when (‘2’) sev=2; when (‘3’) sev=2; when (‘4’) sev=2;`
	` when (‘0’) sev=3; otherwise sev=.;`
	` end;`

Florida	`select (severity);`
	` when (‘1’) sev=3; when (‘2’) sev=2; when (‘3’) sev=2; when (‘4’) sev=2;`
	` when (‘5’) sev=1; otherwise sev=.;`
	` end;`

Georgia	`if num_fat>0 then sev=1;`
	` else if num_inj>0 then sev=2;`
	`  else sev=3;`

Illinois	`select (severity);`
	` when (‘1’) sev=1; when (‘2’) sev=2; when (‘3’) sev=3; otherwise sev=.;`
	` end;`

Indiana	`select (severity);`
	` when (‘1’) sev=1; when (‘2’) sev=2; when (‘3’) sev=3; otherwise sev=.;`
	` end;`

Kansas	`select (severity);`
	` when (‘4’) sev=1; when (‘1’,‘2’,‘3’) sev=2; when (‘0’) sev=3;`
	` otherwise sev=.;`
	` end;`

Maryland	`if year in (‘1990’,‘1991’,‘1992’) then do;`
	`  if severity=‘5’ then sev=1;`
	`  else if severity in (‘4’,‘3’,‘2’) then sev=2;`
	`  else if severity=‘1’ then sev=3;`
	`  else sev=.;`
	`  end;`
	`else do; /* 1993-1999 */`
	`  if severity=‘05’ then sev=1;`
	`  else if severity in (‘04’,‘03’,‘02’) then sev=2;`
	`  else if severity=‘01’ then sev=3;`
	`  else sev=.;`
	`  end;`

STATE	QUERY

Michigan	`if year in ('1990','1991') then sev=severity;`
	`else do; /* 1992-1999 */`
	`if fatal='1' then sev=1; else if injury='1' then sev=2; else sev=3;`
	`end;`

Missouri	`select (severity);`
	`when ('1') sev=1; when ('2') sev=2; when ('3') sev=3; otherwise sev=.;`
	`end;`

New Mexico	`sev=severity;`

North Carolina	`select (severity);`
	`when (5) sev=1; when (4) sev=2; when (3) sev=2; when (2) sev=2;`
	`when (1) sev=3; otherwise sev=.;`
	`end;`

Ohio	`select (severity);`
	`when ('1') sev=1; when ('2') sev=2; when ('3') sev=3; otherwise sev=.;`
	`end;`

Pennsylvania	`select (severity);`
	`when ('1') sev=1; when ('2') sev=2; when ('3') sev=2; when ('4') sev=2;`
	`when ('5') sev=2; when ('6') sev=3; otherwise sev=.;`
	`end;`

Texas	`select (severity);`
	`when ('1') sev=2; when ('2') sev=2; when ('3') sev=2; when ('4') sev=1;`
	`when ('5') sev=3; otherwise sev=.;`
	`end;`

Utah	`select (severity);`
	`when ('1') sev=3; when ('2') sev=2; when ('3') sev=2; when ('4') sev=2;`
	`when ('5') sev=1; otherwise sev=.;`
	`end;`

Virginia	`select (severity);`
	`when ('0') sev=1; when ('1') sev=1; when ('2') sev=2; when ('3') sev=2;`
	`when ('4') sev=3; when ('5') sev=3; otherwise sev=.;`
	`end;`

Washington	`select (severity);`
	`when ('1') sev=3; when ('2') sev=2; when ('3') sev=1; otherwise sev=.;`
	`end;`

VARIABLE CATEGORY: CRASH TYPE

The variable (*ctype*) is normally derived using the variable NUMBER OF VEHICLES (num_veh) in the Crash data set. For North Carolina, the variable NUMBER OF UNITS IN ACCIDENT (numunit) is used. For New Mexico and Washington, the NUMBER OF VEHICLES (num_veh) variable must be derived. The method is shown below. The variable *ctype* has the following codes:

S=Single vehicle
M=Multiple vehicle
U=Unknown.

All states excepting North Carolina:

```
if num_veh=1 then ctype='S'; else if num_veh>1 then ctype='M'; else ctype='U';
```

North Carolina:

```
if numunit=1 then ctype='S'; else if numunit>1 then ctype='M'; else ctype='U';
```

Derivation of the variable NUMBER OF VEHICLES (num_veh):
(New Mexico, Washington)

```
data temp (keep=caseno num_veh);
  set test.vpool;
  by caseno vehno;
  retain num_veh 0;
  if first.caseno then num_veh=0;
  num_veh+1;
  if last.caseno then output;
 run;

data test.apool;[26]
  merge test.apool (in=A) temp;
  by caseno;
  if A;
 run;
```

[26] This step adds the variable *num_veh* to the existing apool data set.

VARIABLE CATEGORY: DAY OF WEEK (Weekday vs Weekend)[27]

The variable *wend1* is derived from the TIME OF ACCIDENT (time) variable and the DAY OF WEEK (weekday) variable, present in most state Crash data sets. For states where TIME OF ACCIDENT is not available, the variable HOUR OF ACCIDENT (hour) is used.

California

```
/* mon=1 sun=7 */
if (weekday in (‘6’,‘7’) or (weekday=‘1’ and (0 le time le 559)) or
   (weekday=‘5’ and (1800 le time le 2359))) then wend1=‘Weekend’;
else if (weekday in (‘2’,‘3’,‘4’) or
        (weekday=‘1’ and (600 le time le 2359)) or
        (weekday=‘5’ and (0 le time le 1759))) then wend1=‘Weekday’;
else wend1=‘Unknown’;
```

Florida

```
/* mon=1 sun=7 */
if (weekday in (‘6’,‘7’) or (weekday=‘1’ and (1 le time le 559)) or
   (weekday=‘5’ and (1800 le time le 2400))) then wend1=‘Weekend’;
else if (weekday in (‘2’,‘3’,‘4’) or
        (weekday=‘1’ and (600 le time le 2359)) or
        (weekday=‘5’ and (1 le time le 1759))) then wend1=‘Weekday’;
else wend1=‘Unknown’;
```

Georgia

```
/* sun=1 sat=7 */
if (weekday in (‘1’,‘7’) or (weekday=‘2’ and (0 < time < 600)) or
   (weekday=‘6’ and (1800 le time le 2400))) then wend1=‘Weekend’;
else if (weekday in (‘3’,‘4’,‘5’) or
        (weekday=‘2’ and (600 le time le 2400)) or
        (weekday=‘6’ and (0 < time < 1800))) then wend1=‘Weekday’;
else wend1=‘Unknown’;
```

Illinois

```
/* mon=1 sun=7 */
if year in (‘1996’,‘1997’,‘1998’,‘1999’) then do;
  if (weekday in (‘6’,‘7’) or (weekday=‘1’ and (0 le time le 559)) or
     (weekday=‘5’ and (1800 le time le 2359))) then wend1=‘Weekend’;
  else if (weekday in (‘2’,‘3’,‘4’) or
          (weekday=‘1’ and (600 le time le 2359)) or
          (weekday=‘5’ and (0 le time le 1759))) then wend1=‘Weekday’;
  else wend1=‘Unknown’;
  end;
else do; /* 1990-1995 */
  if (weekday in (‘6’,‘7’) or (weekday=‘1’ and (0 le hour le 5)) or
     (weekday=‘5’ and (18 le hour le 23))) then wend1=‘Weekend’;
  else if (weekday in (‘2’,‘3’,‘4’) or
          (weekday=‘1’ and (6 le hour le 23)) or
          (weekday=‘5’ and (0 le hour le 17))) then wend1=‘Weekday’;
  else wend1=‘Unknown’;
  end;
```

[27] Some states designate midnight as time 0, while others use time 2400.

STATE	QUERY

Indiana

```
/* sun=1 sat=7 */
if (weekday in (‘1’,‘7’) or (weekday=‘2’ and (1 le time le 559)) or
   (weekday=‘6’ and (1800 le time le 2400))) then wend1=‘Weekend’;
else if (weekday in (‘3’,‘4’,‘5’) or
        (weekday=‘2’ and (600 le time le 2400)) or
        (weekday=‘6’ and (1 le time le 1759))) then wend1=‘Weekday’;
else wend1=‘Unknown’;
```

Kansas

```
/* mon=1 sun=7 */
if (weekday in (‘6’,‘7’) or (weekday=‘1’ and (‘0000’ le time < ‘0600’))
or (weekday=‘5’ and (‘1800’ le time le ‘2359’))) then wend1=‘Weekend’;
else if (weekday in (‘2’,‘3’,‘4’) or
        (weekday=‘1’ and (‘0600’ le time le ‘2359’)) or
        (weekday=‘5’ and (‘0000’ le time < ‘0600’))) then
wend1=‘Weekday’;
else wend1=‘Unknown’;
```

Maryland

```
/* sun=1 sat=7 */
if (weekday in (‘1’,‘7’) or (weekday=‘2’ and (1 le time le 559)) or
   (weekday=‘6’ and (1800 le time le 2400))) then wend1=‘Weekend’;
else if (weekday in (‘3’,‘4’,‘5’) or
        (weekday=‘2’ and (600 le time le 2400)) or
        (weekday=‘6’ and (1 le time le 1759))) then wend1=‘Weekday’;
else wend1=‘Unknown’;
```

Michigan

```
/* sun=1 sat=7 */
if year in (‘1990’,‘1991’) then do;
  if (weekday in (‘1’,‘7’) or (weekday=‘2’ and (1 le hour le 6)) or
     (weekday=‘6’ and (19 le hour le 24))) then wend1=‘Weekend’;
  else if (weekday in (‘3’,‘4’,‘5’) or
          (weekday=‘2’ and (7 le hour le 24)) or
          (weekday=‘6’ and (1 le hour le 18))) then wend1=‘Weekday’;
  else wend1=‘Unknown’;
  end;
else do; /* 1992-1999 */
  if (weekday in (‘1’,‘7’) or (weekday=‘2’ and (0 le hour le 5)) or
     (weekday=‘6’ and (18 le hour le 24))) then wend1=‘Weekend’;
  else if (weekday in (‘3’,‘4’,‘5’) or
          (weekday=‘2’ and (6 le hour le 24)) or
          (weekday=‘6’ and (0 le hour le 17))) then wend1=‘Weekday’;
  else wend1=‘Unknown’;
  end;
```

Missouri

```
/* sun=1 sat=7 */
if (weekday in (‘1’,‘7’) or (weekday=‘2’ and (1 le time le 559)) or
   (weekday=‘6’ and (1800 le time le 2400))) then wend1=‘Weekend’;
else if (weekday in (‘3’,‘4’,‘5’) or
        (weekday=‘2’ and (600 le time le 2400)) or
        (weekday=‘6’ and (1 le time le 1759))) then wend1=‘Weekday’;
else wend1=‘Unknown’;
```

STATE	QUERY

New Mexico	`/* sun=1 sat=7 */`
	`if (weekday in (‘1’,‘7’) or (weekday=‘2’ and (1 le time le 559)) or`
	`(weekday=‘6’ and (1800 le time le 2400))) then wend1=‘Weekend’;`
	`else if (weekday in (‘3’,‘4’,‘5’) or`
	`(weekday=‘2’ and (600 le time le 2400)) or`
	`(weekday=‘6’ and (1 le time le 1759))) then wend1=‘Weekday’;`
	`else wend1=‘Unknown’;`

North Carolina	`/* mon=1 sun=7 */`
	`if (weekday in (‘6’,‘7’) or (weekday=‘1’ and (0 le time le 559)) or`
	`(weekday=‘5’ and (1800 le time le 2359))) then wend1=‘Weekend’;`
	`else if (weekday in (‘2’,‘3’,‘4’) or`
	`(weekday=‘1’ and (600 le time le 2359)) or`
	`(weekday=‘5’ and (0 le time le 1759))) then wend1=‘Weekday’;`
	`else wend1=‘Unknown’;`

Ohio	`/* sun=1 sat=7 */`
	`if (weekday in (‘1’,‘7’) or (weekday=‘2’ and (0 le hour le 5)) or`
	`(weekday=‘6’ and (18 le hour le 23))) then wend1=‘Weekend’;`
	`else if (weekday in (‘3’,‘4’,‘5’) or`
	`(weekday=‘2’ and (6 le hour le 23)) or`
	`(weekday=‘6’ and (0 le hour le 17))) then wend1=‘Weekday’;`
	`else wend1=‘Unknown’;`

Pennsylvania	`/* sun=1 sat=7 */`
	`if (weekday in (‘1’,‘7’) or`
	`(weekday=‘2’ and (0 le time le 599[28])) or`
	`(weekday=‘6’ and (1800 le time le 2399))) then wend1=‘Weekend’;`
	`else if (weekday in (‘3’,‘4’,‘5’) or`
	`(weekday=‘2’ and (600 le time le 2399)) or`
	`(weekday=‘6’ and (0 le time le 1799))) then wend1=‘Weekday’;`
	`else wend1=‘Unknown’;`

Texas	`/* sun=1 sat=7 */`
	`if (weekday in (‘1’,‘7’) or (weekday=‘2’ and (‘00’ le hour le ‘05’)) or`
	`(weekday=‘6’ and (‘18’ le hour le ‘23’))) then wend1=‘Weekend’;`
	`else if (weekday in (‘3’,‘4’,‘5’) or`
	`(weekday=‘2’ and (‘06’ le hour le ‘23’)) or`
	`(weekday=‘6’ and (‘00’ le hour le ‘17’))) then wend1=‘Weekday’;`
	`else wend1=‘Unknown’;`

[28]For Pennsylvania, times ending in 99 indicate that the hour is known but not minutes.

STATE	QUERY

Utah	`/* mon=1 sun=7 */`
	`if (weekday in (‘6’,‘7’) or`
	`(weekday=‘1’ and (1 le time le 559)) or`
	`(weekday=‘5’ and (1800 le time le 2400))) then wend1=‘Weekend’;`
	`else if (weekday in (‘2’,‘3’,‘4’) or`
	`(weekday=‘1’ and (600 le time le 2400)) or`
	`(weekday=‘5’ and (1 le time le 1759))) then wend1=‘Weekday’;`
	`else wend1=‘Unknown’;`

Virginia	`/* mon=1 sun=7 */`
	`if (weekday in (‘6’,‘7’) or (weekday=‘1’ and (0 le hour le 5)) or`
	`(weekday=‘5’ and (18 le hour le 23))) then wend1=‘Weekend’;`
	`else if (weekday in (‘2’,‘3’,‘4’) or`
	`(weekday=‘1’ and (6 le hour le 23)) or`
	`(weekday=‘5’ and (0 le hour le 17))) then wend1=‘Weekday’;`
	`else wend1=‘Unknown’;`

Washington	`/* mon=1 sun=7 */`
	`if (weekday in (‘6’,‘7’) or (weekday=‘1’ and (1 le time le 559)) or`
	`(weekday=‘5’ and (1800 le time le 2400))) then wend1=‘Weekend’;`
	`else if (weekday in (‘2’,‘3’,‘4’) or`
	`(weekday=‘1’ and (600 le time le 2400)) or`
	`(weekday=‘5’ and (1 le time le 1759))) then wend1=‘Weekday’;`
	`else wend1=‘Unknown’;`

VARIABLE CATEGORY: INJURY SEVERITY

The variable *pinj* is derived using the variable INJURY SEVERITY (inj) in the Person data set. The variable *pinj* uses the following codes:

1=Fatality
2=Injury
3=Not injured/Unknown.

STATE	QUERY

California	`if inj='1' then pinj=1;`
	`  else if inj in ('2','3','4') then pinj=2;`
	`  else pinj=3;`

Florida	`if inj='5' then pinj=1;`
	`  else if inj in ('2','3','4') then pinj=2;`
	`  else pinj=3;`

Georgia	`if inj='1' then pinj=1;`
	`  else if inj in ('2','3','4') then pinj=2;`
	`  else pinj=3;`

Illinois	`if inj='4' then pinj=1;`
	`  else if inj in ('1','2','3') then pinj=2;`
	`  else pinj=3;`

Indiana	`if inj_stat='6' then pinj=1;`
	`  else if inj_stat in ('1','2','3','4','5','7','U') then pinj=2;`
	`  else pinj=3;`

Kansas	`if inj='F' then pinj=1;`
	`  else if inj in ('D','I','P') then pinj=2;`
	`  else pinj=3;`

Maryland	`if year in ('1990','1991','1992') then do;`
	`  if inj='5' then pinj=1;`
	`  else if inj in ('4','3','2') then pinj=2;`
	`  else pinj=3;`
	`  end;`
	`else do; /* 1993-1999 */`
	`  if inj='05' then pinj=1;`
	`  else if inj in ('04','03','02') then pinj=2;`
	`  else pinj=3;`
	`  end;`

STATE	QUERY

Michigan	`if inj='1' then pinj=1;`
	`else if inj in ('2','3','4') then pinj=2;`
	`else pinj=3;`

Missouri	`if inj='1' then pinj=1;`
	`else if inj in ('2','3','4') then pinj=2;`
	`else pinj=3;`

New Mexico	`if inj='K' then pinj=1;`
	`else if inj in ('A','B','C') then pinj=2;`
	`else pinj=3;`

North Carolina	`if inj=5 then pinj=1;`
	`else if inj in (2,3,4) then pinj=2;`
	`else pinj=3;`

Ohio	`if inj='1' then pinj=1;`
	`else if inj in ('2','3','4') then pinj=2;`
	`else pinj=3;`

Pennsylvania	`if inj='1' then pinj=1;`
	`else if inj in ('2','3','4','9') then pinj=2;`
	`else pinj=3;`

Texas	`if inj='4' then pinj=1;`
	`else if inj in ('1','2','3') then pinj=2;`
	`else pinj=3;`

Utah	`if inj='5' then pinj=1;`
	`else if inj in ('2','3','4') then pinj=2;`
	`else pinj=3;`

Virginia	`if inj in ('1','5') then pinj=1;`
	`else if inj in ('2','3','4') then pinj=2;`
	`else pinj=3;`

Washington	`if inj in ('2','3','4') then pinj=1;`
	`else if inj in ('5','6','7') then pinj=2;`
	`else pinj=3;`

VARIABLE CATEGORY: PEDESTRIAN LOCATION

The variable *itype* is derived using variables in the Crash or Person data sets; see the individual queries for the variable names and locations. For this analysis, the classification 'In Roadway' includes shoulders. Driveway, sidewalk, median, and pedestrian island codes are classified as 'Not in Roadway', as well as explicit 'Not in Roadway' codes. The following descriptions, when an explicit 'Not in Roadway' code is also available for use, are assumed 'In Roadway-Location Unknown': 'Playing'[29], 'Standing', 'Pushing/Working on Vehicle', 'Coming From Behind Parked Vehicle' and 'Walking With/Against Traffic'. 'Approaching/Entering/Leaving (School) Bus/Vehicle' codes are implicitly considered 'In Roadway-Location Unknown'. 'Crossing With/Against Signal' codes are implicitly considered 'In Roadway-Intersection'. The handling of situations not noted above is specified in the individual queries. Finally, it is assumed that the researcher is using this query in conjunction with ptype='PD' (see Person Type). The variable *itype* uses the following codes:

RI=In roadway, intersection
RN=In roadway, not in intersection
RU=In roadway, location unknown
NR=Not in roadway
UK=Unknown.

STATE	QUERY

California

```
/* ped_actn (Pedestrian Action) in Crash data set */
if ped_actn='2' then itype='RI';
 else if ped_actn ='3' then itype='RN';
  else if ped_actn in ('4','5','7') then itype='RU';
   else if ped_actn='6' then itype='NR';
    else itype='UK';
```

Florida

```
/* ped_act (Pedestrian Action) in Person data set */
/* codes 3&4 (90-92), 4&5 (93-99) are assumed shoulders, not sidewalks */
 if year in ('1990','1991','1992') then do;
   if ped_act='02' then itype='RI';
   else if ped_act='01' then itype='RN';
   else if ped_act in ('03','04','05','06','07') then itype='RU';
   else itype='UK';
   end;
 else do; /* 1993-1999 */
   if ped_act='03' then itype='RI';
   else if ped_act in ('01','02') then itype='RN';
   else if ped_act in ('04','05','06','07','08') then itype='RU';
   else if ped_act='09' then itype='NR';[30]
   else itype='UK';
   end;
```

[29] In this situation, the code description is 'Playing' rather than 'Playing in Roadway', etc.

[30] Florida has no explicit 'Not in Roadway' classification. For 1993-1999, code '09'='Pedestrian Island'.

STATE	QUERY

Georgia

```
/* ped_act (Pedestrian Maneuver) in Person data set */
if ped_act='02' then itype='RI';
 else if ped_act='01' then itype='RN';
  else if ped_act in ('03','04','05','06','07','08') then itype='RU';
   else if ped_act='09' then itype='NR';
    else itype='UK';
```

Illinois

```
/* ped_act (Pedestrian Action), ped_act2 (Pedestrian Action 2), and
   ped_loc (Pedestrian Location) in Person data set */
if year in ('1990','1991','1992','1993','1994','1995') then do;
  if ped_act='10' then itype='NR';
  else if ped_act in ('01','02','03') then itype='RI';
  else if ped_act='04' then itype='RN';
  else if ped_act in ('05','06','07','08','09','11','12') then
  itype='RU';
  else itype='UK';
  end;
else do; /* 1996-1999 */
  if ped_loc in ('05','06') or ped_act2='59' then itype='NR';[31]
  else if ped_act2 in ('51','52') or ped_act in ('01','02','03')
  then itype='RI';
  else if ped_act='04' then itype='RN';
  else if ped_act2 in ('53','54','55','56','57','58','60','61','62','63')
  or ped_act in ('05','06','07','08','09','11','12')
  or ped_loc in ('01','02','03','04') then itype='RU';
  else itype='UK';
  end;
```

Indiana

```
/* ped_act (Pedestrian Action) in Person data set */
if ped_act='11' then itype='RI';
 else if ped_act='10' then itype='RN';
  else if ped_act in ('02','03','04','05','06','07','08','09')
  then itype='RU';
   else if ped_act='01' then itype='NR';
    else itype='UK';
```

Kansas

```
/* ped_loc (Pedestrian Location) in Person data set */
if ped_loc in ('01','02','03') then itype='RI';
 else if ped_loc in ('11','12','13') then itype='RN';
  else if ped_loc='25' then itype='NR';
   else if ped_act in ('01','02','03','04','05','06') then itype='RU';
    else itype='UK';
```

[31] The Illinois variable PEDESTRIAN ACTION (ped_act) code 10='Not in Roadway' is unreliable after 1993. Data for 1994-1995 (and some late-1993 data) were recoded from a new PAR into the old format. The conversion was only approximate. PEDESTRIAN LOCATION (ped_loc) is used for 'Not in Roadway' in 1996-1999. However, for 1994-1995, ped_act had to be used for 'Not in Roadway'.

STATE	QUERY

Maryland

```
/* ped_act (Pedestrian Action) and ped_loc (Pedestrian Location)
   in Person data set */
if year in ('1990','1991','1992') then do;
  if ped_loc in ('2','3') then itype='NR';
  else if ped_act='01' then itype='RI';
  else if ped_act='02' then itype='RN';
  else if ped_act in ('03','04','05','06','07','08','09','10','11') or
  ped_loc in ('1','5','6','7') then itype='RU';
  else itype='UK';
  end;
else do; /* 1993-1999 */
  if ped_loc in ('02','03') then itype='NR';
  else if ped_act='51' then itype='RI';
  else if ped_act='52' then itype='RN';
  else if ped_act in ('53','54','55','56','57','58','59','60','61') or
  ped_loc in ('01','05','06','07') then itype='RU';
  else itype='UK';
  end;
```

Michigan

```
/* intent (Driver/Pedestrian Intent) and
   per_act (Driver/Pedestrian Action) in Person data set */
if year in ('1990','1991') then do;
  if intent='01' then itype='RI';
  else if intent='02' then itype='RN';
  else if intent in ('03','04','05','06','07','08','09','10')
  then itype='RU';
  else if intent='11' then itype='NR';
  else itype='UK';
  end;
else if year='1992' then do;
  if per_act='23' then itype='RI';
  else if per_act='24' then itype='RN';
  else if per_act in ('25','26','27','28','29','30','31','32')
  then itype='RU';
  else if per_act='33' then itype='NR';
  else itype='UK';
  end;
else do; /* 1993-1999 */
  if per_act='24' then itype='RI';
  else if per_act='25' then itype='RN';
  else if per_act in ('26','27','28','29','30','31','32','33')
  then itype='RU';
  else if per_act='34' then itype='NR';
  else itype='UK';
  end;
```

Missouri

```
/* ped_act (Pedestrian Action) in Person data set */
if ped_act in ('01','02','03','04') then itype='RI';
 else if ped_act in ('05','06','07','08','09','10','11','12','13','15')
 then itype='RN';
  else if ped_act='14' then itype='NR';
   else itype='UK';
```

STATE	QUERY

New Mexico[32]	`/* ped_int (Pedestrian at Intersection), ped_act (Pedestrian Action) and ped_act2 (Pedestrian Action 2) in Person data set */`
	`if ped_int in ('1','2','3','4') then itype='RI';`
	`else if ped_act1 in ('1','2','3','4') or ped_act2 in ('1','2','3','4') then itype='RN';`
	`else itype='UK';`

North Carolina	`/* maneuver (Vehicle/Pedestrian Maneuver) in Vehicle data set */`
	`if maneuver=17 then itype='RI';`
	`else if maneuver=18 then itype='RN';`
	`else if maneuver in (19,20,21,22,23,24,25,26,27,29) then itype='RU';`
	`else if maneuver=28 then itype='NR';`
	`else itype='UK';`

Ohio	`/* per_act (Driver/Pedestrian Action) in Person data set */`
	`if per_act='18' then itype='RI';`
	`else if per_act='19' then itype='RN';`
	`else if per_act in ('20','21','22','23','24','25','26') then itype='RU';`
	`else if per_act='27' then itype='NR';`[33]
	`else itype='UK';`

Pennsylvania	`/* ped_loc (Pedestrian Location) in Person data set, rd_rel (Relation to Road), int_type (Intersection Type) in Crash data set */`[34]
	`if year in ('1990','1991','1992','1993','1994','1995','1996') then do;`
	`if ped_loc in ('02','03','04','19') then itype='RI';`
	`else if ped_loc in ('05','06','07','20') then itype='RN';`
	`else if ped_loc in ('01','14') then itype='RU';`
	`else if ped_loc in ('08','09','10','11','12','13','15','16','17','18','21') then itype='NR';`
	`else itype='UK';`
	`end;`
	`else do; /* 1997-1999 */`
	`if rd_rel in ('5','6','7','8') then itype='NR';`
	`else if rd_rel in ('1','2','3','4') then do;`
	`if int_type in ('01','02','03','04','05','06','07','08','09') then itype='RI';`
	`else if int_type='00' then itype='RN';`
	`else itype='RU';`
	`end;`
	`else itype='UK';`
	`end;`

[32] New Mexico does not have an explicit 'Not in Roadway' code.

[33] Code 27= 'On sidewalk or shoulder'. This is the only non-roadway code used by Ohio.

[34] This query should be used with the avp data set. Note that, in 1997-1999, Pennsylvania's PEDESTRIAN LOCATION (ped_loc) is coded as unknown with a very high frequency. This necessitated the use of the Crash variables INTERSECTION TYPE (int_type) and RELATION TO ROAD (rd_rel) instead. Comparisons made between 1990-1996 and 1997-1999 should be regarded as only approximate.

STATE	QUERY

Texas	`/* ped_act (Pedestrian Action) in Person data set */`
	`if ped_act='1' then itype='RI';`
	`else if ped_act='2' then itype='RN';`
	`else if ped_act in ('0','3','4','5','6','7','8','9') then itype='RU';`
	`else if ped_act='-' then itype='NR';`
	`else itype='UK';`

Utah	`/* ped_actn (Pedestrian Action) in Crash data set, ped_act (Pedestrian Action) in Person data set */`
	`if year in ('1990','1991','1992','1993','1994') then do;`
	`if ped_actn in ('01','02','03','04') then itype='RI';`
	`else if ped_actn='05' then itype='RN';`
	`else if ped_actn in`
	`('06','07','09','10','11','12','13','14','15','16','17','18','19',`
	`'21','22') then itype='RU';`
	`else if ped_actn in ('08','20') then itype='NR';`
	`else itype='UK';`
	`end;`
	`else do; /* 1995-1999 */`
	`if ped_act in ('01','02','03','04') then itype='RI';`
	`else if ped_act='05' then itype='RN';`
	`else if ped_act in`
	`('06','07','09','10','11','12','13','14','15','16','17','18','19',`
	`'21','22') then itype='RU';`
	`else if ped_act in ('08','20','24','25') then itype='NR';`
	`else itype='UK';`
	`end;`

Virginia	`/* per_act (Driver/Pedestrian Action) in Person data set */`
	`if per_act in ('01','02','03','04') then itype='RI';`
	`else if per_act in ('05','06') then itype='RN';`
	`else if per_act in`
	`('07','08','09','10','11','12','13','14','15','16','17','18')`
	`then itype='RU';`
	`else if per_act='19' then itype='NR';`
	`else itype='UK';`

Washington	`/* ped_act (Pedestrian Action) in Person data set */`
	`if ped_act in ('01','02','03','04','19') then itype='RI';`
	`else if ped_act in ('06','07') then itype='RN';`
	`else if ped_act in ('05','08','09','10','11','12','13','14','15')`
	`then itype='RU';`
	`else if ped_act='16' then itype='NR';`
	`else itype='UK';`

VARIABLE CATEGORY: PERSON TYPE

The variable *ptype* is typically derived using PERSON TYPE/INVOLVEMENT CODE (loc) and/or SEAT POSITION (pos or seatpos) in the Person data set. In certain instances, the variables PEDESTRIAN TYPE (pppo or ped_type) in the Person data set and/or VEHICLE TYPE (veh_type) in the Vehicle data set are also needed. Note that neither the Driver category nor the Passenger category include pedalcyclists; the pedalcyclist category includes both pedalcycle drivers and passengers. The variable *ptype* uses the following codes:

DR=Driver
PA=Passenger
PC=Pedalcyclist
PD=Pedestrian
OT=Other.

STATE	QUERY

California	`if loc='1' then ptype='DR';`
	`else if loc='2' then ptype='PD';`
	`else if loc='4' then ptype='PC';`
	`else if loc in ('6','7') then ptype='PA';`
	`else ptype='OT';`

Florida	`if year in ('1990','1991','1992') then do;`
	`if veh_type='10' then ptype='PC';`
	`else if '01' le perno le '99' then ptype='PA';`
	`else if pos='P' then ptype='PD';`
	`else if pos='*' then ptype='DR';`
	`else ptype='OT';`
	`end;`
	`else do; /* 1993-1999 */`
	`if veh_type='09' then ptype='PC';`
	`else if '01' le perno le '99' then ptype='PA';`
	`else if pos='P' then ptype='PD';`
	`else if pos='*' then ptype='DR';`
	`else ptype='OT';`
	`end;`

Georgia	`if year='1998' then do;`
	`if veh_type='19' then ptype='PC';`
	`else if loc='1' then ptype='DR';`
	`else if loc='2' then ptype='PA';`
	`else if loc='5' then ptype='PD';`
	`else ptype='OT';`
	`end;`
	`else do; /* 1990-1997 */`
	`if veh_type='19' then ptype='PC';`
	`else if pos='1' then ptype='DR';`
	`else if pos in ('2','3','4','5','6','7','8') then ptype='PA';`
	`else if pos='P' then ptype='PD';`
	`else ptype='OT';`
	`end;`

STATE	QUERY

Illinois	`if year in ('1990','1991','1992','1993','1994','1995') then do;`
	`  if loc='0' then ptype='DR';`
	`  else if loc='1' then ptype='PD';`
	`  else if loc='3' then ptype='PC';`
	`  else if loc='5' then ptype='PA';`
	`  else ptype='OT';`
	`  end;`
	`else do; /* 1996-1999 */`
	`  if loc='A' then ptype='DR';`
	`  else if loc='E' then ptype='PD';`
	`  else if loc='G' then ptype='PC';`
	`  else if loc in ('C','D') then ptype='PA';`
	`  else ptype='OT';`
	`  end;`

Indiana	`if pppo='P' then ptype='PD';`
	` else if pppo='B' then ptype='PC';`
	`  else if pos='1' then ptype='DR';`
	`   else if '01' le perno le '99' then ptype='PA';`
	`    else ptype='OT';`

Kansas	`if ped_type='21' then ptype='PD';`
	` else if ped_type='22' then ptype='PC';`
	`  else if pos='01' then ptype='DR';`
	`   else if pos in ('02','03','04','05','06','07','08','09','11','12',`
	`                  '13','14','15','16','17','88','99') then ptype='PA';`
	`    else ptype='OT';`

Maryland	`if year in ('1990','1991','1992') then do;`
	`  if pppo='1' then ptype='PD';`
	`  else if pppo='2' then ptype='PC';`
	`  else if pos='1' then ptype='DR';`
	`  else if pos in ('2','3','4','5','6','7','8','9') then ptype='PA';`
	`  else ptype='OT';`
	`  end;`
	`else do; /* 1993-1999 */`
	`  if pppo='01' then ptype='PD';`
	`  else if pppo in ('02','03') then ptype='PC';`
	`  else if pos='01' then ptype='DR';`
	`  else if pos in ('02','03','04','05','06','07','08','09','10')`
	`  then ptype='PA';`
	`  else ptype='OT';`
	`  end;`

STATE	QUERY

Michigan	`if year in ('1990','1991') then do;`
	`  if loc='3' then ptype='PD';`
	`  else if loc='4' then ptype='PC';`
	`  else if loc='2' or (loc='5' and pos='7') then ptype='PA';`
	`  else if loc='1' or (loc='5'and pos='0') then ptype='DR';`
	`  else ptype='OT';`
	`  end;`
	`else do; /* 1992-1999 */`
	`  if pos='P' then ptype='PD';`
	`  else if pos='B' then ptype='PC';`
	`  else if pos='01' then ptype='DR';`
	`  else if pos in ('02','03','04','05','06','07','08','09','10',`
	`  '11','12','13','14') then ptype='PA';`
	`  else ptype='OT';`
	`  end;`

Missouri	`if loc='3' then ptype='PD';`
	` else if ((loc in ('U','1','2') and pos='B') or loc='4') then ptype='PC';`
	`  else if loc in ('U','1') and pos NE 'B' then ptype='DR';`
	`  else if loc='2' and pos ne 'B' then ptype='PA';`
	`  else ptype='OT';`

New Mexico	`if pos in ('LF','MD') then ptype='DR';`
	` else if pos='PD' then ptype='PD';`
	`  else if pos='PC' then ptype='PC';`
	`  else if pos in ('CF','CR','LR','MP','OT','RF','RR') then ptype='PA';`
	`  else ptype='OT';`

North Carolina	`if veh_type=18 then ptype='PC';`
	` else if veh_type=21 then ptype='PD';`
	`  else if seatpos=1 then ptype='DR';`
	`  else if seatpos in (2,3,4,5,6) then ptype='PA';`
	`  else ptype='OT';`

Ohio	`if veh_type='31' then ptype='PC';`
	`  else if loc='D' then ptype='DR';`
	`  else if loc='O' then ptype='PA';`
	`  else if loc='P' then ptype='PD';`
	`  else ptype='OT';`

Pennsylania	`if bodytype in ('90','91','92') then ptype='PC';`
	` else if pos='1' then ptype='DR';`
	`  else if pos in ('2','3','4','5','6','8','9') then ptype='PA';`
	`  else if pos='7' then ptype='PD';`
	`  else ptype='OT';`

STATE	QUERY

Texas	`if pppo='2' then ptype='PD';`
	`else if pppo='3' then ptype='PC';`
	`else if pos='1' then ptype='DR';`
	`else if pos in ('2','3','4','5','6','7','8','9','+') then ptype='PA';`
	`else ptype='OT';`

Utah	`if pos in ('011','11') then ptype='DR';`
	`else if pos in ('001','01') then ptype='PD';`
	`else if pos in ('004','04') then ptype='PC';`
	`else if (('012' le pos le '055') or ('12' le pos le '55'))`
	`then ptype='PA';`
	`else ptype='OT';`

Virginia	`if veh_type='09' then ptype='PC';`
	`else if loc='1' then ptype='DR';`
	`else if loc='2' then ptype='PA';`
	`else if loc='3' then ptype='PD';`
	`else ptype='OT';`

Washington	`if loc='1' then ptype='DR';`
	`else if loc='2' then ptype='PA';`
	`else if loc='3' then ptype='PD';`
	`else if loc='4' then ptype='PC';`
	`else ptype='OT';`

VARIABLE CATEGORY: RESTRAINT USE/HELMET USE[35]

The variable *rest* is normally derived using the variable RESTRAINT DEVICE (rest1) in the Person data set. Additional variables such as HELMET INFORMATION (helmet) or RESTRAINT DEVICE 2 (rest2), contained in the Person data set, may also be used. For this analysis, the categories '(Child) Restraint Improperly Used' and '(Child) Restraint Failure" have been classified as 'Restraint Not Used'. Also, airbag codes without explicit reference to restraint use (used/not used) are classified as 'Restraint Use Unknown'. The variable *rest* uses the following codes:

1=Restraint used
2=Restraint not used
3=Helmet Use Unknown/Restraint use unknown
4=Helmet used
5=Helmet not used.

STATE	QUERY

California	`if rest1 in ('C','E','G','J','Q') then rest=1;`
	`else if rest1 in ('A','D','F','H','K','P','R','T','U') then rest=2;`
	`else if rest1 in ('W','Y')then rest=4;`
	`else if rest1 in ('V','X') then rest=5; else rest=3;`

Florida	`if year in ('1990','1991','1992') then do;`
	`if rest1 in ('2','3') then rest=1;`
	`else if rest1='1' then rest=2;`
	`else if rest1='4' then rest=4;`
	`else rest=3;`
	`end;`
	`else do; /* 1993-1999 */`[36]
	`if rest1='0' then do;`
	`if rest2='1' then rest=2;`
	`else if rest2 in ('2','3') then rest=1;`
	`else if rest2='5' then rest=4;`
	`else rest=3;`
	`end;`
	`else if rest1='1' then do;`
	`if rest2 in ('2','3','5') then rest=3;`
	`else rest=2;`
	`end;`
	`else if rest1 in ('2','3') then do;`
	`if rest2 in ('1','5','6') then rest=3;`
	`else rest=1;`
	`end;`

[35] It should be noted that some states do not explicitly specify "Helmet not used". In these cases, "Restraint not used" codes in conjunction with vtype='MC' imply "Helmet not used". Also, observations in the Passenger Car/Light Truck data sets vdpool and vcpool with *rest*=4 or *rest*=5 are recoded as *rest*=3; observations in the Motorcycle data sets mdpool and vmpool with *rest*=1 (and *rest*=2 if the state uses explicit "Helmet not used" codes) are recoded as *rest*=3. That is, inconsistent observations are recoded as "Restraint use unknown" for vehicle occupants and "Helmet use unknown" for motorcyclists.

[36] For the period 1993-1999, when contradictory information between Florida's two restraint variables is found, the use of safety equipment is considered unknown.

STATE	QUERY

Florida (Cont.)

```
else if rest1='4' then do;
    if rest2='1' then rest=2;
    else if rest2 in ('2','3') then rest=1;
    else rest=3;
    end;
  else if rest1='5' then do;
     if rest2 in ('0','5','6') then rest=4;
     else rest=3;
     end;
  else if rest1='6' then do;
     if rest2='1' then rest=2;
     else if rest2='5' then rest=4;
     else rest=3;
     end;
  else do; /* rest1 not in '0', '1','2','3','4','5','6') */
    if rest2='1' then rest=2;
    else if rest2 in ('2','3') then rest=1;
    else if rest2='5' then rest=4;
    else rest=3;
    end;
end;
```

Georgia

```
if rest1 in ('1','2','4') or
(year in ('1994','1995','1996','1997','1998') and rest1='3')
then rest=1;
 else if rest1 in ('0','5') then rest=2;
  else if (year in ('1990','1991','1992','1993') and rest1='3') or
  (year in ('1994','1995','1996','1997','1998') and rest1='6')
  then rest=4;
   else rest=3;
```

Illinois

```
if year in ('1990','1991','1992','1993','1994','1995') then do;
  if rest1 in ('1','5') then rest=1;
  else if rest1 in ('2','6','7') then rest=2;
  else if rest1='3' then rest=4;
  else if rest1='4' then rest=5;
  else rest=3;
  end;
else do; /* 1996-1999 */
  if rest1 in ('2','6') then rest=1;
  else if rest1 in ('1','3','7','8') then rest=2;
  else if rest1='4' then rest=4;
  else if rest1='5' then rest=5;
  else if rest1='9' then do;
    if airbag='1' then rest=1;
    else if airbag='2' then rest=2;
    else rest=3;
    end;
  else rest=3;
end;
```

Indiana

```
if rest1 in ('2','3','4') or rest2 in ('2','3','4') then rest=1;
 else if rest1='1' or rest2='1' then rest=2;
  else if rest1='5' or rest2='5' then rest=4;
   else rest=3;
```

STATE	QUERY

Kansas

```
if rest1 in (‘C’,‘L’,‘S’,‘X’) then rest=1;
 else if rest1 in (‘N’,‘Y’) then rest=2;
  else if rest1 in (‘B’,‘H’) then rest=4;
   else if rest1=‘E’ then rest=5;
    else rest=3;
```

Maryland[37]

```
if year in (‘1990’,‘1991’,‘1992’) then do;
  if vtype=‘MC’ then do;
     if rest1 in (‘06’,‘08’) then rest=4;
     else if rest1 in (‘07’,‘10’,‘11’) then rest=5;
     else rest=3;
     end;
  else do;
    if rest1 in (‘01’,‘02’,‘03’,‘04’) then rest=1;
    else if rest1 in (‘10’,‘11’) then rest=2;
    else rest=3;
    end;
end;
else do; /* 1993-1999 */
  if vtype=‘MC’ then do;
    if rest1 in (‘21’,‘23’) then rest=4;
    else if rest1 in (‘22’,‘00’,‘01’) then rest=5;
    else rest=3;
    end;
 else do;
   if rest1 in (‘11’,‘12’,‘13’,‘14’,‘32’) then rest=1;
   else if rest1 in (‘00’,‘01’,‘31’) then rest=2;
   else rest=3;
   end;
end;
```

Michigan[38]

```
if year in (‘1990’,‘1991’) then do;
  if vtype=‘MC’ then do;
     if helmet=‘1’ then rest=4;
     else if helmet=‘2’ then rest=5;
     else rest=3;
     end;
  else do;
    if rest1 in (‘2’,‘5’) then rest=1;
    else if rest1 in (‘1’,‘3’,‘6’,‘7’) then rest=2;
    else rest=3;
    end;
end;
else do; /* 1992-1999 */
  if rest1 in (‘02’,‘03’,‘04’,‘06’) then rest=1;
  else if rest1 in (‘01’,‘05’,‘07’,‘08’) then rest=2;
  else if rest1=‘09’ then do;
    if year=‘1992’ then rest=4;
    else rest=3;
    end;
```

[37] The Maryland restraint use query should be used with vppool.

[38] The Michigan restraint use query should be used with vppool.

STATE	QUERY

Michigan (Cont.)

```
 else if rest1='10' then do;
    if year='1992' then rest=5;
    else rest=4;
    end;
  else if rest1='11' then do;
    if year='1992' then rest=3;
    else rest=5;
    end;
  else rest=3;
end;
```

Missouri

```
if year in ('1990','1991','1992') then do;
  if rest1 in ('3','4','6') then rest=1;
  else if rest1 in ('1','2') then rest=2;
  else rest=3;
  end;
else do; /* 1993-1999 */
  if rest1 in ('3','4','5','6') then rest=1;
  else if rest1 in ('1','2') then rest=2;
  else if rest1='7' then rest=4;
  else if rest1='8' then rest=5;
  else rest=3;
  end;
```

New Mexico[39]

```
if year in ('1990','1991','1992','1993','1994','1995') then do;
  if vtype='MC' then do;
    if helmet='Y' then rest=4;
    else if helmet='N' then rest=5;
    else rest=3;
    end;
  else do;
    if rest1 in ('3','5','6','9') then rest=1;
    else if rest1 in ('1','2','4','7') then rest=2;
    else rest=3;
    end;
end;
else do; /* 1996-1999 */
  if vtype='MC' then do;
    if helmet='Y' then rest=4;
    else if helmet='N' then rest=5;
    else rest=3;
    end;
  else do;
    if rest1 in ('3','5','6','8') then rest=1;
    else if rest1 in ('1','2','4','7') then rest=2;
    else rest=3;
    end;
end;
```

North Carolina

```
if belt in (2,3,4) then rest=1;
 else if belt=1 then rest=2;
  else if belt=7 then rest=4;
   else rest=3;
```

[39] The New Mexico restraint use query should be used with vppool.

STATE	QUERY

Ohio[40]	`if vtype='MC' then do;`
	`  if helmet in ('2','3','4') then rest=4;`
	`  else if helmet='1' then rest=5;`
	`  else rest=3;`
	`  end;`
	`else do;`
	`  if rest1 in ('3','4','5','6') then rest=1;`
	`  else if rest1 in ('1','2') then rest=2;`
	`  else rest=3;`
	`  end;`

Pennsylania	`if rest_use='1' then do;`
	`  if rest1 in ('1','2','3','4') or pas_rest='3' then rest=1;`
	`  else if rest1='7' then rest=4;`
	`  else rest=3;`
	`  end;`
	`else if rest_use in ('0','2') then rest=2;`
	`else rest=3;`

Texas	`if helmet in ('1','2','3') then rest=4;`
	` else if helmet='4' then rest=5;`
	`  else if rest1 in ('1','2','3','5') then rest=1;`
	`   else if rest1='6' then rest=2;`
	`    else rest=3;`

Utah	`if year in ('1990','1991','1992') then do;`
	`  if rest1 in ('1','2','5') then rest=1;`
	`  else if rest1 in ('3','4') then rest=2;`
	`  else if rest1 in ('7','9') then rest=4;`
	`  else if rest1='8' then rest=5;`
	`  else rest=3;`
	`  end;`
	`else do; /* 1993-1999 */`
	`  if rest1 in ('1','2','5','6','A') then rest=1;`
	`  else if rest1 in ('3','4','7') then rest=2;`
	`  else if rest1 in ('0','8') then rest=4;`
	`  else if rest1='9' then rest=5;`
	`  else rest=3;`
	`  end;`

Virginia[41]	`if rest1 in ('2','3','4','5') then rest=1;`
	` else if rest1='1' then rest=2;`
	`  else rest=3;`

Washington	`if helmet='1' then rest=4;`
	` else if helmet='2' then rest=5;`
	`  else if rest1 in ('2','3','4','5','6','8') then rest=1;`
	`   else if rest1 in ('1','7','9') then rest=2;`
	`    else rest=3;`

[40] The Ohio restraint use query should be used with vppool.

[41] Virginia does not currently use helmet codes.

VARIABLE CATEGORY: ROLLOVER

The variable *rollover* is typically derived using the variable FIRST HARMFUL EVENT[42] (event1) in the Crash data set. In some cases, subsequent event codes, e.g., SECOND HARMFUL EVENT (event2) may also be used. A few states code rollover information at the vehicle level. In these cases, vehicle harmful event codes, e.g., VEHICLE FIRST HARMFUL EVENT[43] (vevent1), may be used instead. The variable *rollover* uses the following codes:

1=Rollover
0=No Rollover.

Since the rollover indicator is generally contained in the state's Crash data set, statistics based on vehicle type were only generated for single-vehicle crashes (cases where the vehicle rolling over could be definitively determined). It is a simple matter to select single-vehicle rollovers using the Crash-Vehicle data set, e.g.

```
data test.sv_roll; /* selects rollovers for autos, light trucks involved in single
                      vehicle crashes                                              */
 set test.avpool;
 if rollover=1 and ctype='S' and vtype in ('PC','ST');
run;
```

Occupants of passenger cars and light trucks involved in single-vehicle rollovers can be selected using a conditional merge, e.g.

```
data test.occ_roll;
 merge test.sv_roll (in=A) test.vopool;
 by caseno vehno;
 if A;
run;
```

Note that there is a wide variability in the coding of rollover information by the states. For this reason, the rollover queries used in this report were evaluated using information from the Fatality Analysis Reporting System (FARS). FARS single-vehicle rollover crashes involving passenger vehicles were selected. The total number of crashes with a rollover in the first harmful event (`rollover=1`) was considered a lower bound. The total number of crashes with a rollover in either the first harmful event or in a subsequent event (`rollover in (1,2)`) was considered an upper bound. The FARS upper and lower bounds found for each state were then compared to State Data System (SDS) fatal single-vehicle rollover crash totals.

[42] For California, the variable COLLISION TYPE (col_type) is used. For Pennsylvania, the variable event1 corresponds to MOST HARMFUL EVENT.

[43] For North Carolina, the Vehicle-level variable MOST HARMFUL EVENT (mostharm) is used in conjunction with the Crash-level variable FIRST HARMFUL EVENT (event1). For Virginia, the variable VEHICLE DAMAGE (veh_dam1) is used.

For SDS, states with a single rollover criterion either at the Crash-level or Vehicle-level were reported as stated. These states included California, Florida, Georgia, Illinois, Indiana, Kansas, Missouri, New Mexico, Ohio, Pennsylvania, Texas, Virginia, and Washington. Generally, states with a single rollover criterion had SDS rollover totals in a region bracketed by the FARS upper and lower bounds. States with rollover totals typically in the middle portion of the region included California, Florida, Georgia, Illinois, Missouri, Virginia, and Washington. Ohio SDS rollover totals were generally much closer to the FARS lower bound than the upper bound. Indiana, Kansas, and Pennsylvania had SDS rollover totals generally near the FARS upper bound. New Mexico and Texas had SDS rollover totals that considerably exceeded the FARS upper bound. Using FARS as a standard, it appears that Texas SDS rollover totals are overestimated by at least 30-40% for 1990-1996, and overestimated by at least 60% for 1997-1999. New Mexico SDS rollover totals, using FARS as a standard, appear to be overestimated by 200-300% for 1990-1999.[44]

States using multiple rollover criteria tended to have a low incidence of rollovers as first harmful events, i.e., SDS rollover totals calculated using only first event indicators were generally much lower than the FARS lower bound. In these cases, additional subsequent event or most harmful event variables were used in the queries to place the totals within the region bracketed by the FARS upper and lower bounds. Generally, when using additional Crash-level or Vehicle-level variables, the SDS rollover totals tended to be close to the FARS upper bound. This is expected since the FARS upper bound includes both first event and subsequent event rollovers. States falling in this category included Maryland, Michigan, North Carolina[45] and Utah.

As mentioned above, using FARS as a standard, excepting Ohio, SDS rollover totals generally tended to be considerably higher than the FARS lower bound. A number of factors may be involved. When subsequent event or most harmful event variables are used, the SDS rollover totals will naturally tend towards the FARS upper bound. In other cases, when a single FIRST HARMFUL EVENT variable is used, it is possible that the SDS rollover totals may be higher due to the inclusion of fixed object crashes with rollovers as subsequent events. There is a wide variability in the coding of this variable between states; some states have many categories, others only a few. Another likely contributing factor is that the FARS “Passenger Vehicles” and SDS “Passenger Cars/Light Trucks” categories have only an approximate correspondence. It is quite possible, in some cases, that the SDS rollover totals include light trucks that would not be classified as such by FARS. In several instances, the SDS distinction between light and large trucks is only approximate.[46] The table below illustrates the findings for 1999 as an example of the FARS/SDS comparison described above.

[44] For New Mexico, a likely contributing factor in the large discrepancy between FARS and SDS totals is that New Mexico’s light truck classification is only approximate, and involves use of three variables (bodytype, model, veh_type). A similar situation occurs for Texas where the light truck classification involves two variables (bodytype, veh_type). In general, when several primary variables are used to partition a derived variable into categories, the accuracy of the partitioning can vary due to a number of factors.

[45] Queries used for North Carolina and Pennsylvania use MOST HARMFUL EVENT variables which record the most severe event occurring at the Crash-level (Pennsylvania) or Vehicle-level (North Carolina) of all events in the crash. Since rollovers frequently cause severe vehicle damage and personal injury, the use of MOST HARMFUL EVENT is reasonably equivalent to evaluating a series of individual events (FIRST HARMFUL EVENT, SECOND HARMFUL EVENT, etc.) for the purposes of this analysis.

[46] Consult the individual Vehicle Type queries that follow. Comparison of the queries with the actual vehicle classifications in the State User manuals should allow a researcher to evaluate the impact of light truck categorizations on the rollover data.

Comparison of 1999 FARS and SDS Single-Vehicle Passenger Car/Light Truck Rollover Crashes[47]

State	FARS First Event	SDS	FARS First or Subsequent Event
California	108	191	354
Florida[48]	57	146	141
Georgia	32	96	132
Illinois[49]	59	68	169
Indiana[50]	14	103	79
Kansas[51]	26	73	59
Maryland	4	38	40
Michigan[52]	32	136	96
Missouri	34	78	130
New Mexico[53]	25	119	43
North Carolina[54]	18	169	144
Ohio	9	32	108
Pennsylvania[55]	17	128	127
Texas[56]	138	407	259
Utah[57]	23	53	32
Virginia	15	37	87
Washington	47	77	87

[47] Georgia 1999 data is unavailable. The numbers stated are for 1998. Illinois 1999 data is incomplete. The numbers stated are for 1995, the last complete year of Illinois data in SDS. Washington 1999 data is unavailable. The numbers stated are for 1996.

[48] Florida's SDS totals generally fall in the middle of the region bracketed by the FARS upper and lower bounds.

[49] Illinois' SDS totals generally fall in the middle of the region.

[50] Indiana's SDS totals tend to be near the FARS upper bound.

[51] Kansas' SDS totals tend to be near the FARS upper bound.

[52] Best agreement with FARS was found using Michigan's first three HARMFUL VEHICLE EVENT variables (vevent1, vevent2, vevent3). However, the query chosen also uses FOURTH HARMFUL VEHICLE EVENT (vevent4) as this provided best agreement with Michigan's 1990-1991 time period, and generally was not significantly greater than the FARS upper bound.

[53] As mentioned previously, the New Mexico light truck classification is only approximate.

[54] North Carolina SDS totals tend to be near the FARS upper bound.

[55] Pennsylvania SDS totals are generally slightly under the FARS upper bound.

[56] As mentioned previously, the Texas light truck classification is only approximate.

[57] Utah's SDS totals tend to be near the FARS upper bound.

STATE	QUERY
California	`if col_type='06' then rollover=1;` `else rollover=0;`

Florida	`if year in ('1990','1991','1992') then do;`
	`if event1 in ('18','30') then rollover=1; else rollover=0;`
	`end;`
	`else do; /* 1993-1999 */`
	`if event1 in ('31','33') then rollover=1; else rollover=0;`
	`end;`

Georgia	`if year in ('1990','1991','1992','1993') then do;`
	`if event1='06' then rollover=1; else rollover=0;`
	`end;`
	`else do; /* 1994-1998 */`
	`if event1='01' then rollover=1; else rollover=0;`
	`end;`

Illinois	`if year in ('1990','1991','1992','1993','1994','1995') then do;`
	`if event1 in ('02','32') then rollover=1; else rollover=0;`
	`end;`
	`else do; /* 1996-1999 */`
	`if event1='05' then rollover=1; else rollover=0;`
	`end;`

Indiana	`if event1='3' then rollover=1;` `else rollover=0;`
Kansas	`if event1='01' then rollover=1;` `else rollover=0;`
Maryland	`if event1='11' or event2='11' then rollover=1;` `else rollover=0;`

Michigan	`if (year in ('1990','1991') and event1='01') or`
	`(year='1992' and`
	`(vevent1='01' or vevent2='01' or vevent3='01' or vevent4='01')) or`
	`(year in ('1993','1994','1995','1996','1997','1998','1999') and`
	`(vevent1='06' or vevent2='06' or vevent3='06' or vevent4='06'))`
	`then rollover=1;`
	`else rollover=0; /* avpool */`

Missouri	`if event1='10' then rollover=1;` `else rollover=0;`
New Mexico	`if event1='01' then rollover=1;` `else rollover=0;`

STATE	QUERY
North Carolina	`if (event1=4 or (event1 in (1,2,3,5,10,16,17,18,19) and mostharm=4)) then rollover=1; else rollover=0; /* avpool */`
Ohio	`if event1='16' then rollover=1; else rollover=0;`
Pennsylvania	`if event1='04 then rollover=1; else rollover=0;`
Texas	`if event1='0' then rollover=1; else rollover=0;`
Utah	`if (event1='8' or event2='8') then rollover=1; else rollover=0;`
Virginia	`if veh_dam1='3' then rollover=1; else rollover=0; /* avpool */`
Washington	`if event1='52' then rollover=1; else rollover=0;`

VARIABLE CATEGORY: SEX

The variable *stype* is derived using the variable SEX (*sex*) in the Person data set and uses the following codes:

F=Female
M=Male
U=Unknown.

STATE	QUERY

California	`if sex='1' then stype='M';`
	`  else if sex='2' then stype='F';`
	`  else stype='U';`

Florida	`if sex='1' then stype='M';`
	`  else if sex='2' then stype='F';`
	`  else stype='U';`

Georgia	`if year in ('1990','1991','1992','1993') then do;`
	`  if sex='1' then stype='M';`
	`  else if sex='2' then stype='F';`
	`  else stype='U';`
	`  end;`
	`else do; /* 1994-1998 */`
	`  if sex='M' then stype='M';`
	`  else if sex='F' then stype='F';`
	`  else stype='U';`
	`  end;`

Illinois	`if sex='1' then stype='M';`
	`  else if sex='2' then stype='F';`
	`  else stype='U';`

Indiana	`if sex='M' then stype='M';`
	`  else if sex='F' then stype='F';`
	`  else stype='U';`

Kansas	`if sex='M' then stype='M';`
	`  else if sex='F' then stype='F';`
	`  else stype='U';`

Maryland	`if year in ('1990','1991','1992') then do;`
	`  if sex='1' then stype='M';`
	`  else if sex='2' then stype='F';`
	`  else stype='U';`
	`  end;`
	`else do; /* 1993-1999 */`
	`  if sex='01' then stype='M';`
	`  else if sex='02' then stype='F';`
	`  else stype='U';`
	`  end;`

STATE	QUERY

Michigan	`if year in ('1990','1991') then do;`
	`  if sex='1' then stype='M';`
	`  else if sex='2' then stype='F';`
	`  else stype='U';`
	`  end;`
	`else do; /* 1992-99 */`
	`  if sex='M' then stype='M';`
	`  else if sex='F' then stype='F';`
	`  else stype='U';`
	`  end;`

Missouri	`if sex='M' then stype='M';`
	`  else if sex='F' then stype='F';`
	`  else stype='U';`

New Mexico	`if sex='M' then stype='M';`
	`  else if sex='F' then stype='F';`
	`  else stype='U';`

North Carolina	`if sex=1 then stype='M';`
	`  else if sex=2 then stype='F';`
	`  else stype='U';`

Ohio	`if sex in ('1','M') then stype='M';`
	`  else if sex in ('2','F') then stype='F';`
	`  else stype='U';`

Pennsylania	`if sex='M' then stype='M';`
	`  else if sex='F' then stype='F';`
	`  else stype='U';`

Texas	`if sex='1' then stype='M';`
	`  else if sex='2' then stype='F';`
	`  else stype='U';`

Utah	`if sex in ('1','M') then stype='M';`
	`  else if sex in ('2','F') then stype='F';`
	`  else stype='U';`

Virginia	`if sex='1' then stype='M';`
	`  else if sex='2' then stype='F';`
	`  else stype='U';`

Washington	`if sex='1' then stype='M';`
	`  else if sex='2' then stype='F';`
	`  else stype='U';`

VARIABLE CATEGORY: SPEEDING

The determination of speeding-related crashes requires use of the Crash, Vehicle and/or Person data sets. It should be noted that there is a wide variety in the type and number of speeding-related variables coded by each state. The queries used and the data sets they are applied to are listed below. For example, for California, speeding determinations require using the first query with the Crash data set (apool) and using the second query with the Vehicle data set (vpool). The individual indicator variables *speed1* and *speed2* are combined using the method described earlier in this appendix (see "Creation of Alcohol/Speeding Data Sets").

STATE	QUERY

California	(1) if cause1='03' then speed1=1;
	  else speed1=0; /* apool */
	(2) if ((year in ('1990','1991') and violatn in ('25','52')) or
	(year in ('1992','1993','1994','1995','1996','1997','1998','1999')
	and contfac1='25')) then speed2=1;
	  else speed2=0; /* vpool */

Florida	(1) if contfac1 in ('12','17') or contfac2 in ('12','17') or contfac3 in ('12','17') then speed1=1; else speed1=0; /* ppool */

Georgia	(1) if year in ('1990','1991','1992','1993') then do;
	  if contfac1 in ('13','14') or contfac2 in ('13','14') or
	  contfac3 in ('13','14') or contfac4 in ('13','14') then speed1=1;
	  else speed1=0;
	  end;
	else do; /* 1994-1998 */
	  if contfac1 in ('05','22') or contfac2 in ('05','22') or
	  contfac3 in ('05','22') or contfac4 in ('05','22') then speed1=1;
	  else speed1=0;
	  end; /* vpool */

Illinois	(1) if cause1='01' or cause2='01' or (year in ('1996','1997','1998','1999') and (cause1='27' or cause2='27')) then speed1=1; else speed1=0; /* apool */ (2) if con_cir1='04' and year in ('1996','1997','1998','1999') then speed2=1; else speed2=0; /* ppool */

Indiana	(1) if cause1='07' then speed1=1;
	  else speed1=0; /* apool */
	(2) if contfac1='07' or contfac2='07' then speed2=1;
	  else speed2=0; /* vpool */

Kansas	(1) if dcc1 in ('05','06') or dcc2 in ('05','06') or dcc3 in ('05','06') or dcc4 in ('05','06') or dcc5 in ('05','06') or dcc6 in ('05','06') or dcc7 in ('05','06') or dcc8 in ('05','06') or dcc9 in ('05','06') or dcc10 in ('05','06') then speed1=1; else speed1=0; /* ppool */

STATE	QUERY
Maryland	(1) if year in (‘1990’,‘1991’,‘1992’) and (cause1 in (‘01’,‘03’) or cause2 in (‘01’,‘03’)) then speed1=1; else speed1=0; /* apool */ (2) if year in (‘1990’,‘1991’,‘1992’) and contfac1 in (‘01’,‘03’) then speed2=1; else speed2=0; /* vpool */ (3) if year in (‘1993’,‘1994’,‘1995’,‘1996’,‘1997’,‘1998’,‘1999’) and (con_cir1 in (‘18’,‘21’) or con_cir2 in (‘18’,‘21’) or con_cir3 in (‘18’,‘21’) or con_cir4 in (‘18’,‘21’)) then speed3=1; else speed3=0; /* ppool */

Michigan	(1) if year in (‘1990’,‘1991’) then do;
	if cause1=‘01’ then speed1=1;
	else speed1=0;
	end;
	else speed1=0; /* apool */
	(2) if year=‘1992’ then do;
	if contfac1=‘02’ then speed2=1;
	else speed2=0;
	end;
	else if year in (‘1993’,‘1994’,‘1995’,‘1996’,‘1997’,‘1998’,‘1999’) then do;
	if contfac1=‘01’ then speed2=1;
	else speed2=0;
	end;
	else speed2=0; /* vpool */
	(3) if year in (‘1990’,‘1991’) and haz_act=‘02’ then speed3=1; else speed3=0; /* ppool */

Missouri	(1) if ((year in (‘1990’,‘1991’,‘1992’,‘1993’,‘1994’) and (contfac1 in (‘01’,‘02’) or contfac2 in (‘01’,‘02’) or contfac3 in (01’,‘02’) or contfac4 in (‘01’,‘02’) or contfac5 in (‘01’,‘02’))) or (year in (‘1995’,‘1996’,‘1997’,‘1998’,‘1999’) and (contfac1 in (‘04’,‘05’) or contfac2 in (‘04’,‘05’) or contfac3 in (‘04’,‘05’) or contfac4 in (‘04’,‘05’) or contfac5 in (‘04’,‘05’)))) then speed1=1; else speed1=0; /* vpool */
New Mexico	(1) if substr(contfac1,1,1) in (‘1’,‘2’) or substr(contfac1,2,1) in (‘1’,‘2’) or substr(contfac1,3,1) in (‘1’,‘2’) then speed1=1; else speed1=0; /* vpool */
North Carolina	(1) if violat1 in (7,8) or violat2 in (7,8) or violat3 in (7,8) or violat4 in (7,8) or violat5 in (7,8) then speed1=1; else speed1=0; /* vpool */

STATE	QUERY
Ohio	(1) if contfac1='03' then speed1=1; else speed1=0; /* ppool */
Pennsylvania	(Method detailed on the following page.)
Texas	(1) if contfac1 in ('1','2') then speed1=1; else speed1=0; /* vpool */
Utah	(1) if violat='02' or contfac1='01' or contfac2='01' then speed1=1; else speed1=0; /* vpool */
Virginia	(1) if max_spd in ('1','2') then speed1=1; else speed1=0; /* apool */ (2) if ptype='DR' and per_act in ('02','03') then speed2=1; else speed2=0; /* vppool */
Washington	(1) if contfac1 in ('03','04') or contfac2 in ('03','04') or contfac3 in ('03','04') then speed1=1; else speed1=0; /* vpool */

Speeding Determination for Pennsylvania

Determination of speeding-related crashes involves use of a subsidiary Contributing Factor data set. The Contributing Factor data set contains all of the contributing factors for a given crash. The variable PRIMARY CONTRIBUTING FACTOR (cause1) in the Crash data set is the most important of the factors listed under the variable CONTRIBUTING FACTOR (con_fac) in the Contributing Factor data set.

The procedure is as follows:

1) The yearly Contributing Factor data sets are pooled (fpool created) in a manner similar to that detailed in the section “Creation of Primary Data Sets”. During creation of fpool, the speeding-related contributing factors are determined by deriving the variable *speed*.

2) The fpool data set is reduced to a crash level data set (spdcrash) by defining a second derived variable *speed1* and using the SAS *FIRST* and *LAST* variables.

3) The spdcrash data set is then merged with the apool data set for subsequent processing.

```
data test.fpool (keep=caseno seq_no con_fac speed);
set penn.pa90fac (in=y90) penn.pa91fac (in=y91) penn.pa92fac (in=y92)
    penn.pa93fac (in=y93) penn.pa94fac (in=y94) penn.pa95fac (in=y95)
    penn.pa96fac (in=y96) penn.pa97fac (in=y97) penn.pa98fac (in=y98)
    penn.pa99fac (in=y99);
if y90 then year='1990'; else if y91 then year='1991'; else if y92 then year='1992';
else if y93 then year='1993'; else if y94 then year='1994'; else if y95 then year='1995';
else if y96 then year='1996'; else if y97 then year='1997'; else if y98 then year='1998';
else year='1999';
if (con_fac in ('38','39') and year in ('1990','1991','1992')) or
   (con_fac in ('M1','M2','M3','M4','M5')
    and year in ('1993','1994','1995','1996','1997','1998','1999')) then speed=1;
 else speed=0;
run;

proc sort data=test.fpool;
 by caseno;
run;

data spdcrash (keep=caseno speed1);
 set test.fpool;
 by caseno;
 retain speed1 0;
 if first.caseno then speed1=0;
 if speed1<speed then speed1=speed;
 if last.caseno then output;
run;

data test.apool;
 merge test.apool spdcrash;
 by caseno;
run;
```

VARIABLE CATEGORY: TIME OF CRASH (Day vs. Night)[58]

The variable *daynight* is derived using the variable TIME OF ACCIDENT (time) present in most state crash data sets. For states where TIME OF ACCIDENT is not available, the variable HOUR OF ACCIDENT (hour) is used.

STATE	QUERY

California	`if (0 le time le 559) then daynight='Night';`
	`else if (600 le time le 1759) then daynight='Day';`
	`else if (1800 le time le 2359) then daynight='Night';`
	`else daynight='Unknown';`

Florida	`if (1 le time le 559) then daynight='Night';`
	`else if (600 le time le 1759) then daynight='Day';`
	`else if (1800 le time le 2400) then daynight='Night';`
	`else daynight='Unknown';`

Georgia	`if (0 < time < 600) then daynight='Night';`
	`else if (600 le time < 1800) then daynight='Day';`
	`else if (1800 le time le 2400) then daynight='Night';`
	`else daynight='Unknown';`

Illinois	`if year in ('1996','1997','1998','1999') then do;`
	`if (0 le time le 559) then daynight='Night';`
	`else if (600 le time le 1759) then daynight='Day';`
	`else if (1800 le time le 2359) then daynight='Night';`
	`else daynight='Unknown';`
	`end;`
	`else do; /* 1990-1995 */`
	`if (0 le hour le 5) then daynight='Night';`
	`else if (6 le hour le 17) then daynight='Day';`
	`else if (18 le hour le 23) then daynight='Night';`
	`else daynight='Unknown';`
	`end;`

Indiana	`if (1 le time le 559) then daynight='Night';`
	`else if (600 le time le 1759) then daynight='Day';`
	`else if (1800 le time le 2400) then daynight='Night';`
	`else daynight='Unknown';`

Kansas	`if ('0000' le time < '0600') then daynight='Night';`
	`else if ('0600' le time < '1800') then daynight='Day';`
	`else if ('1800' le time le '2359') then daynight='Night';`
	`else daynight='Unknown';`

[58] Some states designate midnight as time 0, while others use time 2400. Also, use the statement "length daynight $7" which explicitly sets the field size prior to using this query.

STATE	QUERY

Maryland	`if (1 le time le 559) then daynight='Night';`
	`  else if (600 le time le 1759) then daynight='Day';`
	`  else if (1800 le time le 2400) then daynight='Night';`
	`  else daynight='Unknown';`

Michigan	`if year in ('1990','1991') then do;`
	`  if (1 le hour le 6) then daynight='Night';`
	`  else if (7 le hour le 18) then daynight='Day';`
	`  else if (19 le hour le 24) then daynight='Night';`
	`  else daynight='Unknown';`
	`  end;`
	`else do; /* 1992-1999 */`
	`  if (0 le hour le 5) then daynight='Night';`
	`  else if (6 le hour le 17) then daynight='Day';`
	`  else if (18 le hour le 24) then daynight='Night';`
	`  else daynight='Unknown';`
	`  end;`

Missouri	`if (1 le time le 559) then daynight='Night';`
	`  else if (600 le time le 1759) then daynight='Day';`
	`  else if (1800 le time le 2400) then daynight='Night';`
	`  else daynight='Unknown';`

New Mexico	`if (1 le time le 559) then daynight='Night';`
	`  else if (600 le time le 1759) then daynight='Day';`
	`  else if (1800 le time le 2400) then daynight='Night';`
	`  else daynight='Unknown';`

North Carolina	`if (0 le time le 559) then daynight='Night';`
	`  else if (600 le time le 1759) then daynight='Day';`
	`  else if (1800 le time le 2359) then daynight='Night';`
	`  else daynight='Unknown';`

Ohio	`if (0 le hour le 5) then daynight='Night';`
	`  else if (6 le hour le 17) then daynight='Day';`
	`  else if (18 le hour le 23) then daynight='Night';`
	`  else daynight='Unknown';`

Pennsylvania	`if (0 le time le 599`[59]`) then daynight='Night';`
	`  else if (600 le time le 1799) then daynight='Day';`
	`  else if (1800 le time le 2399) then daynight='Night';`
	`  else daynight='Unknown';`

[59] For Pennsylvania, times ending in 99 indicate that hour is known but not minute.

STATE	QUERY

Texas	`if (‘00’ le hour le ‘05’) then daynight=‘Night’;`
	`else if (‘06’ le hour le ‘17’) then daynight=‘Day’;`
	`else if (‘18’ le hour le ‘23’) then daynight=‘Night’;`
	`else daynight=‘Unknown’;`

Utah	`if (1 le time le 559) then daynight=‘Night’;`
	`else if (600 le time le 1759) then daynight=‘Day’;`
	`else if (1800 le time le 2400) then daynight=‘Night’;`
	`else daynight=‘Unknown’;`

Virginia	`if (0 le hour le 5) then daynight=‘Night’;`
	`else if (6 le hour le 17) then daynight=‘Day’;`
	`else if (18 le hour le 23) then daynight=‘Night’;`
	`else daynight=‘Unknown’;`

Washington	`if (1 le time le 559) then daynight=‘Night’;`
	`else if (600 le time le 1759) then daynight=‘Day’;`
	`else if (1800 le time le 2400) then daynight=‘Night’;`
	`else daynight=‘Unknown’;`

VARIABLE CATEGORY: VEHICLE TYPE

The variables *vtype* and *mvtype* are derived using the VEHICLE TYPE (veh_type) variable. In certain cases, other variables such as VEHICLE BODY TYPE (bodytype) and SPECIAL VEHICLE TYPE (spectype) may also be used. The variable *vtype* has the following codes:

BU=bus
LT=large truck
MC=motorcycle
PC=passenger car/station wagon
ST=Light truck.

The variable *mvtype* designates a motor vehicle of any type and has the following code:

MV=motor vehicle.[60]

STATE	VEHICLE TYPE	QUERY
California	All Motor Vehicles	`if veh_type not in ('12','14') then vtype='MV';`
	Buses	`if veh_type in ('08','09') then vtype='BU';`
	Large Trucks	`if veh_type in ('06','07') then vtype='LT';`
	Light Trucks	`if veh_type in ('04','05') then vtype='ST';`
	Motorcycles	`if veh_type in ('03','15') then vtype='MC';`
	Passenger Cars	`if veh_type in ('01','02') then vtype='PC';`
Florida	All Motor Vehicles	`if (veh_type not in ('10','25') and year in ('1990','1991','1992')) or (veh_type not in ('09','13') and year in ('1993','1994','1995','1996','1997','1998','1999')) then mvtype='MV';`
	Buses	`if (veh_type='08' and year in ('1993','1994','1995','1996','1997','1998','1999')) or (veh_type in ('16','17','18','19','20') and year in ('1990','1991','1992')) then vtype='BU';`
	Large Trucks	`if veh_type in ('05','06') or (veh_type='04' and year in ('1993','1994','1995','1996','1997','1998','1999')) or (veh_type='27' and year in ('1990','1991','1992')) then vtype='LT';`
	Light Trucks	`if veh_type='02' or (veh_type='03' and year in ('1993','1994','1995','1996','1997','1998','1999')) or (veh_type='04' and year in ('1990','1991','1992')) then vtype='ST';`
	Motorcycles	`if (veh_type in ('10','11') and year in ('1993','1994','1995','1996','1997','1998','1999')) or (veh_type in ('07','09') and year in ('1990','1991','1992')) then vtype='MC';`
	Passenger Cars	`if veh_type='01' or (veh_type='15' and year in ('1990','1991','1992')) then vtype='PC';`

[60]Non-motor vehicles are designated by missing values.

STATE	VEHICLE TYPE	QUERY
Georgia	All Motor Vehicles	`if ((year in ('1990','1991','1992','1993') and veh_type not in ('19','21')) or (year in ('1994','1995','1996','1997','1998') and veh_type ne '19')) then mvtype='MV';`
	Buses	`if veh_type='13' then vtype='BU';`
	Large Trucks	`if ((year in ('1990','1991','1992','1993') and veh_type in ('03','04','05','06','07','08','09','11','14')) or (year in ('1994','1995','1996','1997','1998') and veh_type in ('03','04','05','06','07','08','14'))) then vtype='LT';`
	Light Trucks	`if ((year in ('1990','1991','1992','1993') and veh_type in ('02','10','12')) or (year in ('1994','1995','1996','1997','1998') and veh_type in ('02','09','10','11','12'))) then vtype='ST';`
	Motorcycles	`if veh_type in ('17','18') then vtype='MC';`
	Passenger Cars	`if veh_type='01' then vtype='PC';`
Illinois	All Motor Vehicles	`mvtype='MV';`[61]
	Buses	`if (veh_type='08' and year in ('1990','1991','1992','1993','1994','1995')) or (veh_type in ('04','05') and year in ('1996','1997','1998','1999')) then vtype='BU';`
	Large Trucks	`if (veh_type in ('03','04') and year in ('1990','1991','1992','1993','1994','1995')) or (veh_type in ('06','07','08') and year in ('1996','1997','1998','1999')) then vtype='LT';`
	Light Trucks	`if (veh_type in ('05','06') and year in ('1990','1991','1992','1993','1994','1995')) or (veh_type in ('02','03','15') and year in ('1996','1997','1998','1999')) then vtype='ST';`
	Motorcycles	`if (veh_type='09' and year in ('1990','1991','1992','1993','1994','1995')) or (veh_type in ('10','11') and year in ('1996','1997','1998','1999')) then vtype='MC';`
	Passenger Cars	`if veh_type='01' or (veh_type='02' and year in ('1990','1991','1992','1993','1994','1995')) then vtype='PC';`
Indiana	All Motor Vehicles	`mvtype='MV';`[62]
	Buses	`if veh_type in ('09','10') then vtype='BU';`
	Large Trucks	`if veh_type in ('04','05','06','6A') then vtype='LT';`
	Light Trucks	`if veh_type in ('02','03') then vtype='ST';`
	Motorcycles	`if veh_type in ('14','15','17') then vtype='MC';`
	Passenger Cars	`if veh_type='01' then vtype='PC';`

[61]For Illinois, all vehicle categories are motor vehicles.

[62]For Indiana, all vehicle categories are motor vehicles.

STATE	VEHICLE TYPE	QUERY
Kansas	All Motor Vehicles	`if veh_type ne '25' then mvtype='MV';`
	Buses	`if veh_type in ('13','14','15') then vtype='BU';`
	Large Trucks	`if veh_type in ('10','11','12') then vtype='LT';`
	Light Trucks	`if veh_type in ('04','05','06') then vtype='ST';`
	Motorcycles	`if veh_type in ('02','03') then vtype='MC';`
	Passenger Cars	`if veh_type='01' then vtype='PC';`
Maryland	All Motor Vehicles	`mvtype='MV';`[63]
	Buses	`if veh_type in ('10','11','12') then vtype='BU';`
	Large Trucks	`if veh_type in ('06','07') or (year in ('1993','1994','1995','1996','1997','1998','1999') and veh_type='05') then vtype='LT';`
	Light Trucks	`if (veh_type='05' and year in ('1990','1991','1992')) or (year in ('1993','1994','1995','1996','1997','1998','1999') and veh_type in ('08','20','21')) then vtype='ST';`
	Motorcycles	`if veh_type in ('01','19') then vtype='MC';`
	Passenger Cars	`if veh_type in ('02','03') then vtype='PC';`
Michigan	All Motor Vehicles	`if year in ('1990','1991')`[64] `or (veh_type ne '00' and year in ('1992','1993','1994','1995','1996','1997','1998','1999')) then mvtype='MV';`
	Buses	`if (year in ('1990','1991') and veh_type in ('04','05')) or (year='1992' and (veh_type in ('14','23','26') or spectype='3')) or (year in ('1993','1994','1995','1996','1997','1998','1999') and spectype='3' and veh_type='11') then vtype='BU';`
	Large Trucks	`if (year in ('1990','1991') and veh_type='02' and bodytype in ('08','09','10')) or (year='1992' and veh_type in ('05','11','12','13','15','16','17','18', '19','20','21','22','24','25','27')) or (year in ('1993','1994','1995','1996','1997','1998', '1999') and veh_type='11' and spectype NE '3') then vtype='LT';`
	Light Trucks	`if (year in ('1990','1991') and veh_type='02' and bodytype in ('05','06','07')) or (year in ('1992','1993','1994','1995','1996','1997', '1998','1999') and veh_type in ('02','03','04')) then vtype='ST';`
	Motorcycles	`if (year in ('1990','1991') and veh_type='03') or (year='1992' and veh_type in ('06','07')) or (year in ('1993','1994','1995','1996','1997','1998','1999') and veh_type in ('05','06')) then vtype='MC';`
	Passenger Cars	`if veh_type='01' then vtype='PC';`

[63] For Maryland, all vehicle categories are motor vehicles.

[64] For Michigan (1990-1991), all vehicle categories are motor vehicles.

STATE	VEHICLE TYPE	QUERY
Missouri	All Motor Vehicles	`if (veh_type ne '09' and year in ('1990','1991','1992')) or (veh_type ne '11' and year in ('1993','1994','1995','1996','1997','1998','1999')) then mvtype='MV';`
	Buses	`if veh_type in ('05','06') or (veh_type='07' and year in ('1993','1994','1995','1996','1997','1998','1999')) then vtype='BU';`
	Large Trucks	`if (veh_type in ('16','17') and year in ('1990','1991','1992')) or (veh_type='15' and gvwr not in ('A','9') and year in ('1990','1991','1992')) or (veh_type in ('18','19','20') and year in ('1993','1994','1995','1996','1997','1998', '1999')) then vtype='LT';`
	Light Trucks	`if veh_type='04' or (veh_type='15' and gvwr in ('A','9') and year in ('1990','1991','1992')) or (veh_type in ('03','17') and year in ('1993','1994','1995','1996','1997','1998', '1999')) then vtype='ST';`
	Motorcycles	`if veh_type='08' or (veh_type in ('07','18','19') and year in ('1990','1991','1992')) or (veh_type in ('10','21','22','23','24') and year in ('1993','1994','1995',1996','1997','1998','1999')) then vtype='MC';`
	Passenger Cars	`if veh_type in ('01','02') or (veh_type='03' and year in ('1990','1991','1992')) then vtype='PC';`
New Mexico	All Motor Vehicles	`mvtype='MV';`[65]
	Buses	`if bodytype in ('BS','BP','BU') or (bodytype=' ' and model in ('BS','BP','BU')) or (bodytype=' ' and model=' ' and veh_type in ('BS','BP','BU')) then vtype='BU';`
	Large Trucks	`if bodytype in ('CB','CL','CM','CS','DP','DS','FB','FT','GG','ST', 'TA','TN','TR','TT') or (bodytype in (' ','TK') and model in ('CB','CL','CM','CS','DP','DS','FB','FT','GG','ST', 'TA','TN','TR','TT')) or (bodytype in (' ','TK') and model in (' ','TK') and veh_type in ('CB','CL','CM','CS','DP','DS','FB','FT','GG','ST', 'TA','TN','TR','TT')) then vtype='LT';`

[65] For New Mexico, all vehicle categories are motor vehicles. For the bus, large truck, light truck, motorcycle, and passenger car queries, using only the first of the three *OR* conditions provides a reasonable approximation.

STATE	VEHICLE TYPE	QUERY
New Mexico (Cont.)	Light Trucks	`if bodytype in ('JP','PK','PU','PM','PN','VN','WG','UT','SV','VT') or (bodytype in (' ','TK') and model in ('JP','PK','PU','PM','PN','VN','WG','UT','SV','VT')) or (bodytype in (' ','TK') and model in (' ','TK') and veh_type in ('JP','PK','PU','PM','PN','VN','WG','UT','SV','VT')) then vtype='ST';`
	Motorcycles	`if bodytype='MC' or (bodytype=' ' and model='MC') or (bodytype=' ' and model=' ' and veh_type='MC') then vtype='MC';`
	Passenger Cars	`if bodytype in ('CV','CP','HT','LM','RD','RH','SD','2D','2H','2T', '3D','3H','3T','4D','4H','4T','SW') or (bodytype=' ' and model in ('CV','CP','HT','LM','RD','RH','SD','2D','2H','2T', '3D','3H','3T','4D','4H','4T','SW')) or (bodytype=' ' and model=' ' and veh_type in ('CV','CP','HT','LM','RD','RH','SD','2D','2H','2T', '3D','3H','3T','4D','4H','4T','SW')) then vtype='PC';`
North Carolina	All Motor Vehicles	`if veh_type not in (18,21) then mvtype='MV';`
	Buses	`if veh_type in (4,5,6) then vtype='BU';`
	Large Trucks	`if veh_type in (8,9,10,24) then vtype='LT';`
	Light Trucks	`if veh_type in (3,7,23,25) then vtype='ST';`
	Motorcycles	`if veh_type in (14,15,16) then vtype='MC';`
	Passenger Cars	`if veh_type in (1,2,11) then vtype='PC';`
Ohio	All Motor Vehicles	`if veh_type not in ('24','29','30','31') then mvtype='MV';`
	Buses	`if veh_type in ('16','17','18') then vtype='BU';`
	Large Trucks	`if veh_type in ('07','08','09','10','11','33','34') then vtype='LT';`
	Light Trucks	`if veh_type in ('05','06') then vtype='ST';`
	Motorcycles	`if veh_type in ('12','13','14','15') then vtype='MC';`
	Passenger Cars	`if veh_type in ('01','02','03','04','22') then vtype='PC';`
Pennsylvania	All Motor Vehicles	`if veh_type in ('1','2','3','4','5') or (veh_type='6' and bodytype not in ('90','91','92','93','94','95','96','97','98')) then mvtype='MV';`
	Buses	`if veh_type='3' then vtype='BU';`
	Large Trucks	`if veh_type='5' then vtype='LT';`
	Light Trucks	`if veh_type='4' then vtype='ST';`
	Motorcycles	`if veh_type='2' then vtype='MC';`
	Passenger Cars	`if veh_type='1' then vtype='PC';`

STATE	VEHICLE TYPE	QUERY
Texas	All Motor Vehicles	`mvtype='MV';`[66]
	Buses	`if veh_type in ('11','12') then vtype='BU';`
	Large Trucks	`if veh_type in ('04','05','06','07','08') and ((year in ('1990','1991','1992','1993','1994','1995') and bodytype='33') or bodytype in ('++','20','21','22','23','24','25','26','27','28', '31','32','34','36','37','39') or (bodytype='40' and veh_type in ('05','06','07','08'))) then vtype='LT';`
	Light Trucks	`if veh_type in ('04','05','06','07','08') and ((year in ('1996','1997','1998','1999') and bodytype='33') or bodytype in ('29','30','35','38') or (bodytype='40' and veh_type='04')) then vtype='ST';`
	Motorcycles	`if veh_type in ('13','14','16') then vtype='MC';`
	Passenger Cars	`if veh_type in ('01','02','03') then vtype='PC';`
Utah	All Motor Vehicles	`mvtype='MV';`[67]
	Buses	`if veh_type in ('17','18') then vtype='BU';`
	Large Trucks	`if veh_type in ('13','14','15','16','31','32','33','34','35','36', '37','38','41','44','47','48','49','50','51') or veh_type='39' and year in ('1990','1991','1992','1993','1994')) then vtype='LT';`
	Light Trucks	`if veh_type in ('07','08','09','10','11','12','27','43') or (veh_type='40' and year in ('1990','1991','1992','1993', '1994')) then vtype='ST';`
	Motorcycles	`if veh_type in ('19','20','21') or (veh_type='30' and year in ('1990','1991','1992','1993','1994')) then vtype='MC';`
	Passenger Cars	`if veh_type in ('01','02','03','04','05','06','42') then vtype='PC';`
Virginia	All Motor Vehicles	`if veh_type ne '09' then mvtype='MV';`
	Buses	`if veh_type in ('13','14','15') then vtype='BU';`
	Large Trucks	`if veh_type in ('04','05','06') then vtype='LT';`
	Light Trucks	`if veh_type in ('02','03') then vtype='ST';`
	Motorcycles	`if veh_type in ('10','11') then vtype='MC';`
	Passenger Cars	`if veh_type='01' then vtype='PC';`
Washington	All Motor Vehicles	`mvtype='MV';`[68]
	Buses	`if veh_type in ('10','11') then vtype='BU';`
	Large Trucks	`if veh_type in ('03','04','05','06','07') then vtype='LT';`
	Light Trucks	`if veh_type='02' then vtype='ST';`
	Motorcycles	`if veh_type in ('12','13','15') then vtype='MC';`
	Passenger Cars	`if veh_type in ('01','09') then vtype='PC';`

[66] For Texas, all vehicle categories are motor vehicles.
[67] For Utah, all vehicle categories are motor vehicles.
[68] For Washington, all vehicle categories are motor vehicles.

Use of Proc Freq for Data Table Generation

The SAS *PROC FREQ* procedure is used to generate the data tables. The example below generates a frequency table corresponding to the information for California in Table 4 “Motor Vehicle Crashes by Crash Type and Crash Severity”.

```
proc freq data=test.apool;
 tables year*sev*ctype /list sparse[69] out=crashtyp[70];
run;
```

Single/Multiple Vehicle Crashes: California 1990-1999

Year	Sev	Ctype	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1990	1	M	2,989	0.06	2,989	0.06
1990	1	S	1,669	0.03	4,658	0.10
1990	2	M	196,025	4.01	200,683	4.10
1990	2	S	40,491	0.83	241174	4.93
1990	3	M	254,664	5.21	495,838	10.14
1990	3	S	55,993	1.14	551,831	11.28
1991	1	M	2,673	0.05	554,504	11.34
1991	1	S	1,491	0.03	555,995	11.37
1991	2	M	185,976	3.80	741,971	15.17
1991	2	S	38,028	0.78	779,999	15.95
1991	3	M	233,204	4.77	1,013,203	20.72
1991	3	S	53,018	1.08	1,066,221	21.80
1992	1	M	2,425	0.05	1,068,646	21.85
1992	1	S	1,282	0.03	1,069,928	21.88
1992	2	M	179,848	3.68	1,249,776	25.56
1992	2	S	35,224	0.72	1,285,000	26.28
1992	3	M	221,068	4.52	1,506,068	30.80
1992	3	S	51,161	1.05	1,557,229	31.84

[69] SAS options are specified after the “/”. *LIST* is an alternative output format for *PROC FREQ*. The *SPARSE* option adds combinations of variables to the output data set that do not exist in the initial data set. This is useful when combinations whose frequency count=0 are needed in the final data set for tabulation purposes.

[70] The *OUT=* option allows the frequency table information to be output to a summary data set. In the production code, the creation of output data sets using *PROC FREQ* was automated using macro *DO* loops and macro variables; appropriate final data sets were then exported to spreadsheets for presentation. The *OUT=* option can be omitted in the example.

Year	Sev	Ctype	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1993	1	M	2,436	0.05	1,559,665	31.89
1993	1	S	1,242	0.03	1,560,907	31.92
1993	2	M	170,252	3.48	1,731,159	35.40
1993	2	S	32,404	0.66	1,763,563	36.06
1993	3	M	218,471	4.47	1,982,034	40.53
1993	3	S	52,685	1.08	2,034,719	41.61
1994	1	M	2,503	0.05	2,037,222	41.66
1994	1	S	1,269	0.03	2,038,491	41.68
1994	2	M	170,842	3.49	2,209,333	45.18
1994	2	S	32,381	0.66	2,241,714	45.84
1994	3	M	218,989	4.48	2,460,703	50.32
1994	3	S	54,109	1.11	2,514,812	51.42
1995	1	M	2,405	0.05	2,517,217	51.47
1995	1	S	1,231	0.03	2,518,448	51.50
1995	2	M	164,877	3.37	2,683,325	54.87
1995	2	S	31,692	0.65	2,715,017	55.52
1995	3	M	216,430	4.43	2,931,447	59.94
1995	3	S	55,123	1.13	2,986,570	61.07
1996	1	M	2,322	0.05	2,988,892	61.12
1996	1	S	1,233	0.03	2,990,125	61.14
1996	2	M	162,420	3.32	3,152,545	64.46
1996	2	S	31,385	0.64	3,183,930	65.10
1996	3	M	222,056	4.54	3,405,986	69.64
1996	3	S	56,269	1.15	3,462,255	70.80
1997	1	M	2,150	0.04	3,464,405	70.84
1997	1	S	1,102	0.02	3,465,507	70.86
1997	2	M	155,846	3.19	3,621,353	74.05
1997	2	S	30,106	0.62	3,651,459	74.66
1997	3	M	220,301	4.50	3,871,760	79.17
1997	3	S	54,389	1.11	3,926,149	80.28

Year	Sev	Ctype	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1998	1	M	2,009	0.04	3,928,158	80.32
1998	1	S	1,066	0.02	3,929,224	80.34
1998	2	M	158,778	3.25	4,088,002	83.59
1998	2	S	30,229	0.62	4,118,231	84.21
1998	3	M	232,285	4.75	4,350,516	88.96
1998	3	S	58,241	1.19	4,408,757	90.15
1999	1	M	1,979	0.04	4,410,736	90.19
1999	1	S	1,165	0.02	4,411,901	90.21
1999	2	M	159,172	3.25	4,571,073	93.47
1999	2	S	29,558	0.60	4,600,631	94.07
1999	3	M	235,864	4.82	4,836,495	98.90
1999	3	S	54,026	1.10	4,890,521	100.00

Other data tables are generated in a similar fashion using the appropriate data sets and variables. For example, the information for California in Table 49 “Passenger Car and Light Truck Occupants Killed or Injured by Restraint Use and Person Type” can be generated using the following *PROC FREQ* statements:

```
proc freq data=test.vcpool;
  tables year*pinj*rest*ptype /list sparse;
  title1 “INJURY STATUS BY PERSON TYPE AND RESTRAINT USE, CALIFORNIA 1990-1999”;
  title2 “OCCUPANTS OF CARS AND LIGHT TRUCKS”;
 run;

 proc freq data=test.vcpool;
  tables  year*pinj*rest /list sparse;
  title1 “INJURY STATUS BY RESTRAINT USE, CALIFORNIA 1990-1999”;
  title2 “OCCUPANTS OF CARS AND LIGHT TRUCKS”;
 run;

 proc freq data=test.vcpool;
  tables year*pinj /list sparse;
  title1 “INJURY STATUS, OCCUPANTS OF CARS AND LIGHT TRUCKS, CALIFORNIA 1990-1999”;
 run;
```

Supplemental Information

This section describes additional technical procedures used to generate the data herein.

Use of Macros

When incorporating the queries above in the state processing code, it is convenient to encapsulate them in a SAS construct termed a macro that, in its simplest form, is equivalent to a subroutine in other programming languages. A macro begins with the statement *%MACRO* and ends with the statement *%MEND*. For example, the code that assigns a year to each observation in the data set can be encapsulated in a macro and invoked multiple times[71] while specifying the code only once:

```
%macro assignyr[72];
 if y90 then year='1990'; else if y91 then year='1991'; else if y92 then year='1992';
 else if y93 then year='1993'; else if y94 then year='1994';
 else if y95 then year='1995'; else if y96 then year='1996';
 else if y97 then year='1997'; else if y98 then year='1998'; else year='1999';
%mend assignyr;

/* creation of pooled crash data set */
data test.apool (keep=caseno ctype daynight num_fat num_inj rollover sev wend1 year);
 set missouri.mo90acc (in=y90) missouri.mo91acc (in=y91) missouri.mo92acc (in=y92)
     missouri.mo93acc (in=y93) missouri.mo94acc (in=y94) missouri.mo95acc (in=y95)
     missouri.mo96acc (in=y96) missouri.mo97acc (in=y97) missouri.mo98acc (in=y98)
     missouri.mo99acc;
 %assignyr[73]
run;
```

Procedure Used When Case Numbers are Not Unique Between State Years

In certain instances, the identifying variable ACCIDENT NUMBER (caseno) is not unique between years. This will cause errors in subsequent MERGE operations. The macro below can be used to create unique case numbers.

```
%macro uniqcase;
length temp $6;[74]
temp=caseno;
casenum=year||temp;[75]
%mend uniqcase;
```

[71] The %assignyr macro can be invoked during the build of the Crash, Vehicle, and Person data sets.

[72] When first declaring a macro, it must be given a name in order to reference it later.

[73] Note that a semicolon is generally not needed as in other SAS statements. Adding a trailing semicolon will not affect correct operation of the macros needed herein.

[74] Note that the length needed depends on the length of the case numbers in the state under consideration. The following states require the macro `%uniqcase` (the recommended length is given in parentheses): California, Washington (6), Florida, Illinois, Maryland, Michigan, New Mexico, Utah (10), Georgia (25). The long length for Georgia is due to a long case number for 1998.

[75] Note that the derived variable *casenum* replaces the variable ACCIDENT NUMBER (caseno) and is used in any subsequent SET or MERGE operations needed (i.e., use "`by casenum`" and "`by casenum vehno`" as appropriate). The symbol '||' is the SAS concatenation operator.

The following code illustrates the method for California.[76]

```
/* creation of pooled crash data set */
 data test.apool;
  set calif.ca90acc calif.ca91acc calif.ca92acc calif.ca93acc calif.ca94acc
      calif.ca95acc calif.ca96acc calif.ca97acc calif.ca98acc calif.ca99acc;
  %assignyr
  %uniqcase[77]
 run;
```

Using the Queries with Primary Data Sets

The following SAS code illustrates the use of the person type query for California.

```
%macro pertype;
 if loc='1' then ptype='DR';
    else if loc='2' then ptype='PD';
      else if loc='4' then ptype='PC';
        else if loc in ('6','7') then ptype='PA';
          else ptype='OT';
%mend pertype;

/* creation of pooled person data set */
 data test.ppool;
  set calif.ca90per calif.ca91per calif.ca92per calif.ca93per calif.ca94per
      calif.ca95per calif.ca96per calif.ca97per calif.ca98acc calif.ca99per;
  %assignyr
  %uniqcase
  %pertype
 run;
```

Note that the code above using macros is equivalent to the code below:

```
/* creation of pooled person data set */
 data test.ppool;
  set calif.ca90per calif.ca91per calif.ca92per calif.ca93per calif.ca94per
      calif.ca95per calif.ca96per calif.ca97per calif.ca98acc calif.ca99per;
  if y90 then year='1990'; else if y91 then year='1991'; else if y92 then year='1992';
  else if y93 then year='1993'; else if y94 then year='1994';
  else if y95 then year='1995'; else if y96 then year='1996';
  else if y97 then year='1997'; else if y98 then year='1998'; else year='1999';
  length temp $6;
  temp=caseno;
  casenum=year||temp;
  if loc='1' then ptype='DR';
   else if loc='2' then ptype='PD';
    else if loc='4' then ptype='PC';
     else if loc in ('6','7') then ptype='PA';
      else ptype='OT';
  run;
```

[76] Note that the macro %assignyr must precede the macro %uniqcase since the variable year, created in %assignyr, is needed in %uniqcase.

[77] Note that if this procedure is used for one of the primary data sets, it must be used for all primary data sets (Crash, Vehicle, and Person).

Using the Queries with Secondary Data Sets

The following code illustrates the use of queries with secondary data sets. Note that the derived variable *ptype* for North Carolina uses information contained in both the Vehicle and Person data sets.

```
%macro pertype;
if seatpos=1 then do;
 if veh_type=18 then ptype='PC';
 else if veh_type=21 then ptype='PD';
 else ptype='DR';
 end;
else if seatpos in (2,3,4,5,6) then ptype='PA';
else ptype='OT';
%mend pertype;

data test.vppool;
 merge test.vpool test.ppool (in=A);
 by caseno vehno;
 if A;
 %pertype
run;
```

Removal of Inconsistent Observations

In certain instances, a small number of inconsistent observations were removed from the data sets before processing. These deleted observations fall into two categories: 1) multiple observations with the same key (i.e., multiple cases with identical case numbers, cases with multiple vehicles with identical vehicle numbers), and 2) cases without matching vehicles in the Vehicle data set, or vehicles without matching cases in the Crash data set. The code below illustrates the method for the testing of Illinois data 1990-1999.

```
/* test for duplicate accident records in 1990-1999 */
%macro acctotal;
%do i=90 %to 99;[78]
 data test.ilcdup&i;
  set illinois.il&i.acc;[79]
  by caseno;
  retain ctotal 0;
  if first.caseno then ctotal=0;
  ctotal+1;
  if last.caseno and ctotal>1 then output;
 run;
%end;
%mend acctotal;
```

[78] This is an example of a SAS %*DO* loop using macro variables. The SAS keywords %*DO*, %*TO*, and %*END* are similar to counter loops in other programming languages, and to the corresponding *DO*, *TO*, and *END* reserved words in normal SAS code. The % symbol must be used since the inner portion of the loop references the macro counter variable i (as &i). Note that the loop runs 10 times. In the first iteration, the macro variable i=90, the initial data set is il90acc, and the resultant data set containing duplicate case numbers is ilcdup90. For testing Georgia, use "`%do i=90 %to 98;`". For testing North Carolina use "`%do i=92 %to 99;`". For testing Washington, use "`%do i=90 %to 96;`".

[79] Change this line appropriately for other states, e.g. for Missouri use "`set missouri.mo&i.acc;`".

```
%acctotal /* invokes the macro */

/* test for duplicate vehicle records in 1990-1999  */
%macro vehtotal;
%do i=90 %to 99;
 data temp (keep=caseno);
  set illinois.il&i.veh;
  by caseno vehno;
  retain vtotal 0;
  if first.vehno then vtotal=0;
  vtotal+1;
  if last.vehno and vtotal>1 then output;
 run;

 data test.ilvdup&i (keep=caseno);
  set temp;
  by caseno;
  if first.caseno then output;
 run;
%end;
%mend vehtotal;

%vehtotal /* invokes the macro */

/*  test for missing accident records and vehicle records for 1990-1999  */
%macro missing;
%do i=90 %to 99;
 data temp (keep=caseno);
  merge illinois.il&i.acc (in=A) illinois.il&i.veh (in=B);
  by caseno;
  if A and B then delete;
 run;

 data test.ilmiss&i (keep=caseno);
  set temp;
  by caseno;
  if first.caseno then output;
 run;
%end;
%mend missing;

%missing /* invokes the macro */
```

The resultant data sets in the code above are built regardless of whether the initial data sets are consistent or not. Tests on consistent data sets will contain the appropriate data vectors but will have no observations. If any inconsistent case numbers are found[80], the case numbers in the individual output data sets (e.g., ilcdup90) can be combined into one data set using the *SET* statement. Duplicate case numbers should be removed using the statement “if first.caseno then output;” as in previous examples. Finally, the resultant set of bad case numbers is used in a conditional merge with each of the primary data sets (Crash, Vehicle, Person) to remove the bad case numbers from subsequent processing.

[80] Consult the SAS LOG after running the programs to determine the error data sets with observations.

For example, the code below removes bad case numbers contained in a data set named errors from the primary Crash data set (apool).

```
data test.apool;
 merge errors (in=A) test.apool;
if A then delete;
run;
```

Suggestions for Efficient Data Processing

Judicious use of the SAS *KEEP* statement can dramatically reduce processing time when creating and merging the pooled data sets. The *KEEP* statement can be used with data sets in the *DATA*, *SET*, and *MERGE* statements. The following code illustrates the method with the creation of the California Person data set.

```
%macro alc3;[81]
if alc_drug in ('2','3','4') then alcohol3=1;
 else alcohol3=0;
%mend alc3;

data test.ppool (keep=casenum vehno pinj ptype stype age age1 alcohol3 rest year child);
  set calif.ca90per (in=y90 keep=caseno vehno inj age sex loc pos rest1 alc_drug)
      calif.ca91per (in=y91 keep=caseno vehno inj age sex loc pos rest1 alc_drug)
      calif.ca92per (in=y92 keep=caseno vehno inj age sex loc pos rest1 alc_drug)
      calif.ca93per (in=y93 keep=caseno vehno inj age sex loc pos rest1 alc_drug)
      calif.ca94per (in=y94 keep=caseno vehno inj age sex loc pos rest1 alc_drug)
      calif.ca95per (in=y95 keep=caseno vehno inj age sex loc pos rest1 alc_drug)
      calif.ca96per (in=y96 keep=caseno vehno inj age sex loc pos rest1 alc_drug)
      calif.ca97per (in=y97 keep=caseno vehno inj age sex loc pos rest1 alc_drug)
      calif.ca98per (in=y98 keep=caseno vehno inj age sex loc pos rest1 alc_drug)
      calif.ca99per (in=y99 keep=caseno vehno inj age sex loc pos rest1 alc_drug);
  %assignyr
  %uniqcase
  %alc3     /* alcohol */
  %perinj   /* injury severity */
  %pertype  /* person type */
  %sextype  /* sex */
  %agecalc  /* age */
  %safety   /* restraint use */
  %child    /* child restraint use */
 run;
```

[81] The macros referenced in the creation of the Person data set can be created using the queries listed earlier. For example, the information needed to create the macro `%perinj` can be found in the "Injury Severity" section of "Creation of Derived Variables". The alcohol query is contained here as an example. The macros `%assignyr` and `%uniqcase` were referenced earlier in this appendix.

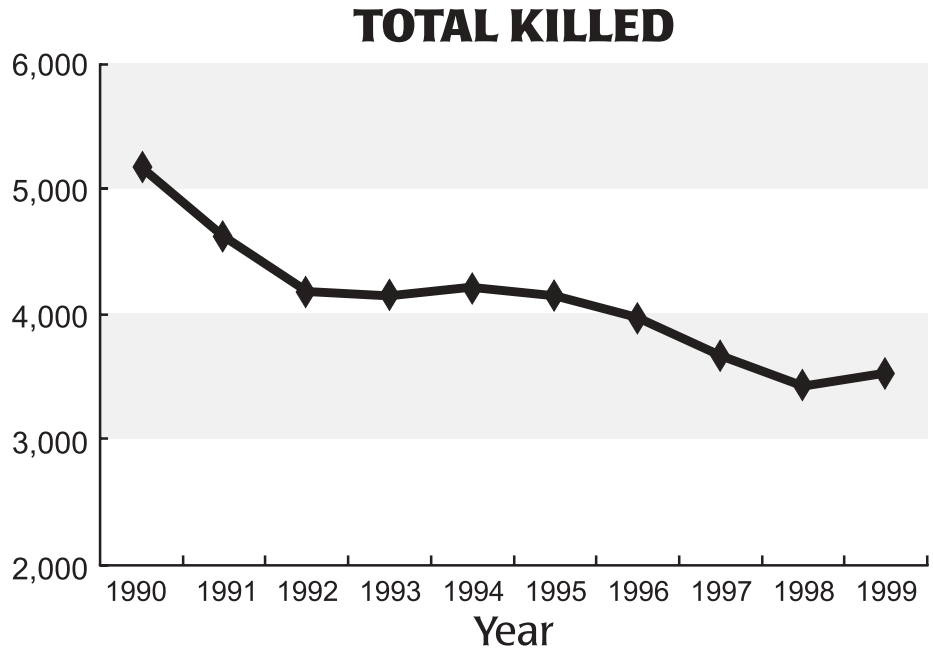
In the code above, the *KEEP* statements used in the *SET* statement result in faster processing because SAS will only search for the variables listed in the *KEEP* statement when processing observations. The *KEEP* statement in the *DATA* statement results in a dramatically smaller resultant data set since only the variables listed are kept in the data vector. In this example, all the variables that are kept are derived variables excepting VEHICLE NUMBER (vehno), used in merging operations, and the variable AGE (age), which is needed for creating the Young Driver, Older Driver and Child data sets. The analogous SAS *DROP* statement is also useful.

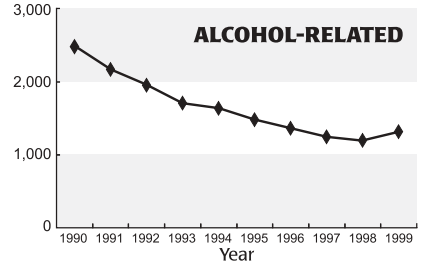
Another useful procedure for improving processing time is to build multiple data sets in a single DATA step. The method is illustrated using the Crash-Person data set.

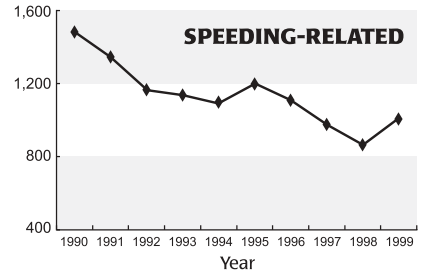
```
 data test.ped (keep=pinj itype age1 year) /* pedestrians */
      test.driver (keep=pinj age1 year) /* all drivers */
      test.yngdr (keep=sev stype year) /* young drivers */
      test.olddr (keep=sev stype year); /* older drivers */
  set test.appool;
  if ptype='PD' then output test.ped;
  if ptype='DR' then do;
   output test.driver;
   if 15 le age le 20 then output test.yngdr;
   if 70 le age le 99 then output test.olddr;/* this condition is state-specific */
   end;
run;
```

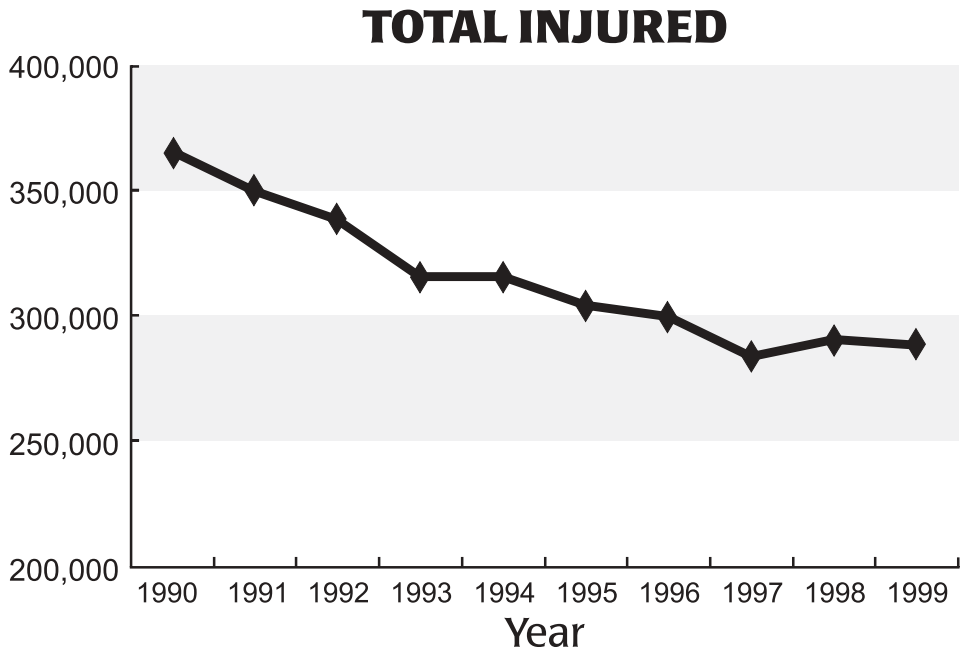
Fatalities and Injuries by State – Total, Alcohol, and Speeding

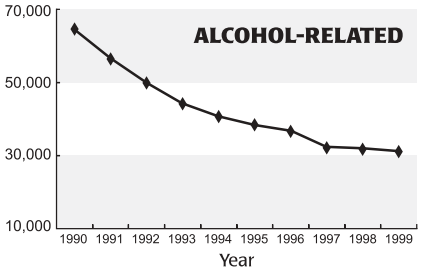
California

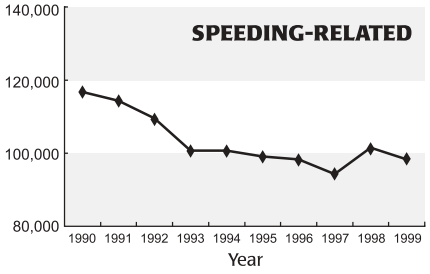




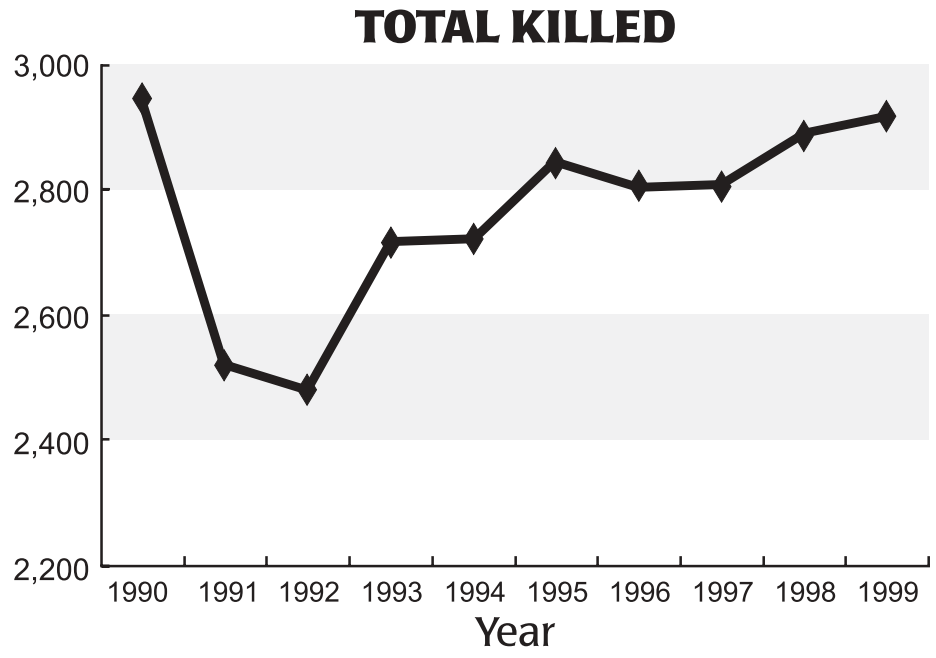


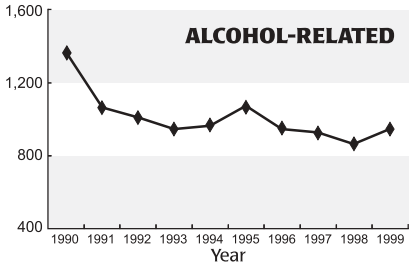


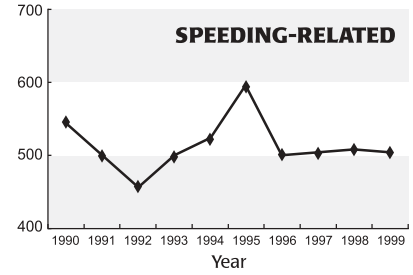


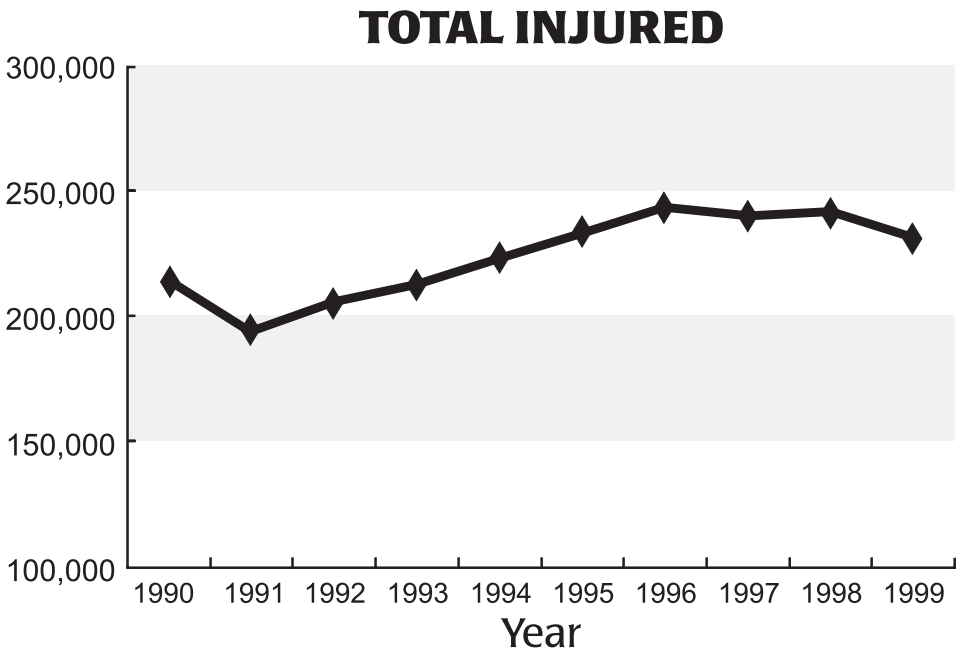


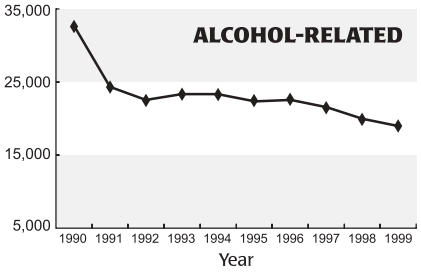
Florida

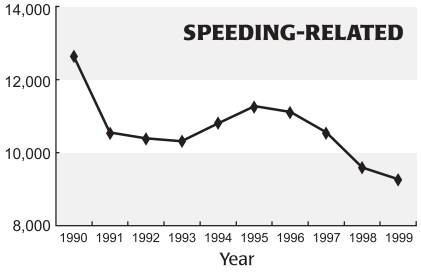

TOTAL KILLED
3,000
2,800
2,600
2,400
2,200
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year


ALCOHOL-RELATED
1,600
1,200
800
400
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year

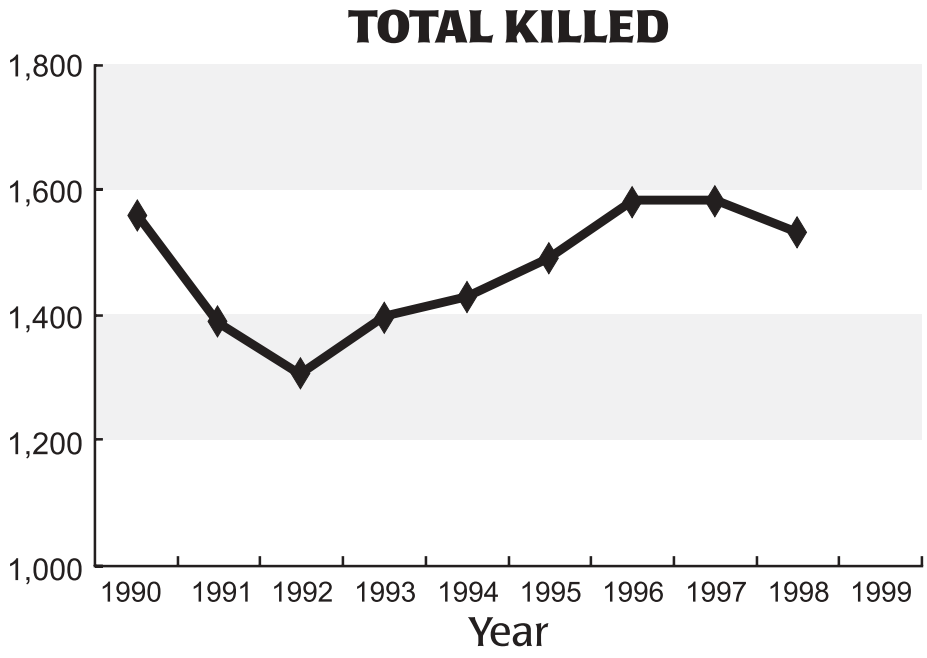

SPEEDING-RELATED
700
600
500
400
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year

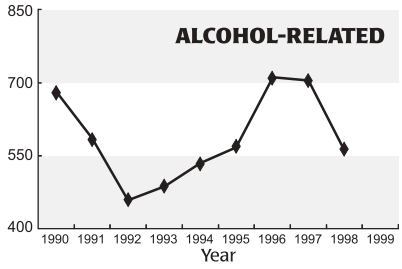

TOTAL INJURED
300,000
250,000
200,000
150,000
100,000
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year

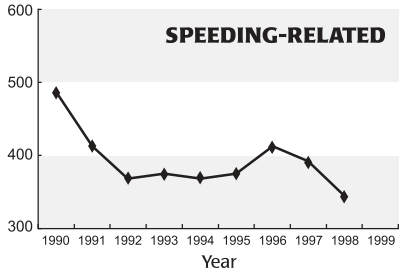

ALCOHOL-RELATED
35,000
25,000
15,000
5,000
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year

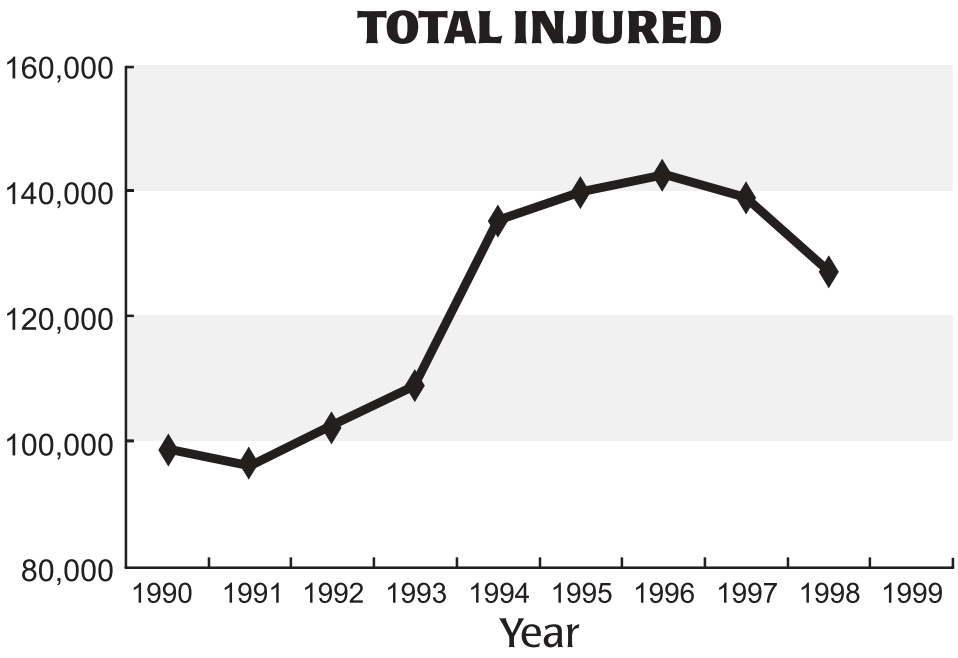

SPEEDING-RELATED
14,000
12,000
10,000
8,000
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year

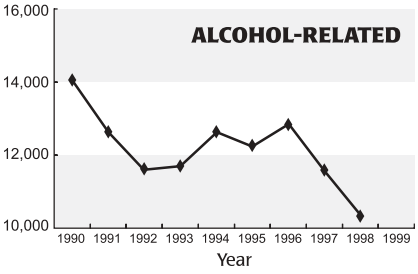
Georgia

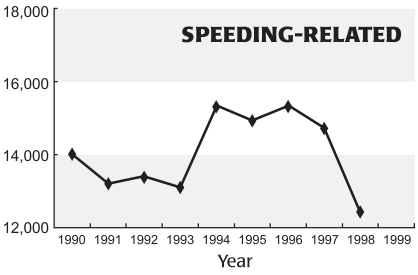

TOTAL KILLED
1,800
1,600
1,400
1,200
1,000
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year


ALCOHOL-RELATED
850
700
550
400
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year

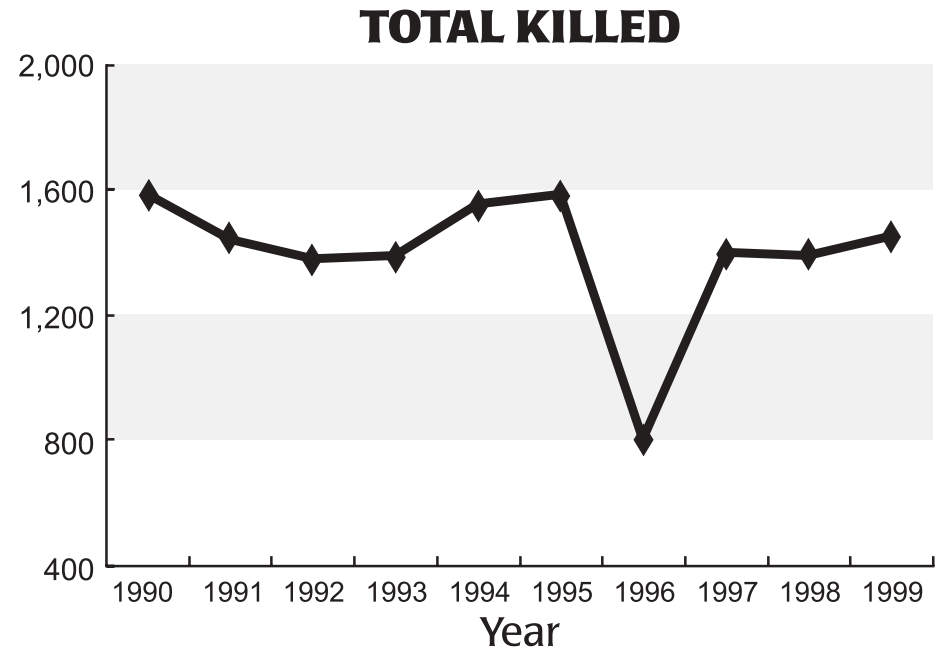

SPEEDING-RELATED
600
500
400
300
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year

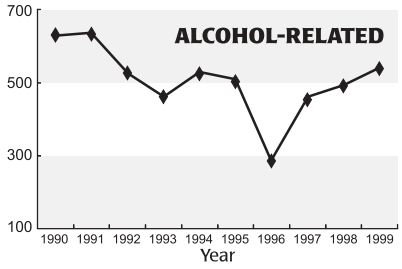

TOTAL INJURED
160,000
140,000
120,000
100,000
80,000
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year

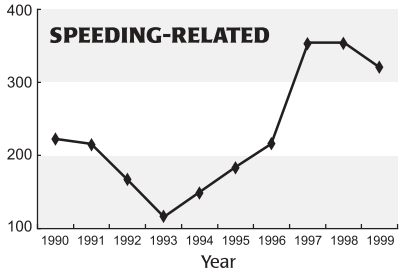

ALCOHOL-RELATED
16,000
14,000
12,000
10,000
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year

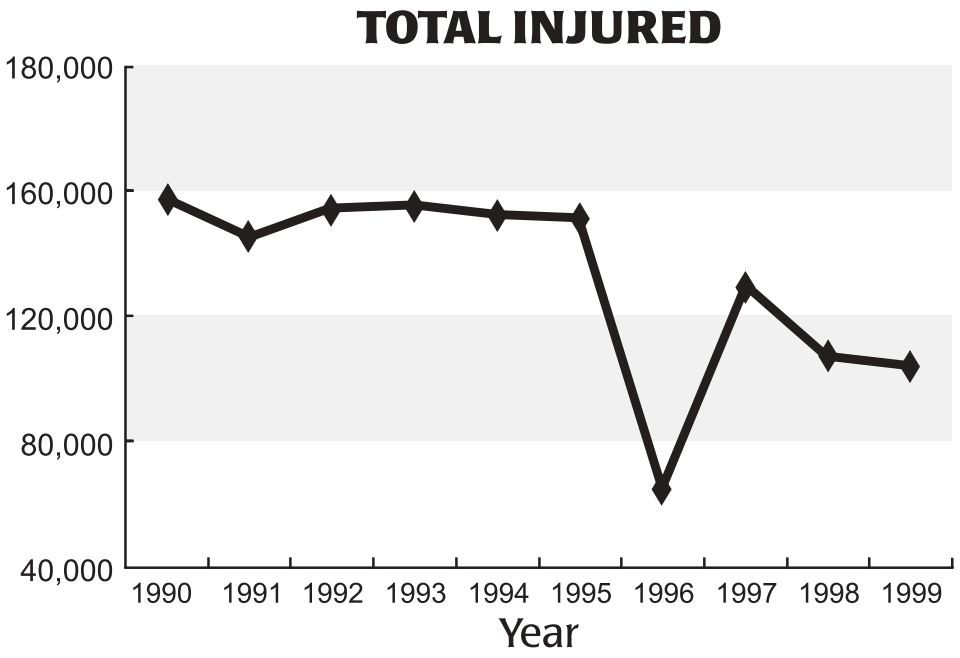

SPEEDING-RELATED
18,000
16,000
14,000
12,000
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year

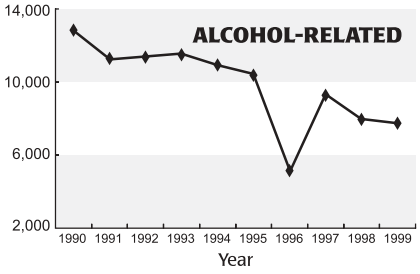
Illinois

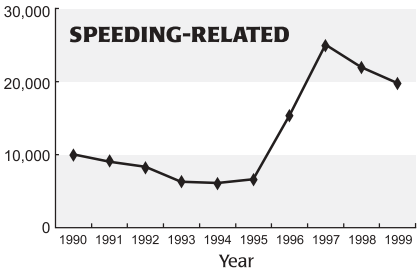

TOTAL KILLED
2,000
1,600
1,200
800
400
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year


ALCOHOL-RELATED
700
500
300
100
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year

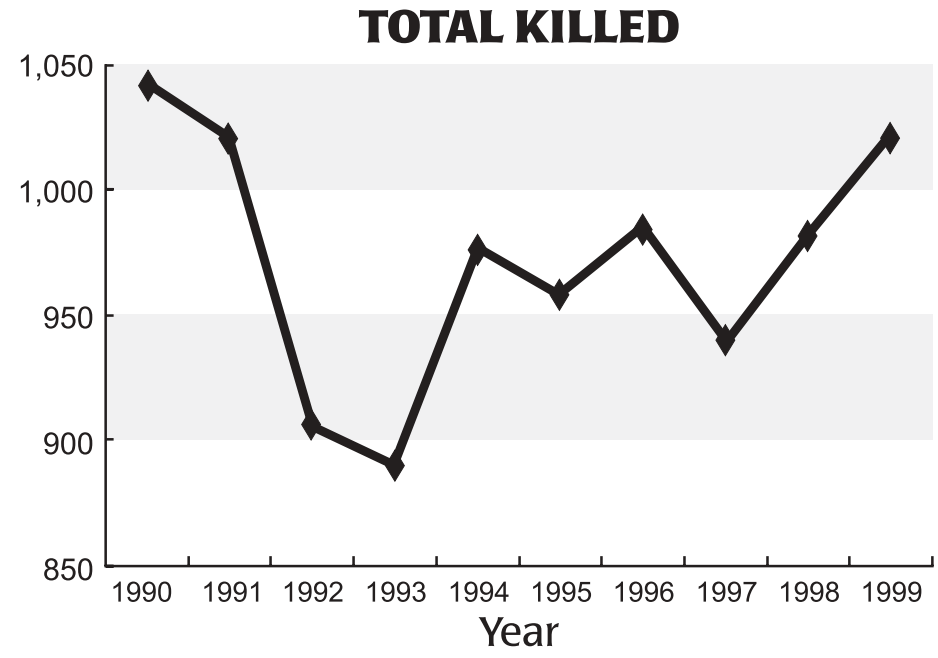

SPEEDING-RELATED
400
300
200
100
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year


TOTAL INJURED
180,000
160,000
120,000
80,000
40,000
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year

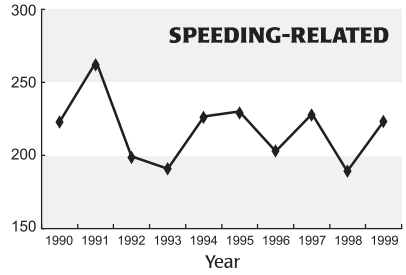

ALCOHOL-RELATED
14,000
10,000
6,000
2,000
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year

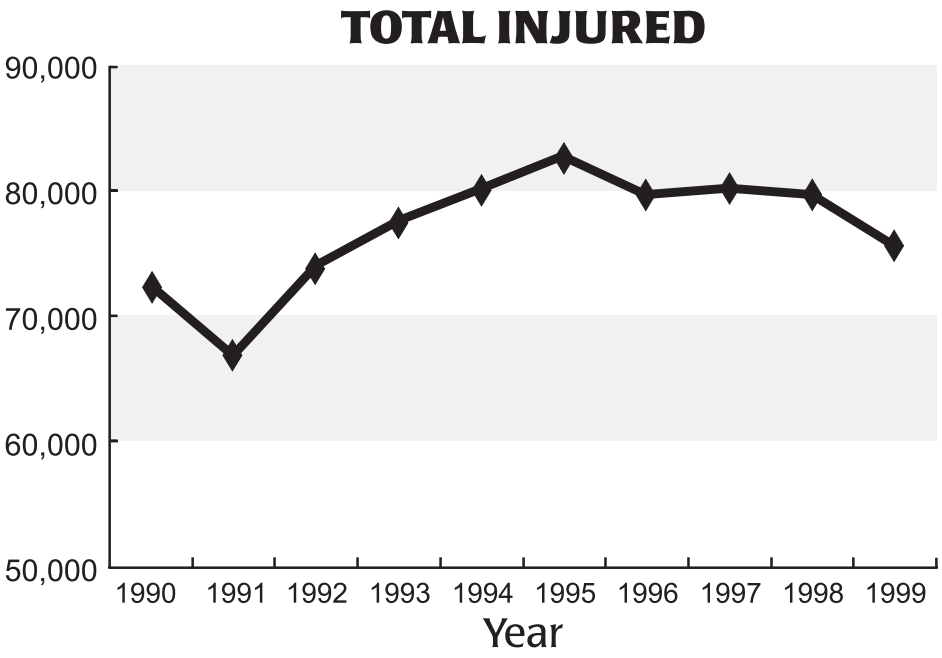

SPEEDING-RELATED
30,000
20,000
10,000
0
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year

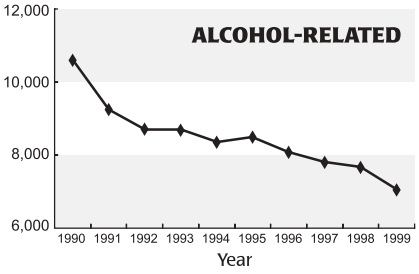
Indiana

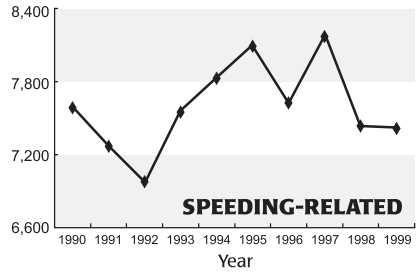

TOTAL KILLED
1,050
1,000
950
900
850
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year

ALCOHOL-RELATED
450
350
250
150
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year

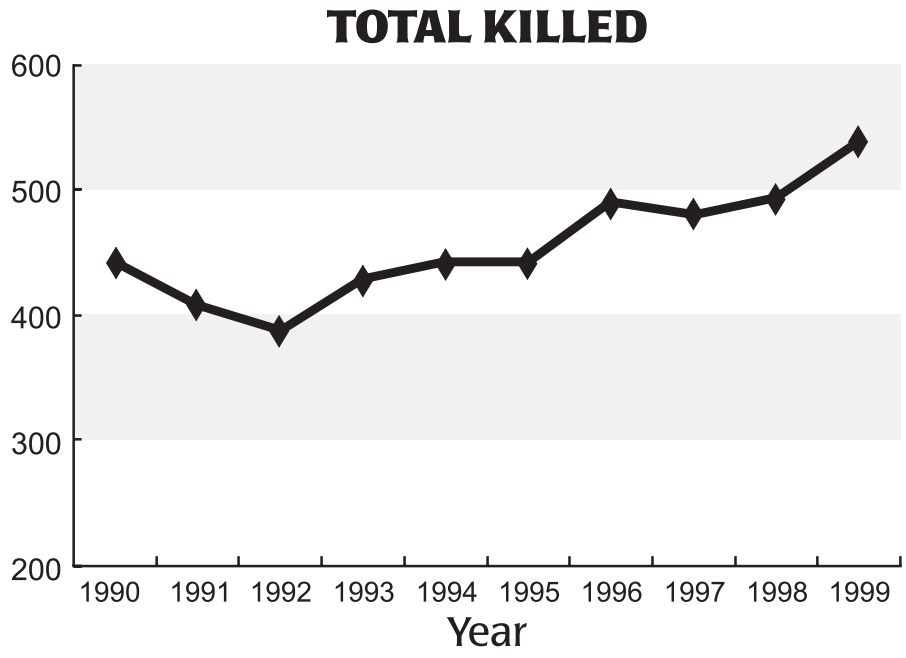

SPEEDING-RELATED
300
250
200
150
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year

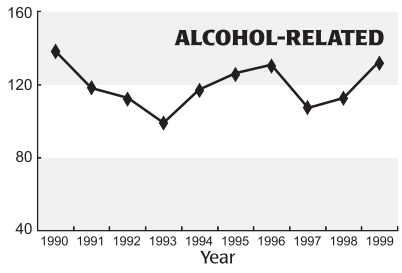

TOTAL INJURED
90,000
80,000
70,000
60,000
50,000
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year

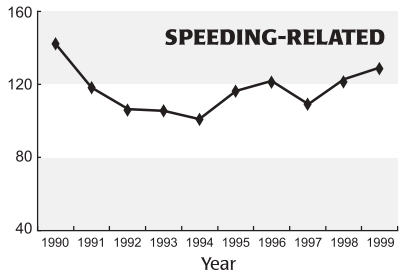

ALCOHOL-RELATED
12,000
10,000
8,000
6,000
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year

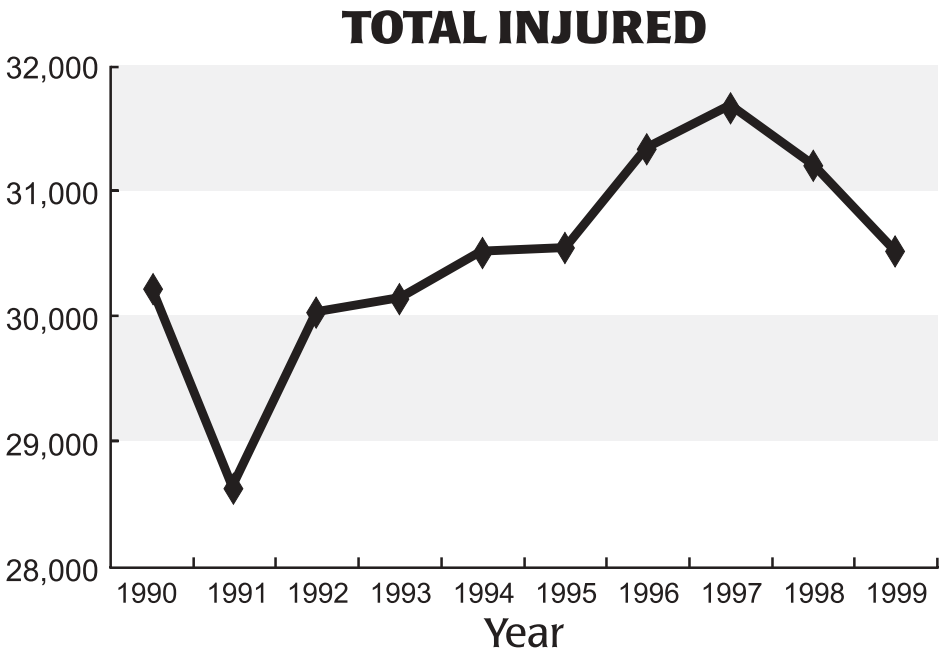

SPEEDING-RELATED
8,400
7,800
7,200
6,600
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year

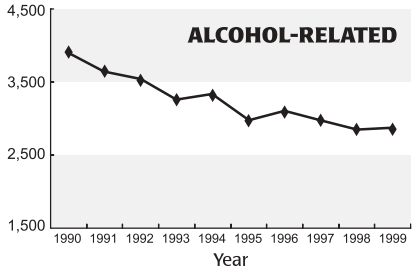
Kansas

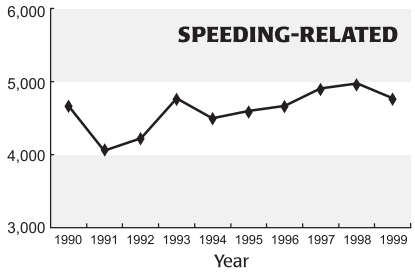

TOTAL KILLED
600
500
400
300
200
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year


ALCOHOL-RELATED
160
120
80
40
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year

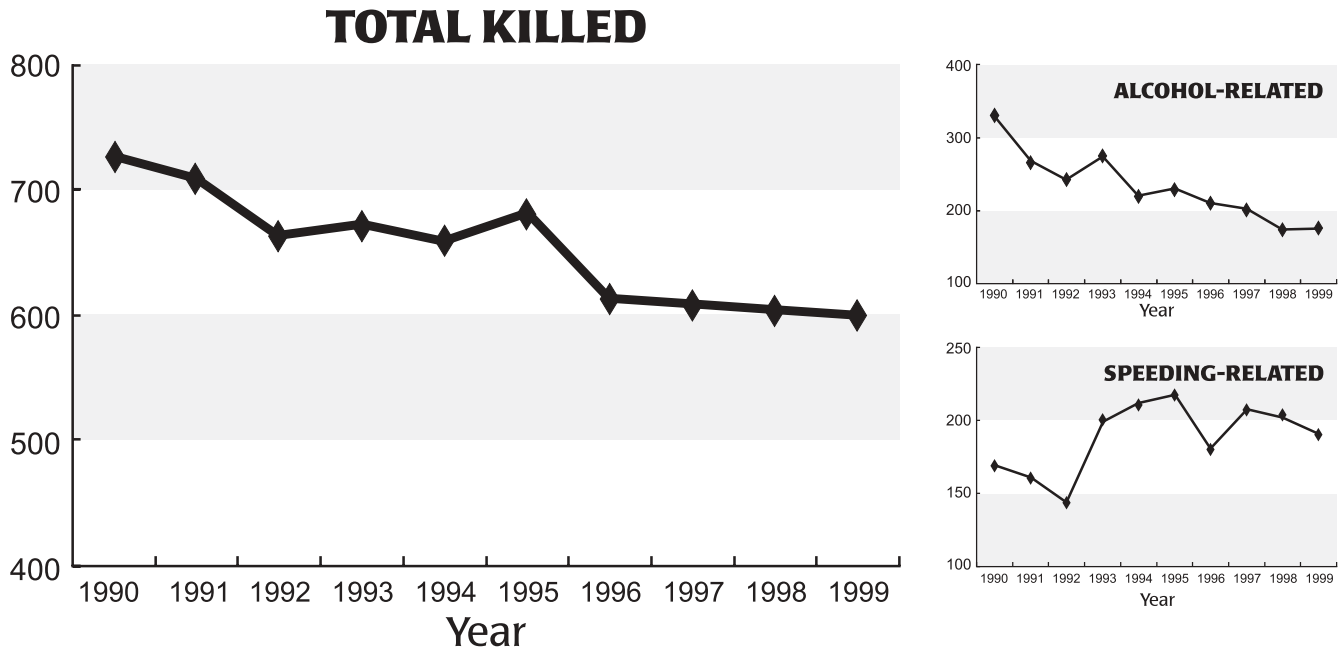

SPEEDING-RELATED
160
120
80
40
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year

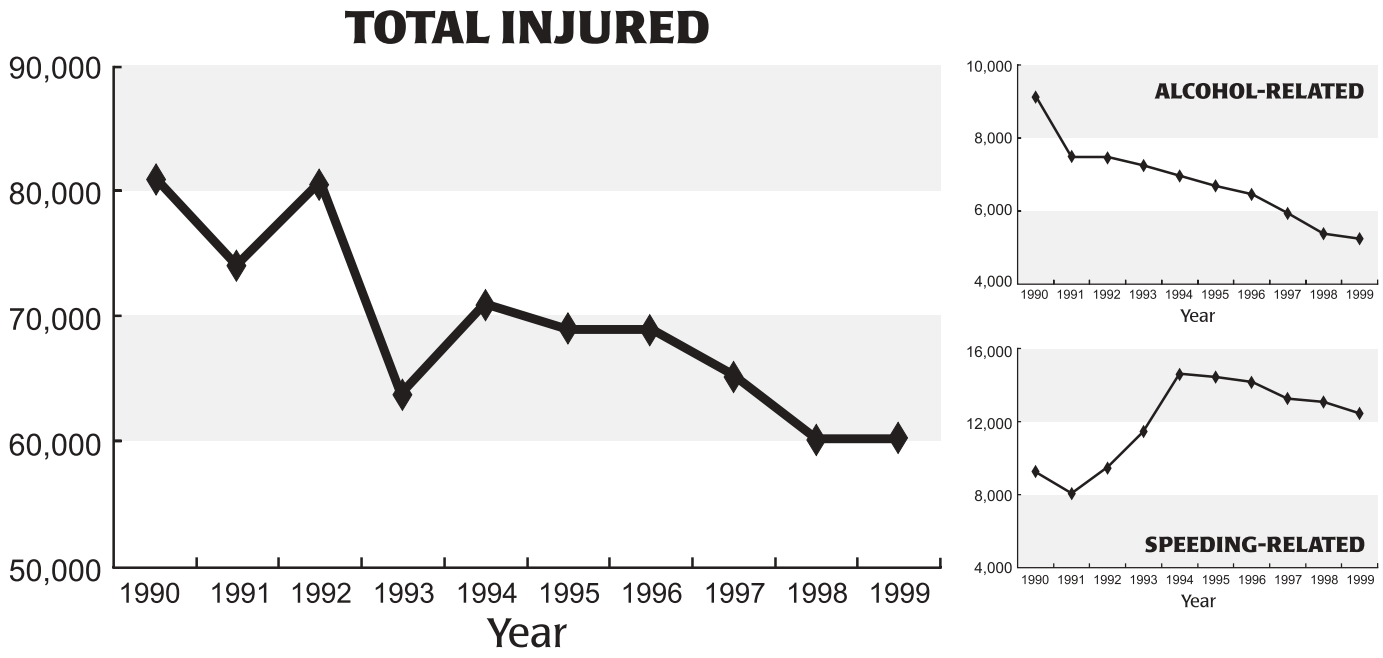

TOTAL INJURED
32,000
31,000
30,000
29,000
28,000
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year


ALCOHOL-RELATED
4,500
3,500
2,500
1,500
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year

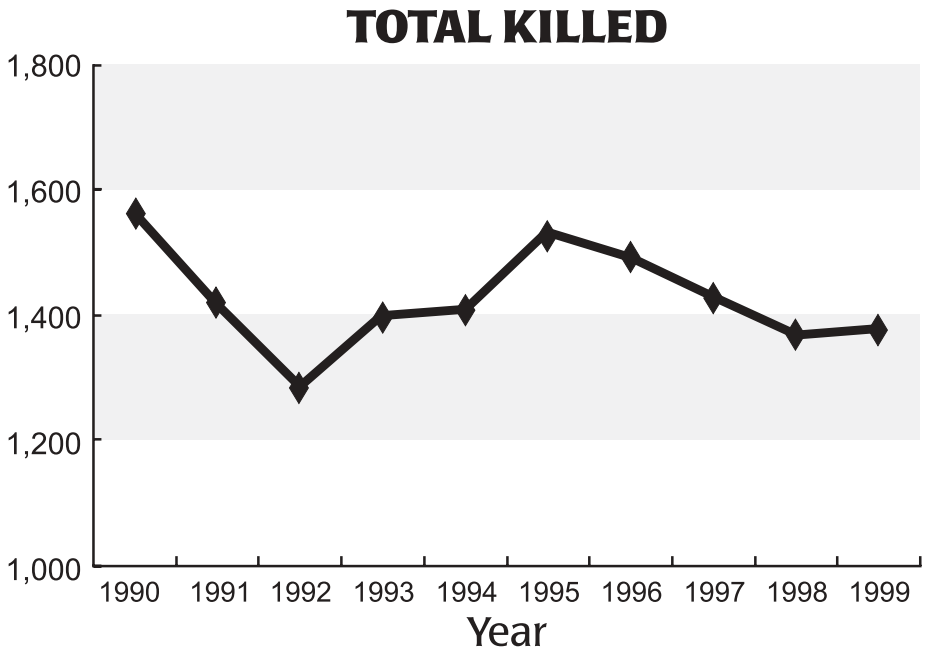

SPEEDING-RELATED
6,000
5,000
4,000
3,000
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year

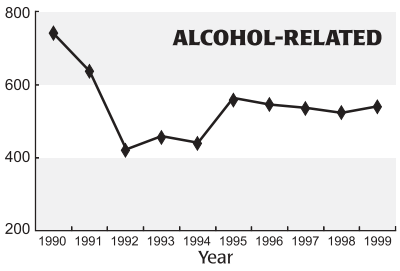
Maryland

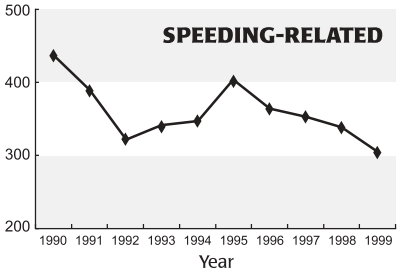

TOTAL KILLED
800
700
600
500
400
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year
ALCOHOL-RELATED
400
300
200
100
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year
SPEEDING-RELATED
250
200
150
100
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year

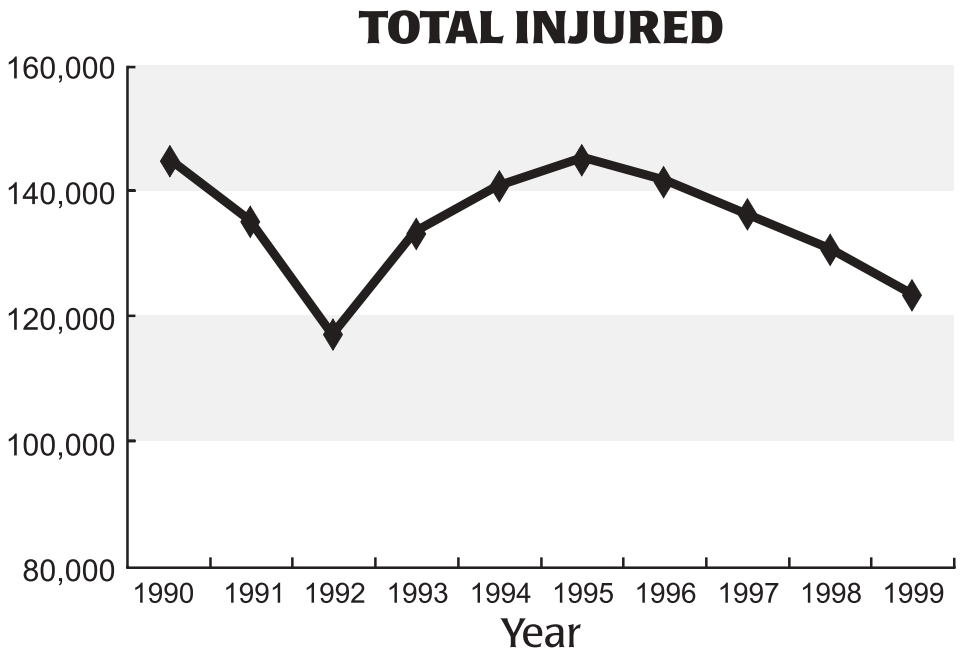

TOTAL INJURED
90,000
80,000
70,000
60,000
50,000
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year
ALCOHOL-RELATED
10,000
8,000
6,000
4,000
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year
SPEEDING-RELATED
16,000
12,000
8,000
4,000
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year

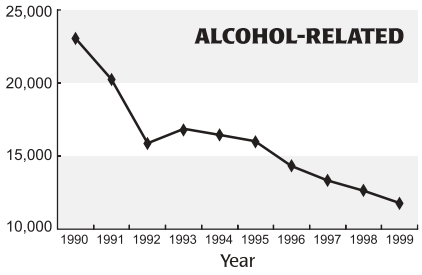
Michigan

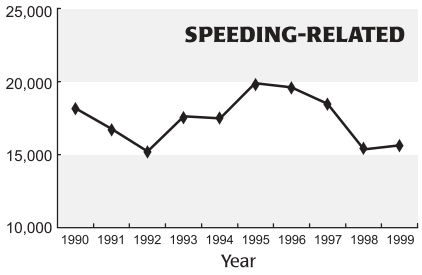

TOTAL KILLED
1,800
1,600
1,400
1,200
1,000
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year


ALCOHOL-RELATED
800
600
400
200
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year

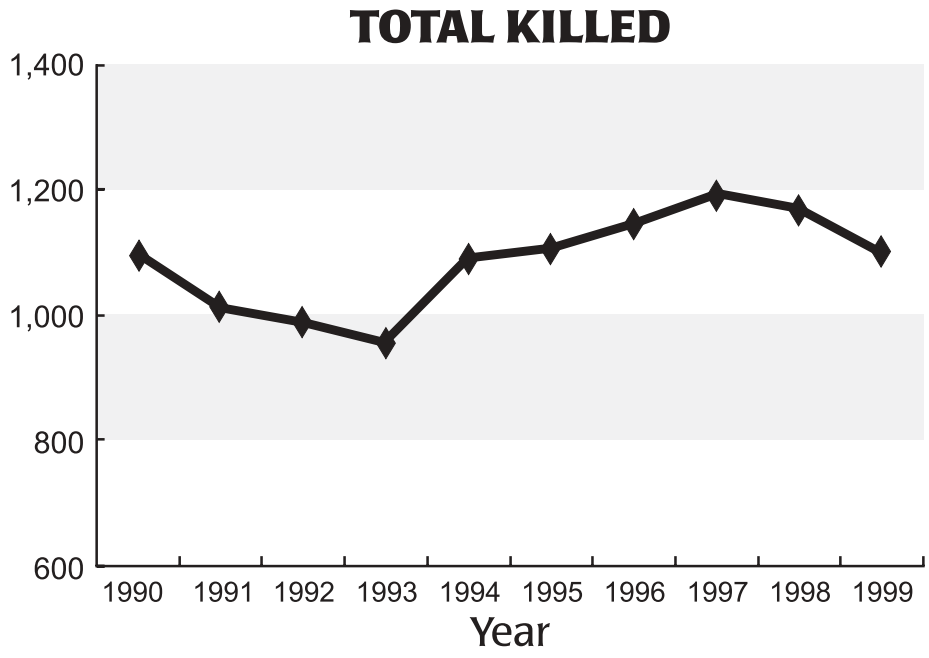

SPEEDING-RELATED
500
400
300
200
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year

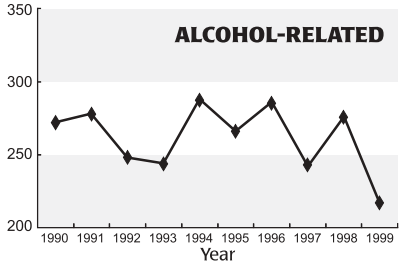

TOTAL INJURED
160,000
140,000
120,000
100,000
80,000
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year

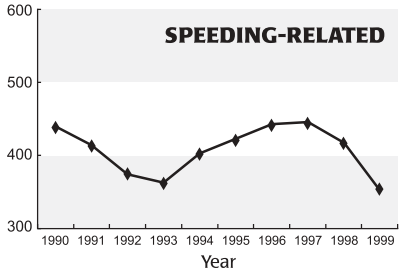

ALCOHOL-RELATED
25,000
20,000
15,000
10,000
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year

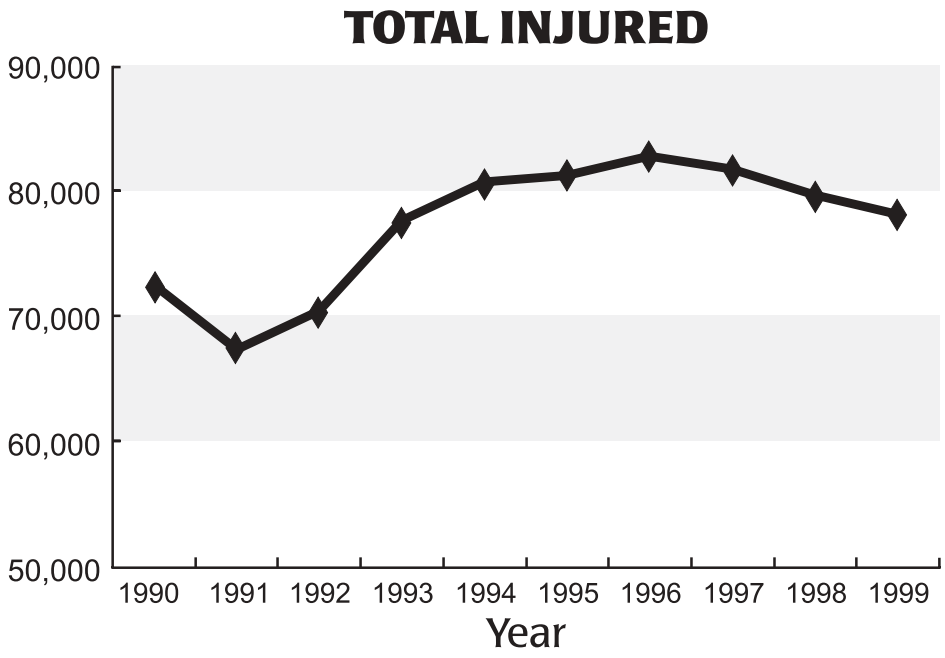

SPEEDING-RELATED
25,000
20,000
15,000
10,000
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year

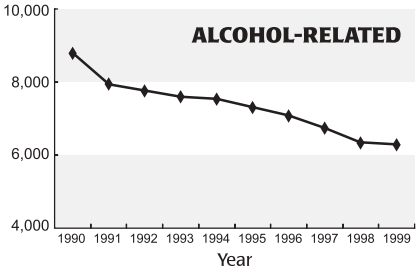
Missouri

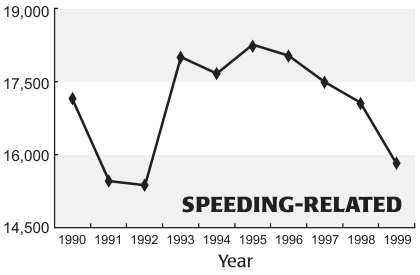

TOTAL KILLED
1,400
1,200
1,000
800
600
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year


ALCOHOL-RELATED
350
300
250
200
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year

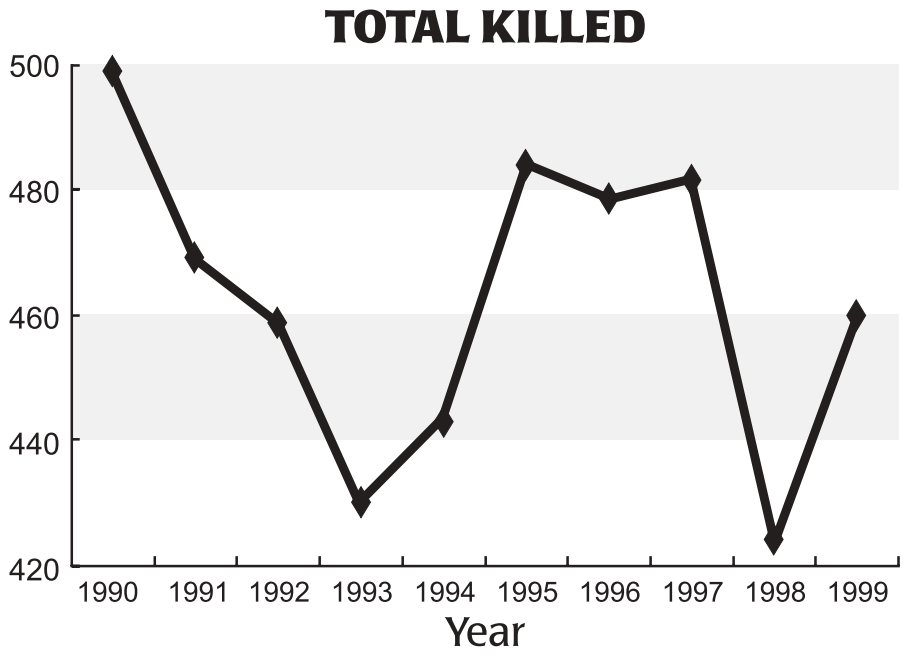

SPEEDING-RELATED
600
500
400
300
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year

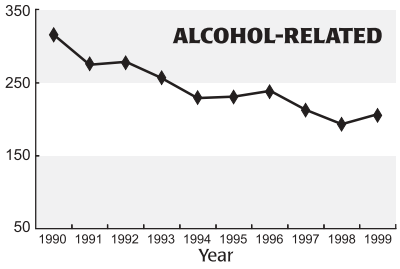

TOTAL INJURED
90,000
80,000
70,000
60,000
50,000
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year

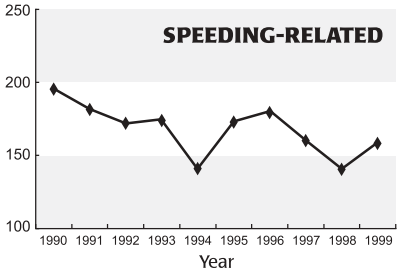

ALCOHOL-RELATED
10,000
8,000
6,000
4,000
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year

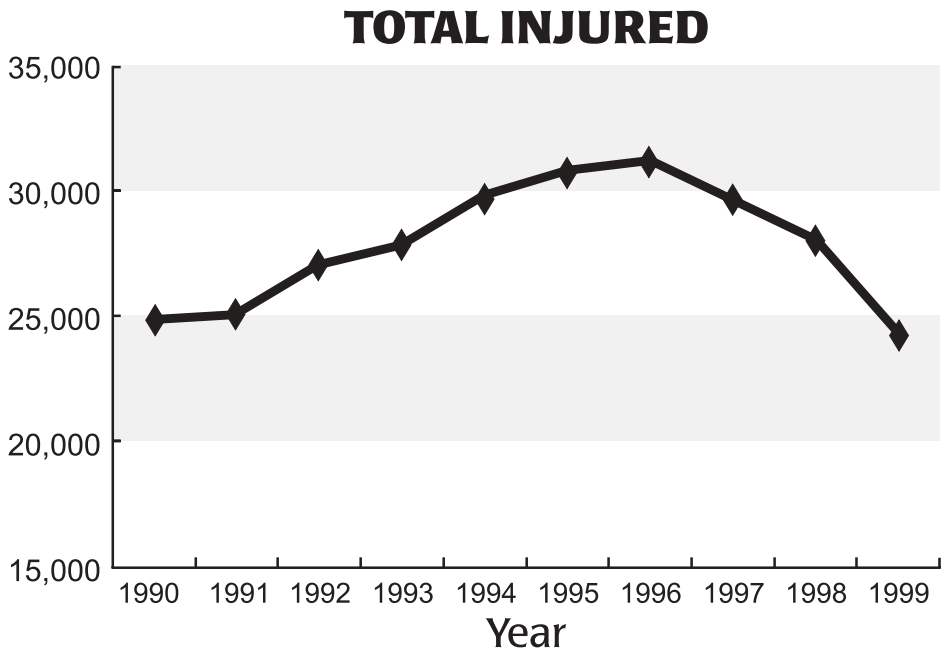

SPEEDING-RELATED
19,000
17,500
16,000
14,500
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year

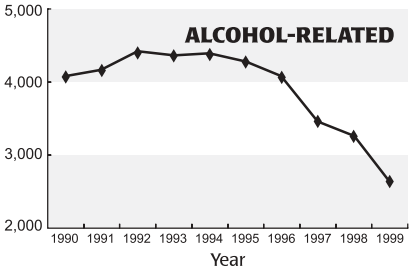
New Mexico

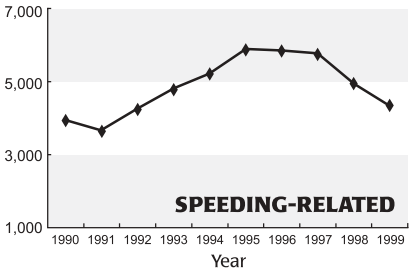

TOTAL KILLED
500
480
460
440
420
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year


ALCOHOL-RELATED
350
250
150
50
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year

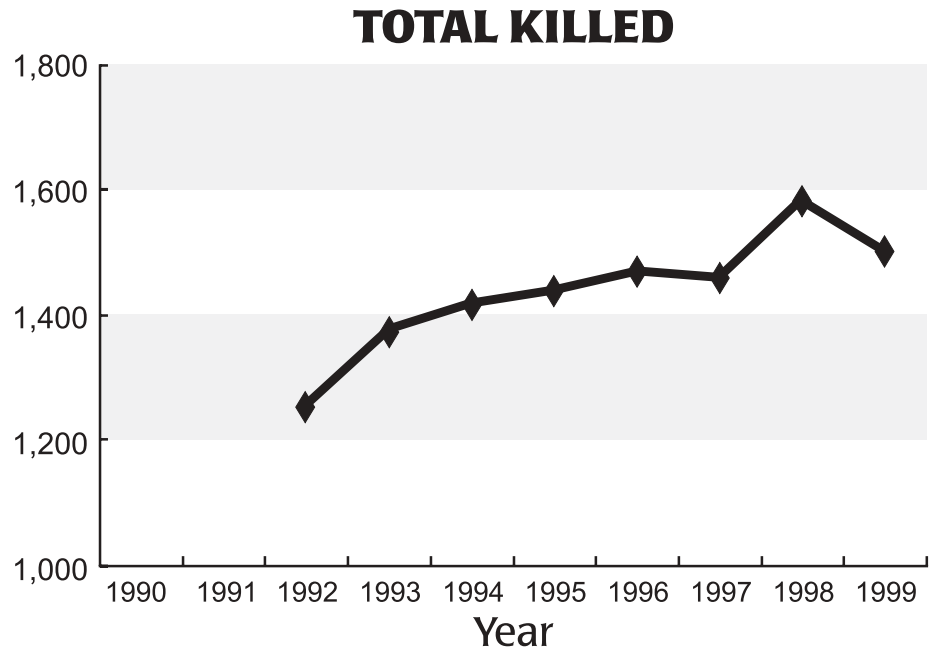

SPEEDING-RELATED
250
200
150
100
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year

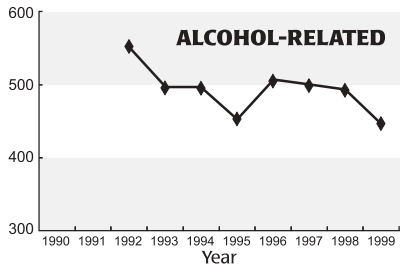

TOTAL INJURED
35,000
30,000
25,000
20,000
15,000
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year

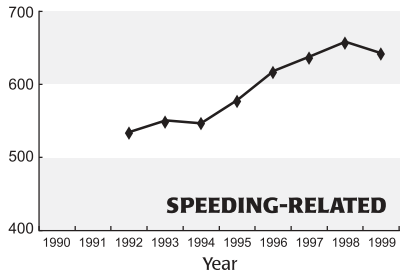

ALCOHOL-RELATED
5,000
4,000
3,000
2,000
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year

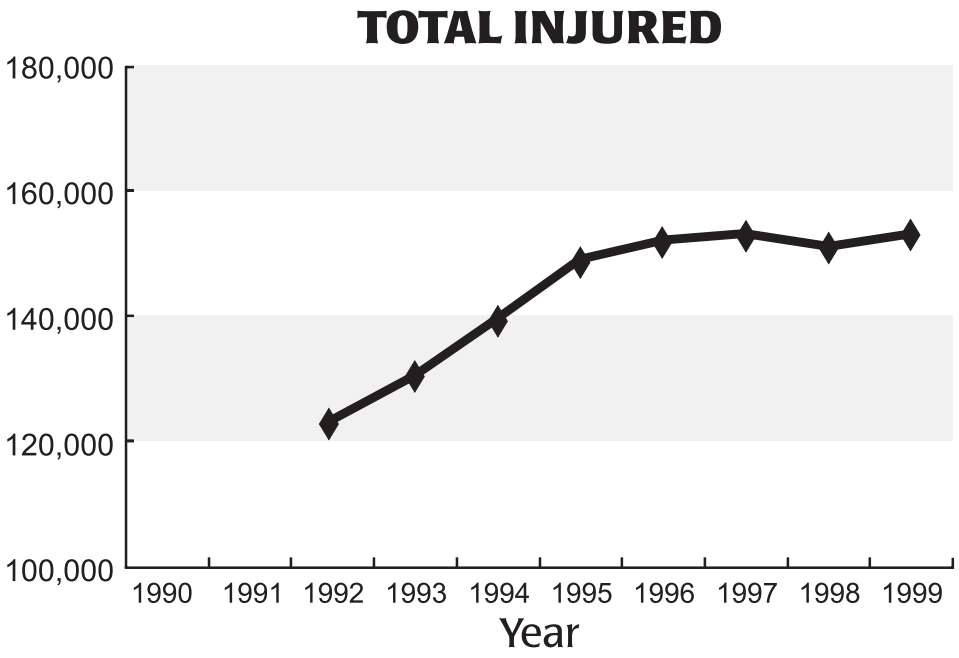

SPEEDING-RELATED
7,000
5,000
3,000
1,000
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year

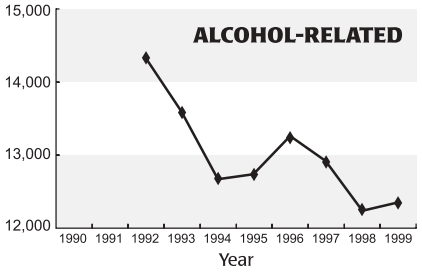
North Carolina

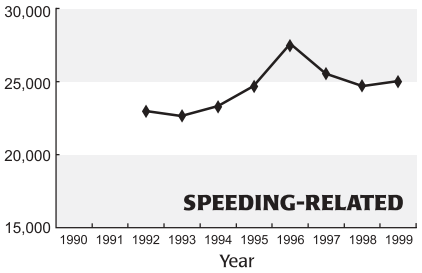




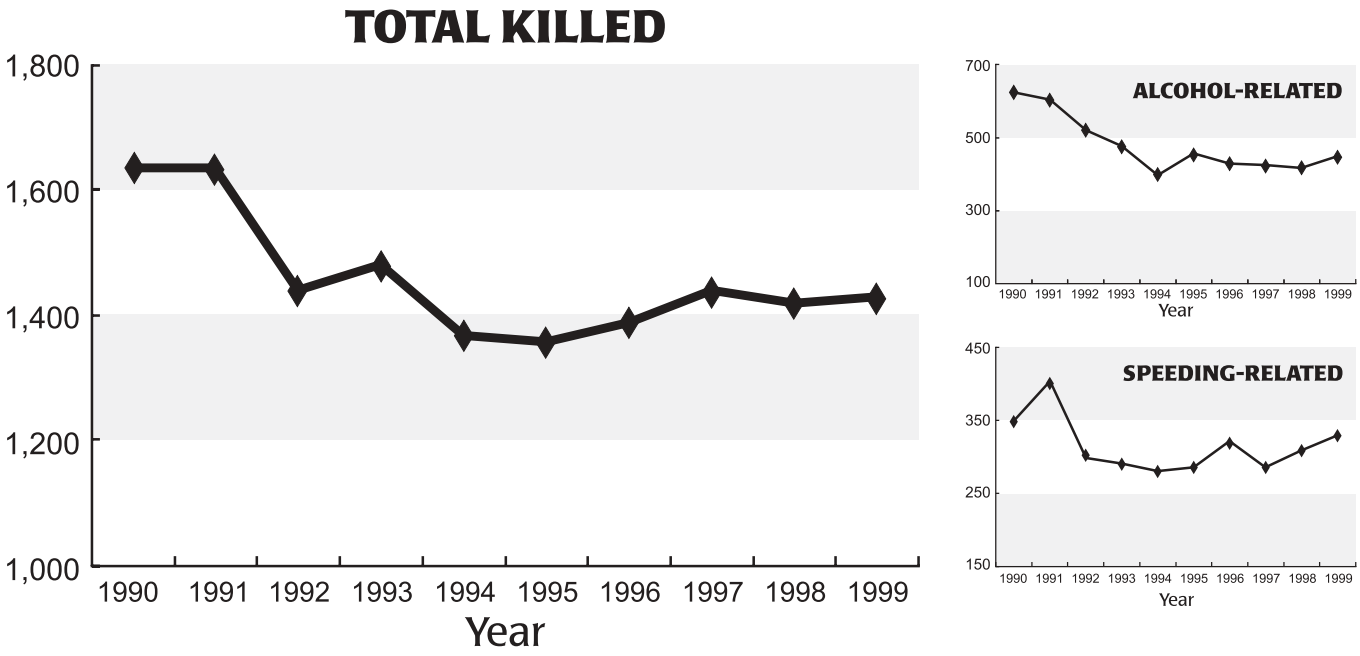


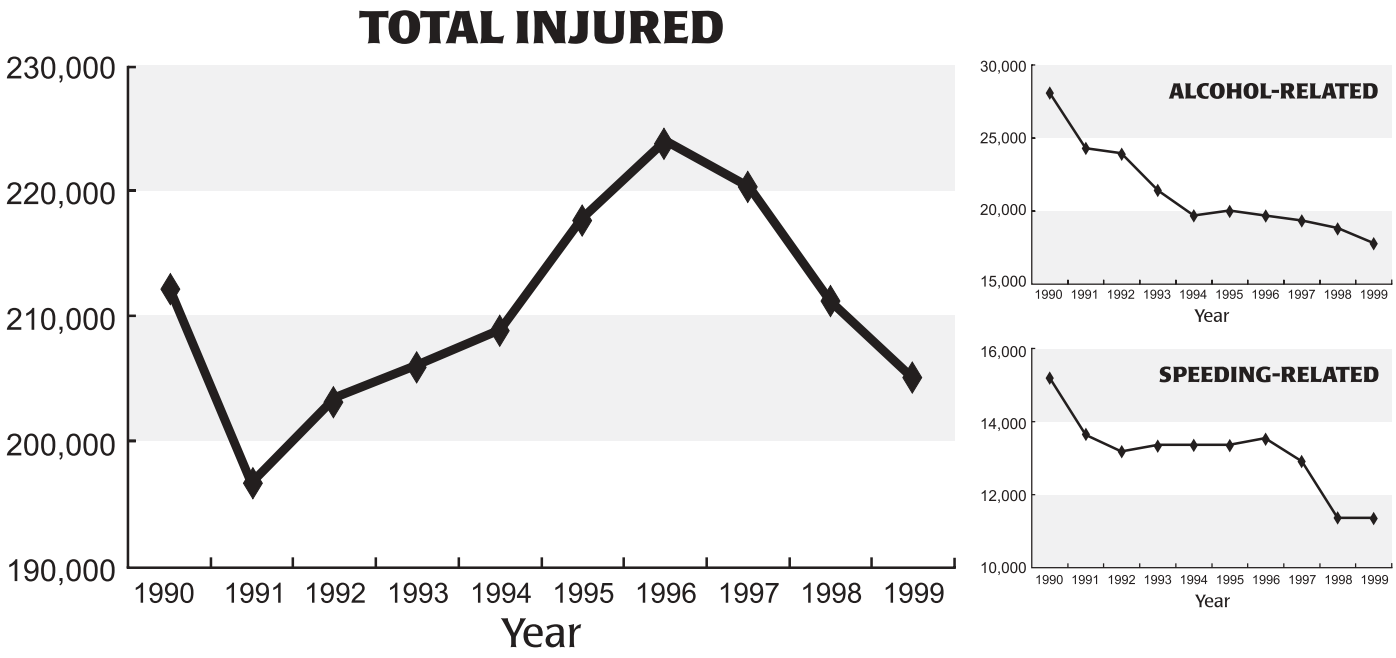




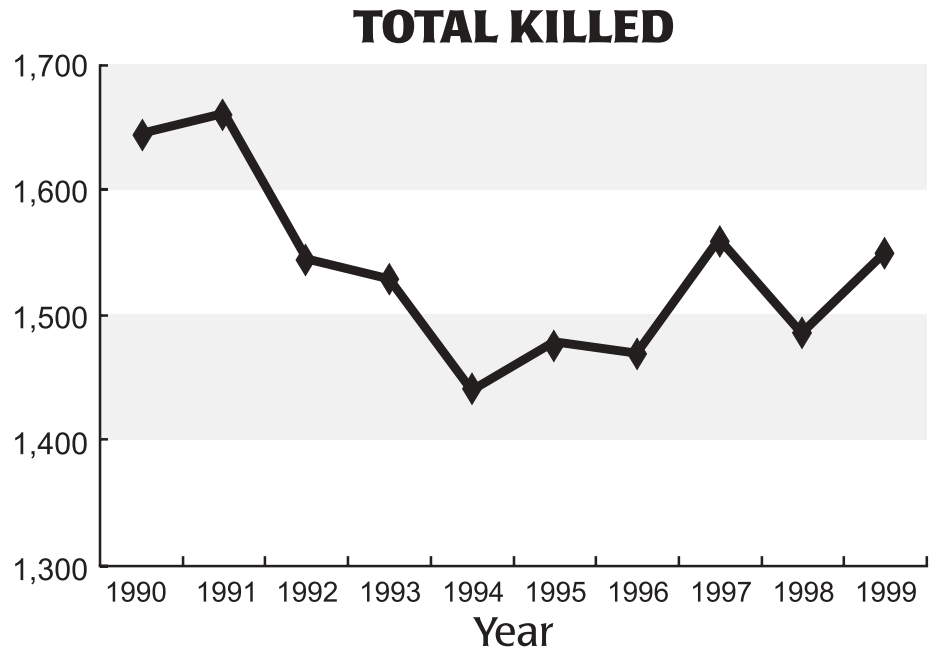


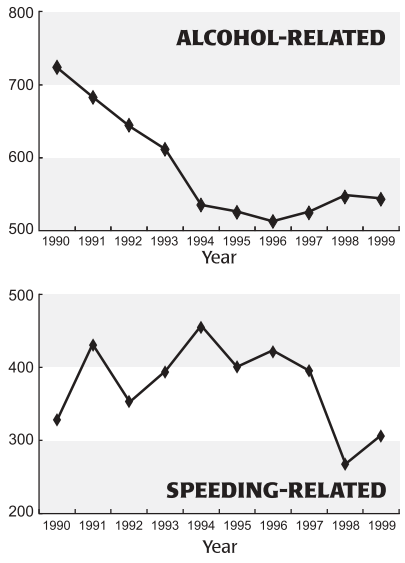
Ohio

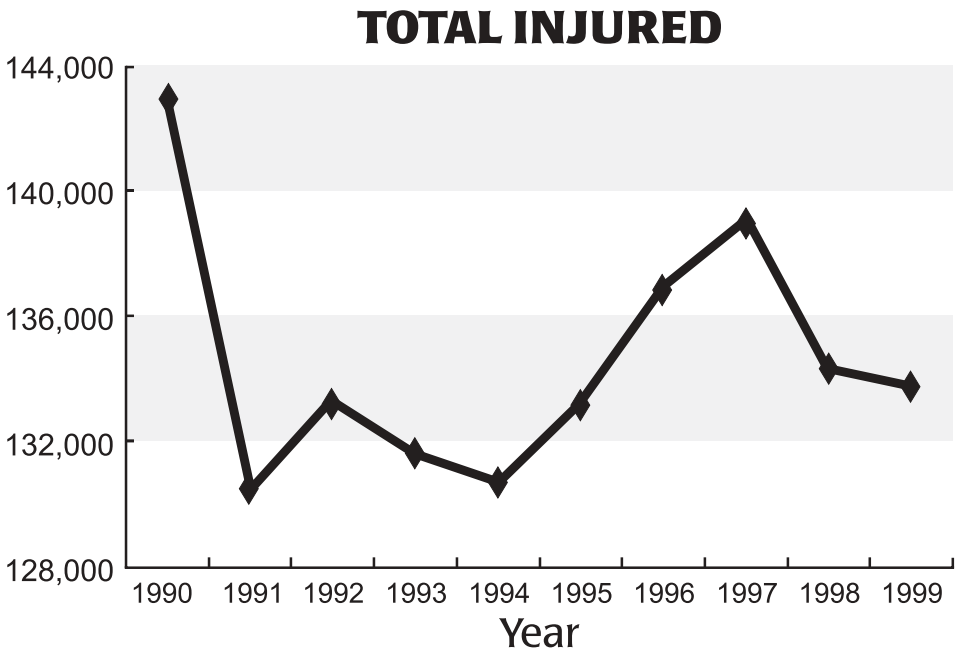

TOTAL KILLED
1,800
1,600
1,400
1,200
1,000
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year
ALCOHOL-RELATED
700
500
300
100
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year
SPEEDING-RELATED
450
350
250
150
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year

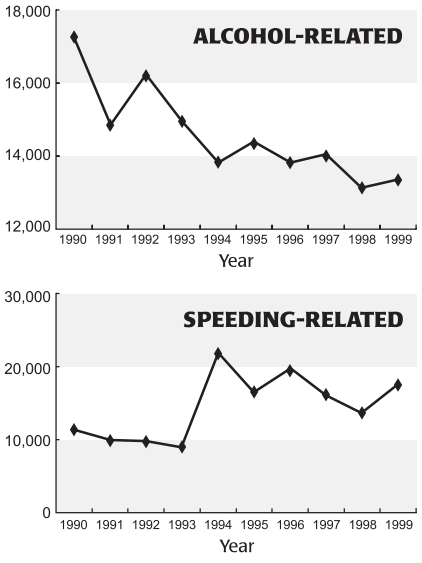

TOTAL INJURED
230,000
220,000
210,000
200,000
190,000
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year
ALCOHOL-RELATED
30,000
25,000
20,000
15,000
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year
SPEEDING-RELATED
16,000
14,000
12,000
10,000
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year

Pennsylania

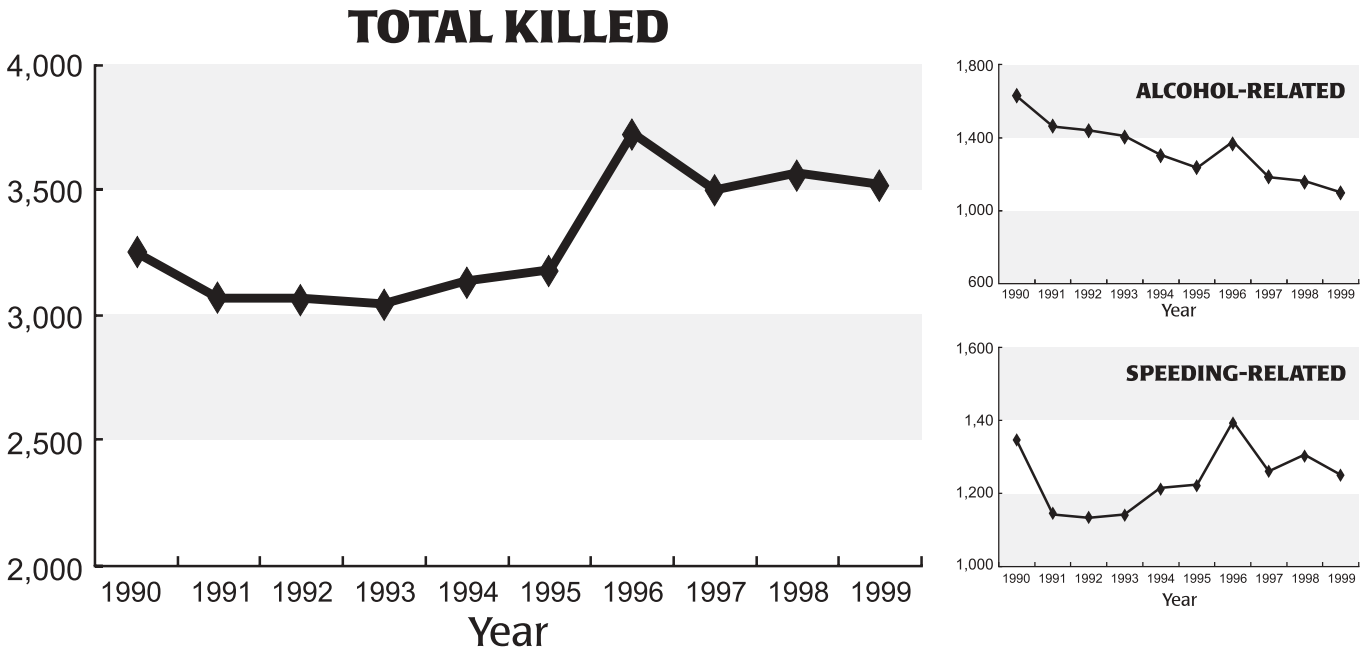


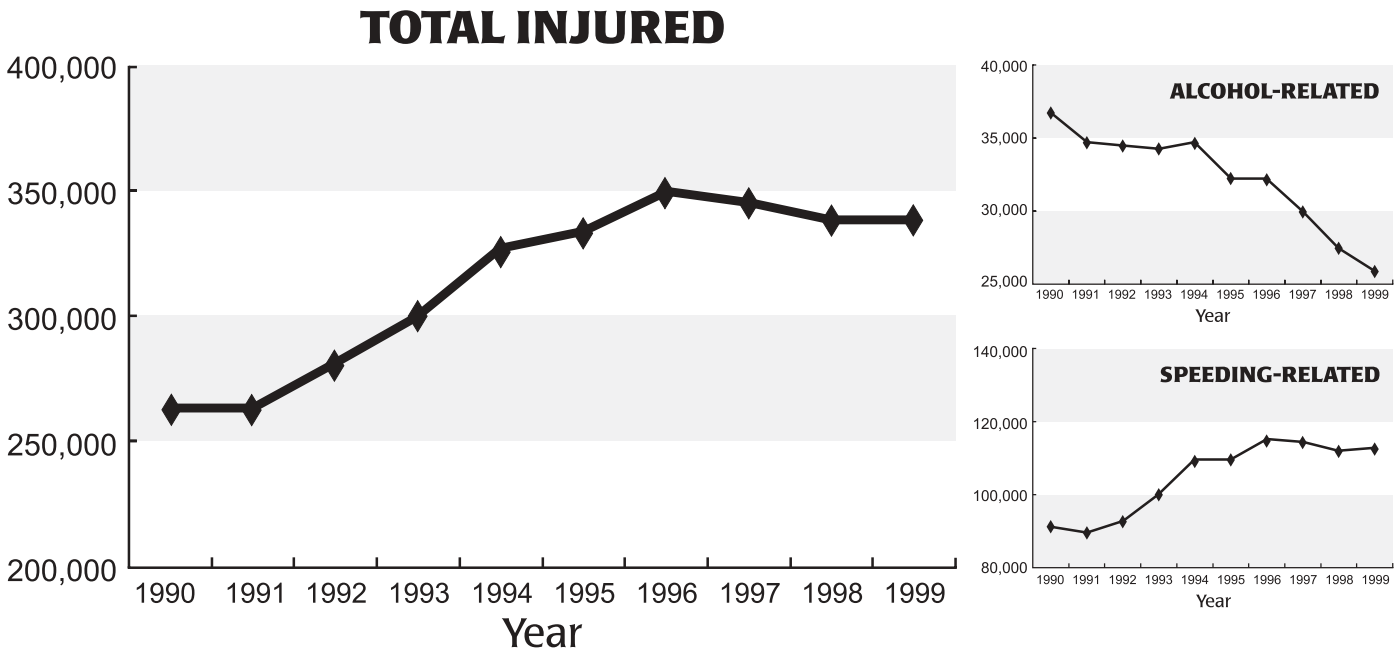




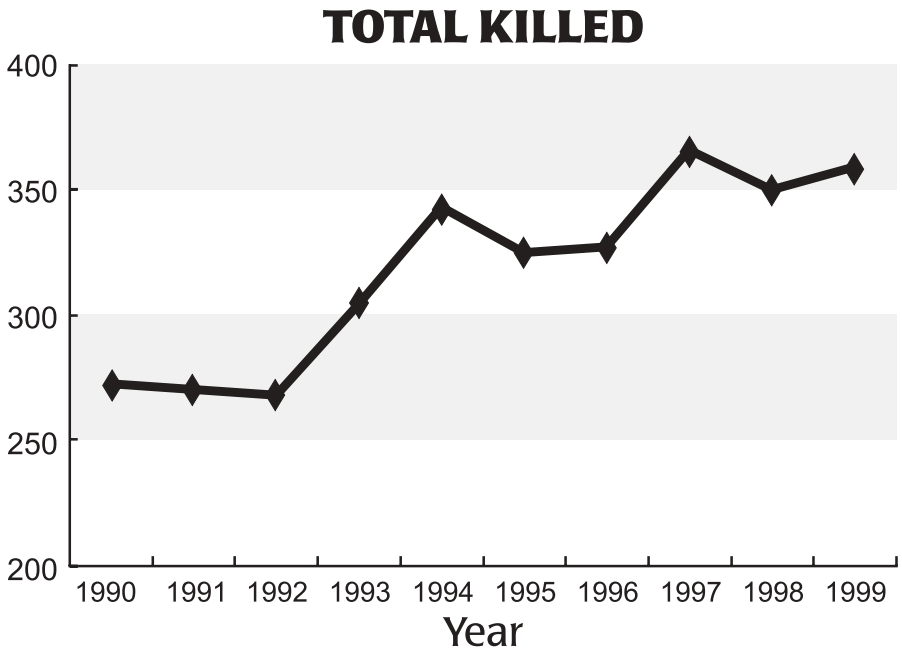


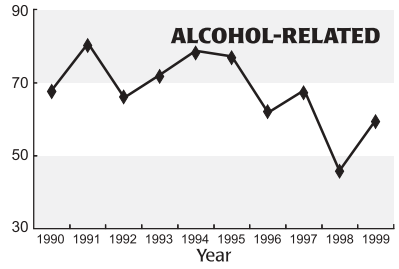
Texas

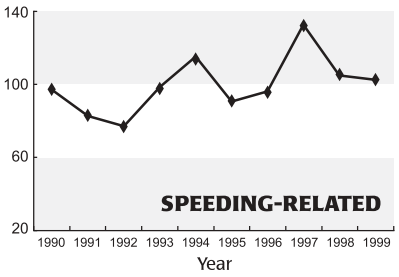

TOTAL KILLED
4,000
3,500
3,000
2,500
2,000
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year
ALCOHOL-RELATED
1,800
1,400
1,000
600
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year
SPEEDING-RELATED
1,600
1,40
1,200
1,000
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year

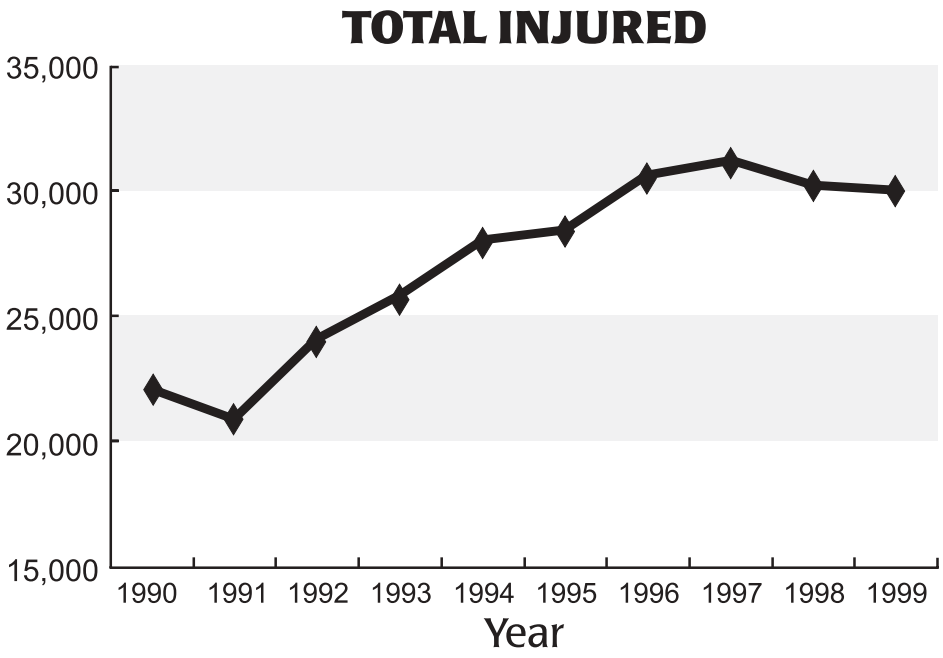

TOTAL INJURED
400,000
350,000
300,000
250,000
200,000
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year
ALCOHOL-RELATED
40,000
35,000
30,000
25,000
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year
SPEEDING-RELATED
140,000
120,000
100,000
80,000
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year

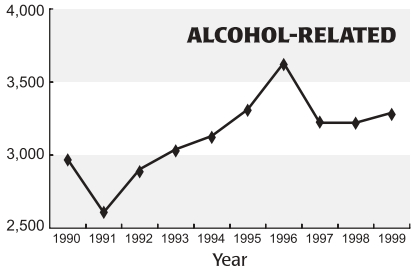
Utah

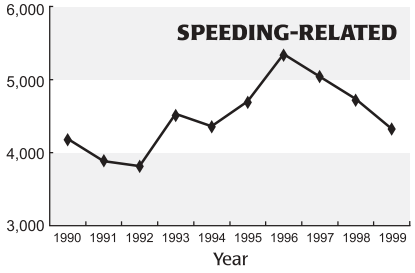

TOTAL KILLED
400
350
300
250
200
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year


ALCOHOL-RELATED
90
70
50
30
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year

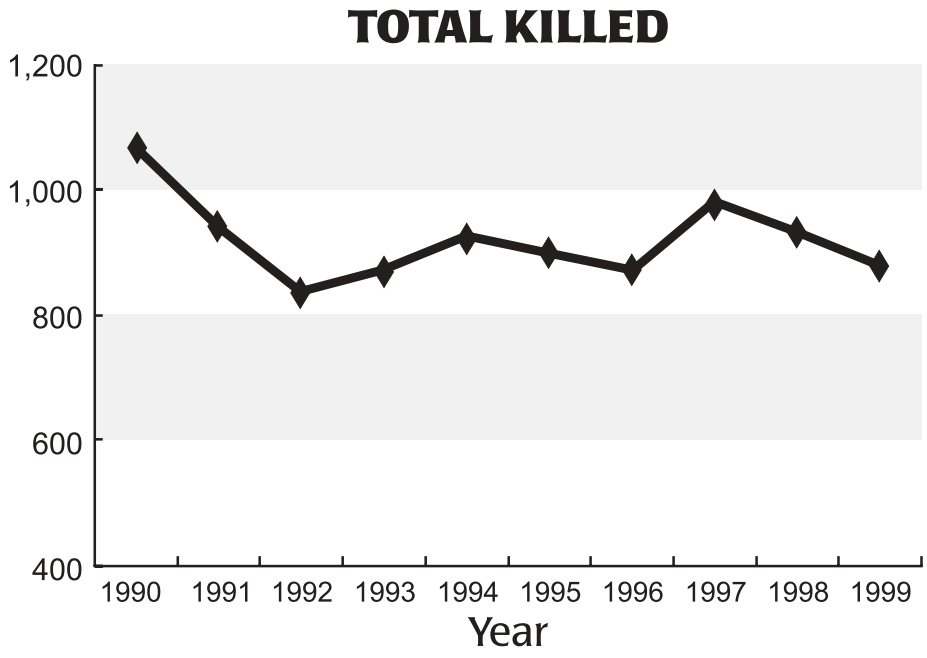

SPEEDING-RELATED
140
100
60
20
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year

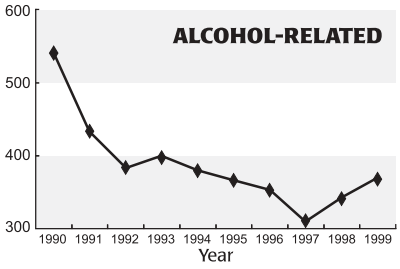

TOTAL INJURED
35,000
30,000
25,000
20,000
15,000
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year

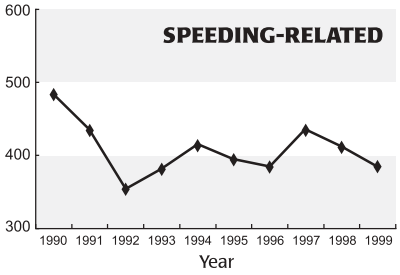

ALCOHOL-RELATED
4,000
3,500
3,000
2,500
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year

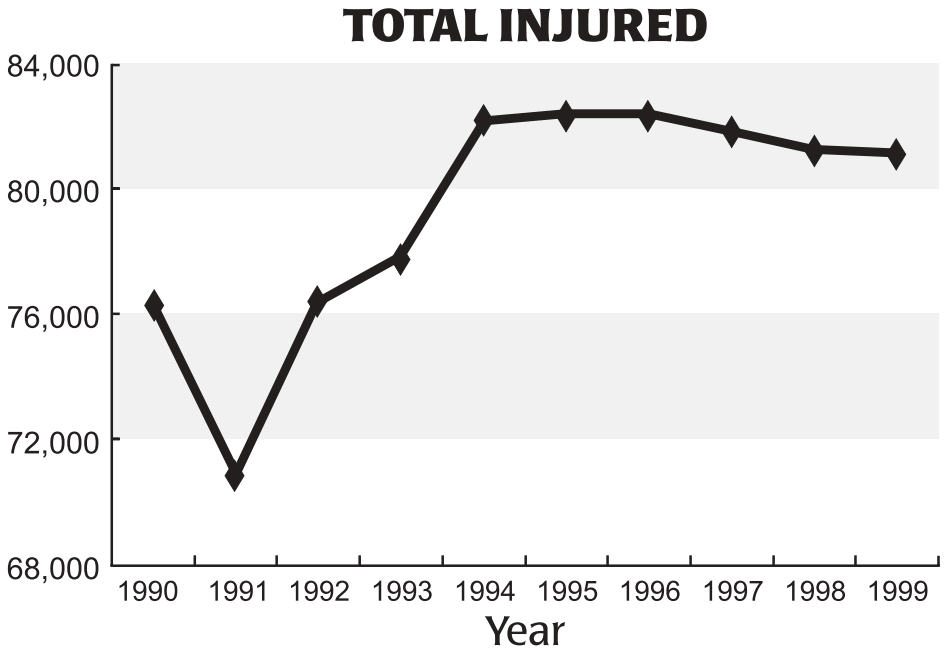

SPEEDING-RELATED
6,000
5,000
4,000
3,000
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year

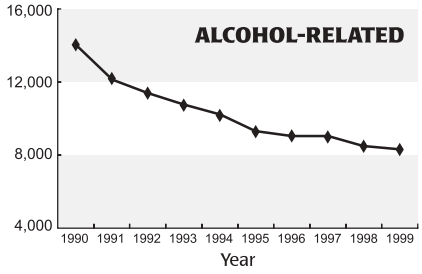
Virginia

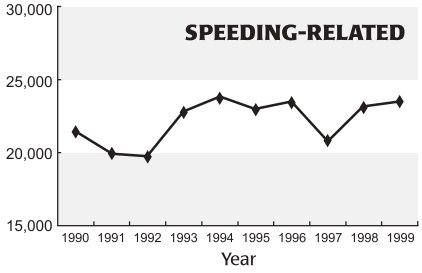

TOTAL KILLED
1,200
1,000
800
600
400
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year


ALCOHOL-RELATED
600
500
400
300
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year

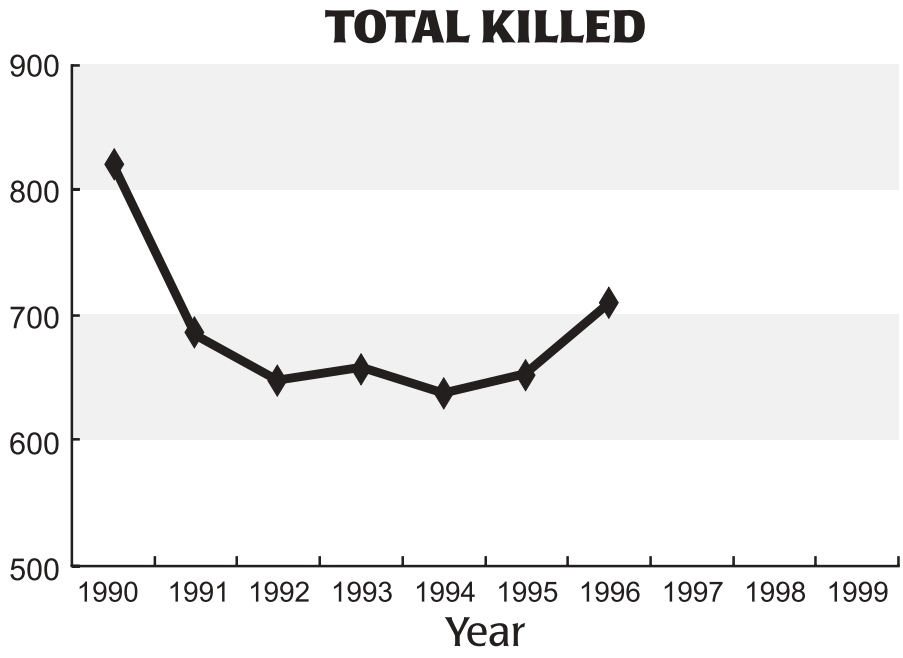

SPEEDING-RELATED
600
500
400
300
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year


TOTAL INJURED
84,000
80,000
76,000
72,000
68,000
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year

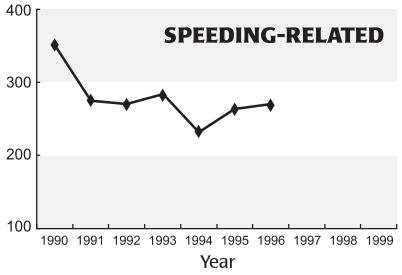

ALCOHOL-RELATED
16,000
12,000
8,000
4,000
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year

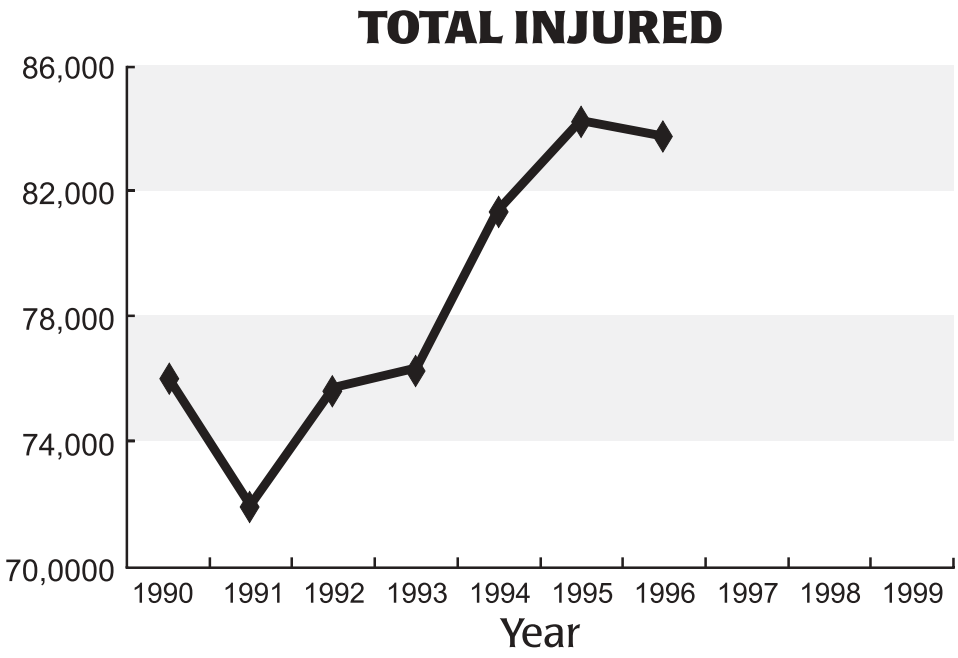

SPEEDING-RELATED
30,000
25,000
20,000
15,000
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year

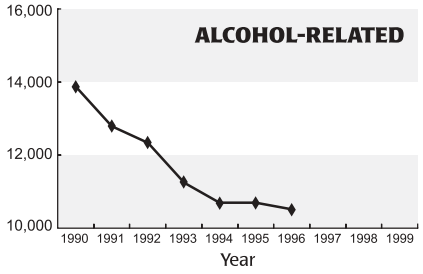
Washington

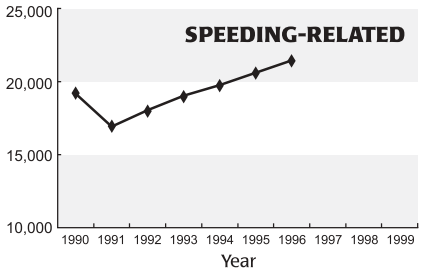

TOTAL KILLED
900
800
700
600
500
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year

ALCOHOL-RELATED
500
400
300
200
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year


SPEEDING-RELATED
400
300
200
100
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year


TOTAL INJURED
86,000
82,000
78,000
74,000
70,0000
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year


ALCOHOL-RELATED
16,000
14,000
12,000
10,000
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year


SPEEDING-RELATED
25,000
20,000
15,000
10,000
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
Year

Illegal BAC Levels and Maximum Legal Speed Limits

State	Illegal BAC Levels[1]	Maximum Legal Speed Limits[2]
California	.08 1990-1999	65 on freeways since 12/95; 70 on rural freeways since 1/96
Florida	.08 since 1/94; .12 prior	70 on some interstates (IS) since 4/96; 65 on some 4-lane roads since 11/96
Georgia	.10 1990-1999	70 on IS and some “look-alikes” and 65 urban IS since 7/96
Illinois	.08 since 7/97; .10 prior	65 on urban IS since 11/95
Indiana	.10 1990-1999	65: No speed limit increase 1990-1999
Kansas	.08 since 7/93; .10 prior	70 on IS, 65 on other primary roads since 3/96
Maryland	.10 1990-1999	60 or 65 on urban IS since 7/96
Michigan	.10 1990-1999	70 on IS since 12/96
Missouri	.10 1990-1999	70 on IS and on any road with safety study since 3/96
New Mexico	.08 since 1/94; .10 prior	75 on IS, 70 on 4-lane with shoulders, 65 on 2-lane with shoulders, and 60 on 2-lane without shoulders since 5/96
North Carolina	.08 since 10/93; .10 prior	70 on IS since 8/96

State	Illegal BAC Levels[1]	Maximum Legal Speed Limits[2]
Ohio	.10 1990-1999	65 on IS since 2/96
Pennsylvania	.10 1990-1999	75 on turnpike and 65 on select roads since 12/95
Texas	.08 since 9/99; .10 prior	70 on IS (during day) since 12/95
Utah	.08 1990-1999	75 on IS since 3/96
Virginia	.08 since 7/94; .10 prior	65: No speed limit increase 1990-1999
Washington	.08 since 1/99; .10 prior	70 on IS since 3/96

[1] *The amount of alcohol in a person's body is measured by the weight of the alcohol in a certain volume of blood. This is called blood alcohol concentration (BAC). The measurement is based on grams per deciliter (g/dl), and in most states a person is considered legally intoxicated if his or her BAC is .10 g/dl or greater; that is, alcohol makes up one-tenth of one percent of the person's blood. In 1995, NHTSA held a national summit with state and community leaders to create a new comprehensive strategy to reduce impaired driving nationwide. In 1998, President Clinton called for the promotion of a national legal limit, under which it would be illegal* per se *to operate a motor vehicle with a BAC of .08 or higher, across the country, including on Federal property. In 1998 Congress passed the Transportation Equity Act for the 21st Century (TEA-21) authorizing highway, highway safety and other programs for the next six years. While TEA-21 did not establish .08 as the standard for impaired driving nationwide, it did provide $500 million of incentive grants over six years to states that have enacted and are enforcing a .08 BAC law.*

[2] *The National Highway System Designation Act (NHS Act) of 1995 (Public Law 104-59) was signed into law on November 28, 1995. The NHS Act, among other things, eliminated the Federal mandate for the National Maximum Speed Limit (NMSL). In so doing, the NHS Act ended a period of more than 20 years of Federal involvement in the states' establishment of speed limits. The speed limits listed here may have been changed in some states since 1999.*

Population[1], Licensed Drivers[2], and Vehicle Miles Traveled (VMT)[3]

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
CALIFORNIA										
Population	29,950,111	30,414,114	30,875,920	31,147,208	31,317,179	31,493,525	31,780,829	32,217,708	32,682,794	33,145,121
Drivers	19,845,906	19,930,785	20,110,665	20,123,481	20,156,177	20,139,586	20,249,200	20,385,245	20,498,902	20,830,674
VMT	258,926	257,976	262,548	266,408	271,943	276,371	278,043	285,612	290,630	300,066
FLORIDA										
Population	13,018,365	13,289,497	13,504,775	13,713,593	13,961,798	14,185,403	14,426,911	14,683,350	14,908,230	15,111,244
Drivers	9,231,405	9,692,974	10,537,677	10,762,041	11,005,438	11,024,064	11,399,593	11,749,244	12,026,947	12,400,841
VMT	109,997	113,319	119,868	120,467	121,989	127,809	130,004	134,007	137,495	141,903
GEORGIA										
Population	6,506,531	6,621,279	6,759,474	6,894,092	7,045,900	7,188,538	7,332,225	7,486,094	7,636,522	7,788,240
Drivers	4,478,260	4,610,271	4,599,515	4,613,295	4,816,618	4,840,495	4,966,348	5,063,192	5,315,739	5,471,100
VMT	70,222	73,005	77,904	78,426	82,822	85,384	89,132	93,840	97,030	98,859
ILLINOIS										
Population	11,446,979	11,535,973	11,635,197	11,725,984	11,804,986	11,884,935	11,953,003	12,011,509	12,069,774	12,128,370
Drivers	7,294,732	7,359,537	7,410,693	7,462,158	7,502,201	7,210,972	7,609,618	7,691,750	7,700,880	7,925,204
VMT	83,334	85,430	87,642	89,693	92,316	94,189	96,385	99,319	101,273	102,394
INDIANA										
Population	5,555,097	5,602,062	5,648,649	5,701,965	5,745,626	5,791,819	5,834,908	5,872,370	5,907,617	5,942,901
Drivers	3,601,354	3,453,186	3,800,436	3,790,781	3,860,329	3,706,182	3,704,156	3,923,614	3,976,241	3,856,177
VMT	53,697	54,266	57,072	60,461	61,136	64,552	66,220	68,634	69,129	70,041
KANSAS										
Population	2,480,683	2,495,209	2,256,042	2,547,605	2,569,118	2,586,942	2,598,266	2,616,339	2,638,667	2,654,052
Drivers	1,714,507	1,780,520	1,691,883	1,774,036	1,771,566	1,770,786	1,788,259	1,824,944	1,851,449	1,892,478
VMT	22,849	23,186	24,163	24,115	24,678	25,153	25,942	26,524	27,095	27,699
MARYLAND										
Population	4,797,431	4,856,176	4,902,545	4,942,504	4,985,411	5,023,650	5,057,142	5,092,914	5,130,072	5,171,634
Drivers	3,361,936	3,213,900	3,233,818	3,274,392	3,308,006	3,344,125	3,377,470	3,346,622	3,177,783	3,194,601
VMT	40,536	41,349	41,896	43,311	44,165	44,882	46,033	46,812	48,343	49,126
MICHIGAN										
Population	9,310,462	9,395,022	9,470,323	9,529,240	9,584,481	9,659,871	9,739,184	9,785,450	9,820,231	9,863,775
Drivers	6,440,390	6,433,993	6,480,686	6,527,401	6,601,924	6,658,750	6,716,789	6,751,267	6,802,704	6,863,199
VMT	81,091	81,935	84,219	85,686	85,183	85,703	90,215	91,755	93,916	95,644
MISSOURI										
Population	5,126,370	5,157,770	5,193,686	5,237,757	5,281,206	5,324,610	5,367,888	5,407,113	5,437,562	5,468,338
Drivers	3,688,081	3,732,342	3,454,414	3,472,140	3,382,046	3,587,086	3,749,348	3,744,320	3,798,096	3,839,764
VMT	50,883	50,982	53,254	54,821	57,288	59,347	61,162	62,980	64,534	66,735

[1] U.S. Census Bureau report ST-99-3.

[2] Highway Statistics, Federal Highway Administration (FHWA).

[3] Highway Statistics, Federal Highway Administration (FHWA). VMT totals are given in millions.

Population[1], Licensed Drivers[2], and Vehicle Miles Traveled (VMT)[3]

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
NEW MEXICO										
Population	1,519,933	1,547,115	1,580,750	1,614,937	1,653,329	1,682,417	1,706,151	1,722,939	1,733,535	1,739,844
Drivers	1,073,816	1,081,437	1,126,193	1,148,230	1,167,462	1,173,442	1,179,256	1,194,284	1,203,869	1,221,927
VMT	16,148	16,773	18,452	18,945	20,480	21,147	21,510	21,937	22,192	22,362
NORTH CAROLINA										
Population	6,656,987	6,748,135	6,831,850	6,947,412	7,060,959	7,185,403	7,307,658	7,428,672	7,545,828	7,650,789
Drivers	4,550,644	4,547,443	4,655,434	4,724,661	4,840,104	5,028,421	5,187,288	5,399,301	5,534,284	5,491,228
VMT	62,752	64,883	67,538	69,502	71,928	76,053	78,935	81,895	85,283	87,759
OHIO										
Population	10,861,837	10,933,683	11,007,609	11,070,385	11,111,451	11,155,493	11,187,032	11,212,498	11,237,752	11,256,654
Drivers	7,427,409	7,470,352	9,168,860	7,634,742	7,142,173	7,772,757	7,852,548	8,185,824	7,941,479	8,045,787
VMT	91,303	93,002	95,221	96,167	98,200	100,788	103,090	103,675	104,924	105,487
PENNSYLVANIA										
Population	11,895,604	11,943,160	11,980,819	12,022,128	12,042,545	12,044,780	12,038,008	12,015,888	12,002,329	11,994,016
Drivers	7,899,052	7,950,559	8,018,519	8,054,636	8,115,074	8,154,055	8,221,143	8,317,715	8,404,689	8,478,276
VMT	85,708	87,282	89,200	90,706	92,347	94,520	96,646	98,015	99,908	102,014
TEXAS										
Population	17,044,714	17,339,904	17,650,479	17,996,764	18,338,319	18,679,706	19,006,240	19,355,427	19,712,389	20,044,141
Drivers	11,136,694	11,293,184	11,437,571	11,876,268	12,109,960	12,369,243	12,568,265	12,833,603	13,322,911	13,359,305
VMT	156,578	158,756	163,329	167,611	178,348	181,096	187,154	198,700	206,023	210,874
UTAH										
Population	1,729,722	1,771,941	1,821,498	1,875,993	1,930,436	1,976,774	2,022,253	2,065,397	2,100,562	2,129,836
Drivers	1,046,106	1,067,030	1,143,000	1,189,593	1,245,205	1,255,460	1,319,263	1,357,064	1,393,242	1,439,534
VMT	14,646	15,391	16,307	17,056	18,078	18,781	19,539	20,444	21,270	22,044
VIRGINIA										
Population	6,213,526	6,283,853	6,383,315	6,464,795	6,536,771	6,601,392	6,665,491	6,732,878	6,789,225	6,872,912
Drivers	4,388,805	4,651,070	4,697,006	4,579,666	4,601,235	4,628,886	4,692,071	4,901,088	4,787,150	4,729,373
VMT	60,178	61,099	63,447	65,421	67,609	69,811	71,302	70,320	72,756	73,904
WASHINGTON										
Population	4,900,780	5,013,443	5,139,011	5,247,704	5,334,896	5,431,024	5,509,963	5,604,105	5,687,832	5,756,361
Drivers	3,376,671	3,490,585	3,627,434	3,698,920	3,775,019	3,765,376	3,908,217	4,009,833	4,078,895	4,128,775
VMT	44,695	46,449	49,386	46,135	47,428	49,250	49,405	51,044	51,927	52,714

[1] U.S. Census Bureau report ST-99-3.

[2] Highway Statistics, Federal Highway Administration (FHWA).

[3] Highway Statistics, Federal Highway Administration (FHWA). VMT totals are given in millions.

Glossary

Alcohol-Related
NHTSA defines a crash as alcohol-related if either a driver or a non-motorist (usually a pedestrian) had a measurable or estimated blood alcohol concentration (BAC) of .01 grams per deciliter (g/dl) or above. Some states in the State Data System also report a crash as alcohol-related if the PAR indicates evidence of alcohol being present, even though the crash participant may not have been tested for alcohol.

BAC
Blood Alcohol Concentration. BAC is measured as a percentage by weight of alcohol in the blood (grams/deciliter). A positive BAC level (.01 g/dl and higher) indicates that alcohol was consumed by the person tested.

Bus
Large motor vehicles generally used to carry more than 10 passengers, including school buses, inter-city buses, and transit buses.

Crash
An event that produces injury and/or property damage, involves a motor vehicle in transport, and occurs on a trafficway or while the vehicle is still in motion after running off the trafficway.

Crash Severity
- Fatal Crash: A police-reported crash involving a motor vehicle in transport on a trafficway in which at least one person dies.
- Injury Crash: A police-reported crash involving a motor vehicle in transport on a trafficway in which no one died but at least one person was reported to have either an incapacitating injury, a visible but not incapacitating injury, or a possible injury with no visible evidence.
- Property-Damage-Only (PDO) Crash: A police-reported crash involving a motor vehicle in transport on a trafficway in which no one involved in the crash was killed or injured, but enough damage occurred to one or more vehicles to meet the state's minimum inclusion criteria (see Appendix B).

Crash Type
Single-vehicle or multiple-vehicle crash as based on a given state's Number of Vehicles variable.

Day
From 6:00 a.m. to 5:59 p.m.

Driver
An occupant of a vehicle who is in physical control of a motor vehicle in transport, or for an out-of-control vehicle, an occupant who was in control until control was lost.

Injury Severity
The police-reported injury severity of a person involved in a crash:
- Killed (Fatal)
- Injured (Incapacitating injury, evident injury but not incapacitating, and possible injury with no visible evidence)
- No injury

Intersection
An area that contains a crossing or connection of two or more roadways not classified as driveway access, either along a roadway within an intersection proper or within 50 feet of an intersection.

Large Truck
Trucks over 10,000 pounds gross vehicle weight rating, including single unit trucks and truck tractors.

Light Truck
Trucks of 10,000 pounds gross vehicle weight rating or less, including pickups, vans, and sport utility vehicles.

Motorcycle
A two- or three-wheeled motor vehicle designed to transport one or two people, including motor-scooters, minibikes, and mopeds.

Night
From 6:00 p.m. to 5:59 a.m.

Non-intersection
An area along the roadway (including the shoulder) that does not contain a crossing or connection of two or more roadways, and is greater than 50 feet from an intersection.

Occupant
Any person who is in or upon a motor vehicle in transport. Includes drivers, passengers, and persons riding on the exterior of the motor vehicle.

PAR
Police Accident Report. A report completed by police officers at a motor vehicle traffic crash scene. It contains information describing characteristics of the crash, the vehicles, and people involved. The report also includes the results of the officer's investigation about the crash itself.

Passenger
Any occupant of a motor vehicle who is not a driver.

Passenger Car
Motor vehicles used primarily for carrying passengers. Does not include vans or sport utility vehicles (see Light Truck).

Pedalcyclist
A person on a vehicle that is powered solely by pedals.

Pedestrian
Any person not in or upon a vehicle.

Restraint Use
An occupant's use of available vehicle restraints, including lap belt, shoulder belt, or automatic belt.

Roadway
A roadway is that part of a trafficway designed and ordinarily used for motor vehicle travel.

Rollover
Any crash in which a vehicle rotates 90 degrees or more about any true longitudinal or lateral axis.

Speeding-Related
Any crash in which one or more vehicles was reported as exceeding the legal speed limit for the trafficway on which the crash occurred, or in which one or more vehicles was reported as traveling too fast for conditions existing at the time of the crash.

State Data System
An integral part of NCSA's State Data Program that consists of crash data from 17 states: California, Florida, Georgia, Illinois, Indiana, Kansas, Maryland, Michigan, Missouri, New Mexico, North Carolina, Ohio, Pennsylvania, Texas, Utah, Virginia, and Washington.

Trafficway
Any land open to the public as a matter of right or custom for transporting people or property. Trafficways may include roadways, medians, shoulders, and roadsides.

Weekday
From 6:00 a.m. Monday to 5:59 p.m. Friday.

Weekend
From 6:00 p.m. Friday to 5:59 a.m. Monday.