



# Fatal Injuries to Civilian Workers in the United States, 1980-1995



*National and State Profiles*

Department of Health and Human Services  
Centers for Disease Control and Prevention  
National Institute for Occupational Safety and Health



# **Fatal Injuries to Civilian Workers in the United States, 1980-1995**

(National and State Profiles)

Suzanne M. Marsh

Larry A. Layne

**DEPARTMENT OF HEALTH AND HUMAN SERVICES**

Centers for Disease Control and Prevention

National Institute for Occupational Safety and Health

**July 2001**

## **DISCLAIMER**

Mention of the name of any company or product does not constitute endorsement by the  
National Institute for Occupational Safety and Health

This document is in the public domain and may be freely copied or reprinted.

Copies of this and other NIOSH documents are available from:

Publications Dissemination, EID  
National Institute for Occupational Safety and Health  
4676 Columbia Parkway  
Cincinnati, OH 45226-1998

Fax number: (513) 533-8573  
Telephone number: 1-800-35-NIOSH (1-800-356-4674)  
E-mail: [pubstaft@cdc.gov](mailto:pubstaft@cdc.gov)

For further information about occupational safety and health  
topics, call 1-800-35-NIOSH (1-800-356-4674), or  
visit the NIOSH Web site at [www.cdc.gov/niosh](http://www.cdc.gov/niosh).

**DHHS (NIOSH) PUBLICATION No. 2001-129S**

## Foreword

The Occupational Safety and Health Act of 1970 was enacted “to assure so far as possible every working man and woman in the Nation safe and healthful working conditions.” However, deaths from injuries at work continue to be a major public health problem. On average, 16 workers die each day in this country. These workers die simply trying to earn a living. Through the National Traumatic Occupational Fatalities surveillance system, NIOSH continues to help fill the gap in the knowledge of traumatic work-related injury deaths.

This document provides an update to data published in the 1993 publication, *Fatal Injuries to Workers in the United States, 1980-1989: A Decade of Surveillance*. The current document includes 16 years of data from the National Traumatic Occupational Fatalities surveillance system for the years 1980 through 1995. Occupational injury mortality statistics on over 93,000 deaths are provided by demographic and injury characteristics. These data illuminate the nature and magnitude of work-related injury death for the United States and comprise the most comprehensive summary available in one document.

Although fatal occupational injuries have decreased over the years, the burden remains high. The data presented in this report provide the basis for developing strategies to prevent traumatic work-related injury deaths by profiling high-risk industries, occupations, and causes of fatal injuries. It is our hope that the information contained in this document will serve as a comprehensive resource for federal, state and local agencies, safety and health professionals, researchers, and others who can affect the prevention of occupational fatalities.

Kathleen M. Rest, Ph.D., M.P.A.  
Acting Director  
National Institute for Occupational  
Safety and Health



## Contents

Foreword .....	iii
Acknowledgments .....	ix
Public Health Summary .....	xi
Executive Summary .....	xiii
Introduction .....	1
Methods .....	1
Selection Criteria .....	1
Why Death Certificates? .....	2
Data Utility .....	2
Data Coding: Industry/Occupation/Cause of Death .....	2
Calculation of Rates .....	3
Limitations of Death Certificate Data .....	4
Comparison of Data to Previously Published Fatal Occupational Injury Data .....	5
Additional Readings .....	5
References .....	7
National Data .....	11
<b>Table US-1.</b> Number and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Year, US, 1980-1995 .....	11
<b>Table US-2.</b> Number and Average Annual Rate (per 100,000 workers) of Traumatic Occupational Fatalities by State of Death, US, 1980-1995 .....	12
<b>Table US-3.</b> Number and Average Annual Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Sex, Race, and Age Group, US, 1980-1995 .....	13
<b>Table US-4.</b> Number and Rate (per 100,000 workers) of Traumatic Occupational Fatalities for Sex, Race, and Age Group, by Year, US, 1980-1995 .....	14
<b>Table US-5.</b> Number and Average Annual Rate (per 100,000 workers) of Traumatic Occupational Fatalities for Race and Age Group, by Sex, US, 1980-1995 .....	15
<b>Table US-6.</b> Number and Average Annual Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Age Group and Race, US, 1980-1995 .....	15
<b>Table US-7.</b> Number and Average Annual Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Cause of Death and Sex, US, 1980-1995 .....	16
<b>Table US-8.</b> Number of Traumatic Occupational Fatalities by Cause of Death and Year, US, 1980-1995 .....	17

## Contents (continued)

<b>Table US-9.</b> Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Cause of Death and Year, US, 1980-1995 .....	18
<b>Table US-10.</b> Number and Average Annual Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Cause of Death and Race, US, 1980-1995 .....	19
<b>Table US-11.</b> Number of Traumatic Occupational Fatalities by Cause of Death and Age Group, US, 1980-1995 .....	20
<b>Table US-12.</b> Average Annual Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Cause of Death and Age Group, US, 1980-1995 .....	21
<b>Table US-13.</b> Number and Average Annual Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Industry Division, US, 1980-1995 .....	21
<b>Table US-14.</b> Number and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Industry Division and Year, US, 1980-1995 .....	22
<b>Table US-15.</b> Number of Traumatic Occupational Fatalities by Cause of Death and Industry Division, US, 1980-1995 .....	23
<b>Table US-16.</b> Average Annual Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Cause of Death and Industry Division, US, 1980-1995 .....	24
<b>Table US-17.</b> Number and Average Annual Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Industry Division and Age Group, US, 1983-1995 .....	25
<b>Table US-18.</b> Number and Average Annual Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Industry Groupings, US, 1983-1995 .....	26
<b>Table US-19.</b> Number of Traumatic Occupational Fatalities by Selected Detailed Industry Groupings and Year, US, 1983-1995 .....	27
<b>Table US-20.</b> Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Selected Detailed Industry Groupings and Year, US, 1983-1995 .....	28
<b>Table US-21.</b> Number of Traumatic Occupational Fatalities by Selected Detailed Industry Groupings and Cause of Death, US, 1983-1995 .....	29
<b>Table US-22.</b> Average Annual Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Selected Detailed Industry Groupings and Cause of Death, US, 1983-1995 .....	30
<b>Table US-23.</b> Number and Average Annual Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Occupation Division, US, 1980-1995 .....	31
<b>Table US-24.</b> Number and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Occupation Division and Year, US, 1980-1995 .....	32
<b>Table US-25.</b> Number of Traumatic Occupational Fatalities by Cause of Death and Occupation Division, US, 1980-1995 .....	33
<b>Table US-26.</b> Average Annual Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Cause of Death and Occupation Division, US, 1980-1995 .....	34
<b>Table US-27.</b> Number and Average Annual Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Occupation Division and Age Group, US, 1983-1995 .....	35
<b>Table US-28.</b> Number and Average Annual Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Occupation Groupings, US, 1983-1995 .....	36
<b>Table US-29.</b> Number and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Selected Detailed Occupation Groupings and Year, US, 1983-1995 .....	37

## Contents (continued)

<b>Table US-30.</b> Number and Average Annual Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Selected Detailed Occupation Groupings and Cause of Death, US, 1983-1995 .....	38
<b>Table US-31.</b> Number and Average Annual Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Industry and Occupation Division, US, 1983-1995 .....	39
State-specific Analyses .....	41

### The following tables are included for each State:

**Table 1.** Number and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Year, 1980-1995.

**Table 2.** Number and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Sex, Race, and Age Group, 1980-1995.

**Table 3.** Number and Average Annual Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Cause of Death, 1980-1995.

**Table 4.** Number and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Industry and Occupation Division, 1983-1995.

**Table 5.** Number and Average Annual Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Industry Groupings, 1983-1995.

**Table 6.** Number and Average Annual Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Occupation Groupings, 1983-1995.

Alabama .....	43
Alaska .....	49
Arizona .....	55
Arkansas .....	61
California .....	67
Colorado .....	73
Connecticut .....	79
Delaware .....	85
District of Columbia .....	91
Florida .....	97
Georgia .....	103
Hawaii .....	109
Idaho .....	115
Illinois .....	121
Indiana .....	127
Iowa .....	133
Kansas .....	139
Kentucky .....	145
Louisiana .....	151
Maine .....	157
Maryland .....	163

## Contents (continued)

Massachusetts .....	169
Michigan .....	175
Minnesota .....	181
Mississippi .....	187
Missouri .....	193
Montana .....	199
Nebraska .....	205
Nevada .....	211
New Hampshire .....	217
New Jersey .....	223
New Mexico .....	229
New York .....	235
North Carolina .....	241
North Dakota .....	247
Ohio .....	253
Oklahoma .....	259
Oregon .....	265
Pennsylvania .....	271
Rhode Island .....	277
South Carolina .....	283
South Dakota .....	289
Tennessee .....	295
Texas .....	301
Utah .....	307
Vermont .....	313
Virginia .....	319
Washington .....	325
West Virginia .....	331
Wisconsin .....	337
Wyoming .....	343
Appendix I: Abbreviations for Industry and Occupation Divisions .....	349
Appendix II: Detailed Bureau of the Census (BOC) Industry Groupings .....	351
Appendix III: Detailed Bureau of the Census (BOC) Occupation Groupings .....	353
Appendix IV: ICD-9 E-code Rubrics for Cause of Death Categories .....	355
Appendix V: Operational Guidelines for Determination of Injury at Work .....	357
Appendix VI: Additional Readings .....	361

## **Acknowledgments**

The authors are indebted to Joyce R. Spiker of the Division of Safety Research for all of her efforts in preparing and formatting this document for publication.

The authors would also like to thank Susan P. Baker, M.P.H., Johns Hopkins Center for Injury Research and Policy; Lois A. Fingerhut, National Center for Health Statistics; James C. Helmkamp, Ph.D., West Virginia University Center for Rural Emergency Medicine; Edward L. Husting, Ph.D., National Center for Injury Prevention and Control; and John W. Ruser, Ph.D., Bureau of Labor Statistics for their helpful comments on this document.

The authors are also grateful to the State vital registrars and their staffs for providing these valuable data. The success of the National Traumatic Occupational Fatalities surveillance system is due to the help and cooperation of these State vital records offices.



## **Public Health Summary**

### **What are the hazards?**

Over 93,000 workers were fatally injured while working in the United States from 1980 through 1995. Each day an average of 16 people died—simply by doing their jobs. These deaths result from exposure to many different hazards on the job. Leading causes of traumatic occupational fatalities include motor vehicles, homicides, machines, falls, electrocutions, and falling objects.

### **How can a worker be exposed or put at risk?**

Workers are at risk of fatal injury in many different ways. Workers who operate motor vehicles or machines risk injury due to overturns or collisions. Taxicab drivers risk being killed during robbery attempts while construction workers risk fatal falls while working from heights. Electrical linemen risk electrocution while repairing power lines and loggers risk being struck by a falling tree during tree harvesting operations. These scenarios highlight some of the risks that are a daily presence in many of the industries and occupations in the United States. These jobs are frequently noted as being the jobs with the highest fatal injury rates. However, the potential for work-related injury exists in any job where injury risks are present and not controlled.

### **What recommendations has the federal government made to protect workers' safety and health?**

Several federal agencies promulgate standards and regulations for worker safety. Agencies with specific regulatory authority for worker protection include the Occupational Safety and Health Administration, Federal Railroad Administration, Mine Safety and Health Administration, Federal Highway Administration, and the Employment Standards Administration. NIOSH, however, is the only federal agency responsible for conducting research and making recommendations for the prevention of work-related illnesses and injuries. NIOSH conducts research programs that improve understanding of injury and disease risks, identify populations at risk, and evaluate prevention strategies. For example, prevention recommendations are developed for specific risks through the Fatality Assessment and Control Evaluation program and the Health Hazard Evaluation program. Additional recommendations are developed through the funding of individual research projects, both within NIOSH and with extramural partners. As a result of these efforts NIOSH creates and disseminates scientifically valid recommendations for preventing work-related disease, injury, and disability.

### **Where can more information be found?**

The references and additional readings contained in this document identify sources that provide additional information on fatal occupational injuries. Additional information on worker safety and health may be obtained from NIOSH through

1-800-35-NIOSH (800-356-4674) or at <a href="http://www.cdc.gov/niosh">www.cdc.gov/niosh</a>
---



## Executive Summary

The National Institute for Occupational Safety and Health collects and automates death certificates from the 52 vital statistics reporting units in the 50 States, New York City, and the District of Columbia for workers 16 years of age or older who die as a result of a work-related injury. Analysis of occupational injury deaths, such as those gathered through the National Traumatic Occupational Fatalities (NTOF) surveillance system, facilitates identification of high risk worker groups and potential injury risk factors by demographic, employment, and injury characteristics. This promotes the effective use of resources aimed at preventing injuries in the workplace. In reviewing these data, it is important to note the distinction between the number of deaths and fatality rates. The number of deaths indicates the magnitude of a problem and fatality rates depict the risk faced by workers. Fatal occupational injury data for 1980 through 1995 are provided for the U.S. and for each State.

Major findings from this study:

- There were 93,338 civilian workers who died from injuries sustained while working in the U.S., 1980 through 1995 (Table US-1).
- The average annual occupational fatality rate for the U.S. civilian workforce was 5.2 per 100,000 workers for 1980 through 1995 (Table US-1).
- Civilian fatal occupational injuries decreased 28%, from 7,343 fatalities in 1980 to 5,314 in 1995 (Table US-1).
- The average annual fatality rate per 100,000 civilian workers decreased, from 7.4 in 1980 to 4.3 in 1995 – a 42% decrease (Table US-1).
- The greatest number of fatal occupational injuries occurred in California (9,670), Texas (9,423), Florida (5,596), Illinois (4,169), and Pennsylvania (3,926) (Table US-2).
- The States with the highest occupational injury fatality rates per 100,000 workers were Alaska (24.3), Wyoming (16.7), Montana (12.4), Idaho (10.7), West Virginia (10.4), and Mississippi (10.1) (Table US-2).
- The fatality rate for males (8.8 per 100,000 workers) was 11 times higher than the rate for females (0.8 per 100,000 workers) (Table US-3).
- Eighty-five percent of civilian workers who died were white and 11% were black (Table US-3).
- Black workers had the highest fatality rate per 100,000 workers (5.8), followed by whites (5.1) (Table US-3).
- The age group with the largest number of occupational injury fatalities was the 25-34 year old age group (26%) followed closely by the 35-44 year old age group (22%) (Table US-3).

- Workers 65 years and older had the highest fatality rate of all age groups (13.6 deaths per 100,000 workers) in every industry and occupation division (Tables US-3, US-17, US-27).
- The leading causes of occupational injury death in the U.S. were motor vehicle crashes (23%), homicides (14%), machine-related incidents (13%), falls (10%), electrocutions (7%), and being struck by falling objects (6%) (Table US-7).
- The highest rates by cause of death varied by gender: the highest rate for females was homicide (0.3 per 100,000 workers), while motor vehicle crashes (2.0 per 100,000 workers) were the cause of death with the highest rate among males (Table US-7).
- While the rate of motor vehicle-related fatalities decreased 36% between 1980 and 1995 (from 1.7 per 100,000 workers to 1.1), motor vehicles continued to have the highest rate through 1995. Machines had the second highest rate per 100,000 workers until 1990, when they were surpassed by homicides (Table US-9).
- The highest rates by cause of death varied by race: the highest rate for whites was motor vehicle crashes (1.2 per 100,000 workers), while the highest rate by cause of death for blacks was homicide (1.4 per 100,000 workers) (Table US-10).
- The industry divisions with the greatest proportion of fatalities were construction (18%), transportation/communication/public utilities (17%), manufacturing (15%), and agriculture/forestry/fishing (12%) (Table US-13).
- The mining industry had the highest average annual fatality rate per 100,000 workers (30.4), followed by agriculture/forestry/fishing (19.6), construction (15.3), and transportation/communication/public utilities (12.6) (Table US-13).
- The highest rates by cause of death varied by industry: the highest rate in the agriculture/forestry/fishing industry was for machinery-related incidents (6.6 per 100,000 workers), while the highest rate by cause of death in the retail trade industry was for homicides (1.7) (Table US-16).
- The occupation divisions with the greatest proportion of fatalities were precision production/craft/repairers (21%), transportation/material movers (17%), farmers/foresters/fishers (13%), and laborers (11%) (Table US-23).
- The occupation division of farmers/foresters/fishers had the highest average annual fatality rate per 100,000 workers (21.9), followed by transportation/material movers (21.6), laborers (13.7), and precision production/craft/repairers (9.2) (Table US-23).
- The highest rates by cause of death varied by occupation: the highest rate among executives/administrators/managers was for homicides (0.8 per 100,000 workers), while machinery-related incident rates were highest among farmers/foresters/fishers (7.0) (Table US-26).



*Delivering on the Nation's Promise:  
Safety and health at work  
For all people  
Through research and prevention*

To receive other information about occupational safety and health topics, call  
1-800-35-NIOSH (1-800-356-4674), or  
visit the NIOSH Website at:  
[www.cdc.gov/niosh](http://www.cdc.gov/niosh)

# **Fatal Injuries to Civilian Workers in the United States, 1980-1995**

## **(National and State Profiles)**

---

---

### **Introduction**

The National Institute for Occupational Safety and Health (NIOSH) began collecting death certificates from all 50 States and the District of Columbia in answer to the need for a comprehensive enumeration of workers who sustain a fatal work-related injury. The National Traumatic Occupational Fatalities (NTOF) surveillance system was developed to fill gaps in the knowledge of work-related injury deaths in the United States (U.S.) by providing a census of occupational injury deaths for all U.S. workers.

Surveillance data such as those gathered through NTOF allow analysis of demographic, employment, and injury characteristics and also enable the examination of trends over time. These data allow the description of the nature and magnitude of the occupational injury problem in the U.S., the identification of potential risk factors, the generation of hypotheses for further research, and the setting of research and prevention priorities.

In 1993, a comprehensive summary of fatal occupational injuries in the U.S. was published based on data collected through NTOF for the years 1980 through 1989 (Jenkins et al., 1993). The present document extends the period of analysis to 16 years, providing the most comprehensive summary of fatal occupational injuries in one document for the U.S. as a whole, and for every State. This current document however, is considerably different than the earlier publication with the primary goal of providing detailed data in tabular format. The data are being presented in this format to provide the occupational safety and health community with direct access to data from the NTOF surveillance system. This document will serve as a comprehensive resource to describe the magnitude and circumstances of occupational injury deaths in the U.S. from 1980 through 1995.

### **Methods**

#### ***Selection Criteria***

The NTOF surveillance system is composed of information obtained from death certificates from the U.S. vital statistics reporting units in the 50 States, New York City, and the District of Columbia. For a case to be included in NTOF, it must meet three criteria:

1. the decedent is 16 years of age or older;
2. the external cause of death is classified as E800-E999 (International Classification of Diseases, Ninth Revision (World Health Organization, 1977)); and
3. the "Injury at Work?" item is marked positive by the certifier.

### ***Why Death Certificates?***

While studies have shown that multiple source surveillance systems are the best approach in counting occupational fatalities, death certificates were chosen for NTOF because they are the single source that identifies the largest number of cases, and are fairly comparable between all vital statistics reporting units. Studies show that death certificates alone identify between 67% and 90% of all fatal work injuries among the various States (Baker et al., 1982; Karlson and Baker, 1978; Stout and Bell, 1991).

### ***Data Utility***

The NTOF system contains 30 variables useful for describing characteristics of victims as well as injury circumstances. Data elements include coded worker characteristics and injury circumstances such as sex, race, occupation, and cause of death. In addition, narrative text for industry, occupation, causes of death, and injury description is entered and maintained. Narrative data have been utilized in a number of focused analyses listed in the Additional Readings section of this document (Appendix VI).

### ***Data Coding: Industry/Occupation/Cause of Death***

Codes for 'usual' industry and occupation were assigned based on the narrative information contained on the death certificates. Two methods of coding were used for the periods 1980 through 1989, and 1990 through 1995. Prior to the availability of an automated coding system, narrative information from the occupation and industry items was manually hand-coded by an expert coder, starting with data year 1990. Earlier years of data had been coded using a crude software program with known problems. The Standardized Occupation and Industry Coding (SOIC) software,<sup>1</sup> a more sophisticated and accurate application released in 1998, was used to recode the data from 1980 through 1989. Cases that could not be assigned a code by the SOIC software were manually hand-coded if the death certificate contained adequate information. The industry and occupation narratives were coded according to the 1980 and 1990 Bureau of the Census classification schemes (Bureau of Census, 1982; Bureau of Census, 1992). Death certificates for which no occupation or industry entry was present or for which the entry was too vague were coded into the "not classified" category. Certificates which had entries such as "housewife" or "student" were also coded into the "not classified" category. Appendix I provides explanations of the abbreviations used in the tables for occupation and industry divisions. Appendices II and III provide codes for detailed industry and occupation groupings included in the tables.

Cause of death codes are based on the International Classification of Diseases, Ninth Revision (ICD-9) supplementary chapter for the classification of external causes of injury and poisoning (World Health Organization, 1977) as assigned by trained nosologists and compiled by the National Center for Health Statistics (NCHS) for the Vital Statistics Mortality data (National Center for Health Statistics, 1980-1995). Codes from this chapter, denoted with a preceding "E," cover the spectrum of unintentional and intentional causes of death, with the actual E-code rubrics of the aggregated categories shown in Appendix IV. E-codes in this report were aggregated in a manner

---

<sup>1</sup>The Standardized Occupation and Industry Coding (SOIC) System is a software application developed collaboratively by NIOSH and other agencies and organizations. The software system takes real-world literal descriptions of occupations and industries from death certificates and other documents, and translates them into the 1990 Bureau of the Census occupation and industry codes. Based on a comparison of cases that were coded both by the SOIC software and by hand, it was determined that 87% of the cases matched for both industry and occupation.

believed to be most beneficial for demonstrating exposures specific to traumatic occupational death. Alternative methods for grouping E-codes have been proposed, including the use of a matrix to present mechanism of injury within the major intent categories of unintentional, intentional, and self-inflicted (Centers for Disease Control and Prevention, 1997). While our rubric does not directly match the intent categories laid out in the suggested matrix framework, the authors believe the categories presented in this report are more beneficial for occupational death analysis and provide for continuity of earlier research. A footnote on Table US-8 provides information that may be used to calculate totals based on major intent categories.

### ***Calculation of Rates***

For this analysis, death certificates identified for inclusion in the NTOF data represent a complete count of traumatic occupational fatalities. These data therefore are not subject to sampling error, though they are subject to measurement error such as misclassification or failure to identify positive cases. The tables in this document include cells with counts of three or more deaths. Additionally, data for “Unknown” or “Not Classified” categories are only included for univariate tabulations.

Employment estimates for rate calculations were obtained from the Bureau of Labor Statistics’ (BLS) Current Population Survey (CPS), a population-based household sample survey of the civilian noninstitutionalized population. These data were extracted from the BLS *Employment and Earnings* and the CPS monthly micro data files (Bureau of Labor Statistics, 1981-1996; Bureau of Labor Statistics, 1992). Because the employment data are based on a sample survey, standard errors are associated with the workforce estimates. However, confidence intervals for fatality rates were not calculated for this publication but are addressed elsewhere.<sup>1</sup>

Fatality rates were calculated as deaths per 100,000 workers. Rates were not calculated for categories with less than three fatalities or less than 20,000 employees, due to the instability of rates based on small numbers. In addition to this safeguard, considerable caution should be exercised in the interpretation of rates based on less than 20 deaths due to the possibility of rate instability (National Center for Health Statistics, 1999). It should be noted that in some instances rates were calculated for 1983 through 1995 only (e.g., industry division by occupation division), due to the lack of comparably coded denominator data for the earlier period.

The employment data used for rate calculations were based on the number of workers, rather than hours of work (or full-time equivalents). Using the number of workers does not account for the difference in exposure for groups that commonly work less than a full-time schedule of 40 hours per week (e.g., youth and older workers). For most workers however, the injury rates are similar regardless of which type of employment measure is used (Ruser, 1998). In addition, crude rates are presented in this report rather than age-adjusted rates. Age adjustments made when calculating occupational injury death rates, in nearly all cases, have only a negligible effect as age is not the primary risk factor (Bailer et al., 1998). Lastly, there is a dissimilarity between death and employment data when State-specific rates are calculated. The death data indicate the State where the death occurred while the employment data indicate the State of residence. This should be kept in mind when reviewing State fatality rates as net commuter in- and outflows may artificially increase or decrease State-specific rates.

---

<sup>1</sup>Standard errors associated with the CPS are explained in BLS’ “Employment and Earnings” and “Geographic Profiles of Employment and Unemployment” (Bureau of Labor Statistics, 1981-1996; Bureau of Labor Statistics, 1982-1997).

### ***Limitations of Death Certificate Data***

Limitations of death certificates used to ascertain work-related fatality information have previously been described (Bell et al., 1990; Jenkins et al., 1993; Russell and Conroy, 1991; Stout and Bell, 1991). Incomplete or unclear information on the death certificate and the lack of a national standard for the completion of the “Injury at Work?” item on the death certificate during this period are particular problems. Motor vehicle crashes and homicides accentuate the difficulty of attempting to identify occupational injuries (Colorado Dept. of Health, 1988; Russell and Conroy, 1991). Furthermore, because death certificates ask if the injury occurred at work, the death certificate may not be a true measure of work-relatedness for certain causes of death. For instance, a suicide that takes place at work may or may not be associated with work per se.

Standardized guidelines for coding the “Injury at Work?” item on the death certificates were not introduced until 1992.<sup>1</sup> Certifier interpretation without the aid of standardized guidelines probably accentuated the problem of false positives being included in the data and false negatives not being identified. The improvements in the quality of the data, such as the sensitivity and positive predictive value, that resulted from these guidelines are unknown.

There are potential discrepancies in the collection of race and ethnicity in death data.<sup>2</sup> NCHS made the first official recommendation to the States to include separate questions for race and ethnicity on their respective death certificates in January 1987 (Tolson et al., 1991). Variation in the collection methods employed by States is possible prior to the implementation of this recommendation. Additionally, studies have shown that race and ethnicity can be confused, and the manner in which the information is gathered affects the subsequent estimates (Tucker and Kojetin, 1996; Bureau of Census, 1996; Bureau of Census, 1997). As a result of the different approaches to collecting “race” and “ethnicity” information, rates should be interpreted with caution (Hahn, 1992).

Death certificates query for the “usual” occupation and industry of the decedent. Studies comparing the reliability of “usual” occupation and industry reported on death certificates to information derived from personal interviews prior to death reported agreement for “usual” occupation to be 48% to 76%, and 57% to 76% for “usual” industry (Gute and Fulton, 1985; Schade and Swanson, 1988; Schumacher, 1986; Swanson et al., 1984; Turner et al., 1987). Studies comparing death certificate entries for usual occupation and industry to employment information at the time of death reported agreement for occupation to be 64% to 74%, and 60% to 76% for industry (Davis, 1988; Illis et al., 1987; Schade and Swanson, 1988). Additionally, “most recent” occupation and industry were incorrectly entered in the “usual” occupation and industry fields on death certificates in about 6% to 11% of the cases (Davis, 1988; Schade and Swanson, 1988). For these reasons, there exists the possibility that for any surveillance system based on death certificates, cases may be misclassified with respect to industry and occupation.

---

<sup>1</sup>In 1992, national guidelines for completing the “Injury at Work?” item were developed and disseminated by the Association for Vital Records and Health Statistics (now the National Association for Public Health Statistics and Information Systems), NIOSH, NCHS, and the National Center for Environmental Health (Appendix V).

<sup>2</sup>During the period from 1980 through 1995, categories for race and ethnicity were defined by the Office of Management and Budget’s Statistical Policy Directive 15. Racial and ethnic categories are not to be interpreted as biological or genetic, but are simply a social-political construct designed for collecting data. Race categories include: White, Black, Native American, and Asian/Pacific Islander. Ethnicity categories are: “Hispanic or Latino” and “Not Hispanic or Latino” (Office of Management and Budget, 1977).

Finally, this report only includes information on deaths of civilians who died at work in the U.S. Civilians who died at work while abroad, and military personnel, regardless of their duty station, are excluded. The number of U.S. civilian workers killed while abroad is not known. And while NTOF does contain military cases for those who died at work in the U.S., they were excluded from this report primarily because of difficulties in establishing a definition of work-relatedness comparable to that of civilians. Unlike civilians, whose death is generally considered work-related if the incident occurred (1) on an employer's premise, or (2) off the worksite premises but while the worker was conducting legitimate work duties, active duty military personnel are considered to be on-duty 24 hours per day (Helmkamp and Kennedy, 1996).

### ***Comparison of Data to Previously Published Fatal Occupational Injury Data***

The data contained in the current publication are comparable to those from the 1993 document with a few exceptions. In the current report, the industry and occupation narrative data from 1980 through 1989 were recoded, thus frequency counts and rates for these two variables may differ from what was published in the earlier document. Additionally, rates by industry, overall rates by state, and industry rates by state were calculated based on a different source of employment data. The fatality rates by industry, overall rates by state, and industry rates by state included in the earlier publication were calculated using County Business Patterns (CBP), an establishment-based census of employers, supplemented with data from the 1982 Agricultural Census and data for the public administration industry from the CPS. The CBP excludes agricultural production workers, domestic-service workers, railroad workers subject to the Railroad Retirement Act, most government workers, and the self-employed. These exclusions introduce a bias in the calculation of industry-specific incidence rates, resulting in artificially high rates. Because the CPS, which is a population-based survey, includes wage and salaried, self-employed, and all agricultural workers, it best matches the worker population included in NTOF. These differences are discussed in more detail elsewhere (Biddle and Kisner, 1998).

To address some of the limitations of death certificates and other existing data sources in the surveillance of fatal occupational injuries, in 1992 the BLS began collecting national work-related death data through the Census of Fatal Occupational Injuries (CFOI) system. The CFOI requirement that work-relatedness be substantiated by at least two sources has led to improvements in both the number of cases identified and the overall data accuracy. While CFOI and NTOF identified similar patterns from 1992 through 1995, NTOF captured 21,038 cases for this period compared to the 25,455 cases captured by CFOI (Toscano and Windau, 1998). Another difference between the two surveillance systems is that the coding systems used to specify cause of death differ. NTOF uses E-codes from the ICD-9 (World Health Organization, 1977) and CFOI uses the BLS-designed Occupational Injury and Illness Classification System (Toscano et al., 1996). Direct comparisons of the two systems are complicated, but broad results for cause of death are similar.

### **Additional Readings**

The last section in this document (Appendix VI) includes a list of articles and other publications that can be referred to for additional information. While not exhaustive, this list includes journal articles, NIOSH publications, and other articles that involved NTOF analyses.



## References

- Bailer AJ, Stayner LT, Stout NA, Reed LD, Gilbert SJ [1998]. Trends in rates of occupational fatal injuries in the United States (1983-92). *Occup Environ Med* 55:485-489.
- Baker SP, Samkoff JS, Fisher RS, VanBuren CB [1982]. Fatal occupational injuries. *JAMA* 248: 692-697.
- Bell CA, Stout NA, Bender TR, Conroy CS, Crouse WE, Myers JR [1990]. Fatal occupational injuries in the United States, 1980 through 1985. *JAMA* 236:3047-3050.
- Biddle EA, Kisner SM [1998]. Denominator effects on traumatic occupational fatality incidence rates. *MetLife Statistical Bulletin* 79: 28-36.
- Bureau of Census [1982]. 1980 census of population: alphabetic index of industries and occupations. Publication PHC80-R3. Washington, DC: US Department of Commerce, Bureau of Census.
- Bureau of Census [1992]. 1990 census of population and housing: alphabetic index of industries and occupations. Publication CPH-R-4. Washington, DC: US Department of Commerce, Bureau of Census.
- Bureau of Census [1996]. Findings on questions on race and hispanic origin tested in the 1996 national content survey. Population Division Working Paper No. 16. Washington, DC: US Department of Commerce, Bureau of Census.
- Bureau of Census [1997]. Results of the 1996 race and ethnic targeted test. Population Division Working Paper No. 18. Washington, DC: US Department of Commerce, Bureau of Census.
- Bureau of Labor Statistics [1981-1996]. Household data annual averages. Employment and earnings. Publications 28-40 (issue no. 1 for each year). Washington, DC: US Department of Labor, Bureau of Labor Statistics.
- Bureau of Labor Statistics [1982-1997]. Geographic profile of employment and unemployment. Washington, DC: US Department of Labor, Bureau of Labor Statistics.
- Bureau of Labor Statistics [1992]. Labor force, employment, and unemployment from the current population survey. In: *BLS Handbook of Methods*. Washington, DC: US Department of Labor, Bureau of Labor Statistics, pp. 3-12.
- Centers for Disease Control and Prevention [1997]. Recommended framework for presenting injury mortality data. *MMWR* 46 (RR14):1-30.
- Colorado Department of Health [1988]. Colorado population-based occupational injury and fatality surveillance system report, 1982-1984. Denver: Health Statistics Section, Colorado Department of Health.

Davis H [1988]. The accuracy of industry data from death certificates for workplace homicide victims. *Am J Public Health* 78: 1579-1581.

Gute DM, Fulton JP [1985]. Agreement of occupation and industry data on Rhode Island death certificates with two alternative sources of information. *Pub Hlth Reports* 100(1): 66-72.

Hahn RA [1992]. The state of federal health statistics on racial and ethnic groups. *JAMA* 267: 268-271.

Helmkamp JC, Kennedy RD [1996]. National mortality profile of active duty personnel in the U.S. armed forces: 1980-1993. (DHHS [NIOSH] Pub No. 96-103). Morgantown, WV: National Institute for Occupational Safety and Health.

Illis WR, Swanson GM, Satariano ER, Schwartz AG [1987]. Summary measures of occupational history. *Am J Public Health* 77: 1532-1534.

Jenkins EL, Kisner SM, Fosbroke DE, Layne LA, Stout NA, Castillo DN, Cutlip PM, Cianfrocco R [1993]. Fatal injuries to workers in the United States, 1980-1989: A decade of surveillance – National and state profiles. (DHHS [NIOSH] Pub No. 93-108S). Morgantown, WV: National Institute for Occupational Safety and Health.

Karlson TA, Baker SP [1978]. Fatal occupational injuries associated with motor vehicles. In: *Proceedings of the 22nd Conference of the American Association for Automotive Medicine*, Vol. 1. Arlington Heights, IL: American Association for Automotive Medicine: pp. 229-241.

National Center for Health Statistics [1999]. *Vital statistics of United States: Mortality, 1995 Technical Appendix*. Centers for Disease Control and Prevention: National Center for Health Statistics.

National Center for Health Statistics [1980-1995]. *Vital statistics mortality public use data*. Centers for Disease Control and Prevention: National Center for Health Statistics.

Office of Management and Budget [1977]. *Race and ethnic standards for federal statistics and administrative reporting*. Statistical Policy Directive No. 15. Washington, DC: Office of Management and Budget.

Ruser JW [1998]. Denominator choice in the calculation of workplace fatality rates. In: *Fatal Workplace Injuries in 1996: A Collection of Data and Analysis*. Report 922. Washington, DC: US Department of Labor, Bureau of Labor Statistics.

Russell J, Conroy C [1991]. Representativeness of deaths identified through the injury-at-work item on the death certificate: implications for surveillance. *Am J Public Health* 81: 1613-1618.

Schade WJ, Swanson GM [1988]. Comparison of death certificate occupation and industry data with life-time occupational histories obtained by interview. *Am J Ind Med* 14: 121-136.

Schumacher MC [1986]. Comparison of occupation and industry information from death certificates and interviews. *Am J Pub Hlth* 76(6): 635-637.

Stout NA, Bell CA [1991]. Effectiveness of source documents for identifying fatal occupational injuries: a synthesis of studies. *Am J Public Health* 81: 725-728.

Swanson GM, Schwartz AG, Burrows RW [1984]. An assessment of occupation and industry data from death certificates and hospital medical records for population-based cancer surveillance. *Am J Pub Hlth* 74(5): 464-467.

Tolson GC, Barnes JM, Hay GA, Kowaleski JL [1991]. The 1989 revision of the U.S. standard certificates and reports. *Vital Health Stat* 4(28). Washington, DC: US Department of Health and Human Services, National Center for Health Statistics.

Toscano G, Windau J [1998]. Profile of fatal work injuries in 1996. In: *Fatal Workplace Injuries in 1996: A Collection of Data and Analysis*. Report 922. Washington, DC: US Department of Labor, Bureau of Labor Statistics

Toscano G, Windau J, Drudi D [1996]. Using the BLS occupational injury and illness classification system as a safety and health management tool. In: *Fatal Workplace Injuries in 1994: A Collection of Data and Analysis*. Report 908. Washington, DC: US Department of Labor, Bureau of Labor Statistics.

Tucker GC, Kojetin B [1996]. Testing racial and ethnic origin questions in the CPS supplement. In: *Monthly Labor Review*, September 1996. Washington, DC: US Department of Labor, Bureau of Labor Statistics.

Turner DW, Schumacher MC, West DW [1987]. Comparison of occupational interview data to death certificate data in Utah. *Am J Ind Med* 12: 145-151.

World Health Organization [1977]. *International classification of diseases: manual on the international statistical classification of diseases, injuries, and causes of death*. 9th Rev. Geneva, Switzerland.



## National Data

*Table US-1. Number and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Year, US, 1980-1995.*

YEAR OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
1980	7,343	7.4
1981	7,061	7.0
1982	6,378	6.4
1983	5,784	5.7
1984	6,113	5.8
1985	6,192	5.8
1986	5,624	5.1
1987	5,813	5.2
1988	5,710	5.0
1989	5,679	4.8
1990	5,384	4.6
1991	5,219	4.5
1992	5,032	4.3
1993	5,286	4.4
1994	5,406	4.4
1995	5,314	4.3
<b>Total</b>	<b>93,338</b>	<b>5.2</b>

*Table US-2. Number and Average Annual Rate (per 100,000 workers) of Traumatic Occupational Fatalities by State of Death, US, 1980-1995.*

STATE	NO. OF DEATHS	RATE PER 100,000
Alabama	1,864	6.8
Alaska	897	24.3
Arizona	590	2.4
Arkansas	1,335	8.2
California	9,670	4.7
Colorado	1,631	6.2
Connecticut	445	1.7
Delaware	203	4.0
Dist Columbia	296	6.3
Florida	5,596	6.5
Georgia	3,253	7.1
Hawaii	348	4.4
Idaho	784	10.7
Illinois	4,169	4.9
Indiana	2,284	5.5
Iowa	1,373	6.2
Kansas	1,177	6.1
Kentucky	2,037	8.0
Louisiana	2,288	8.3
Maine	404	4.6
Maryland	1,213	3.3
Massachusetts	990	2.1
Michigan	2,433	3.7
Minnesota	1,093	3.1
Mississippi	1,683	10.1
Missouri	1,815	4.8

STATE	NO. OF DEATHS	RATE PER 100,000
Montana	750	12.4
Nebraska	1,004	8.0
Nevada	678	7.7
New Hampshire	256	3.0
New Jersey	1,523	2.6
New Mexico	755	7.5
New York	3,567	2.8
North Carolina	2,657	5.4
North Dakota	441	8.9
Ohio	2,662	3.4
Oklahoma	1,328	5.8
Oregon	1,546	7.3
Pennsylvania	3,926	4.7
Rhode Island	194	2.6
South Carolina	1,408	5.8
South Dakota	495	9.2
Tennessee	1,970	5.7
Texas	9,423	7.7
Utah	926	7.8
Vermont	194	4.4
Virginia	2,495	5.4
Washington	1,783	5.2
West Virginia	1,142	10.4
Wisconsin	1,729	4.5
Wyoming	615	16.7

**Table US-3.** *Number and Average Annual Rate\* (per 100,000 workers) of Traumatic Occupational Fatalities by Sex, Race, and Age Group, US, 1980-1995.*

DEMOGRAPHICS	NUMBER OF DEATHS	RATE PER 100,000
Sex		
Male	87,254	8.8
Female	6,078	0.8
Unknown	6	---
Race		
White	79,487	5.1
Black	10,273	5.8
Other	2,693	4.9
Unknown	885	---
Age Group		
16-17	892	2.2
18-19	2,508	3.9
20-24	10,012	4.7
25-34	24,109	4.8
35-44	20,184	4.6
45-54	15,983	5.3
55-64	12,633	7.0
65+	6,922	13.6
Unknown	95	---

\* Rates not calculated for “unknown” or “not classified” categories.

**Table US-4. Number\* and Rate (per 100,000 workers) of Traumatic Occupational Fatalities for Sex, Race, and Age Group, by Year, US, 1980-1995.**



DEMOGRAPHICS		YEAR OF DEATH															
		1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
Sex																	
Male	No.	6,914	6,677	6,007	5,461	5,758	5,807	5,258	5,428	5,334	5,285	5,035	4,836	4,688	4,908	4,970	4,888
	Rate	12.3	11.6	10.7	9.6	9.7	9.7	8.6	8.7	8.4	8.2	7.8	7.6	7.3	7.5	7.5	7.3
Female	No.	429	384	371	323	355	385	366	385	376	394	349	381	343	378	433	426
	Rate	1.0	0.9	0.9	0.7	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.6	0.7	0.8	0.7
Race																	
White	No.	6,312	6,128	5,522	5,002	5,313	5,302	4,837	4,955	4,901	4,865	4,486	4,284	4,200	4,389	4,516	4,475
	Rate	7.3	6.9	6.3	5.6	5.8	5.7	5.1	5.1	4.9	4.8	4.4	4.2	4.1	4.3	4.3	4.2
Black	No.	841	739	661	594	629	689	614	689	585	644	611	616	531	591	628	611
	Rate	9.2	7.9	7.2	6.3	6.2	6.6	5.7	6.1	5.0	5.4	5.1	5.2	4.4	4.9	4.9	4.6
Other	No.	126	141	137	139	138	167	123	145	142	147	147	203	222	266	252	198
	Rate	7.0	6.0	5.6	5.4	5.0	5.7	3.9	4.3	4.1	3.9	3.8	5.1	5.3	6.1	5.0	3.9
Age Group																	
16-17	No.	125	100	86	45	53	52	60	53	48	47	47	28	39	34	40	35
	Rate	4.0	3.5	3.4	1.9	2.2	2.1	2.3	1.9	1.8	1.8	2.0	1.3	1.8	1.5	1.6	1.4
18-19	No.	320	267	207	204	180	155	171	146	141	123	137	101	80	86	89	101
	Rate	6.9	6.1	5.1	5.0	4.4	3.9	4.4	3.7	3.4	2.9	3.3	2.7	2.3	2.4	2.4	2.6
20-24	No.	1,051	988	843	721	786	728	614	615	568	509	495	445	408	410	444	387
	Rate	7.4	7.0	6.1	5.2	5.5	5.2	4.5	4.5	4.3	3.9	3.7	3.4	3.2	3.2	3.5	3.1
25-34	No.	1,842	1,896	1,641	1,472	1,644	1,682	1,519	1,550	1,550	1,561	1,403	1,332	1,241	1,294	1,296	1,186
	Rate	6.8	6.7	5.8	5.1	5.4	5.4	4.7	4.7	4.6	4.6	4.1	4.0	3.8	4.0	4.0	3.7
35-44	No.	1,281	1,190	1,204	1,193	1,237	1,331	1,201	1,217	1,230	1,257	1,242	1,290	1,274	1,351	1,346	1,340
	Rate	6.6	5.9	5.8	5.4	5.2	5.4	4.6	4.5	4.4	4.3	4.0	4.1	4.0	4.1	4.0	3.9
45-54	No.	1,176	1,178	1,068	939	971	939	917	913	939	970	942	926	945	1,001	1,055	1,104
	Rate	7.2	7.2	6.7	5.9	6.0	5.7	5.4	5.2	5.1	5.0	4.8	4.7	4.5	4.5	4.5	4.5
55-64	No.	1,026	963	865	805	824	895	747	857	795	777	692	692	627	673	700	695
	Rate	8.8	8.4	7.6	7.1	7.2	7.8	6.5	7.5	7.0	6.8	6.2	6.3	5.7	6.1	6.2	6.1
65+	No.	509	472	458	402	414	398	387	457	436	427	424	401	417	432	429	459
	Rate	17.0	15.8	15.5	13.5	14.4	14.1	13.2	15.0	13.6	12.7	12.6	12.1	12.4	12.9	11.6	12.4

\*Numbers not reported for "unknown" or "not classified" categories.

**Table US-5.** Number\* and Average Annual Rate (per 100,000 workers) of Traumatic Occupational Fatalities for Race and Age Group, by Sex, US, 1980-1995.

DEMOGRAPHICS	SEX			
	MALE		FEMALE	
	No.	Rate	No.	Rate
Race				
White	74,446	8.6	5,037	0.7
Black	9,521	10.7	752	0.8
Other	2,446	7.8	245	0.9
Age Group				
16-17	814	3.8	78	0.4
18-19	2,321	7.1	186	0.6
20-24	9,262	8.2	750	0.7
25-34	22,439	8.0	1,668	0.8
35-44	18,869	7.9	1,313	0.7
45-54	15,012	9.0	970	0.7
55-64	11,966	11.4	667	0.9
65+	6,480	21.5	442	2.1

\*Numbers not reported for “unknown” or “not classified” categories.

**Table US-6.** Number\* and Average Annual Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Age Group and Race, US, 1980-1995.

AGE GROUP	RACE					
	WHITE		BLACK		OTHER	
	No.	Rate	No.	Rate	No.	Rate
16-17	785	2.1	77	2.6	23	2.3
18-19	2,229	4.0	193	3.4	66	3.8
20-24	8,674	4.7	950	4.3	285	4.3
25-34	20,308	4.7	2,749	5.0	812	4.6
35-44	16,809	4.5	2,487	5.5	681	4.4
45-54	13,485	5.2	1,898	6.7	449	4.7
55-64	10,907	6.7	1,338	8.6	281	6.5
65+	6,234	13.5	560	14.6	90	9.5

\*Numbers not reported for “unknown” or “not classified” categories.

*Table US-7. Number and Average Annual Rate\* (per 100,000 workers) of Traumatic Occupational Fatalities by Cause of Death and Sex, US, 1980-1995.*

CAUSE OF DEATH	TOTAL		MALE		FEMALE	
	No.	Rate	No.	Rate	No.	Rate
Motor Vehicle	21,715	1.2	20,175	2.0	1,539	0.2
Homicide	12,863	0.7	10,302	1.0	2,560	0.3
Machine	12,334	0.7	12,053	1.2	281	< 0.1
Fall	9,070	0.5	8,760	0.9	308	< 0.1
Electrocution	6,233	0.3	6,190	0.6	43	< 0.1
Struck by Falling Object	5,984	0.3	5,917	0.6	67	< 0.1
Air Transport	3,261	0.2	3,043	0.3	218	< 0.1
Suicide	3,155	0.2	2,907	0.3	248	< 0.1
Nature/Environment	2,394	0.1	2,280	0.2	114	< 0.1
Explosion	2,344	0.1	2,254	0.2	90	< 0.1
Flying Object/Caught In	2,172	0.1	2,130	0.2	42	< 0.1
Water Transport	1,813	0.1	1,779	0.2	34	< 0.1
Suffocation	1,715	0.1	1,674	0.2	41	< 0.1
Fire	1,591	0.1	1,449	0.1	142	< 0.1
Poisoning	1,455	0.1	1,389	0.1	66	< 0.1
Drowning	1,358	0.1	1,292	0.1	66	< 0.1
Rail Transport	661	< 0.1	650	0.1	11	< 0.1
Other	2,622	0.1	2,461	0.2	159	< 0.1
Unknown/Undetermined	598	---	549	---	49	---

\* Rates not calculated for “unknown” or “not classified” categories.

*Table US-8. Number\* of Traumatic Occupational Fatalities by Cause of Death and Year, US, 1980-1995.*

CAUSE OF DEATH	YEAR OF DEATH															
	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
Motor Vehicle	1,639	1,544	1,326	1,333	1,523	1,426	1,246	1,350	1,407	1,463	1,300	1,104	1,129	1,268	1,338	1,319
Homicide	913	935	854	719	657	750	681	674	714	696	735	901	888	951	928	867
Machine	979	1,025	956	798	815	837	772	826	739	745	699	678	664	623	580	598
Fall	702	699	608	545	570	635	523	576	570	553	587	491	446	476	553	536
Electrocution	575	509	498	439	484	399	440	406	381	329	320	311	270	274	294	304
Struck by Falling Object	476	442	426	383	407	431	428	420	350	371	355	341	286	295	310	263
Air Transport	283	262	251	199	236	232	201	224	163	191	141	162	180	188	179	169
Suicide	151	164	197	167	182	223	189	242	212	206	185	198	197	208	205	229
Nature/Environment	174	174	159	152	143	120	136	162	157	140	123	126	157	161	156	154
Explosion	201	254	162	166	159	199	134	111	133	159	143	112	105	102	99	105
Flying Object/Caught In	203	187	141	151	155	139	140	137	152	134	128	99	100	91	115	100
Water Transport	153	135	124	140	115	137	93	89	120	137	125	108	101	100	69	67
Suffocation	149	140	131	100	115	134	118	122	110	86	101	75	79	81	82	92
Fire	161	113	123	85	156	136	93	78	109	87	87	118	53	46	77	69
Poisoning	119	121	92	80	110	101	84	89	97	111	77	61	80	74	90	69
Drowning	109	88	98	99	102	76	77	86	66	93	77	96	66	82	79	64
Rail Transport	74	43	46	45	45	34	44	56	35	45	29	29	25	46	36	29
Other <sup>†</sup>	226	159	129	143	115	164	151	140	167	107	137	179	181	190	190	244

\*Numbers not reported for “unknown” or “not classified” categories.

†For the purpose of cross-classification, the “Other” category contains 47 cases coded as E970-E978 and 45 in E990-E999.

*Table US-9. Rate (per 100,000 workers) of Traumatic Occupational Fatalities  
by Cause of Death and Year, US, 1980-1995.*

CAUSE OF DEATH	YEAR OF DEATH															
	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
Motor Vehicle	1.7	1.5	1.3	1.3	1.5	1.3	1.1	1.2	1.2	1.2	1.1	0.9	1.0	1.1	1.1	1.1
Homicide	0.9	0.9	0.9	0.7	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.8	0.8	0.8	0.8	0.7
Machine	1.0	1.0	1.0	0.8	0.8	0.8	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5
Fall	0.7	0.7	0.6	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4
Electrocution	0.6	0.5	0.5	0.4	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2
Struck by Falling Object	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.2
Air Transport	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.1	0.1	0.2	0.2	0.1	0.1
Suicide	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Nature/Environment	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Explosion	0.2	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Flying Object/Caught In	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Water Transport	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Suffocation	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Fire	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	< 0.1	< 0.1	0.1	0.1
Poisoning	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Drowning	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Rail Transport	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Other	0.2	0.2	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2

**Table US-10.** Number\* and Average Annual Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Cause of Death and Race, US, 1980-1995.

CAUSE OF DEATH	RACE					
	WHITE		BLACK		OTHER	
	No.	Rate	No.	Rate	No.	Rate
Motor Vehicle	19,128	1.2	2,139	1.2	359	0.7
Homicide	9,138	0.6	2,479	1.4	1,106	2.0
Machine	11,028	0.7	1,044	0.6	174	0.3
Fall	7,862	0.5	835	0.5	175	0.3
Electrocution	5,696	0.4	444	0.3	51	0.1
Struck by Falling Object	5,075	0.3	769	0.4	70	0.1
Air Transport	3,140	0.2	57	< 0.1	51	0.1
Suicide	2,855	0.2	179	0.1	103	0.2
Nature/Environment	2,072	0.1	255	0.1	41	0.1
Explosion	2,025	0.1	264	0.1	41	0.1
Flying Object/Caught In	1,847	0.1	256	0.1	41	0.1
Water Transport	1,355	0.1	197	0.1	236	0.4
Suffocation	1,504	0.1	172	0.1	26	< 0.1
Fire	1,308	0.1	226	0.1	30	0.1
Poisoning	1,254	0.1	162	0.1	23	< 0.1
Drowning	1,002	0.1	274	0.2	61	0.1
Rail Transport	561	< 0.1	81	< 0.1	8	< 0.1
Other	2,153	0.1	370	0.2	71	0.1

\*Numbers not reported for "unknown" or "not classified" categories.

*Table US-11. Number\*\* of Traumatic Occupational Fatalities  
by Cause of Death and Age Group, US, 1980-1995.*

CAUSE OF DEATH	AGE GROUP (IN YEARS)							
	16-17	18-19	20-24	25-34	35-44	45-54	55-64	65+
Motor Vehicle	223	567	2,235	5,708	4,757	3,961	2,950	1,298
Homicide	113	312	1,314	3,379	3,031	2,207	1,572	908
Machine	143	392	1,261	2,591	2,089	1,911	2,038	1,906
Fall	53	187	810	2,072	1,776	1,678	1,619	867
Electrocution	92	265	1,094	2,223	1,332	735	385	104
Struck by Falling Object	34	157	596	1,473	1,355	1,161	827	380
Air Transport	4	18	258	1,035	943	636	301	62
Suicide	19	61	282	626	752	668	536	210
Nature/Environment	30	66	231	538	523	374	360	265
Explosion	15	59	249	698	612	391	251	68
Flying Object/Caught In	20	63	283	565	459	382	295	105
Water Transport	16	60	295	568	393	267	164	45
Suffocation	30	76	220	502	363	255	188	77
Fire	10	33	165	441	331	268	194	143
Poisoning	23	56	198	467	350	198	110	53
Drowning	33	60	235	380	264	169	151	65
Rail Transport	---	10	29	145	174	163	129	10
Other	26	52	201	531	548	466	478	316

\*Numbers not reported for cells with less than 3 deaths.

†Numbers not reported for “unknown” or “not classified” categories.

**Table US-12.** Average Annual Rate\* (per 100,000 workers) of Traumatic Occupational Fatalities by Cause of Death and Age Group, US, 1980-1995.

CAUSE OF DEATH	AGE GROUP (IN YEARS)							
	16-17	18-19	20-24	25-34	35-44	45-54	55-64	65+
Motor Vehicle	0.5	0.9	1.0	1.1	1.1	1.3	1.6	2.5
Homicide	0.3	0.5	0.6	0.7	0.7	0.7	0.9	1.8
Machine	0.4	0.6	0.6	0.5	0.5	0.6	1.1	3.7
Fall	0.1	0.3	0.4	0.4	0.4	0.6	0.9	1.7
Electrocution	0.2	0.4	0.5	0.4	0.3	0.2	0.2	0.2
Struck by Falling Object	0.1	0.2	0.3	0.3	0.3	0.4	0.5	0.7
Air Transport	< 0.1	< 0.1	0.1	0.2	0.2	0.2	0.2	0.1
Suicide	< 0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.4
Nature/Environment	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.5
Explosion	< 0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Flying Object/Caught In	< 0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
Water Transport	< 0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Suffocation	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
Fire	< 0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
Poisoning	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Drowning	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Rail Transport	---	< 0.1	< 0.1	< 0.1	< 0.1	0.1	0.1	< 0.1
Other	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.6

\*Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table US-13.** Number and Average Annual Rate\* (per 100,000 workers) of Traumatic Occupational Fatalities by Industry Division, US, 1980-1995.

INDUSTRY DIVISION	NUMBER OF DEATHS	RATE PER 100,000
Construction	17,140	15.3
Trans/Comm/PU	15,604	12.6
Manufacturing	14,034	4.2
Ag/For/Fish	10,737	19.6
Services	10,056	1.7
Retail Trade	8,631	2.9
Public Admin	4,343	5.1
Mining	3,995	30.4
Wholesale Trade	2,741	3.8
Finance/Insur/RE	1,271	1.1
Not Classified	4,786	---

\* Rates not calculated for “unknown” or “not classified” categories.

*Table US-14. Number\* and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Industry Division and Year, US, 1980-1995.*

INDUSTRY DIVISION	YEAR OF DEATH																
	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	
Ag/For/Fish	No.	821	794	744	658	717	752	653	702	645	683	603	615	598	608	587	557
	Rate	23.7	23.0	20.8	18.6	20.7	22.5	19.5	20.6	19.4	20.2	18.0	18.1	17.7	18.7	16.4	15.5
Mining	No.	414	505	368	289	357	277	218	174	162	193	219	175	147	170	168	159
	Rate	44.0	46.8	35.8	31.4	37.3	29.5	24.8	21.3	21.5	26.8	30.0	23.9	22.1	25.4	25.1	25.4
Construction	No.	1,271	1,230	1,087	1,035	1,113	1,190	1,102	1,197	1,098	1,104	1,077	893	890	885	967	1,001
	Rate	21.0	20.8	18.9	16.8	16.7	17.0	15.1	16.1	14.4	14.4	14.0	12.6	12.7	12.3	12.9	13.1
Manufacturing	No.	1,135	1,089	952	884	967	926	893	898	885	866	838	793	736	713	727	732
	Rate	5.3	5.1	4.7	4.4	4.6	4.4	4.3	4.3	4.2	4.0	4.0	3.9	3.7	3.6	3.6	3.6
Trans/Comm/PU	No.	1,223	1,139	1,078	961	1,041	1,101	938	918	970	987	847	853	828	927	897	896
	Rate	19.1	17.5	16.5	13.8	14.1	14.6	12.3	11.6	12.0	12.2	10.4	10.4	10.0	10.9	10.3	10.3
Wholesale Trade	No.	195	193	165	170	176	182	167	159	172	152	167	169	153	169	177	175
	Rate	5.1	4.9	4.0	3.9	4.2	4.2	3.8	3.5	3.8	3.3	3.6	3.6	3.2	3.7	3.8	3.5
Retail Trade	No.	625	618	567	485	460	506	439	489	497	474	544	581	574	634	631	507
	Rate	3.9	3.8	3.4	2.9	2.6	2.8	2.4	2.6	2.6	2.4	2.8	3.0	2.9	3.1	3.0	2.4
Finance/Insur/RE	No.	75	91	71	72	84	63	76	84	73	77	75	89	76	85	88	92
	Rate	1.3	1.5	1.1	1.1	1.2	0.9	1.0	1.1	0.9	1.0	0.9	1.1	1.0	1.1	1.1	1.2
Services	No.	714	642	649	597	590	621	563	595	635	625	606	656	596	642	678	647
	Rate	2.6	2.2	2.2	1.9	1.8	1.9	1.6	1.7	1.7	1.6	1.6	1.7	1.5	1.5	1.6	1.5
Public Admin	No.	323	312	284	290	262	249	270	283	295	254	213	183	246	261	273	345
	Rate	6.2	6.0	5.4	6.2	5.5	5.0	5.3	5.4	5.4	4.6	3.8	3.2	4.4	4.5	4.7	5.8

\*Numbers not reported for "unknown" or "not classified" categories.

**Table US-15. Number\*\* of Traumatic Occupational Fatalities  
by Cause of Death and Industry Division, US, 1980-1995.**

CAUSE OF DEATH	INDUSTRY DIVISION									
	AG/FOR/ FISH	MINING	CONSTRUC- TION	MANUFAC- TURING	TRANS/ COMM/ PU	WHOLESALE TRADE	RETAIL TRADE	FINANCE/ INSUR/RE	SERVICES	PUBLIC ADMIN
Motor Vehicle	1,767	664	2,846	2,100	7,268	1,061	1,302	277	2,009	1,350
Homicide	281	36	493	887	1,258	232	4,917	429	2,329	1,193
Machine	3,625	952	2,272	2,616	747	327	319	65	641	194
Fall	573	227	4,456	1,115	583	178	311	108	913	198
Electrocution	655	276	2,293	813	1,018	126	142	32	481	111
Struck by Falling Object	597	539	1,261	2,043	449	140	147	13	474	95
Air Transport	287	81	116	312	1,327	68	90	76	451	321
Suicide	241	24	263	391	251	119	526	133	815	186
Nature/Environment	584	173	434	461	217	47	74	13	207	55
Explosion	87	312	354	719	209	103	118	11	274	45
Flying Object/Caught In	176	173	428	654	286	70	71	14	151	34
Water Transport	728	63	115	107	557	14	35	---	83	37
Suffocation	220	102	672	214	96	84	53	7	122	37
Fire	125	93	220	446	104	45	104	12	197	150
Poisoning	135	101	209	306	160	31	86	13	269	36
Drowning	325	76	212	115	203	16	27	17	201	61
Rail Transport	12	15	24	64	490	13	8	---	21	7
Other	262	67	408	596	285	55	227	34	331	186

\*Numbers not reported for cells with less than 3 deaths.

†Numbers not reported for “unknown” or “not classified” categories.

*Table US-16. Average Annual Rate\* (per 100,000 workers) of Traumatic Occupational Fatalities by Cause of Death and Industry Division, US, 1980-1995.*

CAUSE OF DEATH	INDUSTRY DIVISION									
	AG/FOR/ FISH	MINING	CONSTRUC- TION	MANUFAC- TURING	TRANS/ COMM/ PU	WHOLESALE TRADE	RETAIL TRADE	FINANCE/ INSUR/RE	SERVICES	PUBLIC ADMIN
Motor Vehicle	3.2	5.1	2.5	0.6	5.9	1.5	0.4	0.2	0.3	1.6
Homicide	0.5	0.3	0.4	0.3	1.0	0.3	1.7	0.4	0.4	1.4
Machine	6.6	7.3	2.0	0.8	0.6	0.5	0.1	0.1	0.1	0.2
Fall	1.0	1.7	4.0	0.3	0.5	0.2	0.1	0.1	0.2	0.2
Electrocution	1.2	2.1	2.1	0.2	0.8	0.2	< 0.1	< 0.1	0.1	0.1
Struck by Falling Object	1.1	4.1	1.1	0.6	0.4	0.2	< 0.1	< 0.1	0.1	0.1
Air Transport	0.5	0.6	0.1	0.1	1.1	0.1	< 0.1	0.1	0.1	0.4
Suicide	0.4	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.1	0.2
Nature/Environment	1.1	1.3	0.4	0.1	0.2	0.1	< 0.1	< 0.1	< 0.1	0.1
Explosion	0.2	2.4	0.3	0.2	0.2	0.1	< 0.1	< 0.1	< 0.1	0.1
Flying Object/Caught In	0.3	1.3	0.4	0.2	0.2	0.1	< 0.1	< 0.1	< 0.1	< 0.1
Water Transport	1.3	0.5	0.1	< 0.1	0.5	< 0.1	< 0.1	---	< 0.1	< 0.1
Suffocation	0.4	0.8	0.6	0.1	0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1
Fire	0.2	0.7	0.2	0.1	0.1	0.1	< 0.1	< 0.1	< 0.1	0.2
Poisoning	0.2	0.8	0.2	0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Drowning	0.6	0.6	0.2	< 0.1	0.2	< 0.1	< 0.1	< 0.1	< 0.1	0.1
Rail Transport	< 0.1	0.1	< 0.1	< 0.1	0.4	< 0.1	< 0.1	---	< 0.1	< 0.1
Other	0.5	0.5	0.4	0.2	0.2	0.1	0.1	< 0.1	0.1	0.2

\*Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table US-17. Number\*\*† and Average Annual Rate‡ (per 100,000 workers) of Traumatic Occupational Fatalities by Industry Division and Age Group, US, 1983-1995.**

INDUSTRY DIVISION		AGE GROUP (IN YEARS)							
		16-17	18-19	20-24	25-34	35-44	45-54	55-64	65+
Ag/For/Fish	No.	48	196	734	1,609	1,362	1,201	1,329	1,884
	Rate	2.8	10.5	14.7	15.1	15.2	18.1	22.8	48.0
Mining	No.	6	39	321	939	651	428	230	91
	Rate	28.0	35.5	42.5	29.0	21.1	23.9	24.8	59.5
Construction	No.	51	349	1,559	3,895	3,113	2,275	1,694	608
	Rate	6.2	12.9	13.3	12.7	13.0	15.5	19.9	36.4
Manufacturing	No.	17	202	1,011	2,750	2,548	2,006	1,671	651
	Rate	1.2	4.0	3.7	3.4	3.5	4.0	5.8	16.0
Trans/Comm/PU	No.	8	125	872	3,327	3,295	2,451	1,618	460
	Rate	2.4	10.0	10.4	10.9	10.4	12.0	16.0	30.9
Wholesale Trade	No.	5	56	193	593	512	395	287	144
	Rate	1.2	4.7	3.1	3.2	3.3	4.0	4.7	8.2
Retail Trade	No.	35	215	762	1,624	1,500	1,171	931	574
	Rate	0.2	0.9	1.7	2.6	3.4	4.0	4.8	8.0
Finance/Insur/RE	No.	---	9	59	231	220	223	185	107
	Rate	---	0.5	0.5	0.8	0.9	1.3	1.9	3.2
Services	No.	21	152	778	2,075	1,838	1,434	1,121	632
	Rate	0.3	1.1	1.5	1.6	1.4	1.7	2.2	3.8
Public Admin	No.	---	33	238	1,021	929	625	421	157
	Rate	---	5.6	5.4	5.3	4.3	4.2	5.6	9.4

\*Numbers not reported for cells with less than 3 deaths.

†Numbers not reported for “unknown” or “not classified” categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table US-18.** Number and Average Annual Rate\* (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Industry Groupings, US, 1983-1995.

DETAILED INDUSTRY	NO. OF DEATHS	RATE	DETAILED INDUSTRY	NO. OF DEATHS	RATE
Ag/For/Fish			Retail Trade		
Ag Production	6,139	20.0	Food Stores	1,771	4.3
Ag Services	1,183	10.1	Motor Veh/Auto Supply Dealer	1,138	4.2
Forestry & Fisheries	1,056	47.7	Apparel & Accessory Stores	126	1.0
Mining			Eating & Drinking Places	1,482	2.0
Metal/Coal/Nonmetal Mining	1,262	30.0	Other Retail Trade	2,304	2.4
Oil and Gas Extraction	1,446	24.6	Finance/Insur/RE		
Construction	13,552	14.3	Banking and Other Finance	288	0.7
Manufacturing			Insurance and Real Estate	746	1.3
Food & Kindred Prod	1,015	4.5	Services		
Textile Mill Prod	227	2.5	Business Services	1,583	2.6
Apparel & Other Textile Pr	84	0.6	Automobile and Repair Services	2,086	7.9
Paper & Allied Products	319	3.5	Private Household Services	162	1.1
Printing/Publishing/Allied	347	1.5	Pers Serv Exc Priv Household	912	2.1
Chemical/Petroleum/Rubber	1,099	3.9	Entertainment & Rec Services	684	3.3
Lumber & Wood	2,843	29.8	Hospitals	390	0.6
Furniture	141	1.7	Health Services, Exc Hosp	405	0.7
Stone/Clay/Concrete	459	6.0	Educational Services	823	0.7
Primary Metals	1,006	9.7	Other Professional Services	1,006	1.1
Fabricated Metals	453	2.7	Public Admin		
Mach, Ex Elect	640	2.0	Justice, Pub Order, & Safety	1,990	7.9
Elect Mach, Equip Supplies	346	1.3	Admin of Hum Res Programs	47	0.5
Motor Vehicles Equip	332	2.2	National Sec/Internal Affairs	311	2.9
Aircraft & Parts	153	2.0	Other Pub Admin	1,035	4.1
Other Transport Equip	337	3.6	Not Classified	3,419	---
Prof & Photo Equip/Watches	50	0.5			
Toys/Amusement/Sporting Goods	15	0.8			
Misc & NEC Industries	992	12.1			
Trans/Comm/PU					
Trucking/Warehousing/Storage	5,966	23.3			
Other Transportation	3,936	10.2			
Telephone Communications	222	1.5			
Other Communications	204	3.5			
Electric Light and Power	814	9.4			
Other Utility/Sanitary Service	1,022	9.0			
Wholesale Trade	2,188	3.7			

\* Rates not calculated for "unknown" or "not classified" categories.

**Table US-19. Number of Traumatic Occupational Fatalities  
by Selected Detailed Industry Groupings\* and Year, US, 1983-1995.**

DETAILED INDUSTRY	YEAR OF DEATH												
	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
Forestry & Fisheries	67	75	93	66	73	77	125	85	87	92	81	77	58
Metal/Coal/Nonmetal Mining	113	158	92	113	91	69	88	100	99	89	93	70	87
Lumber & Wood MFG	238	237	246	251	259	245	250	224	211	204	163	158	157
Oil and Gas Extraction	176	199	185	105	83	93	105	119	76	58	77	98	72
Trucking/Warehousing/Storage	476	545	551	480	460	533	493	406	376	371	405	428	442
Ag Production	523	549	586	502	541	494	449	420	430	429	426	401	389
Construction	1,035	1,113	1,190	1,102	1,197	1,098	1,104	1,077	893	890	885	967	1,001
Other Transportation	295	301	326	287	291	270	297	284	330	309	354	306	286
Ag Services	68	93	73	85	88	74	109	98	98	77	101	109	110
Primary Metals MFG	93	95	88	92	90	89	75	73	62	62	68	55	64
Electric Light and Power	74	79	87	78	64	74	78	62	39	50	42	37	50
Other Utility/Sanitary Service	80	91	103	66	72	61	89	66	75	70	87	87	75
Automobile and Repair Services	171	143	171	150	159	181	166	165	157	129	178	130	186
Justice, Pub Order, & Safety	150	138	153	153	159	183	168	120	123	147	167	152	177
Stone/Clay/Concrete MFG	48	54	59	41	42	29	26	25	30	30	30	21	24

\* The selected groupings had the highest rates per 100,000 workers.

*Table US-20. Rate (per 100,000 workers) of Traumatic Occupational Fatalities  
by Selected Detailed Industry Groupings\* and Year, US, 1983-1995.*

DETAILED INDUSTRY	YEAR OF DEATH												
	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
Forestry & Fisheries	41.3	49.5	58.6	35.2	38.2	49.8	68.3	48.3	54.1	52.1	43.9	44.2	37.8
Metal/Coal/Nonmetal Mining	33.0	46.7	26.4	32.8	26.6	21.3	26.2	29.1	31.7	29.8	30.8	24.9	30.2
Lumber & Wood MFG	35.9	33.5	35.6	36.2	34.7	32.0	31.6	28.5	29.4	29.4	22.8	21.4	19.2
Oil and Gas Extraction	30.1	32.5	31.2	19.4	17.4	21.7	27.4	30.8	17.9	15.9	20.6	25.5	21.7
Trucking/Warehousing/Storage	31.1	32.2	31.1	26.9	24.4	27.2	25.0	20.2	18.3	17.9	18.6	18.3	19.0
Ag Production	19.0	20.5	23.7	20.9	22.8	21.5	19.8	19.0	18.9	19.1	20.5	17.2	16.5
Construction	16.7	16.6	17.0	15.1	16.0	14.4	14.3	13.8	12.5	12.5	12.1	12.9	13.0
Other Transportation	11.6	11.5	12.1	10.1	9.9	9.0	9.7	9.3	11.0	10.3	11.2	9.4	8.8
Ag Services	10.4	14.3	10.4	11.1	10.4	8.5	11.7	9.6	9.7	7.5	9.7	10.1	10.0
Primary Metals MFG	11.6	11.1	10.8	11.9	11.2	11.2	9.0	8.6	7.9	8.0	9.3	7.3	8.2
Electric Light and Power	11.6	12.0	13.3	12.1	9.4	11.0	11.8	8.8	5.5	7.4	6.5	5.8	7.9
Other Utility/Sanitary Service	9.7	10.8	12.4	8.1	8.4	7.0	10.6	7.5	8.6	7.4	9.2	9.5	8.5
Automobile and Repair Services	10.1	7.9	8.7	7.9	8.2	9.2	8.1	7.8	7.5	6.0	8.2	5.8	8.5
Justice, Pub Order, & Safety	9.5	8.5	9.2	8.9	8.6	9.5	8.7	6.0	5.9	7.0	7.7	6.7	7.7
Stone/Clay/Concrete MFG	8.7	9.2	10.2	6.6	7.0	4.7	4.1	4.0	5.2	5.5	5.6	3.8	4.1

\* The selected groupings had the highest rates per 100,000 workers.

**Table US-21. Number of Traumatic Occupational Fatalities  
by Selected Detailed Industry Groupings\* and Cause of Death, US, 1983-1995.**

DETAILED INDUSTRY	CAUSE OF DEATH									
	MOTOR VEHICLE	HOMICIDE	MACHINE	FALL	ELECTRO- CUTION	STRUCK BY FALLING	AIR TRANSPORT	SUICIDE	EXPLOSION	NATURE/ ENVIRON
Forestry & Fisheries	51	22	36	20	20	33	28	16	3	30
Metal/Coal/Nonmetal Mining	191	10	271	57	85	279	9	9	77	61
Lumber & Wood MFG	355	38	535	87	65	1,236	25	20	18	118
Oil and Gas Extraction	280	17	388	85	104	70	32	13	125	56
Trucking/Warehousing/Storage	4,532	204	224	114	98	213	19	69	65	67
Ag Production	1,164	141	2,568	259	305	340	52	150	58	381
Construction	2,352	374	1,784	3,543	1,754	970	85	226	272	354
Other Transportation	539	734	186	145	51	73	962	80	31	59
Ag Services	213	47	133	176	153	103	131	34	6	50
Primary Metals MFG	95	41	233	112	56	88	5	16	60	35
Electric Light and Power	80	15	40	74	445	20	12	9	24	13
Other Utility/Sanitary Service	390	45	96	48	90	47	10	32	42	27
Automobile and Repair Services	447	282	174	105	126	232	13	187	133	45
Justice, Pub Order, & Safety	665	746	21	56	22	18	97	93	16	13
Stone/Clay/Concrete MFG	94	20	93	45	46	38	3	18	12	13

\* The selected groupings had the highest rates per 100,000 workers.

**Table US-22.** Average Annual Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Selected Detailed Industry Groupings\* and Cause of Death, US, 1983-1995.

DETAILED INDUSTRY	CAUSE OF DEATH									
	MOTOR VEHICLE	HOMICIDE	MACHINE	FALL	ELECTRO-CUTION	STRUCK BY FALLING	AIR TRANSPORT	SUICIDE	EXPLOSION	NATURE/ ENVIRON
Forestry & Fisheries	2.3	1.0	1.6	0.9	0.9	1.5	1.3	0.7	0.1	1.4
Metal/Coal/Nonmetal Mining	4.5	0.2	6.5	1.4	2.0	6.6	0.2	0.2	1.8	1.5
Lumber & Wood MFG	3.7	0.4	5.6	0.9	0.7	13.0	0.3	0.2	0.2	1.2
Oil and Gas Extraction	4.8	0.3	6.6	1.4	1.8	1.2	0.5	0.2	2.1	1.0
Trucking/Warehousing/Storage	17.7	0.8	0.9	0.4	0.4	0.8	0.1	0.3	0.3	0.3
Ag Production	3.8	0.5	8.4	0.8	1.0	1.1	0.2	0.5	0.2	1.2
Construction	2.5	0.4	1.9	3.7	1.9	1.0	0.1	0.2	0.3	0.4
Other Transportation	1.4	1.9	0.5	0.4	0.1	0.2	2.5	0.2	0.1	0.2
Ag Services	1.8	0.4	1.1	1.5	1.3	0.9	1.1	0.3	0.1	0.4
Primary Metals MFG	0.9	0.4	2.2	1.1	0.5	0.8	< 0.1	0.2	0.6	0.3
Electric Light and Power	0.9	0.2	0.5	0.9	5.2	0.2	0.1	0.1	0.3	0.2
Other Utility/Sanitary Service	3.5	0.4	0.8	0.4	0.8	0.4	0.1	0.3	0.4	0.2
Automobile and Repair Services	1.7	1.1	0.7	0.4	0.5	0.9	< 0.1	0.7	0.5	0.2
Justice, Pub Order, & Safety	2.6	3.0	0.1	0.2	0.1	0.1	0.4	0.4	0.1	0.1
Stone/Clay/Concrete MFG	1.2	0.3	1.2	0.6	0.6	0.5	< 0.1	0.2	0.2	0.2

\* The selected groupings had the highest rates per 100,000 workers.

**Table US-23.** *Number and Average Annual Rate\* (per 100,000 workers) of Traumatic Occupational Fatalities by Occupation Division, US, 1980-1995.*

<b>OCCUPATION DIVISION</b>	<b>NUMBER OF DEATHS</b>	<b>RATE PER 100,000</b>
Crafts	19,296	9.2
Transport	16,259	21.6
Farm/For/Fish	12,381	21.9
Laborers	10,251	13.7
Service	6,653	2.8
Sales	6,367	3.0
Exec/Adm/Mgr	5,778	2.7
Mach Operators	4,523	3.5
Prof/Spec	3,710	1.6
Tech/Support	2,395	4.3
Clerical	1,944	0.7
Not Classified	3,781	---

\* Rates not calculated for “unknown” or “not classified” categories.

*Table US-24. Number\* and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Occupation Division and Year, US, 1980-1995.*

OCCUPATION DIVISION	YEAR OF DEATH																
	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	
Exec/Adm/Mgr	No.	351	369	357	352	319	356	317	353	370	340	386	373	331	387	394	423
	Rate	3.4	3.5	3.4	3.3	2.8	2.9	2.5	2.7	2.6	2.3	2.6	2.5	2.2	2.5	2.4	2.5
Prof/Spec	No.	284	266	239	218	214	244	223	207	202	216	196	237	227	251	240	246
	Rate	2.4	2.2	1.9	1.7	1.6	1.8	1.6	1.4	1.3	1.4	1.2	1.5	1.4	1.5	1.4	1.4
Tech/Support	No.	199	181	150	145	149	171	140	145	139	160	139	138	129	125	144	141
	Rate	7.0	6.1	5.0	4.7	4.7	5.3	4.2	4.3	3.9	4.4	3.6	3.6	3.0	3.1	3.7	3.6
Sales	No.	451	432	414	384	362	390	315	361	359	363	360	402	436	466	469	403
	Rate	4.2	3.9	3.7	3.2	2.9	3.1	2.4	2.7	2.6	2.6	2.5	2.9	3.1	3.3	3.2	2.7
Clerical	No.	124	134	119	118	106	128	124	124	118	137	118	97	105	106	155	131
	Rate	0.7	0.8	0.7	0.7	0.6	0.7	0.7	0.7	0.6	0.7	0.6	0.5	0.6	0.6	0.8	0.7
Service	No.	476	447	432	387	388	389	411	427	426	412	389	395	384	413	446	431
	Rate	3.6	3.4	3.2	2.8	2.7	2.7	2.8	2.8	2.8	2.6	2.5	2.5	2.4	2.5	2.6	2.5
Farm/For/Fish	No.	923	889	862	802	840	888	788	841	772	796	696	701	672	665	640	606
	Rate	25.4	24.1	23.0	21.7	23.3	25.6	22.9	24.0	22.5	23.3	20.4	20.3	19.4	20.0	17.6	16.6
Crafts	No.	1,533	1,581	1,393	1,159	1,293	1,265	1,171	1,162	1,180	1,129	1,152	1,074	1,013	1,076	1,034	1,081
	Rate	12.5	12.9	11.8	9.4	9.9	9.5	8.7	8.6	8.6	8.2	8.4	8.2	7.7	8.1	7.7	8.0
Mach Operators	No.	375	358	312	272	297	303	255	285	247	285	268	267	242	230	252	275
	Rate	4.2	4.1	4.0	3.5	3.7	3.9	3.2	3.6	3.0	3.5	3.3	3.5	3.2	3.1	3.2	3.5
Transport	No.	1,259	1,241	1,029	1,042	1,139	1,098	964	955	1,054	998	947	900	853	943	915	922
	Rate	28.0	28.3	24.5	24.8	25.5	24.2	21.1	20.3	21.8	20.4	19.5	18.5	17.5	18.8	17.8	17.8
Laborers	No.	933	777	732	640	711	721	654	706	630	611	598	485	504	470	558	521
	Rate	19.9	16.6	16.3	15.4	16.1	16.2	14.0	14.8	12.9	12.5	12.3	10.6	11.1	10.2	11.2	10.4

\*Numbers not reported for "unknown" or "not classified" categories.

*Table US-25. Number\* of Traumatic Occupational Fatalities  
by Cause of Death and Occupation Division, US, 1980-1995.*

CAUSE OF DEATH	OCCUPATION DIVISION										
	EXEC/ ADM/MGR	PROF/ SPEC	TECH/ SUPPORT	SALES	CLERICAL	SERVICE	FARM/ FOR/FISH	CRAFTS	MACH OPERATORS	TRANSPORT	LABORERS
Motor Vehicle	1,072	801	291	1,223	562	1,388	1,727	2,371	410	9,317	1,725
Homicide	1,703	600	85	3,203	594	2,340	281	896	285	1,082	1,085
Machine	404	228	84	243	139	274	3,932	2,404	955	1,702	1,528
Fall	480	322	78	235	146	569	603	4,021	512	378	1,445
Electrocution	229	143	91	89	32	197	673	2,980	279	459	807
Struck by Falling Object	192	84	28	118	44	109	1,814	1,579	382	615	868
Air Transport	388	488	1,422	171	44	205	112	237	19	36	33
Suicide	468	305	58	500	103	371	231	511	112	170	143
Nature/Environment	66	99	18	60	42	87	682	521	162	241	328
Explosion	137	66	57	73	24	91	93	849	379	180	311
Flying Object/Caught In	68	44	12	42	29	79	350	554	237	301	376
Water Transport	31	89	23	21	7	44	691	151	52	531	119
Suffocation	84	44	10	45	11	62	230	391	99	159	495
Fire	106	47	26	68	28	219	123	422	203	104	174
Poisoning	87	89	37	55	20	126	133	408	122	125	169
Drowning	56	104	13	23	17	126	326	204	58	157	199
Rail Transport	16	14	7	3	17	15	14	94	34	345	91
Other	157	116	39	140	63	275	310	600	205	270	293

\*Numbers not reported for "unknown" or "not classified" categories.

*Table US-26. Average Annual Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Cause of Death and Occupation Division, US, 1980-1995.*

CAUSE OF DEATH	OCCUPATION DIVISION										
	EXEC/ ADM/MGR	PROF/ SPEC	TECH/ SUPPORT	SALES	CLERICAL	SERVICE	FARM/ FOR/FISH	CRAFTS	MACH OPERATORS	TRANSPORT	LABORERS
Motor Vehicle	0.5	0.3	0.5	0.6	0.2	0.6	3.1	1.1	0.3	12.4	2.3
Homicide	0.8	0.3	0.2	1.5	0.2	1.0	0.5	0.4	0.2	1.4	1.5
Machine	0.2	0.1	0.2	0.1	< 0.1	0.1	7.0	1.1	0.7	2.3	2.0
Fall	0.2	0.1	0.1	0.1	0.1	0.2	1.1	1.9	0.4	0.5	1.9
Electrocution	0.1	0.1	0.2	< 0.1	< 0.1	0.1	1.2	1.4	0.2	0.6	1.1
Struck by Falling Object	0.1	< 0.1	0.1	0.1	< 0.1	< 0.1	3.2	0.8	0.3	0.8	1.2
Air Transport	0.2	0.2	2.5	0.1	< 0.1	0.1	0.2	0.1	< 0.1	< 0.1	< 0.1
Suicide	0.2	0.1	0.1	0.2	< 0.1	0.2	0.4	0.2	0.1	0.2	0.2
Nature/Environment	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	1.2	0.2	0.1	0.3	0.4
Explosion	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1	0.2	0.4	0.3	0.2	0.4
Flying Object/Caught In	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.6	0.3	0.2	0.4	0.5
Water Transport	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	1.2	0.1	< 0.1	0.7	0.2
Suffocation	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.2	0.1	0.2	0.7
Fire	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.1	0.2	0.2	0.2	0.1	0.2
Poisoning	< 0.1	< 0.1	0.1	< 0.1	< 0.1	0.1	0.2	0.2	0.1	0.2	0.2
Drowning	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.1	0.6	0.1	< 0.1	0.2	0.3
Rail Transport	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.5	0.1
Other	0.1	< 0.1	0.1	0.1	< 0.1	0.1	0.5	0.3	0.2	0.4	0.4

**Table US-27. Number\*\*† and Average Annual Rate‡ (per 100,000 workers) of Traumatic Occupational Fatalities by Occupation Division and Age Group, US, 1983-1995.**

OCCUPATION DIVISION		AGE GROUP (IN YEARS)							
		16-17	18-19	20-24	25-34	35-44	45-54	55-64	65+
Exec/Adm/Mgr	No.	5	31	195	932	1,140	1,089	859	448
	Rate	2.8	3.5	1.8	1.9	2.0	2.7	4.0	8.3
Prof/Spec	No.	4	22	181	689	741	552	447	285
	Rate	0.8	1.8	1.4	1.2	1.2	1.4	2.3	5.3
Tech/Support	No.	---	11	156	589	532	352	182	43
	Rate	---	2.0	2.7	3.3	4.1	5.1	6.3	9.2
Sales	No.	16	85	358	988	1,167	1,004	869	580
	Rate	0.2	0.8	1.5	2.2	3.0	3.6	4.8	8.8
Clerical	No.	7	36	173	388	350	268	211	133
	Rate	0.3	0.5	0.5	0.6	0.6	0.7	0.9	2.3
Service	No.	13	101	594	1,586	1,243	843	609	308
	Rate	0.1	0.8	1.9	3.1	3.1	3.0	3.1	4.1
Farm/For/Fish	No.	54	237	872	1,973	1,676	1,436	1,513	1,931
	Rate	2.4	10.5	16.1	18.5	19.3	21.8	25.2	47.6
Crafts	No.	22	230	1,437	4,274	3,652	2,560	1,879	730
	Rate	2.6	6.7	7.8	7.8	7.9	8.5	11.0	24.9
Mach Operators	No.	7	82	379	951	832	593	460	174
	Rate	1.1	2.8	2.9	3.0	3.3	3.4	4.5	11.7
Transport	No.	14	162	1,008	3,519	3,248	2,535	1,774	460
	Rate	3.7	11.7	16.0	19.3	19.9	22.2	26.0	31.5
Laborers	No.	55	382	1,269	2,399	1,598	1,107	757	230
	Rate	1.2	6.1	10.0	14.5	15.6	17.8	19.8	23.6

\*Numbers not reported for cells with less than 3 deaths.

†Numbers not reported for “unknown” or “not classified” categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table US-28.** Number and Average Annual Rate\* (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Occupation Groupings, US, 1983-1995.



DETAILED OCCUPATION	NO. OF DEATHS	RATE
Exec/Adm/Mgr		
Officials & Administrators, Public Admin	160	2.1
Other Executive, Admin & Managerial	4,037	3.2
Management Related Occupations	504	1.0
Prof/Spec		
Engineers	844	3.3
Mathematical and Computer Scientists	56	0.5
Natural Scientists	204	3.6
Health Diagnosing Occupations	193	1.8
Health Assessment and Treatment Occupations	237	0.8
Teachers, College and University	68	0.7
Teachers, Except College and University	388	0.8
Lawyers and Judges	147	1.5
Other Professional Specialty Occupations	784	1.6
Tech/Support		
Health Technologists and Technicians	119	0.7
Engineering and Science Technicians	462	3.1
Technicians, Exc Health/Engineering/Science	1,284	8.5
Sales		
Supervisors and Proprietors, Sales Occupations	2,834	5.8
Sales Reps, Finance and Business Services	405	1.4
Sales Reps, Commodities, Except Retail	359	1.8
Sales Workers, Retail & Personal Services	1,456	1.8
Sales Related Occupations	16	1.7
Clerical		
Supervisors, Administrative Support	74	0.8
Computer Equipment Operators	27	0.3
Secretaries, Stenographers, and Typists	184	0.3
Financial Records Processing	84	0.3
Mail and Message Distribution	318	2.7
Other Admin. Support, Including Clerical	880	0.8

DETAILED OCCUPATION	NO. OF DEATHS	RATE
Service		
Private Household Service Occupations	92	0.8
Protective Service	2,765	10.8
Food Service	652	0.9
Health Service	129	0.5
Cleaning and Building Service	1,331	3.5
Personal Service	329	1.1
Farm/For/Fish		
Farm Operators and Managers	4,646	27.1
Farm Workers and Related Occupations	2,439	9.3
Forestry and Fishing Occupations	2,622	112.4
Crafts		
Mechanics and Repairers	3,595	6.3
Construction Trades	7,691	12.0
Other Precision Production, Craft, and Repair	3,503	6.7
Mach Operators		
Machine Operators/Tenders, Except Precision	2,188	3.2
Fabricators, Assemblers, Inspectors, Samplers	1,290	3.7
Transport		
Motor Vehicle Operators	9,561	20.7
Other Transport and Material Moving Occ	3,169	19.8
Laborers		
Construction Laborers	3,726	39.5
Freight, Stock, & Materials Handlers	998	4.4
Other Handlers, Equip. Cleaner, Helper, Laborer	3,085	10.5
Other or Not Classified	2,621	---

\* Rates not calculated for "unknown" or "not classified" categories.

**Table US-29.** Number and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Selected Detailed Occupation Groupings\* and Year, US, 1983-1995.

DETAILED OCCUPATION		YEAR OF DEATH												
		1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
Forestry and Fishing Occupations	No.	199	211	236	218	220	217	263	203	200	190	159	164	142
	Rate	109.1	130.1	143.3	114.5	125.5	127.2	148.2	103.3	113.5	109.7	81.8	89.6	76.5
Construction Laborers	No.	288	337	344	318	358	310	306	283	204	240	210	269	259
	Rate	48.6	50.3	49.9	42.7	46.2	38.7	40.5	35.5	28.3	35.5	30.8	36.4	33.2
Farm Operators and Managers	No.	396	421	435	394	422	375	339	308	320	326	320	297	293
	Rate	27.3	29.2	32.1	29.4	32.2	29.2	26.7	25.4	26.0	26.8	27.6	20.4	20.2
Motor Vehicle Operators	No.	749	846	833	735	691	824	737	678	672	641	706	707	742
	Rate	24.9	26.4	25.2	21.7	19.8	22.9	20.5	18.8	18.1	17.2	18.3	18.3	19.0
Other Transport and Material Movers	No.	293	293	265	229	264	230	261	269	228	212	237	208	180
	Rate	23.8	23.1	21.5	19.3	21.6	18.6	20.4	21.1	19.1	18.0	19.8	16.5	14.2
Construction Trades	No.	565	636	653	620	633	634	612	608	550	518	513	563	586
	Rate	13.1	13.8	13.7	12.5	12.6	12.4	11.9	11.7	11.3	10.7	10.1	11.2	11.5
Protective Service	No.	190	214	198	207	206	235	218	199	194	210	226	227	241
	Rate	11.4	12.7	11.5	11.6	10.8	12.1	11.2	9.9	9.3	9.9	10.5	10.1	10.8
Other Handler, Cleaner, Helper, Laborer	No.	279	293	297	265	278	242	214	242	190	202	197	204	182
	Rate	13.6	13.4	13.7	11.9	12.0	10.4	8.9	10.0	8.3	9.1	9.1	9.2	8.0
Farm Workers and Related Occ	No.	207	208	217	176	199	180	194	185	181	156	186	179	171
	Rate	9.9	10.3	11.1	9.2	9.8	9.1	9.8	9.0	8.5	7.3	9.1	9.0	8.4
Technicians, Exc Health/Eng/Science	No.	98	104	131	108	108	98	117	87	77	84	86	95	91
	Rate	10.7	10.6	12.7	9.9	9.8	8.6	9.6	6.6	6.3	5.3	6.3	8.7	8.3
Other Prec Production/Craft/Repair	No.	312	388	349	281	255	267	251	269	254	227	225	212	213
	Rate	8.0	9.5	8.5	6.8	6.2	6.5	6.1	6.6	6.4	5.8	5.7	5.2	5.3
Mechanics and Repairers	No.	282	269	263	270	274	279	266	275	270	268	338	259	282
	Rate	6.8	6.2	5.9	6.2	6.2	6.3	5.9	6.2	6.1	6.0	7.6	5.9	6.4

\* The selected groupings had the highest rates per 100,000 workers.

**Table US-30.** Number and Average Annual Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Selected Detailed Occupation Groupings\* and Cause of Death, US, 1983-1995.

DETAILED OCCUPATION		CAUSE OF DEATH									
		MOTOR VEHICLE	HOMICIDE	MACHINE	FALL	ELECTRO-CUTION	STRUCK BY FALLING	AIR TRANS	SUICIDE	EXPLOSION	NATURE/ ENVIRON
Forestry and Fishing Occupations	No.	140	24	271	57	43	993	23	18	5	110
	Rate	6.0	1.0	11.6	2.4	1.8	42.6	1.0	0.8	0.2	4.7
Construction Laborers	No.	742	106	479	806	372	361	10	40	59	117
	Rate	7.9	1.1	5.1	8.6	3.9	3.8	0.1	0.4	0.6	1.2
Farm Operators and Managers	No.	695	71	2,161	219	182	294	45	120	42	278
	Rate	4.0	0.4	12.6	1.3	1.1	1.7	0.3	0.7	0.2	1.6
Motor Vehicle Operators	No.	6,841	837	357	170	217	315	15	95	77	102
	Rate	14.8	1.8	0.8	0.4	0.5	0.7	< 0.1	0.2	0.2	0.2
Other Transport and Material Movers	No.	464	50	964	119	123	191	10	53	47	86
	Rate	2.9	0.3	6.0	0.7	0.8	1.2	0.1	0.3	0.3	0.5
Construction Trades	No.	795	195	601	2,478	1,688	448	48	149	163	162
	Rate	1.2	0.3	0.9	3.9	2.6	0.7	0.1	0.2	0.3	0.3
Protective Service	No.	803	1,141	35	82	30	27	98	151	19	30
	Rate	3.2	4.5	0.1	0.3	0.1	0.1	0.4	0.6	0.1	0.1
Other Handler, Cleaner, Helper, Laborer	No.	440	352	547	283	203	249	5	57	163	110
	Rate	1.5	1.2	1.9	1.0	0.7	0.9	< 0.1	0.2	0.6	0.4
Farm Workers and Related Occ	No.	558	117	539	201	263	182	15	53	21	158
	Rate	2.1	0.4	2.0	0.8	1.0	0.7	0.1	0.2	0.1	0.6
Technicians, Exc Health/ Eng/Science	No.	51	24	21	18	12	5	1,067	17	9	6
	Rate	0.3	0.2	0.1	0.1	0.1	< 0.1	7.0	0.1	0.1	< 0.1
Other Prec Production/Craft/Repair	No.	403	239	697	326	244	380	32	111	259	146
	Rate	0.8	0.5	1.3	0.6	0.5	0.7	0.1	0.2	0.5	0.3
Mechanics and Repairers	No.	663	250	512	313	335	343	92	173	201	108
	Rate	1.2	0.4	0.9	0.5	0.6	0.6	0.2	0.3	0.4	0.2

\* The selected groupings had the highest rates per 100,000 workers.

**Table US-31.** Number\*\* and Average Annual Rate‡ (per 100,000 workers) of Traumatic Occupational Fatalities by Industry and Occupation Division, US, 1983-1995.

INDUSTRY DIVISION		OCCUPATION DIVISION										
		EXEC/ADM/ MGR	PROF/ SPEC	TECH/ SUPPORT	SALES	CLERICAL	SERVICE	FARM/FOR/ FISH	CRAFTS	MACH OPER- ATORS	TRANS- PORT	LABORERS
Ag/For/Fish	No.	49	127	138	17	11	56	7,627	59	32	201	36
	Rate	4.2	10.2	29.6	7.1	0.7	15.1	20.1	9.7	19.8	31.2	12.5
Mining	No.	107	76	43	8	13	18	5	1,624	81	512	193
	Rate	6.9	7.4	10.1	6.5	1.1	15.0	---	49.3	23.3	31.5	46.4
Construction	No.	707	183	77	47	43	46	30	6,639	355	1,615	3,752
	Rate	5.8	10.1	10.5	5.1	0.8	10.7	11.4	12.2	28.6	24.7	35.3
Manufacturing	No.	623	307	242	289	201	336	1,771	2,257	2,311	1,250	1,136
	Rate	2.0	1.4	2.6	3.0	0.7	7.4	147.1	4.4	2.7	12.2	8.0
Trans/Comm/PU	No.	464	244	905	86	442	198	21	1,608	148	7,235	741
	Rate	3.9	4.1	24.7	2.3	1.6	6.0	11.4	9.8	9.7	31.1	12.0
Wholesale Trade	No.	133	20	10	611	52	32	15	190	76	726	296
	Rate	2.0	1.8	1.8	2.6	0.5	6.0	4.7	4.7	4.2	11.9	6.4
Retail Trade	No.	879	78	12	3,372	140	686	22	322	21	468	768
	Rate	4.5	1.7	1.1	3.2	0.7	1.2	7.1	2.2	0.9	7.4	4.1
Finance/Insur/RE	No.	280	17	8	385	131	121	28	30	---	16	9
	Rate	1.1	0.6	0.4	1.6	0.3	3.3	3.4	1.5	---	8.6	3.2
Services	No.	1,044	1,638	267	202	301	1,694	131	1,622	311	337	442
	Rate	1.8	1.1	1.0	1.8	0.4	1.5	3.1	6.7	3.1	5.1	8.4
Public Admin	No.	260	202	129	7	178	2,015	29	221	48	135	116
	Rate	1.7	2.0	4.3	2.2	1.0	11.5	4.6	7.1	10.1	18.2	19.8

\*Numbers not reported for cells with less than 3 deaths.

†Numbers not reported for "unknown" or "not classified" categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

## State of Alabama

Traumatic Occupational Fatalities (1980-1995):

Number: 1,864  
 Rate: 6.8 per 100,000 workers

Leading Causes of Death (1980-1995):

Motor Vehicle - 337  
 Homicide - 300

Industries with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Manufacturing - 383  
 Rate: Mining - 34.7 per 100,000 workers

Occupations with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Precision Production/Craft/Repair - 346  
 Rate: Farming/Forestry/Fishing - 23.2 per 100,000 workers

**Table AL-1.** *Number and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Year, Alabama, 1980-1995.*

YEAR OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
1980	134	8.8
1981	108	7.2
1982	85	5.8
1983	83	5.4
1984	86	5.3
1985	89	5.4
1986	137	8.0
1987	131	7.5
1988	130	7.5
1989	149	8.3
1990	137	7.8
1991	133	7.5
1992	121	6.7
1993	112	6.1
1994	111	5.8
1995	118	6.1
<b>Total</b>	<b>1,864</b>	<b>6.8</b>

*Table AL-2. Number\*\*† and Rate‡§ (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Sex, Race, and Age Group, Alabama, 1980-1995.*

DEMOGRAPHICS	Total		YEAR OF DEATH					
			1980-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Sex								
Male	1,752	11.5	547	10.3	649	13.3	556	11.0
Female	112	0.9	38	1.0	35	0.9	39	0.9
Race								
White	1,380	6.4	420	5.7	518	7.5	442	6.2
Black	467	8.1	164	8.7	160	9.0	143	6.9
Other	11	7.8	---	---	---	---	8	11.6
Age Group								
16-17	14	2.6	---	---	6	3.8	---	---
18-19	40	4.0	19	5.1	15	4.9	6	1.9
20-24	193	5.9	79	6.5	66	6.8	48	4.5
25-34	461	6.0	119	4.6	193	7.5	149	5.9
35-44	416	6.3	126	6.0	148	7.2	142	5.9
45-54	326	6.8	92	5.7	121	7.8	113	6.7
55-64	274	9.9	101	10.4	94	10.4	79	8.8
65+	140	20.7	43	18.4	41	18.0	56	26.2

\*Numbers not reported for cells with less than 3 deaths.

†Numbers not reported for “unknown” categories.

‡Numbers and rates not reported for some cells with 3 or more deaths to meet confidentiality requirements.

§Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table AL-3.** *Number and Average Annual Rate\* (per 100,000 workers) of Traumatic Occupational Fatalities by Cause of Death, Alabama, 1980-1995.*

CAUSE OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
Motor Vehicle	337	1.2
Homicide	300	1.1
Machine	269	1.0
Struck By Falling Object	189	0.7
Fall	151	0.6
Electrocution	144	0.5
Nature/Environment	74	0.3
Explosion	56	0.2
Suicide	50	0.2
Flying Object/Caught In	48	0.2
Fire	37	0.1
Suffocation	30	0.1
Air Transport	27	0.1
Drowning	26	0.1
Poisoning	21	0.1
Water Transport	17	0.1
Rail Transport	14	0.1
Other	62	0.2
Unknown/Undetermined	12	---

\*Rates not calculated for "unknown" or "not classified" categories.

**Table AL-4.** Number<sup>\*†</sup> and Rate<sup>†‡§</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Industry and Occupation Division, Alabama, 1983-1995.

INDUSTRY/ OCCUPATION DIVISION	Total		YEAR OF DEATH					
			1983-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Industry Division								
Ag/For/Fish	95	13.8	16	9.8	41	15.3	38	14.8
Mining	52	34.7	12	26.1	22	43.2	18	33.9
Construction	282	17.5	52	15.5	127	20.4	103	15.7
Manufacturing	383	7.3	76	6.9	169	8.3	138	6.5
Trans/Comm/PU	234	14.5	22	6.1	105	17.4	107	16.4
Wholesale Trade	49	5.3	8	3.9	26	8.0	15	3.9
Retail Trade	163	4.3	32	4.0	67	4.7	64	4.2
Finance/Insur/RE	14	1.3	3	1.3	6	1.5	5	1.1
Services	130	2.0	14	1.1	56	2.2	60	2.2
Public Admin	77	6.7	10	4.3	38	8.1	29	6.5
Not Classified	58	---	13	---	27	---	18	---
Occupation Division								
Exec/Adm/Mgr	83	3.8	14	3.2	28	3.4	41	4.3
Prof/Spec	56	2.2	10	2.1	20	2.0	26	2.4
Tech/Support	25	3.8	---	---	13	5.1	---	---
Sales	107	4.0	20	3.5	43	4.2	44	4.0
Clerical	27	0.9	3	0.4	13	1.1	11	0.9
Service	117	4.0	21	3.5	49	4.3	47	3.9
Farm/For/Fish	182	23.2	41	20.6	83	27.8	58	20.3
Crafts	346	11.3	58	8.9	163	13.8	125	10.1
Mach Operators	110	4.6	23	4.7	42	4.7	45	4.5
Transport	268	21.2	18	6.7	129	26.3	121	23.9
Laborers	187	16.3	39	14.0	86	19.2	62	14.6
Not Classified	29	---	9	---	15	---	5	---

\*Numbers not reported for cells with less than 3 deaths.

†Numbers and rates not reported for some cells with 3 or more deaths to meet confidentiality requirements.

‡Rates not calculated for "unknown" or "not classified" categories.

§Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table AL-5.** Number\* and Average Annual Rate<sup>††</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Industry Groupings, Alabama, 1983-1995.

DETAILED INDUSTRY	NO. OF DEATHS	RATE	DETAILED INDUSTRY	NO. OF DEATHS	RATE
Ag/For/Fish			Retail Trade		
Ag Production	64	13.3	Food Stores	59	9.4
Ag Services	20	13.3	Motor Veh/Auto Supply Dealer	32	6.9
Forestry & Fisheries	11	19.7	Apparel & Accessory Stores	---	---
Mining			Eating & Drinking Places	26	2.8
Metal/Coal/Nonmetal Mining	31	26.8	Other Retail Trade	45	3.0
Oil and Gas Extraction	21	60.9	Finance/Insur/RE		
Construction	282	17.5	Banking and Other Finance	---	---
Manufacturing			Insurance and Real Estate	12	2.1
Food & Kindred Prod	22	4.5	Services		
Textile Mill Prod	10	3.3	Business Services	28	4.5
Apparel & Other Textile Pr	---	---	Automobile and Repair Services	39	10.0
Paper & Allied Products	12	3.1	Private Household Services	---	---
Printing/Publishing/Allied	6	2.6	Pers Serv Exc Priv Household	17	2.9
Chemical/Petroleum/Rubber	33	6.9	Entertainment & Rec Services	9	4.5
Lumber & Wood	158	34.2	Hospitals	5	0.5
Furniture	4	1.8	Health Services, Exc Hosp	6	0.7
Stone/Clay/Concrete	12	7.5	Educational Services	10	0.6
Primary Metals	44	10.7	Other Professional Services	14	1.3
Fabricated Metals	15	4.2	Public Admin		
Mach, Ex Elect	17	5.3	Justice, Pub Order, & Safety	51	14.6
Elect Mach, Equip Supplies	6	2.0	Admin of Hum Res Programs	---	---
Motor Vehicles Equip	6	2.8	National Sec/Internal Affairs	3	1.0
Aircraft & Parts	---	---	Other Pub Admin	21	6.2
Other Transport Equip	20	11.6	Not Classified	59	---
Prof & Photo Equip/Watches	---	---			
Toys/Amusement/Sporting Goods	---	---			
Misc & NEC Industries	13	21.4			
Trans/Comm/PU					
Trucking/Warehousing/Storage	131	30.9			
Other Transportation	59	16.0			
Telephone Communications	3	1.0			
Other Communications	5	6.8			
Electric Light and Power	21	8.6			
Other Utility/Sanitary Service	15	6.8			
Wholesale Trade	49	5.3			

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for “unknown” or “not classified” categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table AL-6.** Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Occupation Groupings, Alabama, 1983-1995.



DETAILED OCCUPATION	NO. OF DEATHS	RATE
Exec/Adm/Mgr		
Officials & Administrators, Public Admin	---	---
Other Executive, Admin & Managerial	74	4.8
Management Related Occupations	8	1.5
Prof/Spec		
Engineers	23	6.0
Mathematical and Computer Scientists	---	---
Natural Scientists	---	---
Health Diagnosing Occupations	3	2.3
Health Assessment and Treatment Occupations	10	2.5
Teachers, College and University	---	---
Teachers, Except College and University	6	0.8
Lawyers and Judges	---	---
Other Professional Specialty Occupations	10	1.8
Tech/Support		
Health Technologists and Technicians	---	---
Engineering and Science Technicians	7	3.2
Technicians, Exc Health/Engineering/Science	18	11.6
Sales		
Supervisors and Proprietors, Sales Occupations	66	8.9
Sales Reps, Finance and Business Services	5	1.6
Sales Reps, Commodities, Except Retail	7	2.5
Sales Workers, Retail & Personal Services	28	2.1
Sales Related Occupations	---	---
Clerical		
Supervisors, Administrative Support	---	---
Computer Equipment Operators	---	---
Secretaries, Stenographers, and Typists	---	---
Financial Records Processing	3	0.7
Mail and Message Distribution	4	2.7
Other Admin. Support, Including Clerical	16	1.1

DETAILED OCCUPATION	NO. OF DEATHS	RATE
Service		
Private Household Service Occupations	---	---
Protective Service	68	18.7
Food Service	8	0.9
Health Service	---	---
Cleaning and Building Service	31	5.3
Personal Service	8	1.9
Farm/For/Fish		
Farm Operators and Managers	55	21.5
Farm Workers and Related Occupations	25	5.8
Forestry and Fishing Occupations	102	107.4
Crafts		
Mechanics and Repairers	102	10.0
Construction Trades	168	15.4
Other Precision Production, Craft, and Repair	76	7.9
Mach Operators		
Machine Operators/Tenders, Except Precision	72	4.3
Fabricators, Assemblers, Inspectors, Samplers	38	5.3
Transport		
Motor Vehicle Operators	205	24.0
Other Transport and Material Moving Occ	63	15.4
Laborers		
Construction Laborers	80	42.2
Freight, Stock, & Materials Handlers	30	7.8
Other Handlers, Equip. Cleaner, Helper, Laborer	77	13.4
Other or Not Classified	29	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for "unknown" or "not classified" categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

## State of Alaska

Traumatic Occupational Fatalities (1980-1995):

Number: 897

Rate: 24.3 per 100,000 workers

Leading Causes of Death (1980-1995):

Water Transport - 308

Air Transport - 175

Industry with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Agriculture/Forestry/Fisheries - 282

Rate: Agriculture/Forestry/Fisheries - 295.4 per 100,000 workers

Occupation with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Farming/Forestry/Fishing - 305

Rate: Farming/Forestry/Fishing - 383.2 per 100,000 workers

**Table AK-1.** *Number and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Year, Alaska, 1980-1995.*

YEAR OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
1980	51	29.0
1981	42	22.7
1982	30	16.7
1983	30	15.4
1984	36	16.4
1985	94	41.1
1986	41	17.6
1987	68	29.8
1988	64	28.9
1989	86	38.8
1990	67	26.8
1991	65	25.9
1992	70	26.7
1993	55	20.1
1994	52	18.4
1995	46	16.2
<b>Total</b>	<b>897</b>	<b>24.3</b>

**Table AK-2.** Number<sup>\*†‡</sup> and Rate<sup>§</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Sex, Race, and Age Group, Alaska, 1980-1995.

DEMOGRAPHICS	Total		YEAR OF DEATH					
			1980-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Sex								
Male	862	42.9	271	40.8	312	50.0	279	38.7
Female	35	2.1	12	2.3	14	2.6	9	1.4
Race								
White	736	23.9	213	21.3	275	28.9	248	21.9
Black	10	8.1	---	---	4	10.2	---	---
Other	137	28.3	63	41.8	40	24.7	34	19.8
Age Group								
16-17	8	9.5	---	---	---	---	3	11.4
18-19	13	11.4	5	11.9	4	12.0	4	10.4
20-24	132	32.3	52	30.2	47	43.1	33	26.0
25-34	308	27.2	95	22.6	120	34.1	93	25.8
35-44	226	21.4	69	25.2	76	21.5	81	19.0
45-54	137	22.9	37	23.5	45	24.5	55	21.5
55-64	55	21.5	14	18.5	25	30.8	16	16.1
65+	13	29	5	---	5	---	3	---

\*Numbers not reported for cells with less than 3 deaths.

†Numbers not reported for "unknown" categories.

‡Numbers and rates not reported for some cells with 3 or more deaths to meet confidentiality requirements.

§Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table AK-3.** Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Cause of Death, Alaska, 1980-1995.

CAUSE OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
Water Transport	308	8.3
Air Transport	175	4.7
Motor Vehicle	65	1.8
Drowning	51	1.4
Nature/Environment	44	1.2
Struck by Falling Object	43	1.2
Homicide	38	1.0
Machine	36	1.0
Fall	29	0.8
Suicide	20	0.5
Electrocution	15	0.4
Flying Object/Caught In	13	0.4
Poisoning	12	0.3
Suffocation	11	0.3
Explosion	9	0.2
Fire	---	---
Rail Transport	---	---
Other	20	0.5
Unknown/Undetermined	5	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for “unknown” or “not classified” categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table AK-4. Number<sup>\*†</sup> and Rate<sup>†‡§</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Industry and Occupation Division, Alaska, 1983-1995.**

INDUSTRY/ OCCUPATION DIVISION	Total		YEAR OF DEATH					
			1983-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Industry Division								
Ag/For/Fish	282	295.4	55	268.9	111	323.5	116	285.1
Mining	21	18.7	5	---	9	18.8	7	15.6
Construction	73	31.5	17	25.8	35	47.5	21	22.8
Manufacturing	83	64.0	12	39.3	39	86.7	32	59.1
Trans/Comm/PU	136	39.0	29	40.3	50	41.1	57	36.8
Wholesale Trade	3	3.1	---	---	---	---	---	---
Retail Trade	16	3.0	4	4.0	5	2.6	7	3.0
Finance/Insur/RE	5	3.1	---	---	3	4.8	---	---
Services	62	5.8	13	6.3	27	6.8	22	4.7
Public Admin	50	13.3	8	11.3	29	20.7	13	7.9
Not Classified	43	---	16	---	18	---	9	---
Occupation Division								
Exec/Adm/Mgr	23	4.9	3	3.5	13	7.7	7	3.2
Prof/Spec	51	10.7	7	7.8	23	12.8	21	10.1
Tech/Support	86	75.3	14	67.1	36	85.8	36	70.1
Sales	13	3.8	---	---	---	---	7	4.8
Clerical	4	0.8	---	---	---	---	---	---
Service	40	8.8	7	7.8	18	10.7	15	7.6
Farm/For/Fish	305	383.2	58	---	126	440.3	121	363.9
Crafts	90	24.8	25	26.6	39	29.7	26	19.0
Mach Operators	24	35.6	6	---	11	43.7	7	26.2
Transport	76	59.0	22	79.7	24	52.8	30	53.8
Laborers	29	21.5	5	17.9	17	34.8	7	12.1
Not Classified	33	---	9	---	15	---	9	---

\*Numbers not reported for cells with less than 3 deaths.

†Numbers and rates not reported for some cells with 3 or more deaths to meet confidentiality requirements.

‡Rates not calculated for "unknown" or "not classified" categories.

§Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table AK-5.** Number\* and Average Annual Rate<sup>††</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Industry Groupings, Alaska, 1983-1995.

DETAILED INDUSTRY	NO. OF DEATHS	RATE	DETAILED INDUSTRY	NO. OF DEATHS	RATE
Ag/For/Fish			Retail Trade		
Ag Production	---	---	Food Stores	---	---
Ag Services	---	---	Motor Veh/Auto Supply Dealer	---	---
Forestry & Fisheries	278	359.1	Apparel & Accessory Stores	---	---
Mining			Eating & Drinking Places	5	3.1
Metal/Coal/Nonmetal Mining	4	---	Other Retail Trade	8	3.9
Oil and Gas Extraction	17	18.3	Finance/Insur/RE		
Construction	73	31.5	Banking and Other Finance	---	---
Manufacturing			Insurance and Real Estate	4	4.4
Food & Kindred Prod	13	52.8	Services		
Textile Mill Prod	---	---	Business Services	6	5.9
Apparel & Other Textile Pr	---	---	Automobile and Repair Services	12	17.7
Paper & Allied Products	---	---	Private Household Services	---	---
Printing/Publishing/Allied	---	---	Pers Serv Exc Priv Household	7	6.0
Chemical/Petroleum/Rubber	6	---	Entertainment & Rec Services	13	29.0
Lumber & Wood	52	175.2	Hospitals	---	---
Furniture	---	---	Health Services, Exc Hosp	4	4.2
Stone/Clay/Concrete	---	---	Educational Services	8	2.7
Primary Metals	---	---	Other Professional Services	10	4.1
Fabricated Metals	---	---	Public Admin		
Mach, Ex Elect	---	---	Justice, Pub Order, & Safety	9	13.9
Elect Mach, Equip Supplies	---	---	Admin of Hum Res Programs	---	---
Motor Vehicles Equip	---	---	National Sec/Internal Affairs	19	35.4
Aircraft & Parts	---	---	Other Pub Admin	21	9.5
Other Transport Equip	3	---	Not Classified	44	---
Prof & Photo Equip/Watches	---	---			
Toys/Amusement/Sporting Goods	---	---			
Misc & NEC Industries	---	---			
Trans/Comm/PU					
Trucking/Warehousing/Storage	18	44.2			
Other Transportation	117	60.4			
Telephone Communications	---	---			
Other Communications	---	---			
Electric Light and Power	---	---			
Other Utility/Sanitary Service	---	---			
Wholesale Trade	3	3.1			

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for “unknown” or “not classified” categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table AK-6.** Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Occupation Groupings, Alaska, 1983-1995.



DETAILED OCCUPATION	NO. OF DEATHS	RATE
Exec/Adm/Mgr		
Officials & Administrators, Public Admin	---	---
Other Executive, Admin & Managerial	19	6.4
Management Related Occupations	3	2.5
Prof/Spec		
Engineers	16	27.9
Mathematical and Computer Scientists	---	---
Natural Scientists	14	42.2
Health Diagnosing Occupations	---	---
Health Assessment and Treatment Occupations	3	5.7
Teachers, College and University	---	---
Teachers, Except College and University	7	5.2
Lawyers and Judges	---	---
Other Professional Specialty Occupations	8	6.6
Tech/Support		
Health Technologists and Technicians	---	---
Engineering and Science Technicians	---	---
Technicians, Exc Health/Engineering/Science	82	154.9
Sales		
Supervisors and Proprietors, Sales Occupations	5	4.9
Sales Reps, Finance and Business Services	---	---
Sales Reps, Commodities, Except Retail	---	---
Sales Workers, Retail & Personal Services	7	4.3
Sales Related Occupations	---	---
Clerical		
Supervisors, Administrative Support	---	---
Computer Equipment Operators	---	---
Secretaries, Stenographers, and Typists	---	---
Financial Records Processing	---	---
Mail and Message Distribution	---	---
Other Admin. Support, Including Clerical	3	1.2

DETAILED OCCUPATION	NO. OF DEATHS	RATE
Service		
Private Household Service Occupations	---	---
Protective Service	13	24.1
Food Service	7	4.5
Health Service	---	---
Cleaning and Building Service	4	3.8
Personal Service	15	16.9
Farm/For/Fish		
Farm Operators and Managers	3	---
Farm Workers and Related Occupations	3	---
Forestry and Fishing Occupations	299	489.6
Crafts		
Mechanics and Repairers	23	16.3
Construction Trades	47	33.4
Other Precision Production, Craft, and Repair	20	24.9
Mach Operators		
Machine Operators/Tenders, Except Precision	14	32.1
Fabricators, Assemblers, Inspectors, Samplers	10	42.2
Transport		
Motor Vehicle Operators	26	31.2
Other Transport and Material Moving Occ	50	110.0
Laborers		
Construction Laborers	12	59.8
Freight, Stock, & Materials Handlers	3	5.9
Other Handlers, Equip. Cleaner, Helper, Laborer	14	21.9
Other or Not Classified	33	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for "unknown" or "not classified" categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

## State of Arizona

Traumatic Occupational Fatalities (1980-1995):

Number: 590

Rate: 2.4 per 100,000 workers

Leading Causes of Death (1980-1995):

Motor Vehicle - 135

Machine - 81

Industries with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Construction - 99

Rate: Mining - 14.9 per 100,000 workers

Occupations with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Precision Production/Craft/Repair - 106

Rate: Transportation/Material Movers - 9.4 per 100,000 workers

**Table AZ-1.** Number and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Year, Arizona, 1980-1995.

YEAR OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
1980	70	6.5
1981	78	7.0
1982	42	3.5
1983	44	3.5
1984	56	4.2
1985	39	2.9
1986	20	1.4
1987	17	1.1
1988	11	0.7
1989	15	0.9
1990	12	0.7
1991	11	0.7
1992	36	2.1
1993	34	2.0
1994	48	2.6
1995	57	2.8
<b>Total</b>	<b>590</b>	<b>2.4</b>



**Table AZ-2.** Number<sup>\*†‡</sup> and Rate<sup>§</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Sex, Race, and Age Group, Arizona, 1980-1995.

DEMOGRAPHICS	Total		YEAR OF DEATH					
			1980-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Sex								
Male	550	4.1	313	7.5	69	1.6	168	3.4
Female	40	0.4	16	0.5	6	0.2	18	0.4
Race								
White	544	2.4	301	4.3	71	0.9	172	2.1
Black	15	2.5	10	6.6	---	---	---	---
Other	28	3.8	18	10.2	3	1.5	7	1.9
Age Group								
16-17	8	1.5	8	4.0	---	---	---	---
18-19	22	2.4	14	4.3	3	1.0	5	1.6
20-24	65	2.1	38	3.3	13	1.3	14	1.5
25-34	159	2.2	88	3.9	19	0.8	52	2.1
35-44	141	2.4	67	4.2	20	1.1	54	2.2
45-54	118	3.1	71	7.0	10	0.8	37	2.3
55-64	57	2.7	32	4.8	7	1.1	18	2.3
65+	19	3.3	10	6.0	3	1.6	6	2.7

\*Numbers not reported for cells with less than 3 deaths.

†Numbers not reported for “unknown” categories.

‡Numbers and rates not reported for some cells with 3 or more deaths to meet confidentiality requirements.

§Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table AZ-3.** Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Cause of Death, Arizona, 1980-1995.

CAUSE OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
Motor Vehicle	135	0.6
Machine	81	0.3
Fall	67	0.3
Struck by Falling Object	56	0.2
Electrocution	52	0.2
Homicide	48	0.2
Air Transport	44	0.2
Flying Object/Caught In	19	0.1
Explosion	17	0.1
Nature/Environment	16	0.1
Suffocation	12	< 0.1
Suicide	10	< 0.1
Poisoning	8	< 0.1
Rail Transport	5	< 0.1
Drowning	4	< 0.1
Fire	---	---
Water Transport	---	---
Other	10	< 0.1
Unknown/Undetermined	3	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for “unknown” or “not classified” categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table AZ-4. Number<sup>\*†</sup> and Rate<sup>†‡§</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Industry and Occupation Division, Arizona, 1983-1995.**

INDUSTRY/ OCCUPATION DIVISION	Total		YEAR OF DEATH					
			1983-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Industry Division								
Ag/For/Fish	35	5.6	14	10.4	3	1.2	18	7.3
Mining	26	14.9	8	18.7	7	10.2	11	17.3
Construction	99	6.0	40	11.4	23	3.5	36	5.6
Manufacturing	41	1.6	7	1.3	9	0.9	25	2.3
Trans/Comm/PU	61	4.5	30	11.2	7	1.6	24	3.8
Wholesale Trade	12	1.4	6	3.6	---	---	---	---
Retail Trade	36	1.0	7	1.0	8	0.6	21	1.3
Finance/Insur/RE	7	0.4	---	---	---	---	7	1.1
Services	38	0.5	15	1.2	6	0.2	17	0.5
Public Admin	27	2.4	---	---	---	---	18	3.5
Not Classified	18	---	5	---	8	---	5	---
Occupation Division								
Exec/Adm/Mgr	29	1.0	6	1.2	6	0.5	17	1.3
Prof/Spec	9	0.3	---	---	---	---	5	0.4
Tech/Support	13	1.7	8	5.5	---	---	5	1.5
Sales	14	0.5	---	---	---	---	10	0.8
Clerical	10	0.3	---	---	---	---	7	0.5
Service	44	1.5	11	2.1	7	0.6	26	2.2
Farm/For/Fish	35	5.7	13	10.0	5	2.1	17	6.8
Crafts	106	4.1	34	6.1	25	2.5	47	4.5
Mach Operators	20	2.5	4	2.4	6	1.8	10	3.3
Transport	70	9.4	39	27.8	7	2.4	24	7.7
Laborers	38	4.8	17	9.9	6	2.0	15	4.6
Not Classified	12	---	3	---	6	---	3	---

\*Numbers not reported for cells with less than 3 deaths.

†Numbers and rates not reported for some cells with 3 or more deaths to meet confidentiality requirements.

‡Rates not calculated for "unknown" or "not classified" categories.

§Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table AZ-5.** Number\* and Average Annual Rate<sup>††</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Industry Groupings, Arizona, 1983-1995.

DETAILED INDUSTRY	NO. OF DEATHS	RATE	DETAILED INDUSTRY	NO. OF DEATHS	RATE
Ag/For/Fish			Retail Trade		
Ag Production	19	7.0	Food Stores	11	1.8
Ag Services	15	4.5	Motor Veh/Auto Supply Dealer	3	0.7
Forestry & Fisheries	---	---	Apparel & Accessory Stores	---	---
Mining			Eating & Drinking Places	9	0.8
Metal/Coal/Nonmetal Mining	25	14.9	Other Retail Trade	13	0.9
Oil and Gas Extraction	---	---	Finance/Insur/RE		
Construction	99	6.0	Banking and Other Finance	---	---
Manufacturing			Insurance and Real Estate	5	0.5
Food & Kindred Prod	3	2.5	Services		
Textile Mill Prod	---	---	Business Services	8	0.8
Apparel & Other Textile Pr	---	---	Automobile and Repair Services	8	1.8
Paper & Allied Products	3	10.3	Private Household Services	---	---
Printing/Publishing/Allied	---	---	Pers Serv Exc Priv Household	3	0.4
Chemical/Petroleum/Rubber	4	2.7	Entertainment & Rec Services	7	2.0
Lumber & Wood	5	6.2	Hospitals	---	---
Furniture	---	---	Health Services, Exc Hosp	---	---
Stone/Clay/Concrete	---	---	Educational Services	---	---
Primary Metals	5	7.3	Other Professional Services	7	0.6
Fabricated Metals	3	2.1	Public Admin		
Mach, Ex Elect	3	0.8	Justice, Pub Order, & Safety	14	3.2
Elect Mach, Equip Supplies	---	---	Admin of Hum Res Programs	---	---
Motor Vehicles Equip	---	---	National Sec/Internal Affairs	4	2.2
Aircraft & Parts	---	---	Other Pub Admin	8	2.1
Other Transport Equip	---	---	Not Classified	18	---
Prof & Photo Equip/Watches	---	---			
Toys/Amusement/Sporting Goods	---	---			
Misc & NEC Industries	5	7.0			
Trans/Comm/PU					
Trucking/Warehousing/Storage	29	10.5			
Other Transportation	23	5.3			
Telephone Communications	---	---			
Other Communications	---	---			
Electric Light and Power	4	2.4			
Other Utility/Sanitary Service	4	2.3			
Wholesale Trade	12	1.4			

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for “unknown” or “not classified” categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table AZ-6.** Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Occupation Groupings, Arizona, 1983-1995.



DETAILED OCCUPATION	NO. OF DEATHS	RATE
Exec/Adm/Mgr		
Officials & Administrators, Public Admin	---	---
Other Executive, Admin & Managerial	26	1.3
Management Related Occupations	---	---
Prof/Spec		
Engineers	---	---
Mathematical and Computer Scientists	---	---
Natural Scientists	---	---
Health Diagnosing Occupations	---	---
Health Assessment and Treatment Occupations	---	---
Teachers, College and University	---	---
Teachers, Except College and University	---	---
Lawyers and Judges	3	3.6
Other Professional Specialty Occupations	---	---
Tech/Support		
Health Technologists and Technicians	---	---
Engineering and Science Technicians	---	---
Technicians, Exc Health/Engineering/Science	11	3.9
Sales		
Supervisors and Proprietors, Sales Occupations	8	1.1
Sales Reps, Finance and Business Services	---	---
Sales Reps, Commodities, Except Retail	---	---
Sales Workers, Retail & Personal Services	5	0.4
Sales Related Occupations	---	---
Clerical		
Supervisors, Administrative Support	---	---
Computer Equipment Operators	---	---
Secretaries, Stenographers, and Typists	---	---
Financial Records Processing	---	---
Mail and Message Distribution	---	---
Other Admin. Support, Including Clerical	6	0.4

DETAILED OCCUPATION	NO. OF DEATHS	RATE
Service		
Private Household Service Occupations	---	---
Protective Service	22	5.7
Food Service	5	0.5
Health Service	---	---
Cleaning and Building Service	11	2.0
Personal Service	5	1.1
Farm/For/Fish		
Farm Operators and Managers	5	6.9
Farm Workers and Related Occupations	27	5.0
Forestry and Fishing Occupations	3	---
Crafts		
Mechanics and Repairers	19	2.2
Construction Trades	64	6.1
Other Precision Production, Craft, and Repair	23	3.3
Mach Operators		
Machine Operators/Tenders, Except Precision	12	2.8
Fabricators, Assemblers, Inspectors, Samplers	8	2.1
Transport		
Motor Vehicle Operators	47	8.2
Other Transport and Material Moving Occ	23	13.4
Laborers		
Construction Laborers	22	14.0
Freight, Stock, & Materials Handlers	4	1.5
Other Handlers, Equip. Cleaner, Helper, Laborer	12	3.2
Other or Not Classified	12	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for "unknown" or "not classified" categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

## State of Arkansas

### Traumatic Occupational Fatalities (1980-1995):

Number: 1,335

Rate: 8.2 per 100,000 workers

### Leading Causes of Death (1980-1995):

Motor Vehicle - 397

Machine - 159

### Industries with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Manufacturing - 224

Rate: Mining - 26.6 per 100,000 workers

### Occupation with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Transportation/Material Movers - 254

Rate: Transportation/Material Movers - 32.8 per 100,000 workers

**Table AR-1.** *Number and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Year, Arkansas, 1980-1995.*

YEAR OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
1980	81	8.9
1981	79	8.4
1982	93	10.0
1983	64	7.0
1984	60	6.4
1985	110	11.3
1986	102	10.4
1987	107	10.7
1988	108	10.5
1989	65	6.0
1990	62	5.9
1991	96	9.3
1992	74	6.9
1993	93	8.5
1994	76	6.6
1995	65	5.6
<b>Total</b>	<b>1,335</b>	<b>8.2</b>

**Table AR-2.** Number<sup>\*†‡</sup> and Rate<sup>§</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Sex, Race, and Age Group, Arkansas, 1980-1995.

DEMOGRAPHICS	Total		YEAR OF DEATH					
			1980-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Sex								
Male	1,254	14.0	459	14.6	420	14.8	375	12.6
Female	81	1.1	28	1.1	24	1.0	29	1.1
Race								
White	1,123	8.0	412	8.4	370	8.3	341	7.2
Black	200	10.2	73	11.3	68	11.1	59	8.4
Other	10	4.6	---	---	---	---	4	4.8
Age Group								
16-17	13	3.2	7	4.7	---	---	---	---
18-19	37	5.9	20	8.4	10	5.3	7	3.5
20-24	148	7.4	73	9.2	44	7.3	31	5.1
25-34	348	8.1	119	8.2	128	8.8	101	7.2
35-44	273	7.0	81	6.6	97	7.7	95	6.7
45-54	231	8.3	78	8.7	75	8.7	78	7.6
55-64	182	10.9	68	10.4	57	11.3	57	11.0
65+	101	18.3	39	18.4	31	20.0	31	16.8

\*Numbers not reported for cells with less than 3 deaths.

†Numbers not reported for "unknown" categories.

‡Numbers and rates not reported for some cells with 3 or more deaths to meet confidentiality requirements.

§Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table AR-3.** Number\* and Average Annual Rate† (per 100,000 workers) of Traumatic Occupational Fatalities by Cause of Death, Arkansas, 1980-1995.

CAUSE OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
Motor Vehicle	397	2.4
Machine	159	1.0
Homicide	137	0.8
Struck by Falling Object	115	0.7
Electrocution	102	0.6
Fall	79	0.5
Air Transport	76	0.5
Nature/Environment	49	0.3
Suicide	38	0.2
Suffocation	25	0.2
Flying Object/Caught In	24	0.1
Explosion	22	0.1
Poisoning	19	0.1
Drowning	16	0.1
Fire	14	0.1
Water Transport	14	0.1
Rail Transport	3	< 0.1
Other	44	0.3
Unknown/Undetermined	---	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for "unknown" or "not classified" categories.

**Table AR-4.** Number<sup>\*†</sup> and Rate<sup>†‡§</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Industry and Occupation Division, Arkansas, 1983-1995.

INDUSTRY/ OCCUPATION DIVISION	Total		YEAR OF DEATH					
			1983-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Industry Division								
Ag/For/Fish	144	19.1	29	14.1	54	18.6	61	23.8
Mining	13	26.6	---	---	7	---	---	---
Construction	163	18.0	40	20.5	65	18.2	58	16.4
Manufacturing	224	7.6	37	6.2	105	9.3	82	6.7
Trans/Comm/PU	215	22.0	42	20.8	96	25.6	77	19.2
Wholesale Trade	38	7.6	4	3.6	18	9.1	16	8.3
Retail Trade	78	3.3	17	3.5	25	2.7	36	3.7
Finance/Insur/RE	18	2.8	---	---	9	3.6	---	---
Services	90	2.4	30	3.8	29	2.0	31	1.9
Public Admin	44	8.9	11	11.6	16	8.7	17	7.8
Not Classified	55	---	18	---	20	---	17	---
Occupation Division								
Exec/Adm/Mgr	56	4.5	9	3.7	25	5.4	22	4.0
Prof/Spec	25	1.9	7	2.8	11	2.2	7	1.2
Tech/Support	44	12.1	12	18.0	18	12.5	14	9.1
Sales	64	4.0	18	5.4	23	3.7	23	3.6
Clerical	15	0.8	---	---	7	1.0	---	---
Service	70	4.0	13	3.4	25	3.7	32	4.6
Farm/For/Fish	187	24.6	36	17.5	84	29.5	67	24.9
Crafts	153	8.6	30	7.5	56	8.1	67	9.7
Mach Operators	52	3.9	12	4.5	18	3.5	22	3.9
Transport	254	32.8	49	30.5	114	39.1	91	28.2
Laborers	116	16.7	27	19.2	48	17.9	41	14.4
Not Classified	46	---	19	---	15	---	12	---

\*Numbers not reported for cells with less than 3 deaths.

†Numbers and rates not reported for some cells with 3 or more deaths to meet confidentiality requirements.

‡Rates not calculated for "unknown" or "not classified" categories.

§Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table AR-5.** Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Industry Groupings, Arkansas, 1983-1995.

DETAILED INDUSTRY	NO. OF DEATHS	RATE	DETAILED INDUSTRY	NO. OF DEATHS	RATE
Ag/For/Fish			Retail Trade		
Ag Production	116	18.9	Food Stores	29	7.1
Ag Services	25	24.0	Motor Veh/Auto Supply Dealer	11	3.5
Forestry & Fisheries	3	8.8	Apparel & Accessory Stores	---	---
Mining			Eating & Drinking Places	11	1.8
Metal/Coal/Nonmetal Mining	3	---	Other Retail Trade	27	2.8
Oil and Gas Extraction	10	31.0	Finance/Insur/RE		
Construction	163	18.0	Banking and Other Finance	4	1.4
Manufacturing			Insurance and Real Estate	14	4.0
Food & Kindred Prod	29	4.4	Services		
Textile Mill Prod	---	---	Business Services	13	4.3
Apparel & Other Textile Pr	3	1.8	Automobile and Repair Services	30	11.3
Paper & Allied Products	6	3.1	Private Household Services	---	---
Printing/Publishing/Allied	7	4.2	Pers Serv Exc Priv Household	8	2.1
Chemical/Petroleum/Rubber	16	8.5	Entertainment & Rec Services	4	3.2
Lumber & Wood	93	41.4	Hospitals	6	1.2
Furniture	---	---	Health Services, Exc Hosp	3	0.6
Stone/Clay/Concrete	11	13.7	Educational Services	11	1.1
Primary Metals	15	11.0	Other Professional Services	14	2.3
Fabricated Metals	5	2.6	Public Admin		
Mach, Ex Elect	11	4.7	Justice, Pub Order, & Safety	30	16.3
Elect Mach, Equip Supplies	3	1.2	Admin of Hum Res Programs	---	---
Motor Vehicles Equip	4	4.5	National Sec/Internal Affairs	---	---
Aircraft & Parts	---	---	Other Pub Admin	10	6.4
Other Transport Equip	---	---	Not Classified	56	---
Prof & Photo Equip/Watches	---	---			
Toys/Amusement/Sporting Goods	---	---			
Misc & NEC Industries	14	13.1			
Trans/Comm/PU					
Trucking/Warehousing/Storage	136	38.4			
Other Transportation	42	16.4			
Telephone Communications	5	5.2			
Other Communications	---	---			
Electric Light and Power	16	12.6			
Other Utility/Sanitary Service	16	16.0			
Wholesale Trade	38	7.6			

\*Numbers not reported for cells with less than 3 deaths.  
<sup>†</sup>Rates not calculated for "unknown" or "not classified" categories.  
<sup>‡</sup>Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table AR-6.** Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Occupation Groupings, Arkansas, 1983-1995.



DETAILED OCCUPATION	NO. OF DEATHS	RATE
Exec/Adm/Mgr		
Officials & Administrators, Public Admin	3	5.8
Other Executive, Admin & Managerial	47	5.1
Management Related Occupations	6	2.1
Prof/Spec		
Engineers	9	9.5
Mathematical and Computer Scientists	---	---
Natural Scientists	---	---
Health Diagnosing Occupations	---	---
Health Assessment and Treatment Occupations	---	---
Teachers, College and University	---	---
Teachers, Except College and University	3	0.7
Lawyers and Judges	4	7.9
Other Professional Specialty Occupations	6	2.1
Tech/Support		
Health Technologists and Technicians	5	2.8
Engineering and Science Technicians	5	5.2
Technicians, Exc Health/Engineering/Science	34	37.0
Sales		
Supervisors and Proprietors, Sales Occupations	34	7.0
Sales Reps, Finance and Business Services	5	2.4
Sales Reps, Commodities, Except Retail	7	5.1
Sales Workers, Retail & Personal Services	18	2.4
Sales Related Occupations	---	---
Clerical		
Supervisors, Administrative Support	---	---
Computer Equipment Operators	---	---
Secretaries, Stenographers, and Typists	3	0.7
Financial Records Processing	---	---
Mail and Message Distribution	---	---
Other Admin. Support, Including Clerical	10	1.2

DETAILED OCCUPATION	NO. OF DEATHS	RATE
Service		
Private Household Service Occupations	---	---
Protective Service	38	20.7
Food Service	6	1.0
Health Service	---	---
Cleaning and Building Service	20	5.6
Personal Service	3	1.1
Farm/For/Fish		
Farm Operators and Managers	88	25.0
Farm Workers and Related Occupations	42	11.6
Forestry and Fishing Occupations	57	124.1
Crafts		
Mechanics and Repairers	47	7.6
Construction Trades	84	13.8
Other Precision Production, Craft, and Repair	22	4.0
Mach Operators		
Machine Operators/Tenders, Except Precision	31	3.4
Fabricators, Assemblers, Inspectors, Samplers	21	4.7
Transport		
Motor Vehicle Operators	205	39.2
Other Transport and Material Moving Occ	49	19.5
Laborers		
Construction Laborers	46	58.2
Freight, Stock, & Materials Handlers	17	6.6
Other Handlers, Equip. Cleaner, Helper, Laborer	53	14.9
Other or Not Classified	46	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for "unknown" or "not classified" categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

## State of California

### Traumatic Occupational Fatalities (1980-1995):

Number: 9,670

Rate: 4.7 per 100,000 workers

### Leading Causes of Death (1980-1995):

Motor Vehicle - 2,720

Homicide - 2,156

### Industries with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Transportation/Communications/Public Utilities - 1,308

Rate: Mining - 23.1 per 100,000 workers

### Occupations with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Precision Production/Craft/Repair - 1,420

Rate: Transportation/Material Movers - 21.5 per 100,000 workers

*Table CA-1. Number and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Year, California, 1980-1995.*

YEAR OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
1980	797	7.4
1981	735	6.8
1982	631	5.8
1983	599	5.4
1984	677	5.8
1985	632	5.3
1986	621	5.0
1987	635	4.9
1988	589	4.4
1989	556	4.1
1990	476	3.3
1991	571	4.1
1992	528	3.8
1993	548	3.9
1994	495	3.5
1995	580	4.1
<b>Total</b>	<b>9,670</b>	<b>4.7</b>

*Table CA-2. Number\* and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Sex, Race, and Age Group, California, 1980-1995.*

DEMOGRAPHICS	Total		YEAR OF DEATH					
	No.	Rate	1980-85		1986-90		1991-95	
			No.	Rate	No.	Rate	No.	Rate
Sex								
Male	8,881	7.7	3,762	9.9	2,634	7.0	2,485	6.3
Female	788	0.9	309	1.1	243	0.8	236	0.8
Race								
White	8,281	4.8	3,518	6.1	2,481	4.4	2,282	3.9
Black	635	5.3	285	6.5	179	4.7	171	4.6
Other	715	3.7	262	5.0	198	3.2	255	3.2
Age Group								
16-17	87	2.4	45	3.1	27	2.2	15	1.6
18-19	283	4.0	139	5.2	81	3.5	63	3.0
20-24	1,022	4.0	494	5.3	305	3.7	223	2.9
25-34	2,695	4.4	1,149	5.6	821	4.0	725	3.6
35-44	2,215	4.4	834	5.7	673	4.0	708	3.7
45-54	1,646	5.0	673	6.6	460	4.5	513	4.1
55-64	1,194	6.5	542	8.0	333	5.8	319	5.4
65+	515	10.3	188	11.9	171	10.4	156	8.8

\*Numbers not reported for "unknown" categories.

**Table CA-3.** *Number and Average Annual Rate\* (per 100,000 workers) of Traumatic Occupational Fatalities by Cause of Death, California, 1980-1995.*

CAUSE OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
Motor Vehicle	2,720	1.3
Homicide	2,156	1.1
Machine	838	0.4
Fall	748	0.4
Electrocution	461	0.2
Suicide	450	0.2
Air Transport	447	0.2
Struck by Falling Object	317	0.2
Flying Object/Caught In	166	0.1
Explosion	165	0.1
Nature/Environment	165	0.1
Poisoning	161	0.1
Drowning	142	0.1
Fire	131	0.1
Water Transport	120	0.1
Suffocation	116	0.1
Rail Transport	48	< 0.1
Other	273	0.1
Unknown/Undetermined	46	---

\*Rates not calculated for "unknown" or "not classified" categories.

**Table CA-4.** Number and Rate\* (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Industry and Occupation Division, California, 1983-1995.

INDUSTRY/ OCCUPATION DIVISION	Total		YEAR OF DEATH					
			1983-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Industry Division								
Ag/For/Fish	712	12.6	195	19.0	290	13.3	227	9.2
Mining	112	23.1	42	30.1	48	25.4	22	14.0
Construction	1,181	11.3	293	14.5	503	11.4	385	9.5
Manufacturing	963	3.2	261	3.9	385	3.2	317	2.8
Trans/Comm/PU	1,308	11.6	346	14.8	522	12.6	440	9.3
Wholesale Trade	223	3.1	51	3.5	81	3.0	91	3.0
Retail Trade	916	3.2	200	3.5	303	2.8	413	3.5
Finance/Insur/RE	170	1.4	37	1.5	52	1.0	81	1.6
Services	1,229	2.1	275	2.5	447	2.0	507	2.0
Public Admin	412	5.5	122	8.2	145	5.0	145	4.6
Not Classified	281	---	86	---	101	---	94	---
Occupation Division								
Exec/Adm/Mgr	601	2.5	134	2.9	224	2.4	243	2.4
Prof/Spec	434	1.8	99	2.1	163	1.8	172	1.7
Tech/Support	240	4.4	50	4.4	90	4.2	100	4.6
Sales	682	3.3	160	3.8	200	2.5	322	3.8
Clerical	208	0.7	55	0.9	87	0.8	66	0.6
Service	728	3.3	180	4.1	270	3.2	278	3.0
Farm/For/Fish	750	13.5	206	19.9	303	14.5	241	9.9
Crafts	1,420	7.4	370	9.0	548	7.2	502	6.8
Mach Operators	300	3.0	84	4.1	119	2.9	97	2.5
Transport	1,286	21.5	346	30.2	520	23.2	420	16.2
Laborers	595	9.7	150	12.5	245	10.2	200	7.9
Not Classified	263	---	74	---	108	---	81	---

\*Rates not calculated for "unknown" or "not classified" categories.

**Table CA-5. Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Industry Groupings, California, 1983-1995.**

DETAILED INDUSTRY	NO. OF DEATHS	RATE	DETAILED INDUSTRY	NO. OF DEATHS	RATE
Ag/For/Fish			Retail Trade		
Ag Production	462	15.2	Food Stores	235	5.6
Ag Services	192	8.0	Motor Veh/Auto Supply Dealer	116	4.0
Forestry & Fisheries	58	27.7	Apparel & Accessory Stores	18	1.2
Mining			Eating & Drinking Places	229	2.6
Metal/Coal/Nonmetal Mining	21	13.4	Other Retail Trade	318	3.0
Oil and Gas Extraction	91	27.7	Finance/Insur/RE		
Construction	1,181	11.3	Banking and Other Finance	49	0.9
Manufacturing			Insurance and Real Estate	121	1.7
Food & Kindred Prod	111	4.4	Services		
Textile Mill Prod	7	3.0	Business Services	355	4.0
Apparel & Other Textile Pr	16	0.8	Automobile and Repair Services	282	7.9
Paper & Allied Products	22	4.3	Private Household Services	27	1.3
Printing/Publishing/Allied	50	1.9	Pers Serv Exc Priv Household	117	2.3
Chemical/Petroleum/Rubber	90	3.8	Entertainment & Rec Services	118	3.3
Lumber & Wood	179	27.0	Hospitals	51	0.9
Furniture	33	3.7	Health Services, Exc Hosp	55	0.9
Stone/Clay/Concrete	33	4.6	Educational Services	81	0.7
Primary Metals	45	9.4	Other Professional Services	143	1.3
Fabricated Metals	48	3.0	Public Admin		
Mach, Ex Elect	58	1.6	Justice, Pub Order, & Safety	213	7.4
Elect Mach, Equip Supplies	62	1.4	Admin of Hum Res Programs	---	---
Motor Vehicles Equip	10	1.7	National Sec/Internal Affairs	65	4.7
Aircraft & Parts	33	1.9	Other Pub Admin	129	5.0
Other Transport Equip	64	2.3	Not Classified	285	---
Prof & Photo Equip/Watches	9	0.7			
Toys/Amusement/Sporting Goods	---	---			
Misc & NEC Industries	91	12.6			
Trans/Comm/PU					
Trucking/Warehousing/Storage	734	27.6			
Other Transportation	359	8.1			
Telephone Communications	26	1.6			
Other Communications	42	6.3			
Electric Light and Power	29	7.6			
Other Utility/Sanitary Service	118	8.1			
Wholesale Trade	223	3.1			

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for “unknown” or “not classified” categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table CA-6. Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Occupation Groupings, California, 1983-1995.**

DETAILED OCCUPATION	NO. OF DEATHS	RATE
Exec/Adm/Mgr		
Officials & Administrators, Public Admin	11	1.6
Other Executive, Admin & Managerial	519	3.0
Management Related Occupations	71	1.1
Prof/Spec		
Engineers	122	3.1
Mathematical and Computer Scientists	14	1.0
Natural Scientists	24	3.4
Health Diagnosing Occupations	43	3.2
Health Assessment and Treatment Occupations	27	0.9
Teachers, College and University	10	1.1
Teachers, Except College and University	46	0.9
Lawyers and Judges	25	1.9
Other Professional Specialty Occupations	123	1.9
Tech/Support		
Health Technologists and Technicians	11	0.7
Engineering and Science Technicians	66	3.7
Technicians, Exc Health/Engineering/Science	163	8.2
Sales		
Supervisors and Proprietors, Sales Occupations	376	6.9
Sales Reps, Finance and Business Services	71	1.8
Sales Reps, Commodities, Except Retail	31	1.3
Sales Workers, Retail & Personal Services	202	2.3
Sales Related Occupations	---	---
Clerical		
Supervisors, Administrative Support	13	1.1
Computer Equipment Operators	4	0.4
Secretaries, Stenographers, and Typists	20	0.3
Financial Records Processing	9	0.2
Mail and Message Distribution	38	2.8
Other Admin. Support, Including Clerical	124	0.9

DETAILED OCCUPATION	NO. OF DEATHS	RATE
Service		
Private Household Service Occupations	17	1.0
Protective Service	381	12.8
Food Service	100	1.3
Health Service	10	0.5
Cleaning and Building Service	161	4.1
Personal Service	59	1.7
Farm/For/Fish		
Farm Operators and Managers	135	16.5
Farm Workers and Related Occupations	471	10.2
Forestry and Fishing Occupations	144	122.7
Crafts		
Mechanics and Repairers	408	6.8
Construction Trades	722	10.2
Other Precision Production, Craft, and Repair	290	4.8
Mach Operators		
Machine Operators/Tenders, Except Precision	187	2.9
Fabricators, Assemblers, Inspectors, Samplers	113	3.1
Transport		
Motor Vehicle Operators	1044	22.0
Other Transport and Material Moving Occ	242	19.6
Laborers		
Construction Laborers	263	23.9
Freight, Stock, & Materials Handlers	108	5.2
Other Handlers, Equip. Cleaner, Helper, Laborer	224	7.6
Other or Not Classified	263	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for "unknown" or "not classified" categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

## State of Colorado

### Traumatic Occupational Fatalities (1980-1995):

Number: 1,631

Rate: 6.2 per 100,000 workers

### Leading Causes of Death (1980-1995):

Motor Vehicle - 477

Machine - 165

### Industries with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Transportation/Communications/Public Utilities - 247

Rate: Agriculture/Forestry/Fisheries - 26.3 per 100,000 workers

### Occupations with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Precision Production/Craft/Repair - 245

Rate: Transportation/Material Movers - 27.9 per 100,000 workers

*Table CO-1. Number and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Year, Colorado, 1980-1995.*

YEAR OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
1980	132	9.4
1981	144	10.0
1982	157	10.8
1983	71	4.6
1984	127	7.8
1985	124	7.7
1986	108	6.9
1987	89	5.7
1988	74	4.6
1989	73	4.6
1990	74	4.4
1991	98	5.8
1992	91	5.3
1993	87	4.8
1994	93	4.8
1995	89	4.4
<b>Total</b>	<b>1,631</b>	<b>6.2</b>



**Table CO-2. Number<sup>\*\*†‡</sup> and Rate<sup>§§</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Sex, Race, and Age Group, Colorado, 1980-1995.**

DEMOGRAPHICS	Total		YEAR OF DEATH					
			1980-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Sex								
Male	1,510	10.6	713	14.0	380	8.9	417	8.5
Female	121	1.0	42	1.1	38	1.0	41	1.0
Race								
White	1,568	6.4	736	8.5	396	5.3	436	5.2
Black	46	4.9	13	4.6	16	5.1	17	4.8
Other	15	2.0	6	3.9	5	2.4	4	1.0
Age Group								
16-17	19	3.1	11	4.5	---	---	---	---
18-19	38	4.4	21	6.0	13	5.1	4	1.6
20-24	185	6.2	108	9.0	37	4.6	40	4.1
25-34	495	6.2	255	8.7	139	5.5	101	4.0
35-44	368	5.5	147	7.3	92	4.3	129	5.0
45-54	253	6.2	105	8.1	68	5.8	80	4.9
55-64	170	7.5	64	7.9	47	6.6	59	8.1
65+	102	16.7	44	20.2	19	10.4	39	18.7

\*Numbers not reported for cells with less than 3 deaths.

†Numbers not reported for “unknown” categories.

‡Numbers and rates not reported for some cells with 3 or more deaths to meet confidentiality requirements.

§Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table CO-3.** *Number and Average Annual Rate\* (per 100,000 workers) of Traumatic Occupational Fatalities by Cause of Death, Colorado, 1980-1995.*

CAUSE OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
Motor Vehicle	477	1.8
Machine	165	0.6
Air Transport	144	0.6
Homicide	144	0.6
Fall	132	0.5
Electrocution	91	0.3
Struck by Falling Object	78	0.3
Explosion	47	0.2
Fire	47	0.2
Suffocation	47	0.2
Nature/Environment	46	0.2
Poisoning	46	0.2
Suicide	45	0.2
Flying Object/Caught In	33	0.1
Rail Transport	21	0.1
Drowning	17	0.1
Water Transport	6	< 0.1
Other	31	0.1
Unknown/Undetermined	14	---

\*Rates not calculated for "unknown" or "not classified" categories.

**Table CO-4.** Number<sup>\*†</sup> and Rate<sup>†‡§</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Industry and Occupation Division, Colorado, 1983-1995.

INDUSTRY/ OCCUPATION DIVISION	Total		YEAR OF DEATH					
			1983-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Industry Division								
Ag/For/Fish	145	26.3	33	19.9	35	19.2	77	37.8
Mining	67	19.5	18	13.1	26	21.3	23	27.4
Construction	235	15.5	71	17.8	85	16.6	79	13.0
Manufacturing	107	3.8	33	5.4	36	3.5	38	3.3
Trans/Comm/PU	247	13.9	81	22.1	80	12.3	86	11.3
Wholesale Trade	37	4.2	14	6.6	12	3.5	11	3.5
Retail Trade	77	2.0	13	1.6	31	2.2	33	2.1
Finance/Insur/RE	17	1.0	---	---	---	---	8	1.2
Services	156	2.1	32	2.2	64	2.3	60	1.8
Public Admin	61	6.0	11	5.0	24	6.2	26	6.5
Not Classified	49	---	14	---	18	---	17	---
Occupation Division								
Exec/Adm/Mgr	78	2.5	18	2.7	29	2.5	31	2.3
Prof/Spec	86	2.6	18	2.7	32	2.7	36	2.4
Tech/Support	61	7.3	12	6.8	23	7.6	26	7.2
Sales	67	2.3	12	2.0	24	2.2	31	2.6
Clerical	21	0.6	8	1.0	8	0.6	5	0.4
Service	100	3.5	17	2.9	46	4.3	37	3.1
Farm/For/Fish	131	23.9	30	18.4	32	16.9	69	35.4
Crafts	245	10.5	72	12.2	79	9.6	94	10.2
Mach Operators	42	5.0	16	8.9	12	3.8	14	4.0
Transport	218	27.9	75	42.8	72	25.7	71	21.9
Laborers	106	13.6	33	20.2	44	15.5	29	8.8
Not Classified	43	---	11	---	17	---	15	---

\*Numbers not reported for cells with less than 3 deaths.

†Numbers and rates not reported for some cells with 3 or more deaths to meet confidentiality requirements.

‡Rates not calculated for "unknown" or "not classified" categories.

§Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table CO-5. Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Industry Groupings, Colorado, 1983-1995.**

DETAILED INDUSTRY	NO. OF DEATHS	RATE	DETAILED INDUSTRY	NO. OF DEATHS	RATE
Ag/For/Fish			Retail Trade		
Ag Production	103	28.1	Food Stores	10	1.8
Ag Services	22	13.7	Motor Veh/Auto Supply Dealer	16	4.3
Forestry & Fisheries	20	81.7	Apparel & Accessory Stores	4	2.1
Mining			Eating & Drinking Places	21	1.7
Metal/Coal/Nonmetal Mining	28	21.5	Other Retail Trade	26	1.8
Oil and Gas Extraction	39	18.3	Finance/Insur/RE		
Construction	235	15.5	Banking and Other Finance	6	0.9
Manufacturing			Insurance and Real Estate	11	1.1
Food & Kindred Prod	13	4.1	Services		
Textile Mill Prod	---	---	Business Services	24	2.1
Apparel & Other Textile Pr	---	---	Automobile and Repair Services	37	9.1
Paper & Allied Products	---	---	Private Household Services	---	---
Printing/Publishing/Allied	3	0.8	Pers Serv Exc Priv Household	15	2.3
Chemical/Petroleum/Rubber	9	4.9	Entertainment & Rec Services	24	6.4
Lumber & Wood	16	19.6	Hospitals	6	0.8
Furniture	3	5.7	Health Services, Exc Hosp	11	1.4
Stone/Clay/Concrete	5	5.1	Educational Services	22	1.4
Primary Metals	8	16.6	Other Professional Services	16	1.0
Fabricated Metals	3	1.7	Public Admin		
Mach, Ex Elect	14	2.7	Justice, Pub Order, & Safety	38	12.9
Elect Mach, Equip Supplies	6	2.1	Admin of Hum Res Programs	---	---
Motor Vehicles Equip	4	13.4	National Sec/Internal Affairs	7	5.5
Aircraft & Parts	3	13.5	Other Pub Admin	16	3.1
Other Transport Equip	4	1.8	Not Classified	49	---
Prof & Photo Equip/Watches	4	2.2			
Toys/Amusement/Sporting Goods	---	---			
Misc & NEC Industries	8	8.8			
Trans/Comm/PU					
Trucking/Warehousing/Storage	111	33.9			
Other Transportation	81	13.2			
Telephone Communications	5	1.3			
Other Communications	5	4.2			
Electric Light and Power	14	13.1			
Other Utility/Sanitary Service	31	14.8			
Wholesale Trade	37	4.2			

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for “unknown” or “not classified” categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table CO-6.** Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Occupation Groupings, Colorado, 1983-1995.



DETAILED OCCUPATION	NO. OF DEATHS	RATE
Exec/Adm/Mgr		
Officials & Administrators, Public Admin	---	---
Other Executive, Admin & Managerial	68	3.0
Management Related Occupations	9	1.1
Prof/Spec		
Engineers	18	3.4
Mathematical and Computer Scientists	---	---
Natural Scientists	13	8.4
Health Diagnosing Occupations	4	2.3
Health Assessment and Treatment Occupations	5	1.3
Teachers, College and University	---	---
Teachers, Except College and University	20	2.8
Lawyers and Judges	---	---
Other Professional Specialty Occupations	22	2.6
Tech/Support		
Health Technologists and Technicians	---	---
Engineering and Science Technicians	12	4.3
Technicians, Exc Health/Engineering/Science	49	13.9
Sales		
Supervisors and Proprietors, Sales Occupations	27	3.8
Sales Reps, Finance and Business Services	9	1.6
Sales Reps, Commodities, Except Retail	8	2.4
Sales Workers, Retail & Personal Services	23	1.9
Sales Related Occupations	---	---
Clerical		
Supervisors, Administrative Support	---	---
Computer Equipment Operators	---	---
Secretaries, Stenographers, and Typists	---	---
Financial Records Processing	---	---
Mail and Message Distribution	---	---
Other Admin. Support, Including Clerical	16	0.9

DETAILED OCCUPATION	NO. OF DEATHS	RATE
Service		
Private Household Service Occupations	---	---
Protective Service	56	18.3
Food Service	10	0.9
Health Service	5	1.7
Cleaning and Building Service	20	3.9
Personal Service	9	1.8
Farm/For/Fish		
Farm Operators and Managers	69	34.9
Farm Workers and Related Occupations	43	12.8
Forestry and Fishing Occupations	19	---
Crafts		
Mechanics and Repairers	61	7.9
Construction Trades	116	12.3
Other Precision Production, Craft, and Repair	68	11.1
Mach Operators		
Machine Operators/Tenders, Except Precision	22	4.4
Fabricators, Assemblers, Inspectors, Samplers	20	5.8
Transport		
Motor Vehicle Operators	166	26.6
Other Transport and Material Moving Occ	52	33.3
Laborers		
Construction Laborers	68	48.1
Freight, Stock, & Materials Handlers	9	3.2
Other Handlers, Equip. Cleaner, Helper, Laborer	29	8.1
Other or Not Classified	43	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for "unknown" or "not classified" categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

## State of Connecticut

### Traumatic Occupational Fatalities (1980-1995):

Number: 445

Rate: 1.7 per 100,000 workers

### Leading Causes of Death (1980-1995):

Homicide - 88

Fall - 69

### Industries with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Construction - 106

Rate: Agriculture/Forestry/Fisheries - 10.1 per 100,000 workers

### Occupations with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Precision Production/Craft/Repair - 99

Rate: Transportation/Material Movers - 7.4 per 100,000 workers

**Table CT-1.** *Number and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Year, Connecticut, 1980-1995.*

YEAR OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
1980	26	1.7
1981	24	1.6
1982	17	1.1
1983	18	1.2
1984	20	1.3
1985	21	1.3
1986	34	2.0
1987	54	3.2
1988	30	1.8
1989	11	0.6
1990	36	2.1
1991	28	1.6
1992	30	1.8
1993	26	1.6
1994	38	2.3
1995	32	2.0
<b>Total</b>	<b>445</b>	<b>1.7</b>

**Table CT-2.** Number<sup>\*†‡</sup> and Rate<sup>§</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Sex, Race, and Age Group, Connecticut, 1980-1995.

DEMOGRAPHICS	Total		YEAR OF DEATH					
			1980-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Sex								
Male	414	2.9	121	2.3	155	3.4	138	3.1
Female	31	0.3	5	0.1	10	0.3	16	0.4
Race								
White	384	1.6	106	1.2	141	1.8	137	1.8
Black	42	2.4	16	2.7	17	3.1	9	1.4
Other	15	4.8	3	4.7	4	4.4	8	5.2
Age Group								
16-17	5	0.7	---	---	---	---	---	---
18-19	8	0.9	---	---	3	1.1	---	---
20-24	41	1.4	14	1.2	20	2.1	7	1.0
25-34	115	1.7	33	1.4	44	1.9	38	1.8
35-44	102	1.6	29	1.4	36	1.8	37	1.6
45-54	84	1.8	25	1.6	26	1.8	33	2.1
55-64	57	1.8	15	1.2	22	2.2	20	2.4
65+	33	3.7	5	1.7	13	4.3	15	5.2

\*Numbers not reported for cells with less than 3 deaths.

†Numbers not reported for “unknown” categories.

‡Numbers and rates not reported for some cells with 3 or more deaths to meet confidentiality requirements.

§Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table CT-3.** *Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Cause of Death, Connecticut, 1980-1995.*

CAUSE OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
Homicide	88	0.3
Fall	69	0.3
Motor Vehicle	68	0.3
Machine	44	0.2
Struck by Falling Object	41	0.2
Electrocution	24	0.1
Suicide	24	0.1
Flying Object/Caught In	21	0.1
Explosion	11	< 0.1
Nature/Environment	8	< 0.1
Air Transport	7	< 0.1
Suffocation	7	< 0.1
Fire	5	< 0.1
Water Transport	5	< 0.1
Poisoning	4	< 0.1
Drowning	3	< 0.1
Rail Transport	---	---
Other	13	< 0.1
Unknown/Undetermined	3	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for “unknown” or “not classified” categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table CT-4.** Number<sup>\*†</sup> and Rate<sup>†‡§</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Industry and Occupation Division, Connecticut, 1983-1995.

INDUSTRY/ OCCUPATION DIVISION	Total		YEAR OF DEATH					
			1983-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Industry Division								
Ag/For/Fish	22	10.1	---	---	---	---	14	14.7
Mining	---	---	---	---	---	---	---	---
Construction	106	8.3	18	6.7	62	10.5	26	6.3
Manufacturing	61	1.2	12	0.9	24	1.2	25	1.5
Trans/Comm/PU	47	3.5	10	3.3	15	2.9	22	4.2
Wholesale Trade	8	1.1	---	---	4	1.4	---	---
Retail Trade	46	1.4	7	1.0	15	1.2	24	1.8
Finance/Insur/RE	6	0.3	---	---	---	---	3	0.4
Services	29	0.4	3	0.2	13	0.5	13	0.5
Public Admin	20	2.8	---	---	8	3.0	12	4.0
Not Classified	32	---	6	---	14	---	12	---
Occupation Division								
Exec/Adm/Mgr	35	1.1	5	0.8	14	1.2	16	1.3
Prof/Spec	14	0.4	3	0.4	5	0.4	6	0.4
Tech/Support	8	1.1	---	---	---	---	5	1.8
Sales	21	0.8	---	---	---	---	14	1.4
Clerical	9	0.2	---	---	3	0.2	6	0.5
Service	33	1.3	3	0.6	17	1.8	13	1.2
Farm/For/Fish	16	6.9	---	---	8	9.4	---	---
Crafts	99	3.8	19	3.1	44	4.1	36	4.0
Mach Operators	27	1.8	6	1.5	10	1.6	11	2.3
Transport	50	7.4	7	4.5	23	9.3	20	7.3
Laborers	44	6.9	7	5.1	28	11.0	9	3.7
Not Classified	22	---	5	---	6	---	11	---

\*Numbers not reported for cells with less than 3 deaths.

†Numbers and rates not reported for some cells with 3 or more deaths to meet confidentiality requirements.

‡Rates not calculated for "unknown" or "not classified" categories.

§Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table CT-5.** Number\* and Average Annual Rate<sup>††</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Industry Groupings, Connecticut, 1983-1995.

DETAILED INDUSTRY	NO. OF DEATHS	RATE	DETAILED INDUSTRY	NO. OF DEATHS	RATE
Ag/For/Fish			Retail Trade		
Ag Production	7	10.8	Food Stores	7	1.1
Ag Services	12	8.1	Motor Veh/Auto Supply Dealer	7	2.1
Forestry & Fisheries	3	---	Apparel & Accessory Stores	---	---
Mining			Eating & Drinking Places	18	2.0
Metal/Coal/Nonmetal Mining	---	---	Other Retail Trade	14	1.1
Oil and Gas Extraction	---	---	Finance/Insur/RE		
Construction	106	8.3	Banking and Other Finance	---	---
Manufacturing			Insurance and Real Estate	6	0.4
Food & Kindred Prod	3	1.7	Services		
Textile Mill Prod	3	5.4	Business Services	7	0.7
Apparel & Other Textile Pr	---	---	Automobile and Repair Services	7	2.4
Paper & Allied Products	3	2.3	Private Household Services	---	---
Printing/Publishing/Allied	---	---	Pers Serv Exc Priv Household	---	---
Chemical/Petroleum/Rubber	13	2.6	Entertainment & Rec Services	---	---
Lumber & Wood	---	---	Hospitals	---	---
Furniture	---	---	Health Services, Exc Hosp	3	0.3
Stone/Clay/Concrete	---	---	Educational Services	6	0.4
Primary Metals	9	6.3	Other Professional Services	---	---
Fabricated Metals	6	1.2	Public Admin		
Mach, Ex Elect	6	0.8	Justice, Pub Order, & Safety	11	3.9
Elect Mach, Equip Supplies	5	0.9	Admin of Hum Res Programs	---	---
Motor Vehicles Equip	---	---	National Sec/Internal Affairs	---	---
Aircraft & Parts	3	0.4	Other Pub Admin	6	2.0
Other Transport Equip	---	---	Not Classified	32	---
Prof & Photo Equip/Watches	---	---			
Toys/Amusement/Sporting Goods	---	---			
Misc & NEC Industries	4	2.4			
Trans/Comm/PU					
Trucking/Warehousing/Storage	21	9.6			
Other Transportation	16	3.1			
Telephone Communications	---	---			
Other Communications	---	---			
Electric Light and Power	---	---			
Other Utility/Sanitary Service	7	5.1			
Wholesale Trade	8	1.1			

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for “unknown” or “not classified” categories.

††Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table CT-6.** Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Occupation Groupings, Connecticut, 1983-1995.

DETAILED OCCUPATION	NO. OF DEATHS	RATE
Exec/Adm/Mgr		
Officials & Administrators, Public Admin	---	---
Other Executive, Admin & Managerial	32	1.5
Management Related Occupations	---	---
Prof/Spec		
Engineers	4	0.7
Mathematical and Computer Scientists	---	---
Natural Scientists	4	4.2
Health Diagnosing Occupations	---	---
Health Assessment and Treatment Occupations	---	---
Teachers, College and University	---	---
Teachers, Except College and University	---	---
Lawyers and Judges	---	---
Other Professional Specialty Occupations	---	---
Tech/Support		
Health Technologists and Technicians	---	---
Engineering and Science Technicians	4	1.9
Technicians, Exc Health/Engineering/Science	4	1.3
Sales		
Supervisors and Proprietors, Sales Occupations	21	3.0
Sales Reps, Finance and Business Services	---	---
Sales Reps, Commodities, Except Retail	---	---
Sales Workers, Retail & Personal Services	---	---
Sales Related Occupations	---	---
Clerical		
Supervisors, Administrative Support	---	---
Computer Equipment Operators	---	---
Secretaries, Stenographers, and Typists	---	---
Financial Records Processing	---	---
Mail and Message Distribution	---	---
Other Admin. Support, Including Clerical	8	0.5

DETAILED OCCUPATION	NO. OF DEATHS	RATE
Service		
Private Household Service Occupations	---	---
Protective Service	17	5.1
Food Service	5	0.6
Health Service	---	---
Cleaning and Building Service	10	2.3
Personal Service	---	---
Farm/For/Fish		
Farm Operators and Managers	7	19.6
Farm Workers and Related Occupations	7	3.7
Forestry and Fishing Occupations	---	---
Crafts		
Mechanics and Repairers	13	1.8
Construction Trades	70	7.4
Other Precision Production, Craft, and Repair	16	1.7
Mach Operators		
Machine Operators/Tenders, Except Precision	21	2.1
Fabricators, Assemblers, Inspectors, Samplers	6	1.2
Transport		
Motor Vehicle Operators	38	6.9
Other Transport and Material Moving Occ	12	10.0
Laborers		
Construction Laborers	29	28.8
Freight, Stock, & Materials Handlers	3	1.0
Other Handlers, Equip. Cleaner, Helper, Laborer	12	4.8
Other or Not Classified	22	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for "unknown" or "not classified" categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

## State of Delaware

Traumatic Occupational Fatalities (1980-1995):

Number: 203

Rate: 4.0 per 100,000 workers

Leading Causes of Death (1980-1995):

Motor Vehicle - 56

Fall - 28

Industries with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Construction - 29

Rate: Transportation/Communications/Public Utilities - 10.6 per 100,000 workers

Occupations with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Precision Production/Craft/Repair - 38

Rate: Transportation/Material Movers - 14.2 per 100,000 workers

*Table DE-1. Number and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Year, Delaware, 1980-1995.*

YEAR OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
1980	27	10.3
1981	11	4.1
1982	13	4.8
1983	5	1.8
1984	24	8.3
1985	16	5.4
1986	19	6.2
1987	10	3.1
1988	3	0.9
1989	16	4.6
1990	11	3.2
1991	12	3.6
1992	6	1.7
1993	12	3.4
1994	10	2.8
1995	8	2.2
<b>Total</b>	<b>203</b>	<b>4.0</b>

*Table DE-2. Number\*† and Rate‡ (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Sex, Race, and Age Group, Delaware, 1980-1995.*

DEMOGRAPHICS	Total		YEAR OF DEATH					
			1980-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Sex								
Male	187	6.8	89	9.7	55	6.3	43	4.6
Female	16	0.7	7	0.9	4	0.5	5	0.6
Race								
White	171	4.1	82	5.7	49	3.5	40	2.8
Black	25	3.2	12	5.4	8	3.2	5	1.6
Other	6	6.6	---	---	---	---	3	6.3
Age Group								
16-17	---	---	---	---	---	---	---	---
18-19	5	2.8	5	7.3	---	---	---	---
20-24	22	3.4	14	5.7	3	1.4	5	2.7
25-34	38	2.6	16	3.6	13	2.6	9	1.8
35-44	41	3.4	18	5.2	14	3.5	9	1.9
45-54	42	4.9	23	8.2	13	5.2	6	1.8
55-64	32	6.4	12	6.1	8	5.2	12	8.2
65+	21	18.7	6	17.1	8	22.0	7	17.1

\*Numbers not reported for cells with less than 3 deaths.

†Numbers not reported for "unknown" categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table DE-3.** *Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Cause of Death, Delaware, 1980-1995.*

CAUSE OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
Motor Vehicle	56	1.1
Fall	28	0.6
Homicide	22	0.4
Electrocution	16	0.3
Machine	16	0.3
Suicide	16	0.3
Struck by Falling Object	11	0.2
Nature/Environment	7	0.1
Air Transport	6	0.1
Fire	6	0.1
Flying Object/Caught In	6	0.1
Drowning	3	0.1
Poisoning	3	0.1
Explosion	---	---
Suffocation	---	---
Rail Transport	---	---
Water Transport	---	---
Other	3	0.1
Unknown/Undetermined	---	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for “unknown” or “not classified” categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table DE-4.** Number<sup>\*†</sup> and Rate<sup>†‡§</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Industry and Occupation Division, Delaware, 1983-1995.

INDUSTRY/ OCCUPATION DIVISION	Total		YEAR OF DEATH					
			1983-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Industry Division								
Ag/For/Fish	7	8.5	---	---	3	10.0	4	11.1
Mining	---	---	---	---	---	---	---	---
Construction	29	9.2	7	10.6	14	11.1	8	6.5
Manufacturing	27	3.1	6	3.0	9	2.6	12	3.6
Trans/Comm/PU	25	10.6	6	11.8	10	11.2	9	9.4
Wholesale Trade	---	---	---	---	---	---	---	---
Retail Trade	9	1.2	---	---	5	1.8	4	1.4
Finance/Insur/RE	5	1.3	---	---	---	---	3	1.7
Services	26	2.0	11	4.3	9	1.8	6	1.0
Public Admin	---	---	---	---	---	---	---	---
Not Classified	21	---	14	---	---	---	---	---
Occupation Division								
Exec/Adm/Mgr	11	2.0	---	---	5	2.4	---	---
Prof/Spec	6	1.1	3	2.7	---	---	---	---
Tech/Support	8	5.0	---	---	---	---	3	4.8
Sales	9	1.8	---	---	4	2.0	5	2.5
Clerical	8	1.1	---	---	---	---	3	1.0
Service	10	1.7	---	---	5	2.3	---	---
Farm/For/Fish	8	9.4	---	---	4	13.4	---	---
Crafts	38	7.6	13	11.6	14	7.1	11	5.9
Mach Operators	10	4.0	---	---	---	---	6	6.3
Transport	25	14.2	7	22.1	13	19.9	5	6.3
Laborers	14	8.5	5	14.2	5	7.4	4	6.6
Not Classified	5	---	---	---	---	---	---	---

\*Numbers not reported for cells with less than 3 deaths.

†Numbers and rates not reported for some cells with 3 or more deaths to meet confidentiality requirements.

‡Rates not calculated for "unknown" or "not classified" categories.

§Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table DE-5. Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Industry Groupings, Delaware, 1983-1995.**

DETAILED INDUSTRY	NO. OF DEATHS	RATE	DETAILED INDUSTRY	NO. OF DEATHS	RATE
Ag/For/Fish			Retail Trade		
Ag Production	5	9.9	Food Stores	3	2.7
Ag Services	---	---	Motor Veh/Auto Supply Dealer	---	---
Forestry & Fisheries	---	---	Apparel & Accessory Stores	---	---
Mining			Eating & Drinking Places	---	---
Metal/Coal/Nonmetal Mining	---	---	Other Retail Trade	6	2.1
Oil and Gas Extraction	---	---	Finance/Insur/RE		
Construction	29	9.2	Banking and Other Finance	3	1.3
Manufacturing			Insurance and Real Estate	---	---
Food & Kindred Prod	---	---	Services		
Textile Mill Prod	4	18.6	Business Services	8	4.8
Apparel & Other Textile Pr	---	---	Automobile and Repair Services	9	14.8
Paper & Allied Products	---	---	Private Household Services	---	---
Printing/Publishing/Allied	---	---	Pers Serv Exc Priv Household	---	---
Chemical/Petroleum/Rubber	4	1.0	Entertainment & Rec Services	---	---
Lumber & Wood	---	---	Hospitals	---	---
Furniture	---	---	Health Services, Exc Hosp	3	2.0
Stone/Clay/Concrete	---	---	Educational Services	---	---
Primary Metals	---	---	Other Professional Services	3	1.2
Fabricated Metals	3	11.8	Public Admin		
Mach, Ex Elect	---	---	Justice, Pub Order, & Safety	---	---
Elect Mach, Equip Supplies	---	---	Admin of Hum Res Programs	---	---
Motor Vehicles Equip	3	4.1	National Sec/Internal Affairs	---	---
Aircraft & Parts	---	---	Other Pub Admin	---	---
Other Transport Equip	---	---	Not Classified	21	---
Prof & Photo Equip/Watches	---	---			
Toys/Amusement/Sporting Goods	---	---			
Misc & NEC Industries	3	---			
Trans/Comm/PU					
Trucking/Warehousing/Storage	11	16.1			
Other Transportation	9	9.2			
Telephone Communications	---	---			
Other Communications	---	---			
Electric Light and Power	---	---			
Other Utility/Sanitary Service	---	---			
Wholesale Trade	---	---			

\*Numbers not reported for cells with less than 3 deaths.

<sup>†</sup>Rates not calculated for "unknown" or "not classified" categories.

<sup>‡</sup>Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table DE-6.** Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Occupation Groupings, Delaware, 1983-1995.



DETAILED OCCUPATION	NO. OF DEATHS	RATE
Exec/Adm/Mgr		
Officials & Administrators, Public Admin	---	---
Other Executive, Admin & Managerial	10	2.7
Management Related Occupations	---	---
Prof/Spec		
Engineers	---	---
Mathematical and Computer Scientists	---	---
Natural Scientists	---	---
Health Diagnosing Occupations	3	12.6
Health Assessment and Treatment Occupations	---	---
Teachers, College and University	---	---
Teachers, Except College and University	---	---
Lawyers and Judges	---	---
Other Professional Specialty Occupations	---	---
Tech/Support		
Health Technologists and Technicians	---	---
Engineering and Science Technicians	3	4.0
Technicians, Exc Health/Engineering/Science	5	10.8
Sales		
Supervisors and Proprietors, Sales Occupations	5	3.5
Sales Reps, Finance and Business Services	---	---
Sales Reps, Commodities, Except Retail	---	---
Sales Workers, Retail & Personal Services	---	---
Sales Related Occupations	---	---
Clerical		
Supervisors, Administrative Support	---	---
Computer Equipment Operators	---	---
Secretaries, Stenographers, and Typists	---	---
Financial Records Processing	---	---
Mail and Message Distribution	---	---
Other Admin. Support, Including Clerical	4	1.1

DETAILED OCCUPATION	NO. OF DEATHS	RATE
Service		
Private Household Service Occupations	---	---
Protective Service	4	5.7
Food Service	---	---
Health Service	---	---
Cleaning and Building Service	5	4.1
Personal Service	---	---
Farm/For/Fish		
Farm Operators and Managers	3	10.7
Farm Workers and Related Occupations	4	7.2
Forestry and Fishing Occupations	---	---
Crafts		
Mechanics and Repairers	9	5.5
Construction Trades	22	10.3
Other Precision Production, Craft, and Repair	7	5.8
Mach Operators		
Machine Operators/Tenders, Except Precision	7	4.7
Fabricators, Assemblers, Inspectors, Samplers	3	2.9
Transport		
Motor Vehicle Operators	18	13.3
Other Transport and Material Moving Occ	7	17.0
Laborers		
Construction Laborers	9	33.8
Freight, Stock, & Materials Handlers	---	---
Other Handlers, Equip. Cleaner, Helper, Laborer	4	4.6
Other or Not Classified	5	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for "unknown" or "not classified" categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

## District of Columbia

Traumatic Occupational Fatalities (1980-1995):

Number: 296

Rate: 6.3 per 100,000 workers

Leading Causes of Death (1980-1995):

Homicide - 122

Fall - 52

Industry with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Construction - 50

Rate: Construction - 32.6 per 100,000 workers

Occupations with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Service - 52

Rate: Precision Production/Craft/Repair - 22.9 per 100,000 workers

**Table DC-1.** *Number and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Year, District of Columbia, 1980-1995.*

YEAR OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
1980	24	7.9
1981	16	5.8
1982	28	9.8
1983	21	7.2
1984	18	6.0
1985	19	6.5
1986	12	4.0
1987	23	7.2
1988	17	5.3
1989	11	3.6
1990	6	2.0
1991	13	4.5
1992	13	4.6
1993	26	9.2
1994	28	10.0
1995	21	8.0
<b>Total</b>	<b>296</b>	<b>6.3</b>

**Table DC-2.** Number\*† and Rate‡ (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Sex, Race, and Age Group, District of Columbia, 1980-1995.

DEMOGRAPHICS	Total		YEAR OF DEATH					
	No.	Rate	1980-85		1986-90		1991-95	
			No.	Rate	No.	Rate	No.	Rate
Sex								
Male	271	11.7	114	13.3	64	8.3	93	13.4
Female	25	1.1	12	1.4	5	0.6	8	1.1
Race								
White	135	7.7	59	9.9	38	6.7	38	6.4
Black	132	4.7	59	5.3	25	2.6	48	6.3
Other	28	23.4	8	23.8	6	15.7	14	29.2
Age Group								
16-17	---	---	---	---	---	---	---	---
18-19	11	11.7	4	9.9	3	8.3	4	---
20-24	34	6.3	16	7.4	13	6.9	5	3.7
25-34	74	4.9	32	5.6	13	2.6	29	6.7
35-44	68	5.8	25	6.2	13	3.3	30	7.9
45-54	46	6.2	20	7.8	12	5.1	14	5.5
55-64	39	8.6	19	10.1	10	7.0	10	8.1
65+	22	15.1	9	16.0	4	9.3	9	19.4

\*Numbers not reported for cells with less than 3 deaths.

†Numbers not reported for "unknown" categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table DC-3.** *Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Cause of Death, District of Columbia, 1980-1995.*

CAUSE OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
Homicide	122	2.6
Fall	52	1.1
Motor Vehicle	23	0.5
Electrocution	12	0.3
Fire	11	0.2
Suicide	11	0.2
Machine	7	0.1
Air Transport	6	0.1
Drowning	6	0.1
Explosion	6	0.1
Struck by Falling Object	5	0.1
Nature/Environment	4	0.1
Suffocation	---	---
Flying Object/Caught In	---	---
Poisoning	---	---
Rail Transport	---	---
Water Transport	---	---
Other	15	0.3
Unknown/Undetermined	12	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for “unknown” or “not classified” categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table DC-4.** Number<sup>\*†</sup> and Rate<sup>†‡§</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Industry and Occupation Division, District of Columbia, 1983-1995.

INDUSTRY/ OCCUPATION DIVISION	Total		YEAR OF DEATH					
			1983-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Industry Division								
Ag/For/Fish	5	---	---	---	---	---	---	---
Mining	---	---	---	---	---	---	---	---
Construction	50	32.6	9	26.7	29	37.9	12	27.9
Manufacturing	7	4.8	---	---	5	8.5	---	---
Trans/Comm/PU	33	12.5	6	9.3	9	8.5	18	19.4
Wholesale Trade	---	---	---	---	---	---	---	---
Retail Trade	43	10.6	12	12.4	7	4.4	24	16.0
Finance/Insur/RE	3	1.1	---	---	---	---	---	---
Services	36	2.0	9	2.3	9	1.3	18	2.7
Public Admin	29	3.8	8	4.3	3	1.0	18	6.8
Not Classified	22	---	11	---	5	---	6	---
Occupation Division								
Exec/Adm/Mgr	9	1.4	3	2.3	3	1.2	3	1.2
Prof/Spec	8	1.0	---	---	---	---	3	0.9
Tech/Support	---	---	---	---	---	---	---	---
Sales	33	13.6	11	19.4	5	5.2	17	19.1
Clerical	10	1.3	---	---	---	---	8	3.2
Service	52	7.2	13	7.2	8	2.8	31	12.3
Farm/For/Fish	5	21.2	---	---	---	---	---	---
Crafts	44	22.9	11	24.2	21	25.4	12	18.8
Mach Operators	3	5.9	---	---	---	---	---	---
Transport	26	19.1	5	13.6	9	15.2	12	30.0
Laborers	22	20.1	4	12.4	10	21.7	8	25.8
Not Classified	14	---	7	---	4	---	3	---

\*Numbers not reported for cells with less than 3 deaths.

†Numbers and rates not reported for some cells with 3 or more deaths to meet confidentiality requirements.

‡Rates not calculated for "unknown" or "not classified" categories.

§Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table DC-5.** Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Industry Groupings, District of Columbia, 1983-1995.

DETAILED INDUSTRY	NO. OF DEATHS	RATE	DETAILED INDUSTRY	NO. OF DEATHS	RATE
Ag/For/Fish			Retail Trade		
Ag Production	3	---	Food Stores	7	15.7
Ag Services	---	---	Motor Veh/Auto Supply Dealer	5	22.3
Forestry & Fisheries	---	---	Apparel & Accessory Stores	---	---
Mining			Eating & Drinking Places	10	5.7
Metal/Coal/Nonmetal Mining	---	---	Other Retail Trade	21	15.0
Oil and Gas Extraction	---	---	Finance/Insur/RE		
Construction	50	32.6	Banking and Other Finance	---	---
Manufacturing			Insurance and Real Estate	3	1.9
Food & Kindred Prod	---	---	Services		
Textile Mill Prod	---	---	Business Services	10	3.2
Apparel & Other Textile Pr	---	---	Automobile and Repair Services	4	13.5
Paper & Allied Products	---	---	Private Household Services	3	3.9
Printing/Publishing/Allied	---	---	Pers Serv Exc Priv Household	9	6.4
Chemical/Petroleum/Rubber	---	---	Entertainment & Rec Services	---	---
Lumber & Wood	---	---	Hospitals	3	1.9
Furniture	---	---	Health Services, Exc Hosp	---	---
Stone/Clay/Concrete	---	---	Educational Services	---	---
Primary Metals	---	---	Other Professional Services	3	0.5
Fabricated Metals	---	---	Public Admin		
Mach, Ex Elect	---	---	Justice, Pub Order, & Safety	16	13.5
Elect Mach, Equip Supplies	---	---	Admin of Hum Res Programs	---	---
Motor Vehicles Equip	---	---	National Sec/Internal Affairs	3	1.8
Aircraft & Parts	---	---	Other Pub Admin	10	2.6
Other Transport Equip	---	---	Not Classified	22	---
Prof & Photo Equip/Watches	---	---			
Toys/Amusement/Sporting Goods	---	---			
Misc & NEC Industries	---	---			
Trans/Comm/PU					
Trucking/Warehousing/Storage	9	24.6			
Other Transportation	18	13.8			
Telephone Communications	---	---			
Other Communications	---	---			
Electric Light and Power	---	---			
Other Utility/Sanitary Service	---	---			
Wholesale Trade	---	---			

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for “unknown” or “not classified” categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table DC-6.** Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Occupation Groupings, District of Columbia, 1983-1995.



DETAILED OCCUPATION	NO. OF DEATHS	RATE
Exec/Adm/Mgr		
Officials & Administrators, Public Admin	---	---
Other Executive, Admin & Managerial	7	2.2
Management Related Occupations	---	---
Prof/Spec		
Engineers	4	8.8
Mathematical and Computer Scientists	---	---
Natural Scientists	---	---
Health Diagnosing Occupations	---	---
Health Assessment and Treatment Occupations	---	---
Teachers, College and University	---	---
Teachers, Except College and University	---	---
Lawyers and Judges	---	---
Other Professional Specialty Occupations	---	---
Tech/Support		
Health Technologists and Technicians	---	---
Engineering and Science Technicians	---	---
Technicians, Exc Health/Engineering/Science	---	---
Sales		
Supervisors and Proprietors, Sales Occupations	18	39.4
Sales Reps, Finance and Business Services	---	---
Sales Reps, Commodities, Except Retail	---	---
Sales Workers, Retail & Personal Services	15	11.7
Sales Related Occupations	---	---
Clerical		
Supervisors, Administrative Support	3	8.9
Computer Equipment Operators	---	---
Secretaries, Stenographers, and Typists	---	---
Financial Records Processing	---	---
Mail and Message Distribution	4	6.2
Other Admin. Support, Including Clerical	---	---

DETAILED OCCUPATION	NO. OF DEATHS	RATE
Service		
Private Household Service Occupations	---	---
Protective Service	26	24.4
Food Service	8	4.0
Health Service	---	---
Cleaning and Building Service	13	6.4
Personal Service	3	4.4
Farm/For/Fish		
Farm Operators and Managers	---	---
Farm Workers and Related Occupations	3	13.5
Forestry and Fishing Occupations	---	---
Crafts		
Mechanics and Repairers	7	13.3
Construction Trades	30	30.9
Other Precision Production, Craft, and Repair	7	16.6
Mach Operators		
Machine Operators/Tenders, Except Precision	---	---
Fabricators, Assemblers, Inspectors, Samplers	---	---
Transport		
Motor Vehicle Operators	25	20.5
Other Transport and Material Moving Occ	---	---
Laborers		
Construction Laborers	14	44.9
Freight, Stock, & Materials Handlers	---	---
Other Handlers, Equip. Cleaner, Helper, Laborer	6	13.7
Other or Not Classified	14	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for "unknown" or "not classified" categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

## State of Florida

### Traumatic Occupational Fatalities (1980-1995):

Number: 5,596

Rate: 6.5 per 100,000 workers

### Leading Causes of Death (1980-1995):

Motor Vehicle - 1,364

Homicide - 1,143

### Industry with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Construction - 1,029

Rate: Construction - 17.3 per 100,000 workers

### Occupations with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Precision Production/Craft/Repair - 905

Rate: Transportation/Material Movers - 27.1 per 100,000 workers

**Table FL-1.** *Number and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Year, Florida, 1980-1995.*

YEAR OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
1980	354	9.4
1981	421	10.8
1982	341	7.8
1983	336	7.4
1984	361	7.5
1985	345	7.0
1986	346	6.6
1987	348	6.2
1988	372	6.4
1989	410	7.0
1990	370	6.1
1991	308	5.1
1992	292	4.8
1993	303	4.9
1994	324	5.1
1995	365	5.6
<b>Total</b>	<b>5,596</b>	<b>6.5</b>

*Table FL-2. Number\* and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Sex, Race, and Age Group, Florida, 1980-1995.*

DEMOGRAPHICS	Total		YEAR OF DEATH					
			1980-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Sex								
Male	5,125	10.9	1,983	13.5	1,684	10.9	1,458	8.7
Female	471	1.2	175	1.5	162	1.2	134	0.9
Race								
White	4,509	6.2	1,721	7.8	1,514	6.3	1,274	4.9
Black	1,000	8.2	409	10.3	299	7.6	292	6.8
Other	69	4.9	28	10.1	21	4.6	20	2.9
Age Group								
16-17	44	2.5	26	3.9	9	1.6	9	1.8
18-19	131	4.5	66	6.0	37	3.7	28	3.3
20-24	550	5.4	254	7.0	182	5.5	114	3.5
25-34	1,482	6.1	557	7.7	525	6.2	400	4.7
35-44	1,275	6.1	452	7.9	413	6.1	410	5.0
45-54	994	6.9	377	9.0	314	6.9	303	5.3
55-64	783	8.7	311	10.6	261	8.8	211	6.9
65+	333	11.6	112	12.4	105	11.4	116	11.2

\*Numbers not reported for "unknown" categories.

**Table FL-3.** *Number and Average Annual Rate\* (per 100,000 workers) of Traumatic Occupational Fatalities by Cause of Death, Florida, 1980-1995.*

CAUSE OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
Motor Vehicle	1,364	1.6
Homicide	1,143	1.3
Fall	584	0.7
Electrocution	465	0.5
Machine	458	0.5
Suicide	269	0.3
Struck by Falling Object	209	0.2
Air Transport	171	0.2
Nature/Environment	141	0.2
Drowning	139	0.2
Water Transport	129	0.1
Flying Object/Caught In	97	0.1
Explosion	81	0.1
Fire	56	0.1
Poisoning	48	0.1
Suffocation	41	< 0.1
Rail Transport	18	< 0.1
Other	163	0.2
Unknown/Undetermined	20	---

\*Rates not calculated for "unknown" or "not classified" categories.

**Table FL-4.** Number and Rate\* (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Industry and Occupation Division, Florida, 1983-1995.

INDUSTRY/ OCCUPATION DIVISION	Total		YEAR OF DEATH					
			1983-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Industry Division								
Ag/For/Fish	395	17.1	95	17.3	156	18.9	144	15.4
Mining	23	12.8	6	13.2	7	8.6	10	18.8
Construction	1,029	17.3	252	19.9	426	17.1	351	16.0
Manufacturing	415	5.3	107	6.5	171	5.3	137	4.7
Trans/Comm/PU	833	15.1	190	18.1	353	16.7	290	12.3
Wholesale Trade	121	3.8	25	4.1	47	3.9	49	3.7
Retail Trade	555	3.9	117	4.2	224	4.0	214	3.6
Finance/Insur/RE	92	1.6	15	1.3	47	2.1	30	1.3
Services	626	2.5	134	3.0	253	2.7	239	2.1
Public Admin	238	6.6	55	8.3	96	7.0	87	5.6
Not Classified	153	---	46	---	66	---	41	---
Occupation Division								
Exec/Adm/Mgr	383	4.0	83	5.1	158	4.2	142	3.4
Prof/Spec	201	2.2	45	2.8	82	2.4	74	1.8
Tech/Support	114	5.2	29	7.4	49	6.1	36	3.6
Sales	444	4.3	100	5.1	183	4.5	161	3.7
Clerical	115	1.0	18	0.8	62	1.3	35	0.7
Service	393	3.5	78	3.6	162	3.9	153	3.2
Farm/For/Fish	400	17.0	91	15.8	163	19.7	146	15.4
Crafts	905	10.3	196	10.5	387	10.9	322	9.5
Mach Operators	142	4.7	35	5.4	56	4.6	51	4.3
Transport	765	27.1	190	35.4	303	27.2	272	23.1
Laborers	500	17.0	147	24.1	193	16.6	160	13.7
Not Classified	118	---	30	---	48	---	40	---

\*Rates not calculated for "unknown" or "not classified" categories.

**Table FL-5.** Number\* and Average Annual Rate<sup>††</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Industry Groupings, Florida, 1983-1995.

DETAILED INDUSTRY	NO. OF DEATHS	RATE	DETAILED INDUSTRY	NO. OF DEATHS	RATE
Ag/For/Fish			Retail Trade		
Ag Production	204	19.1	Food Stores	152	6.2
Ag Services	121	11.7	Motor Veh/Auto Supply Dealer	88	5.8
Forestry & Fisheries	70	34.7	Apparel & Accessory Stores	13	1.9
Mining			Eating & Drinking Places	142	3.3
Metal/Coal/Nonmetal Mining	19	11.7	Other Retail Trade	160	3.0
Oil and Gas Extraction	4	---	Finance/Insur/RE		
Construction	1,029	17.3	Banking and Other Finance	24	1.0
Manufacturing			Insurance and Real Estate	68	2.0
Food & Kindred Prod	68	10.5	Services		
Textile Mill Prod	4	5.0	Business Services	141	4.2
Apparel & Other Textile Pr	6	1.2	Automobile and Repair Services	140	8.6
Paper & Allied Products	13	5.9	Private Household Services	13	1.6
Printing/Publishing/Allied	30	3.0	Pers Serv Exc Priv Household	78	2.7
Chemical/Petroleum/Rubber	34	6.2	Entertainment & Rec Services	72	4.4
Lumber & Wood	60	21.3	Hospitals	31	1.1
Furniture	10	3.1	Health Services, Exc Hosp	28	0.9
Stone/Clay/Concrete	28	10.2	Educational Services	49	1.0
Primary Metals	17	14.5	Other Professional Services	74	1.8
Fabricated Metals	23	5.2	Public Admin		
Mach, Ex Elect	28	4.1	Justice, Pub Order, & Safety	148	9.6
Elect Mach, Equip Supplies	11	1.2	Admin of Hum Res Programs	---	---
Motor Vehicles Equip	6	4.6	National Sec/Internal Affairs	14	3.0
Aircraft & Parts	9	4.0	Other Pub Admin	66	5.5
Other Transport Equip	37	5.1	Not Classified	161	---
Prof & Photo Equip/Watches	---	---			
Toys/Amusement/Sporting Goods	---	---			
Misc & NEC Industries	30	10.3			
Trans/Comm/PU					
Trucking/Warehousing/Storage	332	30.4			
Other Transportation	311	13.5			
Telephone Communications	25	3.1			
Other Communications	16	4.7			
Electric Light and Power	62	11.8			
Other Utility/Sanitary Service	87	18.7			
Wholesale Trade	121	3.8			

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for “unknown” or “not classified” categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table FL-6.** Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Occupation Groupings, Florida, 1983-1995.

DETAILED OCCUPATION	NO. OF DEATHS	RATE
Exec/Adm/Mgr		
Officials & Administrators, Public Admin	6	2.0
Other Executive, Admin & Managerial	340	4.9
Management Related Occupations	37	1.6
Prof/Spec		
Engineers	52	4.9
Mathematical and Computer Scientists	3	0.7
Natural Scientists	3	1.8
Health Diagnosing Occupations	9	1.6
Health Assessment and Treatment Occupations	18	1.2
Teachers, College and University	4	1.2
Teachers, Except College and University	25	1.1
Lawyers and Judges	12	2.6
Other Professional Specialty Occupations	75	3.6
Tech/Support		
Health Technologists and Technicians	9	1.0
Engineering and Science Technicians	29	4.5
Technicians, Exc Health/Engineering/Science	76	11.5
Sales		
Supervisors and Proprietors, Sales Occupations	229	8.1
Sales Reps, Finance and Business Services	46	2.3
Sales Reps, Commodities, Except Retail	37	3.7
Sales Workers, Retail & Personal Services	130	2.8
Sales Related Occupations	---	---
Clerical		
Supervisors, Administrative Support	---	---
Computer Equipment Operators	---	---
Secretaries, Stenographers, and Typists	19	0.7
Financial Records Processing	7	0.5
Mail and Message Distribution	32	5.6
Other Admin. Support, Including Clerical	54	0.9

DETAILED OCCUPATION	NO. OF DEATHS	RATE
Service		
Private Household Service Occupations	7	1.1
Protective Service	210	13.8
Food Service	65	1.6
Health Service	7	0.6
Cleaning and Building Service	85	4.0
Personal Service	19	1.2
Farm/For/Fish		
Farm Operators and Managers	37	14.1
Farm Workers and Related Occupations	271	14.3
Forestry and Fishing Occupations	92	47.4
Crafts		
Mechanics and Repairers	231	7.9
Construction Trades	572	14.4
Other Precision Production, Craft, and Repair	102	5.3
Mach Operators		
Machine Operators/Tenders, Except Precision	75	3.8
Fabricators, Assemblers, Inspectors, Samplers	67	6.2
Transport		
Motor Vehicle Operators	593	26.8
Other Transport and Material Moving Occ	172	28.2
Laborers		
Construction Laborers	275	47.8
Freight, Stock, & Materials Handlers	90	8.0
Other Handlers, Equip. Cleaner, Helper, Laborer	135	10.8
Other or Not Classified	118	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for "unknown" or "not classified" categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.



## State of Georgia

### Traumatic Occupational Fatalities (1980-1995):

Number: 3,253

Rate: 7.1 per 100,000 workers

### Leading Causes of Death (1980-1995):

Motor Vehicle - 880

Homicide - 569

### Industries with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Construction - 481

Rate: Agriculture/Forestry/Fisheries - 22.5 per 100,000 workers

### Occupations with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Transportation/Material Movers - 477

Rate: Farming/Forestry/Fishing - 27.3 per 100,000 workers

**Table GA-1.** *Number and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Year, Georgia, 1980-1995.*

YEAR OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
1980	291	12.7
1981	252	10.8
1982	229	9.3
1983	222	9.0
1984	274	10.5
1985	216	8.1
1986	221	7.9
1987	204	7.0
1988	97	3.2
1989	139	4.5
1990	205	6.6
1991	178	5.7
1992	172	5.5
1993	172	5.3
1994	192	5.7
1995	189	5.5
<b>Total</b>	<b>3,253</b>	<b>7.1</b>

**Table GA-2.** *Number\* and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Sex, Race, and Age Group, Georgia, 1980-1995.*

DEMOGRAPHICS	Total		YEAR OF DEATH					
			1980-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Sex								
Male	2,994	12.0	1,397	17.0	794	9.9	803	9.3
Female	259	1.2	87	1.3	72	1.1	100	1.3
Race								
White	2,348	7.0	1,087	9.4	611	5.7	650	5.7
Black	853	7.1	391	12.2	237	5.7	225	4.8
Other	40	7.3	5	4.5	14	9.6	21	7.1
Age Group								
16-17	36	3.9	19	5.4	8	2.5	9	3.5
18-19	100	6.2	52	8.4	32	6.0	16	3.6
20-24	323	6.0	173	8.7	80	4.6	70	4.3
25-34	814	6.1	380	8.8	219	4.9	215	4.7
35-44	681	5.9	269	8.0	198	5.4	214	4.7
45-54	614	8.0	280	12.2	151	6.4	183	6.1
55-64	456	10.4	205	13.6	127	8.9	124	8.6
65+	228	18.5	105	25.6	51	12.0	72	18.1

\*Numbers not reported for "unknown" categories.

**Table GA-3.** *Number and Average Annual Rate\* (per 100,000 workers) of Traumatic Occupational Fatalities by Cause of Death, Georgia, 1980-1995.*

CAUSE OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
Motor Vehicle	880	1.9
Homicide	569	1.2
Machine	323	0.7
Fall	294	0.6
Struck by Falling Object	250	0.5
Electrocution	198	0.4
Suicide	119	0.3
Air Transport	93	0.2
Flying Object/Caught In	73	0.2
Explosion	66	0.1
Suffocation	59	0.1
Nature/Environment	58	0.1
Fire	45	0.1
Drowning	44	0.1
Poisoning	38	0.1
Rail Transport	18	< 0.1
Water Transport	13	< 0.1
Other	96	0.2
Unknown/Undetermined	17	---

\*Rates not calculated for "unknown" or "not classified" categories.

**Table GA-4.** Number and Rate\*† (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Industry and Occupation Division, Georgia, 1983-1995.

INDUSTRY/ OCCUPATION DIVISION	Total		YEAR OF DEATH					
			1983-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Industry Division								
Ag/For/Fish	200	22.5	74	39.9	54	16.9	72	18.7
Mining	12	15.7	4	---	5	23.7	3	7.3
Construction	481	18.1	135	23.5	184	17.2	162	16.0
Manufacturing	451	5.9	150	9.1	145	4.8	156	5.2
Trans/Comm/PU	388	11.5	121	18.9	143	11.1	124	8.7
Wholesale Trade	88	5.0	25	6.4	33	5.1	30	4.2
Retail Trade	332	5.3	65	5.1	115	4.7	152	5.9
Finance/Insur/RE	43	1.8	9	2.0	12	1.3	22	2.2
Services	265	2.2	71	3.2	95	2.2	99	1.9
Public Admin	153	7.8	36	9.7	56	7.3	61	7.5
Not Classified	68	---	22	---	24	---	22	---
Occupation Division								
Exec/Adm/Mgr	172	3.6	35	4.1	71	3.8	66	3.2
Prof/Spec	102	2.2	24	2.9	33	2.0	45	2.1
Tech/Support	52	4.5	21	10.3	14	3.3	17	3.2
Sales	249	5.3	50	5.5	82	4.6	117	5.8
Clerical	65	1.1	15	1.3	19	0.8	31	1.3
Service	201	4.0	53	5.3	70	3.7	78	3.7
Farm/For/Fish	258	27.3	93	45.1	82	24.8	83	20.3
Crafts	451	9.5	115	11.5	165	8.7	171	9.1
Mach Operators	145	4.5	47	6.0	49	3.9	49	4.0
Transport	477	26.5	158	40.7	175	25.5	144	19.9
Laborers	254	13.8	78	19.2	89	12.5	87	12.1
Not Classified	55	---	23	---	17	---	15	---

\*Rates not calculated for "unknown" or "not classified" categories.

†Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table GA-5.** Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Industry Groupings, Georgia, 1983-1995.

DETAILED INDUSTRY	NO. OF DEATHS	RATE	DETAILED INDUSTRY	NO. OF DEATHS	RATE
Ag/For/Fish			Retail Trade		
Ag Production	143	24.6	Food Stores	108	10.8
Ag Services	43	15.7	Motor Veh/Auto Supply Dealer	60	9.1
Forestry & Fisheries	14	39.8	Apparel & Accessory Stores	4	1.4
Mining			Eating & Drinking Places	58	3.2
Metal/Coal/Nonmetal Mining	11	16.4	Other Retail Trade	102	4.0
Oil and Gas Extraction	---	---	Finance/Insur/RE		
Construction	481	18.1	Banking and Other Finance	9	0.9
Manufacturing			Insurance and Real Estate	34	2.4
Food & Kindred Prod	58	5.8	Services		
Textile Mill Prod	29	2.5	Business Services	45	3.0
Apparel & Other Textile Pr	6	0.7	Automobile and Repair Services	70	11.2
Paper & Allied Products	24	5.9	Private Household Services	8	1.8
Printing/Publishing/Allied	12	2.2	Pers Serv Exc Priv Household	38	3.4
Chemical/Petroleum/Rubber	32	5.7	Entertainment & Rec Services	14	3.8
Lumber & Wood	158	35.0	Hospitals	11	0.7
Furniture	5	4.2	Health Services, Exc Hosp	15	1.1
Stone/Clay/Concrete	28	11.9	Educational Services	30	1.1
Primary Metals	17	8.2	Other Professional Services	34	1.7
Fabricated Metals	13	4.5	Public Admin		
Mach, Ex Elect	22	4.5	Justice, Pub Order, & Safety	89	13.9
Elect Mach, Equip Supplies	4	1.0	Admin of Hum Res Programs	---	---
Motor Vehicles Equip	12	5.1	National Sec/Internal Affairs	22	5.9
Aircraft & Parts	11	3.7	Other Pub Admin	42	6.1
Other Transport Equip	4	5.2	Not Classified	68	---
Prof & Photo Equip/Watches	---	---			
Toys/Amusement/Sporting Goods	---	---			
Misc & NEC Industries	14	9.7			
Trans/Comm/PU					
Trucking/Warehousing/Storage	191	26.3			
Other Transportation	112	9.0			
Telephone Communications	8	1.3			
Other Communications	7	4.1			
Electric Light and Power	31	10.0			
Other Utility/Sanitary Service	39	14.2			
Wholesale Trade	88	5.0			

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for “unknown” or “not classified” categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table GA-6.** Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Occupation Groupings, Georgia, 1983-1995.

DETAILED OCCUPATION	NO. OF DEATHS	RATE
Exec/Adm/Mgr		
Officials & Administrators, Public Admin	8	4.3
Other Executive, Admin & Managerial Management Related Occupations	150	4.5
14	1.1	
Prof/Spec		
Engineers	27	5.3
Mathematical and Computer Scientists	3	1.0
Natural Scientists	5	5.3
Health Diagnosing Occupations	3	1.3
Health Assessment and Treatment Occupations	12	1.7
Teachers, College and University	---	---
Teachers, Except College and University	14	1.0
Lawyers and Judges	8	3.6
Other Professional Specialty Occupations	28	2.7
Tech/Support		
Health Technologists and Technicians	6	1.3
Engineering and Science Technicians	15	4.6
Technicians, Exc Health/Engineering/Science	31	8.4
Sales		
Supervisors and Proprietors, Sales Occupations	142	10.5
Sales Reps, Finance and Business Services	19	2.5
Sales Reps, Commodities, Except Retail	17	3.0
Sales Workers, Retail & Personal Services	71	3.6
Sales Related Occupations	---	---
Clerical		
Supervisors, Administrative Support	7	2.4
Computer Equipment Operators	---	---
Secretaries, Stenographers, and Typists	10	0.7
Financial Records Processing	4	0.6
Mail and Message Distribution	9	2.9
Other Admin. Support, Including Clerical	34	1.1

DETAILED OCCUPATION	NO. OF DEATHS	RATE
Service		
Private Household Service Occupations	4	1.1
Protective Service	118	19.4
Food Service	24	1.5
Health Service	4	0.6
Cleaning and Building Service	43	4.2
Personal Service	8	1.0
Farm/For/Fish		
Farm Operators and Managers	102	37.0
Farm Workers and Related Occupations	72	11.8
Forestry and Fishing Occupations	84	137.4
Crafts		
Mechanics and Repairers	118	6.8
Construction Trades	272	14.8
Other Precision Production, Craft, and Repair	61	5.1
Mach Operators		
Machine Operators/Tenders, Except Precision	102	4.3
Fabricators, Assemblers, Inspectors, Samplers	43	4.8
Transport		
Motor Vehicle Operators	388	29.5
Other Transport and Material Moving Occ	89	18.3
Laborers		
Construction Laborers	116	48.8
Freight, Stock, & Materials Handlers	47	6.7
Other Handlers, Equip. Cleaner, Helper, Laborer	91	10.1
Other or Not Classified	55	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for "unknown" or "not classified" categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

## State of Hawaii

### Traumatic Occupational Fatalities (1980-1995):

Number: 348

Rate: 4.4 per 100,000 workers

### Leading Causes of Death (1980-1995):

Motor Vehicle - 50

Fall - 46

### Industries with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Construction - 63

Rate: Agriculture/Forestry/Fisheries - 22.0 per 100,000 workers

### Occupations with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Precision Production/Craft/Repair - 62

Rate: Transportation/Material Movers - 18.9 per 100,000 workers

**Table HI-1.** *Number and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Year, Hawaii, 1980-1995.*

YEAR OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
1980	31	7.0
1981	35	7.7
1982	17	4.0
1983	24	5.5
1984	15	3.4
1985	18	4.0
1986	16	3.4
1987	20	4.1
1988	27	5.4
1989	27	5.3
1990	22	4.1
1991	28	5.0
1992	21	3.8
1993	18	3.2
1994	14	2.5
1995	15	2.7
<b>Total</b>	<b>348</b>	<b>4.4</b>

**Table HI-2.** Number<sup>\*\*†</sup> and Rate<sup>‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Sex, Race, and Age Group, Hawaii, 1980-1995.

DEMOGRAPHICS	Total		YEAR OF DEATH					
			1980-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Sex								
Male	326	7.8	132	9.3	105	8.0	89	6.2
Female	22	0.6	8	0.6	7	0.6	7	0.5
Race								
White	122	5.0	36	4.8	41	5.5	45	4.8
Black	4	4.4	---	---	---	---	---	---
Other	218	4.0	101	5.3	68	3.9	49	2.7
Age Group								
16-17	---	---	---	---	---	---	---	---
18-19	6	2.4	---	---	---	---	---	---
20-24	26	3.1	15	4.6	8	3.2	3	1.1
25-34	102	4.7	41	5.2	38	5.8	23	3.2
35-44	85	4.2	29	4.8	23	3.5	33	4.3
45-54	56	4.0	21	4.8	17	4.0	18	3.3
55-64	57	6.4	25	8.3	20	6.4	12	4.4
65+	16	6.1	7	10.1	4	4.4	5	4.9

\*Numbers not reported for cells with less than 3 deaths.

†Numbers not reported for “unknown” categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table HI-3.** *Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Cause of Death, Hawaii, 1980-1995.*

CAUSE OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
Motor Vehicle	50	0.6
Fall	46	0.6
Homicide	45	0.6
Machine	31	0.4
Electrocution	30	0.4
Water Transport	25	0.3
Air Transport	24	0.3
Suicide	17	0.2
Drowning	14	0.2
Nature/Environment	10	0.1
Flying Object/Caught In	9	0.1
Struck by Falling Object	8	0.1
Poisoning	7	0.1
Fire	5	0.1
Explosion	3	< 0.1
Suffocation	3	< 0.1
Rail Transport	---	---
Other	18	0.2
Unknown/Undetermined	3	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for “unknown” or “not classified” categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table HI-4.** Number<sup>\*†</sup> and Rate<sup>‡§</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Industry and Occupation Division, Hawaii, 1983-1995.

INDUSTRY/ OCCUPATION DIVISION	Total		YEAR OF DEATH					
			1983-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Industry Division								
Ag/For/Fish	48	22.0	12	26.7	22	25.8	14	15.9
Mining	---	---	---	---	---	---	---	---
Construction	63	13.4	10	13.6	28	16.6	25	11.0
Manufacturing	17	4.4	---	---	11	7.1	---	---
Trans/Comm/PU	46	7.7	11	8.9	19	8.0	16	6.7
Wholesale Trade	8	3.2	---	---	---	---	5	5.0
Retail Trade	15	1.2	3	1.1	7	1.4	5	1.0
Finance/Insur/RE	4	0.8	---	---	---	---	---	---
Services	32	1.4	8	1.8	11	1.3	13	1.3
Public Admin	30	5.2	5	4.4	11	5.2	14	5.6
Not Classified	---	---	---	---	---	---	---	---
Occupation Division								
Exec/Adm/Mgr	24	2.7	4	2.7	11	3.3	9	2.3
Prof/Spec	21	2.4	3	1.8	6	1.8	12	3.2
Tech/Support	14	7.3	---	---	7	10.3	---	---
Sales	8	0.9	---	---	---	---	5	1.4
Clerical	5	0.5	---	---	---	---	3	0.7
Service	23	2.0	8	3.2	8	1.8	7	1.5
Farm/For/Fish	27	10.9	8	16.0	12	12.4	7	6.9
Crafts	62	9.1	11	7.4	24	9.7	27	9.5
Mach Operators	12	7.4	---	---	6	9.4	---	---
Transport	44	18.9	11	25.1	23	25.0	10	10.3
Laborers	23	9.3	4	8.2	11	11.6	8	7.7
Not Classified	---	---	---	---	---	---	---	---

\*Numbers not reported for cells with less than 3 deaths.

†Numbers and rates not reported for some cells with 3 or more deaths to meet confidentiality requirements.

‡Rates not calculated for "unknown" or "not classified" categories.

§Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table HI-5.** Number\* and Average Annual Rate\*\* (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Industry Groupings, Hawaii, 1983-1995.

DETAILED INDUSTRY	NO. OF DEATHS	RATE	DETAILED INDUSTRY	NO. OF DEATHS	RATE
Ag/For/Fish			Retail Trade		
Ag Production	17	10.8	Food Stores	---	---
Ag Services	6	13.4	Motor Veh/Auto Supply Dealer	3	2.9
Forestry & Fisheries	25	---	Apparel & Accessory Stores	---	---
Mining			Eating & Drinking Places	6	1.4
Metal/Coal/Nonmetal Mining	---	---	Other Retail Trade	5	1.1
Oil and Gas Extraction	---	---	Finance/Insur/RE		
Construction	63	13.4	Banking and Other Finance	---	---
Manufacturing			Insurance and Real Estate	3	1.0
Food & Kindred Prod	8	7.7	Services		
Textile Mill Prod	---	---	Business Services	---	---
Apparel & Other Textile Pr	---	---	Automobile and Repair Services	8	6.8
Paper & Allied Products	---	---	Private Household Services	---	---
Printing/Publishing/Allied	---	---	Pers Serv Exc Priv Household	9	1.9
Chemical/Petroleum/Rubber	---	---	Entertainment & Rec Services	3	2.0
Lumber & Wood	---	---	Hospitals	---	---
Furniture	---	---	Health Services, Exc Hosp	---	---
Stone/Clay/Concrete	---	---	Educational Services	---	---
Primary Metals	---	---	Other Professional Services	6	1.5
Fabricated Metals	---	---	Public Admin		
Mach, Ex Elect	---	---	Justice, Pub Order, & Safety	10	8.1
Elect Mach, Equip Supplies	---	---	Admin of Hum Res Programs	---	---
Motor Vehicles Equip	---	---	National Sec/Internal Affairs	---	---
Aircraft & Parts	---	---	Other Pub Admin	17	9.5
Other Transport Equip	---	---	Not Classified	3	---
Prof & Photo Equip/Watches	---	---			
Toys/Amusement/Sporting Goods	---	---			
Misc & NEC Industries	3	---			
Trans/Comm/PU					
Trucking/Warehousing/Storage	4	6.2			
Other Transportation	36	10.0			
Telephone Communications	---	---			
Other Communications	---	---			
Electric Light and Power	---	---			
Other Utility/Sanitary Service	---	---			
Wholesale Trade	8	3.2			

\*Numbers not reported for cells with less than 3 deaths.

\*\*Rates not calculated for "unknown" or "not classified" categories.

†Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table HI-6.** Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Occupation Groupings, Hawaii, 1983-1995.

DETAILED OCCUPATION	NO. OF DEATHS	RATE
Exec/Adm/Mgr		
Officials & Administrators, Public Admin	---	---
Other Executive, Admin & Managerial	22	3.7
Management Related Occupations	---	---
Prof/Spec		
Engineers	13	12.8
Mathematical and Computer Scientists	---	---
Natural Scientists	---	---
Health Diagnosing Occupations	---	---
Health Assessment and Treatment Occupations	---	---
Teachers, College and University	---	---
Teachers, Except College and University	---	---
Lawyers and Judges	---	---
Other Professional Specialty Occupations	4	1.7
Tech/Support		
Health Technologists and Technicians	---	---
Engineering and Science Technicians	4	6.3
Technicians, Exc Health/Engineering/Science	10	14.7
Sales		
Supervisors and Proprietors, Sales Occupations	---	---
Sales Reps, Finance and Business Services	---	---
Sales Reps, Commodities, Except Retail	---	---
Sales Workers, Retail & Personal Services	6	1.5
Sales Related Occupations	---	---
Clerical		
Supervisors, Administrative Support	---	---
Computer Equipment Operators	---	---
Secretaries, Stenographers, and Typists	---	---
Financial Records Processing	---	---
Mail and Message Distribution	---	---
Other Admin. Support, Including Clerical	---	---

DETAILED OCCUPATION	NO. OF DEATHS	RATE
Service		
Private Household Service Occupations	---	---
Protective Service	12	8.6
Food Service	3	0.6
Health Service	---	---
Cleaning and Building Service	7	2.6
Personal Service	---	---
Farm/For/Fish		
Farm Operators and Managers	3	6.5
Farm Workers and Related Occupations	8	4.3
Forestry and Fishing Occupations	16	---
Crafts		
Mechanics and Repairers	19	8.4
Construction Trades	38	11.8
Other Precision Production, Craft, and Repair	5	3.8
Mach Operators		
Machine Operators/Tenders, Except Precision	7	6.3
Fabricators, Assemblers, Inspectors, Samplers	5	9.8
Transport		
Motor Vehicle Operators	23	12.5
Other Transport and Material Moving Occ	21	43.5
Laborers		
Construction Laborers	9	23.5
Freight, Stock, & Materials Handlers	---	---
Other Handlers, Equip. Cleaner, Helper, Laborer	13	11.4
Other or Not Classified	---	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for "unknown" or "not classified" categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.



## State of Idaho

### Traumatic Occupational Fatalities (1980-1995):

Number: 784

Rate: 10.7 per 100,000 workers

### Leading Causes of Death (1980-1995):

Motor Vehicle - 266

Machine - 136

### Industries with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Agriculture/Forestry/Fisheries - 151

Rate: Mining - 43.4 per 100,000 workers

### Occupations with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Farming/Forestry/Fishing - 172

Rate: Transportation/Material Movers - 38.4 per 100,000 workers

**Table ID-1.** *Number and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Year, Idaho, 1980-1995.*

YEAR OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
1980	65	16.3
1981	62	15.4
1982	45	11.2
1983	41	10.0
1984	55	12.9
1985	50	11.4
1986	61	14.0
1987	41	9.6
1988	47	10.5
1989	50	11.0
1990	40	8.7
1991	46	9.6
1992	44	8.8
1993	38	7.4
1994	51	9.2
1995	48	8.4
<b>Total</b>	<b>784</b>	<b>10.7</b>

**Table ID-2.** Number<sup>\*†‡</sup> and Rate<sup>§</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Sex, Race, and Age Group, Idaho, 1980-1995.

DEMOGRAPHICS	Total		YEAR OF DEATH					
	No.	Rate	1980-85		1986-90		1991-95	
			No.	Rate	No.	Rate	No.	Rate
Sex								
Male	738	17.8	306	21.4	218	17.3	214	14.7
Female	46	1.5	12	1.1	21	2.2	13	1.1
Race								
White	755	10.5	313	12.9	228	10.5	214	8.4
Black	3	---	---	---	---	---	---	---
Other	17	12.6	5	12.6	6	14.7	6	11.1
Age Group								
16-17	12	4.9	---	---	---	---	5	6.1
18-19	22	7.3	8	7.1	8	9.4	6	5.8
20-24	83	9.9	37	11.4	24	10.2	22	7.9
25-34	208	10.2	93	12.7	66	10.4	49	7.4
35-44	156	8.7	58	10.8	45	7.9	53	7.6
45-54	133	11.3	52	14.3	36	10.5	45	9.5
55-64	99	14.0	40	16.7	34	15.1	25	10.3
65+	70	32.0	24	30.2	24	37.6	22	29.3

\*Numbers not reported for cells with less than 3 deaths.

†Numbers not reported for “unknown” categories.

‡Numbers and rates not reported for some cells with 3 or more deaths to meet confidentiality requirements.

§Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table ID-3.** *Number\* and Average Annual Rate† (per 100,000 workers) of Traumatic Occupational Fatalities by Cause of Death, Idaho, 1980-1995.*

CAUSE OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
Motor Vehicle	266	3.6
Machine	136	1.9
Air Transport	73	1.0
Struck by Falling Object	62	0.8
Fall	34	0.5
Electrocution	30	0.4
Homicide	29	0.4
Flying Object/Caught In	28	0.4
Nature/Environment	22	0.3
Suffocation	21	0.3
Drowning	18	0.2
Suicide	13	0.2
Explosion	9	0.1
Fire	9	0.1
Rail Transport	8	0.1
Water Transport	4	0.1
Poisoning	3	< 0.1
Other	17	0.2
Unknown/Undetermined	---	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for "unknown" or "not classified" categories.

**Table ID-4.** Number<sup>\*†</sup> and Rate<sup>†‡§</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Industry and Occupation Division, Idaho, 1983-1995.

INDUSTRY/ OCCUPATION DIVISION	Total		YEAR OF DEATH					
			1983-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Industry Division								
Ag/For/Fish	151	28.4	37	28.9	59	28.6	55	27.7
Mining	15	43.4	4	---	7	---	4	---
Construction	65	15.0	9	10.7	27	18.8	29	14.1
Manufacturing	115	12.7	30	17.5	46	13.7	39	9.7
Trans/Comm/PU	116	30.5	36	41.7	44	31.0	36	23.6
Wholesale Trade	20	8.6	6	13.0	7	7.5	7	7.4
Retail Trade	32	2.9	4	1.7	14	3.4	14	3.0
Finance/Insur/RE	10	3.2	---	---	---	---	5	3.9
Services	42	2.3	9	2.4	16	2.4	17	2.1
Public Admin	17	5.6	3	4.4	7	6.7	7	5.4
Not Classified	29	---	6	---	9	---	14	---
Occupation Division								
Exec/Adm/Mgr	31	5.0	6	4.8	15	7.1	10	3.6
Prof/Spec	29	3.9	10	6.8	9	3.6	10	2.9
Tech/Support	32	18.3	7	19.7	12	19.2	13	16.9
Sales	29	4.2	5	3.5	12	4.6	12	4.1
Clerical	11	1.3	---	---	5	1.6	---	---
Service	26	3.0	4	2.2	13	4.2	9	2.5
Farm/For/Fish	172	35.5	47	40.5	73	39.0	52	28.7
Crafts	85	11.4	20	13.7	30	11.3	35	10.6
Mach Operators	22	6.0	5	7.3	7	4.8	10	6.5
Transport	120	38.4	32	48.6	43	36.3	45	35.0
Laborers	34	12.7	8	15.5	12	11.7	14	12.3
Not Classified	21	---	---	---	8	---	13	---

\*Numbers not reported for cells with less than 3 deaths.

†Numbers and rates not reported for some cells with 3 or more deaths to meet confidentiality requirements.

‡Rates not calculated for "unknown" or "not classified" categories.

§Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table ID-5.** Number\* and Average Annual Rate\*\* (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Industry Groupings, Idaho, 1983-1995.

DETAILED INDUSTRY	NO. OF DEATHS	RATE	DETAILED INDUSTRY	NO. OF DEATHS	RATE
Ag/For/Fish			Retail Trade		
Ag Production	127	30.0	Food Stores	5	2.6
Ag Services	12	23.9	Motor Veh/Auto Supply Dealer	4	2.9
Forestry & Fisheries	12	20.2	Apparel & Accessory Stores	---	---
Mining			Eating & Drinking Places	6	1.7
Metal/Coal/Nonmetal Mining	15	45.3	Other Retail Trade	16	4.1
Oil and Gas Extraction	---	---	Finance/Insur/RE		
Construction	65	15.0	Banking and Other Finance	4	3.0
Manufacturing			Insurance and Real Estate	6	3.5
Food & Kindred Prod	13	5.0	Services		
Textile Mill Prod	---	---	Business Services	4	2.1
Apparel & Other Textile Pr	---	---	Automobile and Repair Services	16	12.9
Paper & Allied Products	---	---	Private Household Services	---	---
Printing/Publishing/Allied	3	4.4	Pers Serv Exc Priv Household	3	1.5
Chemical/Petroleum/Rubber	4	7.4	Entertainment & Rec Services	7	9.9
Lumber & Wood	76	39.8	Hospitals	---	---
Furniture	---	---	Health Services, Exc Hosp	---	---
Stone/Clay/Concrete	---	---	Educational Services	5	1.0
Primary Metals	---	---	Other Professional Services	5	1.5
Fabricated Metals	---	---	Public Admin		
Mach, Ex Elect	5	5.2	Justice, Pub Order, & Safety	12	15.6
Elect Mach, Equip Supplies	3	3.7	Admin of Hum Res Programs	---	---
Motor Vehicles Equip	---	---	National Sec/Internal Affairs	---	---
Aircraft & Parts	---	---	Other Pub Admin	3	1.8
Other Transport Equip	---	---	Not Classified	30	---
Prof & Photo Equip/Watches	---	---			
Toys/Amusement/Sporting Goods	---	---			
Misc & NEC Industries	3	---			
Trans/Comm/PU					
Trucking/Warehousing/Storage	69	52.8			
Other Transportation	34	31.2			
Telephone Communications	---	---			
Other Communications	3	13.9			
Electric Light and Power	5	12.8			
Other Utility/Sanitary Service	4	9.0			
Wholesale Trade	20	8.6			

\*Numbers not reported for cells with less than 3 deaths.

\*\*Rates not calculated for "unknown" or "not classified" categories.

†Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table ID-6.** Number\* and Average Annual Rate†‡ (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Occupation Groupings, Idaho, 1983-1995.

DETAILED OCCUPATION	NO. OF DEATHS	RATE
Exec/Adm/Mgr		
Officials & Administrators, Public Admin	---	---
Other Executive, Admin & Managerial	25	5.9
Management Related Occupations	5	3.4
Prof/Spec		
Engineers	6	7.3
Mathematical and Computer Scientists	---	---
Natural Scientists	5	12.1
Health Diagnosing Occupations	---	---
Health Assessment and Treatment Occupations	---	---
Teachers, College and University	---	---
Teachers, Except College and University	6	2.8
Lawyers and Judges	---	---
Other Professional Specialty Occupations	8	4.8
Tech/Support		
Health Technologists and Technicians	---	---
Engineering and Science Technicians	5	6.9
Technicians, Exc Health/Engineering/Science	27	55.7
Sales		
Supervisors and Proprietors, Sales Occupations	11	5.6
Sales Reps, Finance and Business Services	5	5.0
Sales Reps, Commodities, Except Retail	3	5.1
Sales Workers, Retail & Personal Services	10	2.9
Sales Related Occupations	---	---
Clerical		
Supervisors, Administrative Support	---	---
Computer Equipment Operators	---	---
Secretaries, Stenographers, and Typists	---	---
Financial Records Processing	---	---
Mail and Message Distribution	---	---
Other Admin. Support, Including Clerical	8	2.1

DETAILED OCCUPATION	NO. OF DEATHS	RATE
Service		
Private Household Service Occupations	---	---
Protective Service	18	22.7
Food Service	3	0.9
Health Service	---	---
Cleaning and Building Service	3	1.8
Personal Service	---	---
Farm/For/Fish		
Farm Operators and Managers	78	39.4
Farm Workers and Related Occupations	55	22.1
Forestry and Fishing Occupations	39	105.6
Crafts		
Mechanics and Repairers	30	11.4
Construction Trades	36	12.3
Other Precision Production, Craft, and Repair	19	10.0
Mach Operators		
Machine Operators/Tenders, Except Precision	16	7.5
Fabricators, Assemblers, Inspectors, Samplers	6	3.8
Transport		
Motor Vehicle Operators	90	41.9
Other Transport and Material Moving Occ	30	30.7
Laborers		
Construction Laborers	15	35.2
Freight, Stock, & Materials Handlers	---	---
Other Handlers, Equip. Cleaner, Helper, Laborer	17	12.2
Other or Not Classified	21	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for "unknown" or "not classified" categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.



## State of Illinois

### Traumatic Occupational Fatalities (1980-1995):

Number: 4,169

Rate: 4.9 per 100,000 workers

### Leading Causes of Death (1980-1995):

Motor Vehicle - 798

Homicide - 676

### Industries with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Construction - 718

Rate: Agriculture/Forestry/Fisheries - 24.8 per 100,000 workers

### Occupations with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Precision Production/Craft/Repair - 725

Rate: Farming/Forestry/Fishing - 24.2 per 100,000 workers

*Table IL-1. Number and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Year, Illinois, 1980-1995.*

YEAR OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
1980	322	6.3
1981	304	5.9
1982	306	6.1
1983	263	5.3
1984	260	5.1
1985	249	4.8
1986	281	5.4
1987	293	5.5
1988	347	6.4
1989	226	4.0
1990	237	4.3
1991	208	3.8
1992	230	4.1
1993	215	3.9
1994	210	3.7
1995	218	3.8
<b>Total</b>	<b>4,169</b>	<b>4.9</b>

*Table IL-2. Number\* and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Sex, Race, and Age Group, Illinois, 1980-1995.*

DEMOGRAPHICS	Total		YEAR OF DEATH					
			1980-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Sex								
Male	3,928	8.3	1,592	9.2	1,301	8.7	1,035	6.8
Female	241	0.6	112	0.9	83	0.7	46	0.4
Race								
White	3,528	4.8	1,431	5.4	1,159	5.0	938	3.9
Black	562	6.1	247	8.0	194	6.4	121	3.8
Other	69	3.1	26	4.3	26	3.9	17	1.7
Age Group								
16-17	40	1.9	22	2.7	10	1.5	8	1.3
18-19	91	3.0	40	3.3	31	3.2	20	2.4
20-24	385	3.8	177	4.3	131	4.2	77	2.6
25-34	959	4.0	385	4.6	343	4.4	231	3.0
35-44	889	4.4	334	5.3	293	4.4	262	3.6
45-54	779	5.5	298	6.1	239	5.5	242	4.8
55-64	664	7.2	282	7.7	235	8.5	147	5.4
65+	359	14.2	163	17.6	102	13.1	94	11.3

\*Numbers not reported for "unknown" categories.

**Table IL-3.** *Number and Average Annual Rate\* (per 100,000 workers) of Traumatic Occupational Fatalities by Cause of Death, Illinois, 1980-1995.*

CAUSE OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
Motor Vehicle	798	0.9
Homicide	676	0.8
Fall	525	0.6
Machine	494	0.6
Electrocution	283	0.3
Struck by Falling Object	193	0.2
Suicide	174	0.2
Explosion	108	0.1
Nature/Environment	98	0.1
Fire	97	0.1
Poisoning	95	0.1
Flying Object/Caught In	91	0.1
Suffocation	91	0.1
Air Transport	81	0.1
Rail Transport	59	0.1
Drowning	38	< 0.1
Water Transport	37	< 0.1
Other	148	0.2
Unknown/Undetermined	83	---

\*Rates not calculated for “unknown” or “not classified” categories.



**Table IL-4.** Number and Rate\* (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Industry and Occupation Division, Illinois, 1983-1995.

INDUSTRY/ OCCUPATION DIVISION	Total		YEAR OF DEATH					
			1983-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Industry Division								
Ag/For/Fish	361	24.8	90	25.7	158	27.2	113	21.6
Mining	59	19.6	18	19.3	25	20.1	16	19.2
Construction	718	19.5	162	21.7	312	21.3	244	16.6
Manufacturing	460	3.3	132	3.9	169	3.1	159	3.0
Trans/Comm/PU	548	10.4	115	10.0	262	12.5	171	8.5
Wholesale Trade	116	4.0	22	3.5	52	4.6	42	3.6
Retail Trade	286	2.4	67	2.6	110	2.5	109	2.3
Finance/Insur/RE	39	0.7	5	0.5	17	0.8	17	0.8
Services	367	1.6	82	1.8	151	1.8	134	1.4
Public Admin	146	5.3	39	6.6	63	5.9	44	4.1
Not Classified	137	---	40	---	65	---	32	---
Occupation Division								
Exec/Adm/Mgr	215	2.4	41	2.4	97	2.9	77	2.0
Prof/Spec	106	1.1	20	1.0	45	1.3	41	1.0
Tech/Support	57	2.8	15	3.6	22	3.1	20	2.3
Sales	226	2.7	49	2.7	87	2.6	90	2.6
Clerical	73	0.6	19	0.7	28	0.6	26	0.6
Service	263	2.8	71	3.5	102	2.8	90	2.4
Farm/For/Fish	361	24.2	89	24.8	166	28.0	106	19.7
Crafts	725	9.4	180	10.4	286	9.6	259	8.6
Mach Operators	134	2.7	43	3.7	47	2.5	44	2.3
Transport	513	18.2	104	16.9	245	22.6	164	14.7
Laborers	466	15.4	113	17.0	213	17.5	140	12.3
Not Classified	98	---	28	---	46	---	24	---

\*Rates not calculated for "unknown" or "not classified" categories.

**Table IL-5.** Number\* and Average Annual Rate\*\* (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Industry Groupings, Illinois, 1983-1995.

DETAILED INDUSTRY	NO. OF DEATHS	RATE	DETAILED INDUSTRY	NO. OF DEATHS	RATE
Ag/For/Fish			Retail Trade		
Ag Production	323	30.3	Food Stores	61	3.4
Ag Services	34	9.5	Motor Veh/Auto Supply Dealer	47	4.2
Forestry & Fisheries	4	14.2	Apparel & Accessory Stores	3	0.5
Mining			Eating & Drinking Places	73	2.0
Metal/Coal/Nonmetal Mining	48	19.1	Other Retail Trade	102	2.2
Oil and Gas Extraction	11	22.2	Finance/Insur/RE		
Construction	718	19.5	Banking and Other Finance	8	0.3
Manufacturing			Insurance and Real Estate	31	1.0
Food & Kindred Prod	43	3.1	Services		
Textile Mill Prod	---	---	Business Services	77	2.5
Apparel & Other Textile Pr	3	1.2	Automobile and Repair Services	101	8.7
Paper & Allied Products	11	2.3	Private Household Services	4	0.7
Printing/Publishing/Allied	23	1.4	Pers Serv Exc Priv Household	41	2.3
Chemical/Petroleum/Rubber	69	3.6	Entertainment & Rec Services	24	2.8
Lumber & Wood	20	15.5	Hospitals	19	0.6
Furniture	4	1.7	Health Services, Exc Hosp	16	0.6
Stone/Clay/Concrete	17	4.7	Educational Services	40	0.7
Primary Metals	69	8.8	Other Professional Services	45	1.1
Fabricated Metals	20	1.7	Public Admin		
Mach, Ex Elect	37	1.8	Justice, Pub Order, & Safety	95	8.1
Elect Mach, Equip Supplies	23	1.3	Admin of Hum Res Programs	3	0.9
Motor Vehicles Equip	18	3.0	National Sec/Internal Affairs	3	1.4
Aircraft & Parts	3	2.5	Other Pub Admin	44	4.4
Other Transport Equip	4	2.7	Not Classified	138	---
Prof & Photo Equip/Watches	---	---			
Toys/Amusement/Sporting Goods	---	---			
Misc & NEC Industries	92	22.5			
Trans/Comm/PU					
Trucking/Warehousing/Storage	263	19.8			
Other Transportation	192	9.0			
Telephone Communications	12	1.7			
Other Communications	6	2.6			
Electric Light and Power	36	9.9			
Other Utility/Sanitary Service	39	8.0			
Wholesale Trade	116	4.0			

\*Numbers not reported for cells with less than 3 deaths.

\*\*Rates not calculated for "unknown" or "not classified" categories.

\*\*\*Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table II-6.** Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Occupation Groupings, Illinois, 1983-1995.

DETAILED OCCUPATION	NO. OF DEATHS	RATE
Exec/Adm/Mgr		
Officials & Administrators, Public Admin	6	2.0
Other Executive, Admin & Managerial	187	3.1
Management Related Occupations	22	0.9
Prof/Spec		
Engineers	42	4.0
Mathematical and Computer Scientists	---	---
Natural Scientists	3	1.3
Health Diagnosing Occupations	9	1.9
Health Assessment and Treatment Occupations	7	0.5
Teachers, College and University	5	1.1
Teachers, Except College and University	11	0.5
Lawyers and Judges	8	1.4
Other Professional Specialty Occupations	20	0.9
Tech/Support		
Health Technologists and Technicians	4	0.6
Engineering and Science Technicians	22	3.7
Technicians, Exc Health/Engineering/Science	31	4.5
Sales		
Supervisors and Proprietors, Sales Occupations	134	6.0
Sales Reps, Finance and Business Services	10	0.6
Sales Reps, Commodities, Except Retail	18	1.7
Sales Workers, Retail & Personal Services	64	1.8
Sales Related Occupations	---	---
Clerical		
Supervisors, Administrative Support	4	0.8
Computer Equipment Operators	---	---
Secretaries, Stenographers, and Typists	4	0.1
Financial Records Processing	---	---
Mail and Message Distribution	19	3.0
Other Admin. Support, Including Clerical	43	0.7

DETAILED OCCUPATION	NO. OF DEATHS	RATE
Service		
Private Household Service Occupations	---	---
Protective Service	134	10.7
Food Service	32	1.0
Health Service	3	0.3
Cleaning and Building Service	77	4.0
Personal Service	15	1.2
Farm/For/Fish		
Farm Operators and Managers	290	38.8
Farm Workers and Related Occupations	58	8.0
Forestry and Fishing Occupations	13	---
Crafts		
Mechanics and Repairers	168	6.7
Construction Trades	400	15.9
Other Precision Production, Craft, and Repair	157	5.8
Mach Operators		
Machine Operators/Tenders, Except Precision	81	2.4
Fabricators, Assemblers, Inspectors, Samplers	53	3.2
Transport		
Motor Vehicle Operators	406	18.9
Other Transport and Material Moving Occ	107	15.8
Laborers		
Construction Laborers	249	57.0
Freight, Stock, & Materials Handlers	40	3.4
Other Handlers, Equip. Cleaner, Helper, Laborer	177	12.7
Other or Not Classified	98	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for "unknown" or "not classified" categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.



## State of Indiana

### Traumatic Occupational Fatalities (1980-1995):

Number: 2,284

Rate: 5.5 per 100,000 workers

### Leading Causes of Death (1980-1995):

Motor Vehicle - 603

Machine - 301

### Industries with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Transportation/Communications/Public Utilities - 357

Rate: Agriculture/Forestry/Fisheries - 19.1 per 100,000 workers

### Occupation with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Transportation/Material Movers - 364

Rate: Transportation/Material Movers - 22.2 per 100,000 workers

*Table IN-1. Number and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Year, Indiana, 1980-1995.*

YEAR OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
1980	192	8.0
1981	161	6.7
1982	182	8.0
1983	142	6.2
1984	131	5.5
1985	136	5.4
1986	122	4.7
1987	164	6.4
1988	158	6.0
1989	121	4.4
1990	141	5.3
1991	127	4.9
1992	133	5.0
1993	128	4.6
1994	132	4.5
1995	114	3.8
<b>Total</b>	<b>2,284</b>	<b>5.5</b>

**Table IN-2.** Number<sup>\*\*</sup> and Rate<sup>‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Sex, Race, and Age Group, Indiana, 1980-1995.

DEMOGRAPHICS	Total		YEAR OF DEATH					
			1980-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Sex								
Male	2,139	9.5	898	11.1	659	9.3	582	7.9
Female	145	0.8	46	0.7	47	0.8	52	0.8
Race								
White	2,121	5.5	886	6.6	649	5.3	586	4.5
Black	138	5.3	58	6.9	44	4.9	36	4.1
Other	13	4.3	---	---	6	6.8	7	5.7
Age Group								
16-17	16	1.5	4	1.1	6	1.7	6	1.7
18-19	58	3.6	33	5.2	18	3.7	7	1.4
20-24	200	3.9	103	5.1	58	3.6	39	2.6
25-34	582	5.1	242	6.1	188	5.0	152	4.1
35-44	502	5.0	172	5.7	160	5.3	170	4.3
45-54	443	6.6	181	8.1	143	6.8	119	5.0
55-64	316	7.4	142	8.5	81	5.7	93	7.8
65+	164	14.2	65	15.2	51	13.6	48	13.6

\*Numbers not reported for cells with less than 3 deaths.

†Numbers not reported for “unknown” categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table IN-3.** *Number and Average Annual Rate\* (per 100,000 workers) of Traumatic Occupational Fatalities by Cause of Death, Indiana, 1980-1995.*

CAUSE OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
Motor Vehicle	603	1.5
Machine	301	0.7
Homicide	236	0.6
Fall	220	0.5
Electrocution	168	0.4
Struck by Falling Object	165	0.4
Suicide	83	0.2
Air Transport	74	0.2
Nature/Environment	72	0.2
Suffocation	55	0.1
Flying Object/Caught In	54	0.1
Explosion	51	0.1
Poisoning	41	0.1
Fire	36	0.1
Rail Transport	29	0.1
Drowning	18	< 0.1
Water Transport	10	< 0.1
Other	65	0.2
Unknown\Undetermined	3	---

\*Rates not calculated for "unknown" or "not classified" categories.

**Table IN-4. Number<sup>\*†</sup> and Rate<sup>‡§</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Industry and Occupation Division, Indiana, 1983-1995.**

INDUSTRY/ OCCUPATION DIVISION	Total		YEAR OF DEATH					
			1983-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Industry Division								
Ag/For/Fish	190	19.1	35	14.4	82	20.4	73	20.9
Mining	26	18.6	7	32.9	9	16.4	10	15.8
Construction	312	15.9	85	22.6	123	16.5	104	12.5
Manufacturing	302	3.4	68	3.4	134	4.0	100	2.8
Trans/Comm/PU	357	16.9	79	17.1	146	17.4	132	16.2
Wholesale Trade	67	5.2	10	3.6	30	5.8	27	5.4
Retail Trade	158	2.6	41	3.2	63	2.7	54	2.3
Finance/Insur/RE	17	0.9	---	---	---	---	10	1.3
Services	171	1.7	33	1.6	65	1.7	73	1.7
Public Admin	59	5.2	14	6.6	18	4.0	27	5.8
Not Classified	90	---	32	---	34	---	24	---
Occupation Division								
Exec/Adm/Mgr	111	3.4	15	2.4	49	4.2	47	3.2
Prof/Spec	55	1.5	13	1.7	20	1.4	22	1.5
Tech/Support	36	3.8	11	5.8	13	3.7	12	3.0
Sales	113	2.9	31	3.8	41	2.6	41	2.6
Clerical	33	0.7	7	0.7	18	0.9	8	0.4
Service	116	2.4	22	2.1	42	2.3	52	2.7
Farm/For/Fish	208	19.9	41	16.2	88	20.7	79	21.6
Crafts	331	7.2	83	8.6	126	7.2	122	6.4
Mach Operators	90	2.3	20	2.3	37	2.6	33	2.1
Transport	364	22.2	79	24.2	144	21.9	141	21.6
Laborers	229	13.7	63	18.7	103	16.0	63	9.2
Not Classified	63	---	24	---	25	---	14	---

\*Numbers not reported for cells with less than 3 deaths.

†Numbers and rates not reported for some cells with 3 or more deaths to meet confidentiality requirements.

‡Rates not calculated for "unknown" or "not classified" categories.

§Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table IN-5.** Number\* and Average Annual Rate\*\* (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Industry Groupings, Indiana, 1983-1995.

DETAILED INDUSTRY	NO. OF DEATHS	RATE	DETAILED INDUSTRY	NO. OF DEATHS	RATE
Ag/For/Fish			Retail Trade		
Ag Production	163	20.5	Food Stores	30	3.4
Ag Services	27	14.3	Motor Veh/Auto Supply Dealer	36	5.1
Forestry & Fisheries	---	---	Apparel & Accessory Stores	4	1.6
Mining			Eating & Drinking Places	41	2.2
Metal/Coal/Nonmetal Mining	18	14.0	Other Retail Trade	47	2.1
Oil and Gas Extraction	8	---	Finance/Insur/RE		
Construction	312	15.9	Banking and Other Finance	5	0.6
Manufacturing			Insurance and Real Estate	12	1.1
Food & Kindred Prod	17	3.5	Services		
Textile Mill Prod	---	---	Business Services	25	2.7
Apparel & Other Textile Pr	---	---	Automobile and Repair Services	43	7.0
Paper & Allied Products	4	1.8	Private Household Services	---	---
Printing/Publishing/Allied	12	2.5	Pers Serv Exc Priv Household	32	3.7
Chemical/Petroleum/Rubber	22	2.4	Entertainment & Rec Services	12	3.7
Lumber & Wood	36	13.6	Hospitals	5	0.3
Furniture	4	0.8	Health Services, Exc Hosp	11	0.8
Stone/Clay/Concrete	13	4.4	Educational Services	23	0.9
Primary Metals	86	8.8	Other Professional Services	20	1.2
Fabricated Metals	21	3.3	Public Admin		
Mach, Ex Elect	13	1.2	Justice, Pub Order, & Safety	46	10.6
Elect Mach, Equip Supplies	11	1.1	Admin of Hum Res Programs	---	---
Motor Vehicles Equip	16	1.3	National Sec/Internal Affairs	---	---
Aircraft & Parts	---	---	Other Pub Admin	12	2.9
Other Transport Equip	7	7.5	Not Classified	91	---
Prof & Photo Equip/Watches	---	---			
Toys/Amusement/Sporting Goods	---	---			
Misc & NEC Industries	37	16.2			
Trans/Comm/PU					
Trucking/Warehousing/Storage	220	29.4			
Other Transportation	78	13.6			
Telephone Communications	4	1.5			
Other Communications	---	---			
Electric Light and Power	28	15.1			
Other Utility/Sanitary Service	25	9.0			
Wholesale Trade	67	5.2			

\*Numbers not reported for cells with less than 3 deaths.

\*\*Rates not calculated for "unknown" or "not classified" categories.

†Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table IN-6.** Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Occupation Groupings, Indiana, 1983-1995.

DETAILED OCCUPATION	NO. OF DEATHS	RATE
Exec/Adm/Mgr		
Officials & Administrators, Public Admin	---	---
Other Executive, Admin & Managerial	97	4.2
Management Related Occupations	12	1.4
Prof/Spec		
Engineers	14	3.0
Mathematical and Computer Scientists	---	---
Natural Scientists	---	---
Health Diagnosing Occupations	4	2.0
Health Assessment and Treatment Occupations	4	0.7
Teachers, College and University	3	1.8
Teachers, Except College and University	8	0.8
Lawyers and Judges	3	2.5
Other Professional Specialty Occupations	17	2.0
Tech/Support		
Health Technologists and Technicians	---	---
Engineering and Science Technicians	11	3.5
Technicians, Exc Health/Engineering/Science	24	10.3
Sales		
Supervisors and Proprietors, Sales Occupations	68	6.2
Sales Reps, Finance and Business Services	5	0.9
Sales Reps, Commodities, Except Retail	12	3.0
Sales Workers, Retail & Personal Services	28	1.5
Sales Related Occupations	---	---
Clerical		
Supervisors, Administrative Support	---	---
Computer Equipment Operators	---	---
Secretaries, Stenographers, and Typists	3	0.2
Financial Records Processing	3	0.4
Mail and Message Distribution	7	3.2
Other Admin. Support, Including Clerical	19	0.8

DETAILED OCCUPATION	NO. OF DEATHS	RATE
Service		
Private Household Service Occupations	---	---
Protective Service	58	12.5
Food Service	16	0.9
Health Service	4	0.6
Cleaning and Building Service	30	3.2
Personal Service	8	1.1
Farm/For/Fish		
Farm Operators and Managers	152	30.1
Farm Workers and Related Occupations	36	6.9
Forestry and Fishing Occupations	20	---
Crafts		
Mechanics and Repairers	98	6.0
Construction Trades	176	12.5
Other Precision Production, Craft, and Repair	57	3.6
Mach Operators		
Machine Operators/Tenders, Except Precision	68	2.9
Fabricators, Assemblers, Inspectors, Samplers	22	1.5
Transport		
Motor Vehicle Operators	299	25.9
Other Transport and Material Moving Occ	65	13.4
Laborers		
Construction Laborers	104	45.0
Freight, Stock, & Materials Handlers	18	3.0
Other Handlers, Equip. Cleaner, Helper, Laborer	107	12.8
Other or Not Classified	63	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for "unknown" or "not classified" categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.



## State of Iowa

### Traumatic Occupational Fatalities (1980-1995):

Number: 1,373

Rate: 6.2 per 100,000 workers

### Leading Causes of Death (1980-1995):

Machine - 345

Motor Vehicle - 343

### Industries with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Agriculture/Forestry/Fisheries - 359

Rate: Mining - 32.0 per 100,000 workers

### Occupation with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Farming/Forestry/Fishing - 362

Rate: Farming/Forestry/Fishing - 21.3 per 100,000 workers

*Table IA-1. Number and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Year, Iowa, 1980-1995.*

YEAR OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
1980	126	9.0
1981	102	7.4
1982	94	7.3
1983	84	6.4
1984	89	6.8
1985	100	7.6
1986	78	5.8
1987	81	6.0
1988	110	7.7
1989	97	6.7
1990	74	5.3
1991	70	5.0
1992	81	5.6
1993	61	4.1
1994	75	5.0
1995	51	3.4
<b>Total</b>	<b>1,373</b>	<b>6.2</b>

*Table IA-2. Number<sup>\*†‡</sup> and Rate<sup>§</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Sex, Race, and Age Group, Iowa, 1980-1995.*

DEMOGRAPHICS	Total		YEAR OF DEATH					
			1980-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Sex								
Male	1,289	10.5	558	12.2	415	10.9	316	8.0
Female	84	0.8	37	1.1	25	0.8	22	0.6
Race								
White	1,359	6.2	589	7.5	438	6.4	332	4.6
Black	11	4.6	6	8.4	---	---	---	---
Other	---	---	---	---	---	---	---	---
Age Group								
16-17	15	2.1	6	2.2	5	2.4	4	1.8
18-19	37	4.2	28	7.5	6	2.4	3	1.1
20-24	131	4.7	78	6.6	34	4.3	19	2.4
25-34	276	4.6	130	6.0	87	4.4	59	3.2
35-44	231	4.5	88	5.6	72	4.4	71	3.7
45-54	233	6.6	90	7.4	79	7.5	64	5.0
55-64	248	10.2	103	11.1	95	12.0	50	7.0
65+	202	23.2	72	25.0	62	22.6	68	22.2

\*Numbers not reported for cells with less than 3 deaths.

†Numbers not reported for “unknown” categories.

‡Numbers and rates not reported for some cells with 3 or more deaths to meet confidentiality requirements.

§Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table IA-3.** *Number and Average Annual Rate\* (per 100,000 workers) of Traumatic Occupational Fatalities by Cause of Death, Iowa, 1980-1995.*

CAUSE OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
Machine	345	1.5
Motor Vehicle	343	1.5
Fall	128	0.6
Struck by Falling Object	83	0.4
Electrocution	81	0.4
Suffocation	70	0.3
Homicide	49	0.2
Suicide	43	0.2
Flying Object/Caught In	36	0.2
Nature/Environment	31	0.1
Explosion	30	0.1
Poisoning	30	0.1
Air Transport	26	0.1
Fire	20	0.1
Drowning	12	0.1
Rail Transport	7	< 0.1
Water Transport	7	< 0.1
Other	20	0.1
Unknown\Undetermined	12	---

\*Rates not calculated for "unknown" or "not classified" categories.

**Table IA-4.** Number\*† and Rate†‡§ (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Industry and Occupation Division, Iowa, 1983-1995.

INDUSTRY/ OCCUPATION DIVISION	Total		YEAR OF DEATH					
			1983-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Industry Division								
Ag/For/Fish	359	20.9	93	23.3	149	20.7	117	19.5
Mining	9	32.0	5	---	---	---	---	---
Construction	168	18.0	37	19.4	65	19.5	66	16.2
Manufacturing	112	3.6	25	3.6	51	4.2	36	2.9
Trans/Comm/PU	126	12.1	41	17.3	51	13.1	34	8.2
Wholesale Trade	50	6.0	16	8.6	21	6.8	13	3.8
Retail Trade	57	1.9	7	1.0	30	2.6	20	1.6
Finance/Insur/RE	10	1.0	---	---	---	---	6	1.4
Services	83	1.4	28	2.4	30	1.4	25	1.0
Public Admin	27	4.6	8	6.1	13	5.4	6	2.8
Not Classified	50	---	12	---	24	---	14	---
Occupation Division								
Exec/Adm/Mgr	64	3.6	13	3.9	23	3.5	28	3.6
Prof/Spec	30	1.3	13	2.8	9	1.1	8	0.8
Tech/Support	9	1.8	---	---	5	2.7	---	---
Sales	52	2.6	9	2.1	23	3.1	20	2.4
Clerical	17	0.7	8	1.4	3	0.3	6	0.6
Service	41	1.5	10	1.7	17	1.7	14	1.3
Farm/For/Fish	362	21.3	96	24.0	149	21.0	117	19.8
Crafts	148	7.3	34	7.4	65	8.4	49	6.2
Mach Operators	36	2.9	9	3.5	17	3.6	10	2.0
Transport	133	16.4	40	21.2	62	20.4	31	9.8
Laborers	118	15.7	25	15.2	49	16.5	44	15.2
Not Classified	41	---	14	---	18	---	9	---

\*Numbers not reported for cells with less than 3 deaths.

†Numbers and rates not reported for some cells with 3 or more deaths to meet confidentiality requirements.

‡Rates not calculated for "unknown" or "not classified" categories.

§Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table IA-5. Number\* and Average Annual Rate\*\* (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Industry Groupings, Iowa, 1983-1995.**

DETAILED INDUSTRY	NO. OF DEATHS	RATE	DETAILED INDUSTRY	NO. OF DEATHS	RATE
Ag/For/Fish			Retail Trade		
Ag Production	345	21.6	Food Stores	10	1.9
Ag Services	12	9.9	Motor Veh/Auto Supply Dealer	20	6.1
Forestry & Fisheries	---	---	Apparel & Accessory Stores	---	---
Mining			Eating & Drinking Places	13	1.4
Metal/Coal/Nonmetal Mining	7	28.1	Other Retail Trade	14	1.2
Oil and Gas Extraction	---	---	Finance/Insur/RE		
Construction	168	18.0	Banking and Other Finance	4	1.0
Manufacturing			Insurance and Real Estate	6	1.0
Food & Kindred Prod	24	3.8	Services		
Textile Mill Prod	---	---	Business Services	12	2.6
Apparel & Other Textile Pr	---	---	Automobile and Repair Services	28	8.6
Paper & Allied Products	---	---	Private Household Services	---	---
Printing/Publishing/Allied	---	---	Pers Serv Exc Priv Household	---	---
Chemical/Petroleum/Rubber	10	3.0	Entertainment & Rec Services	3	1.5
Lumber & Wood	4	4.0	Hospitals	5	0.6
Furniture	---	---	Health Services, Exc Hosp	5	0.6
Stone/Clay/Concrete	13	19.3	Educational Services	25	1.5
Primary Metals	9	9.6	Other Professional Services	3	0.3
Fabricated Metals	4	2.2	Public Admin		
Mach, Ex Elect	12	2.0	Justice, Pub Order, & Safety	12	7.0
Elect Mach, Equip Supplies	5	1.6	Admin of Hum Res Programs	---	---
Motor Vehicles Equip	4	4.3	National Sec/Internal Affairs	---	---
Aircraft & Parts	---	---	Other Pub Admin	15	5.3
Other Transport Equip	---	---	Not Classified	50	---
Prof & Photo Equip/Watches	---	---			
Toys/Amusement/Sporting Goods	---	---			
Misc & NEC Industries	21	32.4			
Trans/Comm/PU					
Trucking/Warehousing/Storage	78	19.8			
Other Transportation	29	9.8			
Telephone Communications	---	---			
Other Communications	---	---			
Electric Light and Power	6	7.8			
Other Utility/Sanitary Service	13	10.4			
Wholesale Trade	50	6.0			

\*Numbers not reported for cells with less than 3 deaths.

\*\*Rates not calculated for "unknown" or "not classified" categories.

†Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table IA-6.** Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Occupation Groupings, Iowa, 1983-1995.

DETAILED OCCUPATION	NO. OF DEATHS	RATE
Exec/Adm/Mgr		
Officials & Administrators, Public Admin	---	---
Other Executive, Admin & Managerial	55	4.5
Management Related Occupations	9	1.9
Prof/Spec		
Engineers	10	5.6
Mathematical and Computer Scientists	---	---
Natural Scientists	---	---
Health Diagnosing Occupations	---	---
Health Assessment and Treatment Occupations	---	---
Teachers, College and University	5	2.9
Teachers, Except College and University	7	1.1
Lawyers and Judges	---	---
Other Professional Specialty Occupations	4	0.7
Tech/Support		
Health Technologists and Technicians	3	1.6
Engineering and Science Technicians	---	---
Technicians, Exc Health/Engineering/Science	5	3.5
Sales		
Supervisors and Proprietors, Sales Occupations	23	3.8
Sales Reps, Finance and Business Services	5	1.9
Sales Reps, Commodities, Except Retail	8	3.7
Sales Workers, Retail & Personal Services	13	1.4
Sales Related Occupations	3	---
Clerical		
Supervisors, Administrative Support	---	---
Computer Equipment Operators	---	---
Secretaries, Stenographers, and Typists	---	---
Financial Records Processing	---	---
Mail and Message Distribution	7	5.3
Other Admin. Support, Including Clerical	8	0.7

DETAILED OCCUPATION	NO. OF DEATHS	RATE
Service		
Private Household Service Occupations	---	---
Protective Service	15	8.8
Food Service	4	0.4
Health Service	---	---
Cleaning and Building Service	17	3.4
Personal Service	3	0.7
Farm/For/Fish		
Farm Operators and Managers	324	27.1
Farm Workers and Related Occupations	34	6.8
Forestry and Fishing Occupations	4	---
Crafts		
Mechanics and Repairers	40	5.7
Construction Trades	79	12.0
Other Precision Production, Craft, and Repair	29	4.4
Mach Operators		
Machine Operators/Tenders, Except Precision	26	3.4
Fabricators, Assemblers, Inspectors, Samplers	10	2.2
Transport		
Motor Vehicle Operators	106	17.6
Other Transport and Material Moving Occ	27	13.0
Laborers		
Construction Laborers	58	56.5
Freight, Stock, & Materials Handlers	9	3.3
Other Handlers, Equip. Cleaner, Helper, Laborer	51	13.6
Other or Not Classified	41	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for "unknown" or "not classified" categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

## State of Kansas

### Traumatic Occupational Fatalities (1980-1995):

Number: 1,177

Rate: 6.1 per 100,000 workers

### Leading Causes of Death (1980-1995):

Motor Vehicle - 364

Machine - 211

### Industries with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Agriculture/Forestry/Fisheries - 172

Rate: Mining - 36.5 per 100,000 workers

### Occupation with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Transportation/Material Movers - 186

Rate: Transportation/Material Movers - 28.7 per 100,000 workers

**Table KS-1.** *Number and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Year, Kansas, 1980-1995.*

YEAR OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
1980	111	9.5
1981	87	7.3
1982	80	7.2
1983	82	7.4
1984	92	8.1
1985	67	5.7
1986	66	5.7
1987	79	6.6
1988	58	4.8
1989	61	5.0
1990	80	6.6
1991	61	5.0
1992	54	4.3
1993	68	5.4
1994	69	5.5
1995	62	4.9
<b>Total</b>	<b>1,177</b>	<b>6.1</b>

**Table KS-2.** Number<sup>\*\*†‡</sup> and Rate<sup>§§</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Sex, Race, and Age Group, Kansas, 1980-1995.

DEMOGRAPHICS	Total		YEAR OF DEATH					
			1980-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Sex								
Male	1,115	10.5	501	12.9	327	9.8	287	8.5
Female	62	0.7	18	0.6	17	0.6	27	0.9
Race								
White	1,111	6.2	498	7.6	324	5.8	289	5.0
Black	54	5.8	20	7.7	16	5.4	18	4.9
Other	8	2.5	---	---	---	---	6	4.4
Age Group								
16-17	12	2.3	7	3.3	---	---	---	---
18-19	38	5.2	21	7.3	14	6.3	3	1.4
20-24	132	5.5	78	7.6	28	4.0	26	3.9
25-34	304	5.9	142	7.6	84	4.9	78	4.9
35-44	202	4.6	86	6.4	56	3.9	60	3.8
45-54	200	6.6	68	6.6	68	7.7	64	5.6
55-64	168	7.9	79	9.4	46	6.9	43	7.0
65+	121	14.6	38	12.4	46	18.5	37	13.6

\*Numbers not reported for cells with less than 3 deaths.

†Numbers not reported for “unknown” categories.

‡Numbers and rates not reported for some cells with 3 or more deaths to meet confidentiality requirements.

§Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table KS-3.** *Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Cause of Death, Kansas, 1980-1995.*

CAUSE OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
Motor Vehicle	364	1.9
Machine	211	1.1
Homicide	108	0.6
Electrocution	88	0.5
Fall	84	0.4
Struck by Falling Object	70	0.4
Fire	38	0.2
Suffocation	37	0.2
Explosion	33	0.2
Air Transport	29	0.2
Nature/Environment	21	0.1
Poisoning	18	0.1
Suicide	18	0.1
Flying Object/Caught In	12	0.1
Rail Transport	8	< 0.1
Drowning	7	< 0.1
Water Transport	---	---
Other	28	0.1
Unknown\Undetermined	3	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for “unknown” or “not classified” categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table KS-4.** *Number and Rate\* (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Industry and Occupation Division, Kansas, 1983-1995.*

INDUSTRY/ OCCUPATION DIVISION	Total		YEAR OF DEATH					
			1983-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Industry Division								
Ag/For/Fish	172	17.5	39	15.9	79	21.0	54	15.0
Mining	50	36.5	15	32.9	18	31.5	17	49.7
Construction	153	17.2	38	19.0	53	15.9	62	17.5
Manufacturing	109	4.2	34	5.7	35	3.4	40	4.0
Trans/Comm/PU	152	13.0	46	18.4	60	12.8	46	10.2
Wholesale Trade	52	7.8	19	12.0	19	7.1	14	5.8
Retail Trade	59	2.3	9	1.6	20	2.1	30	2.9
Finance/Insur/RE	10	1.0	3	1.5	4	1.1	3	0.8
Services	73	1.4	20	1.9	30	1.6	23	1.1
Public Admin	29	4.3	4	2.8	11	4.3	14	5.2
Not Classified	40	---	14	---	15	---	11	---
Occupation Division								
Exec/Adm/Mgr	56	3.1	14	3.9	19	2.7	23	3.0
Prof/Spec	38	1.8	9	2.1	13	1.6	16	1.8
Tech/Support	20	4.2	7	6.7	7	3.9	6	3.2
Sales	47	2.6	14	3.5	17	2.5	16	2.3
Clerical	17	0.7	6	1.1	5	0.5	6	0.6
Service	44	2.1	7	1.6	17	2.1	20	2.3
Farm/For/Fish	165	16.7	39	16.0	75	20.0	51	13.9
Crafts	149	8.7	35	8.4	51	7.8	63	10.0
Mach Operators	32	3.3	11	5.1	9	2.4	12	3.1
Transport	186	28.7	52	36.5	75	29.1	59	23.7
Laborers	106	17.8	35	26.2	41	17.2	30	13.3
Not Classified	39	---	12	---	15	---	12	---

\*Rates not calculated for "unknown" or "not classified" categories.

**Table KS-5.** Number\* and Average Annual Rate\*\* (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Industry Groupings, Kansas, 1983-1995.

DETAILED INDUSTRY	NO. OF DEATHS	RATE	DETAILED INDUSTRY	NO. OF DEATHS	RATE
Ag/For/Fish			Retail Trade		
Ag Production	163	18.5	Food Stores	9	2.4
Ag Services	8	8.2	Motor Veh/Auto Supply Dealer	11	3.7
Forestry & Fisheries	---	---	Apparel & Accessory Stores	4	3.7
Mining			Eating & Drinking Places	18	2.3
Metal/Coal/Nonmetal Mining	8	---	Other Retail Trade	17	1.7
Oil and Gas Extraction	42	35.4	Finance/Insur/RE		
Construction	153	17.2	Banking and Other Finance	5	1.2
Manufacturing			Insurance and Real Estate	5	0.9
Food & Kindred Prod	24	9.3	Services		
Textile Mill Prod	---	---	Business Services	15	3.4
Apparel & Other Textile Pr	---	---	Automobile and Repair Services	16	6.9
Paper & Allied Products	---	---	Private Household Services	---	---
Printing/Publishing/Allied	4	1.2	Pers Serv Exc Priv Household	8	2.0
Chemical/Petroleum/Rubber	15	4.0	Entertainment & Rec Services	4	2.5
Lumber & Wood	6	14.8	Hospitals	3	0.4
Furniture	---	---	Health Services, Exc Hosp	---	---
Stone/Clay/Concrete	9	10.4	Educational Services	8	0.6
Primary Metals	10	14.7	Other Professional Services	18	2.1
Fabricated Metals	9	6.6	Public Admin		
Mach, Ex Elect	7	2.5	Justice, Pub Order, & Safety	19	8.2
Elect Mach, Equip Supplies	3	2.1	Admin of Hum Res Programs	---	---
Motor Vehicles Equip	3	4.2	National Sec/Internal Affairs	---	---
Aircraft & Parts	4	0.8	Other Pub Admin	8	2.9
Other Transport Equip	---	---	Not Classified	40	---
Prof & Photo Equip/Watches	---	---			
Toys/Amusement/Sporting Goods	---	---			
Misc & NEC Industries	11	24.9			
Trans/Comm/PU					
Trucking/Warehousing/Storage	92	31.2			
Other Transportation	35	8.8			
Telephone Communications	3	1.7			
Other Communications	3	5.4			
Electric Light and Power	9	11.3			
Other Utility/Sanitary Service	10	6.2			
Wholesale Trade	52	7.8			

\*Numbers not reported for cells with less than 3 deaths.

\*\*Rates not calculated for "unknown" or "not classified" categories.

†Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table KS-6.** Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Occupation Groupings, Kansas, 1983-1995.



DETAILED OCCUPATION	NO. OF DEATHS	RATE
Exec/Adm/Mgr		
Officials & Administrators, Public Admin	---	---
Other Executive, Admin & Managerial	48	3.7
Management Related Occupations	6	1.3
Prof/Spec		
Engineers	15	6.3
Mathematical and Computer Scientists	---	---
Natural Scientists	---	---
Health Diagnosing Occupations	---	---
Health Assessment and Treatment Occupations	3	0.9
Teachers, College and University	---	---
Teachers, Except College and University	5	0.9
Lawyers and Judges	4	4.9
Other Professional Specialty Occupations	6	1.3
Tech/Support		
Health Technologists and Technicians	---	---
Engineering and Science Technicians	4	2.7
Technicians, Exc Health/Engineering/Science	15	9.8
Sales		
Supervisors and Proprietors, Sales Occupations	28	5.5
Sales Reps, Finance and Business Services	4	1.5
Sales Reps, Commodities, Except Retail	6	3.0
Sales Workers, Retail & Personal Services	8	1.0
Sales Related Occupations	---	---
Clerical		
Supervisors, Administrative Support	---	---
Computer Equipment Operators	---	---
Secretaries, Stenographers, and Typists	3	0.5
Financial Records Processing	3	0.8
Mail and Message Distribution	5	3.8
Other Admin. Support, Including Clerical	6	0.5

DETAILED OCCUPATION	NO. OF DEATHS	RATE
Service		
Private Household Service Occupations	---	---
Protective Service	22	11.3
Food Service	7	0.9
Health Service	---	---
Cleaning and Building Service	14	3.8
Personal Service	---	---
Farm/For/Fish		
Farm Operators and Managers	131	20.5
Farm Workers and Related Occupations	30	8.7
Forestry and Fishing Occupations	4	---
Crafts		
Mechanics and Repairers	37	6.4
Construction Trades	67	11.9
Other Precision Production, Craft, and Repair	45	8.0
Mach Operators		
Machine Operators/Tenders, Except Precision	18	2.9
Fabricators, Assemblers, Inspectors, Samplers	14	3.9
Transport		
Motor Vehicle Operators	139	31.8
Other Transport and Material Moving Occ	47	22.3
Laborers		
Construction Laborers	54	54.7
Freight, Stock, & Materials Handlers	10	4.5
Other Handlers, Equip. Cleaner, Helper, Laborer	42	15.2
Other or Not Classified	39	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for "unknown" or "not classified" categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

## State of Kentucky

### Traumatic Occupational Fatalities (1980-1995):

Number: 2,037

Rate: 8.0 per 100,000 workers

### Leading Causes of Death (1980-1995):

Motor Vehicle - 472

Machine - 401

### Industry with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Mining - 247

Rate: Mining - 56.0 per 100,000 workers

### Occupations with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Precision Production/Craft/Repair - 415

Rate: Farming/Forestry/Fishing - 30.2 per 100,000 workers

**Table KY-1.** *Number and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Year, Kentucky, 1980-1995.*

YEAR OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
1980	170	11.2
1981	189	12.4
1982	165	11.0
1983	124	8.3
1984	159	10.2
1985	131	8.5
1986	100	6.5
1987	113	7.4
1988	106	6.7
1989	132	8.1
1990	108	6.5
1991	112	6.9
1992	94	5.7
1993	117	6.9
1994	106	6.2
1995	111	6.3
<b>Total</b>	<b>2,037</b>	<b>8.0</b>



**Table KY-2.** Number<sup>\*\*†</sup> and Rate<sup>‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Sex, Race, and Age Group, Kentucky, 1980-1995.

DEMOGRAPHICS	Total		YEAR OF DEATH					
			1980-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Sex								
Male	1,936	13.6	897	17.0	531	12.0	508	11.1
Female	101	0.9	41	1.1	28	0.8	32	0.8
Race								
White	1,958	8.2	901	10.5	536	7.2	521	6.6
Black	75	5.1	36	6.5	20	4.6	19	3.8
Other	---	---	---	---	---	---	---	---
Age Group								
16-17	10	1.8	6	2.6	---	---	---	---
18-19	65	7.1	40	11.1	14	4.9	11	4.0
20-24	220	7.4	138	11.8	46	4.9	36	4.2
25-34	526	7.3	246	9.4	156	6.7	124	5.5
35-44	410	6.3	182	8.6	100	4.8	128	5.4
45-54	350	8.5	135	9.8	112	9.0	103	6.8
55-64	263	10.7	119	12.1	71	10.3	73	9.4
65+	193	25.3	72	26.6	58	25.9	63	23.4

\*Numbers not reported for cells with less than 3 deaths.

†Numbers not reported for “unknown” categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table KY-3.** *Number and Average Annual Rate\* (per 100,000 workers) of Traumatic Occupational Fatalities by Cause of Death, Kentucky, 1980-1995.*

CAUSE OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
Motor Vehicle	472	1.8
Machine	401	1.6
Struck by Falling Object	255	1.0
Homicide	160	0.6
Electrocution	149	0.6
Fall	139	0.5
Explosion	69	0.3
Nature/Environment	65	0.3
Flying Object/Caught In	46	0.2
Poisoning	43	0.2
Suffocation	41	0.2
Suicide	41	0.2
Fire	22	0.1
Water Transport	22	0.1
Air Transport	19	0.1
Drowning	19	0.1
Rail Transport	12	< 0.1
Other	42	0.2
Unknown\Undetermined	20	---

\*Rates not calculated for "unknown" or "not classified" categories.



**Table KY-4.** Number and Rate\* (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Industry and Occupation Division, Kentucky, 1983-1995.

INDUSTRY/ OCCUPATION DIVISION	Total		YEAR OF DEATH					
			1983-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Industry Division								
Ag/For/Fish	237	24.7	58	18.7	94	26.9	85	28.4
Mining	247	56.0	67	67.5	107	54.9	73	49.8
Construction	217	16.3	66	23.9	74	14.6	77	14.0
Manufacturing	193	5.0	34	3.8	75	5.1	84	5.7
Trans/Comm/PU	213	13.8	77	22.6	58	10.0	78	12.5
Wholesale Trade	41	5.2	10	6.2	17	5.6	14	4.4
Retail Trade	116	3.2	35	4.6	45	3.1	36	2.5
Finance/Insur/RE	10	1.0	3	1.4	3	0.8	4	0.9
Services	124	1.9	28	2.2	49	2.0	47	1.7
Public Admin	52	6.0	13	5.5	18	6.0	21	6.5
Not Classified	63	---	23	---	19	---	21	---
Occupation Division								
Exec/Adm/Mgr	54	2.6	13	3.2	20	2.7	21	2.3
Prof/Spec	40	1.6	6	1.2	15	1.6	19	1.8
Tech/Support	18	3.1	6	5.4	3	1.5	9	3.3
Sales	90	3.8	27	5.4	32	3.4	31	3.3
Clerical	21	0.7	4	0.6	11	1.1	6	0.5
Service	81	2.8	23	3.5	31	2.8	27	2.3
Farm/For/Fish	302	30.2	68	21.5	123	32.7	111	36.2
Crafts	415	15.2	123	21.2	155	14.7	137	12.5
Mach Operators	67	3.9	15	3.6	21	3.2	31	4.9
Transport	232	19.2	76	31.9	76	31.9	90	19.1
Laborers	136	13.6	36	18.5	60	15.5	40	9.5
Not Classified	57	---	17	---	22	---	18	---

\*Rates not calculated for "unknown" or "not classified" categories.

**Table KY-5.** Number\* and Average Annual Rate<sup>††</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Industry Groupings, Kentucky, 1983-1995.

DETAILED INDUSTRY	NO. OF DEATHS	RATE	DETAILED INDUSTRY	NO. OF DEATHS	RATE
Ag/For/Fish			Retail Trade		
Ag Production	222	27.4	Food Stores	30	4.8
Ag Services	11	7.9	Motor Veh/Auto Supply Dealer	22	4.3
Forestry & Fisheries	4	---	Apparel & Accessory Stores	---	---
Mining			Eating & Drinking Places	17	1.6
Metal/Coal/Nonmetal Mining	236	57.7	Other Retail Trade	45	3.4
Oil and Gas Extraction	11	34.7	Finance/Insur/RE		
Construction	217	16.3	Banking and Other Finance	---	---
Manufacturing			Insurance and Real Estate	8	1.4
Food & Kindred Prod	13	4.3	Services		
Textile Mill Prod	---	---	Business Services	14	2.4
Apparel & Other Textile Pr	---	---	Automobile and Repair Services	41	9.9
Paper & Allied Products	---	---	Private Household Services	3	1.1
Printing/Publishing/Allied	11	3.5	Pers Serv Exc Priv Household	18	3.1
Chemical/Petroleum/Rubber	20	4.1	Entertainment & Rec Services	7	2.8
Lumber & Wood	76	46.2	Hospitals	3	0.3
Furniture	3	3.0	Health Services, Exc Hosp	11	1.3
Stone/Clay/Concrete	8	8.5	Educational Services	16	0.9
Primary Metals	12	6.5	Other Professional Services	11	1.1
Fabricated Metals	5	1.9	Public Admin		
Mach, Ex Elect	3	0.7	Justice, Pub Order, & Safety	32	10.5
Elect Mach, Equip Supplies	6	1.2	Admin of Hum Res Programs	---	---
Motor Vehicles Equip	9	2.9	National Sec/Internal Affairs	4	3.1
Aircraft & Parts	---	---	Other Pub Admin	15	5.0
Other Transport Equip	---	---	Not Classified	63	---
Prof & Photo Equip/Watches	---	---			
Toys/Amusement/Sporting Goods	---	---			
Misc & NEC Industries	20	15.3			
Trans/Comm/PU					
Trucking/Warehousing/Storage	109	21.9			
Other Transportation	43	8.6			
Telephone Communications	---	---			
Other Communications	---	---			
Electric Light and Power	26	20.6			
Other Utility/Sanitary Service	31	15.1			
Wholesale Trade	41	5.2			

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for “unknown” or “not classified” categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table KY-6.** Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Occupation Groupings, Kentucky, 1983-1995.



DETAILED OCCUPATION	NO. OF DEATHS	RATE
Exec/Adm/Mgr		
Officials & Administrators, Public Admin	5	5.8
Other Executive, Admin & Managerial	44	2.9
Management Related Occupations	5	1.0
Prof/Spec		
Engineers	8	3.2
Mathematical and Computer Scientists	---	---
Natural Scientists	---	---
Health Diagnosing Occupations	---	---
Health Assessment and Treatment Occupations	7	1.5
Teachers, College and University	---	---
Teachers, Except College and University	8	1.1
Lawyers and Judges	---	---
Other Professional Specialty Occupations	13	2.3
Tech/Support		
Health Technologists and Technicians	5	1.7
Engineering and Science Technicians	4	2.5
Technicians, Exc Health/Engineering/Science	9	6.5
Sales		
Supervisors and Proprietors, Sales Occupations	49	6.8
Sales Reps, Finance and Business Services	5	1.7
Sales Reps, Commodities, Except Retail	8	3.5
Sales Workers, Retail & Personal Services	28	2.5
Sales Related Occupations	---	---
Clerical		
Supervisors, Administrative Support	---	---
Computer Equipment Operators	---	---
Secretaries, Stenographers, and Typists	3	0.4
Financial Records Processing	3	0.7
Mail and Message Distribution	---	---
Other Admin. Support, Including Clerical	13	0.9

DETAILED OCCUPATION	NO. OF DEATHS	RATE
Service		
Private Household Service Occupations	---	---
Protective Service	42	13.9
Food Service	9	0.9
Health Service	---	---
Cleaning and Building Service	26	4.6
Personal Service	---	---
Farm/For/Fish		
Farm Operators and Managers	201	43.2
Farm Workers and Related Occupations	40	7.9
Forestry and Fishing Occupations	61	210.9
Crafts		
Mechanics and Repairers	67	6.8
Construction Trades	121	13.6
Other Precision Production, Craft, and Repair	227	26.3
Mach Operators		
Machine Operators/Tenders, Except Precision	42	4.0
Fabricators, Assemblers, Inspectors, Samplers	25	3.8
Transport		
Motor Vehicle Operators	174	21.5
Other Transport and Material Moving Occ	58	14.5
Laborers		
Construction Laborers	69	46.2
Freight, Stock, & Materials Handlers	11	3.2
Other Handlers, Equip. Cleaner, Helper, Laborer	56	11.1
Other or Not Classified	57	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for "unknown" or "not classified" categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

## State of Louisiana

### Traumatic Occupational Fatalities (1980-1995):

Number: 2,288

Rate: 8.3 per 100,000 workers

### Leading Causes of Death (1980-1995):

Machine - 405

Water Transport - 336

### Industries with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Transportation/Communications/Public Utilities - 326

Rate: Mining - 36.1 per 100,000 workers

### Occupations with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Precision Production/Craft/Repair - 450

Rate: Farming/Forestry/Fishing - 30.4 per 100,000 workers

**Table LA-1.** *Number and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Year, Louisiana, 1980-1995.*

YEAR OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
1980	200	12.2
1981	186	11.2
1982	183	10.9
1983	137	8.1
1984	147	8.3
1985	145	8.3
1986	111	6.4
1987	109	6.3
1988	109	6.3
1989	117	6.7
1990	123	7.2
1991	96	5.4
1992	144	8.1
1993	167	9.5
1994	182	10.3
1995	132	7.3
<b>Total</b>	<b>2,288</b>	<b>8.3</b>

*Table LA-2. Number\* and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Sex, Race, and Age Group, Louisiana, 1980-1995.*

DEMOGRAPHICS	Total		YEAR OF DEATH					
			1980-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Sex								
Male	2,213	14.1	981	16.5	555	11.3	677	14.0
Female	75	0.6	17	0.4	14	0.4	44	1.1
Race								
White	1,710	8.2	778	10.2	430	6.5	502	7.5
Black	501	7.8	201	8.2	123	6.3	177	8.6
Other	76	26.5	19	22.1	16	17.9	41	36.7
Age Group								
16-17	19	3.6	8	3.7	5	3.1	6	4.1
18-19	94	8.8	57	13.5	22	6.6	15	4.8
20-24	341	9.8	216	14.4	69	6.7	56	5.8
25-34	703	9.0	323	10.5	177	7.3	203	8.9
35-44	496	7.4	170	8.2	128	5.8	198	8.2
45-54	362	7.9	137	8.8	87	6.2	138	8.5
55-64	200	7.2	66	6.2	58	6.7	76	8.9
65+	73	9.6	21	7.6	23	11.0	29	10.5

\*Numbers not reported for "unknown" categories.

**Table LA-3.** *Number and Average Annual Rate\* (per 100,000 workers) of Traumatic Occupational Fatalities by Cause of Death, Louisiana, 1980-1995.*

CAUSE OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
Machine	405	1.5
Water Transport	336	1.2
Fall	212	0.8
Electrocution	198	0.7
Struck by Falling Object	152	0.5
Homicide	148	0.5
Drowning	132	0.5
Air Transport	130	0.5
Motor Vehicle	129	0.5
Nature/Environment	84	0.3
Explosion	78	0.3
Flying Object/Caught In	74	0.3
Fire	60	0.2
Suicide	43	0.2
Suffocation	38	0.1
Poisoning	26	0.1
Rail Transport	12	< 0.1
Other	24	0.1
Unknown\Undetermined	7	---

\*Rates not calculated for "unknown" or "not classified" categories.

**Table LA-4. Number<sup>\*†</sup> and Rate<sup>†‡§</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Industry and Occupation Division, Louisiana, 1983-1995.**

INDUSTRY/ OCCUPATION DIVISION	Total		YEAR OF DEATH					
			1983-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Industry Division								
Ag/For/Fish	190	27.4	42	26.6	70	27.4	78	27.8
Mining	252	36.1	90	51.6	84	32.0	78	29.9
Construction	300	16.2	79	16.1	91	13.3	130	19.1
Manufacturing	262	10.6	69	11.6	95	10.2	98	10.5
Trans/Comm/PU	326	18.6	81	20.4	98	14.4	147	21.9
Wholesale Trade	34	3.5	8	3.1	13	3.4	13	3.7
Retail Trade	100	2.5	15	1.6	30	1.9	55	3.5
Finance/Insur/RE	17	1.3	---	---	---	---	9	1.8
Services	122	1.6	20	1.2	37	1.3	65	2.0
Public Admin	51	4.3	6	2.1	16	3.4	29	6.5
Not Classified	65	---	17	---	29	---	19	---
Occupation Division								
Exec/Adm/Mgr	82	3.2	13	2.8	23	2.4	46	4.2
Prof/Spec	68	2.3	16	2.6	22	2.0	30	2.4
Tech/Support	63	8.1	16	9.9	21	7.4	26	7.9
Sales	61	2.0	7	1.0	21	1.8	33	3.0
Clerical	23	0.7	4	0.5	7	0.5	12	0.9
Service	80	2.5	9	1.2	26	2.2	45	3.4
Farm/For/Fish	219	30.4	55	32.8	84	30.7	80	28.5
Crafts	450	15.9	138	19.3	135	12.3	177	17.3
Mach Operators	99	9.8	23	9.1	36	9.9	40	10.3
Transport	335	26.6	85	27.9	101	22.2	149	29.9
Laborers	204	21.7	56	23.2	75	21.0	73	21.3
Not Classified	35	---	7	---	18	---	10	---

\*Numbers not reported for cells with less than 3 deaths.

†Numbers and rates not reported for some cells with 3 or more deaths to meet confidentiality requirements.

‡Rates not calculated for "unknown" or "not classified" categories.

§Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table LA-5. Number\* and Average Annual Rate<sup>††</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Industry Groupings, Louisiana, 1983-1995.**

DETAILED INDUSTRY	NO. OF DEATHS	RATE	DETAILED INDUSTRY	NO. OF DEATHS	RATE
Ag/For/Fish			Retail Trade		
Ag Production	57	13.8	Food Stores	31	4.0
Ag Services	32	18.3	Motor Veh/Auto Supply Dealer	8	1.8
Forestry & Fisheries	101	95.7	Apparel & Accessory Stores	---	---
Mining			Eating & Drinking Places	35	3.3
Metal/Coal/Nonmetal Mining	4	---	Other Retail Trade	26	1.7
Oil and Gas Extraction	248	36.3	Finance/Insur/RE		
Construction	300	16.2	Banking and Other Finance	4	0.7
Manufacturing			Insurance and Real Estate	13	1.8
Food & Kindred Prod	21	6.7	Services		
Textile Mill Prod	---	---	Business Services	22	2.9
Apparel & Other Textile Pr	---	---	Automobile and Repair Services	32	7.2
Paper & Allied Products	15	12.5	Private Household Services	---	---
Printing/Publishing/Allied	---	---	Pers Serv Exc Priv Household	18	2.7
Chemical/Petroleum/Rubber	61	9.7	Entertainment & Rec Services	7	2.3
Lumber & Wood	73	45.8	Hospitals	8	0.8
Furniture	---	---	Health Services, Exc Hosp	4	0.5
Stone/Clay/Concrete	3	4.3	Educational Services	9	0.4
Primary Metals	6	9.7	Other Professional Services	20	1.7
Fabricated Metals	11	6.0	Public Admin		
Mach, Ex Elect	16	8.8	Justice, Pub Order, & Safety	32	5.6
Elect Mach, Equip Supplies	3	3.3	Admin of Hum Res Programs	---	---
Motor Vehicles Equip	---	---	National Sec/Internal Affairs	3	4.3
Aircraft & Parts	---	---	Other Pub Admin	15	3.6
Other Transport Equip	32	12.9	Not Classified	66	---
Prof & Photo Equip/Watches	---	---			
Toys/Amusement/Sporting Goods	---	---			
Misc & NEC Industries	14	42.7			
Trans/Comm/PU					
Trucking/Warehousing/Storage	52	14.1			
Other Transportation	230	31.9			
Telephone Communications	3	1.9			
Other Communications	---	---			
Electric Light and Power	18	11.4			
Other Utility/Sanitary Service	21	8.2			
Wholesale Trade	34	3.5			

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for “unknown” or “not classified” categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table LA-6. Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Occupation Groupings, Louisiana, 1983-1995.**

DETAILED OCCUPATION	NO. OF DEATHS	RATE
Exec/Adm/Mgr		
Officials & Administrators, Public Admin	---	---
Other Executive, Admin & Managerial	69	3.8
Management Related Occupations	12	2.1
Prof/Spec		
Engineers	27	8.9
Mathematical and Computer Scientists	---	---
Natural Scientists	---	---
Health Diagnosing Occupations	3	1.8
Health Assessment and Treatment Occupations	3	0.7
Teachers, College and University	---	---
Teachers, Except College and University	---	---
Lawyers and Judges	5	2.9
Other Professional Specialty Occupations	26	4.3
Tech/Support		
Health Technologists and Technicians	4	1.2
Engineering and Science Technicians	11	4.4
Technicians, Exc Health/Engineering/Science	48	24.4
Sales		
Supervisors and Proprietors, Sales Occupations	35	4.1
Sales Reps, Finance and Business Services	8	2.1
Sales Reps, Commodities, Except Retail	4	1.3
Sales Workers, Retail & Personal Services	14	1.0
Sales Related Occupations	---	---
Clerical		
Supervisors, Administrative Support	---	---
Computer Equipment Operators	---	---
Secretaries, Stenographers, and Typists	---	---
Financial Records Processing	---	---
Mail and Message Distribution	4	2.2
Other Admin. Support, Including Clerical	16	1.0

DETAILED OCCUPATION	NO. OF DEATHS	RATE
Service		
Private Household Service Occupations	---	---
Protective Service	36	6.7
Food Service	20	2.0
Health Service	---	---
Cleaning and Building Service	15	2.6
Personal Service	6	1.3
Farm/For/Fish		
Farm Operators and Managers	41	20.4
Farm Workers and Related Occupations	36	8.5
Forestry and Fishing Occupations	142	150.7
Crafts		
Mechanics and Repairers	93	10.3
Construction Trades	170	14.5
Other Precision Production, Craft, and Repair	187	24.4
Mach Operators		
Machine Operators/Tenders, Except Precision	60	10.8
Fabricators, Assemblers, Inspectors, Samplers	39	8.7
Transport		
Motor Vehicle Operators	109	13.2
Other Transport and Material Moving Occ	226	51.9
Laborers		
Construction Laborers	78	50.5
Freight, Stock, & Materials Handlers	22	6.6
Other Handlers, Equip. Cleaner, Helper, Laborer	104	23.0
Other or Not Classified	35	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for "unknown" or "not classified" categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

## State of Maine

### Traumatic Occupational Fatalities (1980-1995):

Number: 404

Rate: 4.6 per 100,000 workers

### Leading Causes of Death (1980-1995):

Motor Vehicle - 109

Struck by Falling Object - 55

### Industries with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Manufacturing - 76

Rate: Agriculture/Forestry/Fisheries - 15.1 per 100,000 workers

### Occupation with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Farming/Forestry/Fishing - 60

Rate: Farming/Forestry/Fishing - 22.5 per 100,000 workers

*Table ME-1. Number and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Year, Maine, 1980-1995.*

YEAR OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
1980	49	10.4
1981	31	6.5
1982	27	5.7
1983	18	3.7
1984	23	4.4
1985	29	5.5
1986	30	5.6
1987	26	4.6
1988	38	6.7
1989	32	5.4
1990	24	4.0
1991	20	3.4
1992	13	2.2
1993	22	3.8
1994	13	2.3
1995	9	1.5
<b>Total</b>	<b>404</b>	<b>4.6</b>

**Table ME-2.** Number<sup>\*†‡</sup> and Rate<sup>§</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Sex, Race, and Age Group, Maine, 1980-1995.

DEMOGRAPHICS	Total		YEAR OF DEATH					
			1980-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Sex								
Male	388	8.1	172	10.4	140	9.0	76	4.9
Female	16	0.4	---	---	10	0.8	---	---
Race								
White	397	4.6	175	6.0	145	5.1	77	2.6
Black	---	---	---	---	---	---	---	---
Other	4	6.4	---	---	---	---	---	---
Age Group								
16-17	6	2.5	---	---	3	3.6	---	---
18-19	13	4.0	10	7.5	3	3.1	---	---
20-24	57	5.8	29	7.5	22	7.1	6	2.1
25-34	108	4.8	49	6.1	39	5.2	20	2.9
35-44	73	3.2	28	4.4	25	3.2	20	2.3
45-54	66	4.4	23	4.9	29	6.6	14	2.4
55-64	51	5.6	23	6.8	19	6.2	9	3.3
65+	30	11.9	13	16.9	10	10.4	7	8.8

\*Numbers not reported for cells with less than 3 deaths.

†Numbers not reported for "unknown" categories.

‡Numbers and rates not reported for some cells with 3 or more deaths to meet confidentiality requirements.

§Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table ME-3.** Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Cause of Death, Maine, 1980-1995.

CAUSE OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
Motor Vehicle	109	1.2
Struck by Falling Object	55	0.6
Machine	52	0.6
Fall	45	0.5
Water Transport	27	0.3
Electrocution	19	0.2
Homicide	15	0.2
Flying Object/Caught In	14	0.2
Drowning	13	0.1
Explosion	9	0.1
Nature/Environment	9	0.1
Suicide	9	0.1
Air Transport	8	0.1
Suffocation	6	0.1
Fire	---	---
Poisoning	---	---
Rail Transport	---	---
Other	10	0.1
Unknown/Undetermined	---	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for “unknown” or “not classified” categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table ME-4.** Number<sup>\*†</sup> and Rate<sup>†‡§</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Industry and Occupation Division, Maine, 1983-1995.

INDUSTRY/ OCCUPATION DIVISION	Total		YEAR OF DEATH					
			1983-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Industry Division								
Ag/For/Fish	33	15.1	6	13.8	10	12.7	17	17.8
Mining	---	---	---	---	---	---	---	---
Construction	64	12.0	15	14.5	40	16.7	9	4.7
Manufacturing	76	5.1	20	5.2	38	6.5	18	3.4
Trans/Comm/PU	48	11.4	16	18.3	21	12.7	11	6.5
Wholesale Trade	8	3.5	---	---	4	4.5	---	---
Retail Trade	13	1.0	---	---	8	1.6	---	---
Finance/Insur/RE	---	---	---	---	---	---	---	---
Services	25	1.0	7	1.5	9	1.0	9	0.9
Public Admin	11	3.8	---	---	9	8.0	---	---
Not Classified	18	---	3	---	10	---	5	---
Occupation Division								
Exec/Adm/Mgr	10	1.2	---	---	6	1.9	4	1.1
Prof/Spec	14	1.5	3	1.6	5	1.4	6	1.5
Tech/Support	6	3.0	3	9.1	3	4.1	---	---
Sales	19	2.3	3	1.7	10	3.1	6	1.7
Clerical	4	0.4	---	---	---	---	---	---
Service	13	1.3	---	---	9	2.3	---	---
Farm/For/Fish	60	22.5	14	25.6	24	24.5	22	19.3
Crafts	53	5.6	14	6.6	29	7.6	10	2.9
Mach Operators	20	3.2	7	3.9	8	3.4	5	2.4
Transport	58	17.3	13	18.7	33	24.5	12	9.2
Laborers	23	6.8	6	7.9	11	7.8	6	4.9
Not Classified	17	---	4	---	9	---	4	---

\*Numbers not reported for cells with less than 3 deaths.

†Numbers and rates not reported for some cells with 3 or more deaths to meet confidentiality requirements.

‡Rates not calculated for "unknown" or "not classified" categories.

§Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table ME-5.** Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Industry Groupings, Maine, 1983-1995.

DETAILED INDUSTRY	NO. OF DEATHS	RATE	DETAILED INDUSTRY	NO. OF DEATHS	RATE
Ag/For/Fish			Retail Trade		
Ag Production	8	7.4	Food Stores	3	1.2
Ag Services	3	6.7	Motor Veh/Auto Supply Dealer	---	---
Forestry & Fisheries	22	33.9	Apparel & Accessory Stores	---	---
Mining			Eating & Drinking Places	---	---
Metal/Coal/Nonmetal Mining	---	---	Other Retail Trade	8	1.5
Oil and Gas Extraction	---	---	Finance/Insur/RE		
Construction	64	12.0	Banking and Other Finance	---	---
Manufacturing			Insurance and Real Estate	---	---
Food & Kindred Prod	6	6.5	Services		
Textile Mill Prod	3	3.6	Business Services	3	2.0
Apparel & Other Textile Pr	---	---	Automobile and Repair Services	10	8.4
Paper & Allied Products	9	3.9	Private Household Services	---	---
Printing/Publishing/Allied	---	---	Pers Serv Exc Priv Household	---	---
Chemical/Petroleum/Rubber	---	---	Entertainment & Rec Services	---	---
Lumber & Wood	41	22.6	Hospitals	---	---
Furniture	---	---	Health Services, Exc Hosp	---	---
Stone/Clay/Concrete	---	---	Educational Services	3	0.5
Primary Metals	---	---	Other Professional Services	3	0.7
Fabricated Metals	---	---	Public Admin		
Mach, Ex Elect	4	5.6	Justice, Pub Order, & Safety	10	11.0
Elect Mach, Equip Supplies	---	---	Admin of Hum Res Programs	---	---
Motor Vehicles Equip	---	---	National Sec/Internal Affairs	---	---
Aircraft & Parts	---	---	Other Pub Admin	---	---
Other Transport Equip	---	---	Not Classified	18	---
Prof & Photo Equip/Watches	---	---			
Toys/Amusement/Sporting Goods	---	---			
Misc & NEC Industries	3	1.4			
Trans/Comm/PU					
Trucking/Warehousing/Storage	33	32.4			
Other Transportation	12	7.5			
Telephone Communications	---	---			
Other Communications	---	---			
Electric Light and Power	---	---			
Other Utility/Sanitary Service	---	---			
Wholesale Trade	8	3.5			

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for “unknown” or “not classified” categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table ME-6.** Number\* and Average Annual Rate<sup>††</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Occupation Groupings, Maine, 1983-1995.



DETAILED OCCUPATION	NO. OF DEATHS	RATE
Exec/Adm/Mgr		
Officials & Administrators, Public Admin	---	---
Other Executive, Admin & Managerial	9	1.5
Management Related Occupations	---	---
Prof/Spec		
Engineers	5	5.8
Mathematical and Computer Scientists	---	---
Natural Scientists	---	---
Health Diagnosing Occupations	---	---
Health Assessment and Treatment Occupations	3	1.7
Teachers, College and University	---	---
Teachers, Except College and University	---	---
Lawyers and Judges	---	---
Other Professional Specialty Occupations	5	2.2
Tech/Support		
Health Technologists and Technicians	---	---
Engineering and Science Technicians	---	---
Technicians, Exc Health/Engineering/Science	4	8.6
Sales		
Supervisors and Proprietors, Sales Occupations	14	5.1
Sales Reps, Finance and Business Services	---	---
Sales Reps, Commodities, Except Retail	---	---
Sales Workers, Retail & Personal Services	4	1.0
Sales Related Occupations	---	---
Clerical		
Supervisors, Administrative Support	---	---
Computer Equipment Operators	---	---
Secretaries, Stenographers, and Typists	---	---
Financial Records Processing	---	---
Mail and Message Distribution	---	---
Other Admin. Support, Including Clerical	3	0.7

DETAILED OCCUPATION	NO. OF DEATHS	RATE
Service		
Private Household Service Occupations	---	---
Protective Service	11	13.4
Food Service	---	---
Health Service	---	---
Cleaning and Building Service	---	---
Personal Service	---	---
Farm/For/Fish		
Farm Operators and Managers	6	11.9
Farm Workers and Related Occupations	6	4.9
Forestry and Fishing Occupations	48	50.9
Crafts		
Mechanics and Repairers	10	3.4
Construction Trades	34	8.5
Other Precision Production, Craft, and Repair	9	3.6
Mach Operators		
Machine Operators/Tenders, Except Precision	14	3.0
Fabricators, Assemblers, Inspectors, Samplers	6	3.8
Transport		
Motor Vehicle Operators	46	18.9
Other Transport and Material Moving Occ	12	13.2
Laborers		
Construction Laborers	11	25.0
Freight, Stock, & Materials Handlers	---	---
Other Handlers, Equip. Cleaner, Helper, Laborer	10	5.4
Other or Not Classified	17	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for "unknown" or "not classified" categories.

††Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

## State of Maryland

### Traumatic Occupational Fatalities (1980-1995):

Number: 1,213

Rate: 3.3 per 100,000 workers

### Leading Causes of Death (1980-1995):

Motor Vehicle - 261

Homicide - 260

### Industries with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Construction - 200

Rate: Mining - 30.5 per 100,000 workers

### Occupations with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Precision Production/Craft/Repair - 205

Rate: Transportation/Material Movers - 13.1 per 100,000 workers

*Table MD-1. Number and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Year, Maryland, 1980-1995.*

YEAR OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
1980	100	4.9
1981	107	5.3
1982	112	5.6
1983	96	4.7
1984	51	2.4
1985	73	3.4
1986	76	3.4
1987	91	3.9
1988	88	3.8
1989	54	2.2
1990	59	2.4
1991	73	3.0
1992	91	3.6
1993	42	1.7
1994	34	1.3
1995	66	2.6
<b>Total</b>	<b>1,213</b>	<b>3.3</b>

**Table MD-2.** Number<sup>\*†</sup> and Rate<sup>‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Sex, Race, and Age Group, Maryland, 1980-1995.

DEMOGRAPHICS	Total		YEAR OF DEATH					
			1980-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Sex								
Male	1,116	5.6	503	7.3	335	5.3	278	4.2
Female	97	0.6	36	0.7	33	0.6	28	0.5
Race								
White	902	3.3	402	4.1	270	3.1	230	2.6
Black	284	3.4	127	5.5	91	3.3	66	2.0
Other	23	2.2	10	3.5	6	1.8	7	1.6
Age Group								
16-17	7	0.9	4	1.2	---	---	---	---
18-19	29	2.4	17	3.2	8	2.1	4	1.4
20-24	158	3.6	77	4.5	50	3.6	31	2.4
25-34	302	2.9	129	3.9	96	2.9	77	2.1
35-44	275	3.0	107	3.7	89	2.9	79	2.4
45-54	198	3.0	96	4.5	48	2.4	54	2.2
55-64	159	4.5	73	5.6	51	4.7	35	3.1
65+	84	8.8	36	13.3	24	7.4	24	6.7

\*Numbers not reported for cells with less than 3 deaths.

†Numbers not reported for "unknown" categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table MD-3.** *Number and Average Annual Rate\* (per 100,000 workers) of Traumatic Occupational Fatalities by Cause of Death, Maryland, 1980-1995.*

CAUSE OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
Motor Vehicle	261	0.7
Homicide	260	0.7
Machine	145	0.4
Fall	116	0.3
Electrocution	92	0.2
Suicide	68	0.2
Struck by Falling Object	51	0.1
Flying Object/Caught In	31	0.1
Water Transport	27	0.1
Suffocation	25	0.1
Drowning	24	0.1
Explosion	21	0.1
Air Transport	19	0.1
Nature/Environment	16	< 0.1
Rail Transport	9	< 0.1
Fire	5	< 0.1
Poisoning	5	< 0.1
Other	26	0.1
Unknown\Undetermined	12	---

\*Rates not calculated for "unknown" or "not classified" categories.

**Table MD-4.** Number<sup>\*†</sup> and Rate<sup>†‡§</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Industry and Occupation Division, Maryland, 1983-1995.

INDUSTRY/ OCCUPATION DIVISION	Total		YEAR OF DEATH					
			1983-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Industry Division								
Ag/For/Fish	57	11.8	17	16.3	12	6.3	28	14.9
Mining	8	30.5	---	---	4	---	---	---
Construction	200	8.9	45	10.6	109	11.2	46	5.4
Manufacturing	88	2.8	22	3.0	34	2.6	32	2.9
Trans/Comm/PU	173	8.0	40	9.3	63	7.5	70	7.8
Wholesale Trade	15	1.5	3	1.4	7	1.6	5	1.3
Retail Trade	78	1.7	14	1.4	29	1.7	35	1.8
Finance/Insur/RE	8	0.4	---	---	4	0.5	4	0.4
Services	95	0.9	21	1.0	35	0.9	39	0.8
Public Admin	48	1.2	13	1.6	20	1.4	15	0.9
Not Classified	124	---	43	---	51	---	30	---
Occupation Division								
Exec/Adm/Mgr	55	1.2	12	1.4	22	1.3	21	1.0
Prof/Spec	29	0.6	6	0.6	11	0.6	12	0.6
Tech/Support	6	0.5	---	---	---	---	---	---
Sales	53	1.6	8	1.2	21	1.6	24	1.7
Clerical	25	0.5	7	0.6	12	0.6	6	0.3
Service	78	2.0	18	2.2	34	2.3	26	1.6
Farm/For/Fish	58	11.0	18	14.6	13	6.5	27	13.4
Crafts	205	6.1	40	5.7	91	6.7	74	5.8
Mach Operators	41	4.1	9	3.6	18	4.2	14	4.2
Transport	154	13.1	40	17.2	59	12.9	55	11.3
Laborers	111	10.5	32	15.1	55	12.5	24	5.9
Not Classified	79	---	30	---	27	---	22	---

\*Numbers not reported for cells with less than 3 deaths.

†Numbers and rates not reported for some cells with 3 or more deaths to meet confidentiality requirements.

‡Rates not calculated for "unknown" or "not classified" categories.

§Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table MD-5.** Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Industry Groupings, Maryland, 1983-1995.

DETAILED INDUSTRY	NO. OF DEATHS	RATE	DETAILED INDUSTRY	NO. OF DEATHS	RATE
Ag/For/Fish			Retail Trade		
Ag Production	33	14.5	Food Stores	17	2.3
Ag Services	16	7.0	Motor Veh/Auto Supply Dealer	13	2.4
Forestry & Fisheries	8	33.0	Apparel & Accessory Stores	---	---
Mining			Eating & Drinking Places	18	1.3
Metal/Coal/Nonmetal Mining	7	30.6	Other Retail Trade	29	1.6
Oil and Gas Extraction	---	---	Finance/Insur/RE		
Construction	200	8.9	Banking and Other Finance	5	0.6
Manufacturing			Insurance and Real Estate	3	0.2
Food & Kindred Prod	8	2.3	Services		
Textile Mill Prod	---	---	Business Services	22	1.3
Apparel & Other Textile Pr	---	---	Automobile and Repair Services	22	4.8
Paper & Allied Products	---	---	Private Household Services	---	---
Printing/Publishing/Allied	9	1.5	Pers Serv Exc Priv Household	15	1.7
Chemical/Petroleum/Rubber	6	2.3	Entertainment & Rec Services	5	1.3
Lumber & Wood	11	15.0	Hospitals	7	0.5
Furniture	---	---	Health Services, Exc Hosp	---	---
Stone/Clay/Concrete	5	4.8	Educational Services	11	0.5
Primary Metals	21	13.5	Other Professional Services	11	0.5
Fabricated Metals	3	1.8	Public Admin		
Mach, Ex Elect	---	---	Justice, Pub Order, & Safety	27	3.6
Elect Mach, Equip Supplies	3	0.8	Admin of Hum Res Programs	---	---
Motor Vehicles Equip	---	---	National Sec/Internal Affairs	5	0.5
Aircraft & Parts	3	3.9	Other Pub Admin	16	1.2
Other Transport Equip	4	3.5	Not Classified	124	---
Prof & Photo Equip/Watches	---	---			
Toys/Amusement/Sporting Goods	---	---			
Misc & NEC Industries	11	17.1			
Trans/Comm/PU					
Trucking/Warehousing/Storage	67	16.2			
Other Transportation	69	7.8			
Telephone Communications	4	1.1			
Other Communications	---	---			
Electric Light and Power	11	11.2			
Other Utility/Sanitary Service	22	7.7			
Wholesale Trade	15	1.5			

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for “unknown” or “not classified” categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table MD-6.** Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Occupation Groupings, Maryland, 1983-1995.



DETAILED OCCUPATION	NO. OF DEATHS	RATE
Exec/Adm/Mgr		
Officials & Administrators, Public Admin	---	---
Other Executive, Admin & Managerial	49	1.7
Management Related Occupations	5	0.4
Prof/Spec		
Engineers	10	1.4
Mathematical and Computer Scientists	---	---
Natural Scientists	---	---
Health Diagnosing Occupations	---	---
Health Assessment and Treatment Occupations	7	1.1
Teachers, College and University	---	---
Teachers, Except College and University	4	0.4
Lawyers and Judges	---	---
Other Professional Specialty Occupations	---	---
Tech/Support		
Health Technologists and Technicians	---	---
Engineering and Science Technicians	---	---
Technicians, Exc Health/Engineering/Science	4	0.9
Sales		
Supervisors and Proprietors, Sales Occupations	33	3.6
Sales Reps, Finance and Business Services	5	0.8
Sales Reps, Commodities, Except Retail	---	---
Sales Workers, Retail & Personal Services	13	0.9
Sales Related Occupations	---	---
Clerical		
Supervisors, Administrative Support	---	---
Computer Equipment Operators	---	---
Secretaries, Stenographers, and Typists	8	0.5
Financial Records Processing	---	---
Mail and Message Distribution	5	1.9
Other Admin. Support, Including Clerical	9	0.4

DETAILED OCCUPATION	NO. OF DEATHS	RATE
Service		
Private Household Service Occupations	---	---
Protective Service	40	5.7
Food Service	6	0.5
Health Service	3	0.6
Cleaning and Building Service	26	3.7
Personal Service	3	0.5
Farm/For/Fish		
Farm Operators and Managers	29	21.4
Farm Workers and Related Occupations	18	4.9
Forestry and Fishing Occupations	11	42.8
Crafts		
Mechanics and Repairers	47	4.2
Construction Trades	129	8.9
Other Precision Production, Craft, and Repair	29	3.8
Mach Operators		
Machine Operators/Tenders, Except Precision	25	3.6
Fabricators, Assemblers, Inspectors, Samplers	16	4.9
Transport		
Motor Vehicle Operators	117	12.7
Other Transport and Material Moving Occ	37	14.5
Laborers		
Construction Laborers	50	28.1
Freight, Stock, & Materials Handlers	19	5.3
Other Handlers, Equip. Cleaner, Helper, Laborer	42	8.1
Other or Not Classified	79	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for "unknown" or "not classified" categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

## State of Massachusetts

### Traumatic Occupational Fatalities (1980-1995):

Number: 990

Rate: 2.1 per 100,000 workers

### Leading Causes of Death (1980-1995):

Motor Vehicle - 227

Fall - 187

### Industries with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Construction - 200

Rate: Agriculture/Forestry/Fisheries - 12.1 per 100,000 workers

### Occupations with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Precision Production/Craft/Repair - 205

Rate: Farming/Forestry/Fishing - 10.4 per 100,000 workers

*Table MA-1. Number and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Year, Massachusetts, 1980-1995.*

YEAR OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
1980	68	2.4
1981	73	2.6
1982	61	2.2
1983	61	2.2
1984	20	0.7
1985	72	2.4
1986	79	2.7
1987	81	2.7
1988	59	1.9
1989	74	2.4
1990	62	2.0
1991	62	2.2
1992	40	1.4
1993	65	2.2
1994	54	1.8
1995	59	2.0
<b>Total</b>	<b>990</b>	<b>2.1</b>

**Table MA-2.** Number<sup>\*†</sup> and Rate<sup>‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Sex, Race, and Age Group, Massachusetts, 1980-1995.

DEMOGRAPHICS	Total		YEAR OF DEATH					
			1980-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Sex								
Male	937	3.7	339	3.6	337	4.2	261	3.4
Female	52	0.2	16	0.2	18	0.3	18	0.3
Race								
White	902	2.0	320	2.0	331	2.3	251	1.8
Black	48	2.9	16	2.9	15	3.0	17	2.9
Other	25	3.0	6	3.8	7	2.3	12	3.3
Age Group								
16-17	11	0.9	5	0.9	6	1.5	---	---
18-19	30	1.8	14	1.9	10	1.8	6	1.5
20-24	105	1.8	47	1.9	40	2.2	18	1.2
25-34	256	1.9	94	2.0	85	2.0	77	1.9
35-44	203	1.9	58	1.7	72	2.0	73	1.9
45-54	175	2.3	58	2.2	66	2.9	51	1.8
55-64	144	2.8	59	2.8	51	3.2	34	2.4
65+	66	4.8	20	4.3	25	5.8	21	4.5

\*Numbers not reported for cells with less than 3 deaths.

†Numbers not reported for "unknown" categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table MA-3.** *Number and Average Annual Rate\* (per 100,000 workers) of Traumatic Occupational Fatalities by Cause of Death, Massachusetts, 1980-1995.*

CAUSE OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
Motor Vehicle	227	0.5
Fall	187	0.4
Homicide	92	0.2
Electrocution	66	0.1
Machine	62	0.1
Struck by Falling Object	49	0.1
Suicide	42	0.1
Flying Object/Caught In	33	0.1
Air Transport	26	0.1
Water Transport	24	0.1
Explosion	22	< 0.1
Fire	20	< 0.1
Nature/Environment	13	< 0.1
Poisoning	11	< 0.1
Suffocation	11	< 0.1
Drowning	10	< 0.1
Rail Transport	9	< 0.1
Other	73	0.2
Unknown\Undetermined	13	---

\*Rates not calculated for "unknown" or "not classified" categories.

**Table MA-4. Number<sup>\*†</sup> and Rate<sup>†‡§</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Industry and Occupation Division, Massachusetts, 1983-1995.**

INDUSTRY/ OCCUPATION DIVISION	Total		YEAR OF DEATH					
			1983-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Industry Division								
Ag/For/Fish	46	12.1	8	9.7	14	8.7	24	17.8
Mining	3	---	---	---	---	---	---	---
Construction	200	9.3	33	7.0	98	10.5	69	9.2
Manufacturing	113	1.5	22	1.0	55	1.8	36	1.5
Trans/Comm/PU	122	5.2	23	4.4	59	6.3	40	4.6
Wholesale Trade	19	1.4	3	1.0	9	1.7	7	1.4
Retail Trade	65	1.1	15	1.1	25	1.1	25	1.0
Finance/Insur/RE	12	0.4	---	---	---	---	5	0.4
Services	107	0.8	26	0.9	42	0.8	39	0.7
Public Admin	66	4.3	12	3.4	27	4.6	27	4.6
Not Classified	35	---	9	---	20	---	6	---
Occupation Division								
Exec/Adm/Mgr	55	1.0	14	1.4	20	0.9	21	0.9
Prof/Spec	48	0.7	10	0.8	18	0.7	20	0.7
Tech/Support	16	1.1	4	1.2	6	1.1	6	1.1
Sales	49	1.1	10	1.1	22	1.2	17	1.0
Clerical	28	0.4	---	---	---	---	15	0.6
Service	89	1.8	19	1.6	33	1.8	37	1.9
Farm/For/Fish	43	10.4	8	8.5	15	8.9	20	13.4
Crafts	205	5.1	38	3.8	98	5.9	69	5.0
Mach Operators	33	1.4	7	1.0	16	1.7	10	1.4
Transport	117	9.9	20	7.0	64	13.8	33	7.6
Laborers	75	6.1	13	4.1	36	7.9	26	5.8
Not Classified	30	---	8	---	16	---	6	---

\*Numbers not reported for cells with less than 3 deaths.

†Numbers and rates not reported for some cells with 3 or more deaths to meet confidentiality requirements.

‡Rates not calculated for "unknown" or "not classified" categories.

§Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table MA-5.** Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Industry Groupings, Massachusetts, 1983-1995.

DETAILED INDUSTRY	NO. OF DEATHS	RATE	DETAILED INDUSTRY	NO. OF DEATHS	RATE
Ag/For/Fish			Retail Trade		
Ag Production	9	9.1	Food Stores	6	0.5
Ag Services	19	8.6	Motor Veh/Auto Supply Dealer	7	1.3
Forestry & Fisheries	18	30.9	Apparel & Accessory Stores	---	---
Mining			Eating & Drinking Places	17	1.0
Metal/Coal/Nonmetal Mining	3	---	Other Retail Trade	35	1.5
Oil and Gas Extraction	---	---	Finance/Insur/RE		
Construction	200	9.3	Banking and Other Finance	5	0.4
Manufacturing			Insurance and Real Estate	7	0.4
Food & Kindred Prod	15	4.9	Services		
Textile Mill Prod	---	---	Business Services	18	1.0
Apparel & Other Textile Pr	---	---	Automobile and Repair Services	23	4.4
Paper & Allied Products	5	1.6	Private Household Services	---	---
Printing/Publishing/Allied	5	0.7	Pers Serv Exc Priv Household	12	1.3
Chemical/Petroleum/Rubber	13	2.3	Entertainment & Rec Services	7	1.7
Lumber & Wood	9	13.4	Hospitals	10	0.5
Furniture	---	---	Health Services, Exc Hosp	4	0.2
Stone/Clay/Concrete	4	2.6	Educational Services	19	0.6
Primary Metals	5	3.3	Other Professional Services	14	0.5
Fabricated Metals	6	1.3	Public Admin		
Mach, Ex Elect	5	0.3	Justice, Pub Order, & Safety	46	6.9
Elect Mach, Equip Supplies	7	0.6	Admin of Hum Res Programs	---	---
Motor Vehicles Equip	---	---	National Sec/Internal Affairs	---	---
Aircraft & Parts	3	1.9	Other Pub Admin	17	3.5
Other Transport Equip	5	2.1	Not Classified	35	---
Prof & Photo Equip/Watches	---	---			
Toys/Amusement/Sporting Goods	---	---			
Misc & NEC Industries	26	7.6			
Trans/Comm/PU					
Trucking/Warehousing/Storage	51	11.1			
Other Transportation	41	4.4			
Telephone Communications	6	1.5			
Other Communications	4	3.5			
Electric Light and Power	8	3.7			
Other Utility/Sanitary Service	12	5.7			
Wholesale Trade	19	1.4			

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for “unknown” or “not classified” categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table MA-6.** Number\* and Average Annual Rate<sup>††</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Occupation Groupings, Massachusetts, 1983-1995.



DETAILED OCCUPATION	NO. OF DEATHS	RATE
Exec/Adm/Mgr		
Officials & Administrators, Public Admin	---	---
Other Executive, Admin & Managerial	50	1.4
Management Related Occupations	3	0.2
Prof/Spec		
Engineers	17	1.7
Mathematical and Computer Scientists	---	---
Natural Scientists	6	3.3
Health Diagnosing Occupations	3	0.8
Health Assessment and Treatment Occupations	---	---
Teachers, College and University	---	---
Teachers, Except College and University	7	0.5
Lawyers and Judges	---	---
Other Professional Specialty Occupations	10	0.7
Tech/Support		
Health Technologists and Technicians	3	0.6
Engineering and Science Technicians	4	0.9
Technicians, Exc Health/Engineering/Science	9	1.9
Sales		
Supervisors and Proprietors, Sales Occupations	32	2.8
Sales Reps, Finance and Business Services	3	0.4
Sales Reps, Commodities, Except Retail	---	---
Sales Workers, Retail & Personal Services	13	0.7
Sales Related Occupations	---	---
Clerical		
Supervisors, Administrative Support	---	---
Computer Equipment Operators	---	---
Secretaries, Stenographers, and Typists	---	---
Financial Records Processing	---	---
Mail and Message Distribution	6	1.7
Other Admin. Support, Including Clerical	17	0.6

DETAILED OCCUPATION	NO. OF DEATHS	RATE
Service		
Private Household Service Occupations	---	---
Protective Service	51	7.0
Food Service	13	0.7
Health Service	---	---
Cleaning and Building Service	21	2.4
Personal Service	---	---
Farm/For/Fish		
Farm Operators and Managers	8	11.6
Farm Workers and Related Occupations	15	5.2
Forestry and Fishing Occupations	20	35.0
Crafts		
Mechanics and Repairers	41	3.5
Construction Trades	133	8.7
Other Precision Production, Craft, and Repair	31	2.4
Mach Operators		
Machine Operators/Tenders, Except Precision	25	1.6
Fabricators, Assemblers, Inspectors, Samplers	8	1.0
Transport		
Motor Vehicle Operators	90	9.4
Other Transport and Material Moving Occ	27	11.8
Laborers		
Construction Laborers	47	27.3
Freight, Stock, & Materials Handlers	4	0.8
Other Handlers, Equip. Cleaner, Helper, Laborer	24	4.4
Other or Not Classified	30	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for "unknown" or "not classified" categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

## State of Michigan

### Traumatic Occupational Fatalities (1980-1995):

Number: 2,433

Rate: 3.7 per 100,000 workers

### Leading Causes of Death (1980-1995):

Homicide - 464

Motor Vehicle - 440

### Industries with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Manufacturing - 397

Rate: Mining - 24.7 per 100,000 workers

### Occupations with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Precision Production/Craft/Repair - 421

Rate: Farming/Forestry/Fishing - 14.3 per 100,000 workers

**Table MI-1.** *Number and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Year, Michigan, 1980-1995.*

YEAR OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
1980	168	4.4
1981	170	4.4
1982	177	4.9
1983	152	4.1
1984	134	3.5
1985	184	4.7
1986	168	4.2
1987	171	4.1
1988	166	3.9
1989	133	3.1
1990	134	3.2
1991	116	2.8
1992	127	3.0
1993	144	3.3
1994	163	3.6
1995	126	2.8
<b>Total</b>	<b>2,433</b>	<b>3.7</b>

**Table MI-2.** *Number\* and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Sex, Race, and Age Group, Michigan, 1980-1995.*

DEMOGRAPHICS	Total		YEAR OF DEATH					
			1980-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Sex								
Male	2,234	6.1	910	6.9	711	6.1	613	5.2
Female	199	0.7	75	0.8	61	0.7	63	0.6
Race								
White	2,074	3.6	844	4.1	657	3.5	573	3.0
Black	313	4.9	131	6.5	99	4.8	83	3.6
Other	43	4.0	10	3.8	13	3.6	20	4.4
Age Group								
16-17	22	1.2	12	1.7	4	0.7	6	1.1
18-19	76	2.8	31	2.8	22	2.5	23	3.1
20-24	267	3.3	125	4.1	88	3.4	54	2.2
25-34	644	3.6	261	4.2	213	3.5	170	3.0
35-44	491	3.1	167	3.4	165	3.3	159	2.7
45-54	435	3.9	160	4.3	129	3.8	146	3.7
55-64	335	5.3	161	6.4	94	4.8	80	4.2
65+	159	11.4	64	13.0	57	14.4	38	7.5

\*Numbers not reported for "unknown" categories.

**Table MI-3.** *Number and Average Annual Rate\* (per 100,000 workers) of Traumatic Occupational Fatalities by Cause of Death, Michigan, 1980-1995.*

CAUSE OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
Homicide	464	0.7
Motor Vehicle	440	0.7
Machine	337	0.5
Fall	252	0.4
Electrocution	182	0.3
Struck by Falling Object	127	0.2
Suicide	107	0.2
Nature/Environment	73	0.1
Flying Object/Caught In	68	0.1
Air Transport	62	0.1
Fire	50	0.1
Poisoning	48	0.1
Explosion	47	0.1
Suffocation	40	0.1
Drowning	27	< 0.1
Water Transport	20	< 0.1
Rail Transport	16	< 0.1
Other	52	0.1
Unknown\Undetermined	21	---

\*Rates not calculated for "unknown" or "not classified" categories.

**Table MI-4.** Number and Rate\* (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Industry and Occupation Division, Michigan, 1983-1995.

INDUSTRY/ OCCUPATION DIVISION	Total		YEAR OF DEATH					
			1983-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Industry Division								
Ag/For/Fish	154	13.0	53	19.4	49	10.7	52	11.6
Mining	22	24.7	8	32.9	11	32.2	3	9.9
Construction	303	11.1	55	10.7	136	12.5	112	9.9
Manufacturing	397	2.9	84	2.6	174	3.2	139	2.7
Trans/Comm/PU	285	9.9	74	11.7	112	10.3	99	8.5
Wholesale Trade	57	2.9	12	2.7	20	2.6	25	3.4
Retail Trade	235	2.4	56	2.8	88	2.3	91	2.3
Finance/Insur/RE	30	1.1	8	1.4	12	1.1	10	0.9
Services	252	1.5	69	2.0	90	1.4	93	1.3
Public Admin	94	4.8	22	5.6	43	5.9	29	3.4
Not Classified	89	---	29	---	37	---	23	---
Occupation Division								
Exec/Adm/Mgr	132	2.2	33	3.0	43	1.9	56	2.2
Prof/Spec	74	1.1	16	1.2	27	1.0	31	1.0
Tech/Support	43	2.6	10	2.9	18	2.8	15	2.2
Sales	168	2.6	44	3.4	64	2.6	60	2.3
Clerical	48	0.6	11	0.6	20	0.6	17	0.5
Service	166	2.2	35	2.0	81	2.7	50	1.7
Farm/For/Fish	180	14.3	59	20.5	65	13.0	56	11.8
Crafts	421	6.5	92	6.5	174	7.0	155	6.1
Mach Operators	134	2.5	23	1.8	60	2.8	51	2.6
Transport	279	12.6	76	16.4	108	11.9	95	11.4
Laborers	206	9.3	51	11.0	85	9.9	70	7.8
Not Classified	67	---	20	---	27	---	20	---

\*Rates not calculated for "unknown" or "not classified" categories.

**Table MI-5.** Number\* and Average Annual Rate<sup>††</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Industry Groupings, Michigan, 1983-1995.

DETAILED INDUSTRY	NO. OF DEATHS	RATE	DETAILED INDUSTRY	NO. OF DEATHS	RATE
Ag/For/Fish			Retail Trade		
Ag Production	125	15.7	Food Stores	54	3.6
Ag Services	17	5.2	Motor Veh/Auto Supply Dealer	50	4.9
Forestry & Fisheries	12	20.5	Apparel & Accessory Stores	4	0.9
Mining			Eating & Drinking Places	50	1.6
Metal/Coal/Nonmetal Mining	10	26.9	Other Retail Trade	77	2.1
Oil and Gas Extraction	12	23.2	Finance/Insur/RE		
Construction	303	11.1	Banking and Other Finance	9	0.7
Manufacturing			Insurance and Real Estate	21	1.3
Food & Kindred Prod	21	3.2	Services		
Textile Mill Prod	---	---	Business Services	41	2.0
Apparel & Other Textile Pr	---	---	Automobile and Repair Services	71	8.2
Paper & Allied Products	7	2.0	Private Household Services	6	1.1
Printing/Publishing/Allied	15	2.2	Pers Serv Exc Priv Household	22	1.7
Chemical/Petroleum/Rubber	27	2.0	Entertainment & Rec Services	17	2.6
Lumber & Wood	44	19.0	Hospitals	15	0.6
Furniture	4	0.9	Health Services, Exc Hosp	14	0.7
Stone/Clay/Concrete	4	1.6	Educational Services	33	0.8
Primary Metals	56	9.2	Other Professional Services	33	1.2
Fabricated Metals	18	1.7	Public Admin		
Mach, Ex Elect	25	1.5	Justice, Pub Order, & Safety	66	8.0
Elect Mach, Equip Supplies	8	1.8	Admin of Hum Res Programs	---	---
Motor Vehicles Equip	108	2.1	National Sec/Internal Affairs	3	2.4
Aircraft & Parts	3	2.8	Other Pub Admin	24	3.6
Other Transport Equip	4	2.1	Not Classified	89	---
Prof & Photo Equip/Watches	---	---			
Toys/Amusement/Sporting Goods	---	---			
Misc & NEC Industries	50	26.9			
Trans/Comm/PU					
Trucking/Warehousing/Storage	111	13.9			
Other Transportation	98	10.2			
Telephone Communications	4	1.2			
Other Communications	7	4.8			
Electric Light and Power	34	11.5			
Other Utility/Sanitary Service	31	9.0			
Wholesale Trade	57	2.9			

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for "unknown" or "not classified" categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table MI-6.** Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Occupation Groupings, Michigan, 1983-1995.

DETAILED OCCUPATION	NO. OF DEATHS	RATE
Exec/Adm/Mgr		
Officials & Administrators, Public Admin	3	1.3
Other Executive, Admin & Managerial	117	2.8
Management Related Occupations	12	0.8
Prof/Spec		
Engineers	22	1.9
Mathematical and Computer Scientists	---	---
Natural Scientists	---	---
Health Diagnosing Occupations	5	1.4
Health Assessment and Treatment Occupations	7	0.7
Teachers, College and University	---	---
Teachers, Except College and University	11	0.6
Lawyers and Judges	6	2.2
Other Professional Specialty Occupations	19	1.2
Tech/Support		
Health Technologists and Technicians	5	0.8
Engineering and Science Technicians	8	1.4
Technicians, Exc Health/Engineering/Science	30	6.8
Sales		
Supervisors and Proprietors, Sales Occupations	102	6.2
Sales Reps, Finance and Business Services	10	1.1
Sales Reps, Commodities, Except Retail	8	1.1
Sales Workers, Retail & Personal Services	47	1.5
Sales Related Occupations	---	---
Clerical		
Supervisors, Administrative Support	3	1.0
Computer Equipment Operators	---	---
Secretaries, Stenographers, and Typists	5	0.2
Financial Records Processing	---	---
Mail and Message Distribution	9	2.2
Other Admin. Support, Including Clerical	29	0.8

DETAILED OCCUPATION	NO. OF DEATHS	RATE
Service		
Private Household Service Occupations	---	---
Protective Service	81	9.6
Food Service	14	0.5
Health Service	5	0.5
Cleaning and Building Service	47	3.3
Personal Service	18	1.6
Farm/For/Fish		
Farm Operators and Managers	104	22.8
Farm Workers and Related Occupations	44	6.1
Forestry and Fishing Occupations	32	40.7
Crafts		
Mechanics and Repairers	128	5.7
Construction Trades	206	10.9
Other Precision Production, Craft, and Repair	87	3.8
Mach Operators		
Machine Operators/Tenders, Except Precision	83	2.7
Fabricators, Assemblers, Inspectors, Samplers	51	2.2
Transport		
Motor Vehicle Operators	204	13.0
Other Transport and Material Moving Occ	75	11.7
Laborers		
Construction Laborers	74	26.7
Freight, Stock, & Materials Handlers	15	1.6
Other Handlers, Equip. Cleaner, Helper, Laborer	117	11.8
Other or Not Classified	67	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for "unknown" or "not classified" categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

## State of Minnesota

### Traumatic Occupational Fatalities (1980-1995):

Number: 1,093

Rate: 3.1 per 100,000 workers

### Leading Causes of Death (1980-1995):

Machine - 288

Fall - 125

### Industry with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Agriculture/Forestry/Fisheries - 232

Rate: Agriculture/Forestry/Fisheries - 13.1 per 100,000 workers

### Occupation with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Farming/Forestry/Fishing - 248

Rate: Farming/Forestry/Fishing - 13.9 per 100,000 workers

*Table MN-1. Number and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Year, Minnesota, 1980-1995.*

YEAR OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
1980	94	4.6
1981	86	4.1
1982	72	3.6
1983	63	3.1
1984	74	3.6
1985	68	3.2
1986	54	2.5
1987	87	4.1
1988	61	2.7
1989	61	2.7
1990	54	2.4
1991	49	2.1
1992	61	2.7
1993	83	3.5
1994	54	2.2
1995	72	2.9
<b>Total</b>	<b>1,093</b>	<b>3.1</b>

**Table MN-2.** Number<sup>\*†‡</sup> and Rate<sup>§</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Sex, Race, and Age Group, Minnesota, 1980-1995.

DEMOGRAPHICS	Total		YEAR OF DEATH					
			1980-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Sex								
Male	1,051	5.5	443	6.5	303	5.1	305	4.9
Female	42	0.3	14	0.3	14	0.3	14	0.2
Race								
White	1,063	3.1	452	3.8	308	2.9	303	2.7
Black	10	1.7	3	2.0	4	2.2	3	1.1
Other	17	3.1	---	---	---	---	13	5.4
Age Group								
16-17	14	1.3	6	1.3	4	1.1	4	1.3
18-19	19	1.3	9	1.5	5	1.2	5	1.2
20-24	108	2.5	54	3.0	33	2.6	21	1.6
25-34	260	2.5	97	2.6	82	2.4	81	2.5
35-44	220	2.7	73	3.1	76	2.8	71	2.2
45-54	169	3.1	76	4.2	41	2.7	52	2.5
55-64	162	4.9	90	7.4	30	2.9	42	4.0
65+	141	14.2	52	14.6	46	15.5	43	12.7

\*Numbers not reported for cells with less than 3 deaths.

†Numbers not reported for "unknown" categories.

‡Numbers and rates not reported for some cells with 3 or more deaths to meet confidentiality requirements.

§Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table MN-3.** *Number and Average Annual Rate\* (per 100,000 workers) of Traumatic Occupational Fatalities by Cause of Death, Minnesota, 1980-1995.*

CAUSE OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
Machine	288	0.8
Fall	125	0.4
Motor Vehicle	94	0.3
Electrocution	88	0.3
Suicide	84	0.2
Homicide	78	0.2
Struck by Falling Object	76	0.2
Nature/Environment	59	0.2
Suffocation	45	0.1
Flying Object/Caught In	27	0.1
Air Transport	21	0.1
Explosion	21	0.1
Fire	20	0.1
Poisoning	19	0.1
Rail Transport	8	< 0.1
Drowning	6	< 0.1
Water Transport	5	< 0.1
Other	19	0.1
Unknown\Undetermined	10	---

\*Rates not calculated for "unknown" or "not classified" categories.

**Table MN-4.** Number<sup>\*†</sup> and Rate<sup>†‡§</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Industry and Occupation Division, Minnesota, 1983-1995.

INDUSTRY/ OCCUPATION DIVISION	Total		YEAR OF DEATH					
			1983-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Industry Division								
Ag/For/Fish	232	13.1	70	17.6	87	11.9	75	11.7
Mining	10	12.3	3	13.3	4	14.6	3	9.6
Construction	181	11.5	48	13.9	75	12.1	58	9.6
Manufacturing	121	2.5	31	2.8	45	2.4	45	2.3
Trans/Comm/PU	87	4.5	16	3.7	33	4.6	38	5.0
Wholesale Trade	27	2.2	5	1.8	8	1.8	14	2.7
Retail Trade	40	0.8	6	0.5	10	0.6	24	1.2
Finance/Insur/RE	4	0.2	---	---	---	---	---	---
Services	60	0.6	7	0.4	18	0.5	35	0.8
Public Admin	23	2.5	4	2.0	7	2.2	12	3.0
Not Classified	56	---	12	---	30	---	14	---
Occupation Division								
Exec/Adm/Mgr	38	1.1	4	0.6	11	0.9	23	1.6
Prof/Spec	34	0.9	8	1.0	9	0.6	17	1.1
Tech/Support	16	1.6	7	3.5	6	1.6	3	0.7
Sales	38	1.1	8	1.1	9	0.7	21	1.5
Clerical	8	0.2	---	---	4	0.2	---	---
Service	30	0.7	5	0.5	7	0.5	18	1.1
Farm/For/Fish	248	13.9	71	17.5	95	13.0	82	12.7
Crafts	153	5.2	36	5.2	64	5.7	53	4.6
Mach Operators	38	2.2	11	3.1	17	2.6	10	1.4
Transport	110	10.0	26	10.5	32	7.9	52	11.7
Laborers	78	6.6	18	7.3	34	7.3	26	5.5
Not Classified	50	---	9	---	29	---	12	---

\*Numbers not reported for cells with less than 3 deaths.

†Numbers and rates not reported for some cells with 3 or more deaths to meet confidentiality requirements.

‡Rates not calculated for "unknown" or "not classified" categories.

§Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table MN-5.** Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Industry Groupings, Minnesota, 1983-1995.

DETAILED INDUSTRY	NO. OF DEATHS	RATE	DETAILED INDUSTRY	NO. OF DEATHS	RATE
Ag/For/Fish			Retail Trade		
Ag Production	218	13.5	Food Stores	9	1.3
Ag Services	12	8.2	Motor Veh/Auto Supply Dealer	6	1.2
Forestry & Fisheries	---	---	Apparel & Accessory Stores	---	---
Mining			Eating & Drinking Places	6	0.4
Metal/Coal/Nonmetal Mining	7	9.1	Other Retail Trade	18	0.9
Oil and Gas Extraction	3	---	Finance/Insur/RE		
Construction	181	11.5	Banking and Other Finance	---	---
Manufacturing			Insurance and Real Estate	---	---
Food & Kindred Prod	16	2.5	Services		
Textile Mill Prod	3	9.7	Business Services	14	1.2
Apparel & Other Textile Pr	---	---	Automobile and Repair Services	12	2.7
Paper & Allied Products	7	3.0	Private Household Services	---	---
Printing/Publishing/Allied	---	---	Pers Serv Exc Priv Household	6	0.7
Chemical/Petroleum/Rubber	9	2.0	Entertainment & Rec Services	---	---
Lumber & Wood	27	16.0	Hospitals	---	---
Furniture	---	---	Health Services, Exc Hosp	3	0.2
Stone/Clay/Concrete	9	6.8	Educational Services	11	0.5
Primary Metals	7	7.9	Other Professional Services	9	0.4
Fabricated Metals	5	1.4	Public Admin		
Mach, Ex Elect	13	1.2	Justice, Pub Order, & Safety	14	4.5
Elect Mach, Equip Supplies	5	1.3	Admin of Hum Res Programs	---	---
Motor Vehicles Equip	---	---	National Sec/Internal Affairs	---	---
Aircraft & Parts	---	---	Other Pub Admin	7	1.5
Other Transport Equip	7	20.5	Not Classified	57	---
Prof & Photo Equip/Watches	---	---			
Toys/Amusement/Sporting Goods	---	---			
Misc & NEC Industries	11	8.3			
Trans/Comm/PU					
Trucking/Warehousing/Storage	39	7.6			
Other Transportation	29	3.4			
Telephone Communications	---	---			
Other Communications	---	---			
Electric Light and Power	11	7.9			
Other Utility/Sanitary Service	6	4.1			
Wholesale Trade	27	2.2			

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for “unknown” or “not classified” categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table MN-6.** Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Occupation Groupings, Minnesota, 1983-1995.



DETAILED OCCUPATION	NO. OF DEATHS	RATE
Exec/Adm/Mgr		
Officials & Administrators, Public Admin	---	---
Other Executive, Admin & Managerial	34	1.5
Management Related Occupations	---	---
Prof/Spec		
Engineers	6	1.5
Mathematical and Computer Scientists	---	---
Natural Scientists	3	3.4
Health Diagnosing Occupations	3	1.8
Health Assessment and Treatment Occupations	---	---
Teachers, College and University	---	---
Teachers, Except College and University	7	0.7
Lawyers and Judges	---	---
Other Professional Specialty Occupations	10	1.0
Tech/Support		
Health Technologists and Technicians	---	---
Engineering and Science Technicians	5	1.6
Technicians, Exc Health/Engineering/Science	10	3.1
Sales		
Supervisors and Proprietors, Sales Occupations	22	2.8
Sales Reps, Finance and Business Services	---	---
Sales Reps, Commodities, Except Retail	5	1.2
Sales Workers, Retail & Personal Services	10	0.7
Sales Related Occupations	---	---
Clerical		
Supervisors, Administrative Support	---	---
Computer Equipment Operators	---	---
Secretaries, Stenographers, and Typists	---	---
Financial Records Processing	---	---
Mail and Message Distribution	---	---
Other Admin. Support, Including Clerical	6	0.3

DETAILED OCCUPATION	NO. OF DEATHS	RATE
Service		
Private Household Service Occupations	---	---
Protective Service	16	6.0
Food Service	---	---
Health Service	---	---
Cleaning and Building Service	12	1.5
Personal Service	---	---
Farm/For/Fish		
Farm Operators and Managers	206	18.8
Farm Workers and Related Occupations	18	2.8
Forestry and Fishing Occupations	24	72.8
Crafts		
Mechanics and Repairers	41	4.4
Construction Trades	89	8.3
Other Precision Production, Craft, and Repair	23	2.4
Mach Operators		
Machine Operators/Tenders, Except Precision	26	2.5
Fabricators, Assemblers, Inspectors, Samplers	12	1.8
Transport		
Motor Vehicle Operators	72	8.6
Other Transport and Material Moving Occ	38	14.3
Laborers		
Construction Laborers	42	32.0
Freight, Stock, & Materials Handlers	---	---
Other Handlers, Equip. Cleaner, Helper, Laborer	34	5.6
Other or Not Classified	50	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for "unknown" or "not classified" categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

## State of Mississippi

### Traumatic Occupational Fatalities (1980-1995):

Number: 1,683

Rate: 10.1 per 100,000 workers

### Leading Causes of Death (1980-1995):

Motor Vehicle - 508

Homicide - 246

### Industries with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Manufacturing - 269

Rate: Agriculture/Forestry/Fisheries - 28.5 per 100,000 workers

### Occupations with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Transportation/Material Movers - 267

Rate: Farming/Forestry/Fishing - 40.3 per 100,000 workers

**Table MS-1.** *Number and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Year, Mississippi, 1980-1995.*

YEAR OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
1980	134	13.8
1981	116	12.1
1982	100	10.7
1983	85	9.2
1984	86	8.9
1985	93	9.2
1986	95	9.3
1987	120	11.5
1988	109	10.4
1989	117	10.8
1990	99	9.0
1991	87	8.0
1992	106	9.7
1993	111	9.7
1994	107	9.2
1995	118	10.0
<b>Total</b>	<b>1,683</b>	<b>10.1</b>

*Table MS-2. Number\* and Rate† (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Sex, Race, and Age Group, Mississippi, 1980-1995.*

DEMOGRAPHICS	Total		YEAR OF DEATH					
	No.	Rate	1980-85		1986-90		1991-95	
			No.	Rate	No.	Rate	No.	Rate
Sex								
Male	1,564	16.9	568	17.4	503	17.1	493	16.1
Female	119	1.6	46	1.8	37	1.6	36	1.4
Race								
White	1,141	9.7	410	9.8	356	9.7	375	9.7
Black	507	10.4	194	12.6	173	10.9	140	8.0
Other	27	37.1	9	---	8	33.5	10	30.3
Age Group								
16-17	23	7.8	10	8.7	8	9.4	5	5.3
18-19	40	7.3	17	8.3	12	7.2	11	6.3
20-24	160	7.7	65	8.4	66	10.0	29	4.5
25-34	373	7.7	137	8.3	133	8.3	103	6.4
35-44	397	9.9	135	11.3	119	9.3	143	9.3
45-54	303	11.1	96	10.4	91	10.8	116	12.0
55-64	242	14.6	96	14.4	66	13.5	80	16.2
65+	143	26.9	57	25.5	45	27.4	41	28.4

\*Numbers not reported for "unknown" categories.

†Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table MS-3.** *Number and Average Annual Rate\* (per 100,000 workers) of Traumatic Occupational Fatalities by Cause of Death, Mississippi, 1980-1995.*

CAUSE OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
Motor Vehicle	508	3.0
Homicide	246	1.5
Machine	178	1.1
Struck by Falling Object	164	1.0
Fall	95	0.6
Electrocution	90	0.5
Explosion	46	0.3
Nature/Environment	45	0.3
Suicide	44	0.3
Water Transport	33	0.2
Air Transport	29	0.2
Fire	27	0.2
Drowning	25	0.1
Suffocation	25	0.1
Flying Object/Caught In	24	0.1
Poisoning	24	0.1
Rail Transport	9	0.1
Other	62	0.4
Unknown\Undetermined	9	---

\*Rates not calculated for “unknown” or “not classified” categories.

**Table MS-4.** Number<sup>\*†</sup> and Rate<sup>†‡§</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Industry and Occupation Division, Mississippi, 1983-1995.

INDUSTRY/ OCCUPATION DIVISION	Total		YEAR OF DEATH					
			1983-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Industry Division								
Ag/For/Fish	146	28.5	35	30.1	66	36.5	45	20.9
Mining	33	14.7	17	25.6	8	10.8	8	9.5
Construction	189	19.4	32	15.2	82	21.9	75	19.2
Manufacturing	269	8.8	49	7.3	110	9.4	110	9.1
Trans/Comm/PU	205	21.6	38	19.0	76	21.0	91	23.4
Wholesale Trade	41	7.6	6	5.5	16	7.0	19	9.5
Retail Trade	160	7.1	30	6.5	62	7.1	68	7.5
Finance/Insur/RE	17	2.7	3	2.2	8	3.2	6	2.4
Services	124	3.0	27	3.3	40	2.6	57	3.3
Public Admin	72	11.6	11	10.4	36	14.5	25	9.4
Not Classified	77	---	16	---	36	---	25	---
Occupation Division								
Exec/Adm/Mgr	65	4.9	12	4.9	26	5.2	27	4.7
Prof/Spec	48	3.0	8	2.5	13	2.2	27	4.0
Tech/Support	13	3.3	---	---	8	5.1	---	---
Sales	135	8.5	24	7.1	49	8.0	62	9.8
Clerical	26	1.4	5	1.3	8	1.1	13	1.7
Service	97	5.6	17	4.8	41	6.4	39	5.3
Farm/For/Fish	222	40.3	49	36.0	98	49.2	75	34.8
Crafts	175	9.6	33	8.4	66	9.5	76	10.2
Mach Operators	69	4.8	16	4.9	23	4.3	30	5.2
Transport	267	30.0	45	23.6	114	31.2	108	32.3
Laborers	151	21.2	35	23.9	61	21.2	55	19.7
Not Classified	65	---	18	---	33	---	14	---

\*Numbers not reported for cells with less than 3 deaths.

†Numbers and rates not reported for some cells with 3 or more deaths to meet confidentiality requirements.

‡Rates not calculated for "unknown" or "not classified" categories.

§Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table MS-5.** Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Industry Groupings, Mississippi, 1983-1995.

DETAILED INDUSTRY	NO. OF DEATHS	RATE	DETAILED INDUSTRY	NO. OF DEATHS	RATE
Ag/For/Fish			Retail Trade		
Ag Production	108	27.4	Food Stores	58	13.1
Ag Services	22	30.7	Motor Veh/Auto Supply Dealer	23	7.1
Forestry & Fisheries	16	34.3	Apparel & Accessory Stores	---	---
Mining			Eating & Drinking Places	19	3.5
Metal/Coal/Nonmetal Mining	4	---	Other Retail Trade	58	6.9
Oil and Gas Extraction	29	13.7	Finance/Insur/RE		
Construction	189	19.4	Banking and Other Finance	4	1.2
Manufacturing			Insurance and Real Estate	13	4.2
Food & Kindred Prod	22	6.3	Services		
Textile Mill Prod	---	---	Business Services	21	6.9
Apparel & Other Textile Pr	---	---	Automobile and Repair Services	27	11.4
Paper & Allied Products	7	5.4	Private Household Services	---	---
Printing/Publishing/Allied	7	6.5	Pers Serv Exc Priv Household	20	6.1
Chemical/Petroleum/Rubber	17	7.7	Entertainment & Rec Services	8	5.8
Lumber & Wood	134	33.8	Hospitals	5	0.8
Furniture	4	1.5	Health Services, Exc Hosp	11	2.2
Stone/Clay/Concrete	6	9.4	Educational Services	9	0.8
Primary Metals	5	9.2	Other Professional Services	21	3.4
Fabricated Metals	7	5.5	Public Admin		
Mach, Ex Elect	9	4.9	Justice, Pub Order, & Safety	49	24.7
Elect Mach, Equip Supplies	5	2.0	Admin of Hum Res Programs	3	2.7
Motor Vehicles Equip	3	2.6	National Sec/Internal Affairs	---	---
Aircraft & Parts	---	---	Other Pub Admin	19	9.2
Other Transport Equip	14	8.3	Not Classified	77	---
Prof & Photo Equip/Watches	---	---			
Toys/Amusement/Sporting Goods	---	---			
Misc & NEC Industries	24	47.1			
Trans/Comm/PU					
Trucking/Warehousing/Storage	134	44.7			
Other Transportation	42	16.8			
Telephone Communications	---	---			
Other Communications	---	---			
Electric Light and Power	10	7.2			
Other Utility/Sanitary Service	18	16.6			
Wholesale Trade	41	7.6			

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for “unknown” or “not classified” categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table MS-6. Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Occupation Groupings, Mississippi, 1983-1995.**

DETAILED OCCUPATION	NO. OF DEATHS	RATE
Exec/Adm/Mgr		
Officials & Administrators, Public Admin	7	8.8
Other Executive, Admin & Managerial	50	5.4
Management Related Occupations	8	2.6
Prof/Spec		
Engineers	10	8.2
Mathematical and Computer Scientists	---	---
Natural Scientists	3	7.2
Health Diagnosing Occupations	6	8.7
Health Assessment and Treatment Occupations	7	2.6
Teachers, College and University	---	---
Teachers, Except College and University	4	0.7
Lawyers and Judges	3	5.0
Other Professional Specialty Occupations	13	3.7
Tech/Support		
Health Technologists and Technicians	---	---
Engineering and Science Technicians	4	3.9
Technicians, Exc Health/Engineering/Science	9	10.2
Sales		
Supervisors and Proprietors, Sales Occupations	78	15.9
Sales Reps, Finance and Business Services	8	4.2
Sales Reps, Commodities, Except Retail	9	6.2
Sales Workers, Retail & Personal Services	40	5.3
Sales Related Occupations	---	---
Clerical		
Supervisors, Administrative Support	---	---
Computer Equipment Operators	---	---
Secretaries, Stenographers, and Typists	5	1.0
Financial Records Processing	---	---
Mail and Message Distribution	3	3.2
Other Admin. Support, Including Clerical	15	1.7

DETAILED OCCUPATION	NO. OF DEATHS	RATE
Service		
Private Household Service Occupations	---	---
Protective Service	57	25.5
Food Service	10	2.0
Health Service	4	1.6
Cleaning and Building Service	19	5.8
Personal Service	5	1.9
Farm/For/Fish		
Farm Operators and Managers	84	45.2
Farm Workers and Related Occupations	40	14.1
Forestry and Fishing Occupations	98	122.3
Crafts		
Mechanics and Repairers	46	8.0
Construction Trades	88	14.0
Other Precision Production, Craft, and Repair	41	6.6
Mach Operators		
Machine Operators/Tenders, Except Precision	45	4.6
Fabricators, Assemblers, Inspectors, Samplers	24	5.3
Transport		
Motor Vehicle Operators	222	38.3
Other Transport and Material Moving Occ	45	14.5
Laborers		
Construction Laborers	73	77.1
Freight, Stock, & Materials Handlers	16	5.6
Other Handlers, Equip. Cleaner, Helper, Laborer	62	18.7
Other or Not Classified	65	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for "unknown" or "not classified" categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

## State of Missouri

### Traumatic Occupational Fatalities (1980-1995):

Number: 1,815

Rate: 4.8 per 100,000 workers

### Leading Causes of Death (1980-1995):

Machine - 387

Homicide - 277

### Industries with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Construction - 279

Rate: Mining - 38.5 per 100,000 workers

### Occupation with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Farming/Forestry/Fishing - 293

Rate: Farming/Forestry/Fishing - 22.8 per 100,000 workers

*Table MO-1. Number and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Year, Missouri, 1980-1995.*

YEAR OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
1980	114	5.2
1981	129	5.9
1982	106	5.0
1983	95	4.5
1984	86	3.9
1985	87	3.7
1986	104	4.4
1987	87	3.6
1988	102	4.2
1989	134	5.4
1990	129	5.3
1991	120	4.8
1992	131	5.2
1993	117	4.7
1994	147	5.7
1995	127	4.7
<b>Total</b>	<b>1,815</b>	<b>4.8</b>

**Table MO-2.** Number<sup>\*†‡</sup> and Rate<sup>§</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Sex, Race, and Age Group, Missouri, 1980-1995.

DEMOGRAPHICS	Total		YEAR OF DEATH					
			1980-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Sex								
Male	1,688	8.1	588	8.0	512	7.8	588	8.7
Female	127	0.7	29	0.5	44	0.8	54	0.9
Race								
White	1,642	4.8	555	4.6	497	4.5	590	5.1
Black	164	5.2	60	5.8	57	5.3	47	4.5
Other	6	1.3	---	---	---	---	---	---
Age Group								
16-17	17	1.8	10	2.9	3	1.0	4	1.3
18-19	44	3.2	26	4.9	12	2.7	6	1.5
20-24	144	3.0	59	3.3	43	2.9	42	2.8
25-34	370	3.5	117	3.3	118	3.2	135	3.9
35-44	340	3.9	102	3.6	102	3.7	136	4.4
45-54	346	5.3	110	5.0	106	5.5	130	5.5
55-64	293	7.3	95	6.4	101	8.1	97	7.8
65+	260	21.6	97	21.8	71	18.9	92	24.0

\*Numbers not reported for cells with less than 3 deaths.

†Numbers not reported for "unknown" categories.

‡Numbers and rates not reported for some cells with 3 or more deaths to meet confidentiality requirements.

§Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table MO-3.** *Number and Average Annual Rate\* (per 100,000 workers) of Traumatic Occupational Fatalities by Cause of Death, Missouri, 1980-1995.*

CAUSE OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
Machine	387	1.0
Homicide	277	0.7
Motor Vehicle	240	0.6
Fall	181	0.5
Struck by Falling Object	158	0.4
Electrocution	146	0.4
Suicide	68	0.2
Nature/Environment	51	0.1
Flying Object/Caught In	44	0.1
Suffocation	42	0.1
Explosion	33	0.1
Poisoning	31	0.1
Air Transport	26	0.1
Drowning	24	0.1
Fire	23	0.1
Rail Transport	14	< 0.1
Water Transport	13	< 0.1
Other	51	0.1
Unknown\Undetermined	6	---

\*Rates not calculated for "unknown" or "not classified" categories.

**Table MO-4.** Number<sup>\*†</sup> and Rate<sup>†‡§</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Industry and Occupation Division, Missouri, 1983-1995.

INDUSTRY/ OCCUPATION DIVISION	Total		YEAR OF DEATH					
			1983-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Industry Division								
Ag/For/Fish	264	21.6	51	15.8	99	23.7	114	23.5
Mining	23	38.5	---	---	---	---	13	---
Construction	279	14.7	66	15.7	93	13.0	120	15.8
Manufacturing	221	3.8	42	3.3	94	4.0	85	3.9
Trans/Comm/PU	219	8.3	25	4.5	81	7.5	113	11.0
Wholesale Trade	45	3.4	8	2.5	18	3.7	19	3.6
Retail Trade	140	2.6	21	2.0	61	2.9	58	2.6
Finance/Insur/RE	25	1.3	3	0.7	7	0.9	15	2.0
Services	143	1.4	25	1.2	61	1.6	57	1.3
Public Admin	58	4.7	9	3.6	25	5.3	24	4.5
Not Classified	49	---	9	---	16	---	24	---
Occupation Division								
Exec/Adm/Mgr	98	2.8	16	2.4	41	3.0	41	2.8
Prof/Spec	54	1.4	11	1.5	22	1.5	21	1.3
Tech/Support	29	3.0	3	1.6	12	3.2	14	3.4
Sales	103	2.8	17	2.4	40	2.8	46	2.9
Clerical	29	0.6	3	0.3	10	0.5	16	0.8
Service	99	2.3	21	2.2	39	2.3	39	2.2
Farm/For/Fish	293	22.8	58	17.4	108	24.6	127	24.7
Crafts	275	7.6	64	7.9	94	6.6	117	8.4
Mach Operators	75	3.1	13	2.5	27	2.8	35	3.8
Transport	232	16.6	17	4.9	94	18.5	121	22.1
Laborers	132	9.6	36	12.7	52	8.8	44	8.7
Not Classified	47	---	9	---	17	---	21	---

\*Numbers not reported for cells with less than 3 deaths.

†Numbers and rates not reported for some cells with 3 or more deaths to meet confidentiality requirements.

‡Rates not calculated for "unknown" or "not classified" categories.

§Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table MO-5.** Number\* and Average Annual Rate<sup>††</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Industry Groupings, Missouri, 1983-1995.

DETAILED INDUSTRY	NO. OF DEATHS	RATE	DETAILED INDUSTRY	NO. OF DEATHS	RATE
Ag/For/Fish			Retail Trade		
Ag Production	241	24.0	Food Stores	19	2.2
Ag Services	21	9.8	Motor Veh/Auto Supply Dealer	30	5.0
Forestry & Fisheries	---	---	Apparel & Accessory Stores	6	2.7
Mining			Eating & Drinking Places	27	1.6
Metal/Coal/Nonmetal Mining	20	38.6	Other Retail Trade	58	2.8
Oil and Gas Extraction	3	---	Finance/Insur/RE		
Construction	279	14.7	Banking and Other Finance	8	0.9
Manufacturing			Insurance and Real Estate	17	1.6
Food & Kindred Prod	19	2.9	Services		
Textile Mill Prod	---	---	Business Services	23	2.2
Apparel & Other Textile Pr	3	1.1	Automobile and Repair Services	37	6.4
Paper & Allied Products	7	3.5	Private Household Services	4	1.5
Printing/Publishing/Allied	8	1.5	Pers Serv Exc Priv Household	16	1.6
Chemical/Petroleum/Rubber	23	3.6	Entertainment & Rec Services	14	3.5
Lumber & Wood	49	32.5	Hospitals	8	0.6
Furniture	---	---	Health Services, Exc Hosp	5	0.4
Stone/Clay/Concrete	15	11.7	Educational Services	18	0.8
Primary Metals	21	12.2	Other Professional Services	18	1.1
Fabricated Metals	17	4.0	Public Admin		
Mach, Ex Elect	15	3.2	Justice, Pub Order, & Safety	40	8.7
Elect Mach, Equip Supplies	8	1.6	Admin of Hum Res Programs	---	---
Motor Vehicles Equip	8	1.6	National Sec/Internal Affairs	---	---
Aircraft & Parts	6	2.1	Other Pub Admin	18	3.9
Other Transport Equip	---	---	Not Classified	49	---
Prof & Photo Equip/Watches	---	---			
Toys/Amusement/Sporting Goods	---	---			
Misc & NEC Industries	17	6.4			
Trans/Comm/PU					
Trucking/Warehousing/Storage	97	13.7			
Other Transportation	78	8.3			
Telephone Communications	4	0.9			
Other Communications	4	2.7			
Electric Light and Power	18	8.2			
Other Utility/Sanitary Service	18	9.0			
Wholesale Trade	45	3.4			

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for “unknown” or “not classified” categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table MO-6.** Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Occupation Groupings, Missouri, 1983-1995.

DETAILED OCCUPATION	NO. OF DEATHS	RATE
Exec/Adm/Mgr		
Officials & Administrators, Public Admin	---	---
Other Executive, Admin & Managerial	80	3.3
Management Related Occupations	16	1.8
Prof/Spec		
Engineers	20	4.4
Mathematical and Computer Scientists	---	---
Natural Scientists	---	---
Health Diagnosing Occupations	---	---
Health Assessment and Treatment Occupations	7	1.1
Teachers, College and University	---	---
Teachers, Except College and University	6	0.6
Lawyers and Judges	3	2.4
Other Professional Specialty Occupations	16	1.8
Tech/Support		
Health Technologists and Technicians	---	---
Engineering and Science Technicians	9	2.9
Technicians, Exc Health/Engineering/Science	20	8.2
Sales		
Supervisors and Proprietors, Sales Occupations	63	6.2
Sales Reps, Finance and Business Services	9	1.5
Sales Reps, Commodities, Except Retail	7	1.6
Sales Workers, Retail & Personal Services	23	1.4
Sales Related Occupations	---	---
Clerical		
Supervisors, Administrative Support	---	---
Computer Equipment Operators	---	---
Secretaries, Stenographers, and Typists	---	---
Financial Records Processing	3	0.5
Mail and Message Distribution	6	2.0
Other Admin. Support, Including Clerical	18	0.8

DETAILED OCCUPATION	NO. OF DEATHS	RATE
Service		
Private Household Service Occupations	---	---
Protective Service	51	11.4
Food Service	11	0.7
Health Service	---	---
Cleaning and Building Service	32	3.9
Personal Service	---	---
Farm/For/Fish		
Farm Operators and Managers	231	33.2
Farm Workers and Related Occupations	28	4.9
Forestry and Fishing Occupations	34	145.5
Crafts		
Mechanics and Repairers	57	4.7
Construction Trades	175	13.1
Other Precision Production, Craft, and Repair	43	4.1
Mach Operators		
Machine Operators/Tenders, Except Precision	49	3.2
Fabricators, Assemblers, Inspectors, Samplers	26	3.0
Transport		
Motor Vehicle Operators	171	16.5
Other Transport and Material Moving Occ	61	16.7
Laborers		
Construction Laborers	63	30.4
Freight, Stock, & Materials Handlers	17	3.1
Other Handlers, Equip. Cleaner, Helper, Laborer	52	8.3
Other or Not Classified	47	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for "unknown" or "not classified" categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

## State of Montana

### Traumatic Occupational Fatalities (1980-1995):

Number: 750

Rate: 12.4 per 100,000 workers

### Leading Causes of Death (1980-1995):

Motor Vehicle - 259

Machine - 132

### Industries with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Transportation/Communications/Public Utilities - 115

Rate: Mining - 50.1 per 100,000 workers

### Occupations with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Farming/Forestry/Fishing - 146

Rate: Transportation/Material Movers - 42.0 per 100,000 workers

*Table MT-1. Number and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Year, Montana, 1980-1995.*

YEAR OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
1980	57	15.9
1981	65	17.3
1982	57	16.0
1983	47	13.3
1984	65	17.4
1985	47	12.5
1986	57	15.1
1987	39	10.5
1988	48	12.9
1989	43	11.4
1990	37	9.8
1991	34	9.0
1992	45	11.5
1993	35	8.8
1994	44	10.6
1995	30	7.3
<b>Total</b>	<b>750</b>	<b>12.4</b>

**Table MT-2.** Number\*<sup>†</sup> and Rate<sup>‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Sex, Race, and Age Group, Montana, 1980-1995.

DEMOGRAPHICS	Total		YEAR OF DEATH					
			1980-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Sex								
Male	708	20.9	324	25.2	207	20.0	177	16.6
Female	42	1.6	14	1.5	17	2.0	11	1.2
Race								
White	712	12.3	323	15.3	210	11.7	179	9.4
Black	5	---	3	---	---	---	---	---
Other	30	12.0	12	14.9	12	15.7	6	6.5
Age Group								
16-17	4	2.4	---	---	---	---	---	---
18-19	15	7.3	6	7.4	3	4.8	6	9.6
20-24	68	10.5	40	13.5	13	7.5	15	8.3
25-34	196	11.8	91	13.4	67	12.8	38	8.3
35-44	168	10.9	73	15.6	49	9.9	46	7.9
45-54	128	12.6	49	15.7	42	13.2	37	9.6
55-64	109	18.2	52	23.0	28	15.4	29	15.3
65+	62	27.9	25	33.7	21	29.8	16	20.7

\*Numbers not reported for cells with less than 3 deaths.

†Numbers not reported for “unknown” categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table MT-3.** *Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Cause of Death, Montana, 1980-1995.*

CAUSE OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
Motor Vehicle	259	4.3
Machine	132	2.2
Air Transport	63	1.0
Struck by Falling Object	51	0.8
Fall	35	0.6
Homicide	33	0.5
Electrocution	30	0.5
Explosion	21	0.3
Nature/Environment	20	0.3
Poisoning	18	0.3
Suffocation	17	0.3
Rail Transport	16	0.3
Suicide	16	0.3
Flying Object/Caught In	14	0.2
Drowning	6	0.1
Fire	5	0.1
Water Transport	---	---
Other	13	0.2
Unknown/Undetermined	---	---

\*Numbers not reported for cells with less than 3 deaths.

<sup>†</sup>Rates not calculated for "unknown" or "not classified" categories.

<sup>‡</sup>Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table MT-4.** Number\* and Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Industry and Occupation Division, Montana, 1983-1995.

INDUSTRY/ OCCUPATION DIVISION	Total		YEAR OF DEATH					
			1983-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Industry Division								
Ag/For/Fish	109	20.5	34	28.1	41	19.7	34	16.9
Mining	40	50.1	22	59.2	6	24.4	12	---
Construction	68	21.0	14	19.7	34	30.7	20	14.2
Manufacturing	92	25.8	26	32.0	33	24.1	33	23.8
Trans/Comm/PU	115	31.4	31	36.2	46	34.3	38	26.0
Wholesale Trade	13	6.9	4	9.3	4	5.8	5	6.6
Retail Trade	32	3.4	7	3.3	19	5.5	6	1.6
Finance/Insur/RE	7	2.8	---	---	---	---	4	4.4
Services	51	3.0	10	3.0	23	3.6	18	2.6
Public Admin	26	10.0	7	13.1	10	9.5	9	8.9
Not Classified	18	---	3	---	6	---	9	---
Occupation Division								
Exec/Adm/Mgr	42	7.4	6	5.2	19	9.0	17	7.0
Prof/Spec	30	4.6	6	4.4	15	5.8	9	3.4
Tech/Support	30	24.0	5	20.1	14	30.8	11	20.1
Sales	24	4.1	7	5.2	11	5.0	6	2.6
Clerical	7	1.0	---	---	---	---	3	1.1
Service	22	2.9	5	3.1	11	3.7	6	1.9
Farm/For/Fish	146	30.4	48	42.5	51	27.1	47	26.4
Crafts	102	19.3	22	16.5	38	20.2	42	20.4
Mach Operators	16	11.2	3	9.0	8	14.1	5	9.5
Transport	105	42.0	38	60.9	38	44.5	29	28.4
Laborers	33	17.3	10	24.6	14	18.6	9	12.0
Not Classified	14	---	7	---	3	---	4	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for “unknown” or “not classified” categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table MT-5.** Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Industry Groupings, Montana, 1983-1995.

DETAILED INDUSTRY	NO. OF DEATHS	RATE	DETAILED INDUSTRY	NO. OF DEATHS	RATE
Ag/For/Fish			Retail Trade		
Ag Production	101	22.8	Food Stores	3	2.1
Ag Services	6	18.1	Motor Veh/Auto Supply Dealer	4	3.5
Forestry & Fisheries	---	---	Apparel & Accessory Stores	---	---
Mining			Eating & Drinking Places	12	3.8
Metal/Coal/Nonmetal Mining	17	52.4	Other Retail Trade	13	3.8
Oil and Gas Extraction	23	48.6	Finance/Insur/RE		
Construction	68	21.0	Banking and Other Finance	5	4.6
Manufacturing			Insurance and Real Estate	---	---
Food & Kindred Prod	4	9.5	Services		
Textile Mill Prod	---	---	Business Services	4	4.0
Apparel & Other Textile Pr	---	---	Automobile and Repair Services	19	18.5
Paper & Allied Products	---	---	Private Household Services	---	---
Printing/Publishing/Allied	---	---	Pers Serv Exc Priv Household	3	1.8
Chemical/Petroleum/Rubber	6	24.4	Entertainment & Rec Services	3	4.3
Lumber & Wood	69	60.7	Hospitals	4	2.1
Furniture	---	---	Health Services, Exc Hosp	---	---
Stone/Clay/Concrete	3	---	Educational Services	7	1.5
Primary Metals	3	---	Other Professional Services	9	2.9
Fabricated Metals	---	---	Public Admin		
Mach, Ex Elect	---	---	Justice, Pub Order, & Safety	11	16.6
Elect Mach, Equip Supplies	---	---	Admin of Hum Res Programs	---	---
Motor Vehicles Equip	---	---	National Sec/Internal Affairs	---	---
Aircraft & Parts	---	---	Other Pub Admin	11	7.9
Other Transport Equip	---	---	Not Classified	20	---
Prof & Photo Equip/Watches	---	---			
Toys/Amusement/Sporting Goods	---	---			
Misc & NEC Industries	3	---			
Trans/Comm/PU					
Trucking/Warehousing/Storage	60	60.2			
Other Transportation	37	26.8			
Telephone Communications	---	---			
Other Communications	---	---			
Electric Light and Power	11	48.3			
Other Utility/Sanitary Service	4	7.8			
Wholesale Trade	13	6.9			

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for “unknown” or “not classified” categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table MT-6.** Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Occupation Groupings, Montana, 1983-1995.



DETAILED OCCUPATION	NO. OF DEATHS	RATE
Exec/Adm/Mgr		
Officials & Administrators, Public Admin	5	11.7
Other Executive, Admin & Managerial	28	7.0
Management Related Occupations	9	7.1
Prof/Spec		
Engineers	6	15.6
Mathematical and Computer Scientists	---	---
Natural Scientists	3	7.8
Health Diagnosing Occupations	3	8.5
Health Assessment and Treatment Occupations	3	3.2
Teachers, College and University	---	---
Teachers, Except College and University	6	2.8
Lawyers and Judges	---	---
Other Professional Specialty Occupations	6	3.8
Tech/Support		
Health Technologists and Technicians	---	---
Engineering and Science Technicians	4	11.0
Technicians, Exc Health/Engineering/Science	26	77.2
Sales		
Supervisors and Proprietors, Sales Occupations	13	7.5
Sales Reps, Finance and Business Services	3	3.6
Sales Reps, Commodities, Except Retail	---	---
Sales Workers, Retail & Personal Services	5	1.8
Sales Related Occupations	---	---
Clerical		
Supervisors, Administrative Support	---	---
Computer Equipment Operators	---	---
Secretaries, Stenographers, and Typists	4	2.3
Financial Records Processing	---	---
Mail and Message Distribution	---	---
Other Admin. Support, Including Clerical	---	---

DETAILED OCCUPATION	NO. OF DEATHS	RATE
Service		
Private Household Service Occupations	---	---
Protective Service	11	18.0
Food Service	4	1.3
Health Service	---	---
Cleaning and Building Service	4	2.8
Personal Service	3	2.5
Farm/For/Fish		
Farm Operators and Managers	85	28.4
Farm Workers and Related Occupations	19	12.0
Forestry and Fishing Occupations	42	187.9
Crafts		
Mechanics and Repairers	29	15.1
Construction Trades	39	19.3
Other Precision Production, Craft, and Repair	34	25.6
Mach Operators		
Machine Operators/Tenders, Except Precision	14	14.0
Fabricators, Assemblers, Inspectors, Samplers	---	---
Transport		
Motor Vehicle Operators	74	45.5
Other Transport and Material Moving Occ	31	35.5
Laborers		
Construction Laborers	17	52.9
Freight, Stock, & Materials Handlers	---	---
Other Handlers, Equip. Cleaner, Helper, Laborer	14	15.1
Other or Not Classified	14	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for "unknown" or "not classified" categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

## State of Nebraska

### Traumatic Occupational Fatalities (1980-1995):

Number: 1,004  
 Rate: 8.0 per 100,000 workers

### Leading Causes of Death (1980-1995):

Motor Vehicle - 286  
 Machine - 227

### Industries with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Agriculture/Forestry/Fisheries - 285  
 Rate: Mining - 53.6 per 100,000 workers

### Occupation with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Farming/Forestry/Fishing - 281  
 Rate: Farming/Forestry/Fishing - 29.2 per 100,000 workers

*Table NE-1. Number and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Year, Nebraska, 1980-1995.*

YEAR OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
1980	89	11.7
1981	62	8.0
1982	67	9.1
1983	59	8.0
1984	78	10.3
1985	67	8.6
1986	50	6.5
1987	61	8.1
1988	62	7.9
1989	57	7.2
1990	62	7.8
1991	58	7.1
1992	46	5.6
1993	64	7.6
1994	70	8.3
1995	52	6.0
<b>Total</b>	<b>1,004</b>	<b>8.0</b>

**Table NE-2. Number\*\*† and Rate‡§ (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Sex, Race, and Age Group, Nebraska, 1980-1995.**

DEMOGRAPHICS	Total		YEAR OF DEATH					
			1980-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Sex								
Male	947	13.8	399	15.7	279	13.3	269	12.2
Female	57	1.0	23	1.2	13	0.7	21	1.1
Race								
White	985	8.1	419	9.5	284	7.5	282	7.0
Black	12	3.9	---	---	---	---	6	5.2
Other	3	2.5	---	---	3	10.4	---	---
Age Group								
16-17	9	2.3	4	2.6	---	---	---	---
18-19	24	4.8	15	7.7	5	3.6	4	2.3
20-24	100	6.5	57	9.0	20	4.5	23	5.1
25-34	215	6.3	89	7.0	68	6.1	58	5.6
35-44	194	6.6	75	8.6	53	5.7	66	5.8
45-54	142	7.2	58	8.6	41	7.0	43	6.1
55-64	162	12.0	68	12.7	52	12.3	42	10.8
65+	158	29.5	56	26.9	50	32.5	52	30.0

\*Numbers not reported for cells with less than 3 deaths.

†Numbers not reported for "unknown" categories.

‡Numbers and rates not reported for some cells with 3 or more deaths to meet confidentiality requirements.

§Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table NE-3. Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Cause of Death, Nebraska, 1980-1995.**

CAUSE OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
Motor Vehicle	286	2.3
Machine	227	1.8
Fall	88	0.7
Electrocution	65	0.5
Struck by Falling Object	48	0.4
Air Transport	41	0.3
Nature/Environment	39	0.3
Suffocation	36	0.3
Explosion	28	0.2
Homicide	24	0.2
Suicide	22	0.2
Flying Object/Caught In	20	0.2
Poisoning	19	0.2
Rail Transport	11	0.1
Fire	8	0.1
Drowning	5	< 0.1
Water Transport	---	---
Other	15	0.1
Unknown\Undetermined	22	---

\*Numbers not reported for cells with less than 3 deaths.

<sup>†</sup>Rates not calculated for "unknown" or "not classified" categories.

<sup>‡</sup>Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table NE-4.** Number<sup>\*†</sup> and Rate<sup>†‡§</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Industry and Occupation Division, Nebraska, 1983-1995.

INDUSTRY/ OCCUPATION DIVISION	Total		YEAR OF DEATH					
			1983-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Industry Division								
Ag/For/Fish	285	29.2	82	31.6	106	29.6	97	27.0
Mining	12	53.6	---	---	---	---	6	---
Construction	105	18.1	28	21.0	38	17.4	39	17.1
Manufacturing	69	5.3	14	5.1	31	5.9	24	4.7
Trans/Comm/PU	134	17.2	34	17.9	45	15.2	55	18.6
Wholesale Trade	36	7.2	9	8.2	11	5.8	16	8.1
Retail Trade	43	2.4	9	2.3	14	2.1	20	2.7
Finance/Insur/RE	5	0.7	---	---	---	---	---	---
Services	52	1.6	14	2.0	17	1.4	21	1.5
Public Admin	15	3.9	---	---	7	4.5	---	---
Not Classified	30	---	7	---	18	---	5	---
Occupation Division								
Exec/Adm/Mgr	27	2.5	6	2.9	7	1.7	14	2.9
Prof/Spec	22	1.8	4	1.5	8	1.9	10	1.9
Tech/Support	24	8.0	7	11.3	9	8.2	8	6.2
Sales	43	3.6	8	3.1	18	4.0	17	3.4
Clerical	8	0.5	---	---	---	---	4	0.6
Service	30	2.0	6	1.8	15	2.7	9	1.6
Farm/For/Fish	281	29.2	79	30.6	105	29.8	97	27.5
Crafts	118	10.6	28	11.5	44	10.3	46	10.5
Mach Operators	29	5.3	4	3.5	13	6.2	12	5.5
Transport	118	26.4	35	31.7	37	22.2	46	27.1
Laborers	59	13.4	19	21.0	17	9.6	23	13.3
Not Classified	27	---	7	---	16	---	4	---

\*Numbers not reported for cells with less than 3 deaths.

†Numbers and rates not reported for some cells with 3 or more deaths to meet confidentiality requirements.

‡Rates not calculated for "unknown" or "not classified" categories.

§Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table NE-5.** Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Industry Groupings, Nebraska, 1983-1995.

DETAILED INDUSTRY	NO. OF DEATHS	RATE	DETAILED INDUSTRY	NO. OF DEATHS	RATE
Ag/For/Fish			Retail Trade		
Ag Production	273	30.1	Food Stores	10	3.6
Ag Services	12	17.5	Motor Veh/Auto Supply Dealer	8	3.6
Forestry & Fisheries	---	---	Apparel & Accessory Stores	---	---
Mining			Eating & Drinking Places	3	0.6
Metal/Coal/Nonmetal Mining	6	29.5	Other Retail Trade	20	3.0
Oil and Gas Extraction	6	---	Finance/Insur/RE		
Construction	105	18.1	Banking and Other Finance	---	---
Manufacturing			Insurance and Real Estate	3	0.7
Food & Kindred Prod	22	6.7	Services		
Textile Mill Prod	---	---	Business Services	4	1.0
Apparel & Other Textile Pr	---	---	Automobile and Repair Services	16	9.0
Paper & Allied Products	---	---	Private Household Services	---	---
Printing/Publishing/Allied	3	2.0	Pers Serv Exc Priv Household	6	2.1
Chemical/Petroleum/Rubber	7	5.9	Entertainment & Rec Services	3	2.8
Lumber & Wood	3	13.1	Hospitals	7	1.7
Furniture	---	---	Health Services, Exc Hosp	---	---
Stone/Clay/Concrete	3	7.7	Educational Services	8	1.0
Primary Metals	7	16.0	Other Professional Services	6	1.1
Fabricated Metals	---	---	Public Admin		
Mach, Ex Elect	8	5.5	Justice, Pub Order, & Safety	8	6.2
Elect Mach, Equip Supplies	4	3.3	Admin of Hum Res Programs	---	---
Motor Vehicles Equip	---	---	National Sec/Internal Affairs	---	---
Aircraft & Parts	---	---	Other Pub Admin	3	1.9
Other Transport Equip	---	---	Not Classified	32	---
Prof & Photo Equip/Watches	---	---			
Toys/Amusement/Sporting Goods	---	---			
Misc & NEC Industries	6	26.4			
Trans/Comm/PU					
Trucking/Warehousing/Storage	58	27.0			
Other Transportation	42	15.9			
Telephone Communications	---	---			
Other Communications	---	---			
Electric Light and Power	12	17.8			
Other Utility/Sanitary Service	19	22.7			
Wholesale Trade	36	7.2			

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for “unknown” or “not classified” categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table NE-6. Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Occupation Groupings, Nebraska, 1983-1995.**



DETAILED OCCUPATION	NO. OF DEATHS	RATE
Exec/Adm/Mgr		
Officials & Administrators, Public Admin	3	5.6
Other Executive, Admin & Managerial	21	2.8
Management Related Occupations	3	1.1
Prof/Spec		
Engineers	7	8.8
Mathematical and Computer Scientists	---	---
Natural Scientists	---	---
Health Diagnosing Occupations	---	---
Health Assessment and Treatment Occupations	4	2.0
Teachers, College and University	---	---
Teachers, Except College and University	5	1.3
Lawyers and Judges	---	---
Other Professional Specialty Occupations	3	1.0
Tech/Support		
Health Technologists and Technicians	---	---
Engineering and Science Technicians	4	5.0
Technicians, Exc Health/Engineering/Science	19	21.5
Sales		
Supervisors and Proprietors, Sales Occupations	26	7.1
Sales Reps, Finance and Business Services	4	2.4
Sales Reps, Commodities, Except Retail	4	3.2
Sales Workers, Retail & Personal Services	9	1.7
Sales Related Occupations	---	---
Clerical		
Supervisors, Administrative Support	---	---
Computer Equipment Operators	---	---
Secretaries, Stenographers, and Typists	---	---
Financial Records Processing	---	---
Mail and Message Distribution	4	4.9
Other Admin. Support, Including Clerical	3	0.4

DETAILED OCCUPATION	NO. OF DEATHS	RATE
Service		
Private Household Service Occupations	---	---
Protective Service	11	9.9
Food Service	---	---
Health Service	---	---
Cleaning and Building Service	15	5.5
Personal Service	---	---
Farm/For/Fish		
Farm Operators and Managers	247	38.5
Farm Workers and Related Occupations	31	9.7
Forestry and Fishing Occupations	3	---
Crafts		
Mechanics and Repairers	30	7.7
Construction Trades	59	15.6
Other Precision Production, Craft, and Repair	29	8.5
Mach Operators		
Machine Operators/Tenders, Except Precision	17	5.1
Fabricators, Assemblers, Inspectors, Samplers	12	5.7
Transport		
Motor Vehicle Operators	91	27.7
Other Transport and Material Moving Occ	27	22.7
Laborers		
Construction Laborers	26	41.1
Freight, Stock, & Materials Handlers	10	6.6
Other Handlers, Equip. Cleaner, Helper, Laborer	23	10.1
Other or Not Classified	27	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for "unknown" or "not classified" categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

## State of Nevada

### Traumatic Occupational Fatalities (1980-1995):

Number: 678

Rate: 7.7 per 100,000 workers

### Leading Causes of Death (1980-1995):

Motor Vehicle - 185

Homicide - 106

### Industries with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Transportation/Communications/Public Utilities - 113

Rate: Agriculture/Forestry/Fisheries - 29.3 per 100,000 workers

### Occupation with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Transportation/Material Movers - 119

Rate: Transportation/Material Movers - 38.6 per 100,000 workers

*Table NV-1. Number and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Year, Nevada, 1980-1995.*

YEAR OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
1980	49	13.6
1981	60	15.7
1982	39	8.9
1983	42	9.4
1984	47	10.2
1985	43	9.3
1986	42	8.5
1987	41	7.8
1988	53	9.6
1989	34	5.9
1990	39	6.2
1991	31	4.7
1992	37	5.6
1993	37	5.4
1994	35	4.8
1995	49	6.4
<b>Total</b>	<b>678</b>	<b>7.7</b>

**Table NV-2. Number<sup>\*†‡</sup> and Rate<sup>§</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Sex, Race, and Age Group, Nevada, 1980-1995.**

DEMOGRAPHICS	Total		YEAR OF DEATH					
	No.	Rate	1980-85		1986-90		1991-95	
			No.	Rate	No.	Rate	No.	Rate
Sex								
Male	611	12.4	246	17.1	192	12.6	173	8.9
Female	67	1.7	34	3.1	17	1.4	16	1.0
Race								
White	607	7.7	239	10.4	197	7.9	171	5.5
Black	41	7.8	20	13.1	10	5.6	11	5.6
Other	30	7.6	21	21.8	---	---	---	---
Age Group								
16-17	---	---	---	---	---	---	---	---
18-19	11	3.8	4	4.2	3	3.0	4	4.1
20-24	80	8.1	39	11.4	19	6.2	22	6.5
25-34	203	7.9	94	12.0	65	7.7	44	4.7
35-44	129	5.8	43	7.7	44	6.3	42	4.3
45-54	118	7.6	49	12.2	27	5.8	42	6.2
55-64	100	12.4	43	17.3	33	13.3	24	7.7
65+	36	16.2	7	10.6	18	28.9	11	11.7

\*Numbers not reported for cells with less than 3 deaths.

†Numbers not reported for "unknown" categories.

‡Numbers and rates not reported for some cells with 3 or more deaths to meet confidentiality requirements.

§Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table NV-3. Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Cause of Death, Nevada, 1980-1995.**

CAUSE OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
Motor Vehicle	185	2.1
Homicide	106	1.2
Air Transport	82	0.9
Fall	62	0.7
Machine	55	0.6
Suicide	32	0.4
Electrocution	27	0.3
Fire	23	0.3
Struck by Falling Object	19	0.2
Suffocation	17	0.2
Explosion	13	0.1
Flying Object/Caught In	10	0.1
Nature/Environment	8	0.1
Drowning	4	< 0.1
Rail Transport	4	< 0.1
Poisoning	---	---
Water Transport	---	---
Other	18	0.2
Unknown\Undetermined	10	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for “unknown” or “not classified” categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.



**Table NV-4. Number<sup>\*†</sup> and Rate<sup>†‡§</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Industry and Occupation Division, Nevada, 1983-1995.**

INDUSTRY/ OCCUPATION DIVISION	Total		YEAR OF DEATH					
			1983-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Industry Division								
Ag/For/Fish	31	29.3	7	29.6	11	32.8	13	26.7
Mining	40	27.6	9	33.4	13	24.9	18	27.4
Construction	105	17.4	18	20.5	48	21.5	39	13.4
Manufacturing	25	6.1	10	15.1	8	4.9	7	3.8
Trans/Comm/PU	113	21.4	38	36.5	43	22.2	32	13.9
Wholesale Trade	8	3.2	---	---	4	4.0	---	---
Retail Trade	47	3.8	11	4.8	19	4.3	17	3.0
Finance/Insur/RE	9	1.9	---	---	---	---	5	2.3
Services	97	2.8	24	3.7	33	2.6	40	2.5
Public Admin	45	11.9	9	12.4	23	16.1	13	8.0
Not Classified	10	---	---	---	5	---	---	---
Occupation Division								
Exec/Adm/Mgr	50	5.2	15	10.0	18	5.1	17	3.8
Prof/Spec	29	3.8	7	5.2	6	2.2	16	4.4
Tech/Support	32	15.0	11	30.9	12	15.9	9	8.8
Sales	36	3.6	11	6.2	10	2.8	15	3.3
Clerical	13	1.2	5	2.5	5	1.2	3	0.6
Service	67	3.6	14	3.8	25	3.8	28	3.4
Farm/For/Fish	30	27.4	8	32.2	10	29.0	12	23.9
Crafts	103	12.4	22	15.5	38	12.0	43	11.5
Mach Operators	9	4.4	---	---	---	---	4	4.4
Transport	119	38.6	32	54.6	54	47.7	33	24.2
Laborers	37	12.7	4	9.1	25	23.7	8	5.6
Not Classified	5	---	---	---	---	---	---	---

\*Numbers not reported for cells with less than 3 deaths.

†Numbers and rates not reported for some cells with 3 or more deaths to meet confidentiality requirements.

‡Rates not calculated for "unknown" or "not classified" categories.

§Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table NV-5. Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Industry Groupings, Nevada, 1983-1995.**

DETAILED INDUSTRY	NO. OF DEATHS	RATE	DETAILED INDUSTRY	NO. OF DEATHS	RATE
Ag/For/Fish			Retail Trade		
Ag Production	24	56.1	Food Stores	9	4.8
Ag Services	5	9.3	Motor Veh/Auto Supply Dealer	4	3.0
Forestry & Fisheries	---	---	Apparel & Accessory Stores	---	---
Mining			Eating & Drinking Places	17	4.2
Metal/Coal/Nonmetal Mining	38	27.5	Other Retail Trade	16	3.5
Oil and Gas Extraction	---	---	Finance/Insur/RE		
Construction	105	17.4	Banking and Other Finance	---	---
Manufacturing			Insurance and Real Estate	8	2.8
Food & Kindred Prod	---	---	Services		
Textile Mill Prod	---	---	Business Services	16	4.9
Apparel & Other Textile Pr	---	---	Automobile and Repair Services	19	13.4
Paper & Allied Products	---	---	Private Household Services	---	---
Printing/Publishing/Allied	4	5.2	Pers Serv Exc Priv Household	20	1.4
Chemical/Petroleum/Rubber	3	6.6	Entertainment & Rec Services	18	4.3
Lumber & Wood	---	---	Hospitals	---	---
Furniture	---	---	Health Services, Exc Hosp	---	---
Stone/Clay/Concrete	---	---	Educational Services	4	1.0
Primary Metals	---	---	Other Professional Services	15	4.3
Fabricated Metals	---	---	Public Admin		
Mach, Ex Elect	---	---	Justice, Pub Order, & Safety	15	10.9
Elect Mach, Equip Supplies	5	19.6	Admin of Hum Res Programs	---	---
Motor Vehicles Equip	---	---	National Sec/Internal Affairs	16	55.8
Aircraft & Parts	---	---	Other Pub Admin	13	7.6
Other Transport Equip	---	---	Not Classified	11	---
Prof & Photo Equip/Watches	---	---			
Toys/Amusement/Sporting Goods	---	---			
Misc & NEC Industries	4	10.4			
Trans/Comm/PU					
Trucking/Warehousing/Storage	54	60.9			
Other Transportation	41	18.1			
Telephone Communications	---	---			
Other Communications	---	---			
Electric Light and Power	5	11.2			
Other Utility/Sanitary Service	11	19.9			
Wholesale Trade	8	3.2			

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for “unknown” or “not classified” categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table NV-6. Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Occupation Groupings, Nevada, 1983-1995.**



DETAILED OCCUPATION	NO. OF DEATHS	RATE
Exec/Adm/Mgr		
Officials & Administrators, Public Admin	---	---
Other Executive, Admin & Managerial	41	6.0
Management Related Occupations	8	3.6
Prof/Spec		
Engineers	6	7.5
Mathematical and Computer Scientists	---	---
Natural Scientists	5	15.0
Health Diagnosing Occupations	---	---
Health Assessment and Treatment Occupations	3	2.6
Teachers, College and University	---	---
Teachers, Except College and University	3	1.6
Lawyers and Judges	---	---
Other Professional Specialty Occupations	9	4.3
Tech/Support		
Health Technologists and Technicians	---	---
Engineering and Science Technicians	7	9.2
Technicians, Exc Health/Engineering/Science	24	33.0
Sales		
Supervisors and Proprietors, Sales Occupations	15	6.2
Sales Reps, Finance and Business Services	---	---
Sales Reps, Commodities, Except Retail	5	7.9
Sales Workers, Retail & Personal Services	15	2.9
Sales Related Occupations	---	---
Clerical		
Supervisors, Administrative Support	---	---
Computer Equipment Operators	---	---
Secretaries, Stenographers, and Typists	---	---
Financial Records Processing	---	---
Mail and Message Distribution	3	4.8
Other Admin. Support, Including Clerical	6	1.0

DETAILED OCCUPATION	NO. OF DEATHS	RATE
Service		
Private Household Service Occupations	---	---
Protective Service	29	15.8
Food Service	14	2.1
Health Service	---	---
Cleaning and Building Service	15	4.2
Personal Service	8	1.5
Farm/For/Fish		
Farm Operators and Managers	13	63.6
Farm Workers and Related Occupations	15	17.6
Forestry and Fishing Occupations	---	---
Crafts		
Mechanics and Repairers	25	9.1
Construction Trades	55	14.2
Other Precision Production, Craft, and Repair	23	13.3
Mach Operators		
Machine Operators/Tenders, Except Precision	5	3.6
Fabricators, Assemblers, Inspectors, Samplers	4	6.0
Transport		
Motor Vehicle Operators	87	38.1
Other Transport and Material Moving Occ	32	40.2
Laborers		
Construction Laborers	19	29.9
Freight, Stock, & Materials Handlers	9	9.6
Other Handlers, Equip. Cleaner, Helper, Laborer	9	6.7
Other or Not Classified	5	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for "unknown" or "not classified" categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

## State of New Hampshire

### Traumatic Occupational Fatalities (1980-1995):

Number: 256

Rate: 3.0 per 100,000 workers

### Leading Causes of Death (1980-1995):

Motor Vehicle - 60

Fall - 36

### Industries with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Construction - 46

Rate: Agriculture/Forestry/Fisheries - 9.7 per 100,000 workers

### Occupations with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Precision Production/Craft/Repair - 45

Rate: Farming/Forestry/Fishing - 20.5 per 100,000 workers

*Table NH-1. Number and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Year, New Hampshire, 1980-1995.*

YEAR OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
1980	23	5.2
1981	26	5.7
1982	17	3.8
1983	17	3.6
1984	12	2.4
1985	17	3.3
1986	12	2.2
1987	16	2.8
1988	19	3.2
1989	21	3.5
1990	14	2.4
1991	16	2.8
1992	9	1.6
1993	12	2.1
1994	17	2.9
1995	8	1.3
<b>Total</b>	<b>256</b>	<b>3.0</b>

**Table NH-2.** Number<sup>\*†‡</sup> and Rate<sup>§</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Sex, Race, and Age Group, New Hampshire, 1980-1995.

DEMOGRAPHICS	Total		YEAR OF DEATH					
			1980-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Sex								
Male	242	5.1	108	6.8	78	4.9	56	3.6
Female	14	0.4	4	0.3	4	0.3	6	0.4
Race								
White	253	3.0	110	3.9	82	2.9	61	2.1
Black	---	---	---	---	---	---	---	---
Other	---	---	---	---	---	---	---	---
Age Group								
16-17	3	1.2	---	---	---	---	---	---
18-19	6	2.1	---	---	3	3.1	---	---
20-24	35	3.5	17	4.4	10	2.9	8	3.0
25-34	63	2.5	31	3.6	20	2.2	12	1.5
35-44	58	2.7	24	4.1	19	2.6	15	1.7
45-54	44	3.2	15	3.6	13	3.0	16	3.0
55-64	32	4.0	14	4.8	10	4.1	8	3.1
65+	15	6.7	8	10.3	---	---	---	---

\*Numbers not reported for cells with less than 3 deaths.

†Numbers not reported for "unknown" categories.

‡Numbers and rates not reported for some cells with 3 or more deaths to meet confidentiality requirements.

§Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table NH-3.** *Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Cause of Death, New Hampshire, 1980-1995.*

CAUSE OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
Motor Vehicle	60	0.7
Fall	36	0.4
Machine	32	0.4
Struck by Falling Object	29	0.3
Homicide	19	0.2
Electrocution	12	0.1
Air Transport	11	0.1
Suicide	11	0.1
Flying Object/Caught In	9	0.1
Explosion	7	0.1
Poisoning	7	0.1
Nature/Environment	6	0.1
Drowning	---	---
Suffocation	---	---
Water Transport	---	---
Fire	---	---
Rail Transport	---	---
Other	7	0.1
Unknown\Undetermined	3	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for “unknown” or “not classified” categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table NH-4.** Number<sup>\*†</sup> and Rate<sup>†‡§</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Industry and Occupation Division, New Hampshire, 1983-1995.

INDUSTRY/ OCCUPATION DIVISION	Total		YEAR OF DEATH					
			1983-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Industry Division								
Ag/For/Fish	11	9.7	6	29.1	---	---	---	---
Mining	---	---	---	---	---	---	---	---
Construction	46	8.2	12	10.3	21	7.7	13	7.4
Manufacturing	38	2.0	8	1.8	21	2.7	9	1.4
Trans/Comm/PU	21	5.2	6	8.4	7	4.3	8	4.8
Wholesale Trade	9	3.8	---	---	---	---	5	4.6
Retail Trade	13	1.0	---	---	---	---	8	1.6
Finance/Insur/RE	5	1.1	---	---	---	---	---	---
Services	25	1.2	5	1.2	11	1.4	9	0.9
Public Admin	10	4.2	---	---	5	5.7	---	---
Not Classified	11	---	---	---	5	---	---	---
Occupation Division								
Exec/Adm/Mgr	18	1.9	3	1.8	7	1.9	8	1.9
Prof/Spec	8	0.8	---	---	---	---	4	0.9
Tech/Support	4	1.5	---	---	---	---	---	---
Sales	11	1.2	---	---	6	1.6	---	---
Clerical	7	0.7	---	---	---	---	5	1.2
Service	14	1.7	3	1.7	5	1.6	6	1.7
Farm/For/Fish	26	20.5	9	33.4	12	25.0	5	9.6
Crafts	45	4.5	9	4.1	25	5.7	11	3.2
Mach Operators	7	1.2	---	---	4	1.6	---	---
Transport	23	9.7	6	14.3	9	9.9	8	7.7
Laborers	16	6.1	7	12.4	4	3.6	5	5.4
Not Classified	11	---	3	---	5	---	3	---

\*Numbers not reported for cells with less than 3 deaths.

†Numbers and rates not reported for some cells with 3 or more deaths to meet confidentiality requirements.

‡Rates not calculated for "unknown" or "not classified" categories.

§Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table NH-5.** Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Industry Groupings, New Hampshire, 1983-1995.

DETAILED INDUSTRY	NO. OF DEATHS	RATE	DETAILED INDUSTRY	NO. OF DEATHS	RATE
Ag/For/Fish			Retail Trade		
Ag Production	7	13.3	Food Stores	---	---
Ag Services	3	6.0	Motor Veh/Auto Supply Dealer	---	---
Forestry & Fisheries	---	---	Apparel & Accessory Stores	---	---
Mining			Eating & Drinking Places	---	---
Metal/Coal/Nonmetal Mining	---	---	Other Retail Trade	7	1.4
Oil and Gas Extraction	---	---	Finance/Insur/RE		
Construction	46	8.2	Banking and Other Finance	---	---
Manufacturing			Insurance and Real Estate	5	1.9
Food & Kindred Prod	---	---	Services		
Textile Mill Prod	---	---	Business Services	6	2.1
Apparel & Other Textile Pr	---	---	Automobile and Repair Services	9	7.8
Paper & Allied Products	---	---	Private Household Services	---	---
Printing/Publishing/Allied	3	2.2	Pers Serv Exc Priv Household	3	1.5
Chemical/Petroleum/Rubber	---	---	Entertainment & Rec Services	---	---
Lumber & Wood	20	30.1	Hospitals	---	---
Furniture	---	---	Health Services, Exc Hosp	---	---
Stone/Clay/Concrete	---	---	Educational Services	5	1.0
Primary Metals	---	---	Other Professional Services	---	---
Fabricated Metals	---	---	Public Admin		
Mach, Ex Elect	---	---	Justice, Pub Order, & Safety	7	8.5
Elect Mach, Equip Supplies	3	0.8	Admin of Hum Res Programs	---	---
Motor Vehicles Equip	---	---	National Sec/Internal Affairs	---	---
Aircraft & Parts	---	---	Other Pub Admin	---	---
Other Transport Equip	---	---	Not Classified	11	---
Prof & Photo Equip/Watches	---	---			
Toys/Amusement/Sporting Goods	---	---			
Misc & NEC Industries	4	4.0			
Trans/Comm/PU					
Trucking/Warehousing/Storage	10	11.2			
Other Transportation	6	4.2			
Telephone Communications	---	---			
Other Communications	---	---			
Electric Light and Power	4	9.8			
Other Utility/Sanitary Service	---	---			
Wholesale Trade	9	3.8			

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for “unknown” or “not classified” categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table NH-6.** Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Occupation Groupings, New Hampshire, 1983-1995.



DETAILED OCCUPATION	NO. OF DEATHS	RATE
Exec/Adm/Mgr		
Officials & Administrators, Public Admin	---	---
Other Executive, Admin & Managerial	17	2.4
Management Related Occupations	---	---
Prof/Spec		
Engineers	---	---
Mathematical and Computer Scientists	---	---
Natural Scientists	---	---
Health Diagnosing Occupations	---	---
Health Assessment and Treatment Occupations	---	---
Teachers, College and University	---	---
Teachers, Except College and University	4	1.7
Lawyers and Judges	---	---
Other Professional Specialty Occupations	---	---
Tech/Support		
Health Technologists and Technicians	---	---
Engineering and Science Technicians	---	---
Technicians, Exc Health/Engineering/Science	3	3.0
Sales		
Supervisors and Proprietors, Sales Occupations	6	2.1
Sales Reps, Finance and Business Services	---	---
Sales Reps, Commodities, Except Retail	3	2.5
Sales Workers, Retail & Personal Services	---	---
Sales Related Occupations	---	---
Clerical		
Supervisors, Administrative Support	---	---
Computer Equipment Operators	---	---
Secretaries, Stenographers, and Typists	---	---
Financial Records Processing	---	---
Mail and Message Distribution	---	---
Other Admin. Support, Including Clerical	4	0.8

DETAILED OCCUPATION	NO. OF DEATHS	RATE
Service		
Private Household Service Occupations	---	---
Protective Service	12	14.0
Food Service	---	---
Health Service	---	---
Cleaning and Building Service	---	---
Personal Service	---	---
Farm/For/Fish		
Farm Operators and Managers	6	20.2
Farm Workers and Related Occupations	4	5.1
Forestry and Fishing Occupations	16	---
Crafts		
Mechanics and Repairers	13	4.4
Construction Trades	28	7.1
Other Precision Production, Craft, and Repair	4	1.3
Mach Operators		
Machine Operators/Tenders, Except Precision	6	1.6
Fabricators, Assemblers, Inspectors, Samplers	---	---
Transport		
Motor Vehicle Operators	19	10.9
Other Transport and Material Moving Occ	4	6.4
Laborers		
Construction Laborers	10	22.9
Freight, Stock, & Materials Handlers	---	---
Other Handlers, Equip. Cleaner, Helper, Laborer	6	5.7
Other or Not Classified	11	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for "unknown" or "not classified" categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

## State of New Jersey

### Traumatic Occupational Fatalities (1980-1995):

Number: 1,523

Rate: 2.6 per 100,000 workers

### Leading Causes of Death (1980-1995):

Motor Vehicle - 335

Fall - 251

### Industries with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Construction - 309

Rate: Agriculture/Forestry/Fisheries - 11.7 per 100,000 workers

### Occupations with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Precision Production/Craft/Repair - 325

Rate: Farming/Forestry/Fishing - 11.9 per 100,000 workers

**Table NJ-1.** *Number and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Year, New Jersey, 1980-1995.*

YEAR OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
1980	67	2.0
1981	130	3.9
1982	100	3.0
1983	95	2.8
1984	110	3.1
1985	108	3.0
1986	121	3.3
1987	102	2.7
1988	79	2.1
1989	96	2.5
1990	76	2.0
1991	87	2.3
1992	88	2.4
1993	97	2.6
1994	80	2.1
1995	87	2.3
<b>Total</b>	<b>1,523</b>	<b>2.6</b>

**Table NJ-2.** Number<sup>\*\*†‡</sup> and Rate<sup>§§</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Sex, Race, and Age Group, New Jersey, 1980-1995.

DEMOGRAPHICS	Total		YEAR OF DEATH					
			1980-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Sex								
Male	1,455	4.5	577	4.9	458	4.3	420	4.1
Female	68	0.3	33	0.4	16	0.2	19	0.2
Race								
White	1,228	2.5	500	2.8	379	2.3	349	2.2
Black	246	3.8	97	4.7	81	3.7	68	3.1
Other	39	2.0	12	2.9	11	1.7	16	1.8
Age Group								
16-17	10	0.8	5	1.0	---	---	---	---
18-19	33	1.7	18	2.1	10	1.6	5	1.1
20-24	137	2.0	60	2.2	38	1.7	39	2.2
25-34	347	2.3	138	2.7	103	2.0	106	2.2
35-44	347	2.5	130	2.9	109	2.4	108	2.1
45-54	309	3.0	122	3.4	102	3.2	85	2.3
55-64	228	3.3	93	3.3	70	3.2	65	3.3
65+	110	6.3	43	7.6	38	6.6	29	4.8

\*Numbers not reported for cells with less than 3 deaths.

†Numbers not reported for "unknown" categories.

‡Numbers and rates not reported for some cells with 3 or more deaths to meet confidentiality requirements.

§Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table NJ-3.** *Number and Average Annual Rate\* (per 100,000 workers) of Traumatic Occupational Fatalities by Cause of Death, New Jersey, 1980-1995.*

CAUSE OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
Motor Vehicle	335	0.6
Fall	251	0.4
Homicide	163	0.3
Machine	142	0.2
Electrocution	109	0.2
Struck by Falling Object	68	0.1
Flying Object/Caught In	58	0.1
Fire	51	0.1
Explosion	43	0.1
Suicide	42	0.1
Nature/Environment	36	0.1
Air Transport	34	0.1
Suffocation	31	0.1
Water Transport	31	0.1
Poisoning	23	0.0
Drowning	17	0.0
Rail Transport	15	0.0
Other	58	0.1
Unknown\Undetermined	16	---

\*Rates not calculated for "unknown" or "not classified" categories.

**Table NJ-4.** Number\* and Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Industry and Occupation Division, New Jersey, 1983-1995.

INDUSTRY/ OCCUPATION DIVISION	Total		YEAR OF DEATH					
			1983-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Industry Division								
Ag/For/Fish	61	11.7	15	14.4	19	9.0	27	13.2
Mining	4	9.0	---	---	---	---	---	---
Construction	309	11.0	64	10.8	137	11.3	108	10.8
Manufacturing	187	2.1	54	2.2	65	1.8	68	2.2
Trans/Comm/PU	245	5.7	58	6.4	85	5.1	102	6.0
Wholesale Trade	37	1.8	10	2.3	15	1.8	12	1.4
Retail Trade	78	1.1	27	1.7	35	1.2	16	0.6
Finance/Insur/RE	24	0.6	9	1.1	9	0.6	6	0.4
Services	133	0.8	36	1.1	49	0.8	48	0.7
Public Admin	69	3.1	11	2.4	28	3.2	30	3.4
Not Classified	79	---	28	---	30	---	21	---
Occupation Division								
Exec/Adm/Mgr	60	0.8	13	0.9	28	1.0	19	0.6
Prof/Spec	41	0.6	7	0.5	15	0.6	19	0.6
Tech/Support	29	1.8	10	2.8	14	2.3	5	0.8
Sales	58	1.0	25	2.0	22	0.9	11	0.5
Clerical	32	0.4	13	0.7	8	0.2	11	0.3
Service	108	1.8	29	2.3	39	1.7	40	1.7
Farm/For/Fish	65	11.9	17	14.6	22	10.4	26	11.8
Crafts	325	6.3	71	5.9	125	5.9	129	7.1
Mach Operators	78	2.7	22	2.8	28	2.4	28	2.9
Transport	186	10.0	44	11.1	63	8.5	79	11.0
Laborers	189	10.5	39	9.4	88	12.1	62	9.4
Not Classified	55	---	23	---	22	---	10	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for “unknown” or “not classified” categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table NJ-5.** Number\* and Average Annual Rate\*\* (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Industry Groupings, New Jersey, 1983-1995.

DETAILED INDUSTRY	NO. OF DEATHS	RATE	DETAILED INDUSTRY	NO. OF DEATHS	RATE
Ag/For/Fish			Retail Trade		
Ag Production	22	12.3	Food Stores	7	0.5
Ag Services	25	7.9	Motor Veh/Auto Supply Dealer	23	3.1
Forestry & Fisheries	14	55.9	Apparel & Accessory Stores	3	0.5
Mining			Eating & Drinking Places	19	1.0
Metal/Coal/Nonmetal Mining	3	10.2	Other Retail Trade	26	0.9
Oil and Gas Extraction	---	---	Finance/Insur/RE		
Construction	309	11.0	Banking and Other Finance	7	0.4
Manufacturing			Insurance and Real Estate	17	0.8
Food & Kindred Prod	12	2.0	Services		
Textile Mill Prod	5	2.3	Business Services	32	1.3
Apparel & Other Textile Pr	3	0.5	Automobile and Repair Services	38	5.0
Paper & Allied Products	8	2.8	Private Household Services	---	---
Printing/Publishing/Allied	6	0.6	Pers Serv Exc Priv Household	15	1.1
Chemical/Petroleum/Rubber	39	1.8	Entertainment & Rec Services	19	2.8
Lumber & Wood	---	---	Hospitals	---	---
Furniture	---	---	Health Services, Exc Hosp	3	0.2
Stone/Clay/Concrete	8	2.7	Educational Services	10	0.3
Primary Metals	23	10.4	Other Professional Services	13	0.4
Fabricated Metals	6	1.2	Public Admin		
Mach, Ex Elect	9	1.0	Justice, Pub Order, & Safety	51	5.5
Elect Mach, Equip Supplies	11	1.1	Admin of Hum Res Programs	---	---
Motor Vehicles Equip	5	2.5	National Sec/Internal Affairs	---	---
Aircraft & Parts	---	---	Other Pub Admin	16	2.0
Other Transport Equip	---	---	Not Classified	80	---
Prof & Photo Equip/Watches	---	---			
Toys/Amusement/Sporting Goods	---	---			
Misc & NEC Industries	46	15.3			
Trans/Comm/PU					
Trucking/Warehousing/Storage	102	10.3			
Other Transportation	85	5.4			
Telephone Communications	3	0.3			
Other Communications	4	1.8			
Electric Light and Power	13	9.3			
Other Utility/Sanitary Service	38	9.3			
Wholesale Trade	37	1.8			

\*Numbers not reported for cells with less than 3 deaths.

\*\*Rates not calculated for "unknown" or "not classified" categories.

†Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table NJ-6.** Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Occupation Groupings, New Jersey, 1983-1995.



DETAILED OCCUPATION	NO. OF DEATHS	RATE
Exec/Adm/Mgr		
Officials & Administrators, Public Admin	---	---
Other Executive, Admin & Managerial	55	1.1
Management Related Occupations	5	0.3
Prof/Spec		
Engineers	16	1.6
Mathematical and Computer Scientists	---	---
Natural Scientists	4	1.6
Health Diagnosing Occupations	---	---
Health Assessment and Treatment Occupations	---	---
Teachers, College and University	---	---
Teachers, Except College and University	3	0.2
Lawyers and Judges	---	---
Other Professional Specialty Occupations	14	0.9
Tech/Support		
Health Technologists and Technicians	3	0.6
Engineering and Science Technicians	8	1.7
Technicians, Exc Health/Engineering/Science	18	2.7
Sales		
Supervisors and Proprietors, Sales Occupations	35	2.2
Sales Reps, Finance and Business Services	6	0.5
Sales Reps, Commodities, Except Retail	3	0.4
Sales Workers, Retail & Personal Services	14	0.6
Sales Related Occupations	---	---
Clerical		
Supervisors, Administrative Support	3	0.8
Computer Equipment Operators	---	---
Secretaries, Stenographers, and Typists	---	---
Financial Records Processing	---	---
Mail and Message Distribution	4	0.8
Other Admin. Support, Including Clerical	20	0.5

DETAILED OCCUPATION	NO. OF DEATHS	RATE
Service		
Private Household Service Occupations	---	---
Protective Service	67	6.5
Food Service	12	0.6
Health Service	---	---
Cleaning and Building Service	24	2.3
Personal Service	3	0.3
Farm/For/Fish		
Farm Operators and Managers	15	13.0
Farm Workers and Related Occupations	36	8.9
Forestry and Fishing Occupations	14	54.7
Crafts		
Mechanics and Repairers	77	4.4
Construction Trades	190	9.9
Other Precision Production, Craft, and Repair	58	4.0
Mach Operators		
Machine Operators/Tenders, Except Precision	57	2.8
Fabricators, Assemblers, Inspectors, Samplers	21	2.4
Transport		
Motor Vehicle Operators	139	9.4
Other Transport and Material Moving Occ	47	12.5
Laborers		
Construction Laborers	88	33.0
Freight, Stock, & Materials Handlers	22	3.4
Other Handlers, Equip. Cleaner, Helper, Laborer	79	8.8
Other or Not Classified	55	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for "unknown" or "not classified" categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

## State of New Mexico

### Traumatic Occupational Fatalities (1980-1995):

Number: 755

Rate: 7.5 per 100,000 workers

### Leading Causes of Death (1980-1995):

Motor Vehicle - 234

Machine - 98

### Industries with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Transportation/Communications/Public Utilities - 131

Rate: Mining - 31.6 per 100,000 workers

### Occupation with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Transportation/Material Movers - 138

Rate: Transportation/Material Movers - 35.6 per 100,000 workers

**Table NM-1.** *Number and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Year, New Mexico, 1980-1995.*

YEAR OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
1980	49	9.5
1981	60	11.1
1982	51	9.5
1983	59	10.9
1984	51	8.8
1985	48	8.1
1986	38	6.2
1987	31	5.0
1988	49	7.6
1989	48	7.4
1990	36	5.5
1991	41	6.1
1992	25	3.6
1993	54	7.7
1994	61	8.4
1995	54	7.3
<b>Total</b>	<b>755</b>	<b>7.5</b>

**Table NM-2.** Number<sup>\*†‡</sup> and Rate<sup>§</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Sex, Race, and Age Group, New Mexico, 1980-1995.

DEMOGRAPHICS	Total		YEAR OF DEATH					
			1980-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Sex								
Male	714	12.6	305	15.8	193	10.8	216	11.0
Female	39	0.9	13	0.9	9	0.6	17	1.1
Race								
White	680	7.5	294	9.9	182	6.3	204	6.4
Black	18	8.9	8	14.3	3	3.8	7	10.4
Other	43	5.6	15	5.5	12	5.9	16	5.5
Age Group								
16-17	6	2.6	---	---	4	5.9	---	---
18-19	18	4.9	9	6.4	---	---	---	---
20-24	95	8.1	50	11.4	25	6.4	20	5.7
25-34	193	7.0	83	8.8	48	5.2	62	7.1
35-44	169	6.7	65	9.0	39	4.9	65	6.3
45-54	129	7.5	53	9.8	45	8.8	31	4.7
55-64	98	10.2	38	11.1	23	7.9	37	11.2
65+	46	16.7	18	20.3	10	11.2	18	18.3

\*Numbers not reported for cells with less than 3 deaths.

†Numbers not reported for "unknown" categories.

‡Numbers and rates not reported for some cells with 3 or more deaths to meet confidentiality requirements.

§Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table NM-3.** Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Cause of Death, New Mexico, 1980-1995.

CAUSE OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
Motor Vehicle	234	2.3
Machine	98	1.0
Homicide	84	0.8
Air Transport	58	0.6
Electrocution	48	0.5
Fall	36	0.4
Struck by Falling Object	35	0.3
Flying Object/Caught In	30	0.3
Nature/Environment	23	0.2
Explosion	22	0.2
Suicide	22	0.2
Fire	13	0.1
Poisoning	11	0.1
Suffocation	9	0.1
Drowning	6	0.1
Rail Transport	5	< 0.1
Water Transport	---	---
Other	19	0.2
Unknown\Undetermined	---	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for “unknown” or “not classified” categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.



**Table NM-4. Number\*† and Rate†‡§ (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Industry and Occupation Division, New Mexico, 1983-1995.**

INDUSTRY/ OCCUPATION DIVISION	Total		YEAR OF DEATH					
			1983-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Industry Division								
Ag/For/Fish	57	15.6	12	14.5	26	16.3	19	15.4
Mining	80	31.6	28	50.4	20	22.0	32	29.9
Construction	100	15.8	24	18.9	31	13.3	45	16.5
Manufacturing	36	5.4	8	6.1	14	5.3	14	5.3
Trans/Comm/PU	131	24.0	40	34.3	38	19.8	53	22.4
Wholesale Trade	16	6.1	5	8.3	3	2.9	8	8.0
Retail Trade	48	3.1	12	4.1	20	3.3	16	2.5
Finance/Insur/RE	9	2.1	---	---	---	---	4	2.4
Services	60	1.9	14	2.3	20	1.7	26	1.9
Public Admin	35	5.9	10	7.3	14	6.4	11	4.5
Not Classified	23	---	3	---	13	---	7	---
Occupation Division								
Exec/Adm/Mgr	46	4.5	12	6.2	14	3.7	20	4.4
Prof/Spec	25	2.0	3	1.2	11	2.5	11	2.0
Tech/Support	20	6.5	3	4.4	3	2.7	14	10.6
Sales	39	3.9	11	5.5	11	2.7	17	4.2
Clerical	5	0.4	---	---	---	---	---	---
Service	41	3.4	12	5.2	17	3.7	12	2.3
Farm/For/Fish	62	17.8	15	18.0	28	18.1	19	17.1
Crafts	122	11.4	38	16.2	32	8.0	52	12.0
Mach Operators	19	6.6	4	7.2	6	5.2	9	7.9
Transport	138	35.6	42	54.1	47	33.2	49	29.1
Laborers	59	17.9	14	20.5	21	16.3	24	18.2
Not Classified	19	---	3	---	12	---	4	---

\*Numbers not reported for cells with less than 3 deaths.

†Numbers and rates not reported for some cells with 3 or more deaths to meet confidentiality requirements.

‡Rates not calculated for "unknown" or "not classified" categories.

§Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table NM-5.** Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Industry Groupings, New Mexico, 1983-1995.

DETAILED INDUSTRY	NO. OF DEATHS	RATE	DETAILED INDUSTRY	NO. OF DEATHS	RATE
Ag/For/Fish			Retail Trade		
Ag Production	48	19.2	Food Stores	8	3.9
Ag Services	6	8.2	Motor Veh/Auto Supply Dealer	11	5.7
Forestry & Fisheries	3	7.1	Apparel & Accessory Stores	---	---
Mining			Eating & Drinking Places	7	1.4
Metal/Coal/Nonmetal Mining	27	28.9	Other Retail Trade	21	3.5
Oil and Gas Extraction	53	33.2	Finance/Insur/RE		
Construction	100	15.8	Banking and Other Finance	4	2.2
Manufacturing			Insurance and Real Estate	5	1.9
Food & Kindred Prod	7	10.3	Services		
Textile Mill Prod	---	---	Business Services	7	1.8
Apparel & Other Textile Pr	---	---	Automobile and Repair Services	16	8.4
Paper & Allied Products	---	---	Private Household Services	---	---
Printing/Publishing/Allied	---	---	Pers Serv Exc Priv Household	13	4.2
Chemical/Petroleum/Rubber	4	7.1	Entertainment & Rec Services	5	3.8
Lumber & Wood	7	15.7	Hospitals	3	1.2
Furniture	---	---	Health Services, Exc Hosp	---	---
Stone/Clay/Concrete	3	10.1	Educational Services	7	0.8
Primary Metals	---	---	Other Professional Services	6	1.0
Fabricated Metals	---	---	Public Admin		
Mach, Ex Elect	---	---	Justice, Pub Order, & Safety	19	12.4
Elect Mach, Equip Supplies	---	---	Admin of Hum Res Programs	---	---
Motor Vehicles Equip	---	---	National Sec/Internal Affairs	8	6.8
Aircraft & Parts	---	---	Other Pub Admin	8	3.4
Other Transport Equip	---	---	Not Classified	23	---
Prof & Photo Equip/Watches	---	---			
Toys/Amusement/Sporting Goods	---	---			
Misc & NEC Industries	4	4.5			
Trans/Comm/PU					
Trucking/Warehousing/Storage	81	65.0			
Other Transportation	24	14.3			
Telephone Communications	---	---			
Other Communications	5	13.2			
Electric Light and Power	9	15.5			
Other Utility/Sanitary Service	10	11.4			
Wholesale Trade	16	6.1			

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for “unknown” or “not classified” categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table NM-6.** Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Occupation Groupings, New Mexico, 1983-1995.



DETAILED OCCUPATION	NO. OF DEATHS	RATE
Exec/Adm/Mgr		
Officials & Administrators, Public Admin	---	---
Other Executive, Admin & Managerial	41	5.7
Management Related Occupations	5	2.0
Prof/Spec		
Engineers	5	3.2
Mathematical and Computer Scientists	---	---
Natural Scientists	---	---
Health Diagnosing Occupations	---	---
Health Assessment and Treatment Occupations	3	2.1
Teachers, College and University	---	---
Teachers, Except College and University	---	---
Lawyers and Judges	---	---
Other Professional Specialty Occupations	8	2.6
Tech/Support		
Health Technologists and Technicians	---	---
Engineering and Science Technicians	5	3.9
Technicians, Exc Health/Engineering/Science	15	15.4
Sales		
Supervisors and Proprietors, Sales Occupations	18	6.2
Sales Reps, Finance and Business Services	3	2.0
Sales Reps, Commodities, Except Retail	3	3.6
Sales Workers, Retail & Personal Services	15	3.1
Sales Related Occupations	---	---
Clerical		
Supervisors, Administrative Support	---	---
Computer Equipment Operators	---	---
Secretaries, Stenographers, and Typists	---	---
Financial Records Processing	---	---
Mail and Message Distribution	---	---
Other Admin. Support, Including Clerical	4	0.7

DETAILED OCCUPATION	NO. OF DEATHS	RATE
Service		
Private Household Service Occupations	---	---
Protective Service	28	18.9
Food Service	---	---
Health Service	---	---
Cleaning and Building Service	10	4.4
Personal Service	---	---
Farm/For/Fish		
Farm Operators and Managers	31	22.2
Farm Workers and Related Occupations	23	11.9
Forestry and Fishing Occupations	8	---
Crafts		
Mechanics and Repairers	21	6.2
Construction Trades	56	14.5
Other Precision Production, Craft, and Repair	45	12.9
Mach Operators		
Machine Operators/Tenders, Except Precision	8	4.8
Fabricators, Assemblers, Inspectors, Samplers	11	9.2
Transport		
Motor Vehicle Operators	104	38.8
Other Transport and Material Moving Occ	34	28.4
Laborers		
Construction Laborers	33	41.0
Freight, Stock, & Materials Handlers	5	5.2
Other Handlers, Equip. Cleaner, Helper, Laborer	21	13.8
Other or Not Classified	19	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for "unknown" or "not classified" categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

## State of New York

### Traumatic Occupational Fatalities (1980-1995):

Number: 3,567

Rate: 2.8 per 100,000 workers

### Leading Causes of Death (1980-1995):

Homicide - 876

Motor Vehicle - 603

### Industries with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Construction - 636

Rate: Mining - 17.0 per 100,000 workers

### Occupations with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Precision Production/Craft/Repair - 568

Rate: Farming/Forestry/Fishing - 13.9 per 100,000 workers

*Table NY-1. Number and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Year, New York, 1980-1995.*

YEAR OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
1980	193	2.6
1981	164	2.2
1982	196	2.7
1983	185	2.5
1984	152	2.0
1985	151	1.9
1986	165	2.1
1987	134	1.7
1988	165	2.0
1989	278	3.4
1990	300	3.6
1991	324	4.0
1992	295	3.7
1993	300	3.8
1994	310	3.9
1995	255	3.2
<b>Total</b>	<b>3,567</b>	<b>2.8</b>

**Table NY-2.** *Number\* and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Sex, Race, and Age Group, New York, 1980-1995.*

DEMOGRAPHICS	Total		YEAR OF DEATH					
			1980-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Sex								
Male	3,366	4.8	1,012	4.0	974	4.3	1,380	6.4
Female	200	0.4	29	0.1	68	0.4	103	0.6
Race								
White	2,362	2.2	741	1.9	760	2.2	861	2.6
Black	408	2.6	50	0.9	100	2.0	258	4.9
Other	282	6.0	5	0.4	22	1.4	255	12.9
Age Group								
16-17	33	1.5	10	1.1	11	1.4	12	2.2
18-19	86	2.2	36	2.2	27	2.1	23	2.4
20-24	330	2.3	115	1.9	100	2.2	115	3.0
25-34	935	2.8	239	2.0	282	2.5	414	3.9
35-44	816	2.7	200	2.1	220	2.2	396	3.7
45-54	628	2.7	195	2.4	171	2.4	262	3.3
55-64	500	3.4	183	3.1	154	3.3	163	4.0
65+	217	5.6	60	4.3	69	5.7	88	6.8

\*Numbers not reported for "unknown" categories.

**Table NY-3.** *Number and Average Annual Rate\* (per 100,000 workers) of Traumatic Occupational Fatalities by Cause of Death, New York, 1980-1995.*

CAUSE OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
Homicide	876	0.7
Motor Vehicle	603	0.5
Fall	519	0.4
Machine	399	0.3
Struck by Falling Object	193	0.2
Electrocution	179	0.1
Suicide	101	0.1
Flying Object/Caught In	98	0.1
Explosion	83	0.1
Air Transport	82	0.1
Fire	70	0.1
Nature/Environment	57	< 0.1
Suffocation	53	< 0.1
Poisoning	39	< 0.1
Rail Transport	37	< 0.1
Drowning	33	< 0.1
Water Transport	26	< 0.1
Other	93	0.1
Unknown\Undetermined	26	---

\*Rates not calculated for "unknown" or "not classified" categories.

**Table NY-4.** Number<sup>\*†</sup> and Rate<sup>†‡§</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Industry and Occupation Division, New York, 1983-1995.

INDUSTRY/ OCCUPATION DIVISION	Total		YEAR OF DEATH					
			1983-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Industry Division								
Ag/For/Fish	175	13.8	53	17.1	66	14.1	56	11.5
Mining	15	17.0	4	15.4	11	29.0	---	---
Construction	636	11.4	132	12.1	263	10.8	241	11.7
Manufacturing	313	1.9	70	1.7	127	2.0	116	2.1
Trans/Comm/PU	535	6.5	86	4.6	149	4.7	300	9.5
Wholesale Trade	71	2.0	17	2.0	25	1.8	29	2.2
Retail Trade	434	2.8	27	0.8	108	1.8	299	5.1
Finance/Insur/RE	55	0.6	---	---	---	---	33	0.9
Services	440	1.1	46	0.6	157	1.1	237	1.5
Public Admin	132	2.5	23	2.1	45	2.2	64	3.1
Not Classified	208	---	28	---	71	---	109	---
Occupation Division								
Exec/Adm/Mgr	183	1.3	24	0.9	62	1.1	97	1.8
Prof/Spec	136	0.8	13	0.4	37	0.6	86	1.3
Tech/Support	54	1.7	15	2.1	14	1.2	25	1.9
Sales	277	2.4	19	0.7	76	1.6	182	4.0
Clerical	80	0.4	6	0.1	32	0.4	42	0.6
Service	326	2.1	41	1.2	104	1.8	181	2.9
Farm/For/Fish	200	13.9	62	16.8	76	14.2	62	11.7
Crafts	568	5.4	118	4.9	241	5.6	209	5.5
Mach Operators	118	2.1	23	1.6	47	2.1	48	2.6
Transport	467	12.0	79	9.6	135	8.8	253	16.3
Laborers	473	13.8	70	9.4	176	12.7	227	17.4
Not Classified	132	---	18	---	42	---	72	---

\*Numbers not reported for cells with less than 3 deaths.

†Numbers and rates not reported for some cells with 3 or more deaths to meet confidentiality requirements.

‡Rates not calculated for "unknown" or "not classified" categories.

§Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table NY-5.** Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Industry Groupings, New York, 1983-1995.

DETAILED INDUSTRY	NO. OF DEATHS	RATE	DETAILED INDUSTRY	NO. OF DEATHS	RATE
Ag/For/Fish			Retail Trade		
Ag Production	131	18.7	Food Stores	151	5.0
Ag Services	36	6.8	Motor Veh/Auto Supply Dealer	61	4.7
Forestry & Fisheries	8	22.1	Apparel & Accessory Stores	17	1.5
Mining			Eating & Drinking Places	91	2.1
Metal/Coal/Nonmetal Mining	10	15.5	Other Retail Trade	114	2.0
Oil and Gas Extraction	5	21.0	Finance/Insur/RE		
Construction	636	11.4	Banking and Other Finance	12	0.2
Manufacturing			Insurance and Real Estate	43	1.0
Food & Kindred Prod	26	2.6	Services		
Textile Mill Prod	5	1.4	Business Services	94	1.8
Apparel & Other Textile Pr	3	0.2	Automobile and Repair Services	95	6.3
Paper & Allied Products	14	2.7	Private Household Services	9	0.9
Printing/Publishing/Allied	15	0.7	Pers Serv Exc Priv Household	52	1.9
Chemical/Petroleum/Rubber	32	2.5	Entertainment & Rec Services	35	2.1
Lumber & Wood	51	23.5	Hospitals	22	0.4
Furniture	4	1.2	Health Services, Exc Hosp	23	0.5
Stone/Clay/Concrete	20	4.0	Educational Services	50	0.6
Primary Metals	22	5.7	Other Professional Services	60	0.8
Fabricated Metals	13	1.8	Public Admin		
Mach, Ex Elect	19	0.9	Justice, Pub Order, & Safety	92	3.8
Elect Mach, Equip Supplies	9	0.6	Admin of Hum Res Programs	4	0.6
Motor Vehicles Equip	12	2.2	National Sec/Internal Affairs	6	1.9
Aircraft & Parts	4	1.6	Other Pub Admin	30	1.6
Other Transport Equip	7	2.7	Not Classified	208	---
Prof & Photo Equip/Watches	---	---			
Toys/Amusement/Sporting Goods	---	---			
Misc & NEC Industries	55	7.1			
Trans/Comm/PU					
Trucking/Warehousing/Storage	151	11.9			
Other Transportation	296	7.1			
Telephone Communications	9	0.9			
Other Communications	8	1.5			
Electric Light and Power	31	7.2			
Other Utility/Sanitary Service	40	5.0			
Wholesale Trade	71	2.0			

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for “unknown” or “not classified” categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table NY-6. Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Occupation Groupings, New York, 1983-1995.**



DETAILED OCCUPATION	NO. OF DEATHS	RATE
Exec/Adm/Mgr		
Officials & Administrators, Public Admin	6	1.2
Other Executive, Admin & Managerial	158	1.7
Management Related Occupations	19	0.5
Prof/Spec		
Engineers	26	1.6
Mathematical and Computer Scientists	5	0.6
Natural Scientists	12	3.7
Health Diagnosing Occupations	7	0.7
Health Assessment and Treatment Occupations	8	0.3
Teachers, College and University	3	0.4
Teachers, Except College and University	17	0.4
Lawyers and Judges	3	0.3
Other Professional Specialty Occupations	55	1.2
Tech/Support		
Health Technologists and Technicians	6	0.5
Engineering and Science Technicians	11	1.3
Technicians, Exc Health/Engineering/Science	37	3.2
Sales		
Supervisors and Proprietors, Sales Occupations	163	5.2
Sales Reps, Finance and Business Services	19	0.8
Sales Reps, Commodities, Except Retail	8	0.6
Sales Workers, Retail & Personal Services	86	1.7
Sales Related Occupations	---	---
Clerical		
Supervisors, Administrative Support	---	---
Computer Equipment Operators	---	---
Secretaries, Stenographers, and Typists	10	0.2
Financial Records Processing	4	0.2
Mail and Message Distribution	19	1.6
Other Admin. Support, Including Clerical	44	0.5

DETAILED OCCUPATION	NO. OF DEATHS	RATE
Service		
Private Household Service Occupations	4	0.5
Protective Service	151	5.7
Food Service	50	1.2
Health Service	10	0.4
Cleaning and Building Service	85	2.9
Personal Service	26	1.3
Farm/For/Fish		
Farm Operators and Managers	106	26.0
Farm Workers and Related Occupations	58	6.1
Forestry and Fishing Occupations	36	51.1
Crafts		
Mechanics and Repairers	152	4.3
Construction Trades	327	8.3
Other Precision Production, Craft, and Repair	89	3.0
Mach Operators		
Machine Operators/Tenders, Except Precision	76	1.9
Fabricators, Assemblers, Inspectors, Samplers	42	2.6
Transport		
Motor Vehicle Operators	374	11.5
Other Transport and Material Moving Occ	93	14.5
Laborers		
Construction Laborers	223	36.7
Freight, Stock, & Materials Handlers	90	6.8
Other Handlers, Equip. Cleaner, Helper, Laborer	160	10.6
Other or Not Classified	132	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for "unknown" or "not classified" categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

## State of North Carolina

### Traumatic Occupational Fatalities (1980-1995):

Number: 2,657

Rate: 5.4 per 100,000 workers

### Leading Causes of Death (1980-1995):

Motor Vehicle - 657

Machine - 382

### Industries with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Manufacturing - 454

Rate: Agriculture/Forestry/Fisheries - 20.6 per 100,000 workers

### Occupations with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Precision Production/Craft/Repair - 412

Rate: Farming/Forestry/Fishing - 26.6 per 100,000 workers

**Table NC-1.** *Number and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Year, North Carolina, 1980-1995.*

YEAR OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
1980	218	8.4
1981	159	6.0
1982	173	6.5
1983	164	6.1
1984	162	5.7
1985	198	6.7
1986	87	2.9
1987	182	5.8
1988	188	5.9
1989	184	5.6
1990	146	4.4
1991	169	5.1
1992	133	4.0
1993	170	5.0
1994	165	4.8
1995	159	4.6
<b>Total</b>	<b>2,657</b>	<b>5.4</b>

**Table NC-2.** *Number\* and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Sex, Race, and Age Group, North Carolina, 1980-1995.*

DEMOGRAPHICS	Total		YEAR OF DEATH					
			1980-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Sex								
Male	2,483	9.3	1,023	11.2	738	8.5	722	8.0
Female	174	0.8	51	0.7	49	0.7	74	0.9
Race								
White	2,017	5.1	820	6.2	589	4.6	608	4.6
Black	579	6.2	233	8.1	185	6.1	161	4.7
Other	52	6.4	20	8.0	9	3.7	23	7.3
Age Group								
16-17	23	2.1	10	2.3	8	2.2	5	1.5
18-19	62	3.7	26	4.1	22	3.9	14	2.8
20-24	284	5.0	129	6.3	90	4.8	65	3.6
25-34	639	4.7	267	5.8	194	4.2	178	4.0
35-44	574	4.7	202	5.5	169	4.3	203	4.5
45-54	424	5.0	168	6.1	120	4.6	136	4.3
55-64	393	7.7	168	9.2	113	6.8	112	6.8
65+	255	18.0	102	21.1	71	16.7	82	16.1

\*Numbers not reported for "unknown" categories.

**Table NC-3.** *Number and Average Annual Rate\* (per 100,000 workers) of Traumatic Occupational Fatalities by Cause of Death, North Carolina, 1980-1995.*

CAUSE OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
Motor Vehicle	657	1.3
Machine	382	0.8
Homicide	380	0.8
Fall	261	0.5
Struck by Falling Object	219	0.4
Electrocution	180	0.4
Nature/Environment	89	0.2
Suicide	82	0.2
Fire	70	0.1
Explosion	56	0.1
Air Transport	53	0.1
Suffocation	42	0.1
Flying Object/Caught In	39	0.1
Water Transport	38	0.1
Drowning	25	0.1
Poisoning	18	< 0.1
Rail Transport	7	< 0.1
Other	54	0.1
Unknown\Undetermined	5	---

\*Rates not calculated for “unknown” or “not classified” categories.

**Table NC-4. Number\*† and Rate†‡§ (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Industry and Occupation Division, North Carolina, 1983-1995.**

INDUSTRY/ OCCUPATION DIVISION	Total		YEAR OF DEATH					
			1983-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Industry Division								
Ag/For/Fish	247	20.6	74	25.0	91	20.2	82	18.2
Mining	9	16.0	5	---	---	---	---	---
Construction	422	14.9	88	17.0	186	15.6	148	13.2
Manufacturing	454	3.9	121	4.6	163	3.6	170	3.8
Trans/Comm/PU	329	13.2	96	18.5	122	13.1	111	10.6
Wholesale Trade	66	4.0	13	3.4	21	3.4	32	5.0
Retail Trade	218	3.4	54	4.3	71	2.8	93	3.5
Finance/Insur/RE	20	1.0	---	---	---	---	11	1.3
Services	192	1.6	33	1.4	73	1.6	86	1.7
Public Admin	96	7.2	21	9.0	30	5.7	45	7.7
Not Classified	54	---	18	---	19	---	17	---
Occupation Division								
Exec/Adm/Mgr	136	3.2	24	3.1	44	2.7	68	3.6
Prof/Spec	58	1.2	10	1.1	19	1.1	29	1.4
Tech/Support	40	3.3	9	4.2	21	4.7	10	1.8
Sales	171	3.6	49	5.0	51	2.8	71	3.7
Clerical	46	0.8	12	1.1	16	0.7	18	0.8
Service	133	2.7	20	2.0	54	2.9	59	2.8
Farm/For/Fish	335	26.6	105	33.3	114	23.8	116	24.8
Crafts	412	7.5	85	7.8	175	7.9	152	6.9
Mach Operators	152	2.9	31	2.5	52	2.5	69	3.5
Transport	381	20.9	106	27.8	150	21.0	125	17.1
Laborers	191	9.3	54	12.3	73	8.9	64	8.0
Not Classified	52	---	19	---	18	---	15	---

\*Numbers not reported for cells with less than 3 deaths.

†Numbers and rates not reported for some cells with 3 or more deaths to meet confidentiality requirements.

‡Rates not calculated for "unknown" or "not classified" categories.

§Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table NC-5.** Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Industry Groupings, North Carolina, 1983-1995.

DETAILED INDUSTRY	NO. OF DEATHS	RATE	DETAILED INDUSTRY	NO. OF DEATHS	RATE
Ag/For/Fish			Retail Trade		
Ag Production	184	22.0	Food Stores	64	6.2
Ag Services	32	12.0	Motor Veh/Auto Supply Dealer	37	4.7
Forestry & Fisheries	31	32.6	Apparel & Accessory Stores	3	0.9
Mining			Eating & Drinking Places	30	1.7
Metal/Coal/Nonmetal Mining	7	13.2	Other Retail Trade	84	3.4
Oil and Gas Extraction	---	---	Finance/Insur/RE		
Construction	422	14.9	Banking and Other Finance	3	0.3
Manufacturing			Insurance and Real Estate	17	1.5
Food & Kindred Prod	45	6.5	Services		
Textile Mill Prod	64	2.3	Business Services	31	2.7
Apparel & Other Textile Pr	5	0.5	Automobile and Repair Services	52	7.9
Paper & Allied Products	11	3.0	Private Household Services	6	1.5
Printing/Publishing/Allied	8	1.8	Pers Serv Exc Priv Household	17	1.6
Chemical/Petroleum/Rubber	29	2.8	Entertainment & Rec Services	13	3.4
Lumber & Wood	149	30.2	Hospitals	15	1.0
Furniture	26	2.2	Health Services, Exc Hosp	16	1.1
Stone/Clay/Concrete	19	6.4	Educational Services	18	0.6
Primary Metals	11	6.5	Other Professional Services	24	1.2
Fabricated Metals	11	3.1	Public Admin		
Mach, Ex Elect	18	2.0	Justice, Pub Order, & Safety	51	9.7
Elect Mach, Equip Supplies	10	1.3	Admin of Hum Res Programs	---	---
Motor Vehicles Equip	6	2.1	National Sec/Internal Affairs	12	8.8
Aircraft & Parts	---	---	Other Pub Admin	30	5.6
Other Transport Equip	3	2.9	Not Classified	57	---
Prof & Photo Equip/Watches	3	2.1			
Toys/Amusement/Sporting Goods	---	---			
Misc & NEC Industries	34	7.5			
Trans/Comm/PU					
Trucking/Warehousing/Storage	172	20.8			
Other Transportation	79	12.3			
Telephone Communications	12	3.6			
Other Communications	6	4.5			
Electric Light and Power	33	9.7			
Other Utility/Sanitary Service	27	12.4			
Wholesale Trade	66	4.0			

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for “unknown” or “not classified” categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table NC-6.** Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Occupation Groupings, North Carolina, 1983-1995.



DETAILED OCCUPATION	NO. OF DEATHS	RATE
Exec/Adm/Mgr		
Officials & Administrators, Public Admin	3	2.0
Other Executive, Admin & Managerial	119	3.8
Management Related Occupations	14	1.4
Prof/Spec		
Engineers	18	3.5
Mathematical and Computer Scientists	3	1.7
Natural Scientists	---	---
Health Diagnosing Occupations	3	1.3
Health Assessment and Treatment Occupations	5	0.7
Teachers, College and University	---	---
Teachers, Except College and University	7	0.5
Lawyers and Judges	3	2.2
Other Professional Specialty Occupations	15	1.3
Tech/Support		
Health Technologists and Technicians	4	0.9
Engineering and Science Technicians	10	2.3
Technicians, Exc Health/Engineering/Science	26	7.6
Sales		
Supervisors and Proprietors, Sales Occupations	97	6.9
Sales Reps, Finance and Business Services	9	1.5
Sales Reps, Commodities, Except Retail	11	2.0
Sales Workers, Retail & Personal Services	54	2.6
Sales Related Occupations	---	---
Clerical		
Supervisors, Administrative Support	---	---
Computer Equipment Operators	---	---
Secretaries, Stenographers, and Typists	5	0.4
Financial Records Processing	---	---
Mail and Message Distribution	4	1.7
Other Admin. Support, Including Clerical	34	1.2

DETAILED OCCUPATION	NO. OF DEATHS	RATE
Service		
Private Household Service Occupations	4	1.3
Protective Service	60	10.9
Food Service	10	0.6
Health Service	4	0.6
Cleaning and Building Service	49	5.1
Personal Service	6	0.7
Farm/For/Fish		
Farm Operators and Managers	133	31.4
Farm Workers and Related Occupations	84	11.7
Forestry and Fishing Occupations	118	98.6
Crafts		
Mechanics and Repairers	118	6.3
Construction Trades	226	11.5
Other Precision Production, Craft, and Repair	68	4.1
Mach Operators		
Machine Operators/Tenders, Except Precision	116	2.9
Fabricators, Assemblers, Inspectors, Samplers	36	2.7
Transport		
Motor Vehicle Operators	308	22.8
Other Transport and Material Moving Occ	73	15.5
Laborers		
Construction Laborers	106	48.1
Freight, Stock, & Materials Handlers	37	4.3
Other Handlers, Equip. Cleaner, Helper, Laborer	48	4.9
Other or Not Classified	52	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for "unknown" or "not classified" categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

## State of North Dakota

### Traumatic Occupational Fatalities (1980-1995):

Number: 441

Rate: 8.9 per 100,000 workers

### Leading Causes of Death (1980-1995):

Machine - 124

Motor Vehicle - 97

### Industries with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Agriculture/Forestry/Fisheries - 129

Rate: Mining - 29.0 per 100,000 workers

### Occupation with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Farming/Forestry/Fishing - 127

Rate: Farming/Forestry/Fishing - 22.5 per 100,000 workers

**Table ND-1.** *Number and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Year, North Dakota, 1980-1995.*

YEAR OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
1980	35	11.6
1981	37	12.0
1982	35	11.9
1983	23	7.7
1984	32	10.3
1985	25	7.8
1986	29	9.2
1987	31	10.0
1988	24	7.7
1989	32	10.2
1990	20	6.5
1991	24	8.0
1992	20	6.7
1993	31	10.1
1994	19	5.9
1995	24	7.4
<b>Total</b>	<b>441</b>	<b>8.9</b>

**Table ND-2. Number<sup>\*†‡</sup> and Rate<sup>§</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Sex, Race, and Age Group, North Dakota, 1980-1995.**

DEMOGRAPHICS	Total		YEAR OF DEATH					
			1980-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Sex								
Male	418	15.2	175	16.4	129	15.0	114	13.9
Female	23	1.1	12	1.6	7	1.0	4	0.6
Race								
White	431	9.0	184	10.3	133	8.8	114	7.6
Black	---	---	---	---	---	---	---	---
Other	8	6.2	---	---	3	7.2	---	---
Age Group								
16-17	---	---	---	---	---	---	---	---
18-19	16	8.2	11	14.0	---	---	---	---
20-24	59	9.5	37	14.2	10	5.4	12	6.8
25-34	93	6.9	43	8.0	25	5.6	25	6.7
35-44	63	5.6	27	7.9	20	5.3	16	3.9
45-54	74	9.9	27	10.2	21	9.5	26	10.0
55-64	74	13.9	22	10.3	29	17.6	23	14.7
65+	60	30.5	19	25.3	27	44.7	14	22.9

\*Numbers not reported for cells with less than 3 deaths.

†Numbers not reported for “unknown” categories.

‡Numbers and rates not reported for some cells with 3 or more deaths to meet confidentiality requirements.

§Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table ND-3.** *Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Cause of Death, North Dakota, 1980-1995.*

CAUSE OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
Machine	124	2.5
Motor Vehicle	97	2.0
Fall	41	0.8
Struck by Falling Object	29	0.6
Air Transport	27	0.5
Electrocution	25	0.5
Explosion	13	0.3
Poisoning	13	0.3
Suffocation	12	0.2
Fire	9	0.2
Nature/Environment	9	0.2
Suicide	9	0.2
Flying Object/Caught In	5	0.1
Rail Transport	5	0.1
Drowning	4	0.1
Homicide	4	0.1
Water Transport	---	---
Other	14	0.3
Unknown\Undetermined	---	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for “unknown” or “not classified” categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table ND-4.** Number<sup>\*†</sup> and Rate<sup>†‡§</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Industry and Occupation Division, North Dakota, 1983-1995.

INDUSTRY/ OCCUPATION DIVISION	Total		YEAR OF DEATH					
			1983-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Industry Division								
Ag/For/Fish	129	22.7	29	17.9	63	29.5	37	19.3
Mining	18	29.0	6	23.9	7	33.7	5	---
Construction	52	23.1	13	24.6	14	16.5	25	28.6
Manufacturing	15	6.6	---	---	8	9.4	---	---
Trans/Comm/PU	51	19.6	14	22.8	16	15.7	21	21.6
Wholesale Trade	15	7.7	4	8.0	4	5.4	7	9.8
Retail Trade	8	1.1	---	---	4	1.5	---	---
Finance/Insur/RE	---	---	---	---	---	---	---	---
Services	29	2.1	4	1.4	13	2.4	12	2.2
Public Admin	3	1.7	---	---	---	---	---	---
Not Classified	12	---	3	---	5	---	4	---
Occupation Division								
Exec/Adm/Mgr	9	2.3	---	---	---	---	4	2.4
Prof/Spec	15	2.9	---	---	---	---	8	4.0
Tech/Support	8	7.3	---	---	---	---	5	11.3
Sales	11	2.3	---	---	7	3.8	---	---
Clerical	8	1.5	---	---	---	---	3	1.5
Service	7	1.1	---	---	---	---	4	1.6
Farm/For/Fish	127	22.5	29	17.8	61	28.5	37	19.6
Crafts	64	17.5	17	18.8	23	16.5	24	17.6
Mach Operators	5	4.5	3	14.1	---	---	---	---
Transport	37	19.5	10	21.1	13	18.8	14	19.2
Laborers	28	19.8	7	23.3	11	19.8	10	18.0
Not Classified	15	---	4	---	7	---	4	---

\*Numbers not reported for cells with less than 3 deaths.

†Numbers and rates not reported for some cells with 3 or more deaths to meet confidentiality requirements.

‡Rates not calculated for "unknown" or "not classified" categories.

§Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table ND-5.** Number\* and Average Annual Rate†‡ (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Industry Groupings, North Dakota, 1983-1995.

DETAILED INDUSTRY	NO. OF DEATHS	RATE	DETAILED INDUSTRY	NO. OF DEATHS	RATE
Ag/For/Fish			Retail Trade		
Ag Production	126	23.0	Food Stores	3	2.9
Ag Services	3	---	Motor Veh/Auto Supply Dealer	4	3.9
Forestry & Fisheries	---	---	Apparel & Accessory Stores	---	---
Mining			Eating & Drinking Places	---	---
Metal/Coal/Nonmetal Mining	4	---	Other Retail Trade	---	---
Oil and Gas Extraction	14	30.3	Finance/Insur/RE		
Construction	52	23.1	Banking and Other Finance	---	---
Manufacturing			Insurance and Real Estate	---	---
Food & Kindred Prod	4	6.1	Services		
Textile Mill Prod	---	---	Business Services	---	---
Apparel & Other Textile Pr	---	---	Automobile and Repair Services	13	22.5
Paper & Allied Products	---	---	Private Household Services	---	---
Printing/Publishing/Allied	---	---	Pers Serv Exc Priv Household	---	---
Chemical/Petroleum/Rubber	3	---	Entertainment & Rec Services	---	---
Lumber & Wood	---	---	Hospitals	---	---
Furniture	---	---	Health Services, Exc Hosp	---	---
Stone/Clay/Concrete	---	---	Educational Services	3	0.7
Primary Metals	---	---	Other Professional Services	4	1.6
Fabricated Metals	---	---	Public Admin		
Mach, Ex Elect	5	14.9	Justice, Pub Order, & Safety	---	---
Elect Mach, Equip Supplies	---	---	Admin of Hum Res Programs	---	---
Motor Vehicles Equip	---	---	National Sec/Internal Affairs	---	---
Aircraft & Parts	---	---	Other Pub Admin	---	---
Other Transport Equip	---	---	Not Classified	12	---
Prof & Photo Equip/Watches	---	---			
Toys/Amusement/Sporting Goods	---	---			
Misc & NEC Industries	---	---			
Trans/Comm/PU					
Trucking/Warehousing/Storage	14	17.9			
Other Transportation	26	35.2			
Telephone Communications	---	---			
Other Communications	---	---			
Electric Light and Power	7	17.1			
Other Utility/Sanitary Service	3	11.6			
Wholesale Trade	15	7.7			

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for “unknown” or “not classified” categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table ND-6. Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Occupation Groupings, North Dakota, 1983-1995.**



DETAILED OCCUPATION	NO. OF DEATHS	RATE
Exec/Adm/Mgr		
Officials & Administrators, Public Admin	---	---
Other Executive, Admin & Managerial	6	2.1
Management Related Occupations	3	3.3
Prof/Spec		
Engineers	6	23.5
Mathematical and Computer Scientists	---	---
Natural Scientists	---	---
Health Diagnosing Occupations	3	13.9
Health Assessment and Treatment Occupations	---	---
Teachers, College and University	---	---
Teachers, Except College and University	3	1.8
Lawyers and Judges	---	---
Other Professional Specialty Occupations	3	2.5
Tech/Support		
Health Technologists and Technicians	---	---
Engineering and Science Technicians	---	---
Technicians, Exc Health/Engineering/Science	6	25.8
Sales		
Supervisors and Proprietors, Sales Occupations	5	3.1
Sales Reps, Finance and Business Services	3	4.9
Sales Reps, Commodities, Except Retail	---	---
Sales Workers, Retail & Personal Services	---	---
Sales Related Occupations	---	---
Clerical		
Supervisors, Administrative Support	---	---
Computer Equipment Operators	---	---
Secretaries, Stenographers, and Typists	---	---
Financial Records Processing	---	---
Mail and Message Distribution	5	20.3
Other Admin. Support, Including Clerical	3	1.3

DETAILED OCCUPATION	NO. OF DEATHS	RATE
Service		
Private Household Service Occupations	---	---
Protective Service	---	---
Food Service	---	---
Health Service	---	---
Cleaning and Building Service	---	---
Personal Service	---	---
Farm/For/Fish		
Farm Operators and Managers	114	27.7
Farm Workers and Related Occupations	13	8.5
Forestry and Fishing Occupations	---	---
Crafts		
Mechanics and Repairers	22	16.0
Construction Trades	31	22.8
Other Precision Production, Craft, and Repair	11	11.8
Mach Operators		
Machine Operators/Tenders, Except Precision	3	4.7
Fabricators, Assemblers, Inspectors, Samplers	---	---
Transport		
Motor Vehicle Operators	27	20.1
Other Transport and Material Moving Occ	10	18.0
Laborers		
Construction Laborers	17	80.1
Freight, Stock, & Materials Handlers	---	---
Other Handlers, Equip. Cleaner, Helper, Laborer	10	14.5
Other or Not Classified	15	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for "unknown" or "not classified" categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

## State of Ohio

### Traumatic Occupational Fatalities (1980-1995):

Number: 2,662

Rate: 3.4 per 100,000 workers

### Leading Causes of Death (1980-1995):

Motor Vehicle - 669

Machine - 490

### Industries with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Manufacturing - 430

Rate: Mining - 20.5 per 100,000 workers

### Occupations with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Precision Production/Craft/Repair - 461

Rate: Transportation/Material Movers - 15.6 per 100,000 workers

**Table OH-1.** *Number and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Year, Ohio, 1980-1995.*

YEAR OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
1980	228	4.8
1981	203	4.3
1982	196	4.4
1983	178	4.0
1984	177	3.8
1985	208	4.4
1986	165	3.4
1987	155	3.2
1988	183	3.7
1989	151	2.9
1990	164	3.2
1991	132	2.6
1992	94	1.8
1993	114	2.2
1994	162	3.1
1995	152	2.9
<b>Total</b>	<b>2,662</b>	<b>3.4</b>

**Table OH-2.** Number\* and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Sex, Race, and Age Group, Ohio, 1980-1995.

DEMOGRAPHICS	Total		YEAR OF DEATH					
			1980-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Sex								
Male	2,548	5.9	1,152	7.3	783	5.7	613	4.4
Female	114	0.3	38	0.3	35	0.3	41	0.3
Race								
White	2,445	3.4	1,107	4.4	749	3.3	589	2.5
Black	197	3.0	77	3.4	64	3.0	56	2.5
Other	16	2.3	3	1.7	4	2.1	9	2.8
Age Group								
16-17	25	1.3	14	1.9	8	1.2	3	0.5
18-19	76	2.6	41	3.6	28	2.8	7	0.8
20-24	276	2.9	139	3.7	89	3.0	48	1.7
25-34	645	3.0	283	3.7	212	3.0	150	2.2
35-44	557	2.9	219	3.8	177	2.9	161	2.3
45-54	474	3.6	211	4.6	130	3.2	133	2.8
55-64	409	4.9	195	5.7	123	4.9	91	3.8
65+	200	10.0	88	13.0	51	8.3	61	8.6

\*Numbers not reported for "unknown" categories.

**Table OH-3.** *Number and Average Annual Rate\* (per 100,000 workers) of Traumatic Occupational Fatalities by Cause of Death, Ohio, 1980-1995.*

CAUSE OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
Motor Vehicle	669	0.9
Machine	490	0.6
Fall	289	0.4
Electrocution	235	0.3
Struck by Falling Object	152	0.2
Explosion	107	0.1
Flying Object/Caught In	66	0.1
Fire	62	0.1
Nature/Environment	62	0.1
Poisoning	59	0.1
Suffocation	58	0.1
Air Transport	57	0.1
Homicide	53	0.1
Rail Transport	30	< 0.1
Drowning	20	< 0.1
Suicide	16	< 0.1
Water Transport	11	< 0.1
Other	223	0.3
Unknown\Undetermined	3	---

\*Rates not calculated for "unknown" or "not classified" categories.

**Table OH-4.** *Number and Rate\* (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Industry and Occupation Division, Ohio, 1983-1995.*

INDUSTRY/ OCCUPATION DIVISION	Total		YEAR OF DEATH					
			1983-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Industry Division								
Ag/For/Fish	181	13.9	43	14.5	76	15.2	62	12.2
Mining	53	20.5	16	18.1	21	23.5	16	19.8
Construction	395	11.6	114	17.8	178	13.0	103	7.4
Manufacturing	430	2.8	126	3.5	181	3.0	123	2.1
Trans/Comm/PU	396	9.9	104	12.0	151	9.5	141	9.0
Wholesale Trade	64	2.5	16	2.7	22	2.2	26	2.6
Retail Trade	140	1.2	36	1.5	35	0.8	69	1.5
Finance/Insur/RE	16	0.4	3	0.4	5	0.4	8	0.5
Services	186	0.9	48	1.2	84	1.1	54	0.6
Public Admin	62	2.6	20	4.4	21	2.2	21	2.1
Not Classified	112	---	37	---	44	---	31	---
Occupation Division								
Exec/Adm/Mgr	121	1.6	34	2.4	32	1.2	55	1.7
Prof/Spec	52	0.6	12	0.7	24	0.7	16	0.4
Tech/Support	41	2.0	10	2.2	15	2.0	16	1.9
Sales	89	1.2	19	1.2	25	0.9	45	1.5
Clerical	40	0.4	16	0.8	8	0.2	16	0.4
Service	96	1.1	25	1.3	35	1.1	36	1.0
Farm/For/Fish	202	14.5	53	16.5	81	15.4	68	12.5
Crafts	461	6.1	126	7.5	213	7.2	122	4.2
Mach Operators	134	2.2	40	2.9	53	2.2	41	1.8
Transport	454	15.6	118	18.7	186	16.6	150	13.0
Laborers	259	8.9	79	13.4	109	9.4	71	6.2
Not Classified	86	---	31	---	37	---	18	---

\*Rates not calculated for "unknown" or "not classified" categories.

**Table OH-5.** Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Industry Groupings, Ohio, 1983-1995.

DETAILED INDUSTRY	NO. OF DEATHS	RATE	DETAILED INDUSTRY	NO. OF DEATHS	RATE
Ag/For/Fish			Retail Trade		
Ag Production	152	17.0	Food Stores	25	1.4
Ag Services	25	6.3	Motor Veh/Auto Supply Dealer	27	2.2
Forestry & Fisheries	4	---	Apparel & Accessory Stores	---	---
Mining			Eating & Drinking Places	26	0.7
Metal/Coal/Nonmetal Mining	24	13.5	Other Retail Trade	61	1.4
Oil and Gas Extraction	29	36.1	Finance/Insur/RE		
Construction	395	11.6	Banking and Other Finance	5	0.3
Manufacturing			Insurance and Real Estate	11	0.5
Food & Kindred Prod	26	3.2	Services		
Textile Mill Prod	---	---	Business Services	39	1.7
Apparel & Other Textile Pr	---	---	Automobile and Repair Services	56	5.8
Paper & Allied Products	12	2.3	Private Household Services	---	---
Printing/Publishing/Allied	11	0.9	Pers Serv Exc Priv Household	15	1.0
Chemical/Petroleum/Rubber	49	2.3	Entertainment & Rec Services	19	2.4
Lumber & Wood	40	16.8	Hospitals	11	0.4
Furniture	3	1.1	Health Services, Exc Hosp	4	0.1
Stone/Clay/Concrete	14	2.7	Educational Services	18	0.4
Primary Metals	105	8.9	Other Professional Services	22	0.6
Fabricated Metals	29	2.1	Public Admin		
Mach, Ex Elect	31	1.4	Justice, Pub Order, & Safety	25	2.7
Elect Mach, Equip Supplies	6	0.5	Admin of Hum Res Programs	---	---
Motor Vehicles Equip	31	1.5	National Sec/Internal Affairs	4	1.0
Aircraft & Parts	4	0.9	Other Pub Admin	33	4.1
Other Transport Equip	---	---	Not Classified	112	---
Prof & Photo Equip/Watches	---	---			
Toys/Amusement/Sporting Goods	---	---			
Misc & NEC Industries	65	19.0			
Trans/Comm/PU					
Trucking/Warehousing/Storage	247	19.0			
Other Transportation	67	5.8			
Telephone Communications	8	1.5			
Other Communications	3	1.4			
Electric Light and Power	36	10.4			
Other Utility/Sanitary Service	35	7.8			
Wholesale Trade	64	2.5			

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for "unknown" or "not classified" categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table OH-6.** Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Occupation Groupings, Ohio, 1983-1995.



DETAILED OCCUPATION	NO. OF DEATHS	RATE
Exec/Adm/Mgr		
Officials & Administrators, Public Admin	---	---
Other Executive, Admin & Managerial	107	2.1
Management Related Occupations	13	0.7
Prof/Spec		
Engineers	18	1.7
Mathematical and Computer Scientists	---	---
Natural Scientists	4	2.1
Health Diagnosing Occupations	---	---
Health Assessment and Treatment Occupations	3	0.2
Teachers, College and University	---	---
Teachers, Except College and University	8	0.4
Lawyers and Judges	---	---
Other Professional Specialty Occupations	16	0.8
Tech/Support		
Health Technologists and Technicians	4	0.5
Engineering and Science Technicians	11	1.7
Technicians, Exc Health/Engineering/Science	26	4.6
Sales		
Supervisors and Proprietors, Sales Occupations	53	2.8
Sales Reps, Finance and Business Services	7	0.6
Sales Reps, Commodities, Except Retail	7	0.7
Sales Workers, Retail & Personal Services	22	0.6
Sales Related Occupations	---	---
Clerical		
Supervisors, Administrative Support	4	1.1
Computer Equipment Operators	---	---
Secretaries, Stenographers, and Typists	4	0.2
Financial Records Processing	---	---
Mail and Message Distribution	5	1.0
Other Admin. Support, Including Clerical	25	0.5

DETAILED OCCUPATION	NO. OF DEATHS	RATE
Service		
Private Household Service Occupations	---	---
Protective Service	33	3.3
Food Service	11	0.3
Health Service	---	---
Cleaning and Building Service	48	2.8
Personal Service	---	---
Farm/For/Fish		
Farm Operators and Managers	147	26.8
Farm Workers and Related Occupations	32	4.0
Forestry and Fishing Occupations	23	69.1
Crafts		
Mechanics and Repairers	118	4.8
Construction Trades	252	10.5
Other Precision Production, Craft, and Repair	91	3.4
Mach Operators		
Machine Operators/Tenders, Except Precision	94	2.5
Fabricators, Assemblers, Inspectors, Samplers	40	1.7
Transport		
Motor Vehicle Operators	368	17.3
Other Transport and Material Moving Occ	86	11.0
Laborers		
Construction Laborers	103	28.2
Freight, Stock, & Materials Handlers	22	2.0
Other Handlers, Equip. Cleaner, Helper, Laborer	134	9.5
Other or Not Classified	86	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for "unknown" or "not classified" categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

## State of Oklahoma

### Traumatic Occupational Fatalities (1980-1995):

Number: 1,328

Rate: 5.8 per 100,000 workers

### Leading Causes of Death (1980-1995):

Motor Vehicle - 217

Machine - 211

### Industries with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Construction - 174

Rate: Mining - 17.5 per 100,000 workers

### Occupations with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Precision Production/Craft/Repair - 243

Rate: Transportation/Material Movers - 20.5 per 100,000 workers

**Table OK-1.** *Number and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Year, Oklahoma, 1980-1995.*

YEAR OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
1980	74	5.7
1981	99	7.2
1982	91	6.6
1983	67	4.8
1984	84	5.7
1985	126	8.7
1986	101	6.9
1987	72	5.0
1988	88	6.2
1989	91	6.3
1990	57	4.0
1991	28	2.0
1992	41	2.9
1993	64	4.5
1994	72	5.0
1995	173	11.8
<b>Total</b>	<b>1,328</b>	<b>5.8</b>

**Table OK-2.** Number<sup>\*†‡</sup> and Rate<sup>§</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Sex, Race, and Age Group, Oklahoma, 1980-1995.

DEMOGRAPHICS	Total		YEAR OF DEATH					
			1980-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Sex								
Male	1,208	9.6	514	10.8	383	9.7	311	8.0
Female	119	1.2	27	0.7	26	0.8	66	2.0
Race								
White	1,233	6.1	517	6.9	378	6.0	338	5.4
Black	45	3.7	14	3.3	15	4.0	16	3.8
Other	42	3.1	10	2.6	10	2.0	22	4.5
Age Group								
16-17	22	4.1	14	6.5	---	---	---	---
18-19	49	5.8	35	10.2	9	3.6	5	2.0
20-24	164	6.1	97	7.8	37	4.8	30	4.5
25-34	350	5.8	144	6.4	119	5.9	87	4.9
35-44	265	4.9	99	5.9	81	4.5	85	4.4
45-54	221	5.6	61	4.5	70	5.7	90	6.6
55-64	166	6.9	59	6.5	55	7.6	52	6.8
65+	86	10.2	32	8.9	29	12.2	25	10.3

\*Numbers not reported for cells with less than 3 deaths.

†Numbers not reported for "unknown" categories.

‡Numbers and rates not reported for some cells with 3 or more deaths to meet confidentiality requirements.

§Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table OK-3.** *Number and Average Annual Rate\* (per 100,000 workers) of Traumatic Occupational Fatalities by Cause of Death, Oklahoma, 1980-1995.*

CAUSE OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
Motor Vehicle	217	1.0
Machine	211	0.9
Homicide	201	0.9
Electrocution	158	0.7
Fall	106	0.5
Nature/Environment	77	0.3
Explosion	69	0.3
Struck by Falling Object	69	0.3
Flying Object/Caught In	44	0.2
Fire	36	0.2
Air Transport	27	0.1
Suffocation	26	0.1
Poisoning	18	0.1
Suicide	16	0.1
Drowning	12	0.1
Rail Transport	4	< 0.1
Water Transport	3	< 0.1
Other	31	0.1
Unknown\Undetermined	3	---

\*Rates not calculated for "unknown" or "not classified" categories.

**Table OK-4.** Number and Rate\* (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Industry and Occupation Division, Oklahoma, 1983-1995.

INDUSTRY/ OCCUPATION DIVISION	Total		YEAR OF DEATH					
			1983-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Industry Division								
Ag/For/Fish	92	10.6	24	12.0	37	12.1	31	8.6
Mining	124	17.5	46	18.5	51	19.2	27	14.0
Construction	174	15.5	53	17.5	70	16.6	51	12.9
Manufacturing	116	4.6	41	7.5	36	3.6	39	4.0
Trans/Comm/PU	159	12.3	39	14.1	77	14.7	43	8.7
Wholesale Trade	28	3.7	8	4.4	10	3.5	10	3.6
Retail Trade	79	2.5	15	2.0	37	3.0	27	2.3
Finance/Insur/RE	24	2.2	3	1.2	4	0.9	17	3.9
Services	83	1.4	15	1.2	33	1.4	35	1.4
Public Admin	127	11.5	17	6.5	27	6.3	83	20.4
Not Classified	58	---	16	---	27	---	15	---
Occupation Division								
Exec/Adm/Mgr	85	3.7	14	2.9	20	2.2	51	5.6
Prof/Spec	45	1.9	10	2.1	15	1.7	20	2.1
Tech/Support	21	3.5	5	3.5	7	3.1	9	3.8
Sales	56	2.4	13	2.5	22	2.5	21	2.4
Clerical	61	2.2	6	0.9	18	1.7	37	3.7
Service	64	2.4	10	1.7	29	2.8	25	2.5
Farm/For/Fish	87	9.9	23	11.0	36	11.4	28	7.9
Crafts	243	10.7	74	13.1	103	12.1	66	7.8
Mach Operators	45	4.1	15	6.4	16	3.7	14	3.3
Transport	172	20.5	45	21.7	73	23.1	54	17.2
Laborers	111	15.3	36	21.1	37	12.3	38	15.0
Not Classified	74	---	26	---	33	---	15	---

\*Rates not calculated for "unknown" or "not classified" categories.

**Table OK-5.** Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Industry Groupings, Oklahoma, 1983-1995.

DETAILED INDUSTRY	NO. OF DEATHS	RATE	DETAILED INDUSTRY	NO. OF DEATHS	RATE
Ag/For/Fish			Retail Trade		
Ag Production	78	11.4	Food Stores	16	2.9
Ag Services	10	6.4	Motor Veh/Auto Supply Dealer	15	4.0
Forestry & Fisheries	4	15.9	Apparel & Accessory Stores	---	---
Mining			Eating & Drinking Places	18	2.0
Metal/Coal/Nonmetal Mining	9	22.8	Other Retail Trade	30	2.5
Oil and Gas Extraction	115	17.2	Finance/Insur/RE		
Construction	174	15.5	Banking and Other Finance	14	3.0
Manufacturing			Insurance and Real Estate	10	1.6
Food & Kindred Prod	13	5.3	Services		
Textile Mill Prod	---	---	Business Services	15	2.6
Apparel & Other Textile Pr	---	---	Automobile and Repair Services	35	7.7
Paper & Allied Products	3	6.3	Private Household Services	---	---
Printing/Publishing/Allied	5	2.5	Pers Serv Exc Priv Household	13	2.5
Chemical/Petroleum/Rubber	33	12.8	Entertainment & Rec Services	4	1.8
Lumber & Wood	7	9.8	Hospitals	---	---
Furniture	---	---	Health Services, Exc Hosp	---	---
Stone/Clay/Concrete	7	4.6	Educational Services	7	0.5
Primary Metals	14	18.4	Other Professional Services	5	0.4
Fabricated Metals	9	4.8	Public Admin		
Mach, Ex Elect	9	1.7	Justice, Pub Order, & Safety	38	13.7
Elect Mach, Equip Supplies	---	---	Admin of Hum Res Programs	10	5.6
Motor Vehicles Equip	3	2.4	National Sec/Internal Affairs	9	3.0
Aircraft & Parts	---	---	Other Pub Admin	68	20.1
Other Transport Equip	---	---	Not Classified	60	---
Prof & Photo Equip/Watches	---	---			
Toys/Amusement/Sporting Goods	---	---			
Misc & NEC Industries	7	13.7			
Trans/Comm/PU					
Trucking/Warehousing/Storage	77	20.6			
Other Transportation	44	10.3			
Telephone Communications	4	2.8			
Other Communications	---	---			
Electric Light and Power	13	19.4			
Other Utility/Sanitary Service	20	9.9			
Wholesale Trade	28	3.7			

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for “unknown” or “not classified” categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table OK-6.** Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Occupation Groupings, Oklahoma, 1983-1995.



DETAILED OCCUPATION	NO. OF DEATHS	RATE
Exec/Adm/Mgr		
Officials & Administrators, Public Admin	18	14.1
Other Executive, Admin & Managerial	50	3.2
Management Related Occupations	17	2.8
Prof/Spec		
Engineers	15	6.3
Mathematical and Computer Scientists	---	---
Natural Scientists	3	3.6
Health Diagnosing Occupations	---	---
Health Assessment and Treatment Occupations	---	---
Teachers, College and University	---	---
Teachers, Except College and University	7	1.0
Lawyers and Judges	5	4.5
Other Professional Specialty Occupations	11	2.0
Tech/Support		
Health Technologists and Technicians	---	---
Engineering and Science Technicians	6	3.0
Technicians, Exc Health/Engineering/Science	14	8.1
Sales		
Supervisors and Proprietors, Sales Occupations	25	3.8
Sales Reps, Finance and Business Services	7	2.2
Sales Reps, Commodities, Except Retail	4	1.6
Sales Workers, Retail & Personal Services	20	1.9
Sales Related Occupations	---	---
Clerical		
Supervisors, Administrative Support	6	5.1
Computer Equipment Operators	---	---
Secretaries, Stenographers, and Typists	7	0.9
Financial Records Processing	---	---
Mail and Message Distribution	13	9.7
Other Admin. Support, Including Clerical	33	2.7

DETAILED OCCUPATION	NO. OF DEATHS	RATE
Service		
Private Household Service Occupations	---	---
Protective Service	39	14.6
Food Service	8	0.9
Health Service	3	0.8
Cleaning and Building Service	13	2.7
Personal Service	---	---
Farm/For/Fish		
Farm Operators and Managers	58	12.4
Farm Workers and Related Occupations	25	6.5
Forestry and Fishing Occupations	4	13.5
Crafts		
Mechanics and Repairers	51	6.2
Construction Trades	93	12.7
Other Precision Production, Craft, and Repair	99	14.0
Mach Operators		
Machine Operators/Tenders, Except Precision	20	3.2
Fabricators, Assemblers, Inspectors, Samplers	25	5.2
Transport		
Motor Vehicle Operators	119	19.4
Other Transport and Material Moving Occ	53	23.6
Laborers		
Construction Laborers	53	47.1
Freight, Stock, & Materials Handlers	6	2.5
Other Handlers, Equip. Cleaner, Helper, Laborer	52	14.1
Other or Not Classified	74	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for "unknown" or "not classified" categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

## State of Oregon

Traumatic Occupational Fatalities (1980-1995):

Number: 1,546

Rate: 7.3 per 100,000 workers

Leading Causes of Death (1980-1995):

Motor Vehicle - 396

Machine - 260

Industries with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Manufacturing - 401

Rate: Mining - 27.4 per 100,000 workers

Occupation with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Farming/Forestry/Fishing - 354

Rate: Farming/Forestry/Fishing - 41.8 per 100,000 workers

**Table OR-1.** *Number and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Year, Oregon, 1980-1995.*

YEAR OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
1980	115	9.7
1981	110	9.0
1982	74	6.3
1983	114	9.7
1984	111	9.3
1985	119	9.8
1986	119	9.5
1987	80	6.2
1988	84	6.3
1989	118	8.7
1990	111	7.9
1991	89	6.3
1992	80	5.6
1993	83	5.6
1994	73	4.7
1995	66	4.2
<b>Total</b>	<b>1,546</b>	<b>7.3</b>

**Table OR-2.** Number<sup>\*†‡</sup> and Rate<sup>§</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Sex, Race, and Age Group, Oregon, 1980-1995.

DEMOGRAPHICS	Total		YEAR OF DEATH					
			1980-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Sex								
Male	1,455	12.2	609	14.8	488	13.3	358	8.7
Female	91	1.0	34	1.1	24	0.8	33	1.0
Race								
White	1,474	7.3	621	9.1	495	7.8	358	5.1
Black	7	2.1	---	---	---	---	3	2.4
Other	50	7.3	19	8.6	10	4.9	21	8.0
Age Group								
16-17	20	3.8	11	5.7	---	---	---	---
18-19	27	3.8	14	5.2	9	3.9	4	1.9
20-24	148	6.7	74	8.6	46	7.1	28	4.0
25-34	408	7.2	174	8.3	138	7.7	96	5.4
35-44	373	6.4	150	8.9	119	6.2	104	4.6
45-54	284	7.8	106	9.6	92	8.5	86	5.8
55-64	193	9.3	77	10.0	79	12.5	37	5.6
65+	93	16.6	37	20.3	22	12.3	34	16.9

\*Numbers not reported for cells with less than 3 deaths.

†Numbers not reported for "unknown" categories.

‡Numbers and rates not reported for some cells with 3 or more deaths to meet confidentiality requirements.

§Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table OR-3.** *Number and Average Annual Rate\* (per 100,000 workers) of Traumatic Occupational Fatalities by Cause of Death, Oregon, 1980-1995.*

CAUSE OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
Motor Vehicle	396	1.9
Machine	260	1.2
Struck by Falling Object	169	0.8
Fall	124	0.6
Flying Object/Caught In	92	0.4
Water Transport	88	0.4
Homicide	81	0.4
Air Transport	76	0.4
Electrocution	60	0.3
Suicide	40	0.2
Nature/Environment	29	0.1
Drowning	26	0.1
Explosion	17	0.1
Fire	15	0.1
Poisoning	14	0.1
Rail Transport	13	0.1
Suffocation	11	0.1
Other	30	0.1
Unknown\Undetermined	5	---

\*Rates not calculated for “unknown” or “not classified” categories.

**Table OR-4.** Number<sup>\*†</sup> and Rate<sup>†‡§</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Industry and Occupation Division, Oregon, 1983-1995.

INDUSTRY/ OCCUPATION DIVISION	Total		YEAR OF DEATH					
			1983-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Industry Division								
Ag/For/Fish	177	19.9	53	21.4	63	20.1	61	18.5
Mining	7	27.4	---	---	3	---	---	---
Construction	169	16.8	46	26.3	65	18.7	58	12.0
Manufacturing	401	13.3	105	15.6	189	15.9	107	9.3
Trans/Comm/PU	204	18.2	53	22.6	88	19.5	63	14.4
Wholesale Trade	29	3.5	10	5.8	9	2.9	10	2.9
Retail Trade	67	2.1	17	2.6	27	2.3	23	1.7
Finance/Insur/RE	13	1.2	4	1.8	6	1.4	3	0.6
Services	103	1.8	30	2.8	31	1.4	42	1.6
Public Admin	42	5.9	12	8.3	17	6.8	13	4.1
Not Classified	35	---	11	---	14	---	10	---
Occupation Division								
Exec/Adm/Mgr	71	3.1	15	3.9	32	3.9	24	2.2
Prof/Spec	54	2.3	17	3.8	19	2.2	18	1.7
Tech/Support	35	7.8	10	11.3	15	9.5	10	5.0
Sales	49	2.3	11	2.5	23	2.8	15	1.6
Clerical	16	0.6	3	0.5	6	0.6	7	0.7
Service	52	2.2	16	3.2	18	2.0	18	1.8
Farm/For/Fish	354	41.8	117	51.4	143	45.5	94	30.8
Crafts	179	9.7	45	12.5	73	10.3	61	7.9
Mach Operators	53	5.0	14	6.2	25	5.6	14	3.6
Transport	271	34.5	67	39.7	113	37.4	91	29.0
Laborers	83	9.8	22	12.0	32	9.6	29	8.9
Not Classified	30	---	7	---	13	---	10	---

\*Numbers not reported for cells with less than 3 deaths.

†Numbers and rates not reported for some cells with 3 or more deaths to meet confidentiality requirements.

‡Rates not calculated for "unknown" or "not classified" categories.

§Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table OR-5.** Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Industry Groupings, Oregon, 1983-1995.

DETAILED INDUSTRY	NO. OF DEATHS	RATE	DETAILED INDUSTRY	NO. OF DEATHS	RATE
Ag/For/Fish			Retail Trade		
Ag Production	89	14.9	Food Stores	18	4.0
Ag Services	15	10.3	Motor Veh/Auto Supply Dealer	14	3.7
Forestry & Fisheries	73	49.1	Apparel & Accessory Stores	---	---
Mining			Eating & Drinking Places	21	2.2
Metal/Coal/Nonmetal Mining	7	33.0	Other Retail Trade	13	1.1
Oil and Gas Extraction	---	---	Finance/Insur/RE		
Construction	169	16.8	Banking and Other Finance	4	0.9
Manufacturing			Insurance and Real Estate	9	1.3
Food & Kindred Prod	10	2.9	Services		
Textile Mill Prod	4	---	Business Services	14	2.1
Apparel & Other Textile Pr	---	---	Automobile and Repair Services	24	7.1
Paper & Allied Products	5	2.9	Private Household Services	---	---
Printing/Publishing/Allied	---	---	Pers Serv Exc Priv Household	9	1.8
Chemical/Petroleum/Rubber	7	6.8	Entertainment & Rec Services	11	4.6
Lumber & Wood	332	47.9	Hospitals	6	1.0
Furniture	---	---	Health Services, Exc Hosp	11	1.5
Stone/Clay/Concrete	5	8.3	Educational Services	11	0.8
Primary Metals	6	3.8	Other Professional Services	17	1.5
Fabricated Metals	7	4.7	Public Admin		
Mach, Ex Elect	9	3.1	Justice, Pub Order, & Safety	23	8.6
Elect Mach, Equip Supplies	3	0.9	Admin of Hum Res Programs	---	---
Motor Vehicles Equip	---	---	National Sec/Internal Affairs	---	---
Aircraft & Parts	---	---	Other Pub Admin	17	5.6
Other Transport Equip	5	6.7	Not Classified	35	---
Prof & Photo Equip/Watches	---	---			
Toys/Amusement/Sporting Goods	---	---			
Misc & NEC Industries	4	5.2			
Trans/Comm/PU					
Trucking/Warehousing/Storage	119	35.7			
Other Transportation	65	17.3			
Telephone Communications	---	---			
Other Communications	3	5.0			
Electric Light and Power	7	5.3			
Other Utility/Sanitary Service	8	8.5			
Wholesale Trade	29	3.5			

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for “unknown” or “not classified” categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table OR-6.** Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Occupation Groupings, Oregon, 1983-1995.



DETAILED OCCUPATION	NO. OF DEATHS	RATE
Exec/Adm/Mgr		
Officials & Administrators, Public Admin	4	3.9
Other Executive, Admin & Managerial	57	3.4
Management Related Occupations	10	1.8
Prof/Spec		
Engineers	12	5.4
Mathematical and Computer Scientists	---	---
Natural Scientists	9	12.0
Health Diagnosing Occupations	5	3.3
Health Assessment and Treatment Occupations	6	1.7
Teachers, College and University	---	---
Teachers, Except College and University	6	0.9
Lawyers and Judges	---	---
Other Professional Specialty Occupations	13	2.2
Tech/Support		
Health Technologists and Technicians	---	---
Engineering and Science Technicians	---	---
Technicians, Exc Health/Engineering/Science	31	23.0
Sales		
Supervisors and Proprietors, Sales Occupations	28	4.3
Sales Reps, Finance and Business Services	4	1.1
Sales Reps, Commodities, Except Retail	5	2.1
Sales Workers, Retail & Personal Services	12	1.3
Sales Related Occupations	---	---
Clerical		
Supervisors, Administrative Support	---	---
Computer Equipment Operators	---	---
Secretaries, Stenographers, and Typists	---	---
Financial Records Processing	---	---
Mail and Message Distribution	6	5.2
Other Admin. Support, Including Clerical	7	0.5

DETAILED OCCUPATION	NO. OF DEATHS	RATE
Service		
Private Household Service Occupations	---	---
Protective Service	31	12.1
Food Service	7	0.8
Health Service	---	---
Cleaning and Building Service	8	1.9
Personal Service	4	1.0
Farm/For/Fish		
Farm Operators and Managers	46	15.5
Farm Workers and Related Occupations	52	12.9
Forestry and Fishing Occupations	256	176.1
Crafts		
Mechanics and Repairers	59	9.2
Construction Trades	97	15.1
Other Precision Production, Craft, and Repair	23	4.1
Mach Operators		
Machine Operators/Tenders, Except Precision	35	5.1
Fabricators, Assemblers, Inspectors, Samplers	18	4.8
Transport		
Motor Vehicle Operators	186	35.2
Other Transport and Material Moving Occ	85	33.2
Laborers		
Construction Laborers	31	34.2
Freight, Stock, & Materials Handlers	17	5.8
Other Handlers, Equip. Cleaner, Helper, Laborer	35	7.6
Other or Not Classified	30	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for "unknown" or "not classified" categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

## State of Pennsylvania

Traumatic Occupational Fatalities (1980-1995):

Number: 3,926

Rate: 4.7 per 100,000 workers

Leading Causes of Death (1980-1995):

Motor Vehicle - 969

Machine - 494

Industries with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Construction - 577

Rate: Mining - 26.2 per 100,000 workers

Occupations with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Precision Production/Craft/Repair - 632

Rate: Farming/Forestry/Fishing - 20.4 per 100,000 workers

**Table PA-1.** *Number and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Year, Pennsylvania, 1980-1995.*

YEAR OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
1980	332	6.6
1981	294	5.8
1982	233	4.8
1983	252	5.2
1984	260	5.2
1985	257	5.0
1986	228	4.4
1987	249	4.7
1988	241	4.4
1989	217	3.9
1990	239	4.4
1991	236	4.3
1992	222	4.1
1993	228	4.2
1994	237	4.3
1995	201	3.7
<b>Total</b>	<b>3,926</b>	<b>4.7</b>

*Table PA-2. Number\* and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Sex, Race, and Age Group, Pennsylvania, 1980-1995.*

DEMOGRAPHICS	Total		YEAR OF DEATH					
			1980-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Sex								
Male	3,659	7.8	1,505	8.8	1,101	7.3	1,053	7.1
Female	267	0.7	123	1.0	73	0.6	71	0.6
Race								
White	3,456	4.5	1,432	5.2	1,047	4.2	977	3.9
Black	391	6.8	179	8.9	114	6.1	98	5.2
Other	54	5.5	13	6.0	9	2.8	32	7.1
Age Group								
16-17	38	1.9	21	2.7	13	2.1	4	0.7
18-19	86	2.9	50	4.0	29	3.2	7	0.9
20-24	372	3.9	191	4.9	95	3.2	86	3.1
25-34	928	4.1	389	4.8	286	3.8	253	3.6
35-44	811	4.0	293	4.7	236	3.6	282	3.8
45-54	655	4.4	249	4.9	177	4.0	229	4.4
55-64	646	6.7	277	7.4	210	6.6	159	5.7
65+	389	15.3	157	18.0	128	15.7	104	12.1

\*Numbers not reported for "unknown" categories.

**Table PA-3.** *Number and Average Annual Rate\* (per 100,000 workers) of Traumatic Occupational Fatalities by Cause of Death, Pennsylvania, 1980-1995.*

CAUSE OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
Motor Vehicle	969	1.1
Machine	494	0.6
Fall	457	0.5
Homicide	447	0.5
Struck By Falling Object	283	0.3
Electrocution	206	0.2
Suicide	205	0.2
Explosion	104	0.1
Poisoning	103	0.1
Fire	83	0.1
Flying Object/Caught In	83	0.1
Air Transport	75	0.1
Nature/Environment	75	0.1
Suffocation	72	0.1
Drowning	38	< 0.1
Rail Transport	34	< 0.1
Water Transport	10	< 0.1
Other	151	0.2
Unknown\Undetermined	37	---

\*Rates not calculated for “unknown” or “not classified” categories.

*Table PA-4. Number and Rate\* (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Industry and Occupation Division, Pennsylvania, 1983-1995.*

INDUSTRY/ OCCUPATION DIVISION	Total		YEAR OF DEATH					
			1983-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Industry Division								
Ag/For/Fish	225	18.4	66	24.3	93	19.7	66	13.8
Mining	115	26.2	33	22.6	35	21.0	47	37.4
Construction	577	13.5	130	15.7	238	13.1	209	13.0
Manufacturing	566	4.0	155	4.4	224	4.0	187	3.7
Trans/Comm/PU	491	10.4	113	11.5	174	9.5	204	10.7
Wholesale Trade	66	2.5	16	2.9	20	2.0	30	2.8
Retail Trade	291	2.4	63	2.4	98	2.1	130	2.7
Finance/Insur/RE	51	1.2	11	1.3	26	1.5	14	0.8
Services	363	1.6	78	1.7	133	1.5	152	1.6
Public Admin	121	4.2	35	5.6	44	4.0	42	3.7
Not Classified	201	---	69	---	89	---	43	---
Occupation Division								
Exec/Adm/Mgr	200	2.6	49	3.3	60	2.0	91	2.8
Prof/Spec	114	1.2	35	1.8	30	0.9	49	1.3
Tech/Support	61	2.6	18	4.0	16	1.8	27	2.8
Sales	204	2.5	48	2.8	69	2.2	87	2.7
Clerical	85	0.8	17	0.7	33	0.7	35	0.8
Service	260	2.8	67	3.4	102	2.8	91	2.5
Farm/For/Fish	273	20.4	87	29.0	108	21.1	78	14.9
Crafts	632	7.6	160	8.5	245	7.3	227	7.3
Mach Operators	196	3.6	45	3.3	82	3.8	69	3.6
Transport	540	17.5	118	17.9	211	17.5	211	17.2
Laborers	388	11.7	90	13.1	165	12.2	133	10.5
Not Classified	114	---	35	---	53	---	26	---

\*Rates not calculated for "unknown" or "not classified" categories.

**Table PA-5.** Number\* and Average Annual Rate<sup>††</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Industry Groupings, Pennsylvania, 1983-1995.

DETAILED INDUSTRY	NO. OF DEATHS	RATE	DETAILED INDUSTRY	NO. OF DEATHS	RATE
Ag/For/Fish			Retail Trade		
Ag Production	185	23.1	Food Stores	57	2.6
Ag Services	37	9.4	Motor Veh/Auto Supply Dealer	42	3.2
Forestry & Fisheries	3	10.8	Apparel & Accessory Stores	9	1.5
Mining			Eating & Drinking Places	76	2.3
Metal/Coal/Nonmetal Mining	99	27.6	Other Retail Trade	107	2.3
Oil and Gas Extraction	16	19.9	Finance/Insur/RE		
Construction	577	13.5	Banking and Other Finance	16	0.9
Manufacturing			Insurance and Real Estate	35	1.4
Food & Kindred Prod	44	3.8	Services		
Textile Mill Prod	10	2.7	Business Services	64	2.5
Apparel & Other Textile Pr	6	0.6	Automobile and Repair Services	96	8.0
Paper & Allied Products	13	2.5	Private Household Services	7	1.4
Printing/Publishing/Allied	24	2.0	Pers Serv Exc Priv Household	40	2.3
Chemical/Petroleum/Rubber	53	3.2	Entertainment & Rec Services	14	1.9
Lumber & Wood	88	24.4	Hospitals	22	0.6
Furniture	3	0.9	Health Services, Exc Hosp	28	0.9
Stone/Clay/Concrete	35	6.2	Educational Services	44	0.9
Primary Metals	128	10.2	Other Professional Services	48	1.1
Fabricated Metals	21	2.0	Public Admin		
Mach, Ex Elect	31	1.8	Justice, Pub Order, & Safety	81	8.6
Elect Mach, Equip Supplies	20	1.6	Admin of Hum Res Programs	---	---
Motor Vehicles Equip	7	1.6	National Sec/Internal Affairs	9	1.7
Aircraft & Parts	6	4.2	Other Pub Admin	29	2.9
Other Transport Equip	10	2.9	Not Classified	203	---
Prof & Photo Equip/Watches	4	0.8			
Toys/Amusement/Sporting Goods	---	---			
Misc & NEC Industries	62	16.3			
Trans/Comm/PU					
Trucking/Warehousing/Storage	256	20.1			
Other Transportation	145	8.2			
Telephone Communications	10	2.0			
Other Communications	8	4.0			
Electric Light and Power	20	3.9			
Other Utility/Sanitary Service	52	11.0			
Wholesale Trade	66	2.5			

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for “unknown” or “not classified” categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table PA-6.** Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Occupation Groupings, Pennsylvania, 1983-1995.

DETAILED OCCUPATION	NO. OF DEATHS	RATE
Exec/Adm/Mgr		
Officials & Administrators, Public Admin	7	2.2
Other Executive, Admin & Managerial	169	3.2
Management Related Occupations	24	1.2
Prof/Spec		
Engineers	23	2.1
Mathematical and Computer Scientists	4	1.0
Natural Scientists	9	3.6
Health Diagnosing Occupations	11	1.9
Health Assessment and Treatment Occupations	15	0.9
Teachers, College and University	3	0.7
Teachers, Except College and University	18	0.8
Lawyers and Judges	7	1.6
Other Professional Specialty Occupations	24	1.1
Tech/Support		
Health Technologists and Technicians	6	0.6
Engineering and Science Technicians	22	2.9
Technicians, Exc Health/Engineering/Science	33	5.4
Sales		
Supervisors and Proprietors, Sales Occupations	98	4.5
Sales Reps, Finance and Business Services	22	1.9
Sales Reps, Commodities, Except Retail	16	1.7
Sales Workers, Retail & Personal Services	68	1.8
Sales Related Occupations	---	---
Clerical		
Supervisors, Administrative Support	3	0.6
Computer Equipment Operators	---	---
Secretaries, Stenographers, and Typists	6	0.2
Financial Records Processing	---	---
Mail and Message Distribution	26	4.1
Other Admin. Support, Including Clerical	47	0.9

DETAILED OCCUPATION	NO. OF DEATHS	RATE
Service		
Private Household Service Occupations	4	1.0
Protective Service	117	10.7
Food Service	36	1.1
Health Service	8	0.6
Cleaning and Building Service	78	4.3
Personal Service	17	1.4
Farm/For/Fish		
Farm Operators and Managers	161	33.5
Farm Workers and Related Occupations	59	7.3
Forestry and Fishing Occupations	53	116.7
Crafts		
Mechanics and Repairers	126	4.5
Construction Trades	345	11.7
Other Precision Production, Craft, and Repair	161	6.2
Mach Operators		
Machine Operators/Tenders, Except Precision	111	2.9
Fabricators, Assemblers, Inspectors, Samplers	85	5.1
Transport		
Motor Vehicle Operators	405	17.9
Other Transport and Material Moving Occ	135	16.3
Laborers		
Construction Laborers	161	35.3
Freight, Stock, & Materials Handlers	39	3.4
Other Handlers, Equip. Cleaner, Helper, Laborer	188	11.0
Other or Not Classified	114	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for "unknown" or "not classified" categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

## State of Rhode Island

### Traumatic Occupational Fatalities (1980-1995):

Number: 194  
 Rate: 2.6 per 100,000 workers

### Leading Causes of Death (1980-1995):

Motor Vehicle - 34  
 Fall - 33

### Industries with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Construction - 37  
 Rate: Agriculture/Forestry/Fisheries - 22.8 per 100,000 workers

### Occupations with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Precision Production/Craft/Repair - 38  
 Rate: Farming/Forestry/Fishing - 21.0 per 100,000 workers

*Table RI-1. Number and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Year, Rhode Island, 1980-1995.*

YEAR OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
1980	14	3.2
1981	13	3.0
1982	10	2.3
1983	3	0.7
1984	6	1.3
1985	19	4.0
1986	16	3.3
1987	17	3.4
1988	13	2.5
1989	15	3.0
1990	9	1.9
1991	13	2.8
1992	12	2.5
1993	13	2.8
1994	9	1.9
1995	12	2.7
<b>Total</b>	<b>194</b>	<b>2.6</b>

**Table RI-2.** Number<sup>\*†‡</sup> and Rate<sup>‡§</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Sex, Race, and Age Group, Rhode Island, 1980-1995.

DEMOGRAPHICS	Total		YEAR OF DEATH					
	No.	Rate	1980-85		1986-90		1991-95	
			No.	Rate	No.	Rate	No.	Rate
Sex								
Male	185	4.6	61	4.1	68	5.1	56	4.6
Female	9	0.3	4	0.3	---	---	---	---
Race								
White	184	2.6	58	2.2	68	2.9	58	2.6
Black	9	4.2	6	9.9	---	---	---	---
Other	---	---	---	---	---	---	---	---
Age Group								
16-17	4	2.0	---	---	---	---	---	---
18-19	4	1.4	---	---	---	---	---	---
20-24	28	3.0	8	2.1	14	4.6	6	2.5
25-34	44	2.2	15	2.1	12	1.8	17	2.7
35-44	39	2.2	14	2.5	10	1.7	15	2.5
45-54	30	2.5	9	2.3	15	3.8	6	1.4
55-64	31	3.6	11	3.2	12	4.2	8	3.5
65+	14	6.1	4	4.8	4	6.2	6	7.2

\*Numbers not reported for cells with less than 3 deaths.

†Numbers not reported for “unknown” categories.

‡Numbers and rates not reported for some cells with 3 or more deaths to meet confidentiality requirements.

§Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table RI-3.** *Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Cause of Death, Rhode Island, 1980-1995.*

CAUSE OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
Motor Vehicle	34	0.5
Fall	33	0.4
Homicide	22	0.3
Suicide	16	0.2
Machine	13	0.2
Struck By Falling Object	11	0.1
Water Transport	11	0.1
Electrocution	10	0.1
Drowning	8	0.1
Poisoning	6	0.1
Suffocation	6	0.1
Air Transport	5	0.1
Flying Object/Caught In	5	0.1
Nature/Environment	4	0.1
Explosion	---	---
Fire	---	---
Rail Transport	---	---
Other	---	---
Unknown\Undetermined	3	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for “unknown” or “not classified” categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table RI-4.** Number\*† and Rate†‡§ (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Industry and Occupation Division, Rhode Island, 1983-1995.

INDUSTRY/ OCCUPATION DIVISION	Total		YEAR OF DEATH					
			1983-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Industry Division								
Ag/For/Fish	17	22.8	3	---	7	25.9	7	25.0
Mining	---	---	---	---	---	---	---	---
Construction	37	10.9	8	12.5	16	10.4	13	10.8
Manufacturing	25	1.6	---	---	15	2.4	---	---
Trans/Comm/PU	20	6.5	4	6.8	10	8.3	6	4.6
Wholesale Trade	4	2.0	---	---	---	---	---	---
Retail Trade	17	1.6	5	2.2	5	1.2	7	1.8
Finance/Insur/RE	3	0.7	---	---	---	---	---	---
Services	20	1.0	---	---	13	1.7	---	---
Public Admin	9	3.4	---	---	---	---	6	5.9
Not Classified	5	---	---	---	---	---	---	---
Occupation Division								
Exec/Adm/Mgr	18	2.5	---	---	11	3.9	---	---
Prof/Spec	6	0.7	---	---	4	1.1	---	---
Tech/Support	4	2.0	---	---	---	---	---	---
Sales	13	1.9	3	2.1	4	1.4	6	2.3
Clerical	3	0.3	---	---	---	---	---	---
Service	11	1.3	---	---	5	1.5	6	1.8
Farm/For/Fish	17	21.0	---	---	8	29.0	---	---
Crafts	38	5.1	7	4.0	18	5.5	13	5.3
Mach Operators	6	0.9	---	---	---	---	---	---
Transport	20	9.6	3	6.7	6	7.0	11	14.1
Laborers	19	9.2	6	11.3	9	11.3	4	5.4
Not Classified	---	---	---	---	---	---	---	---

\*Numbers not reported for cells with less than 3 deaths.

†Numbers and rates not reported for some cells with 3 or more deaths to meet confidentiality requirements.

‡Rates not calculated for "unknown" or "not classified" categories.

§Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table RI-5.** Number\* and Average Annual Rate\*\* (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Industry Groupings, Rhode Island, 1983-1995.

DETAILED INDUSTRY	NO. OF DEATHS	RATE	DETAILED INDUSTRY	NO. OF DEATHS	RATE
Ag/For/Fish			Retail Trade		
Ag Production	4	---	Food Stores	4	2.4
Ag Services	3	7.5	Motor Veh/Auto Supply Dealer	4	4.3
Forestry & Fisheries	10	38.3	Apparel & Accessory Stores	---	---
Mining			Eating & Drinking Places	3	1.0
Metal/Coal/Nonmetal Mining	---	---	Other Retail Trade	5	1.2
Oil and Gas Extraction	---	---	Finance/Insur/RE		
Construction	37	10.9	Banking and Other Finance	---	---
Manufacturing			Insurance and Real Estate	3	1.3
Food & Kindred Prod	---	---	Services		
Textile Mill Prod	---	---	Business Services	---	---
Apparel & Other Textile Pr	---	---	Automobile and Repair Services	5	5.9
Paper & Allied Products	---	---	Private Household Services	---	---
Printing/Publishing/Allied	---	---	Pers Serv Exc Priv Household	---	---
Chemical/Petroleum/Rubber	---	---	Entertainment & Rec Services	---	---
Lumber & Wood	---	---	Hospitals	---	---
Furniture	---	---	Health Services, Exc Hosp	---	---
Stone/Clay/Concrete	---	---	Educational Services	3	0.6
Primary Metals	4	5.2	Other Professional Services	---	---
Fabricated Metals	---	---	Public Admin		
Mach, Ex Elect	3	2.0	Justice, Pub Order, & Safety	3	2.9
Elect Mach, Equip Supplies	---	---	Admin of Hum Res Programs	---	---
Motor Vehicles Equip	---	---	National Sec/Internal Affairs	---	---
Aircraft & Parts	---	---	Other Pub Admin	4	5.0
Other Transport Equip	3	2.8	Not Classified	5	---
Prof & Photo Equip/Watches	---	---			
Toys/Amusement/Sporting Goods	---	---			
Misc & NEC Industries	5	1.5			
Trans/Comm/PU					
Trucking/Warehousing/Storage	7	10.4			
Other Transportation	7	6.0			
Telephone Communications	---	---			
Other Communications	---	---			
Electric Light and Power	4	17.5			
Other Utility/Sanitary Service	---	---			
Wholesale Trade	4	2.0			

\*Numbers not reported for cells with less than 3 deaths.

\*\*Rates not calculated for "unknown" or "not classified" categories.

†Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table RI-6.** Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Occupation Groupings, Rhode Island, 1983-1995.

DETAILED OCCUPATION	NO. OF DEATHS	RATE
Exec/Adm/Mgr		
Officials & Administrators, Public Admin	---	---
Other Executive, Admin & Managerial	17	3.3
Management Related Occupations	---	---
Prof/Spec		
Engineers	3	2.7
Mathematical and Computer Scientists	---	---
Natural Scientists	---	---
Health Diagnosing Occupations	---	---
Health Assessment and Treatment Occupations	---	---
Teachers, College and University	---	---
Teachers, Except College and University	---	---
Lawyers and Judges	---	---
Other Professional Specialty Occupations	---	---
Tech/Support		
Health Technologists and Technicians	---	---
Engineering and Science Technicians	---	---
Technicians, Exc Health/Engineering/Science	4	7.3
Sales		
Supervisors and Proprietors, Sales Occupations	11	5.7
Sales Reps, Finance and Business Services	---	---
Sales Reps, Commodities, Except Retail	---	---
Sales Workers, Retail & Personal Services	---	---
Sales Related Occupations	---	---
Clerical		
Supervisors, Administrative Support	---	---
Computer Equipment Operators	---	---
Secretaries, Stenographers, and Typists	---	---
Financial Records Processing	---	---
Mail and Message Distribution	---	---
Other Admin. Support, Including Clerical	---	---

DETAILED OCCUPATION	NO. OF DEATHS	RATE
Service		
Private Household Service Occupations	---	---
Protective Service	4	3.2
Food Service	---	---
Health Service	---	---
Cleaning and Building Service	5	3.3
Personal Service	---	---
Farm/For/Fish		
Farm Operators and Managers	---	---
Farm Workers and Related Occupations	6	12.0
Forestry and Fishing Occupations	10	40.3
Crafts		
Mechanics and Repairers	12	5.9
Construction Trades	18	7.1
Other Precision Production, Craft, and Repair	8	2.8
Mach Operators		
Machine Operators/Tenders, Except Precision	---	---
Fabricators, Assemblers, Inspectors, Samplers	4	2.0
Transport		
Motor Vehicle Operators	14	8.8
Other Transport and Material Moving Occ	6	12.1
Laborers		
Construction Laborers	10	40.2
Freight, Stock, & Materials Handlers	---	---
Other Handlers, Equip. Cleaner, Helper, Laborer	7	6.7
Other or Not Classified	---	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for "unknown" or "not classified" categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

## State of South Carolina

### Traumatic Occupational Fatalities (1980-1995):

Number: 1,408

Rate: 5.8 per 100,000 workers

### Leading Causes of Death (1980-1995):

Homicide - 262

Motor Vehicle - 219

### Industries with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Manufacturing - 267

Rate: Agriculture/Forestry/Fisheries - 19.8 per 100,000 workers

### Occupations with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Precision Production/Craft/Repair - 268

Rate: Farming/Forestry/Fishing - 25.4 per 100,000 workers

**Table SC-1.** *Number and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Year, South Carolina, 1980-1995.*

YEAR OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
1980	88	7.1
1981	74	5.9
1982	69	5.2
1983	71	5.4
1984	65	4.7
1985	68	4.7
1986	71	4.7
1987	90	5.8
1988	69	4.3
1989	111	6.7
1990	125	7.5
1991	119	7.2
1992	102	6.1
1993	91	5.4
1994	90	5.2
1995	105	5.9
<b>Total</b>	<b>1,408</b>	<b>5.8</b>

**Table SC-2.** *Number<sup>\*†</sup> and Rate<sup>‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Sex, Race, and Age Group, South Carolina, 1980-1995.*

DEMOGRAPHICS	Total		YEAR OF DEATH					
			1980-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Sex								
Male	1,298	9.8	410	9.4	428	9.9	460	10.1
Female	110	1.0	25	0.7	38	1.0	47	1.2
Race								
White	978	5.5	301	5.3	323	5.5	354	5.7
Black	416	6.4	134	6.1	135	6.5	147	6.5
Other	10	4.6	---	---	5	8.7	5	5.2
Age Group								
16-17	11	2.2	3	1.8	4	2.1	4	2.5
18-19	43	5.0	18	5.5	13	4.8	12	4.4
20-24	162	5.6	59	5.2	57	6.7	46	5.2
25-34	327	4.7	97	4.0	125	5.5	105	4.7
35-44	312	5.1	79	4.6	109	5.5	124	5.2
45-54	265	6.3	72	5.9	78	5.7	115	7.2
55-64	191	8.2	69	9.2	52	6.5	70	9.1
65+	96	14.9	38	19.1	27	11.6	31	14.6

\*Numbers not reported for cells with less than 3 deaths.

†Numbers not reported for “unknown” categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table SC-3.** *Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Cause of Death, South Carolina, 1980-1995.*

CAUSE OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
Homicide	262	1.1
Motor Vehicle	219	0.9
Machine	197	0.8
Struck By Falling Object	144	0.6
Fall	133	0.5
Electrocution	116	0.5
Suicide	56	0.2
Explosion	36	0.1
Nature/Environment	36	0.1
Poisoning	32	0.1
Suffocation	31	0.1
Drowning	29	0.1
Flying Object/Caught In	27	0.1
Air Transport	19	0.1
Fire	14	0.1
Water Transport	14	0.1
Rail Transport	---	---
Other	40	0.2
Unknown\Undetermined	---	---

\*Numbers not reported for cells with less than 3 deaths.

<sup>†</sup>Rates not calculated for “unknown” or “not classified” categories.

<sup>‡</sup>Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table SC-4. Number\* and Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Industry and Occupation Division, South Carolina, 1983-1995.**

INDUSTRY/ OCCUPATION DIVISION	Total		YEAR OF DEATH					
			1983-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Industry Division								
Ag/For/Fish	94	19.8	17	15.8	37	21.2	40	20.6
Mining	4	14.8	4	---	---	---	---	---
Construction	247	15.9	36	9.3	109	18.4	102	17.7
Manufacturing	267	4.9	45	4.3	111	5.0	111	5.1
Trans/Comm/PU	148	12.3	16	7.1	59	12.4	73	14.5
Wholesale Trade	52	6.9	10	7.5	18	6.1	24	7.4
Retail Trade	133	3.9	30	4.2	47	3.6	56	4.0
Finance/Insur/RE	12	1.1	---	---	5	1.2	7	1.6
Services	124	2.1	28	2.4	45	2.1	51	2.0
Public Admin	57	6.6	10	5.7	21	6.4	26	7.1
Not Classified	39	---	8	---	14	---	17	---
Occupation Division								
Exec/Adm/Mgr	87	4.3	16	4.6	26	3.3	45	4.9
Prof/Spec	43	1.9	11	2.8	11	1.2	21	2.1
Tech/Support	21	3.4	3	2.8	12	5.6	6	2.0
Sales	110	4.5	25	5.5	39	4.1	46	4.5
Clerical	25	0.9	3	0.5	8	0.7	14	1.2
Service	79	3.1	8	1.4	36	3.8	35	3.4
Farm/For/Fish	139	25.4	28	20.7	56	28.8	55	25.3
Crafts	268	9.4	43	6.8	118	10.5	107	9.7
Mach Operators	99	3.9	18	3.6	39	3.8	42	4.2
Transport	166	18.6	18	9.7	63	18.4	85	23.3
Laborers	109	10.7	26	12.0	45	11.3	38	9.5
Not Classified	31	---	5	---	13	---	13	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for “unknown” or “not classified” categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table SC-5.** Number\* and Average Annual Rate\*\* (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Industry Groupings, South Carolina, 1983-1995.

DETAILED INDUSTRY	NO. OF DEATHS	RATE	DETAILED INDUSTRY	NO. OF DEATHS	RATE
Ag/For/Fish			Retail Trade		
Ag Production	51	16.6	Food Stores	49	7.8
Ag Services	30	23.3	Motor Veh/Auto Supply Dealer	26	6.8
Forestry & Fisheries	13	32.5	Apparel & Accessory Stores	---	---
Mining			Eating & Drinking Places	15	1.6
Metal/Coal/Nonmetal Mining	---	---	Other Retail Trade	41	3.2
Oil and Gas Extraction	---	---	Finance/Insur/RE		
Construction	247	15.9	Banking and Other Finance	---	---
Manufacturing			Insurance and Real Estate	12	1.8
Food & Kindred Prod	14	6.3	Services		
Textile Mill Prod	41	2.9	Business Services	15	2.8
Apparel & Other Textile Pr	---	---	Automobile and Repair Services	35	9.6
Paper & Allied Products	11	4.3	Private Household Services	---	---
Printing/Publishing/Allied	3	1.5	Pers Serv Exc Priv Household	16	2.6
Chemical/Petroleum/Rubber	13	1.7	Entertainment & Rec Services	14	6.6
Lumber & Wood	84	37.2	Hospitals	6	0.8
Furniture	3	4.7	Health Services, Exc Hosp	8	1.2
Stone/Clay/Concrete	12	9.6	Educational Services	13	0.9
Primary Metals	19	20.3	Other Professional Services	15	1.6
Fabricated Metals	12	5.2	Public Admin		
Mach, Ex Elect	20	4.1	Justice, Pub Order, & Safety	36	11.8
Elect Mach, Equip Supplies	6	1.8	Admin of Hum Res Programs	3	1.4
Motor Vehicles Equip	---	---	National Sec/Internal Affairs	9	7.1
Aircraft & Parts	---	---	Other Pub Admin	9	4.1
Other Transport Equip	7	4.3	Not Classified	39	---
Prof & Photo Equip/Watches	---	---			
Toys/Amusement/Sporting Goods	---	---			
Misc & NEC Industries	16	34.9			
Trans/Comm/PU					
Trucking/Warehousing/Storage	59	18.7			
Other Transportation	43	14.2			
Telephone Communications	6	3.9			
Other Communications	4	6.5			
Electric Light and Power	18	9.2			
Other Utility/Sanitary Service	18	10.5			
Wholesale Trade	52	6.9			

\*Numbers not reported for cells with less than 3 deaths.

\*\*Rates not calculated for "unknown" or "not classified" categories.

†Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table SC-6.** Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Occupation Groupings, South Carolina, 1983-1995.



DETAILED OCCUPATION	NO. OF DEATHS	RATE
Exec/Adm/Mgr		
Officials & Administrators, Public Admin	7	7.3
Other Executive, Admin & Managerial	75	5.2
Management Related Occupations	5	1.0
Prof/Spec		
Engineers	12	3.6
Mathematical and Computer Scientists	---	---
Natural Scientists	---	---
Health Diagnosing Occupations	3	3.0
Health Assessment and Treatment Occupations	3	0.8
Teachers, College and University	3	3.2
Teachers, Except College and University	6	0.9
Lawyers and Judges	---	---
Other Professional Specialty Occupations	15	2.9
Tech/Support		
Health Technologists and Technicians	3	1.3
Engineering and Science Technicians	5	2.0
Technicians, Exc Health/Engineering/Science	13	10.2
Sales		
Supervisors and Proprietors, Sales Occupations	68	9.6
Sales Reps, Finance and Business Services	7	2.1
Sales Reps, Commodities, Except Retail	5	2.2
Sales Workers, Retail & Personal Services	30	2.6
Sales Related Occupations	---	---
Clerical		
Supervisors, Administrative Support	---	---
Computer Equipment Operators	---	---
Secretaries, Stenographers, and Typists	---	---
Financial Records Processing	---	---
Mail and Message Distribution	---	---
Other Admin. Support, Including Clerical	18	1.4

DETAILED OCCUPATION	NO. OF DEATHS	RATE
Service		
Private Household Service Occupations	---	---
Protective Service	39	13.0
Food Service	8	0.9
Health Service	---	---
Cleaning and Building Service	23	4.7
Personal Service	5	1.3
Farm/For/Fish		
Farm Operators and Managers	34	28.8
Farm Workers and Related Occupations	40	10.8
Forestry and Fishing Occupations	65	113.7
Crafts		
Mechanics and Repairers	76	7.4
Construction Trades	163	15.3
Other Precision Production, Craft, and Repair	29	3.8
Mach Operators		
Machine Operators/Tenders, Except Precision	74	3.8
Fabricators, Assemblers, Inspectors, Samplers	25	4.3
Transport		
Motor Vehicle Operators	121	19.9
Other Transport and Material Moving Occ	45	15.9
Laborers		
Construction Laborers	52	44.3
Freight, Stock, & Materials Handlers	20	4.4
Other Handlers, Equip. Cleaner, Helper, Laborer	37	8.3
Other or Not Classified	31	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for "unknown" or "not classified" categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

## State of South Dakota

Traumatic Occupational Fatalities (1980-1995):

Number: 495

Rate: 9.2 per 100,000 workers

Leading Causes of Death (1980-1995):

Machine - 145

Motor Vehicle - 135

Industry with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Agriculture/Forestry/Fisheries - 179

Rate: Agriculture/Forestry/Fisheries - 29.5 per 100,000 workers

Occupation with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Farming/Forestry/Fishing - 182

Rate: Farming/Forestry/Fishing - 30.8 per 100,000 workers

**Table SD-1.** *Number and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Year, South Dakota, 1980-1995.*

YEAR OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
1980	39	11.8
1981	26	7.8
1982	33	10.8
1983	32	10.3
1984	41	12.6
1985	36	10.8
1986	31	9.3
1987	34	10.2
1988	25	7.3
1989	33	9.5
1990	30	9.0
1991	29	8.6
1992	25	7.3
1993	26	7.5
1994	28	7.8
1995	27	7.4
<b>Total</b>	<b>495</b>	<b>9.2</b>

**Table SD-2.** *Number<sup>\*†‡</sup> and Rate<sup>§</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Sex, Race, and Age Group, South Dakota, 1980-1995.*

DEMOGRAPHICS	Total		YEAR OF DEATH					
			1980-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Sex								
Male	472	15.9	198	18.1	142	15.4	132	13.9
Female	23	0.9	9	1.1	11	1.4	3	0.4
Race								
White	476	9.2	203	10.8	146	9.0	127	7.6
Black	---	---	---	---	---	---	---	---
Other	19	9.3	4	7.0	7	9.4	8	11.0
Age Group								
16-17	11	5.9	---	---	5	8.7	---	---
18-19	12	5.5	8	8.5	---	---	---	---
20-24	48	7.5	25	9.4	9	4.7	14	7.7
25-34	101	6.9	43	7.9	35	7.5	23	5.2
35-44	76	6.4	31	8.9	20	5.2	25	5.4
45-54	90	10.9	35	12.0	26	10.1	29	10.4
55-64	77	12.8	33	13.9	26	13.8	18	10.3
65+	79	29.4	26	28.7	30	34.9	23	25.0

\*Numbers not reported for cells with less than 3 deaths.

†Numbers not reported for “unknown” categories.

‡Numbers and rates not reported for some cells with 3 or more deaths to meet confidentiality requirements.

§Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table SD-3.** Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Cause of Death, South Dakota, 1980-1995.

CAUSE OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
Machine	145	2.7
Motor Vehicle	135	2.5
Struck By Falling Object	30	0.6
Fall	26	0.5
Air Transport	24	0.4
Nature/Environment	17	0.3
Suffocation	16	0.3
Poisoning	15	0.3
Electrocution	14	0.3
Homicide	14	0.3
Flying Object/Caught In	11	0.2
Suicide	11	0.2
Explosion	10	0.2
Fire	5	0.1
Drowning	---	---
Rail Transport	---	---
Water Transport	---	---
Other	16	0.3
Unknown\Undetermined	3	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for "unknown" or "not classified" categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table SD-4.** Number<sup>\*†</sup> and Rate<sup>†‡§</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Industry and Occupation Division, South Dakota, 1983-1995.

INDUSTRY/ OCCUPATION DIVISION	Total		YEAR OF DEATH					
			1983-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Industry Division								
Ag/For/Fish	179	29.5	50	34.8	63	25.3	66	30.9
Mining	13	26.8	3	---	4	---	6	---
Construction	57	24.7	16	31.9	21	25.2	20	20.5
Manufacturing	20	4.4	3	3.2	10	6.1	7	3.5
Trans/Comm/PU	52	21.2	14	25.8	21	22.2	17	17.5
Wholesale Trade	12	6.0	---	---	7	9.0	5	6.2
Retail Trade	9	1.2	---	---	6	2.1	---	---
Finance/Insur/RE	3	1.2	---	---	3	3.1	---	---
Services	27	1.9	9	3.0	9	1.7	9	1.6
Public Admin	7	3.6	4	8.2	---	---	---	---
Not Classified	18	---	9	---	---	---	---	---
Occupation Division								
Exec/Adm/Mgr	13	3.1	---	---	8	5.1	5	2.8
Prof/Spec	10	1.9	5	4.6	---	---	---	---
Tech/Support	6	5.4	---	---	---	---	---	---
Sales	9	1.8	---	---	6	3.1	---	---
Clerical	4	0.7	---	---	4	1.8	---	---
Service	11	1.6	---	---	6	2.3	---	---
Farm/For/Fish	182	30.8	52	36.3	66	26.9	64	31.6
Crafts	51	11.3	10	9.9	20	11.9	21	11.6
Mach Operators	6	3.0	---	---	3	4.2	---	---
Transport	57	30.2	17	43.1	17	23.3	23	30.1
Laborers	33	19.9	11	33.4	13	19.7	9	13.5
Not Classified	15	---	---	---	7	---	---	---

\*Numbers not reported for cells with less than 3 deaths.

†Numbers and rates not reported for some cells with 3 or more deaths to meet confidentiality requirements.

‡Rates not calculated for "unknown" or "not classified" categories.

§Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table SD-5.** Number\* and Average Annual Rate<sup>††</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Industry Groupings, South Dakota, 1983-1995.

DETAILED INDUSTRY	NO. OF DEATHS	RATE	DETAILED INDUSTRY	NO. OF DEATHS	RATE
Ag/For/Fish			Retail Trade		
Ag Production	174	30.5	Food Stores	---	---
Ag Services	5	16.8	Motor Veh/Auto Supply Dealer	---	---
Forestry & Fisheries	---	---	Apparel & Accessory Stores	---	---
Mining			Eating & Drinking Places	4	1.7
Metal/Coal/Nonmetal Mining	13	27.7	Other Retail Trade	---	---
Oil and Gas Extraction	---	---	Finance/Insur/RE		
Construction	57	24.7	Banking and Other Finance	---	---
Manufacturing			Insurance and Real Estate	---	---
Food & Kindred Prod	4	3.8	Services		
Textile Mill Prod	---	---	Business Services	---	---
Apparel & Other Textile Pr	---	---	Automobile and Repair Services	11	13.8
Paper & Allied Products	---	---	Private Household Services	---	---
Printing/Publishing/Allied	---	---	Pers Serv Exc Priv Household	---	---
Chemical/Petroleum/Rubber	3	13.0	Entertainment & Rec Services	---	---
Lumber & Wood	6	22.8	Hospitals	---	---
Furniture	---	---	Health Services, Exc Hosp	---	---
Stone/Clay/Concrete	---	---	Educational Services	4	1.0
Primary Metals	---	---	Other Professional Services	4	1.8
Fabricated Metals	---	---	Public Admin		
Mach, Ex Elect	3	4.0	Justice, Pub Order, & Safety	3	5.5
Elect Mach, Equip Supplies	---	---	Admin of Hum Res Programs	---	---
Motor Vehicles Equip	---	---	National Sec/Internal Affairs	---	---
Aircraft & Parts	---	---	Other Pub Admin	3	3.4
Other Transport Equip	---	---	Not Classified	18	---
Prof & Photo Equip/Watches	---	---			
Toys/Amusement/Sporting Goods	---	---			
Misc & NEC Industries	---	---			
Trans/Comm/PU					
Trucking/Warehousing/Storage	35	35.5			
Other Transportation	10	17.3			
Telephone Communications	---	---			
Other Communications	---	---			
Electric Light and Power	---	---			
Other Utility/Sanitary Service	4	13.8			
Wholesale Trade	12	6.0			

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for "unknown" or "not classified" categories.

††Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table SD-6.** Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Occupation Groupings, South Dakota, 1983-1995.



DETAILED OCCUPATION	NO. OF DEATHS	RATE
Exec/Adm/Mgr		
Officials & Administrators, Public Admin	---	---
Other Executive, Admin & Managerial	9	3.0
Management Related Occupations	3	3.2
Prof/Spec		
Engineers	---	---
Mathematical and Computer Scientists	---	---
Natural Scientists	---	---
Health Diagnosing Occupations	---	---
Health Assessment and Treatment Occupations	---	---
Teachers, College and University	---	---
Teachers, Except College and University	---	---
Lawyers and Judges	---	---
Other Professional Specialty Occupations	3	2.4
Tech/Support		
Health Technologists and Technicians	---	---
Engineering and Science Technicians	---	---
Technicians, Exc Health/Engineering/Science	6	24.1
Sales		
Supervisors and Proprietors, Sales Occupations	6	3.8
Sales Reps, Finance and Business Services	---	---
Sales Reps, Commodities, Except Retail	---	---
Sales Workers, Retail & Personal Services	---	---
Sales Related Occupations	---	---
Clerical		
Supervisors, Administrative Support	---	---
Computer Equipment Operators	---	---
Secretaries, Stenographers, and Typists	---	---
Financial Records Processing	---	---
Mail and Message Distribution	---	---
Other Admin. Support, Including Clerical	---	---

DETAILED OCCUPATION	NO. OF DEATHS	RATE
Service		
Private Household Service Occupations	---	---
Protective Service	4	8.6
Food Service	---	---
Health Service	---	---
Cleaning and Building Service	4	3.2
Personal Service	---	---
Farm/For/Fish		
Farm Operators and Managers	159	39.5
Farm Workers and Related Occupations	20	11.0
Forestry and Fishing Occupations	3	---
Crafts		
Mechanics and Repairers	15	10.1
Construction Trades	24	15.8
Other Precision Production, Craft, and Repair	12	8.0
Mach Operators		
Machine Operators/Tenders, Except Precision	---	---
Fabricators, Assemblers, Inspectors, Samplers	4	4.9
Transport		
Motor Vehicle Operators	44	29.5
Other Transport and Material Moving Occ	13	32.7
Laborers		
Construction Laborers	16	60.9
Freight, Stock, & Materials Handlers	4	7.4
Other Handlers, Equip. Cleaner, Helper, Laborer	13	15.2
Other or Not Classified	15	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for "unknown" or "not classified" categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

## State of Tennessee

Traumatic Occupational Fatalities (1980-1995):

Number: 1,970

Rate: 5.7 per 100,000 workers

Leading Causes of Death (1980-1995):

Motor Vehicle - 348

Machine - 342

Industries with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Construction - 310

Rate: Mining - 49.6 per 100,000 workers

Occupations with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Precision Production/Craft/Repair - 323

Rate: Farming/Forestry/Fishing - 23.4 per 100,000 workers

**Table TN-1.** *Number and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Year, Tennessee, 1980-1995.*

YEAR OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
1980	139	7.3
1981	158	8.3
1982	143	7.6
1983	130	6.7
1984	125	6.1
1985	136	6.6
1986	149	7.1
1987	127	5.8
1988	136	6.2
1989	139	6.1
1990	82	3.6
1991	75	3.3
1992	76	3.3
1993	94	4.0
1994	132	5.2
1995	129	5.0
<b>Total</b>	<b>1,970</b>	<b>5.7</b>

**Table TN-2. Number<sup>\*†‡</sup> and Rate<sup>§</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Sex, Race, and Age Group, Tennessee, 1980-1995.**

DEMOGRAPHICS	Total		YEAR OF DEATH					
			1980-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Sex								
Male	1,848	9.7	789	12.0	597	9.9	462	7.2
Female	122	0.8	42	0.8	36	0.7	44	0.8
Race								
White	1,724	5.8	734	7.3	551	5.9	439	4.4
Black	229	4.6	95	6.0	73	4.6	61	3.3
Other	15	5.7	---	---	8	10.6	---	---
Age Group								
16-17	13	1.8	9	3.8	---	---	---	---
18-19	38	3.1	15	3.6	13	3.2	10	2.5
20-24	208	4.9	100	6.3	56	4.4	52	3.7
25-34	449	4.7	190	5.5	154	5.0	105	3.4
35-44	485	5.7	186	7.5	167	6.1	132	4.1
45-54	324	5.5	123	6.7	107	5.9	94	4.3
55-64	276	7.6	139	10.4	76	6.7	61	5.4
65+	177	16.9	69	19.7	57	16.8	51	14.3

\*Numbers not reported for cells with less than 3 deaths.

†Numbers not reported for “unknown” categories.

‡Numbers and rates not reported for some cells with 3 or more deaths to meet confidentiality requirements.

§Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table TN-3.** *Number and Average Annual Rate\* (per 100,000 workers) of Traumatic Occupational Fatalities by Cause of Death, Tennessee, 1980-1995.*

CAUSE OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
Motor Vehicle	348	1.0
Machine	342	1.0
Homicide	287	0.8
Fall	220	0.6
Struck By Falling Object	176	0.5
Electrocution	132	0.4
Explosion	70	0.2
Suicide	68	0.2
Nature/Environment	53	0.2
Air Transport	45	0.1
Flying Object/Caught In	44	0.1
Fire	40	0.1
Suffocation	33	0.1
Drowning	24	0.1
Poisoning	19	0.1
Water Transport	13	< 0.1
Rail Transport	5	< 0.1
Other	36	0.1
Unknown\Undetermined	15	---

\*Rates not calculated for “unknown” or “not classified” categories.

**Table TN-4.** Number and Rate\* (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Industry and Occupation Division, Tennessee, 1983-1995.

INDUSTRY/ OCCUPATION DIVISION	Total		YEAR OF DEATH					
			1983-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Industry Division								
Ag/For/Fish	169	19.5	40	17.8	72	22.5	57	17.8
Mining	46	49.6	16	65.3	18	43.6	12	44.5
Construction	310	15.2	75	17.9	137	15.4	98	13.3
Manufacturing	256	3.6	64	4.1	106	3.8	86	3.2
Trans/Comm/PU	222	9.8	70	15.1	91	11.0	61	6.3
Wholesale Trade	36	3.2	9	3.6	12	2.9	15	3.2
Retail Trade	165	3.5	34	3.5	61	3.5	70	3.5
Finance/Insur/RE	12	0.8	3	1.1	4	0.7	5	0.8
Services	168	2.0	39	2.4	68	2.2	61	1.7
Public Admin	58	5.1	14	6.0	27	6.2	17	3.7
Not Classified	88	---	27	---	37	---	24	---
Occupation Division								
Exec/Adm/Mgr	97	3.3	21	3.8	37	3.4	39	3.0
Prof/Spec	54	1.8	13	2.1	27	2.5	14	1.0
Tech/Support	25	2.8	6	4.1	10	2.9	9	2.2
Sales	107	3.3	25	3.7	38	3.2	44	3.2
Clerical	29	0.7	6	0.7	13	0.8	10	0.6
Service	87	2.4	19	2.5	28	2.0	40	2.6
Farm/For/Fish	214	23.4	52	22.4	88	25.9	74	21.6
Crafts	323	8.5	74	8.9	135	8.8	114	7.9
Mach Operators	85	2.4	22	2.7	38	2.7	25	1.8
Transport	235	16.9	66	23.2	106	20.8	63	10.6
Laborers	191	13.3	51	17.7	82	14.7	58	9.9
Not Classified	83	---	36	---	31	---	16	---

\*Rates not calculated for "unknown" or "not classified" categories.

**Table TN-5.** Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Industry Groupings, Tennessee, 1983-1995.

DETAILED INDUSTRY	NO. OF DEATHS	RATE	DETAILED INDUSTRY	NO. OF DEATHS	RATE
Ag/For/Fish			Retail Trade		
Ag Production	132	19.8	Food Stores	56	6.5
Ag Services	29	16.3	Motor Veh/Auto Supply Dealer	23	4.1
Forestry & Fisheries	8	37.9	Apparel & Accessory Stores	---	---
Mining			Eating & Drinking Places	36	2.8
Metal/Coal/Nonmetal Mining	40	52.8	Other Retail Trade	49	2.7
Oil and Gas Extraction	6	---	Finance/Insur/RE		
Construction	310	15.2	Banking and Other Finance	---	---
Manufacturing			Insurance and Real Estate	10	1.2
Food & Kindred Prod	11	2.8	Services		
Textile Mill Prod	5	1.4	Business Services	28	3.1
Apparel & Other Textile Pr	3	0.3	Automobile and Repair Services	47	10.8
Paper & Allied Products	12	5.0	Private Household Services	6	2.2
Printing/Publishing/Allied	4	0.8	Pers Serv Exc Priv Household	20	2.4
Chemical/Petroleum/Rubber	30	3.7	Entertainment & Rec Services	18	5.5
Lumber & Wood	79	27.1	Hospitals	7	0.5
Furniture	3	0.6	Health Services, Exc Hosp	8	0.7
Stone/Clay/Concrete	7	3.2	Educational Services	17	0.9
Primary Metals	24	13.8	Other Professional Services	17	1.3
Fabricated Metals	9	2.0	Public Admin		
Mach, Ex Elect	17	3.1	Justice, Pub Order, & Safety	35	7.4
Elect Mach, Equip Supplies	17	3.4	Admin of Hum Res Programs	---	---
Motor Vehicles Equip	12	3.0	National Sec/Internal Affairs	6	6.7
Aircraft & Parts	4	4.8	Other Pub Admin	16	4.2
Other Transport Equip	---	---	Not Classified	89	---
Prof & Photo Equip/Watches	---	---			
Toys/Amusement/Sporting Goods	---	---			
Misc & NEC Industries	18	7.0			
Trans/Comm/PU					
Trucking/Warehousing/Storage	121	17.7			
Other Transportation	51	8.3			
Telephone Communications	---	---			
Other Communications	3	2.8			
Electric Light and Power	26	7.4			
Other Utility/Sanitary Service	19	7.0			
Wholesale Trade	36	3.2			

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for “unknown” or “not classified” categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table TN-6.** Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Occupation Groupings, Tennessee, 1983-1995.



DETAILED OCCUPATION	NO. OF DEATHS	RATE
Exec/Adm/Mgr		
Officials & Administrators, Public Admin	4	4.1
Other Executive, Admin & Managerial	85	4.0
Management Related Occupations	8	1.1
Prof/Spec		
Engineers	13	3.6
Mathematical and Computer Scientists	---	---
Natural Scientists	3	3.9
Health Diagnosing Occupations	4	2.2
Health Assessment and Treatment Occupations	6	1.1
Teachers, College and University	---	---
Teachers, Except College and University	10	1.2
Lawyers and Judges	4	2.7
Other Professional Specialty Occupations	12	1.7
Tech/Support		
Health Technologists and Technicians	---	---
Engineering and Science Technicians	7	2.9
Technicians, Exc Health/Engineering/Science	16	7.5
Sales		
Supervisors and Proprietors, Sales Occupations	61	6.5
Sales Reps, Finance and Business Services	7	1.6
Sales Reps, Commodities, Except Retail	4	1.2
Sales Workers, Retail & Personal Services	34	2.2
Sales Related Occupations	---	---
Clerical		
Supervisors, Administrative Support	---	---
Computer Equipment Operators	---	---
Secretaries, Stenographers, and Typists	---	---
Financial Records Processing	---	---
Mail and Message Distribution	5	2.7
Other Admin. Support, Including Clerical	19	0.9

DETAILED OCCUPATION	NO. OF DEATHS	RATE
Service		
Private Household Service Occupations	5	2.4
Protective Service	40	8.3
Food Service	13	1.1
Health Service	4	0.8
Cleaning and Building Service	24	3.1
Personal Service	---	---
Farm/For/Fish		
Farm Operators and Managers	121	26.1
Farm Workers and Related Occupations	37	9.3
Forestry and Fishing Occupations	56	109.5
Crafts		
Mechanics and Repairers	77	6.4
Construction Trades	166	11.7
Other Precision Production, Craft, and Repair	80	6.8
Mach Operators		
Machine Operators/Tenders, Except Precision	58	2.4
Fabricators, Assemblers, Inspectors, Samplers	27	2.4
Transport		
Motor Vehicle Operators	171	17.3
Other Transport and Material Moving Occ	64	16.1
Laborers		
Construction Laborers	100	50.1
Freight, Stock, & Materials Handlers	25	4.1
Other Handlers, Equip. Cleaner, Helper, Laborer	66	10.6
Other or Not Classified	83	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for "unknown" or "not classified" categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

## State of Texas

### Traumatic Occupational Fatalities (1980-1995):

Number: 9,423

Rate: 7.7 per 100,000 workers

### Leading Causes of Death (1980-1995):

Motor Vehicle - 2,344

Homicide - 1,526

### Industries with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Construction - 1,449

Rate: Mining - 20.7 per 100,000 workers

### Occupations with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Precision Production/Craft/Repair - 1,567

Rate: Transportation/Material Movers - 28.9 per 100,000 workers

**Table TX-1.** *Number and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Year, Texas, 1980-1995.*

YEAR OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
1980	854	13.8
1981	820	12.7
1982	788	11.5
1983	669	9.5
1984	722	9.7
1985	703	9.5
1986	494	6.7
1987	515	6.7
1988	530	6.9
1989	543	7.0
1990	529	6.6
1991	502	6.1
1992	427	5.1
1993	446	5.2
1994	463	5.3
1995	418	4.6
<b>Total</b>	<b>9,423</b>	<b>7.7</b>

*Table TX-2. Number\* and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Sex, Race, and Age Group, Texas, 1980-1995.*

DEMOGRAPHICS	Total		YEAR OF DEATH					
			1980-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Sex								
Male	8,812	12.6	4,278	17.7	2,423	11.2	2,111	8.8
Female	611	1.2	278	1.6	188	1.1	145	0.8
Race								
White	8,200	7.7	4,066	11.1	2,246	6.7	1,888	5.1
Black	930	7.2	414	10.0	278	6.5	238	5.2
Other	236	8.1	73	11.1	68	8.4	95	6.5
Age Group								
16-17	112	4.4	70	6.7	27	3.7	15	2.0
18-19	332	7.4	197	11.3	77	5.8	58	4.2
20-24	1,244	7.8	765	12.4	259	5.3	220	4.5
25-34	2,691	7.3	1,331	10.6	790	6.4	570	4.6
35-44	2,025	6.8	836	9.8	612	6.4	577	5.0
45-54	1,406	7.4	639	10.6	372	6.5	395	5.4
55-64	1,073	10.0	487	11.9	319	9.9	267	7.7
65+	531	15.3	228	17.0	150	15.5	153	13.2

\*Numbers not reported for "unknown" categories

**Table TX-3.** *Number and Average Annual Rate\* (per 100,000 workers) of Traumatic Occupational Fatalities by Cause of Death, Texas, 1980-1995.*

CAUSE OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
Motor Vehicle	2,344	1.9
Homicide	1,526	1.2
Machine	1,019	0.8
Fall	952	0.8
Electrocution	792	0.6
Struck By Falling Object	409	0.3
Explosion	353	0.3
Air Transport	283	0.2
Suicide	265	0.2
Flying Object/Caught In	222	0.2
Nature/Environment	211	0.2
Suffocation	164	0.1
Water Transport	153	0.1
Drowning	150	0.1
Fire	149	0.1
Poisoning	146	0.1
Rail Transport	55	< 0.1
Other	201	0.2
Unknown\Undetermined	29	---

\*Rates not calculated for “unknown” or “not classified” categories.

**Table TX-4.** Number and Rate\* (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Industry and Occupation Division, Texas, 1983-1995.

INDUSTRY/ OCCUPATION DIVISION	Total		YEAR OF DEATH					
			1983-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Industry Division								
Ag/For/Fish	579	18.5	142	18.2	246	23.5	191	14.7
Mining	553	20.7	214	29.0	193	18.2	146	16.6
Construction	1,449	18.5	450	21.2	572	20.4	427	14.7
Manufacturing	739	5.1	207	6.5	275	4.9	257	4.5
Trans/Comm/PU	1,165	15.1	374	25.1	443	15.4	348	10.3
Wholesale Trade	246	5.0	77	6.7	80	4.3	89	4.6
Retail Trade	762	4.3	204	5.4	257	3.9	301	4.0
Finance/Insur/RE	91	1.4	33	2.1	34	1.3	24	1.0
Services	778	2.4	201	3.2	278	2.3	299	2.0
Public Admin	302	6.3	90	9.7	120	6.8	92	4.4
Not Classified	297	---	102	---	113	---	82	---
Occupation Division								
Exec/Adm/Mgr	451	3.5	142	5.4	165	3.4	144	2.6
Prof/Spec	249	1.9	70	2.8	93	1.9	86	1.5
Tech/Support	173	5.0	42	6.2	74	5.7	57	3.9
Sales	546	4.1	143	4.9	167	3.3	236	4.5
Clerical	132	0.8	47	1.4	55	0.9	30	0.5
Service	511	3.7	127	4.6	209	4.1	175	2.9
Farm/For/Fish	590	18.4	150	18.6	250	22.7	190	14.5
Crafts	1,567	12.4	499	16.1	568	12.2	500	10.2
Mach Operators	313	5.8	79	6.7	125	5.9	109	5.2
Transport	1,322	28.9	416	43.3	479	28.9	427	21.9
Laborers	891	19.7	301	30.6	345	20.4	245	13.2
Not Classified	216	---	78	---	81	---	57	---

\*Rates not calculated for "unknown" or "not classified" categories.

**Table TX-5.** Number\* and Average Annual Rate<sup>††</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Industry Groupings, Texas, 1983-1995.

DETAILED INDUSTRY	NO. OF DEATHS	RATE	DETAILED INDUSTRY	NO. OF DEATHS	RATE
Ag/For/Fish			Retail Trade		
Ag Production	386	18.1	Food Stores	244	7.9
Ag Services	111	12.1	Motor Veh/Auto Supply Dealer	123	6.2
Forestry & Fisheries	82	109.9	Apparel & Accessory Stores	9	1.0
Mining			Eating & Drinking Places	151	2.9
Metal/Coal/Nonmetal Mining	29	23.4	Other Retail Trade	235	3.5
Oil and Gas Extraction	524	20.6	Finance/Insur/RE		
Construction	1,449	18.5	Banking and Other Finance	28	1.1
Manufacturing			Insurance and Real Estate	63	1.6
Food & Kindred Prod	72	5.0	Services		
Textile Mill Prod	---	---	Business Services	158	3.6
Apparel & Other Textile Pr	7	0.9	Automobile and Repair Services	219	9.7
Paper & Allied Products	16	4.9	Private Household Services	33	2.4
Printing/Publishing/Allied	16	1.3	Pers Serv Exc Priv Household	85	2.8
Chemical/Petroleum/Rubber	166	7.2	Entertainment & Rec Services	69	5.5
Lumber & Wood	92	19.8	Hospitals	26	0.8
Furniture	5	1.8	Health Services, Exc Hosp	39	1.1
Stone/Clay/Concrete	45	8.4	Educational Services	65	0.8
Primary Metals	68	15.2	Other Professional Services	84	1.5
Fabricated Metals	45	5.0	Public Admin		
Mach, Ex Elect	64	3.3	Justice, Pub Order, & Safety	201	9.8
Elect Mach, Equip Supplies	29	1.8	Admin of Hum Res Programs	4	0.7
Motor Vehicles Equip	14	4.9	National Sec/Internal Affairs	16	2.1
Aircraft & Parts	14	2.3	Other Pub Admin	81	5.8
Other Transport Equip	26	7.8	Not Classified	297	---
Prof & Photo Equip/Watches	---	---			
Toys/Amusement/Sporting Goods	---	---			
Misc & NEC Industries	56	13.9			
Trans/Comm/PU					
Trucking/Warehousing/Storage	575	30.4			
Other Transportation	362	13.2			
Telephone Communications	22	2.0			
Other Communications	25	5.7			
Electric Light and Power	97	15.0			
Other Utility/Sanitary Service	84	9.0			
Wholesale Trade	246	5.0			

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for “unknown” or “not classified” categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table TX-6.** Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Occupation Groupings, Texas, 1983-1995.

DETAILED OCCUPATION	NO. OF DEATHS	RATE
Exec/Adm/Mgr		
Officials & Administrators, Public Admin	10	2.6
Other Executive, Admin & Managerial	398	4.4
Management Related Occupations	43	1.2
Prof/Spec		
Engineers	78	4.3
Mathematical and Computer Scientists	7	1.1
Natural Scientists	16	3.9
Health Diagnosing Occupations	15	2.5
Health Assessment and Treatment Occupations	16	1.0
Teachers, College and University	---	---
Teachers, Except College and University	41	1.0
Lawyers and Judges	15	2.7
Other Professional Specialty Occupations	60	2.0
Tech/Support		
Health Technologists and Technicians	12	1.1
Engineering and Science Technicians	60	5.3
Technicians, Exc Health/Engineering/Science	101	8.6
Sales		
Supervisors and Proprietors, Sales Occupations	313	8.9
Sales Reps, Finance and Business Services	30	1.4
Sales Reps, Commodities, Except Retail	34	2.0
Sales Workers, Retail & Personal Services	168	2.9
Sales Related Occupations	---	---
Clerical		
Supervisors, Administrative Support	5	0.8
Computer Equipment Operators	4	0.6
Secretaries, Stenographers, and Typists	23	0.5
Financial Records Processing	11	0.5
Mail and Message Distribution	24	3.2
Other Admin. Support, Including Clerical	65	0.8

DETAILED OCCUPATION	NO. OF DEATHS	RATE
Service		
Private Household Service Occupations	17	1.6
Protective Service	296	15.6
Food Service	53	1.1
Health Service	19	1.2
Cleaning and Building Service	94	3.6
Personal Service	32	1.5
Farm/For/Fish		
Farm Operators and Managers	210	19.2
Farm Workers and Related Occupations	258	12.7
Forestry and Fishing Occupations	122	141.2
Crafts		
Mechanics and Repairers	328	8.0
Construction Trades	797	16.5
Other Precision Production, Craft, and Repair	442	11.9
Mach Operators		
Machine Operators/Tenders, Except Precision	152	4.6
Fabricators, Assemblers, Inspectors, Samplers	161	7.7
Transport		
Motor Vehicle Operators	959	29.0
Other Transport and Material Moving Occ	363	28.8
Laborers		
Construction Laborers	445	52.9
Freight, Stock, & Materials Handlers	123	8.0
Other Handlers, Equip. Cleaner, Helper, Laborer	323	15.1
Other or Not Classified	216	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for "unknown" or "not classified" categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.



## State of Utah

### Traumatic Occupational Fatalities (1980-1995):

Number: 926

Rate: 7.8 per 100,000 workers

### Leading Causes of Death (1980-1995):

Motor Vehicle - 315

Machine - 91

### Industries with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Transportation/Communications/Public Utilities - 126

Rate: Mining - 85.1 per 100,000 workers

### Occupations with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Precision Production/Craft/Repair - 167

Rate: Transportation/Material Movers - 36.6 per 100,000 workers

**Table UT-1.** *Number and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Year, Utah, 1980-1995.*

YEAR OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
1980	66	11.3
1981	89	15.0
1982	67	10.8
1983	61	9.8
1984	110	16.5
1985	48	6.7
1986	54	7.6
1987	62	8.7
1988	50	6.9
1989	28	3.7
1990	38	4.9
1991	36	4.5
1992	41	5.0
1993	60	6.8
1994	64	6.9
1995	52	5.6
<b>Total</b>	<b>926</b>	<b>7.8</b>

**Table UT-2.** Number\*† and Rate‡ (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Sex, Race, and Age Group, Utah, 1980-1995.

DEMOGRAPHICS	Total		YEAR OF DEATH					
			1980-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Sex								
Male	874	12.9	424	18.9	218	10.5	232	9.5
Female	52	1.0	17	1.1	14	0.9	21	1.1
Race								
White	906	7.9	436	11.8	228	6.4	242	5.7
Black	5	7.3	---	---	---	---	3	10.7
Other	15	5.5	3	3.4	4	4.4	8	8.4
Age Group								
16-17	14	2.9	6	4.0	3	2.0	5	2.7
18-19	38	6.5	22	11.4	9	5.1	7	3.2
20-24	102	5.8	63	10.4	20	3.9	19	3.0
25-34	289	8.4	160	13.8	68	6.1	61	5.3
35-44	194	7.4	73	10.1	50	6.0	71	6.6
45-54	134	7.9	54	10.5	37	7.4	43	6.3
55-64	105	10.9	45	13.0	29	9.6	31	9.8
65+	49	17.7	17	17.0	16	20.6	16	16.2

\*Numbers not reported for cells with less than 3 deaths.

†Numbers not reported for "unknown" categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table UT-3.** Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Cause of Death, Utah, 1980-1995.

CAUSE OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
Motor Vehicle	315	2.7
Machine	91	0.8
Fall	74	0.6
Air Transport	62	0.5
Struck By Falling Object	57	0.5
Fire	52	0.4
Electrocution	48	0.4
Homicide	48	0.4
Explosion	33	0.3
Flying Object/Caught In	29	0.2
Suicide	22	0.2
Nature/Environment	19	0.2
Suffocation	16	0.1
Poisoning	12	0.1
Drowning	9	0.1
Rail Transport	6	0.1
Water Transport	---	---
Other	20	0.2
Unknown\Undetermined	13	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for “unknown” or “not classified” categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table UT-4.** Number<sup>\*†</sup> and Rate<sup>†‡§</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Industry and Occupation Division, Utah, 1983-1995.

INDUSTRY/ OCCUPATION DIVISION	Total		YEAR OF DEATH					
			1983-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Industry Division								
Ag/For/Fish	60	19.5	17	27.0	22	20.1	21	15.5
Mining	79	85.1	50	169.1	13	62.0	16	37.8
Construction	121	18.7	37	24.6	30	14.0	54	19.0
Manufacturing	78	5.3	31	10.8	23	4.1	24	3.8
Trans/Comm/PU	126	18.6	29	21.8	48	18.1	49	17.7
Wholesale Trade	19	4.5	7	7.0	6	3.9	6	3.5
Retail Trade	33	1.9	3	0.8	14	2.2	16	2.2
Finance/Insur/RE	11	1.9	---	---	5	2.2	---	---
Services	79	2.3	19	3.0	29	2.4	31	2.0
Public Admin	47	6.8	7	4.9	23	8.8	17	5.9
Not Classified	51	---	15	---	19	---	17	---
Occupation Division								
Exec/Adm/Mgr	61	4.8	21	9.2	21	4.5	19	3.3
Prof/Spec	36	2.6	10	3.9	7	1.4	19	3.1
Tech/Support	30	8.6	9	14.6	12	9.6	9	5.6
Sales	33	2.7	8	3.1	13	2.9	12	2.3
Clerical	10	0.6	---	---	5	0.8	---	---
Service	41	3.1	7	2.7	22	4.3	12	2.2
Farm/For/Fish	58	19.1	17	26.7	23	21.0	18	13.8
Crafts	167	14.0	54	20.1	46	11.2	67	12.9
Mach Operators	36	6.2	14	12.5	11	5.0	11	4.4
Transport	146	36.6	48	54.3	44	32.0	54	31.2
Laborers	46	11.1	16	20.2	12	7.9	18	9.9
Not Classified	40	---	13	---	16	---	11	---

\*Numbers not reported for cells with less than 3 deaths.

†Numbers and rates not reported for some cells with 3 or more deaths to meet confidentiality requirements.

‡Rates not calculated for "unknown" or "not classified" categories.

§Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table UT-5.** Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Industry Groupings, Utah, 1983-1995.

DETAILED INDUSTRY	NO. OF DEATHS	RATE	DETAILED INDUSTRY	NO. OF DEATHS	RATE
Ag/For/Fish			Retail Trade		
Ag Production	52	22.9	Food Stores	6	2.0
Ag Services	5	9.2	Motor Veh/Auto Supply Dealer	6	2.9
Forestry & Fisheries	3	11.5	Apparel & Accessory Stores	---	---
Mining			Eating & Drinking Places	6	1.2
Metal/Coal/Nonmetal Mining	62	89.7	Other Retail Trade	14	2.0
Oil and Gas Extraction	17	71.6	Finance/Insur/RE		
Construction	121	18.7	Banking and Other Finance	5	1.7
Manufacturing			Insurance and Real Estate	6	2.0
Food & Kindred Prod	12	6.1	Services		
Textile Mill Prod	---	---	Business Services	12	2.9
Apparel & Other Textile Pr	---	---	Automobile and Repair Services	17	10.0
Paper & Allied Products	---	---	Private Household Services	---	---
Printing/Publishing/Allied	---	---	Pers Serv Exc Priv Household	6	1.8
Chemical/Petroleum/Rubber	16	16.5	Entertainment & Rec Services	10	6.1
Lumber & Wood	5	16.7	Hospitals	7	2.2
Furniture	---	---	Health Services, Exc Hosp	---	---
Stone/Clay/Concrete	---	---	Educational Services	9	0.9
Primary Metals	11	12.8	Other Professional Services	15	2.7
Fabricated Metals	4	4.2	Public Admin		
Mach, Ex Elect	7	3.8	Justice, Pub Order, & Safety	21	14.4
Elect Mach, Equip Supplies	---	---	Admin of Hum Res Programs	---	---
Motor Vehicles Equip	---	---	National Sec/Internal Affairs	7	2.7
Aircraft & Parts	4	17.2	Other Pub Admin	17	7.4
Other Transport Equip	---	---	Not Classified	51	---
Prof & Photo Equip/Watches	---	---			
Toys/Amusement/Sporting Goods	---	---			
Misc & NEC Industries	6	13.4			
Trans/Comm/PU					
Trucking/Warehousing/Storage	89	44.8			
Other Transportation	23	10.5			
Telephone Communications	---	---			
Other Communications	3	9.8			
Electric Light and Power	6	6.7			
Other Utility/Sanitary Service	5	7.7			
Wholesale Trade	19	4.5			

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for “unknown” or “not classified” categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table UT-6. Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Occupation Groupings, Utah, 1983-1995.**



DETAILED OCCUPATION	NO. OF DEATHS	RATE
Exec/Adm/Mgr		
Officials & Administrators, Public Admin	---	---
Other Executive, Admin & Managerial	52	6.1
Management Related Occupations	7	2.0
Prof/Spec		
Engineers	10	6.3
Mathematical and Computer Scientists	---	---
Natural Scientists	10	17.5
Health Diagnosing Occupations	---	---
Health Assessment and Treatment Occupations	---	---
Teachers, College and University	---	---
Teachers, Except College and University	---	---
Lawyers and Judges	---	---
Other Professional Specialty Occupations	8	2.6
Tech/Support		
Health Technologists and Technicians	---	---
Engineering and Science Technicians	8	5.6
Technicians, Exc Health/Engineering/Science	22	18.7
Sales		
Supervisors and Proprietors, Sales Occupations	16	4.8
Sales Reps, Finance and Business Services	6	3.1
Sales Reps, Commodities, Except Retail	6	4.4
Sales Workers, Retail & Personal Services	4	0.7
Sales Related Occupations	---	---
Clerical		
Supervisors, Administrative Support	---	---
Computer Equipment Operators	---	---
Secretaries, Stenographers, and Typists	---	---
Financial Records Processing	---	---
Mail and Message Distribution	---	---
Other Admin. Support, Including Clerical	6	0.7

DETAILED OCCUPATION	NO. OF DEATHS	RATE
Service		
Private Household Service Occupations	---	---
Protective Service	24	17.8
Food Service	4	0.8
Health Service	3	2.4
Cleaning and Building Service	8	2.9
Personal Service	---	---
Farm/For/Fish		
Farm Operators and Managers	42	34.5
Farm Workers and Related Occupations	11	6.2
Forestry and Fishing Occupations	5	---
Crafts		
Mechanics and Repairers	39	10.0
Construction Trades	64	14.2
Other Precision Production, Craft, and Repair	64	18.2
Mach Operators		
Machine Operators/Tenders, Except Precision	19	5.7
Fabricators, Assemblers, Inspectors, Samplers	17	6.9
Transport		
Motor Vehicle Operators	112	37.9
Other Transport and Material Moving Occ	34	32.7
Laborers		
Construction Laborers	25	38.5
Freight, Stock, & Materials Handlers	---	---
Other Handlers, Equip. Cleaner, Helper, Laborer	19	9.2
Other or Not Classified	40	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for "unknown" or "not classified" categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

## State of Vermont

Traumatic Occupational Fatalities (1980-1995):

Number: 194

Rate: 4.4 per 100,000 workers

Leading Causes of Death (1980-1995):

Motor Vehicle - 53

Machine - 33

Industries with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Manufacturing - 37

Rate: Transportation/Communications/Public Utilities - 16.6 per 100,000 workers

Occupations with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Precision Production/Craft/Repair - 40

Rate: Transportation/Material Movers - 25.2 per 100,000 workers

*Table VT-1. Number and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Year, Vermont, 1980-1995.*

YEAR OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
1980	11	4.7
1981	14	5.7
1982	12	4.8
1983	12	4.9
1984	13	5.0
1985	19	7.2
1986	13	4.7
1987	12	4.2
1988	14	4.8
1989	14	4.8
1990	9	3.1
1991	13	4.6
1992	13	4.5
1993	6	2.0
1994	7	2.3
1995	12	3.9
<b>Total</b>	<b>194</b>	<b>4.4</b>

*Table VT-2. Number\*\*† and Rate‡ (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Sex, Race, and Age Group, Vermont, 1980-1995.*

DEMOGRAPHICS	Total		YEAR OF DEATH					
	No.	Rate	1980-85		1986-90		1991-95	
			No.	Rate	No.	Rate	No.	Rate
Sex								
Male	187	7.8	77	9.1	60	7.7	50	6.5
Female	7	0.3	4	0.6	---	---	---	---
Race								
White	192	4.4	80	5.4	61	4.3	51	3.5
Black	---	---	---	---	---	---	---	---
Other	---	---	---	---	---	---	---	---
Age Group								
16-17	---	---	---	---	---	---	---	---
18-19	6	3.8	4	6.5	---	---	---	---
20-24	27	5.5	13	6.5	8	5.2	6	4.4
25-34	48	3.9	20	4.5	18	4.3	10	2.7
35-44	40	3.5	17	5.2	10	2.7	13	3.0
45-54	31	4.3	11	5.1	11	5.0	9	3.2
55-64	25	6.0	10	6.6	6	4.6	9	6.6
65+	16	11.6	5	10.8	8	17.9	3	6.4

\*Numbers not reported for cells with less than 3 deaths.

†Numbers not reported for "unknown" categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table VT-3.** *Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Cause of Death, Vermont, 1980-1995.*

CAUSE OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
Motor Vehicle	53	1.2
Machine	33	0.7
Struck By Falling Object	33	0.7
Fall	19	0.4
Nature/Environment	9	0.2
Electrocution	8	0.2
Suffocation	7	0.2
Air Transport	6	0.1
Suicide	6	0.1
Homicide	5	0.1
Drowning	3	0.1
Fire	3	0.1
Rail Transport	---	---
Explosion	---	---
Flying Object/Caught In	---	---
Poisoning	---	---
Water Transport	---	---
Other	3	0.1
Unknown\Undetermined	---	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for “unknown” or “not classified” categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table VT-4. Number<sup>\*†</sup> and Rate<sup>†‡§</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Industry and Occupation Division, Vermont, 1983-1995.**

INDUSTRY/ OCCUPATION DIVISION	Total		YEAR OF DEATH					
			1983-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Industry Division								
Ag/For/Fish	18	12.9	8	23.5	6	12.0	4	7.2
Mining	7	---	3	---	---	---	---	---
Construction	28	9.2	8	12.4	14	10.2	6	5.8
Manufacturing	37	5.5	7	4.5	15	5.6	15	6.0
Trans/Comm/PU	31	16.6	9	24.3	10	13.9	12	15.4
Wholesale Trade	6	5.0	---	---	3	6.4	3	5.8
Retail Trade	6	1.0	---	---	3	1.3	---	---
Finance/Insur/RE	---	---	---	---	---	---	---	---
Services	12	0.9	3	1.3	6	1.2	3	0.5
Public Admin	6	4.0	---	---	---	---	3	5.0
Not Classified	6	---	4	---	---	---	---	---
Occupation Division								
Exec/Adm/Mgr	13	2.8	---	---	---	---	6	2.9
Prof/Spec	---	---	---	---	---	---	---	---
Tech/Support	7	5.6	---	---	3	6.4	---	---
Sales	4	1.0	---	---	---	---	---	---
Clerical	---	---	---	---	---	---	---	---
Service	6	1.2	---	---	---	---	3	1.5
Farm/For/Fish	35	22.5	10	25.1	13	23.8	12	19.7
Crafts	40	8.6	8	7.8	21	10.8	11	6.5
Mach Operators	4	1.6	---	---	---	---	---	---
Transport	34	25.2	12	42.9	8	13.6	14	29.1
Laborers	9	7.9	4	16.0	---	---	---	---
Not Classified	---	---	---	---	---	---	---	---

\*Numbers not reported for cells with less than 3 deaths.

†Numbers and rates not reported for some cells with 3 or more deaths to meet confidentiality requirements.

‡Rates not calculated for "unknown" or "not classified" categories.

§Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table VT-5.** Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Industry Groupings, Vermont, 1983-1995.

DETAILED INDUSTRY	NO. OF DEATHS	RATE	DETAILED INDUSTRY	NO. OF DEATHS	RATE
Ag/For/Fish			Retail Trade		
Ag Production	17	16.5	Food Stores	---	---
Ag Services	---	---	Motor Veh/Auto Supply Dealer	3	4.3
Forestry & Fisheries	---	---	Apparel & Accessory Stores	---	---
Mining			Eating & Drinking Places	---	---
Metal/Coal/Nonmetal Mining	7	---	Other Retail Trade	---	---
Oil and Gas Extraction	---	---	Finance/Insur/RE		
Construction	28	9.2	Banking and Other Finance	---	---
Manufacturing			Insurance and Real Estate	---	---
Food & Kindred Prod	3	7.0	Services		
Textile Mill Prod	---	---	Business Services	---	---
Apparel & Other Textile Pr	---	---	Automobile and Repair Services	5	8.9
Paper & Allied Products	---	---	Private Household Services	---	---
Printing/Publishing/Allied	---	---	Pers Serv Exc Priv Household	---	---
Chemical/Petroleum/Rubber	---	---	Entertainment & Rec Services	---	---
Lumber & Wood	18	31.3	Hospitals	---	---
Furniture	---	---	Health Services, Exc Hosp	---	---
Stone/Clay/Concrete	5	16.7	Educational Services	3	0.8
Primary Metals	---	---	Other Professional Services	---	---
Fabricated Metals	---	---	Public Admin		
Mach, Ex Elect	---	---	Justice, Pub Order, & Safety	3	6.7
Elect Mach, Equip Supplies	4	3.4	Admin of Hum Res Programs	---	---
Motor Vehicles Equip	---	---	National Sec/Internal Affairs	---	---
Aircraft & Parts	---	---	Other Pub Admin	3	5.0
Other Transport Equip	---	---	Not Classified	6	---
Prof & Photo Equip/Watches	---	---			
Toys/Amusement/Sporting Goods	---	---			
Misc & NEC Industries	---	---			
Trans/Comm/PU					
Trucking/Warehousing/Storage	19	39.3			
Other Transportation	7	10.7			
Telephone Communications	---	---			
Other Communications	---	---			
Electric Light and Power	---	---			
Other Utility/Sanitary Service	---	---			
Wholesale Trade	6	5.0			

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for “unknown” or “not classified” categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table VT-6.** Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Occupation Groupings, Vermont, 1983-1995.



DETAILED OCCUPATION	NO. OF DEATHS	RATE
Exec/Adm/Mgr		
Officials & Administrators, Public Admin	3	11.5
Other Executive, Admin & Managerial	10	3.0
Management Related Occupations	---	---
Prof/Spec		
Engineers	---	---
Mathematical and Computer Scientists	---	---
Natural Scientists	---	---
Health Diagnosing Occupations	---	---
Health Assessment and Treatment Occupations	---	---
Teachers, College and University	---	---
Teachers, Except College and University	---	---
Lawyers and Judges	---	---
Other Professional Specialty Occupations	---	---
Tech/Support		
Health Technologists and Technicians	---	---
Engineering and Science Technicians	---	---
Technicians, Exc Health/Engineering/Science	6	16.6
Sales		
Supervisors and Proprietors, Sales Occupations	---	---
Sales Reps, Finance and Business Services	---	---
Sales Reps, Commodities, Except Retail	---	---
Sales Workers, Retail & Personal Services	---	---
Sales Related Occupations	---	---
Clerical		
Supervisors, Administrative Support	---	---
Computer Equipment Operators	---	---
Secretaries, Stenographers, and Typists	---	---
Financial Records Processing	---	---
Mail and Message Distribution	---	---
Other Admin. Support, Including Clerical	---	---

DETAILED OCCUPATION	NO. OF DEATHS	RATE
Service		
Private Household Service Occupations	---	---
Protective Service	3	8.7
Food Service	---	---
Health Service	---	---
Cleaning and Building Service	---	---
Personal Service	---	---
Farm/For/Fish		
Farm Operators and Managers	14	24.8
Farm Workers and Related Occupations	6	7.7
Forestry and Fishing Occupations	15	73.5
Crafts		
Mechanics and Repairers	8	6.0
Construction Trades	20	9.5
Other Precision Production, Craft, and Repair	12	9.7
Mach Operators		
Machine Operators/Tenders, Except Precision	4	2.3
Fabricators, Assemblers, Inspectors, Samplers	---	---
Transport		
Motor Vehicle Operators	26	26.6
Other Transport and Material Moving Occ	8	21.4
Laborers		
Construction Laborers	4	18.7
Freight, Stock, & Materials Handlers	---	---
Other Handlers, Equip. Cleaner, Helper, Laborer	4	7.8
Other or Not Classified	---	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for "unknown" or "not classified" categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

## State of Virginia

### Traumatic Occupational Fatalities (1980-1995):

Number: 2,495

Rate: 5.4 per 100,000 workers

### Leading Causes of Death (1980-1995):

Motor Vehicle - 594

Machine - 393

### Industries with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Construction - 406

Rate: Mining - 44.3 per 100,000 workers

### Occupations with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Precision Production/Craft/Repair - 437

Rate: Farming/Forestry/Fishing - 25.8 per 100,000 workers

*Table VA-1. Number and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Year, Virginia, 1980-1995.*

YEAR OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
1980	244	10.0
1981	194	7.9
1982	163	6.7
1983	219	8.6
1984	198	7.4
1985	194	7.2
1986	195	7.1
1987	171	6.0
1988	178	6.0
1989	140	4.6
1990	117	3.8
1991	96	3.1
1992	106	3.3
1993	90	2.8
1994	101	3.1
1995	89	2.7
<b>Total</b>	<b>2,495</b>	<b>5.4</b>

**Table VA-2. Number<sup>\*†‡</sup> and Rate<sup>§</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Sex, Race, and Age Group, Virginia, 1980-1995.**

DEMOGRAPHICS	Total		YEAR OF DEATH					
			1980-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Sex								
Male	2,343	9.4	1,144	13.5	747	9.4	452	5.3
Female	152	0.7	68	1.0	54	0.8	30	0.4
Race								
White	1,949	5.3	967	7.6	596	5.1	386	3.0
Black	497	6.2	230	9.5	183	6.9	84	2.9
Other	37	3.4	13	6.1	15	4.0	9	1.8
Age Group								
16-17	25	2.6	16	4.5	---	---	---	---
18-19	54	3.8	31	5.7	19	4.3	4	0.9
20-24	284	5.4	149	7.5	94	5.7	41	2.5
25-34	625	4.8	297	6.8	206	5.0	122	2.8
35-44	507	4.3	234	6.8	154	4.0	119	2.7
45-54	441	5.5	217	8.9	139	5.6	85	2.8
55-64	353	7.7	176	10.2	112	8.0	65	4.4
65+	202	17.1	91	22.0	68	19.4	43	10.2

\*Numbers not reported for cells with less than 3 deaths.

†Numbers not reported for “unknown” categories.

‡Numbers and rates not reported for some cells with 3 or more deaths to meet confidentiality requirements.

§Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table VA-3.** *Number and Average Annual Rate\* (per 100,000 workers) of Traumatic Occupational Fatalities by Cause of Death, Virginia, 1980-1995.*

CAUSE OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
Motor Vehicle	594	1.3
Machine	393	0.9
Struck By Falling Object	238	0.5
Fall	237	0.5
Homicide	211	0.5
Electrocution	194	0.4
Water Transport	78	0.2
Suicide	76	0.2
Explosion	69	0.1
Nature/Environment	67	0.1
Air Transport	43	0.1
Fire	41	0.1
Flying Object/Caught In	39	0.1
Drowning	35	0.1
Suffocation	33	0.1
Poisoning	30	0.1
Rail Transport	23	< 0.1
Other	62	0.1
Unknown\Undetermined	32	---

\*Rates not calculated for "unknown" or "not classified" categories.

**Table VA-4.** Number and Rate\* (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Industry and Occupation Division, Virginia, 1983-1995.

INDUSTRY/ OCCUPATION DIVISION	Total		YEAR OF DEATH					
			1983-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Industry Division								
Ag/For/Fish	187	19.7	53	27.0	84	22.7	50	13.0
Mining	105	44.3	36	98.4	39	30.0	30	42.7
Construction	406	14.5	109	19.6	178	16.4	119	10.3
Manufacturing	316	5.3	111	7.9	133	5.9	72	3.2
Trans/Comm/PU	284	11.0	111	21.4	104	10.9	69	6.2
Wholesale Trade	58	4.2	15	5.3	29	5.1	14	2.6
Retail Trade	116	1.9	35	2.8	61	2.7	20	0.8
Finance/Insur/RE	22	0.9	6	1.3	11	1.2	5	0.5
Services	185	1.4	56	2.2	78	1.6	51	0.9
Public Admin	94	2.6	29	3.8	37	2.7	28	2.0
Not Classified	121	---	50	---	47	---	24	---
Occupation Division								
Exec/Adm/Mgr	110	2.0	27	2.6	50	2.4	33	1.4
Prof/Spec	60	1.1	24	2.2	19	0.9	17	0.7
Tech/Support	35	2.6	11	4.4	12	2.2	12	2.2
Sales	82	1.9	28	3.2	45	2.7	9	0.5
Clerical	35	0.6	8	0.6	20	0.9	7	0.3
Service	109	2.3	32	3.3	56	3.2	21	1.0
Farm/For/Fish	256	25.8	70	32.8	113	28.8	73	18.9
Crafts	437	9.3	144	14.3	170	9.4	123	6.5
Mach Operators	92	3.8	32	5.7	30	3.4	30	3.2
Transport	336	19.7	126	33.9	129	20.0	81	11.8
Laborers	238	16.2	69	21.6	105	16.8	64	12.1
Not Classified	104	---	40	---	52	---	12	---

\*Rates not calculated for "unknown" or "not classified" categories.

**Table VA-5.** Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Industry Groupings, Virginia, 1983-1995.

DETAILED INDUSTRY	NO. OF DEATHS	RATE	DETAILED INDUSTRY	NO. OF DEATHS	RATE
Ag/For/Fish			Retail Trade		
Ag Production	132	20.6	Food Stores	23	2.4
Ag Services	28	10.3	Motor Veh/Auto Supply Dealer	23	3.1
Forestry & Fisheries	27	74.6	Apparel & Accessory Stores	---	---
Mining			Eating & Drinking Places	25	1.5
Metal/Coal/Nonmetal Mining	104	45.9	Other Retail Trade	45	1.8
Oil and Gas Extraction	---	---	Finance/Insur/RE		
Construction	406	14.5	Banking and Other Finance	3	0.3
Manufacturing			Insurance and Real Estate	19	1.6
Food & Kindred Prod	23	4.3	Services		
Textile Mill Prod	12	2.4	Business Services	29	1.6
Apparel & Other Textile Pr	4	1.1	Automobile and Repair Services	41	7.2
Paper & Allied Products	13	6.4	Private Household Services	4	0.9
Printing/Publishing/Allied	7	1.2	Pers Serv Exc Priv Household	30	2.6
Chemical/Petroleum/Rubber	27	5.5	Entertainment & Rec Services	10	2.2
Lumber & Wood	113	33.6	Hospitals	14	1.0
Furniture	11	4.8	Health Services, Exc Hosp	4	0.3
Stone/Clay/Concrete	14	10.1	Educational Services	24	0.8
Primary Metals	26	14.1	Other Professional Services	29	1.0
Fabricated Metals	---	---	Public Admin		
Mach, Ex Elect	14	3.3	Justice, Pub Order, & Safety	44	5.7
Elect Mach, Equip Supplies	3	0.6	Admin of Hum Res Programs	---	---
Motor Vehicles Equip	---	---	National Sec/Internal Affairs	15	1.1
Aircraft & Parts	---	---	Other Pub Admin	34	2.9
Other Transport Equip	20	3.4	Not Classified	122	---
Prof & Photo Equip/Watches	3	2.6			
Toys/Amusement/Sporting Goods	---	---			
Misc & NEC Industries	23	8.9			
Trans/Comm/PU					
Trucking/Warehousing/Storage	156	26.3			
Other Transportation	91	10.6			
Telephone Communications	3	0.7			
Other Communications	3	1.5			
Electric Light and Power	17	6.1			
Other Utility/Sanitary Service	14	6.5			
Wholesale Trade	58	4.2			

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for “unknown” or “not classified” categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table VA-6. Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Occupation Groupings, Virginia, 1983-1995.**



DETAILED OCCUPATION	NO. OF DEATHS	RATE
Exec/Adm/Mgr		
Officials & Administrators, Public Admin	4	0.8
Other Executive, Admin & Managerial Management Related Occupations	89	2.6
Prof/Spec		
Engineers	19	2.6
Mathematical and Computer Scientists	---	---
Natural Scientists	4	2.7
Health Diagnosing Occupations	4	1.5
Health Assessment and Treatment Occupations	4	0.6
Teachers, College and University	3	1.4
Teachers, Except College and University	7	0.5
Lawyers and Judges	---	---
Other Professional Specialty Occupations	17	1.3
Tech/Support		
Health Technologists and Technicians	4	1.0
Engineering and Science Technicians	15	3.5
Technicians, Exc Health/Engineering/Science	16	3.2
Sales		
Supervisors and Proprietors, Sales Occupations	32	2.5
Sales Reps, Finance and Business Services	13	1.9
Sales Reps, Commodities, Except Retail	11	2.9
Sales Workers, Retail & Personal Services	26	1.3
Sales Related Occupations	---	---
Clerical		
Supervisors, Administrative Support	---	---
Computer Equipment Operators	---	---
Secretaries, Stenographers, and Typists	7	0.4
Financial Records Processing	---	---
Mail and Message Distribution	8	2.9
Other Admin. Support, Including Clerical	17	0.6

DETAILED OCCUPATION	NO. OF DEATHS	RATE
Service		
Private Household Service Occupations	4	1.1
Protective Service	54	8.0
Food Service	6	0.4
Health Service	6	1.0
Cleaning and Building Service	34	4.1
Personal Service	5	0.6
Farm/For/Fish		
Farm Operators and Managers	113	31.0
Farm Workers and Related Occupations	53	9.3
Forestry and Fishing Occupations	90	158.5
Crafts		
Mechanics and Repairers	79	5.0
Construction Trades	210	10.8
Other Precision Production, Craft, and Repair	148	12.3
Mach Operators		
Machine Operators/Tenders, Except Precision	64	3.8
Fabricators, Assemblers, Inspectors, Samplers	28	4.0
Transport		
Motor Vehicle Operators	246	19.3
Other Transport and Material Moving Occ	90	20.8
Laborers		
Construction Laborers	106	47.2
Freight, Stock, & Materials Handlers	21	4.0
Other Handlers, Equip. Cleaner, Helper, Laborer	111	15.3
Other or Not Classified	104	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for "unknown" or "not classified" categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

## State of Washington

### Traumatic Occupational Fatalities (1980-1995):

Number: 1,783

Rate: 5.2 per 100,000 workers

### Leading Causes of Death (1980-1995):

Motor Vehicle - 387

Machine - 251

### Industries with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Manufacturing - 322

Rate: Mining - 32.8 per 100,000 workers

### Occupation with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Farming/Forestry/Fishing - 331

Rate: Farming/Forestry/Fishing - 30.9 per 100,000 workers

*Table WA-1. Number and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Year, Washington, 1980-1995.*

YEAR OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
1980	140	7.7
1981	153	8.6
1982	126	7.0
1983	106	5.8
1984	119	6.4
1985	110	5.7
1986	87	4.3
1987	120	5.8
1988	89	4.1
1989	112	4.9
1990	125	5.2
1991	103	4.3
1992	100	4.1
1993	101	4.0
1994	106	4.2
1995	86	3.3
<b>Total</b>	<b>1,783</b>	<b>5.2</b>

*Table WA-2. Number\*†‡ and Rate§ (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Sex, Race, and Age Group, Washington, 1980-1995.*

DEMOGRAPHICS	Total		YEAR OF DEATH					
			1980-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Sex								
Male	1,664	8.7	714	11.3	492	8.3	458	6.7
Female	119	0.8	40	0.9	41	0.8	38	0.7
Race								
White	1,674	5.3	718	7.0	502	5.0	454	4.0
Black	30	3.5	13	5.0	6	2.1	11	3.4
Other	66	3.9	23	4.9	20	3.7	23	3.4
Age Group								
16-17	11	1.3	---	---	---	---	7	2.7
18-19	44	3.8	28	6.5	11	2.9	5	1.4
20-24	176	4.6	81	5.9	56	5.2	39	2.9
25-34	468	4.7	201	6.1	145	4.6	122	3.6
35-44	457	5.0	171	6.8	140	4.6	146	4.1
45-54	290	5.2	124	7.7	81	4.6	85	3.8
55-64	227	7.1	104	8.6	70	7.2	53	5.3
65+	108	13.7	42	16.9	29	11.0	37	13.4

\*Numbers not reported for cells with less than 3 deaths.

†Numbers not reported for "unknown" categories.

‡Numbers and rates not reported for some cells with 3 or more deaths to meet confidentiality requirements.

§Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table WA-3.** *Number and Average Annual Rate\* (per 100,000 workers) of Traumatic Occupational Fatalities by Cause of Death, Washington, 1980-1995.*

CAUSE OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
Motor Vehicle	387	1.1
Machine	251	0.7
Struck By Falling Object	204	0.6
Fall	178	0.5
Homicide	129	0.4
Air Transport	103	0.3
Water Transport	97	0.3
Electrocution	88	0.3
Flying Object/Caught In	67	0.2
Nature/Environment	52	0.2
Explosion	43	0.1
Drowning	34	0.1
Suffocation	28	0.1
Poisoning	26	0.1
Suicide	26	0.1
Rail Transport	13	< 0.1
Fire	10	< 0.1
Other	32	0.1
Unknown\Undetermined	15	---

\*Rates not calculated for “unknown” or “not classified” categories.

**Table WA-4. Number and Rate\*† (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Industry and Occupation Division, Washington, 1983-1995.**

INDUSTRY/ OCCUPATION DIVISION	Total		YEAR OF DEATH					
			1983-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Industry Division								
Ag/For/Fish	209	18.5	44	14.3	79	18.4	86	22.0
Mining	17	32.8	3	---	7	---	7	25.0
Construction	206	10.9	56	16.1	79	11.5	71	8.4
Manufacturing	322	7.2	86	9.9	147	8.0	89	5.1
Trans/Comm/PU	213	10.7	52	12.9	73	9.6	88	10.6
Wholesale Trade	37	3.0	9	3.5	15	3.1	13	2.6
Retail Trade	72	1.4	18	1.8	21	1.1	33	1.4
Finance/Insur/RE	23	1.2	8	2.3	7	1.0	8	1.0
Services	135	1.4	29	1.7	53	1.6	53	1.2
Public Admin	69	3.9	21	5.7	28	4.1	20	2.8
Not Classified	61	---	9	---	24	---	28	---
Occupation Division								
Exec/Adm/Mgr	74	2.0	18	2.7	33	2.4	23	1.3
Prof/Spec	59	1.4	18	2.3	18	1.2	23	1.2
Tech/Support	62	6.3	16	9.4	23	6.5	23	5.0
Sales	53	1.5	11	1.6	17	1.3	25	1.5
Clerical	26	0.6	7	0.9	10	0.6	9	0.5
Service	79	2.0	18	2.3	30	2.0	31	1.8
Farm/For/Fish	331	30.9	83	28.3	142	35.8	106	27.8
Crafts	241	7.3	50	7.6	102	7.8	89	6.6
Mach Operators	67	5.2	19	7.3	19	3.8	29	5.5
Transport	232	20.0	58	23.4	84	19.2	90	19.0
Laborers	94	8.2	27	11.6	40	9.2	27	5.6
Not Classified	46	---	10	---	15	---	21	---

\*Rates not calculated for "unknown" or "not classified" categories.

†Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table WA-5.** Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Industry Groupings, Washington, 1983-1995.

DETAILED INDUSTRY	NO. OF DEATHS	RATE	DETAILED INDUSTRY	NO. OF DEATHS	RATE
Ag/For/Fish			Retail Trade		
Ag Production	107	16.5	Food Stores	13	1.3
Ag Services	30	12.9	Motor Veh/Auto Supply Dealer	15	2.8
Forestry & Fisheries	72	28.8	Apparel & Accessory Stores	---	---
Mining			Eating & Drinking Places	17	1.0
Metal/Coal/Nonmetal Mining	11	25.7	Other Retail Trade	25	1.4
Oil and Gas Extraction	6	---	Finance/Insur/RE		
Construction	206	10.9	Banking and Other Finance	5	0.7
Manufacturing			Insurance and Real Estate	18	1.6
Food & Kindred Prod	17	4.4	Services		
Textile Mill Prod	---	---	Business Services	22	1.8
Apparel & Other Textile Pr	---	---	Automobile and Repair Services	39	8.1
Paper & Allied Products	11	5.8	Private Household Services	---	---
Printing/Publishing/Allied	4	1.1	Pers Serv Exc Priv Household	8	1.0
Chemical/Petroleum/Rubber	5	3.2	Entertainment & Rec Services	12	2.9
Lumber & Wood	211	34.6	Hospitals	5	0.5
Furniture	---	---	Health Services, Exc Hosp	13	1.0
Stone/Clay/Concrete	6	6.1	Educational Services	18	0.9
Primary Metals	16	10.1	Other Professional Services	17	0.9
Fabricated Metals	9	5.9	Public Admin		
Mach, Ex Elect	7	2.6	Justice, Pub Order, & Safety	39	7.9
Elect Mach, Equip Supplies	4	1.4	Admin of Hum Res Programs	---	---
Motor Vehicles Equip	---	---	National Sec/Internal Affairs	12	8.7
Aircraft & Parts	7	0.8	Other Pub Admin	16	1.9
Other Transport Equip	14	3.2	Not Classified	62	---
Prof & Photo Equip/Watches	---	---			
Toys/Amusement/Sporting Goods	---	---			
Misc & NEC Industries	11	11.1			
Trans/Comm/PU					
Trucking/Warehousing/Storage	102	23.2			
Other Transportation	86	9.6			
Telephone Communications	3	1.2			
Other Communications	6	7.6			
Electric Light and Power	10	6.0			
Other Utility/Sanitary Service	6	3.6			
Wholesale Trade	37	3.0			

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for “unknown” or “not classified” categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table WA-6. Number\* and Average Annual Rate<sup>††</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Occupation Groupings, Washington, 1983-1995.**



DETAILED OCCUPATION	NO. OF DEATHS	RATE
Exec/Adm/Mgr		
Officials & Administrators, Public Admin	---	---
Other Executive, Admin & Managerial	65	2.6
Management Related Occupations	7	0.7
Prof/Spec		
Engineers	16	2.6
Mathematical and Computer Scientists	---	---
Natural Scientists	3	1.9
Health Diagnosing Occupations	8	3.4
Health Assessment and Treatment Occupations	3	0.5
Teachers, College and University	---	---
Teachers, Except College and University	10	1.1
Lawyers and Judges	3	1.4
Other Professional Specialty Occupations	16	1.5
Tech/Support		
Health Technologists and Technicians	5	1.5
Engineering and Science Technicians	10	3.3
Technicians, Exc Health/Engineering/Science	47	13.2
Sales		
Supervisors and Proprietors, Sales Occupations	25	2.6
Sales Reps, Finance and Business Services	9	1.5
Sales Reps, Commodities, Except Retail	5	1.2
Sales Workers, Retail & Personal Services	14	0.9
Sales Related Occupations	---	---
Clerical		
Supervisors, Administrative Support	---	---
Computer Equipment Operators	---	---
Secretaries, Stenographers, and Typists	---	---
Financial Records Processing	3	0.4
Mail and Message Distribution	7	3.4
Other Admin. Support, Including Clerical	13	0.6

DETAILED OCCUPATION	NO. OF DEATHS	RATE
Service		
Private Household Service Occupations	---	---
Protective Service	48	11.4
Food Service	12	0.7
Health Service	3	0.7
Cleaning and Building Service	12	1.8
Personal Service	4	0.6
Farm/For/Fish		
Farm Operators and Managers	56	16.3
Farm Workers and Related Occupations	63	11.7
Forestry and Fishing Occupations	212	110.5
Crafts		
Mechanics and Repairers	69	6.5
Construction Trades	121	9.2
Other Precision Production, Craft, and Repair	51	5.5
Mach Operators		
Machine Operators/Tenders, Except Precision	44	5.5
Fabricators, Assemblers, Inspectors, Samplers	23	4.7
Transport		
Motor Vehicle Operators	154	19.1
Other Transport and Material Moving Occ	78	21.9
Laborers		
Construction Laborers	36	21.4
Freight, Stock, & Materials Handlers	14	3.4
Other Handlers, Equip. Cleaner, Helper, Laborer	44	7.7
Other or Not Classified	46	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for "unknown" or "not classified" categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.



## State of West Virginia

### Traumatic Occupational Fatalities (1980-1995):

Number: 1,142

Rate: 10.4 per 100,000 workers

### Leading Causes of Death (1980-1995):

Motor Vehicle - 310

Struck by Falling Object - 182

### Industry with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Mining - 206

Rate: Mining - 41.4 per 100,000 workers

### Occupations with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Precision Production/Craft/Repair - 257

Rate: Farming/Forestry/Fishing - 42.4 per 100,000 workers

*Table WV-1. Number and Rate (per 100,000 workers)  
of Traumatic Occupational Fatalities by Year, West Virginia, 1980-1995.*

YEAR OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
1980	89	12.6
1981	103	14.7
1982	82	12.4
1983	72	11.4
1984	74	11.2
1985	73	10.9
1986	70	10.6
1987	71	10.6
1988	73	11.0
1989	60	8.5
1990	58	8.3
1991	69	9.9
1992	70	10.2
1993	67	9.5
1994	60	8.4
1995	51	7.0
<b>Total</b>	<b>1,142</b>	<b>10.4</b>



**Table WV-2. Number\*†‡ and Rate§ (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Sex, Race, and Age Group, West Virginia, 1980-1995.**

DEMOGRAPHICS	Total		YEAR OF DEATH					
			1980-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Sex								
Male	1,105	17.4	475	19.7	322	16.5	308	15.6
Female	37	0.8	18	1.1	10	0.7	9	0.6
Race								
White	1,101	10.4	477	12.2	318	9.7	306	9.0
Black	41	12.7	16	15.5	14	13.4	11	9.7
Other	---	---	---	---	---	---	---	---
Age Group								
16-17	10	6.0	---	---	4	7.0	---	---
18-19	21	5.6	12	7.8	6	5.1	3	2.8
20-24	89	7.3	43	8.8	25	7.1	21	5.5
25-34	333	11.3	168	14.3	96	10.5	69	8.0
35-44	299	10.6	114	12.9	89	9.4	96	9.7
45-54	200	10.1	83	12.2	58	9.8	59	8.3
55-64	134	11.5	49	10.3	37	11.0	48	13.5
65+	56	20.7	20	19.3	17	22.3	19	20.9

\*Numbers not reported for cells with less than 3 deaths.

†Numbers not reported for "unknown" categories.

‡Numbers and rates not reported for some cells with 3 or more deaths to meet confidentiality requirements.

§Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table WV-3.** *Number and Average Annual Rate\* (per 100,000 workers) of Traumatic Occupational Fatalities by Cause of Death, West Virginia, 1980-1995.*

CAUSE OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
Motor Vehicle	310	2.8
Struck By Falling Object	182	1.7
Machine	172	1.6
Electrocution	78	0.7
Fall	72	0.7
Homicide	56	0.5
Nature/Environment	41	0.4
Air Transport	39	0.4
Explosion	31	0.3
Suffocation	24	0.2
Flying Object/Caught In	22	0.2
Suicide	20	0.2
Rail Transport	17	0.2
Water Transport	15	0.1
Fire	11	0.1
Poisoning	11	0.1
Drowning	8	0.1
Other	30	0.3
Unknown\Undetermined	3	---

\*Rates not calculated for "unknown" or "not classified" categories.



**Table WV-4.** Number<sup>\*†</sup> and Rate<sup>†‡§</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Industry and Occupation Division, West Virginia, 1983-1995.

INDUSTRY/ OCCUPATION DIVISION	Total		YEAR OF DEATH					
			1983-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Industry Division								
Ag/For/Fish	24	14.1	4	8.4	11	17.6	9	14.9
Mining	206	41.4	52	34.7	71	38.1	83	51.5
Construction	124	21.1	25	20.9	50	20.6	49	21.8
Manufacturing	142	10.7	38	12.7	52	9.8	52	10.4
Trans/Comm/PU	168	23.3	41	25.8	76	28.0	51	17.6
Wholesale Trade	18	6.1	4	5.9	6	5.3	8	7.0
Retail Trade	57	3.4	11	3.2	22	3.3	24	3.5
Finance/Insur/RE	5	1.3	---	---	---	---	---	---
Services	52	1.8	14	2.3	15	1.4	23	1.9
Public Admin	24	6.2	10	12.4	9	6.1	5	3.1
Not Classified	48	---	20	---	16	---	12	---
Occupation Division								
Exec/Adm/Mgr	36	4.6	8	4.7	13	4.4	15	4.7
Prof/Spec	24	2.3	7	3.1	10	2.6	7	1.6
Tech/Support	18	6.9	---	---	9	10.4	---	---
Sales	34	3.3	6	2.7	13	3.3	15	3.6
Clerical	7	0.6	---	---	---	---	3	0.6
Service	26	2.0	4	1.4	10	2.0	12	2.2
Farm/For/Fish	94	42.4	20	33.1	35	44.3	39	47.3
Crafts	257	20.1	61	20.5	89	17.8	107	22.4
Mach Operators	34	6.2	10	8.8	9	4.0	15	7.1
Transport	213	33.4	51	34.6	87	35.3	75	30.8
Laborers	89	17.2	29	25.1	37	17.0	23	12.4
Not Classified	36	---	14	---	18	---	4	---

\*Numbers not reported for cells with less than 3 deaths.

†Numbers and rates not reported for some cells with 3 or more deaths to meet confidentiality requirements.

‡Rates not calculated for "unknown" or "not classified" categories.

§Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table WV-5.** Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Industry Groupings, West Virginia, 1983-1995.

DETAILED INDUSTRY	NO. OF DEATHS	RATE	DETAILED INDUSTRY	NO. OF DEATHS	RATE
Ag/For/Fish			Retail Trade		
Ag Production	19	17.4	Food Stores	11	3.4
Ag Services	5	9.5	Motor Veh/Auto Supply Dealer	10	4.5
Forestry & Fisheries	---	---	Apparel & Accessory Stores	---	---
Mining			Eating & Drinking Places	7	1.5
Metal/Coal/Nonmetal Mining	192	45.6	Other Retail Trade	27	4.3
Oil and Gas Extraction	14	18.4	Finance/Insur/RE		
Construction	124	21.1	Banking and Other Finance	---	---
Manufacturing			Insurance and Real Estate	5	2.8
Food & Kindred Prod	4	4.3	Services		
Textile Mill Prod	---	---	Business Services	3	1.7
Apparel & Other Textile Pr	---	---	Automobile and Repair Services	15	8.9
Paper & Allied Products	---	---	Private Household Services	---	---
Printing/Publishing/Allied	---	---	Pers Serv Exc Priv Household	4	1.8
Chemical/Petroleum/Rubber	10	3.3	Entertainment & Rec Services	6	6.6
Lumber & Wood	85	87.0	Hospitals	4	0.9
Furniture	---	---	Health Services, Exc Hosp	---	---
Stone/Clay/Concrete	5	4.2	Educational Services	6	0.7
Primary Metals	18	9.4	Other Professional Services	11	2.6
Fabricated Metals	---	---	Public Admin		
Mach, Ex Elect	6	8.5	Justice, Pub Order, & Safety	10	8.4
Elect Mach, Equip Supplies	---	---	Admin of Hum Res Programs	---	---
Motor Vehicles Equip	---	---	National Sec/Internal Affairs	---	---
Aircraft & Parts	---	---	Other Pub Admin	10	6.0
Other Transport Equip	---	---	Not Classified	49	---
Prof & Photo Equip/Watches	---	---			
Toys/Amusement/Sporting Goods	---	---			
Misc & NEC Industries	8	35.4			
Trans/Comm/PU					
Trucking/Warehousing/Storage	107	57.5			
Other Transportation	33	16.5			
Telephone Communications	3	4.9			
Other Communications	---	---			
Electric Light and Power	11	11.7			
Other Utility/Sanitary Service	13	9.1			
Wholesale Trade	18	6.1			

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for "unknown" or "not classified" categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table WV-6. Number\* and Average Annual Rate<sup>††</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Occupation Groupings, West Virginia, 1983-1995.**



DETAILED OCCUPATION	NO. OF DEATHS	RATE
Exec/Adm/Mgr		
Officials & Administrators, Public Admin	---	---
Other Executive, Admin & Managerial	34	6.2
Management Related Occupations	---	---
Prof/Spec		
Engineers	12	14.9
Mathematical and Computer Scientists	---	---
Natural Scientists	---	---
Health Diagnosing Occupations	---	---
Health Assessment and Treatment Occupations	---	---
Teachers, College and University	---	---
Teachers, Except College and University	---	---
Lawyers and Judges	---	---
Other Professional Specialty Occupations	5	2.3
Tech/Support		
Health Technologists and Technicians	---	---
Engineering and Science Technicians	3	4.2
Technicians, Exc Health/Engineering/Science	14	30.0
Sales		
Supervisors and Proprietors, Sales Occupations	21	6.3
Sales Reps, Finance and Business Services	3	3.1
Sales Reps, Commodities, Except Retail	3	3.7
Sales Workers, Retail & Personal Services	7	1.3
Sales Related Occupations	---	---
Clerical		
Supervisors, Administrative Support	---	---
Computer Equipment Operators	---	---
Secretaries, Stenographers, and Typists	---	---
Financial Records Processing	---	---
Mail and Message Distribution	---	---
Other Admin. Support, Including Clerical	4	0.7

DETAILED OCCUPATION	NO. OF DEATHS	RATE
Service		
Private Household Service Occupations	---	---
Protective Service	16	12.6
Food Service	3	0.6
Health Service	---	---
Cleaning and Building Service	3	1.1
Personal Service	---	---
Farm/For/Fish		
Farm Operators and Managers	17	25.5
Farm Workers and Related Occupations	13	10.0
Forestry and Fishing Occupations	64	248.8
Crafts		
Mechanics and Repairers	32	7.7
Construction Trades	65	14.6
Other Precision Production, Craft, and Repair	160	38.4
Mach Operators		
Machine Operators/Tenders, Except Precision	19	4.8
Fabricators, Assemblers, Inspectors, Samplers	15	9.7
Transport		
Motor Vehicle Operators	168	42.9
Other Transport and Material Moving Occ	45	18.3
Laborers		
Construction Laborers	44	56.2
Freight, Stock, & Materials Handlers	13	8.1
Other Handlers, Equip. Cleaner, Helper, Laborer	32	11.5
Other or Not Classified	36	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for "unknown" or "not classified" categories.

††Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

## State of Wisconsin

### Traumatic Occupational Fatalities (1980-1995):

Number: 1,729

Rate: 4.5 per 100,000 workers

### Leading Causes of Death (1980-1995):

Machine - 367

Motor Vehicle - 351

### Industry with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Agriculture/Forestry/Fisheries - 328

Rate: Agriculture/Forestry/Fisheries - 22.4 per 100,000 workers

### Occupation with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Farming/Forestry/Fishing - 347

Rate: Farming/Forestry/Fishing - 22.8 per 100,000 workers

**Table WI-1.** *Number and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Year, Wisconsin, 1980-1995.*

YEAR OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
1980	137	6.0
1981	119	5.2
1982	113	5.2
1983	98	4.4
1984	103	4.6
1985	123	5.6
1986	100	4.5
1987	123	5.3
1988	129	5.3
1989	110	4.4
1990	92	3.7
1991	83	3.4
1992	98	3.9
1993	107	4.1
1994	97	3.7
1995	97	3.5
<b>Total</b>	<b>1,729</b>	<b>4.5</b>

**Table WI-2.** *Number\*\*† and Rate‡§ (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Sex, Race, and Age Group, Wisconsin, 1980-1995.*

DEMOGRAPHICS	Total		YEAR OF DEATH					
			1980-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Sex								
Male	1,606	7.7	642	8.6	518	7.9	446	6.4
Female	123	0.7	51	0.9	36	0.7	36	0.6
Race								
White	1,653	4.5	673	5.2	530	4.6	450	3.7
Black	60	5.2	18	5.3	17	4.7	25	5.6
Other	15	3.4	---	---	7	5.7	---	---
Age Group								
16-17	18	1.4	10	2.1	---	---	---	---
18-19	47	3.0	19	2.9	17	3.7	11	2.5
20-24	179	3.8	89	4.6	48	3.5	42	3.0
25-34	366	3.5	153	4.1	114	3.4	99	2.9
35-44	333	3.6	123	4.7	113	3.8	97	2.7
45-54	295	4.7	116	5.6	90	4.7	89	3.9
55-64	260	6.8	99	6.7	87	6.9	74	6.6
65+	231	20.9	84	21.0	79	24.4	68	17.9

\*Numbers not reported for cells with less than 3 deaths.

†Numbers not reported for “unknown” categories.

‡Numbers and rates not reported for some cells with 3 or more deaths to meet confidentiality requirements.

§Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table WI-3.** *Number and Average Annual Rate\* (per 100,000 workers) of Traumatic Occupational Fatalities by Cause of Death, Wisconsin, 1980-1995.*

CAUSE OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
Machine	367	1.0
Motor Vehicle	351	0.9
Fall	163	0.4
Homicide	162	0.4
Struck By Falling Object	124	0.3
Electrocution	106	0.3
Suicide	62	0.2
Nature/Environment	56	0.1
Air Transport	52	0.1
Suffocation	52	0.1
Poisoning	37	0.1
Explosion	36	0.1
Flying Object/Caught In	30	0.1
Fire	23	0.1
Drowning	20	0.1
Water Transport	13	< 0.1
Rail Transport	9	< 0.1
Other	58	0.2
Unknown\Undetermined	8	---

\*Rates not calculated for "unknown" or "not classified" categories.

**Table WI-4.** Number<sup>\*†</sup> and Rate<sup>†‡§</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Industry and Occupation Division, Wisconsin, 1983-1995.

INDUSTRY/ OCCUPATION DIVISION	Total		YEAR OF DEATH					
			1983-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Industry Division								
Ag/For/Fish	328	22.4	81	28.7	141	24.7	106	17.4
Mining	6	21.1	---	---	---	---	---	---
Construction	192	10.9	44	12.9	66	10.1	82	10.8
Manufacturing	262	3.5	58	3.5	115	4.0	89	2.9
Trans/Comm/PU	164	9.4	41	9.9	70	10.7	53	7.8
Wholesale Trade	56	4.7	15	6.3	21	4.7	20	4.0
Retail Trade	104	2.0	24	2.1	41	2.0	39	1.9
Finance/Insur/RE	14	0.8	8	2.3	3	0.5	3	0.4
Services	121	1.2	27	1.4	49	1.3	45	1.1
Public Admin	56	5.5	8	3.2	25	7.2	23	5.5
Not Classified	57	---	17	---	23	---	17	---
Occupation Division								
Exec/Adm/Mgr	104	3.2	25	3.9	41	3.4	38	2.7
Prof/Spec	52	1.3	14	1.8	22	1.5	16	0.9
Tech/Support	27	3.0	7	3.9	11	3.4	9	2.3
Sales	93	2.8	20	2.8	31	2.4	42	3.2
Clerical	18	0.4	4	0.4	9	0.5	5	0.3
Service	71	1.6	21	2.0	24	1.4	26	1.4
Farm/For/Fish	347	22.8	89	29.4	150	24.8	108	17.6
Crafts	194	5.2	38	4.7	79	5.6	77	5.1
Mach Operators	86	2.9	13	2.0	42	3.8	31	2.5
Transport	188	14.5	52	16.8	70	14.4	66	13.2
Laborers	132	9.3	29	11.4	53	9.4	50	8.4
Not Classified	48	---	12	---	22	---	14	---

\*Numbers not reported for cells with less than 3 deaths.

†Numbers and rates not reported for some cells with 3 or more deaths to meet confidentiality requirements.

‡Rates not calculated for "unknown" or "not classified" categories.

§Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table WI-5.** Number\* and Average Annual Rate<sup>††</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Industry Groupings, Wisconsin, 1983-1995.

DETAILED INDUSTRY	NO. OF DEATHS	RATE	DETAILED INDUSTRY	NO. OF DEATHS	RATE
Ag/For/Fish			Retail Trade		
Ag Production	310	24.3	Food Stores	19	2.4
Ag Services	13	8.3	Motor Veh/Auto Supply Dealer	24	4.3
Forestry & Fisheries	5	15.6	Apparel & Accessory Stores	---	---
Mining			Eating & Drinking Places	19	1.1
Metal/Coal/Nonmetal Mining	5	23.3	Other Retail Trade	41	2.0
Oil and Gas Extraction	---	---	Finance/Insur/RE		
Construction	192	10.9	Banking and Other Finance	5	0.7
Manufacturing			Insurance and Real Estate	9	0.9
Food & Kindred Prod	41	4.7	Services		
Textile Mill Prod	3	6.3	Business Services	21	2.2
Apparel & Other Textile Pr	---	---	Automobile and Repair Services	35	7.8
Paper & Allied Products	15	2.1	Private Household Services	---	---
Printing/Publishing/Allied	16	2.3	Pers Serv Exc Priv Household	11	1.3
Chemical/Petroleum/Rubber	16	2.8	Entertainment & Rec Services	9	2.2
Lumber & Wood	37	11.8	Hospitals	5	0.4
Furniture	---	---	Health Services, Exc Hosp	9	0.6
Stone/Clay/Concrete	10	7.3	Educational Services	13	0.5
Primary Metals	23	7.5	Other Professional Services	17	1.1
Fabricated Metals	19	3.1	Public Admin		
Mach, Ex Elect	28	2.1	Justice, Pub Order, & Safety	35	8.8
Elect Mach, Equip Supplies	8	1.1	Admin of Hum Res Programs	---	---
Motor Vehicles Equip	10	2.9	National Sec/Internal Affairs	4	7.3
Aircraft & Parts	---	---	Other Pub Admin	13	2.8
Other Transport Equip	5	8.6	Not Classified	60	---
Prof & Photo Equip/Watches	---	---			
Toys/Amusement/Sporting Goods	---	---			
Misc & NEC Industries	26	14.2			
Trans/Comm/PU					
Trucking/Warehousing/Storage	93	15.9			
Other Transportation	43	9.0			
Telephone Communications	3	1.5			
Other Communications	---	---			
Electric Light and Power	11	6.3			
Other Utility/Sanitary Service	12	6.0			
Wholesale Trade	56	4.7			

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for “unknown” or “not classified” categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table WI-6. Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Occupation Groupings, Wisconsin, 1983-1995.**

DETAILED OCCUPATION	NO. OF DEATHS	RATE
Exec/Adm/Mgr		
Officials & Administrators, Public Admin	5	3.8
Other Executive, Admin & Managerial	92	4.0
Management Related Occupations	7	0.9
Prof/Spec		
Engineers	10	2.5
Mathematical and Computer Scientists	---	---
Natural Scientists	3	2.5
Health Diagnosing Occupations	7	3.3
Health Assessment and Treatment Occupations	---	---
Teachers, College and University	3	1.1
Teachers, Except College and University	6	0.6
Lawyers and Judges	---	---
Other Professional Specialty Occupations	18	2.0
Tech/Support		
Health Technologists and Technicians	---	---
Engineering and Science Technicians	8	2.8
Technicians, Exc Health/Engineering/Science	17	7.3
Sales		
Supervisors and Proprietors, Sales Occupations	62	7.5
Sales Reps, Finance and Business Services	---	---
Sales Reps, Commodities, Except Retail	13	2.9
Sales Workers, Retail & Personal Services	16	1.0
Sales Related Occupations	---	---
Clerical		
Supervisors, Administrative Support	---	---
Computer Equipment Operators	---	---
Secretaries, Stenographers, and Typists	---	---
Financial Records Processing	---	---
Mail and Message Distribution	3	1.4
Other Admin. Support, Including Clerical	11	0.5

DETAILED OCCUPATION	NO. OF DEATHS	RATE
Service		
Private Household Service Occupations	---	---
Protective Service	39	9.7
Food Service	8	0.5
Health Service	---	---
Cleaning and Building Service	17	1.9
Personal Service	7	1.1
Farm/For/Fish		
Farm Operators and Managers	285	37.5
Farm Workers and Related Occupations	35	4.9
Forestry and Fishing Occupations	27	50.3
Crafts		
Mechanics and Repairers	51	4.4
Construction Trades	98	8.2
Other Precision Production, Craft, and Repair	45	3.3
Mach Operators		
Machine Operators/Tenders, Except Precision	54	2.9
Fabricators, Assemblers, Inspectors, Samplers	32	2.9
Transport		
Motor Vehicle Operators	142	15.1
Other Transport and Material Moving Occ	46	12.7
Laborers		
Construction Laborers	49	25.7
Freight, Stock, & Materials Handlers	10	2.2
Other Handlers, Equip. Cleaner, Helper, Laborer	73	9.5
Other or Not Classified	48	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for "unknown" or "not classified" categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

## State of Wyoming

### Traumatic Occupational Fatalities (1980-1995):

Number: 615

Rate: 16.7 per 100,000 workers

### Leading Causes of Death (1980-1995):

Motor Vehicle - 232

Machine - 96

### Industry with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Transportation/Communications/Public Utilities - 97

Rate: Transportation/Communications/Public Utilities - 39.0 per 100,000 workers

### Occupation with the Highest Number and Rate of Traumatic Occupational Fatalities (1983-1995):

Number: Transportation/Material Movers - 111

Rate: Transportation/Material Movers - 54.9 per 100,000 workers

*Table WY-1. Number and Rate (per 100,000 workers) of Traumatic Occupational Fatalities by Year, Wyoming, 1980-1995.*

YEAR OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
1980	62	27.2
1981	81	33.4
1982	50	20.7
1983	49	20.4
1984	35	14.4
1985	42	18.2
1986	28	12.1
1987	29	13.1
1988	41	18.9
1989	37	17.5
1990	27	12.1
1991	24	10.8
1992	24	10.6
1993	32	14.1
1994	26	11.0
1995	28	11.5
<b>Total</b>	<b>615</b>	<b>16.7</b>



**Table WY-2. Number<sup>\*†‡</sup> and Rate<sup>§</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Sex, Race, and Age Group, Wyoming, 1980-1995.**

DEMOGRAPHICS	Total		YEAR OF DEATH					
			1980-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Sex								
Male	584	27.9	306	36.5	154	24.9	124	19.6
Female	31	1.9	13	2.2	8	1.6	10	1.9
Race								
White	603	16.7	314	22.5	157	14.5	132	11.7
Black	---	---	---	---	---	---	---	---
Other	6	10.5	3	12.3	---	---	---	---
Age Group								
16-17	4	3.7	---	---	---	---	---	---
18-19	10	7.2	---	---	---	---	---	---
20-24	85	21.5	64	32.8	13	13.1	8	8.0
25-34	191	18.6	108	23.9	54	17.3	29	10.9
35-44	117	12.2	52	17.5	33	10.8	32	9.0
45-54	108	18.2	43	20.7	30	17.1	35	16.5
55-64	71	20.0	31	22.5	20	18.8	20	17.9
65+	28	26.2	10	23.9	8	25.2	10	29.8

\*Numbers not reported for cells with less than 3 deaths.

†Numbers not reported for "unknown" categories.

‡Numbers and rates not reported for some cells with 3 or more deaths to meet confidentiality requirements.

§Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table WY-3.** *Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Cause of Death, Wyoming, 1980-1995.*

CAUSE OF DEATH	NUMBER OF DEATHS	RATE PER 100,000
Motor Vehicle	232	6.3
Machine	96	2.6
Air Transport	51	1.4
Fall	36	1.0
Struck By Falling Object	30	0.8
Electrocution	23	0.6
Homicide	20	0.5
Nature/Environment	18	0.5
Rail Transport	18	0.5
Suffocation	18	0.5
Explosion	16	0.4
Flying Object/Caught In	15	0.4
Poisoning	12	0.3
Suicide	7	0.2
Fire	5	0.1
Water Transport	4	0.1
Drowning	---	---
Other	11	0.3
Unknown\Undetermined	---	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for “unknown” or “not classified” categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.



**Table WY-4.** Number<sup>\*†</sup> and Rate<sup>†‡§</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Year for Industry and Occupation Division, Wyoming, 1983-1995.

INDUSTRY/ OCCUPATION DIVISION	Total		YEAR OF DEATH					
			1983-85		1986-90		1991-95	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Industry Division								
Ag/For/Fish	52	24.3	12	25.5	19	25.7	21	22.6
Mining	69	27.8	21	30.0	28	30.2	20	23.4
Construction	77	32.8	24	35.0	24	28.5	29	35.3
Manufacturing	35	25.5	14	46.5	15	30.6	6	10.4
Trans/Comm/PU	97	39.0	29	54.1	41	39.4	27	29.7
Wholesale Trade	7	8.6	3	13.2	---	---	---	---
Retail Trade	24	4.5	6	5.0	8	4.1	10	4.6
Finance/Insur/RE	4	3.1	---	---	---	---	---	---
Services	29	3.0	7	3.0	12	3.4	10	2.6
Public Admin	16	9.6	4	9.8	6	9.2	6	9.8
Not Classified	12	---	---	---	6	---	---	---
Occupation Division								
Exec/Adm/Mgr	19	6.0	6	8.2	7	6.3	6	4.6
Prof/Spec	18	4.8	3	3.3	5	3.7	10	6.6
Tech/Support	27	36.7	4	---	14	52.6	9	31.2
Sales	24	7.4	6	8.0	8	6.7	10	7.8
Clerical	8	2.0	---	---	4	2.6	---	---
Service	13	2.8	4	3.8	5	2.8	4	2.2
Farm/For/Fish	59	28.8	15	32.1	23	33.0	21	23.7
Crafts	83	20.3	30	27.2	24	16.0	29	19.5
Mach Operators	12	14.5	---	---	6	18.2	---	---
Transport	111	54.9	40	87.5	44	51.9	27	37.7
Laborers	35	29.8	9	29.6	14	31.1	12	28.6
Not Classified	13	---	5	---	8	---	---	---

\*Numbers not reported for cells with less than 3 deaths.

†Numbers and rates not reported for some cells with 3 or more deaths to meet confidentiality requirements.

‡Rates not calculated for "unknown" or "not classified" categories.

§Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table WY-5.** Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Industry Groupings, Wyoming, 1983-1995.

DETAILED INDUSTRY	NO. OF DEATHS	RATE	DETAILED INDUSTRY	NO. OF DEATHS	RATE
Ag/For/Fish			Retail Trade		
Ag Production	48	26.2	Food Stores	4	5.2
Ag Services	---	---	Motor Veh/Auto Supply Dealer	8	10.7
Forestry & Fisheries	4	---	Apparel & Accessory Stores	---	---
Mining			Eating & Drinking Places	---	---
Metal/Coal/Nonmetal Mining	15	11.7	Other Retail Trade	11	6.1
Oil and Gas Extraction	54	45.0	Finance/Insur/RE		
Construction	77	32.8	Banking and Other Finance	---	---
Manufacturing			Insurance and Real Estate	4	5.7
Food & Kindred Prod	5	---	Services		
Textile Mill Prod	---	---	Business Services	4	6.1
Apparel & Other Textile Pr	---	---	Automobile and Repair Services	4	6.5
Paper & Allied Products	---	---	Private Household Services	---	---
Printing/Publishing/Allied	---	---	Pers Serv Exc Priv Household	---	---
Chemical/Petroleum/Rubber	7	22.0	Entertainment & Rec Services	3	8.3
Lumber & Wood	12	---	Hospitals	3	3.1
Furniture	---	---	Health Services, Exc Hosp	3	3.7
Stone/Clay/Concrete	---	---	Educational Services	3	1.0
Primary Metals	---	---	Other Professional Services	7	4.1
Fabricated Metals	---	---	Public Admin		
Mach, Ex Elect	---	---	Justice, Pub Order, & Safety	7	14.7
Elect Mach, Equip Supplies	---	---	Admin of Hum Res Programs	---	---
Motor Vehicles Equip	---	---	National Sec/Internal Affairs	---	---
Aircraft & Parts	3	---	Other Pub Admin	8	9.5
Other Transport Equip	---	---	Not Classified	12	---
Prof & Photo Equip/Watches	---	---			
Toys/Amusement/Sporting Goods	---	---			
Misc & NEC Industries	---	---			
Trans/Comm/PU					
Trucking/Warehousing/Storage	60	90.3			
Other Transportation	30	35.0			
Telephone Communications	---	---			
Other Communications	---	---			
Electric Light and Power	4	10.7			
Other Utility/Sanitary Service	---	---			
Wholesale Trade	7	8.6			

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for “unknown” or “not classified” categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

**Table WY-6. Number\* and Average Annual Rate<sup>†‡</sup> (per 100,000 workers) of Traumatic Occupational Fatalities by Detailed Occupation Groupings, Wyoming, 1983-1995.**



DETAILED OCCUPATION	NO. OF DEATHS	RATE
Exec/Adm/Mgr		
Officials & Administrators, Public Admin	---	---
Other Executive, Admin & Managerial	14	6.2
Management Related Occupations	3	4.9
Prof/Spec		
Engineers	6	16.2
Mathematical and Computer Scientists	---	---
Natural Scientists	7	33.0
Health Diagnosing Occupations	---	---
Health Assessment and Treatment Occupations	---	---
Teachers, College and University	---	---
Teachers, Except College and University	---	---
Lawyers and Judges	---	---
Other Professional Specialty Occupations	---	---
Tech/Support		
Health Technologists and Technicians	---	---
Engineering and Science Technicians	11	34.8
Technicians, Exc Health/Engineering/Science	16	---
Sales		
Supervisors and Proprietors, Sales Occupations	10	9.9
Sales Reps, Finance and Business Services	---	---
Sales Reps, Commodities, Except Retail	3	13.6
Sales Workers, Retail & Personal Services	9	5.9
Sales Related Occupations	---	---
Clerical		
Supervisors, Administrative Support	---	---
Computer Equipment Operators	---	---
Secretaries, Stenographers, and Typists	3	2.6
Financial Records Processing	---	---
Mail and Message Distribution	---	---
Other Admin. Support, Including Clerical	3	1.7

DETAILED OCCUPATION	NO. OF DEATHS	RATE
Service		
Private Household Service Occupations	---	---
Protective Service	10	24.4
Food Service	---	---
Health Service	---	---
Cleaning and Building Service	3	2.9
Personal Service	---	---
Farm/For/Fish		
Farm Operators and Managers	38	33.5
Farm Workers and Related Occupations	12	13.8
Forestry and Fishing Occupations	9	---
Crafts		
Mechanics and Repairers	8	5.8
Construction Trades	39	27.2
Other Precision Production, Craft, and Repair	36	28.2
Mach Operators		
Machine Operators/Tenders, Except Precision	5	11.0
Fabricators, Assemblers, Inspectors, Samplers	7	18.7
Transport		
Motor Vehicle Operators	80	73.9
Other Transport and Material Moving Occ	31	33.1
Laborers		
Construction Laborers	22	84.5
Freight, Stock, & Materials Handlers	---	---
Other Handlers, Equip. Cleaner, Helper, Laborer	12	21.6
Other or Not Classified	13	---

\*Numbers not reported for cells with less than 3 deaths.

†Rates not calculated for "unknown" or "not classified" categories.

‡Rates not calculated for categories with less than 3 deaths or less than 20,000 employed.

# Appendix I

## Abbreviations for Bureau of Census (BOC) Industry and Occupation Divisions

<b>Industry Abbreviation</b>	<b>Description (BOC)</b>
Ag/For/Fish	Agriculture/Forestry/Fisheries
Mining	Mining (includes oil and gas extraction)
Construction	Construction
Manufacturing	Manufacturing
Trans/Comm/PU	Transportation/Communications/Public Utilities
Wholesale Trade	Wholesale Trade
Retail Trade	Retail Trade
Finance/Insur/RE	Finance/Insurance/Real Estate
Services	Services
Public Admin	Public Administration

<b>Occupation Abbreviation</b>	<b>Description (BOC)</b>
Exec/Adm/Mgr	Executives/Administrators/Managers
Prof/Spec	Professional Specialties
Tech/Support	Technicians/Related Support
Sales	Sales
Clerical	Clerical
Service	Service
Farm/For/Fish	Farming/Forestry/Fishing
Crafts	Precision Production/Craft/Repair
Mach Operators	Machine Operators/Assemblers/Inspectors
Transport	Transportation/Material Movers
Laborers	Handlers/Equipment Cleaners/Helpers/Laborers



## Appendix II

### Detailed Bureau of the Census (BOC) Industry Groupings\*

BOC Industry Codes <sup>†</sup>	Industry Description
010-011	Ag Production
012-030 (020-021)	Ag Services
031-032 (030-031)	Forestry & Fisheries
042	Oil and Gas Extraction
040-041, 050	Metal/Coal/Nonmetal Mining
060	Construction
100-122	Food & Kindred Prod MFG
132-150	Textile Mill Prod MFG
151-152	Apparel & Other Textile Pr MFG
160-162	Paper & Allied Products MFG
171-172	Printing/Publishing/Allied MFG
180-192, 200-201, 210-212	Chemical/Petroleum/Rubber MFG
230-241	Lumber & Wood MFG
242	Furniture MFG
250-262	Stone/Clay/Concrete MFG
270-280	Primary Metals MFG
281-300	Fabricated Metals MFG
301	NS Metal Ind
310-332	Mach, Ex Elect MFG
340-350	Elect Mach, Equip Supplies MFG
351	Motor Vehicles Equip
352	Aircraft & Parts MFG
360-370	Other Transport Equip MFG
371-381	Prof & Photo Equip/Watches MFG
390	Toys/Amusement/Sporting Goods
130, 220-222, 391-392	Misc & NEC MFG Industries
410-411	Trucking/Warehousing/Storage
400-402, 412-432	Other Transportation
441	Telephone Communications
440, 442	Other Communications
450 (460)	Electric Light and Power
451-472 (461-472)	Other Utility/Sanitary Service
500-571	Wholesale Trade
601-611	Food Stores
612-622	Motor Veh/Auto Supply Dealer
623-630 (630-631)	Apparel & Accessory Stores
641	Eating & Drinking Places

## Detailed Bureau of the Census (BOC) Industry Groupings (cont'd)\*

<b>BOC Industry Codes†</b>	<b>Industry Description</b>
580-600, 631-640, 642-691 (580-600, 632-640, 642-691)	Other Retail Trade
700-710	Banking and Other Finance
711-712	Insurance and Real Estate
761	Private Household Services
721-741 (721-742)	Business Services
742-760 (750-760)	Automobile and Repair Services
762-791	Pers Serv Exc Priv Household
800-810 (800-802)	Entertainment & Rec Services
831	Hospitals
812-830, 832-840	Health Services, Exc Hosp
842-860	Educational Services
841, 861-893 (861-892)	Other Professional Services
910	Justice, Pub Order, & Safety
922	Admin of Hum Res Programs
932	National Sec/Internal Affairs
900-901, 921, 930-931	Other Pub Admin

\*1980 and 1990 Bureau of the Census Alphabetical Index.

†Code groupings were, for the most part, identical for the 1980 and 1990 BOC industry codes. Where differences do occur, the 1980 code groupings are provided in parentheses.

## Appendix III

### Detailed Bureau of the Census (BOC) Occupation Groupings\*

BOC Occupation Codes <sup>†</sup>	Occupation Description
003-006	Officials & Administrators, Public Admin
007-022 (007-019)	Other Executive, Admin & Managerial
023-037	Management Related Occupations
043-063	Engineers
064-068	Mathematical and Computer Scientists
069-083	Natural Scientists
084-089	Health Diagnosing Occupations
095-106	Health Assessment and Treatment Occupations
113-154	Teachers, College and University
155-159	Teachers, Except College and University
178-179	Lawyers and Judges
163-177, 183-199	Other Professional Specialty Occupations
203-208	Health Technologists and Technicians
213-225	Engineering and Science Technicians
226-235	Technicians, Exc Health/Engineering/Science
243	Supervisors and Proprietors, Sales Occ
253-257	Sales Reps, Finance and Business Services
258-259	Sales Reps, Commodities, Except Retail
263-278	Sales Workers, Retail & Personal Services
283-285	Sales Related Occupations
303-307	Supervisors, Administrative Support
308-309	Computer Equipment Operators
313-315	Secretaries, Stenographers, and Typists
337-344	Financial Records Processing
354-357	Mail and Message Distribution
316-336, 345-353, 359-389	Other Admin. Support, Including Clerical
403-407	Private Household Service Occupations
413-427	Protective Service
433-444	Food Service
445-447	Health Service
448-455	Cleaning and Building Service
456-469	Personal Service
473-476	Farm Operators and Managers
477-489	Farm Workers and Related Occupations
494-499	Forestry and Fishing Occupations
503-549	Mechanics and Repairers
553-599	Construction Trades
613-699	Other Precision Production, Craft, and Repair

## Detailed Bureau of the Census (BOC) Occupation Groupings (cont'd)\*

<b>BOC Occupation Codes<sup>†</sup></b>	<b>Occupation Description</b>
703-779	Machine Operators/Tenders, Except Precision
783-799	Fabricators, Assemblers, Inspectors, Samplers
803-814	Motor Vehicle Operators
823-859	Other Transport and Material Moving Occ
869	Construction Laborers
875-883	Freight, Stock, & Materials Handlers
864-868, 874, 885-889 (863-867, 873, 885-889)	Other Handlers, Equip. Cleaner, Helper, Laborer

\*1980 and 1990 Bureau of the Census Alphabetical Index.

<sup>†</sup>Code groupings were, for the most part, identical for the 1980 and 1990 BOC occupation codes. Where differences do occur, the 1980 code groupings are provided in parentheses.

## Appendix IV

### ICD-9\* E-code Rubrics for Cause of Death Categories

Category	ICD-9 Rubric
Rail Transport	E800-E807
Motor Vehicle	E810-E829, E846-E849
Water Transport	E830-E838
Air Transport	E840-E845
Poisoning	E850-E858, E860-E869
Falls	E880-E888
Fires	E890-E899
Nature/Environment	E900-E909, E928
Drowning	E910
Suffocation	E911-E913
Struck By Falling Object	E916
Flying Object/Caught In Machine	E917, E918 E919
Explosion	E921, E923
Electrocution	E925
Suicide	E950-E959
Homicide	E960-E969
Other	E870-E879, E914, E915, E920, E922, E924, E926, E927, E929, E930-E949, E970-E978, E990-E999
Unknown/Undetermined	E980-E989, Blank

\*International Classification of Diseases, Ninth Revision.



---

## **Appendix V**

### **Operational Guidelines for Determination of Injury at Work**



## Operational Guidelines For Determination Of Injury At Work

1. Complete the injury at work item if any other than natural cause of death is mentioned in Part I or Part II of the medical certification, including homicides, suicides, and accidents, including motor vehicle deaths.
2. The injury at work item must be completed for decedents ages 14 or over and may be completed for those less than 14 years of age if warranted. Consider possibility of work injury regardless of whether injury occurred in the course of work in “usual” or other occupation and/or industry. If decedent’s “usual” occupation is housewife, student, or retired consider possible injury during other employment. If occupation is transportation-related, suspect injury at work and evaluate per criteria.
3. Consider available information with regard to location and activity at time of injury. If location is farm, suspect work-related and evaluate per criteria.

CRITERIA	INJURY AT WORK	
<i><b>On Employer Premises</b></i>	Yes	No
• Engaged in work activity, apprentice, vocational training	✓	
• On break, in hallways, rest room, cafeteria, storage area	✓	
• In employer parking lots while working, arriving, or leaving	✓	
• Engaged in recreational activities on employer controlled facilities (games, etc.) for personal enjoyment		✓
• As a visitor for non-work purposes, not on official business		✓
<i><b>Off Employer Premises</b></i>		
• Working for pay or compensation, including at home	✓	
• Working as a volunteer EMS, firefighter, or law enforcement officer	✓	
• Working in a family business, including family farm. Activity should be clearly related to a profit-oriented business.	✓	
• Traveling on business, including to and from customer/business contacts	✓	
• Engaged in work activity where vehicle is considered the work environment (e.g., taxi driver, truck driver, etc.)	✓	
• Homemaker working at homemaking activities		✓
• Working for self—non profit, i.e., mowing lawn, repairing own roof, hobby, or recreation activities		✓
• Student engaged in school activities		✓
• Operating vehicle (personal or commercial) for non-work purposes		✓
• Commuting to or from work site		✓

These guidelines were developed jointly by: The Association for Vital Records and Health Statistics (AVRHS), the National Institute for Occupational Safety and Health (NIOSH), the National Center for Health Statistics, (NCHS), and the National Center for Environmental Health and Injury Control (NCEHIC).

PUBLISHED AND DISTRIBUTED BY AVRHS

March 30, 1992

For questions contact your State Vital Statistics Office



## Appendix VI

### Additional Readings

Bell CA [1991]. Female homicides in United States workplaces, 1980-1985. *Am J Public Health* 81(6):729-732.

Biddle EA, Hartley D [2000]. Fire- and flame-related occupational fatalities in the United States, 1980-1994. *J Occup Environ Med* 42(4):430-437.

Bobick TG, Jenkins EL [1992]. Agricultural-related fatalities: 1986-1988. *Advances in Industrial Ergonomics and Safety IV*. Edited by S. Kumar, Taylor & Francis (book chapter).

Braddee RW, Myers JR [1997]. Logging-type fatalities in the U.S. production agriculture industry, 1980-1992. *J of Agromedicine* 4(3/4):373-375.

Braddee RW, Pratt SG, Hause, M [1997]. Preventing falls from elevations. *Welding Journal Special Report, Staying Safe on the Job* 23-25.

Castillo DN, Landen DL, Layne LA [1994]. Occupational injury deaths of 16- and 17-year olds in the United States. *Am J Public Health* 84:646-649.

Castillo DN, Jenkins EL [1994]. Industries and occupations at high risk for work-related homicide. *J Occup Med* 36:125-132.

Castillo DN, Malit BD [1997]. Occupational injury deaths of 16- and 17-year olds in the United States: Trends and comparisons to older workers. *Inj Prev* 3:277-281.

CDC [1994]. Occupational injury deaths of postal workers—United States, 1980-1989. *MMWR* 43:587-595.

CDC [1996]. Skid-steer loader-related fatalities in the workplace—United States, 1992-1995. *MMWR* 45(29):624-628.

CDC [1998]. Fatal occupational injuries—United States, 1980-1994. *MMWR* 47(15):297-302.

CDC [1999]. Achievements in public health, improvements in workplace safety—United States, 1900-1999. *MMWR* 48(22):461-469.

Chen G-X, Fosbroke DE [1998]. Work-related fatal-injury risk of construction workers by occupation and cause of death. *Human and Ecological Risk Assessment* 4(6):1371-1390.

Collins JW, Landen DD, Kisner SM, Johnston JJ, Chin SF, Kennedy RD [1999]. Fatal occupational injuries associated with forklifts, United States, 1980-1994. *Am J Ind Med* 36:504-512.

Etherton JR, Myers JR, Jensen RC, Russell JC, Braddee RW [1991]. Agricultural machine-related deaths. *Am J Public Health* 81(6):766-768.

Fosbroke DE, Kisner SM, Myers Jr [1997]. Working lifetime risk of occupational fatal injury. *Am J Ind Med* 31:459-467.

Goodman RA, Jenkins EL, Mercy JA [1994]. Work-related homicide among health care workers in the United States, 1980 through 1990. *JAMA* 272(21):1686-1688.

Hard DL, Myers JR, Snyder KA, Casini VJ, Cianfrocco R, Fields J, Morton L [1999]. Young workers at risk when working in agricultural production. *Am J Ind Med, Supplement* 1:31-33.

Hard DL, Myers JR, Snyder KA, Casini VJ, Morton LL, Cianfrocco R, Fields J [1999]. Identifying work-related fatalities in the agricultural production sector using two national occupational fatality surveillance systems, 1990-1995. *J Ag Safety and Health* 5(2):155-169.

Hodous TK, Layne LA [1993]. Injuries in the mining industry. In: *Occupational Medicine, State of the Art Reviews*. *Occ Med* 8(1):171-184.

Jenkins EL, Hard DL [1992]. Implications for the use of e-codes of the international classification of diseases and narrative data in identifying tractor-related deaths in agriculture, United States, 1980-1986. *Scand J Work Environ Health* 18 Suppl 2:49-50.

Jenkins EL, Layne LA, Kisner SM [1992]. Homicide in the workplace: The U.S. experience, 1980-1988. *AAOHN J* 40(5):215-218.

Jenkins EL [1996]. Homicide against women in the workplace. *J Am Med Womens Assoc* 51(3):118-122.

Jenkins EL [1996]. Workplace homicide: Industries and occupations at high risk. In: *Occupational Medicine, State of the Art Reviews*. *Occ Med* 11(2):219-224.

Kisner SM, Fosbroke DE [1994]. Injury hazards in the construction industry. *J Occup Med* 36(2):137-143.

Kisner SM, Pratt SG [1997]. Occupational fatalities among older workers in the United States: 1980-1991. *J Occup Environ Med* 39(8):715-721.

Kisner SM, Pratt SG [1999]. Occupational injury fatalities among older workers in the United States, 1980-1994. *Am J Ind Med Supplement* 1:24-25.

Moore PH, Pratt SG [1997]. Skid-steer loading machine-related deaths and prevention strategies. Presented and published in the proceedings of the 1997 Summer Conference, National Institute for Farm Safety, Inc., Indianapolis, IN, June 22-26, 1997. NIFS Technical Paper 97-8.

Myers JR [1990]. National surveillance of occupational fatalities in agriculture. *Am J Ind Med* 18:163-168.

- Myers JR, Fosbroke DE [1994]. Logging fatalities in the United States by region, cause of death, and other factors—1980 through 1988. *J Safety Res* 25(2):97-105.
- Myers JR, Hard DL [1995]. Work-related fatalities in the agricultural production and services sectors, 1980-1989. *Am J Ind Med* 27:51-63.
- Myers JR, Hard DL, Snyder KA, Casini VC, Cianfrocco R, Fields J, Morton L [1998]. Statistics and epidemiology of tractor fatalities—A historical perspective. *J Ag Safety and Health* 4(2):95-108.
- Myers JR, Hard DL, Snyder KA, Casini VJ, Cianfrocco R, Fields J, Morton L [1999]. Risks of fatal injuries to farm workers 55-years of age and older. *Am J Ind Med, Supplement* 1:29-30.
- NIOSH [1989]. National traumatic occupational fatalities: 1980-1985. DHHS (NIOSH) Pub. No. 89-116.
- NIOSH [1993]. NIOSH Alert: Preventing homicides in the workplace. DHHS (NIOSH) Pub. No.93-109.
- NIOSH [1994]. Worker deaths in confined spaces: A summary of NIOSH surveillance and investigative findings. DHHS (NIOSH) Pub. No. 94-103.
- NIOSH [1995]. NIOSH Alert: Request for assistance in preventing injuries and deaths of adolescent workers. DHHS (NIOSH) Pub. No. 95-125.
- NIOSH [1996]. NIOSH Current Intelligence Bulletin: Violence in the workplace risk factors and prevention strategies. DHHS (NIOSH) Pub. No. 96-100.
- NIOSH [1998]. NIOSH Alert: Preventing worker injuries and deaths from traffic-related motor vehicle crashes. DHHS (NIOSH) Pub. No. 98-142.
- NIOSH [1998]. Worker deaths by electrocution: A summary of surveillance findings and investigative reports. DHHS (NIOSH) Pub. No. 98-131.
- NIOSH [2000]. Worker deaths by falls: A summary of surveillance findings and investigative case reports. DHHS (NIOSH) Pub. No. 2000-116.
- Ore T, Casini V [1996]. Electrical fatalities among U.S. construction workers. *J Occup Environ Med* 38(6):587-592.
- Ore T, Stout NA [1996]. Traumatic occupational fatalities in the U.S. and Australian construction industries. *Am J Ind Med* 30:202-206.
- Ore T, Fosbroke DE [1997]. Motor vehicle fatalities in the United States construction industry. *Acc Anal Prev* 29(5):613-626.
- Ore T, Stout NA [1997]. Risk differences in fatal occupational injuries among construction laborers in the United States, 1980-1992. *J Occup Environ Med* 39(9):832-843.

Pratt SG, Kisner SM, Helmkamp JC [1996]. Machinery-related occupational fatalities in the United States, 1980 to 1989. *J Occup Environ Med* 38(1):70-76.

Pratt SG, Kisner SM, Moore PH [1997]. Machinery-related fatalities in the construction industry. *Am J Ind Med* 32:42-50.

Robinson CF, Halperin WE, Alterman T, Braddee RW, et al [1995]. Mortality patterns among construction workers in the United States. In: *Occupational Medicine, State of the Art Reviews*. *Occ Med* 10(2):269-283.

Schnitzer PG, Landen DD, Russell JC [1993]. Occupational injury deaths in Alaska's fishing industry, 1980. *Am J Public Health* 83(5):685-688.

Snyder KA, Bobick TG, Hanz JL, Myers JR [1992]. Grain-handling fatalities in production agriculture, 1985-1989. In: *American Society of Agricultural Engineers 1992 International Winter Meeting*, December 15-18, 1992, Nashville, TN. Paper No. 92-5509.

Sorock GS, Smith GS, Reeve GR, Dement J, Stout N, Layne L, Pastula ST [1997]. Three perspectives on work-related injury surveillance systems. *Am J Ind Med* 32:116-128.

Stout NA, Jenkins EL, Pizatella TJ [1996]. Occupational injury mortality rates in the United States: Changes from 1980-1989. *Am J Public Health* 86(1):73-77.

Sugarman JR, Stout N, Layne LA [1993]. Traumatic occupational fatalities among American Indians and Alaska Natives, 1980-1988. *J Occup Med* 35:1111-1122.

Suruda A, Smith L [1993]. Work-related electrocutions involving portable power tools and appliances. *J Occup Med* 34(9):887-892.

Suruda A, Fosbroke D, Braddee R [1995]. Fatal work-related falls from roof. *J Safety Res* 26(1):1-8.