

## 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/<br>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 | DETAILED OCCUPATION                             | NO. OF DEATHS | RATE  |
|--|---------------|------|---|---------------|-------|
| Exec/Adm/Mgr                                   |               |      | Service   |               |       |
| Officials & Administrators, Public Admin       | 11            | 1.6  | Private Household Service Occupations           | 17            | 1.0   |
| Other Executive, Admin & Managerial            | 519           | 3.0  | Protective Service                              | 381           | 12.8  |
| Management Related Occupations                 | 71            | 1.1  | Food Service                                    | 100           | 1.3   |
| Prof/Spec                                      |               |      | Health Service                                  | 10            | 0.5   |
| Engineers                                      | 122           | 3.1  | Cleaning and Building Service                   | 161           | 4.1   |
| Mathematical and Computer Scientists           | 14            | 1.0  | Personal Service                                | 59            | 1.7   |
| Natural Scientists                             | 24            | 3.4  | Farm/For/Fish                                   |               |       |
| Health Diagnosing Occupations                  | 43            | 3.2  | Farm Operators and Managers                     | 135           | 16.5  |
| Health Assessment and Treatment Occupations    | 27            | 0.9  | Farm Workers and Related Occupations            | 471           | 10.2  |
| Teachers, College and University               | 10            | 1.1  | Forestry and Fishing Occupations                | 144           | 122.7 |
| Teachers, Except College and University        | 46            | 0.9  | Crafts  |               |       |
| Lawyers and Judges                             | 25            | 1.9  | Mechanics and Repairers                         | 408           | 6.8   |
| Other Professional Specialty Occupations       | 123           | 1.9  | Construction Trades                             | 722           | 10.2  |
| Tech/Support                                   |               |      | Other Precision Production, Craft, and Repair   | 290           | 4.8   |
| Health Technologists and Technicians           | 11            | 0.7  | Mach Operators                                  |               |       |
| Engineering and Science Technicians            | 66            | 3.7  | Machine Operators/Tenders, Except Precision     | 187           | 2.9   |
| Technicians, Exc Health/Engineering/Science    | 163           | 8.2  | Fabricators, Assemblers, Inspectors, Samplers   | 113           | 3.1   |
| Sales  |               |      | Transport                                       |               |       |
| Supervisors and Proprietors, Sales Occupations | 376           | 6.9  | Motor Vehicle Operators                         | 1044          | 22.0  |
| Sales Reps, Finance and Business Services      | 71            | 1.8  | Other Transport and Material Moving Occ         | 242           | 19.6  |
| Sales Reps, Commodities, Except Retail         | 31            | 1.3  | Laborers  |               |       |
| Sales Workers, Retail & Personal Services      | 202           | 2.3  | Construction Laborers                           | 263           | 23.9  |
| Sales Related Occupations                      | ---           | ---  | Freight, Stock, & Materials Handlers            | 108           | 5.2   |
| Clerical                                       |               |      | Other Handlers, Equip. Cleaner, Helper, Laborer | 224           | 7.6   |
| Supervisors, Administrative Support            | 13            | 1.1  | Other or Not Classified                         | 263           | ---   |
| 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  |   |               |       |

\*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.