

Table 10. Incidence rates¹ and numbers of nonfatal occupational injuries by industry, 2002

California

Industry ²	SIC code ³	Incidence rates	Numbers (thousands)	Percent relative standard error	
				Incidence rates	Numbers
All Industries including					
State and local government⁴		5.5	639.9	2.2	2.0
Private Industry⁴		5.2	518.2	2.3	1.9
Agriculture, forestry, and fishing⁴		4.9	20.4	9.2	8.9
Agricultural production ⁴	01-02	4.8	8.5	9.8	8.2
Agricultural production-crops ⁴	01	4.4	6.9	11.1	9.7
Agricultural production - livestock ⁴	02	7.7	1.6	11.8	12.5
Agricultural services	07	4.9	11.6	14.4	14.5
Mining⁵		5.6	1.3	26.7	23.6
Oil and gas extraction	13	6.1	0.9	39.6	33.6
Nonmetallic minerals mining ⁶	14	4.6	0.4	(¹⁰)	(¹⁰)
Construction		7.4	48.2	5.1	4.7
General building contractors	15	5.8	8.4	13.6	13.2
Residential building construction	152	6.4	5.8	18.4	17.5
Nonresidential building construction	154	5.2	2.5	14.0	14.3
Highway and street construction	161	6.2	1.4	15.1	15.2
Special trade contractors	17	8.2	36.4	5.2	5.3
Plumbing, heating, air-conditioning	171	9.4	7.4	9.9	9.5
Painting and paper hanging	172	5.1	1.5	13.8	14.2
Electrical work	173	6.6	5.0	14.5	14.9
Masonry, stonework, and plastering	174	8.6	6.4	13.1	13.7
Carpentry and floor work	175	9.0	5.1	13.1	13.2
Roofing, siding, and sheet metal work	176	12.2	2.7	19.7	19.3
Concrete work	177	6.6	2.7	13.0	12.5
Miscellaneous special trade contractors	179	8.1	5.4	14.7	14.9
Manufacturing		5.2	86.1	4.1	3.2
Durable goods		5.0	51.7	5.3	4.2
Lumber and wood products	24	11.0	6.1	15.2	15.1
Sawmills and planing mills	242	16.4	1.6	25.8	26.7
Sawmills and planing mills, general	2421	17.9	1.5	24.8	27.5
Millwork, plywood and structural members	243	10.2	2.8	26.2	28.1
Millwork	2431	6.9	0.7	21.6	31.8
Wood kitchen cabinets	2434	--	--	--	--
Miscellaneous wood products	249	8.8	0.6	30.5	29.3
Furniture and fixtures	25	7.9	4.0	9.6	9.2
Household furniture	251	8.2	2.4	11.8	11.3
Wood household furniture	2511	9.0	1.1	10.9	9.8
Upholstered household furniture	2512	7.8	0.6	25.0	24.1
Office furniture	252	8.1	0.5	27.1	24.9
Partitions and fixtures	254	7.7	0.6	30.5	28.4
Stone, clay, and glass products	32	7.5	3.7	9.6	10.2
Concrete, gypsum, and plaster products	327	9.2	2.2	13.3	13.8

See footnotes at end of table.

Table 10. Incidence rates¹ and numbers of nonfatal occupational injuries by industry, 2002 -- Continued

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Industry ²	SIC code ³	Incidence rates	Numbers (thousands)	Percent relative standard error	
				Incidence rates	Numbers
Primary metal industries	33	7.7	2.4	13.0	11.4
Blast furnace and basic steel products	331	6.2	0.4	30.5	28.6
Nonferrous foundries (castings)	336	9.4	0.5	34.2	34.4
Fabricated metal products	34	7.8	8.7	7.3	7.0
Cutlery, handtools, and hardware	342	5.9	0.5	45.9	44.8
Hardware, n.e.c.	3429	4.7	0.2	29.6	28.9
Plumbing and heating, except electric	343	6.8	0.4	36.2	34.5
Fabricated structural metal products	344	9.3	3.6	8.9	9.4
Sheet metal work	3444	7.9	0.9	20.4	20.5
Bolts, nuts, rivets, and washers	3452	6.1	0.5	15.9	21.9
Metal forgings and stampings	346	7.9	0.7	14.8	21.1
Metal stampings, n.e.c.	3469	10.1	0.5	29.5	28.5
Metal services, n.e.c.	347	5.7	1.0	12.3	12.8
Plating and polishing	3471	6.4	0.8	15.0	15.1
Metal coating and allied services	3479	4.2	0.2	23.0	23.4
Miscellaneous fabricated metal products	349	9.6	1.5	15.1	15.2
Industrial machinery and equipment	35	3.5	6.6	17.9	15.2
Construction and related machinery	353	9.5	0.6	8.5	22.1
Metalworking machinery	354	3.1	0.5	52.4	52.7
Special dies, tools, jigs and fixtures	3544	3.6	0.3	90.0	89.8
Special industry machinery	355	1.6	0.3	79.2	77.6
General industrial machinery	356	8.7	1.2	17.5	17.0
Electronic computers	3571	1.2	0.7	23.2	23.6
Refrigeration and service machinery	358	7.8	0.8	16.6	20.4
Industrial machinery, n.e.c.	359	4.6	1.6	29.5	20.7
Industrial machinery, n.e.c.	3599	5.2	1.6	10.7	10.4
Electronic and other electric equipment	36	2.3	4.9	23.9	21.6
Electric lighting and wiring equipment	364	--	--	--	--
Current-carrying wiring devices	3643	--	--	--	--
Household audio and video equipment	365	2.7	0.4	46.3	45.5
Household audio and video equipment	3651	2.7	0.3	34.8	32.5
Radio and TV communications equipment	3663	0.9	0.2	45.9	48.2
Electronic components and accessories	367	1.9	2.3	17.0	17.0
Printed circuit boards	3672	2.5	0.5	18.8	19.0
Semiconductors and related devices	3674	1.5	1.0	18.5	18.5
Electronic components, n.e.c.	3679	2.2	0.5	24.2	24.1
Transportation equipment	37	6.7	9.4	2.9	5.2
Motor vehicles and equipment	371	10.0	3.3	7.4	7.9
Motor vehicle parts and accessories	3714	7.0	1.3	13.5	13.9
Aircraft and parts	372	5.2	3.5	1.5	11.0
Aircraft parts and equipment, n.e.c.	3728	5.6	1.5	10.2	10.6
Ship and boat building and repairing	373	16.1	1.7	(⁹)	1.1
Ship building and repairing	3731	17.9	1.3	2.3	1.5
Guided missiles, space vehicles, parts	376	1.2	0.2	19.8	20.4
Instruments and related products	38	2.4	3.8	24.1	20.8
Measuring and controlling devices	382	--	--	--	--
Process control instruments	3823	2.0	0.2	96.3	96.6
Analytical instruments	3826	1.9	0.2	88.8	87.8
Medical instruments and supplies	384	--	--	--	--
Surgical appliances and supplies	3842	5.1	0.6	49.7	52.6
Miscellaneous manufacturing industries	39	5.3	2.0	15.8	15.6
Toys and sporting goods	394	4.6	0.6	26.1	26.3

See footnotes at end of table.

Table 10. Incidence rates¹ and numbers of nonfatal occupational injuries by industry, 2002 -- Continued

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Sporting and athletic goods, n.e.c.	3949	6.1	0.6	25.8	26.2
Miscellaneous manufactures	399	6.0	0.8	21.6	21.3
Nondurable goods		5.5	34.4	6.5	4.8
Food and kindred products	20	10.1	18.5	5.6	5.6
Meat products	201	9.7	1.8	14.8	15.0
Poultry slaughtering and processing	2015	8.8	0.8	12.3	11.5
Dairy products	202	7.8	1.4	20.6	21.5
Fluid milk	2026	6.0	0.6	13.2	15.3
Preserved fruits and vegetables	203	10.2	4.3	10.6	10.6
Dehydrated fruits, vegetables, soups	2034	6.1	0.4	35.5	41.0
Grain mill products	204	9.8	0.9	22.4	24.7
Bakery products	205	7.4	1.6	10.4	12.1
Bread, cake, and related products	2051	7.4	1.3	8.2	9.4
Beverages	208	11.2	4.1	5.9	8.0
Wines, brandy, and brandy spirits	2084	8.2	1.8	16.7	16.5
Bottled and canned soft drinks	2086	17.4	2.0	9.5	7.5
Miscellaneous food and kindred products	209	11.5	2.6	24.0	24.8
Food preparations, n.e.c.	2099	--	--	--	--
Textile mill products	22	3.9	0.9	9.8	9.9
Apparel and other textile products	23	2.2	2.3	24.5	18.6
Women's and misses' outerwear, n.e.c.	2339	1.1	0.6	17.5	16.6
Miscellaneous fabricated textile products	239	6.0	1.4	21.5	19.8
Paper and allied products	26	4.3	1.6	21.2	24.6
Paperboard containers and boxes	265	--	--	--	--
Corrugated and solid fiber boxes	2653	--	--	--	--
Miscellaneous converted paper products	267	3.8	0.5	23.7	23.5
Printing and publishing	27	3.1	3.6	12.6	10.5
Newspapers	271	4.2	1.4	11.4	12.7
Commercial printing	275	3.0	1.4	16.1	15.3
Commercial printing, lithographic	2752	3.5	1.0	12.7	12.8
Chemicals and allied products	28	3.0	2.4	20.1	19.3
Drugs	283	--	--	--	--
Pharmaceutical preparations	2834	2.0	0.5	26.8	26.0
Soap, cleaners, and toilet goods	284	4.9	0.6	30.2	30.5
Rubber and miscellaneous plastics products	30	7.6	4.9	10.5	10.6
Fabricated rubber products, n.e.c.	306	8.3	0.5	20.0	17.9
Miscellaneous plastics products, n.e.c.	308	7.6	4.1	11.9	11.9
Plastics products, n.e.c.	3089	7.8	2.2	19.7	19.9
Transportation and public utilities⁷		7.2	45.9	16.0	9.1
Railroad transportation ⁷	40	3.8	0.5	(¹⁰)	(¹⁰)
Local and interurban passenger transit	41	8.8	3.5	16.9	16.8
Trucking and warehousing	42	6.4	9.9	11.1	10.7
Trucking and courier services, except air	421	6.5	8.1	13.1	12.6
Water transportation services	449	7.3	1.3	9.1	10.5
Transportation by air	45	16.2	16.9	13.8	13.9
Transportation services	47	3.0	1.5	18.3	18.6
Communications	48	4.0	7.0	12.5	13.2
Electric, gas, and sanitary services	49	7.0	5.3	7.8	8.0

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Table 10. Incidence rates¹ and numbers of nonfatal occupational injuries by industry, 2002 -- Continued

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Industry ²	SIC code ³	Incidence rates	Numbers (thousands)	Percent relative standard error	
				Incidence rates	Numbers
Sanitary services	495	10.4	2.4	10.3	11.1
Wholesale and retail trade		5.4	142.0	3.4	3.5
Wholesale trade		5.3	39.3	7.3	7.5
Wholesale trade--durable goods	50	5.8	25.1	10.4	10.7
Wholesale trade--nondurable goods	51	4.7	14.2	8.2	8.6
Groceries and related products	514	5.8	6.6	12.4	13.7
Retail trade		5.4	102.7	3.8	3.9
Building materials and garden supplies	52	7.3	7.0	15.2	15.7
General merchandise stores	53	9.8	18.0	5.3	6.2
Food stores	54	7.9	20.9	7.9	8.5
Automotive dealers and service stations	55	5.0	11.7	11.4	11.4
Apparel and accessory stores	56	3.6	4.0	8.1	8.0
Furniture and homefurnishings stores	57	4.1	5.1	10.8	10.7
Eating and drinking places	58	3.5	22.8	11.5	11.5
Miscellaneous retail	59	5.4	13.1	8.0	8.3
Finance, insurance, and real estate		2.6	20.1	7.4	7.4
Depository institutions	60	2.7	4.7	9.0	9.1
Real estate	65	3.1	5.8	11.3	11.2
Services		4.8	154.1	4.3	4.0
Hotels and other lodging places	70	7.6	11.0	11.0	11.5
Personal services	72	4.2	4.6	11.7	13.7
Business services	73	4.1	26.5	17.0	19.0
Auto repair, services, and parking	75	4.0	6.2	12.3	12.1
Miscellaneous repair services	76	5.2	1.9	9.6	9.5
Motion pictures	78	2.7	3.3	15.6	15.8
Amusement and recreation services	79	5.6	8.3	9.3	8.4
Health services	80	8.1	62.6	6.0	4.3
Nursing and personal care facilities	805	9.8	10.7	9.5	9.1
Hospitals	806	12.8	34.1	8.7	6.6
Educational services	82	2.9	4.4	11.3	11.5
Social services	83	4.7	11.6	8.7	9.1
Engineering and management services	87	1.8	8.1	10.1	10.1
State and local government		7.4	121.8	6.7	6.4
State government		--	--	--	--
Services		--	--	--	--
Health services	80	15.6	6.2	18.2	18.3
Educational services	82	3.5	4.3	5.9	8.8

See footnotes at end of table.

Table 10. Incidence rates¹ and numbers of nonfatal occupational injuries by industry, 2002 -- Continued

California

Industry ²	SIC code ³	Incidence rates	Numbers (thousands)	Percent relative standard error	
				Incidence rates	Numbers
Local government		7.8	99.4	7.4	7.6
Transportation and public utilities		9.8	8.5	8.0	8.0
Electric, gas, and sanitary services	49	8.2	3.7	13.9	13.5
Water supply	494	7.7	1.2	13.3	12.7
Services		7.3	54.9	10.9	11.4
Amusement and recreation services	79	14.0	4.2	13.6	21.5
Health services	80	8.0	5.3	2.2	1.4
Educational services	82	7.0	43.9	12.9	13.9
Elementary and secondary schools	821	7.5	41.0	13.5	14.8
Public administration		7.9	33.0	12.1	12.2
Executive, legislative, and general	91	9.4	12.3	20.5	21.1
Justice, public order, and safety	92	9.1	15.5	20.3	19.7
Police protection	9221	8.2	1.8	(⁹)	2.1
Fire protection	9224	17.7	2.5	17.0	15.5
Administration of human resources	94	4.6	3.2	7.5	9.2

¹ Incidence rates represent the number of injuries per 100 full-time workers and were calculated as: (N/EH) x 200,000 where

- N = number of injuries
- EH = total hours worked by all employees during the calendar year
- 200,000 = base for 100 equivalent full-time workers (working 40 hours per week, 50 weeks per year).

² Totals include data for industries not shown separately.

³ *Standard Industrial Classification Manual*, 1987 Edition.

⁴ Excludes farms with fewer than 11 employees.

⁵ Data for Mining (Division B in the Standard Industrial Classification Manual, 1987 edition) include establishments not governed by the Mine Safety and Health Administration (MSHA) rules and reporting, such as those in Oil and Gas Extraction. Data for mining operators in coal, metal, and nonmetal mining are provided to BLS by the Mine Safety and Health Administration, U.S. Department of Labor. Independent mining contractors are excluded from the coal, metal, and nonmetal mining industries. These data do not reflect the changes OSHA made to its recordkeeping requirements effective January 1, 2002; therefore estimates for these industries are not comparable with estimates for other industries.

⁶ Data for mining operators in this industry are provided to BLS by the Mine Safety and Health Administration, U.S. Department of Labor. Independent mining contractors are excluded. These data do not reflect the changes OSHA made to its recordkeeping requirements effective January 1, 2002; therefore estimates for these industries are not comparable with estimates for other industries.

⁷ Data for employers in railroad transportation are provided to BLS by the Federal Railroad Administration, U.S. Department of Transportation. These data do not reflect the changes OSHA made to its recordkeeping requirements effective January 1, 2002; therefore estimates for these industries are not comparable with estimates for other industries.

⁸ Fewer than 50 cases.

⁹ Percent relative standard error less than 0.5.

¹⁰ Relative standard errors were not calculated for coal and lignite mining (SIC12), metal and nonmetal mining (SIC 10 and SIC 14), and railroads (SIC 40).

NOTE: -- Indicates data not available. n.e.c. = not elsewhere classified.

SOURCE: Bureau of Labor Statistics, U.S. Department of Labor, Survey of Occupational Injuries and Illnesses, in cooperation with participating State agencies.