

Table 6. Incidence rates¹ of nonfatal occupational injuries and illnesses by industry and selected case types, 1998

Washington

Industry ²	SIC code ³	1998 Annual average employment ⁴ (000's)	Injuries and Illnesses				Injuries			
			Total cases	Lost workday cases		Cases without lost work-days	Total cases	Lost workday cases		Cases without lost work-days
				Total ⁵	With days away from work ⁶			Total ⁵	With days away from work ⁶	
All Industries including State and local government⁷		2,496.8	9.2	3.9	2.9	5.3	8.5	3.6	2.8	4.9
Private Industry⁷		2,122.9	9.5	4.0	2.9	5.5	8.7	3.7	2.7	5.0
Agriculture, forestry, and fishing⁷		94.9	12.9	4.5	3.7	8.3	12.4	4.5	3.7	7.9
Agricultural production ⁷	01-02	65.6	11.4	4.0	3.3	7.5	10.9	3.9	3.2	7.0
Agricultural production-crops ⁷	01	59.9	11.1	3.8	3.1	7.3	10.6	3.8	3.1	6.8
Fruits and tree nuts ⁷	017	39.2	12.5	4.0	3.2	8.5	11.8	3.9	3.2	7.9
Agricultural production - livestock ⁷	02	5.7	16.1	6.5	5.9	9.6	15.4	6.1	5.6	9.3
Agricultural services	07	24.2	16.1	5.4	4.5	10.7	15.7	5.4	4.4	10.4
Mining⁸		3.2	6.7	4.0	3.1	2.6	6.2	3.8	2.9	2.4
Construction		133.6	15.5	5.9	5.2	9.6	15.3	5.9	5.1	9.4
General building contractors	15	37.4	15.3	6.1	4.8	9.2	15.1	6.1	4.8	9.0
Residential building construction	152	20.1	19.7	7.6	6.5	12.1	19.5	7.6	6.5	11.9
Nonresidential building construction	154	16.3	11.7	5.0	3.4	6.7	11.4	4.9	3.3	6.5
Heavy construction, except building	16	18.3	11.8	5.5	4.6	6.4	11.4	5.3	4.4	6.1
Highway and street construction	161	5.3	11.5	4.6	4.1	6.8	11.1	4.5	4.0	6.5
Heavy construction, except highway	162	13.0	12.0	5.8	4.8	6.2	11.5	5.7	4.6	5.9
Special trade contractors	17	78.0	16.5	6.0	5.5	10.5	16.3	5.9	5.5	10.4
Plumbing, heating, air-conditioning	171	16.0	17.8	4.4	4.1	13.4	17.7	4.4	4.1	13.3
Painting and paper hanging	172	5.5	11.2	5.2	4.2	6.0	11.1	5.2	4.2	6.0
Electrical work	173	15.3	10.3	4.1	3.5	6.3	10.2	4.1	3.5	6.2
Masonry, stonework, and plastering	174	10.8	17.9	6.3	5.5	11.6	17.2	6.2	5.4	11.0
Carpentry and floor work	175	6.8	15.7	7.8	7.4	7.9	15.6	7.8	7.4	7.8
Roofing, siding, and sheet metal work	176	6.3	22.9	11.0	10.6	11.8	22.9	11.0	10.6	11.8
Concrete work	177	5.1	18.7	9.8	9.5	8.9	18.7	9.8	9.5	8.9
Miscellaneous special trade contractors	179	11.8	20.8	6.1	5.7	14.7	20.7	6.1	5.7	14.6
Manufacturing		374.0	13.2	6.3	3.7	6.9	11.1	5.4	3.3	5.7
Durable goods		267.8	13.8	6.5	3.6	7.3	11.4	5.5	3.2	5.9
Lumber and wood products	24	33.4	18.2	7.5	4.9	10.7	17.5	7.3	4.8	10.2
Lathing	241	6.9	11.9	6.7	5.9	5.1	11.4	6.6	5.9	4.8
Sawmills and planing mills	242	13.7	17.6	7.7	4.9	10.0	16.5	7.4	4.7	9.0
Sawmills and planing mills, general	2421	12.2	16.9	7.9	4.8	9.0	15.6	7.6	4.6	8.0
Millwork, plywood and structural members	243	9.2	21.4	6.9	4.2	14.5	21.1	6.7	4.1	14.4
Millwork	2431	4.1	19.3	8.2	4.2	11.1	19.3	8.2	4.2	11.0
Stone, clay, and glass products	32	9.4	24.5	12.3	7.3	12.2	23.9	12.2	7.2	11.7
Primary metal industries	33	11.9	18.6	9.7	5.0	8.9	16.4	9.0	4.6	7.4
Primary nonferrous metals	333	6.2	17.9	8.9	3.8	9.0	14.8	8.1	3.5	6.7
Fabricated metal products	34	14.3	21.1	7.7	5.4	13.4	20.3	7.3	5.0	13.0
Fabricated structural metal products	344	6.4	26.5	9.9	6.1	16.6	26.0	9.6	5.8	16.4
Industrial machinery and equipment	35	25.5	11.7	4.0	3.4	7.7	11.0	3.9	3.2	7.2
Special industry machinery	355	4.2	15.6	5.7	4.1	10.0	15.2	5.6	4.1	9.6
Industrial machinery, n.e.c.	359	5.1	13.8	4.5	4.3	9.3	13.6	4.4	4.3	9.1
Electronic and other electric equipment	36	18.2	6.5	2.7	1.4	3.7	5.6	2.3	1.2	3.2
Electronic components and accessories	367	9.4	5.2	2.7	1.4	2.6	4.4	2.1	1.1	2.3

See footnotes at end of table.

Table 6. Incidence rates¹ of nonfatal occupational injuries and illnesses by industry and selected case types, 1998 -- Continued

Washington

Industry ²	SIC code ³	1998 Annual average employment ⁴ (000's)	Injuries and Illnesses				Injuries			
			Total cases	Lost workday cases		Cases without lost work-days	Total cases	Lost workday cases		Cases without lost work-days
				Total ⁵	With days away from work ⁶			Total ⁵	With days away from work ⁶	
Motor vehicles and equipment	371	6.0	15.0	7.1	2.7	7.9	13.5	6.3	2.4	7.2
Aircraft	3721	--	11.9	7.0	3.0	4.9	7.3	5.0	2.4	2.3
Aircraft parts and equipment, n.e.c.	3728	11.5	11.2	3.6	2.3	7.7	9.9	2.9	2.0	7.0
Ship and boat building and repairing	373	7.0	27.3	9.3	7.6	18.0	25.6	9.0	7.4	16.5
Ship building and repairing	3731	2.8	29.2	14.4	11.3	14.8	27.8	14.4	11.3	13.4
Boat building and repairing	3732	4.2	26.1	6.1	5.2	20.1	24.1	5.6	5.0	18.5
Instruments and related products	38	14.7	2.2	0.9	0.7	--	--	0.7	0.6	--
Measuring and controlling devices	382	6.2	2.2	0.9	0.7	1.4	1.4	0.6	0.4	0.8
Medical instruments and supplies	384	5.7	2.7	1.0	0.9	1.7	--	--	0.8	--
Miscellaneous manufacturing industries	39	8.7	11.8	5.2	4.1	6.6	10.9	4.8	3.8	6.1
Toys and sporting goods	394	5.6	9.4	4.0	2.6	5.4	8.1	3.5	2.2	4.6
Sporting and athletic goods, n.e.c.	3949	3.9	10.1	4.1	3.0	6.0	8.5	3.5	2.4	5.0
Nondurable goods		106.2	11.7	5.6	3.9	6.0	10.3	5.1	3.6	5.2
Food and kindred products	20	40.0	15.3	7.7	5.5	7.6	13.0	6.8	5.0	6.3
Meat products	201	4.5	24.8	11.8	5.4	12.9	17.1	7.9	4.1	9.3
Preserved fruits and vegetables	203	13.5	12.7	6.2	4.6	6.5	11.1	6.0	4.4	5.0
Bakery products	205	3.2	8.1	5.8	3.0	2.3	7.6	5.5	2.8	2.1
Beverages	208	3.2	11.6	7.5	3.7	4.1	10.9	7.2	3.4	3.8
Miscellaneous food and kindred products	209	11.0	16.5	8.5	7.9	--	--	7.8	7.3	--
Apparel and other textile products	23	7.8	4.4	2.2	1.2	2.2	3.8	1.8	0.9	2.0
Paper and allied products	26	16.2	9.6	5.2	3.5	4.4	8.4	4.8	3.2	3.5
Paper mills	262	8.2	8.5	4.4	3.3	4.1	6.9	4.0	2.9	2.9
Paperboard containers and boxes	265	3.0	11.0	5.9	3.6	5.1	9.6	5.5	3.4	4.1
Printing and publishing	27	23.5	6.3	3.0	2.6	3.4	5.9	2.8	2.4	3.1
Newspapers	271	10.0	6.4	3.3	3.1	3.2	5.7	3.0	2.8	2.6
Commercial printing	275	7.5	6.2	3.0	2.3	3.2	6.1	2.8	2.2	3.2
Commercial printing, lithographic	2752	4.6	7.3	3.3	2.9	4.1	7.3	3.3	2.9	4.1
Chemicals and allied products	28	5.9	6.1	3.2	1.8	2.9	5.3	3.1	1.7	2.2
Rubber and miscellaneous plastics products	30	9.2	22.5	8.4	4.9	14.1	21.3	7.8	4.5	13.6
Miscellaneous plastics products, n.e.c.	308	8.5	22.5	8.6	5.0	13.9	21.2	7.9	4.5	13.3
Transportation and public utilities⁸		129.5	10.1	5.1	4.3	5.1	9.7	4.9	4.2	4.7
Railroad transportation ⁸	40	--	4.2	3.4	2.6	0.8	4.0	3.3	2.6	0.8
Local and interurban passenger transit	41	6.2	13.2	5.9	4.1	7.3	12.8	5.8	4.0	7.0
Trucking and warehousing	42	31.0	16.7	6.7	6.2	10.0	16.6	6.7	6.1	9.9
Trucking and courier services, except air	421	26.4	17.5	7.1	6.6	10.4	17.4	7.1	6.6	10.3
Water transportation	44	9.2	8.1	3.5	3.1	4.6	7.3	3.3	3.1	3.9
Transportation by air	45	24.9	18.2	12.2	10.3	5.9	17.3	11.7	9.8	5.6
Communications	48	29.7	2.7	1.3	1.1	1.5	2.3	1.1	1.0	1.1
Telephone communications	481	20.8	2.3	1.1	0.9	1.1	1.7	1.0	0.8	0.7
Electric, gas, and sanitary services	49	15.4	6.5	3.2	2.7	3.4	5.6	3.1	2.6	2.5
Electric services	491	3.1	9.5	3.4	3.2	6.0	6.3	3.4	3.2	2.9
Wholesale and retail trade		608.8	9.6	3.7	2.8	5.9	9.3	3.6	2.8	5.7
Wholesale trade		148.0	9.3	4.1	3.2	5.2	8.9	4.0	3.1	5.0
Wholesale trade--durable goods	50	84.5	8.7	3.6	2.8	5.1	8.5	3.5	2.7	4.9
Motor vehicles, parts, and supplies	501	8.8	14.3	5.4	4.7	8.9	14.1	5.3	4.7	8.8

See footnotes at end of table.

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				Total ⁵	With days away from work ⁶			Total ⁵	With days away from work ⁶	
Machinery, equipment, and supplies	508	18.7	6.4	1.7	1.1	4.7	6.3	1.7	1.1	4.5
Miscellaneous durable goods	509	6.9	17.0	9.8	7.6	7.2	16.4	9.7	7.6	6.6
Wholesale trade--nondurable goods	51	63.6	10.1	4.7	3.8	5.4	9.6	4.6	3.6	5.0
Groceries and related products	514	29.1	10.5	5.5	4.6	5.0	10.1	5.3	4.4	4.8
Retail trade		460.7	9.8	3.6	2.7	6.2	9.5	3.5	2.6	6.1
Building materials and garden supplies	52	21.3	13.3	4.8	3.4	8.5	13.2	4.8	3.4	8.4
Lumber and other building materials	521	13.1	16.3	6.3	4.4	9.9	16.2	6.3	4.3	9.9
General merchandise stores	53	47.3	11.4	5.1	3.1	6.4	10.9	4.8	3.1	6.0
Department stores	531	43.8	12.1	5.4	3.3	6.8	11.6	5.1	3.2	6.4
Food stores	54	68.9	11.7	3.3	3.1	8.4	11.0	3.2	3.0	7.9
Grocery stores	541	60.7	12.0	3.5	3.3	8.5	11.4	3.3	3.1	8.1
Automotive dealers and service stations	55	47.4	9.8	2.8	2.5	6.9	9.7	2.8	2.4	6.9
New and used car dealers	551	21.0	8.2	2.0	2.0	6.3	8.2	1.9	1.9	6.3
Auto and home supply stores	553	9.4	17.7	6.4	4.9	11.3	17.5	6.2	4.8	11.3
Gasoline service stations	554	11.6	7.3	2.1	1.9	5.2	7.2	2.1	1.9	5.1
Apparel and accessory stores	56	25.5	4.2	0.9	0.7	3.4	4.0	0.8	0.6	3.2
Furniture and homefurnishings stores	57	21.5	8.1	2.8	1.9	5.3	8.0	2.8	1.9	5.2
Eating and drinking places	58	172.0	10.4	4.2	3.0	6.2	10.3	4.1	3.0	6.2
Miscellaneous retail	59	57.0	6.3	2.8	2.1	3.5	6.1	2.7	2.0	3.4
Finance, insurance, and real estate		131.8	2.2	0.8	0.8	1.4	2.0	0.8	0.8	1.2
Real estate	65	33.8	6.0	2.9	2.8	3.1	5.8	2.9	2.8	2.9
Services		647.0	6.2	2.5	1.8	3.8	5.8	2.3	1.7	3.4
Hotels and other lodging places	70	28.0	9.7	4.3	3.4	5.4	9.4	4.1	3.3	5.3
Personal services	72	22.1	5.9	2.7	2.3	3.3	5.6	2.5	2.2	3.1
Business services	73	151.2	3.4	1.5	1.1	2.0	3.1	1.4	1.1	1.8
Auto repair, services, and parking	75	25.1	11.2	4.2	3.4	7.1	11.0	4.1	3.3	6.9
Automotive repair shops	753	15.1	12.8	4.5	3.7	8.3	12.5	4.4	3.7	8.1
Miscellaneous repair services	76	7.6	10.8	4.8	4.1	5.9	10.6	4.8	4.1	5.8
Motion pictures	78	9.2	4.8	0.4	0.4	--	4.8	0.4	0.4	--
Amusement and recreation services	79	38.3	12.3	2.7	2.1	9.6	12.2	2.6	2.1	9.5
Health services	80	180.2	8.4	3.4	2.2	5.0	7.6	3.2	2.0	4.4
Nursing and personal care facilities	805	33.0	17.1	9.5	4.5	7.6	16.6	9.4	4.4	7.2
Educational services	82	21.5	2.5	0.9	0.8	1.5	2.3	0.9	0.8	1.4
Social services	83	59.0	8.8	4.1	2.9	4.7	8.7	4.1	2.9	4.6
Membership organizations	86	24.1	3.3	1.1	1.0	2.3	3.3	1.1	1.0	2.3
Engineering and management services	87	60.6	2.7	0.9	0.7	1.8	2.1	0.8	0.6	1.2
State and local government		373.9	7.9	3.4	3.2	4.5	7.3	3.3	3.1	4.0
State government		113.6	5.3	2.3	2.1	3.0	4.7	2.2	2.1	2.5
Services		--	--	--	--	--	--	--	--	--
Educational services	82	52.1	3.4	1.3	1.2	2.1	3.0	1.2	1.1	1.8

See footnotes at end of table.

Table 6. Incidence rates¹ of nonfatal occupational injuries and illnesses by industry and selected case types, 1998 -- Continued

Washington

Industry ²	SIC code ³	1998 Annual average employment ⁴ (000's)	Injuries and Illnesses				Injuries			
			Total cases	Lost workday cases		Cases without lost work-days	Total cases	Lost workday cases		Cases without lost work-days
				Total ⁵	With days away from work ⁶			Total ⁵	With days away from work ⁶	
Public administration		42.3	6.1	2.5	2.3	3.6	5.3	2.3	2.1	2.9
Local government		260.3	9.4	4.1	3.9	5.3	8.8	3.9	3.7	4.9
Transportation and public utilities		21.7	10.9	5.7	5.2	5.2	9.9	5.5	5.0	4.4
Services		--	--	--	--	--	--	--	--	--
Educational services	82	140.4	6.0	2.1	2.1	3.9	5.4	1.8	1.8	3.6
Public administration		75.9	13.0	6.4	6.0	6.6	12.5	6.3	5.9	6.2

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

N = number of injuries and illnesses
 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 Employment is expressed as an annual average and is derived primarily from the BLS-State Covered Employment and Wages program. Employment in private households (SIC 88) is excluded.

⁵ Total lost workday cases involve days away from work, or days of restricted work activity, or both.

⁶ Days-away-from-work cases include those which result in days away from

work with or without restricted work activity.

⁷ Excludes farms with fewer than 11 employees.

⁸ Data conforming to OSHA definitions for mining operators in coal, metal, and nonmetal mining and for employers in railroad transportation are provided to BLS by the Mine Safety and Health Administration, U.S. Department of Labor; and the Federal Railroad Administration, U.S. Department of Transportation. Independent mining contractors are excluded from the coal, metal, and nonmetal mining industries.

⁹ Incidence rate less than 0.05.

NOTE: Because of rounding, components may not add to totals.

n.e.c. = not elsewhere classified.

-- Indicates data not available.

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