

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

Minnesota

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		2,457.1	7.5	3.4	1.9	4.2	6.9	3.1	1.8	3.8
Private Industry⁷		2,155.0	7.7	3.5	1.9	4.1	7.0	3.2	1.8	3.8
Agriculture, forestry, and fishing⁷		23.9	9.4	4.7	3.0	4.7	9.2	4.6	2.9	4.6
Agricultural production ⁷	01-02	11.7	11.3	5.9	3.3	5.4	11.0	5.7	3.3	5.3
Agricultural production-crops ⁷	01	5.6	8.3	4.4	2.4	3.9	8.2	4.4	2.4	3.8
Agricultural production - livestock ⁷	02	6.0	13.2	6.8	3.8	6.4	12.9	6.6	3.8	6.3
Agricultural services	07	11.9	7.9	3.8	2.8	4.1	7.7	3.7	2.7	4.0
Mining⁸		--	5.2	2.4	2.0	2.8	5.1	2.3	1.9	2.7
Metal mining ⁸	10	5.8	5.7	2.6	2.2	3.1	5.6	2.5	2.1	3.1
Iron ores ⁸	101	5.8	5.7	2.6	2.2	3.1	5.6	2.5	2.1	3.1
Construction		101.6	12.4	5.1	3.9	7.2	12.1	5.0	3.9	7.1
General building contractors	15	23.0	13.3	4.8	3.9	8.5	13.1	4.7	3.8	8.4
Residential building construction	152	11.1	11.2	5.5	4.9	5.6	11.2	5.5	4.9	5.6
Nonresidential building construction	154	11.6	15.5	4.3	3.1	11.2	15.0	4.1	2.9	10.9
Heavy construction, except building	16	12.9	11.0	3.9	3.1	7.1	10.8	3.7	3.0	7.0
Highway and street construction	161	5.2	15.3	5.0	4.0	10.4	15.3	5.0	4.0	10.4
Heavy construction, except highway	162	7.7	7.7	3.0	2.4	4.7	7.3	2.8	2.3	4.5
Special trade contractors	17	65.8	12.3	5.5	4.2	6.8	12.1	5.4	4.1	6.7
Plumbing, heating, air-conditioning	171	15.3	16.4	5.7	3.9	10.7	16.2	5.7	3.9	10.5
Electrical work	173	13.1	7.3	2.7	1.4	4.6	7.2	2.6	1.3	4.5
Masonry, stonework, and plastering	174	8.3	14.5	7.9	6.7	6.6	14.1	7.5	6.4	6.6
Manufacturing		440.7	10.4	4.9	2.2	5.5	8.7	4.0	1.9	4.7
Durable goods		260.0	11.4	5.0	2.4	6.4	9.7	4.3	2.2	5.5
Lumber and wood products	24	20.8	15.8	7.7	3.9	8.1	14.0	6.8	3.5	7.2
Millwork, plywood and structural members	243	13.4	17.4	8.6	3.8	8.7	14.9	7.4	3.2	7.5
Millwork	2431	8.2	16.8	7.8	2.7	9.1	14.3	6.4	2.1	7.9
Furniture and fixtures	25	6.7	15.7	7.3	3.7	8.4	14.7	6.6	3.4	8.1
Stone, clay, and glass products	32	10.2	17.7	9.3	3.9	8.5	17.2	8.8	3.8	8.4
Primary metal industries	33	8.0	19.3	9.7	5.1	9.6	18.3	9.3	5.0	9.0
Fabricated metal products	34	37.2	13.6	6.3	2.9	7.4	12.7	5.8	2.6	6.9
Fabricated structural metal products	344	11.8	14.0	4.8	2.8	9.2	13.4	4.3	2.4	9.0
Metal forgings and stampings	346	5.1	18.3	7.8	4.2	10.6	15.2	6.1	3.2	9.1
Ordinance and accessories, n.e.c.	348	3.9	4.1	1.6	0.9	2.5	3.0	1.1	0.7	1.9
Industrial machinery and equipment	35	79.9	10.2	3.9	2.1	6.3	9.4	3.5	2.0	5.9
Farm and garden machinery	352	5.5	13.2	5.4	3.1	7.7	12.0	4.7	2.7	7.3
Metalworking machinery	354	7.3	12.5	4.9	3.6	7.6	11.6	4.5	3.4	7.1
General industrial machinery	356	10.0	14.9	4.5	2.5	10.4	14.3	4.1	2.5	10.2
Computer and office equipment	357	25.0	3.6	1.7	0.6	1.9	2.7	1.3	0.5	1.4
Refrigeration and service machinery	358	7.2	10.2	3.7	1.7	6.5	9.6	3.5	1.7	6.1
Industrial machinery, n.e.c.	359	14.3	13.7	4.9	2.9	8.8	13.0	4.7	2.7	8.4
Industrial machinery, n.e.c.	3599	11.4	15.3	5.7	3.4	9.6	15.0	5.6	3.3	9.4
Electronic and other electric equipment	36	34.1	6.9	2.6	1.4	4.2	5.2	2.0	1.1	3.2

See footnotes at end of table.

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

Minnesota

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	
Electrical industrial apparatus	362	4.1	3.5	1.6	1.1	2.0	3.0	1.4	1.0	1.6
Electronic components and accessories	367	15.7	6.3	2.4	1.2	3.9	4.9	2.0	1.0	2.9
Transportation equipment	37	14.9	26.3	11.9	4.4	14.4	15.8	7.7	3.5	8.1
Motor vehicles and equipment	371	7.0	38.3	14.9	5.6	23.4	20.7	8.9	4.2	11.8
Instruments and related products	38	41.0	4.4	2.1	0.9	2.4	3.0	1.3	0.7	1.7
Measuring and controlling devices	382	14.0	5.2	2.5	1.2	2.6	4.0	1.9	1.1	2.0
Medical instruments and supplies	384	20.0	4.6	2.2	0.8	2.4	2.6	1.2	0.6	1.4
Miscellaneous manufacturing industries	39	7.2	10.5	4.3	1.8	6.3	9.2	3.7	1.5	5.6
Nondurable goods		180.7	9.0	4.7	1.8	4.3	7.2	3.7	1.6	3.6
Food and kindred products	20	52.1	14.0	7.9	2.5	6.0	10.5	5.7	2.3	4.8
Meat products	201	15.1	25.3	14.3	1.9	11.0	15.9	8.0	1.5	7.8
Poultry slaughtering and processing	2015	6.7	30.9	17.8	1.5	13.1	19.2	9.6	1.2	9.6
Dairy products	202	8.4	5.7	2.4	1.5	3.2	5.5	2.4	1.5	3.2
Preserved fruits and vegetables	203	5.6	9.0	3.2	2.0	5.8	8.3	3.2	2.0	5.1
Grain mill products	204	10.1	5.4	3.0	2.0	2.5	4.8	2.6	1.8	2.1
Paper and allied products	26	30.8	5.9	2.8	1.1	3.1	5.2	2.5	1.0	2.7
Paper mills	262	5.3	6.2	2.2	1.6	4.0	5.9	2.2	1.6	3.8
Printing and publishing	27	55.7	5.6	3.1	1.4	2.6	4.3	2.3	1.1	2.0
Newspapers	271	9.3	6.6	3.1	2.0	3.6	5.1	2.5	1.8	2.7
Commercial printing	275	26.1	6.4	3.8	1.4	2.6	4.9	2.7	1.1	2.2
Chemicals and allied products	28	11.4	3.8	2.0	0.9	1.8	3.3	1.8	0.9	1.5
Rubber and miscellaneous plastics products	30	20.0	13.1	5.9	2.7	7.2	11.8	5.5	2.5	6.3
Miscellaneous plastics products, n.e.c.	308	17.3	12.1	5.5	2.5	6.6	11.1	5.2	2.4	5.9
Transportation and public utilities⁸		122.2	7.4	3.8	2.5	3.6	7.0	3.7	2.5	3.3
Railroad transportation ⁸	40	--	4.3	2.8	1.9	1.5	4.2	2.8	1.9	1.4
Local and interurban passenger transit	41	12.7	6.7	2.2	1.8	4.4	6.6	2.2	1.8	4.4
Trucking and warehousing	42	30.3	9.9	4.1	3.0	5.8	9.9	4.1	3.0	5.8
Trucking and courier services, except air	421	29.1	10.0	4.1	3.0	6.0	10.0	4.1	3.0	5.9
Transportation by air	45	32.5	10.2	7.8	4.8	2.4	9.4	7.5	4.6	1.9
Transportation services	47	9.2	1.6	0.8	0.7	0.8	1.5	0.8	0.7	0.7
Communications	48	21.6	3.5	1.1	0.7	2.5	3.2	0.9	0.6	2.2
Telephone communications	481	14.1	3.4	1.0	0.7	2.4	2.9	0.8	0.6	2.1
Electric, gas, and sanitary services	49	14.5	6.4	2.4	1.5	4.0	6.1	2.3	1.5	3.7
Electric services	491	8.0	7.5	2.8	1.6	4.8	7.3	2.7	1.5	4.6
Wholesale and retail trade		610.9	7.3	2.9	1.6	4.4	7.1	2.8	1.6	4.3
Wholesale trade		153.0	7.4	3.7	2.1	3.7	7.2	3.6	2.1	3.6
Wholesale trade--durable goods	50	90.5	6.5	2.8	1.6	3.7	6.4	2.7	1.5	3.6
Motor vehicles, parts, and supplies	501	10.9	7.5	3.0	1.9	4.5	7.3	2.8	1.8	4.5
Lumber and construction materials	503	5.7	10.6	5.7	3.6	4.9	10.5	5.6	3.6	4.9
Professional and commercial equipment	504	24.1	2.8	1.0	0.6	1.7	2.7	1.0	0.6	1.7
Machinery, equipment, and supplies	508	20.0	8.0	3.2	1.6	4.8	7.9	3.2	1.6	4.7
Wholesale trade--nondurable goods	51	62.6	8.7	5.1	2.9	3.6	8.5	4.9	2.9	3.6
Groceries and related products	514	20.7	9.6	6.2	2.4	3.5	9.2	5.8	2.2	3.5

See footnotes at end of table.

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

Minnesota

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	
Retail trade		457.8	7.2	2.4	1.4	4.8	7.0	2.4	1.3	4.6
Building materials and garden supplies	52	20.8	8.1	4.4	2.7	3.7	8.0	4.4	2.7	3.7
Lumber and other building materials	521	12.3	9.3	5.0	2.8	4.3	9.2	5.0	2.7	4.2
General merchandise stores	53	64.8	7.0	2.5	1.8	4.5	6.8	2.4	1.6	4.4
Department stores	531	58.4	7.1	2.5	1.8	4.7	7.0	2.3	1.7	4.6
Food stores	54	60.2	10.9	3.9	1.7	7.0	10.5	3.8	1.7	6.7
Grocery stores	541	52.5	11.7	4.1	1.8	7.5	11.2	4.1	1.8	7.2
Automotive dealers and service stations	55	53.5	8.5	2.7	1.9	5.7	8.3	2.7	1.8	5.7
New and used car dealers	551	20.0	10.9	2.5	1.8	8.4	10.9	2.5	1.7	8.4
Apparel and accessory stores	56	19.0	3.5	0.6	0.4	2.9	3.3	0.6	0.4	2.8
Furniture and home furnishings stores	57	21.8	6.9	3.3	1.3	3.6	6.9	3.3	1.3	3.5
Eating and drinking places	58	152.6	6.2	1.7	1.0	4.5	6.1	1.6	0.9	4.5
Miscellaneous retail	59	65.2	5.0	1.4	0.8	3.6	4.5	1.2	0.7	3.3
Finance, insurance, and real estate		154.3	1.6	0.7	0.5	1.0	1.3	0.6	0.5	0.7
Real estate	65	25.3	2.8	1.3	0.8	1.5	2.7	1.3	0.8	1.4
Services		693.5	6.5	3.3	1.7	3.2	6.1	3.1	1.6	3.0
Hotels and other lodging places	70	27.9	8.2	3.3	1.6	4.8	8.0	3.3	1.6	4.8
Hotels and motels	701	26.6	8.2	3.4	1.7	4.8	8.1	3.4	1.6	4.7
Personal services	72	26.2	4.9	3.0	1.8	1.9	4.6	3.0	1.8	1.7
Business services	73	163.6	3.5	2.1	0.9	1.4	3.3	2.0	0.8	1.3
Auto repair, services, and parking	75	22.4	5.5	1.8	1.0	3.6	5.3	1.7	1.0	3.6
Miscellaneous repair services	76	5.5	10.4	4.8	3.5	5.6	10.3	4.7	3.4	5.6
Amusement and recreation services	79	42.6	8.8	3.3	2.1	5.4	8.3	3.2	2.0	5.1
Miscellaneous amusement, recreation	799	34.3	8.6	3.0	2.1	5.6	8.1	2.8	1.9	5.2
Health services	80	207.7	10.5	5.9	3.1	4.6	9.7	5.6	3.0	4.1
Nursing and personal care facilities	805	48.9	20.5	13.9	5.4	6.6	19.9	13.6	5.2	6.3
Hospitals	806	67.4	12.4	7.0	4.9	5.3	11.4	6.6	4.7	4.8
Home health care services	808	10.0	10.1	5.8	3.4	4.3	10.1	5.8	3.4	4.3
Educational services	82	24.6	3.0	1.1	0.7	1.9	2.8	1.0	0.7	1.7
Social services	83	68.6	8.8	4.0	2.4	4.9	8.4	3.5	2.0	4.9
Residential care	836	24.0	13.7	5.9	3.7	7.8	13.1	5.3	3.1	7.8
State and local government		302.0	6.6	2.3	1.7	4.3	6.2	2.2	1.6	4.0
State government		65.5	3.7	1.3	1.1	2.4	3.5	1.3	1.0	2.2
Construction		4.1	12.2	6.2	4.1	6.0	11.9	6.1	4.1	5.8
Services		37.4	2.9	0.9	0.7	2.0	2.8	0.9	0.7	1.9
Health services	80	5.0	9.9	4.9	3.9	5.0	9.5	4.8	3.9	4.7
Educational services	82	30.0	2.4	0.6	0.5	1.8	2.3	0.6	0.5	1.7
Public administration		23.5	4.1	1.6	1.3	2.6	3.6	1.4	1.1	2.3
Local government		236.5	7.9	2.7	2.0	5.2	7.4	2.6	1.9	4.8

See footnotes at end of table.

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

Minnesota

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	
Services		154.9	8.1	2.3	1.7	5.8	7.6	2.2	1.6	5.4
Hospitals	806	16.2	11.5	4.5	3.0	6.9	10.2	4.2	2.7	6.1
Educational services	82	127.5	7.3	1.7	1.4	5.5	6.8	1.6	1.3	5.2
Elementary and secondary schools	821	123.2	7.4	1.7	1.4	5.7	6.9	1.6	1.3	5.3
Public administration		73.1	6.6	2.7	2.0	4.0	6.2	2.6	2.0	3.7

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.