

Table 6. Incidence rates¹ of nonfatal occupational injuries and illnesses, by industry and case type, 1996

Minnesota

Industry ²	SIC code ³	1996 Annual average employment ⁴ (000's)	Injuries and illnesses				Injuries			
			Total cases	Lost workday cases		Cases without lost workdays	Total cases	Lost workday cases		Cases without lost workdays
				Total ⁵	With days away from work ⁶			Total ⁵	With days away from work ⁶	
All industries including State and local government ⁷		2,329.2	8.3	3.5	2.2	4.8	7.6	3.2	2.1	4.3
Private industry ⁷		2,034.6	8.4	3.7	2.2	4.7	7.6	3.4	2.1	4.2
Agriculture, forestry, and fishing ⁷		21.8	10.3	4.9	3.5	5.5	9.4	4.7	3.5	4.7
Agricultural production ⁷	01-02	10.7	15.0	8.2	5.4	6.8	12.7	7.7	5.3	5.0
Agricultural services	07	10.8	7.4	2.7	2.3	4.7	7.4	2.7	2.3	4.6
Mining ⁸		7.8	6.0	3.0	1.9	3.0	5.9	2.9	1.9	3.0
Metal mining ⁸	10	6.0	6.2	3.0	2.0	3.1	6.1	3.0	2.0	3.1
Iron ores ⁸	101	5.9	6.2	3.0	2.0	3.1	6.1	3.0	2.0	3.1
Construction		89.0	12.6	6.0	4.6	6.6	12.3	5.9	4.5	6.4
General building contractors	15	19.9	9.7	4.7	3.7	5.0	9.6	4.7	3.6	5.0
Residential building construction	152	9.9	6.9	4.4	3.7	2.5	6.9	4.4	3.7	2.5
Nonresidential building construction	154	9.8	12.6	5.2	3.7	7.4	12.4	5.0	3.5	7.4
Heavy construction, except building	16	11.6	10.8	4.8	4.2	6.0	10.7	4.8	4.2	6.0
Highway and street construction	161	5.0	10.7	3.7	3.0	7.0	10.7	3.7	3.0	7.0
Heavy construction, except highway	162	6.6	10.9	5.8	5.3	5.1	10.8	5.8	5.3	5.0
Special trade contractors	17	57.5	14.1	6.7	4.9	7.4	13.6	6.6	4.9	6.9
Plumbing, heating, air-conditioning	171	14.0	15.1	6.3	3.8	8.8	14.9	6.2	3.7	8.7
Electrical work	173	11.2	12.8	4.9	3.8	7.9	11.7	4.8	3.7	6.9
Masonry, stonework, and plastering	174	7.2	10.8	6.5	6.2	4.3	10.7	6.5	6.1	4.2
Manufacturing		428.8	11.2	5.0	2.4	6.2	9.4	4.2	2.2	5.2
Durable goods		246.3	11.9	5.0	2.6	6.9	10.3	4.3	2.4	6.0
Lumber and wood products	24	19.7	20.3	10.0	4.9	10.4	17.6	8.6	4.4	8.9
Millwork, plywood and structural members	243	12.4	22.1	11.6	4.7	10.5	18.4	9.7	4.0	8.7
Millwork	2431	7.8	18.7	9.7	4.0	9.0	13.8	7.5	3.1	6.3
Furniture and fixtures	25	6.7	12.3	5.8	4.2	6.5	10.9	5.1	3.9	5.8
Stone, clay, and glass products	32	9.5	8.8	4.0	2.8	4.8	8.5	3.9	2.8	4.7
Primary metal industries	33	7.2	25.8	11.2	5.3	14.6	24.9	11.0	5.2	13.9
Fabricated metal products	34	34.9	15.3	6.8	3.5	8.5	14.4	6.4	3.4	8.0
Fabricated structural metal products	344	11.4	20.4	8.1	5.0	12.3	20.0	7.9	5.0	12.1
Metal forgings and stampings	346	4.6	16.2	5.6	3.9	10.6	15.6	5.3	3.8	10.3
Ordnance and accessories, n.e.c.	348	4.4	4.6	2.0	.8	2.6	3.2	1.5	.8	1.7
Industrial machinery and equipment	35	74.1	10.1	3.6	2.1	6.4	9.1	3.2	2.0	5.9
Farm and garden machinery	352	5.9	16.0	5.1	3.4	10.9	14.5	4.5	3.2	10.0
Metalworking machinery	354	7.0	14.1	5.8	—	8.2	13.3	5.5	—	7.8
General industrial machinery	356	8.9	11.6	5.6	2.2	6.0	10.2	4.5	2.0	5.7
Computer and office equipment	357	22.6	2.2	.8	.4	1.4	1.5	.6	.3	.9
Refrigeration and service machinery	358	6.9	10.9	3.6	1.9	7.3	9.6	3.1	1.6	6.5
Industrial machinery, n.e.c.	359	12.6	14.3	4.1	2.8	10.1	13.3	3.9	2.7	9.4
Industrial machinery, n.e.c.	3599	9.7	14.1	4.5	3.0	9.5	13.3	4.3	2.9	9.0
Electronic and other electric equipment	36	33.2	6.8	2.7	1.4	4.1	5.3	2.1	1.2	3.2
Electrical industrial apparatus	362	4.1	7.9	4.1	1.9	3.8	6.4	3.2	1.6	3.2
Electronic components and accessories	367	15.1	7.2	2.9	1.4	4.4	5.7	2.4	1.3	3.3
Transportation equipment	37	14.0	24.7	10.4	5.7	14.4	18.3	8.0	4.5	10.2
Motor vehicles and equipment	371	6.4	33.1	12.6	7.0	20.5	23.6	9.9	5.7	13.7
Instruments and related products	38	38.6	5.8	2.4	.9	3.4	3.6	1.3	.6	2.3
Measuring and controlling devices	382	14.0	6.0	3.0	1.1	3.0	4.2	2.0	.9	2.2
Medical instruments and supplies	384	18.0	6.0	2.4	.8	3.6	3.5	.9	.5	2.5
Miscellaneous manufacturing industries	39	8.4	14.7	6.8	2.9	7.9	13.5	6.4	2.7	7.0

See footnotes at end of table.

Table 6. Incidence rates¹ of nonfatal occupational injuries and illnesses, by industry and case type, 1996 — Continued

Minnesota

Industry ²	SIC code ³	1996 Annual average employment ⁴ (000's)	Injuries and illnesses				Injuries			
			Total cases	Lost workday cases		Cases without lost workdays	Total cases	Lost workday cases		Cases without lost workdays
				Total ⁵	With days away from work ⁶			Total ⁵	With days away from work ⁶	
Nondurable goods		182.5	10.3	5.0	2.1	5.2	8.2	4.0	1.9	4.2
Food and kindred products	20	54.9	15.6	7.8	2.9	7.8	11.4	5.7	2.6	5.7
Meat products	201	14.7	31.9	15.6	3.2	16.3	18.8	9.1	2.5	9.7
Poultry slaughtering and processing	2015	6.7	29.1	15.1	2.4	14.0	14.9	7.4	1.7	7.6
Dairy products	202	8.5	8.0	3.5	2.3	4.5	7.1	3.0	2.3	4.0
Preserved fruits and vegetables	203	5.4	8.7	3.0	1.6	5.6	8.0	2.9	1.6	5.2
Grain mill products	204	11.6	5.3	2.5	1.7	2.7	4.8	2.4	1.6	2.4
Paper and allied products	26	31.4	5.5	2.3	1.1	3.3	4.5	2.0	1.0	2.5
Paper mills	262	5.3	7.6	2.5	1.5	5.1	7.1	2.4	1.4	4.7
Paperboard containers and boxes	265	4.9	9.3	3.2	1.5	6.1	8.1	2.8	1.3	5.3
Printing and publishing	27	55.4	7.4	3.8	1.9	3.6	6.3	3.3	1.8	3.1
Newspapers	271	12.6	10.9	4.8	3.0	6.1	9.6	4.3	2.7	5.3
Commercial printing	275	24.0	7.5	4.1	2.0	3.4	6.6	3.6	1.9	3.0
Chemicals and allied products	28	10.8	7.0	3.8	1.7	3.2	6.5	3.5	1.7	3.0
Rubber and miscellaneous plastics products	30	19.7	13.4	6.9	2.7	6.5	12.1	6.2	2.6	5.9
Miscellaneous plastics products, n.e.c.	308	16.6	13.7	6.9	2.7	6.8	12.5	6.2	2.5	6.3
Transportation and public utilities ^{8,9}		113.8	8.9	5.2	3.6	3.7	8.6	5.0	3.5	3.6
Railroad transportation ⁸	40	—	4.1	3.2	2.4	.9	4.1	3.2	2.4	.9
Local and interurban passenger transit	41	11.6	8.1	3.4	2.4	4.7	8.0	3.3	2.3	4.6
Trucking and warehousing ⁹	42	28.2	10.9	8.0	6.9	2.9	10.9	8.0	6.9	2.9
Transportation by air ⁹	45	29.0	15.4	9.1	4.6	6.4	14.8	8.6	4.5	6.1
Transportation services ⁹	47	8.6	2.7	1.6	1.4	1.1	2.5	1.5	1.4	.9
Communications	48	20.2	3.4	1.5	1.0	1.9	2.9	1.3	.9	1.6
Telephone communications	481	12.8	3.0	1.4	.9	1.7	2.3	1.1	.7	1.3
Electric, gas, and sanitary services	49	14.7	8.4	2.7	1.6	5.7	8.0	2.6	1.5	5.4
Electric services	491	8.1	9.6	2.7	1.6	6.9	9.0	2.5	1.3	6.6
Wholesale and retail trade		592.5	7.6	3.0	2.0	4.6	7.4	2.9	2.0	4.5
Wholesale trade		148.7	7.6	3.4	2.4	4.2	7.5	3.4	2.3	4.1
Wholesale trade--durable goods	50	88.3	5.8	2.6	1.9	3.3	5.7	2.6	1.9	3.2
Professional and commercial equipment	504	23.1	3.6	1.3	.9	2.3	3.3	1.3	.9	2.0
Machinery, equipment, and supplies	508	19.6	7.2	2.6	1.8	4.7	7.2	2.6	1.8	4.7
Wholesale trade--nondurable goods	51	60.5	10.4	4.7	3.1	5.6	10.1	4.6	3.1	5.5
Groceries and related products	514	18.3	11.4	2.3	—	9.1	11.3	—	—	9.1
Retail trade		443.8	7.6	2.8	1.9	4.8	7.3	2.7	1.8	4.6
Building materials and garden supplies	52	18.8	11.6	7.1	5.2	4.5	10.7	7.0	5.1	3.7
General merchandise stores	53	62.1	7.7	4.1	2.2	3.7	7.6	3.9	2.2	3.6
Department stores	531	55.7	8.2	4.2	2.5	4.0	8.1	4.1	2.4	4.0
Food stores	54	60.2	10.2	4.3	2.2	5.9	9.6	3.9	2.2	5.6
Grocery stores	541	52.2	10.6	4.5	2.2	6.1	9.9	4.1	2.2	5.8
Automotive dealers and service stations	55	50.0	8.8	3.1	2.1	5.7	8.8	3.0	2.0	5.7
New and used car dealers	551	19.2	13.8	4.3	2.6	9.5	13.6	4.1	2.5	9.5
Apparel and accessory stores	56	18.4	3.1	.8	.2	2.3	3.0	.8	.2	2.2
Furniture and home furnishings stores	57	21.3	7.1	3.6	3.3	3.5	6.7	3.3	2.9	3.4
Eating and drinking places	58	149.6	7.1	1.2	1.1	5.9	7.1	1.2	1.1	5.8
Miscellaneous retail	59	63.3	4.6	1.8	1.2	2.8	4.4	1.7	1.1	2.7
Finance, insurance, and real estate		141.4	2.5	.9	.5	1.6	2.0	.8	.5	1.3
Real estate	65	24.2	6.9	2.4	1.8	4.5	6.9	2.4	1.8	4.5

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	
Services		639.4	7.3	3.2	1.9	4.1	6.7	3.0	1.9	3.7
Hotels and other lodging places	70	27.5	12.1	7.1	3.3	5.0	12.0	7.1	3.3	4.9
Personal services	72	25.2	5.7	4.1	2.5	1.5	5.2	3.9	2.3	1.3
Business services	73	142.9	4.3	2.0	1.2	2.3	4.1	1.8	1.2	2.3
Auto repair, services, and parking	75	20.5	11.6	3.6	3.2	8.0	10.0	3.5	3.1	6.5
Miscellaneous repair services	76	5.7	9.2	4.5	3.9	4.7	9.1	4.5	3.9	4.6
Motion pictures	78	9.1	1.0	.1	.1	1.0	1.0	.1	.1	1.0
Amusement and recreation services	79	41.2	7.6	2.6	1.4	5.0	7.4	2.6	1.4	4.9
Miscellaneous amusement, recreation services	799	33.3	7.9	2.6	1.3	5.3	7.7	2.5	1.3	5.2
Health services	80	194.4	11.0	4.6	2.6	6.4	9.8	4.3	2.3	5.5
Nursing and personal care facilities	805	49.7	16.1	8.1	4.4	8.0	15.3	7.9	4.3	7.4
Hospitals	806	58.4	16.7	7.7	4.1	9.1	15.0	6.9	3.6	8.1
Home health care services	808	9.9	11.0	5.6	3.4	5.4	10.6	5.4	3.4	5.2
Educational services	82	22.9	4.4	1.6	1.4	2.8	4.1	1.6	1.4	2.5
Social services	83	63.0	9.2	4.5	3.4	4.7	9.1	4.4	3.4	4.7
Residential care	836	22.1	14.6	5.4	3.8	9.2	14.5	5.3	3.8	9.2
State and local government		294.5	7.7	2.3	1.8	5.4	7.2	2.1	1.7	5.1
State government		66.5	4.8	1.9	1.5	2.9	4.3	1.8	1.4	2.5
Construction		4.0	12.2	4.3	2.5	7.9	12.0	4.2	2.5	7.7
Services		39.3	4.6	1.8	1.5	2.7	4.2	1.8	1.5	2.4
Health services	80	9.2	11.7	6.3	5.4	5.4	11.0	6.1	5.2	4.9
Educational services	82	27.9	2.9	.7	.6	2.1	2.6	.7	.6	1.9
Public administration		22.8	4.1	1.7	1.2	2.4	3.3	1.4	1.1	1.9
Local government		228.0	8.6	2.4	1.9	6.2	8.2	2.3	1.8	5.9
Services		148.7	8.2	1.8	1.4	6.4	7.8	1.7	1.3	6.1
Health services	80	22.8	12.2	5.7	3.9	6.5	11.1	5.4	3.7	5.8
Hospitals	806	17.6	10.7	4.6	3.3	6.0	9.4	4.2	3.1	5.2
Educational services	82	119.8	7.6	1.1	1.0	6.5	7.3	1.1	1.0	6.3
Elementary and secondary schools	821	115.2	7.8	1.1	1.0	6.6	7.6	1.1	1.0	6.5
Public administration		70.9	8.3	3.1	2.3	5.2	7.8	2.9	2.2	4.8

¹ The 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 In 1996, air courier operations previously classified in Industry Groups 421, 422, 423, 452, 473, and 478 were reclassified to Industry Group 451. As a result, the 1996 estimates for these SIC's and Major Industry Groups 42, 45, and 47 are not comparable to those for prior years. In addition, the 1996 estimates for transportation and public utilities may have more variability than those for prior years.

NOTE: Because of rounding, components may not add to totals. n.e.c. = not elsewhere classified.

— 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.