

TABLE 6. Incidence rates¹ of nonfatal occupational injuries and illnesses by industry and selected case types, 1997

Massachusetts

Industry ²	SIC code ³	1997 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	
Private industry⁷		2,657.6	5.7	2.9	2.2	2.8	5.4	2.8	2.1	2.6
Agriculture, forestry, and fishing⁷		20.7	10.7	6.2	3.1	4.5	10.2	—	3.1	4.0
Agricultural production ⁷	01-02	3.9	11.4	4.5	4.0	6.9	11.1	4.3	3.8	6.8
Mining⁸		1.3	3.1	1.8	1.6	1.3	3.0	1.7	1.6	1.3
Nonmetallic minerals, except fuels ⁸	14	1.3	3.1	1.8	1.6	1.3	3.0	1.7	1.6	1.3
Construction		99.9	10.3	5.2	4.6	5.1	10.3	5.2	4.6	5.1
General building contractors	15	22.9	7.4	3.3	2.9	4.1	7.4	3.3	2.9	4.1
Nonresidential building construction	154	8.7	8.8	3.7	3.3	5.1	8.8	3.7	3.3	5.1
Heavy construction, except building	16	11.7	9.4	6.0	3.4	3.4	9.4	5.9	3.4	3.4
Special trade contractors	17	65.4	11.5	5.7	5.4	5.8	11.4	5.7	5.3	5.7
Plumbing, heating, air-conditioning	171	15.1	9.7	4.5	4.0	5.2	9.7	4.5	4.0	5.2
Electrical work	173	15.1	17.3	7.9	7.8	9.4	17.1	7.9	7.8	9.2
Masonry, stonework, and plastering	174	6.2	11.1	5.8	5.5	5.3	10.6	5.4	5.1	5.2
Miscellaneous special trade contractors	179	13.2	10.3	5.0	3.9	5.3	10.2	4.9	3.9	5.3
Manufacturing		446.6	7.1	3.6	2.3	3.5	6.6	3.4	2.2	3.2
Durable goods		279.7	6.8	3.3	2.1	3.5	6.2	3.1	2.0	3.1
Lumber and wood products	24	4.1	9.9	6.8	4.7	3.1	9.8	6.7	4.7	3.1
Furniture and fixtures	25	4.6	16.7	11.7	5.7	5.0	16.6	11.6	5.6	4.9
Stone, clay, and glass products	32	8.4	9.8	5.5	2.9	4.3	9.6	5.5	2.9	4.1
Primary metal industries	33	10.4	10.3	6.5	4.4	3.8	9.7	6.3	4.2	3.4
Fabricated metal products	34	37.0	11.4	4.8	3.3	6.5	10.5	4.6	3.2	5.9
Cutlery, handtools, and hardware	342	8.3	7.8	4.5	3.6	3.2	7.0	4.2	3.4	2.9
Fabricated structural metal products	344	8.2	15.8	5.2	3.9	10.6	14.1	5.1	3.8	9.0
Miscellaneous fabricated metal products	349	4.7	10.0	5.0	3.1	4.9	9.2	4.8	3.1	4.4
Industrial machinery and equipment	35	64.4	5.0	2.0	1.4	3.1	4.7	1.9	1.4	2.8
Metalworking machinery	354	8.5	8.8	2.9	2.0	5.9	8.4	2.8	1.9	5.6
Special industry machinery	355	8.9	5.3	2.2	1.7	3.1	5.1	2.0	1.6	3.1
General industrial machinery	356	6.8	9.2	3.4	2.7	5.8	8.9	3.3	2.6	5.5
Computer and office equipment	357	26.3	1.6	.6	.5	1.1	1.2	.6	.5	.6
Industrial machinery, n.e.c.	359	9.8	5.6	2.1	1.6	3.4	5.6	2.1	1.6	3.4
Electronic and other electric equipment	36	62.2	6.0	2.6	1.9	3.3	5.2	2.4	1.8	2.8
Electric lighting and wiring equipment	364	5.5	5.2	3.9	2.1	1.3	4.7	3.4	2.1	1.3
Communications equipment	366	14.9	4.5	2.5	1.5	2.1	4.1	2.2	1.5	1.9
Telephone and telegraph apparatus	3661	11.5	1.7	1.0	.5	.7	1.2	.7	.3	.5
Electronic components and accessories	367	28.5	4.1	2.0	1.4	2.2	3.5	1.8	1.3	1.7
Semiconductors and related devices	3674	11.6	2.7	1.4	1.1	1.4	1.6	1.1	.9	.5
Electronic components, n.e.c.	3679	6.4	5.9	2.3	1.7	3.6	5.5	2.1	1.6	3.4
Transportation equipment	37	19.2	7.0	3.6	2.0	3.4	6.0	3.3	1.9	2.7
Instruments and related products	38	53.5	4.5	2.1	1.3	2.4	4.1	1.9	1.2	2.1
Measuring and controlling devices	382	23.7	5.0	2.2	1.7	2.8	4.7	2.1	1.7	2.6
Process control instruments	3823	6.9	1.9	1.1	.8	.8	1.8	1.0	.8	.8
Medical instruments and supplies	384	15.0	4.3	1.7	1.0	2.6	3.9	1.4	.9	2.5
Surgical and medical instruments	3841	10.4	3.7	2.0	1.1	1.7	3.2	1.6	.9	1.5
Miscellaneous manufacturing industries	39	16.0	6.0	3.7	2.3	—	5.1	3.1	2.2	—
Toys and sporting goods	394	6.1	5.4	3.8	2.1	1.6	—	2.8	1.7	1.3
Nondurable goods		166.9	7.7	4.3	2.6	3.4	7.3	4.1	2.5	3.2
Food and kindred products	20	21.6	11.8	6.4	4.7	5.4	11.3	6.2	4.6	5.1
Textile mill products	22	14.5	9.0	5.1	3.7	3.9	8.2	4.6	3.3	3.5
Apparel and other textile products	23	14.1	7.3	4.1	2.1	3.2	6.9	3.9	2.0	3.0

See footnotes at end of table.

TABLE 6. Incidence rates¹ of nonfatal occupational injuries and illnesses by industry and selected case types, 1997— Continued

Massachusetts

Industry ²	SIC code ³	1997 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	
Paper and allied products	26	19.2	10.0	6.9	2.9	3.1	9.5	6.7	2.8	2.9
Miscellaneous converted paper products	267	8.9	9.5	7.3	2.3	2.3	8.8	6.9	2.3	2.0
Printing and publishing	27	48.5	4.4	2.2	1.7	2.2	4.1	2.1	1.6	2.0
Newspapers	271	14.2	6.2	2.6	2.3	3.6	6.1	2.6	2.3	3.5
Books	273	5.8	3.5	1.8	1.2	1.7	2.8	1.8	1.2	1.0
Commercial printing	275	15.6	4.0	2.2	1.7	1.8	3.7	2.2	1.7	1.5
Commercial printing, lithographic	2752	8.1	4.9	2.8	2.0	2.1	4.6	2.8	1.9	1.8
Chemicals and allied products	28	17.4	5.5	2.0	1.1	3.4	4.9	1.9	1.0	3.0
Rubber and miscellaneous plastics products	30	26.2	9.5	5.4	3.0	4.1	9.0	5.1	2.8	4.0
Miscellaneous plastics products, n.e.c.	308	20.2	8.6	4.7	2.8	3.9	8.2	4.3	2.6	3.8
Plastics products, n.e.c.	3089	11.7	9.7	5.1	3.1	4.6	9.3	4.7	2.9	4.6
Leather and leather products	31	3.8	6.7	3.7	2.2	3.1	6.6	3.7	2.2	3.0
Transportation and public utilities⁸		129.8	8.9	5.6	4.3	3.3	8.8	5.6	4.2	3.2
Railroad transportation ⁸	40	—	5.0	4.0	3.9	1.0	4.9	3.9	3.8	1.0
Local and interurban passenger transit	41	20.2	6.4	4.3	3.9	2.1	6.4	4.2	3.9	2.1
Trucking and warehousing	42	22.4	10.8	4.0	3.5	6.7	10.5	4.0	3.5	6.4
Trucking and courier services, except air	421	19.7	10.3	3.8	3.4	6.6	10.3	3.8	3.4	6.6
Transportation services	47	11.0	4.9	1.5	1.3	—	—	1.5	1.3	—
Communications	48	30.7	3.3	1.8	1.5	1.6	3.0	1.7	1.4	1.4
Electric, gas, and sanitary services	49	20.4	8.0	5.3	2.6	2.6	7.8	5.3	2.6	2.5
Electric services	491	9.8	5.2	4.1	1.2	1.1	5.1	4.1	1.2	1.0
Wholesale and retail trade		707.2	5.6	2.7	2.2	2.9	5.4	2.7	2.2	2.8
Wholesale trade		170.5	5.3	2.8	1.9	2.5	5.1	2.7	1.9	2.4
Wholesale trade—durable goods	50	102.8	3.3	1.5	1.1	1.8	3.2	1.5	1.1	1.6
Wholesale trade—nondurable goods	51	67.7	8.4	4.7	3.1	3.7	8.2	4.6	3.0	3.6
Groceries and related products	514	22.7	10.4	5.5	3.7	4.9	10.0	5.5	3.7	4.5
Retail trade		536.7	5.7	2.7	2.3	3.0	5.6	2.6	2.3	3.0
Building materials and garden supplies	52	18.0	6.8	3.3	2.6	3.5	6.8	3.3	2.6	3.5
General merchandise stores	53	43.0	8.3	4.3	3.8	4.0	8.3	4.3	3.8	4.0
Food stores	54	97.0	8.0	4.0	3.6	4.0	7.5	3.6	3.4	3.9
Automotive dealers and service stations	55	43.9	4.8	2.2	1.8	2.5	4.7	2.2	1.7	2.5
Apparel and accessory stores	56	37.2	4.4	1.9	1.5	2.6	4.4	1.8	1.5	2.6
Furniture and homefurnishings stores	57	22.8	5.7	3.1	2.3	2.7	5.4	3.0	2.2	2.4
Eating and drinking places	58	189.4	5.3	2.3	2.1	3.0	5.3	2.3	2.1	3.0
Miscellaneous retail	59	85.3	4.0	1.9	1.5	2.1	3.9	1.9	1.5	2.0
Finance, insurance, and real estate		208.8	1.6	.6	.5	1.0	1.5	.6	.5	.9
Depository institutions	60	58.0	1.7	.8	—	.8	1.6	—	—	.8
Security and commodity brokers	62	41.9	.2	.1	.1	(⁹)	.2	.1	.1	(⁹)
Insurance carriers	63	45.8	2.1	.5	.4	1.7	1.7	.4	.4	1.3
Insurance agents, brokers, and service	64	20.6	.4	.2	.2	.3	.4	.2	.2	.3
Real estate	65	29.6	4.4	1.9	1.7	2.6	4.4	1.9	1.7	2.5
Services		1,043.4	4.8	2.5	1.9	2.4	4.6	2.4	1.9	2.2
Hotels and other lodging places	70	32.5	7.6	3.4	2.9	4.2	7.3	3.4	2.9	3.9
Personal services	72	30.7	1.7	1.0	.9	.7	1.7	1.0	.9	.7
Business services	73	224.9	3.5	1.7	1.5	1.8	3.3	1.6	1.4	1.7
Auto repair, services, and parking	75	26.6	3.7	1.9	1.6	1.8	3.6	1.8	1.5	1.8
Miscellaneous repair services	76	8.0	4.9	2.7	1.9	2.3	4.8	2.6	1.9	2.1
Motion pictures	78	9.9	1.9	1.3	1.3	.6	—	1.3	1.3	.6
Amusement and recreation services	79	30.8	5.9	2.4	2.4	3.4	5.4	2.4	2.4	2.9

See footnotes at end of table.

TABLE 6. Incidence rates¹ of nonfatal occupational injuries and illnesses by industry and selected case types, 1997— Continued

Massachusetts

Industry ²	SIC code ³	1997 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	
Health services	80	327.6	8.8	4.7	3.5	4.0	8.4	4.6	3.4	3.8
Nursing and personal care facilities	805	67.9	17.7	10.5	7.4	7.2	17.6	10.4	7.3	7.2
Hospitals	806	130.9	9.2	4.6	3.3	4.6	8.3	4.3	3.1	4.0
Home health care services	808	30.9	11.3	7.0	5.3	4.3	11.3	7.0	5.3	4.3
Legal services	81	27.7	.4	.2	.2	.2	.4	.2	.2	.2
Educational services	82	100.3	2.7	1.5	1.2	1.2	2.6	1.4	1.1	1.1
Social services	83	80.9	5.2	2.4	1.8	2.8	5.1	2.3	1.8	2.8
Engineering and management services	87	115.3	1.5	.6	.5	.9	1.3	.5	.5	.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 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