

Table 6. Incidence rates¹ of nonfatal occupational injuries and illnesses by industry and selected case types, 1999

Massachusetts

Industry ²	SIC code ³	1999 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		2,787.3	5.8	2.9	2.1	2.9	5.5	2.8	2.0	2.8
Agriculture, forestry, and fishing⁷		23.0	11.6	4.9	4.3	6.7	11.2	4.9	4.2	6.3
Agricultural production ⁷	01-02	3.9	11.3	4.6	3.5	6.7	11.3	4.6	3.5	6.7
Mining⁸		1.4	4.2	3.0	2.1	1.2	4.1	2.9	2.0	1.2
Nonmetallic minerals, except fuels ⁸	14	1.4	4.2	3.0	2.1	1.2	4.1	2.9	2.0	1.2
Construction		119.2	9.5	4.0	3.6	5.5	9.2	3.9	3.6	5.3
General building contractors	15	26.4	8.8	3.5	2.7	5.3	8.6	3.3	2.5	5.3
Nonresidential building construction	154	9.3	8.6	3.7	3.6	5.0	8.6	3.7	3.6	5.0
Heavy construction, except building	16	15.1	10.2	4.0	3.9	6.3	10.2	4.0	3.9	6.2
Special trade contractors	17	77.7	9.6	4.2	3.9	5.4	9.2	4.2	3.9	5.1
Plumbing, heating, air-conditioning	171	17.6	8.9	3.8	3.6	5.1	8.5	3.8	3.6	4.7
Electrical work	173	18.2	7.3	3.3	3.1	4.0	6.7	3.3	3.1	3.5
Masonry, stonework, and plastering	174	7.7	10.5	5.2	5.2	5.2	9.4	5.1	5.1	4.3
Miscellaneous special trade contractors	179	16.0	12.0	3.9	3.5	8.1	11.6	3.9	3.5	7.6
Manufacturing		433.7	6.3	3.5	2.1	2.8	5.8	3.2	2.0	2.6
Durable goods		269.2	5.7	3.0	1.8	2.8	5.3	2.7	1.7	2.6
Lumber and wood products	24	4.2	7.9	3.6	3.0	4.3	7.7	3.4	2.9	4.3
Furniture and fixtures	25	4.7	19.2	11.3	4.3	7.9	16.9	10.2	4.1	6.7
Stone, clay, and glass products	32	9.0	9.6	8.1	5.7	1.5	8.9	7.5	5.2	1.4
Primary metal industries	33	9.8	11.6	7.0	3.8	4.6	11.1	6.9	3.8	4.2
Fabricated metal products	34	35.0	10.1	4.8	2.6	5.3	9.3	4.5	2.4	4.9
Cutlery, handtools, and hardware	342	7.8	10.2	5.1	3.5	5.1	9.7	4.9	3.3	4.9
Fabricated structural metal products	344	7.9	12.2	5.9	3.5	6.3	11.6	5.8	3.4	5.9
Miscellaneous fabricated metal products	349	4.5	13.8	7.5	3.4	6.2	13.2	--	3.3	5.8
Industrial machinery and equipment	35	60.7	4.9	2.3	1.5	2.6	4.7	2.2	1.5	2.5
Metalworking machinery	354	8.2	6.5	1.9	1.4	4.6	6.2	1.8	1.3	4.4
Special industry machinery	355	7.3	8.5	5.4	3.8	3.0	8.5	5.4	3.8	3.0
General industrial machinery	356	6.9	5.0	2.9	1.3	2.1	4.4	2.5	1.3	1.9
Computer and office equipment	357	24.2	1.3	0.8	0.6	0.5	1.2	0.8	0.5	0.4
Industrial machinery, n.e.c.	359	10.3	5.9	1.8	1.7	4.1	5.7	1.8	1.6	3.9
Electronic and other electric equipment	36	61.2	3.5	1.7	1.1	1.8	3.0	1.4	0.9	1.6
Communications equipment	366	16.0	1.9	0.9	0.5	1.0	1.6	0.7	0.4	0.9
Telephone and telegraph apparatus	3661	12.1	2.3	1.1	0.6	1.2	1.8	0.8	0.5	1.1
Electronic components and accessories	367	26.5	3.5	1.6	1.0	1.9	3.1	1.3	0.9	1.7
Semiconductors and related devices	3674	10.0	3.0	1.3	0.8	1.7	2.2	1.0	0.6	1.2
Electronic components, n.e.c.	3679	6.6	3.7	1.6	1.1	2.0	3.6	1.6	1.1	2.0
Transportation equipment	37	18.2	5.5	2.5	1.5	3.0	5.1	2.3	1.4	2.7
Guided missiles, space vehicles, parts	376	--	2.4	1.0	0.8	1.4	2.0	1.0	0.7	1.0
Measuring and controlling devices	382	22.9	2.4	1.2	0.9	1.2	2.2	1.1	0.9	1.1
Process control instruments	3823	6.8	2.0	1.3	1.1	0.7	1.9	1.3	1.0	0.7
Surgical and medical instruments	3841	10.5	3.1	1.5	1.1	1.5	2.6	1.2	1.0	1.4
Photographic equipment and supplies	386	--	5.1	1.9	1.6	3.1	--	1.8	1.5	2.7
Miscellaneous manufacturing industries	39	16.3	6.1	3.3	1.6	2.8	5.3	2.6	1.4	2.7
Toys and sporting goods	394	6.1	3.9	2.7	0.9	1.2	2.9	1.9	0.8	1.0

See footnotes at end of table.

Table 6. Incidence rates¹ of nonfatal occupational injuries and illnesses by industry and selected case types, 1999 -- Continued

Massachusetts

Industry ²	SIC code ³	1999 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	
Nondurable goods		164.5	7.2	4.3	2.7	2.9	6.7	4.1	2.6	2.7
Food and kindred products	20	22.0	12.5	7.3	4.9	5.2	12.0	7.2	4.9	4.8
Textile mill products	22	13.1	8.0	5.0	2.3	3.0	7.8	5.0	2.3	2.7
Apparel and other textile products	23	11.4	5.1	3.2	2.5	1.9	4.5	2.7	2.1	1.8
Paper and allied products	26	19.3	8.3	4.9	2.8	3.4	7.8	4.6	2.7	3.2
Miscellaneous converted paper products	267	9.7	8.3	4.5	2.3	3.8	7.7	4.0	2.1	3.8
Printing and publishing	27	49.9	4.8	2.4	1.9	2.4	4.7	2.4	1.9	2.3
Newspapers	271	13.9	7.1	4.2	4.1	2.9	6.8	4.1	4.0	2.7
Books	273	5.7	4.1	2.2	1.5	1.9	3.7	2.1	1.4	1.7
Commercial printing	275	16.3	6.1	2.8	1.7	3.3	6.0	2.7	1.7	3.3
Commercial printing, lithographic	2752	8.3	7.0	2.6	1.3	4.4	7.0	2.6	1.3	4.4
Chemicals and allied products	28	18.1	2.9	1.8	0.9	1.1	2.5	1.5	0.7	1.0
Rubber and miscellaneous plastics products	30	26.9	9.3	6.1	3.4	3.2	8.6	5.8	3.2	2.8
Miscellaneous plastics products, n.e.c.	308	20.5	8.9	6.0	3.5	2.9	8.3	5.7	3.3	2.7
Plastics products, n.e.c.	3089	12.8	8.1	5.2	3.0	2.8	7.5	4.8	2.8	2.6
Transportation and public utilities⁸		136.5	8.1	5.5	4.1	2.6	8.0	5.4	4.0	2.6
Railroad transportation ⁸	40	--	5.4	4.1	3.9	1.3	5.3	4.0	3.9	1.3
Local and interurban passenger transit	41	22.4	12.8	4.8	3.0	--	12.8	4.8	2.9	--
Trucking and warehousing	42	24.4	8.6	5.5	4.0	3.1	8.5	5.4	4.0	3.1
Trucking and courier services, except air	421	21.5	8.3	5.3	4.1	3.0	8.2	5.3	4.0	3.0
Transportation services	47	10.8	2.4	1.6	1.6	0.7	--	1.6	1.6	0.7
Communications	48	33.1	3.0	1.9	1.6	1.1	2.9	1.9	1.6	1.0
Electric, gas, and sanitary services	49	18.1	7.1	4.7	1.9	2.3	6.7	4.6	1.7	2.2
Electric services	491	8.9	4.7	3.6	0.7	1.1	4.5	3.5	0.7	1.0
Wholesale and retail trade		737.3	6.6	3.0	2.2	3.6	6.5	2.9	2.2	3.6
Wholesale trade		176.6	6.1	3.7	2.5	2.5	5.9	3.6	2.4	2.3
Wholesale trade--durable goods	50	106.6	4.3	2.5	1.9	1.8	4.1	2.4	1.8	1.6
Wholesale trade--nondurable goods	51	70.0	9.1	5.6	3.5	3.6	8.9	5.4	3.4	3.5
Groceries and related products	514	23.8	12.6	8.9	5.5	3.7	12.5	8.8	5.5	3.7
Retail trade		560.7	6.8	2.7	2.1	4.1	6.7	2.6	2.0	4.1
Building materials and garden supplies	52	20.0	7.8	3.1	2.4	4.7	7.7	3.1	2.4	4.6
General merchandise stores	53	43.9	8.6	3.9	2.8	4.7	8.6	3.9	2.8	4.7
Food stores	54	98.0	11.6	4.2	3.2	7.4	11.4	4.1	3.2	7.3
Automotive dealers and service stations	55	45.2	4.9	1.8	1.4	3.1	4.9	1.8	1.4	3.1
Apparel and accessory stores	56	39.9	3.5	1.1	0.9	2.4	3.3	1.1	0.8	2.2
Furniture and homefurnishings stores	57	24.6	4.7	2.8	2.1	1.9	4.6	2.7	2.1	1.9
Eating and drinking places	58	197.7	6.5	2.3	1.9	4.2	6.5	2.3	1.9	4.2
Miscellaneous retail	59	91.4	4.8	2.3	1.6	2.5	4.8	2.3	1.6	2.5
Finance, insurance, and real estate		222.2	1.7	0.6	0.5	1.2	1.6	0.5	0.4	1.1
Depository institutions	60	61.8	1.6	0.4	0.3	1.2	1.6	0.4	0.3	1.2

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Security and commodity brokers	62	47.4	0.5	0.2	0.2	0.3	0.5	0.2	0.2	0.3
Insurance carriers	63	46.5	1.9	0.6	0.5	1.3	1.6	0.5	0.5	1.1
Insurance agents, brokers, and service	64	20.2	1.0	0.2	0.2	0.8	1.0	0.2	0.2	0.8
Real estate	65	31.2	5.0	2.0	1.6	3.1	4.7	1.9	1.6	2.9
Services		1,114.1	5.0	2.4	1.8	2.6	4.8	2.4	1.8	2.4
Hotels and other lodging places	70	34.9	9.7	4.7	3.0	5.0	9.6	4.6	3.0	5.0
Personal services	72	32.2	2.5	0.9	0.7	1.6	2.4	0.9	0.7	1.5
Business services	73	253.7	3.5	1.5	1.4	--	3.4	1.5	1.4	--
Auto repair, services, and parking	75	27.7	4.6	1.7	1.4	2.9	4.5	1.6	1.3	2.9
Miscellaneous repair services	76	7.8	5.2	2.8	2.2	2.4	5.0	2.8	2.2	2.2
Motion pictures	78	9.9	7.1	1.0	1.0	--	--	1.0	1.0	--
Amusement and recreation services	79	33.3	4.9	1.8	1.4	3.1	4.8	1.7	1.3	3.1
Health services	80	324.2	8.5	5.0	3.3	3.5	8.2	4.9	3.3	3.3
Nursing and personal care facilities	805	65.3	13.7	11.3	5.7	--	13.4	11.2	5.6	--
Hospitals	806	136.4	8.9	4.2	3.5	4.7	8.4	4.0	3.4	4.4
Home health care services	808	22.4	12.0	5.1	3.8	6.9	11.9	5.1	3.8	6.8
Legal services	81	29.6	0.6	0.3	0.3	0.3	0.5	0.2	0.2	0.3
Educational services	82	105.2	3.0	1.0	0.9	1.9	2.4	1.0	0.9	1.4
Social services	83	85.7	5.4	1.9	1.6	3.5	5.4	1.8	1.5	3.5
Engineering and management services	87	125.5	1.6	0.6	0.5	1.1	1.2	0.5	0.4	0.7

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).

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.

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.

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.

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.