

Table 6. Incidence rates¹ of nonfatal occupational injuries and illnesses by industry and case types, 2007

Massachusetts

Industry ²	NAICS code ³	2007 Average annual employment ⁴ (000's)	Total recordable cases	Cases with days away from work, job transfer, or restriction			Other recordable cases
				Total	Cases with days away from work ⁵	Cases with job transfer or restriction	
Private industry⁶		2,824.3	4.0	2.1	1.6	0.5	1.9
Goods producing⁶		445.6	4.5	2.6	1.9	0.7	1.9
Natural resources and mining^{6,7}		7.2	4.9	3.5	2.2	1.3	1.4
Agriculture, forestry, fishing and hunting⁶	11	5.6	5.4	3.9	2.4	1.5	1.6
Crop production ⁶	111	2.2	7.9	5.5	3.8	1.7	2.4
Mining⁷	21	1.6	2.7	1.9	1.4	(¹⁰)	(¹⁰)
Mining (except oil and gas) ⁸	212	1.5	2.8	2.0	1.4	(¹⁰)	(¹⁰)
Nonmetallic mineral mining and quarrying ⁸	2123	--	2.8	2.0	1.4	(¹⁰)	(¹⁰)
Construction		140.9	6.1	3.3	2.9	0.4	2.8
Construction	23	140.9	6.1	3.3	2.9	0.4	2.8
Construction of buildings	236	32.7	6.1	2.9	2.6	0.3	3.2
Residential building construction	2361	19.6	6.9	3.2	3.2	(¹⁰)	3.7
Nonresidential building construction	2362	13.1	4.9	2.5	1.7	0.8	2.4
Heavy and civil engineering construction	237	12.4	5.0	3.0	2.5	0.5	2.0
Specialty trade contractors	238	95.7	6.3	3.5	3.1	0.4	2.8
Foundation, structure, and building exterior contractors	2381	14.9	5.8	3.3	3.1	--	2.4
Poured concrete foundation and structure contractors	23811	2.3	3.6	2.6	2.4	(¹⁰)	0.9
Structural steel and precast concrete contractors	23812	1.5	12.2	4.6	4.6	(¹⁰)	7.6
Masonry contractors	23814	3.6	3.7	2.9	2.9	(¹⁰)	0.8
Roofing contractors	23816	3.0	9.8	7.3	6.5	--	--
Building equipment contractors	2382	45.1	7.3	4.1	3.5	--	3.2
Electrical contractors	23821	20.6	6.7	3.4	3.1	0.3	3.2
Plumbing, heating, and air-conditioning contractors	23822	22.2	8.2	4.9	4.1	--	3.3
Other building equipment contractors	23829	2.3	5.2	2.9	2.3	(¹⁰)	2.4
Building finishing contractors	2383	21.3	5.3	3.5	3.4	(¹⁰)	1.9

See footnotes at end of table.

Table 6. Incidence rates¹ of nonfatal occupational injuries and illnesses by industry and case types, 2007 -- Continued

Massachusetts

Industry ²	NAICS code ³	2007 Average annual employment ⁴ (000's)	Total recordable cases	Cases with days away from work, job transfer, or restriction			Other recordable cases
				Total	Cases with days away from work ⁵	Cases with job transfer or restriction	
Drywall and insulation contractors	23831	6.2	7.6	3.5	3.3	(¹⁰)	4.1
Painting and wall covering contractors	23832	4.7	1.6	1.3	1.3	(¹⁰)	(¹⁰)
Flooring contractors	23833	2.2	9.8	5.9	5.9	(¹⁰)	3.9
Other specialty trade contractors	2389	14.4	4.8	1.6	1.1	0.5	3.2
Manufacturing		297.6	3.8	2.2	1.5	0.8	1.6
Manufacturing	31-33	297.6	3.8	2.2	1.5	0.8	1.6
Food manufacturing	311	22.5	5.1	3.3	2.0	1.3	1.8
Beverage and tobacco product manufacturing	312	2.6	13.0	9.6	7.0	2.6	3.3
Textile mills	313	5.7	8.6	4.8	3.3	1.5	3.7
Textile product mills	314	3.0	5.7	3.8	1.3	2.4	1.9
Apparel manufacturing	315	3.5	1.3	0.8	(¹⁰)	0.5	0.4
Leather and allied product manufacturing	316	1.7	3.9	2.4	1.5	(¹⁰)	1.5
Wood product manufacturing	321	3.2	7.5	5.4	4.1	1.3	2.1
Paper manufacturing	322	12.7	5.0	3.4	2.0	1.3	1.6
Pulp, paper, and paperboard mills	3221	3.1	5.2	3.8	2.7	1.1	1.4
Converted paper product manufacturing	3222	9.6	4.9	3.2	1.8	1.4	1.7
Printing and related support activities	323	16.1	3.0	1.5	1.1	0.4	1.5
Printing	32311	14.4	3.3	1.6	1.2	0.5	1.7
Chemical manufacturing	325	18.1	2.9	1.9	1.4	0.5	1.0
Pharmaceutical and medicine manufacturing	3254	8.8	1.4	1.3	1.1	(¹⁰)	(¹⁰)
Plastics and rubber products manufacturing	326	14.0	4.5	2.6	1.8	0.8	--
Plastics product manufacturing	3261	12.9	4.4	2.5	1.8	0.7	--
Other plastics product manufacturing	32619	7.8	4.3	1.8	1.4	0.4	--
Rubber product manufacturing	3262	1.1	5.5	3.8	2.1	1.7	1.7
Nonmetallic mineral product manufacturing	327	6.8	7.1	4.6	2.5	2.1	2.5
Primary metal manufacturing	331	5.0	5.9	3.5	2.2	1.4	2.4
Fabricated metal product manufacturing	332	34.9	5.9	2.9	1.8	1.0	3.0
Cutlery and handtool manufacturing	3322	5.0	4.6	2.2	1.4	0.8	2.3
Architectural and structural metals manufacturing	3323	6.3	9.6	5.0	3.1	1.9	4.6
Machine shops; turned product; and screw, nut, and bolt manufacturing	3327	10.7	4.2	0.6	--	--	3.6
Coating, engraving, heat treating, and allied activities	3328	4.3	--	5.2	3.5	1.6	1.1
Machinery manufacturing	333	20.6	4.7	2.8	1.7	1.0	1.9
Industrial machinery manufacturing	3332	6.0	3.7	1.6	1.3	0.3	2.1

See footnotes at end of table.

Table 6. Incidence rates¹ of nonfatal occupational injuries and illnesses by industry and case types, 2007 -- Continued

Massachusetts

Industry ²	NAICS code ³	2007 Average annual employment ⁴ (000's)	Total recordable cases	Cases with days away from work, job transfer, or restriction			Other recordable cases
				Total	Cases with days away from work ⁵	Cases with job transfer or restriction	
Commercial and service industry machinery manufacturing	3333	3.3	3.9	2.4	1.1	1.3	1.5
Metalworking machinery manufacturing	3335	3.6	4.3	1.7	0.9	0.8	2.6
Other general purpose machinery manufacturing	3339	4.5	4.8	3.6	2.7	0.9	1.2
Computer and electronic product manufacturing	334	71.4	1.2	0.7	0.5	0.2	0.6
Computer and peripheral equipment manufacturing	3341	14.3	0.4	0.1	0.1	(¹⁰)	0.3
Communications equipment manufacturing	3342	5.8	1.2	0.8	0.6	(¹⁰)	0.4
Audio and video equipment manufacturing	3343	3.8	(¹⁰)	(¹⁰)	(¹⁰)	(¹⁰)	(¹⁰)
Semiconductor and other electronic component manufacturing	3344	19.3	1.7	1.0	0.7	0.3	0.7
Navigational, measuring, electromedical, and control instruments manufacturing	3345	27.9	1.5	0.7	0.5	0.2	0.8
Navigational, measuring, electromedical, and control instruments manufacturing	33451	27.9	1.5	0.7	0.5	0.2	0.8
Electromedical and electrotherapeutic apparatus manufacturing	334510	4.4	2.4	0.7	0.4	(¹⁰)	1.6
Search, detection, navigation, guidance, aeronautical, and nautical system and instrument manufacturing	334511	5.4	0.8	0.6	0.4	(¹⁰)	(¹⁰)
Instruments and related products manufacturing for measuring, displaying, and controlling industrial process variables	334513	4.9	1.6	0.9	0.5	0.3	0.7
Instrument manufacturing for measuring and testing electricity and electrical signals	334515	2.6	(¹⁰)	(¹⁰)	(¹⁰)	(¹⁰)	(¹⁰)
Analytical laboratory instrument manufacturing	334516	5.5	1.3	0.8	0.6	(¹⁰)	0.5
Manufacturing and reproducing magnetic and optical media	3346	0.4	(¹⁰)	(¹⁰)	(¹⁰)	(¹⁰)	(¹⁰)
Electrical equipment, appliance, and component manufacturing	335	11.7	3.3	2.0	1.3	0.7	1.3
Electrical equipment manufacturing	3353	4.4	1.3	0.8	0.6	(¹⁰)	0.5
Transportation equipment manufacturing	336	14.3	3.1	1.6	1.3	0.3	1.5
Aerospace product and parts manufacturing	3364	11.9	2.7	1.3	1.0	0.2	1.4
Furniture and related product manufacturing	337	5.6	6.0	2.7	1.9	0.8	3.3
Miscellaneous manufacturing	339	23.0	3.4	2.2	1.3	0.9	1.2
Medical equipment and supplies manufacturing	3391	11.6	2.0	1.2	0.7	0.5	0.8
Medical equipment and supplies manufacturing	33911	11.6	2.0	1.2	0.7	0.5	0.8
Surgical and medical instrument manufacturing	339112	6.4	1.9	0.9	0.4	0.4	1.1
Other miscellaneous manufacturing	3399	11.4	4.8	3.2	2.0	1.2	1.6
Service providing		2,378.7	3.9	2.0	1.6	0.4	1.9
Trade, transportation, and utilities⁹		571.3	5.1	2.9	2.3	0.6	2.2
Wholesale trade	42	139.2	2.9	2.1	1.7	0.4	0.9

See footnotes at end of table.

Table 6. Incidence rates¹ of nonfatal occupational injuries and illnesses by industry and case types, 2007 -- Continued

Massachusetts

Industry ²	NAICS code ³	2007 Average annual employment ⁴ (000's)	Total recordable cases	Cases with days away from work, job transfer, or restriction			Other recordable cases
				Total	Cases with days away from work ⁵	Cases with job transfer or restriction	
Merchant wholesalers, durable goods	423	62.8	1.9	1.1	1.1	0.1	0.8
Professional and commercial equipment and supplies merchant wholesalers	4234	20.7	0.9	0.9	0.9	--	(¹⁰)
Machinery, equipment, and supplies merchant wholesalers	4238	9.0	3.1	2.1	2.1	(¹⁰)	--
Merchant wholesalers, nondurable goods	424	49.3	4.7	3.4	2.5	0.9	1.4
Drugs and druggists' sundries merchant wholesalers	4242	5.4	2.8	2.2	1.9	(¹⁰)	0.6
Apparel, piece goods, and notions merchant wholesalers	4243	6.8	2.1	1.6	0.7	0.9	0.5
Grocery and related product merchant wholesalers	4244	18.0	6.0	4.5	3.5	1.1	1.5
Beer, wine, and distilled alcoholic beverage merchant wholesalers	4248	3.7	11.8	7.8	6.3	1.5	3.9
Miscellaneous nondurable goods merchant wholesalers	4249	6.7	2.5	1.7	1.1	0.6	0.8
Retail trade	44-45	350.9	5.5	2.5	2.1	0.4	3.0
Motor vehicle and parts dealers	441	36.5	5.3	2.7	2.6	0.1	2.7
Furniture and home furnishings stores	442	13.2	3.2	1.7	1.4	0.3	1.5
Electronics and appliance stores	443	12.9	1.4	0.6	0.4	(¹⁰)	0.8
Building material and garden equipment and supplies dealers	444	27.9	4.9	2.9	1.7	1.2	2.0
Food and beverage stores	445	88.9	7.6	3.6	3.4	--	4.0
Grocery stores	4451	73.8	8.7	4.3	4.1	--	4.4
Supermarkets and other grocery (except convenience) stores	44511	66.9	9.7	4.8	4.5	--	4.9
Specialty food stores	4452	6.6	4.1	0.8	0.8	(¹⁰)	3.4
Beer, wine, and liquor stores	4453	8.5	(¹⁰)	(¹⁰)	(¹⁰)	(¹⁰)	(¹⁰)
Health and personal care stores	446	27.1	2.1	0.6	0.4	--	1.5
Clothing and clothing accessories stores	448	40.5	3.2	0.8	0.8	0.1	2.4
General merchandise stores	452	42.3	6.8	4.1	3.0	1.1	2.7
Nonstore retailers	454	11.9	14.2	5.3	4.8	0.5	9.0
Transportation and warehousing⁹	48-49	71.4	7.8	5.7	4.4	1.3	2.0
Air transportation	481	7.8	11.4	9.6	7.5	2.1	1.8
Rail transportation ⁹	482	--	3.1	2.1	2.0	(¹⁰)	1.0
Truck transportation	484	16.0	6.5	4.3	3.7	0.6	2.2
General freight trucking	4841	10.0	6.9	4.7	4.1	0.7	2.1
Specialized freight trucking	4842	6.0	5.8	3.6	3.1	0.5	2.2
Transit and ground passenger transportation	485	18.3	6.3	4.4	4.1	0.3	1.9
Support activities for transportation	488	6.5	5.7	3.0	2.0	1.0	2.7
Couriers and messengers	492	11.5	13.0	10.4	7.4	3.0	2.7

See footnotes at end of table.

Table 6. Incidence rates¹ of nonfatal occupational injuries and illnesses by industry and case types, 2007 -- Continued

Massachusetts

Industry ²	NAICS code ³	2007 Average annual employment ⁴ (000's)	Total recordable cases	Cases with days away from work, job transfer, or restriction			Other recordable cases
				Total	Cases with days away from work ⁵	Cases with job transfer or restriction	
Warehousing and storage	493	9.2	8.7	7.1	4.1	3.0	1.6
Utilities	22	9.8	6.6	5.5	1.8	3.7	1.1
Utilities	221	9.8	6.6	5.5	1.8	3.7	1.1
Electric power generation, transmission and distribution	2211	6.5	5.2	4.1	1.3	2.8	1.1
Natural gas distribution	2212	2.7	10.8	9.6	2.8	6.7	1.2
Water, sewage and other systems	2213	0.5	3.1	3.1	3.1	(¹⁰)	(¹⁰)
Information		86.7	1.4	1.0	0.9	0.1	0.5
Information	51	86.7	1.4	1.0	0.9	0.1	0.5
Publishing industries (except Internet)	511	42.3	1.3	0.8	0.7	0.1	0.5
Newspaper, periodical, book, and directory publishers	5111	20.8	2.2	1.2	1.1	0.1	1.0
Newspaper publishers	51111	9.6	3.8	2.4	2.2	0.2	1.4
Periodical publishers	51112	5.1	0.8	0.4	0.4	(¹⁰)	0.4
Motion picture and sound recording industries	512	4.8	1.1	1.1	0.9	--	(¹⁰)
Internet publishing and broadcasting	516	--	(¹⁰)	(¹⁰)	(¹⁰)	(¹⁰)	(¹⁰)
Telecommunications	517	20.3	2.3	1.8	1.7	(¹⁰)	0.5
Financial activities		226.3	1.3	0.6	0.3	0.3	0.7
Finance and insurance	52	182.4	0.5	0.1	0.1	--	0.4
Credit intermediation and related activities	522	63.7	--	0.1	0.1	(¹⁰)	--
Securities, commodity contracts, and other financial investments and related activities	523	50.1	0.2	0.1	0.1	(¹⁰)	0.1
Insurance carriers and related activities	524	65.4	0.4	0.1	0.1	(¹⁰)	0.2
Real estate and rental and leasing	53	43.9	4.8	2.7	1.2	1.5	2.1
Professional and business services		482.7	1.7	0.8	0.7	0.1	0.9
Professional, scientific, and technical services	54	247.1	0.7	0.2	0.2	(¹⁰)	0.5
Management of companies and enterprises	55	62.2	1.3	0.6	0.4	0.2	0.6

See footnotes at end of table.

Table 6. Incidence rates¹ of nonfatal occupational injuries and illnesses by industry and case types, 2007 -- Continued

Massachusetts

Industry ²	NAICS code ³	2007 Average annual employment (000's) ⁴	Total recordable cases	Cases with days away from work, job transfer, or restriction			Other recordable cases
				Total	Cases with days away from work ⁵	Cases with job transfer or restriction	
Administrative and support and waste management and remediation services	56	173.4	4.4	2.4	2.2	0.2	2.1
Administrative and support services	561	163.4	3.7	1.9	--	--	--
Employment services	5613	66.3	1.5	0.9	0.9	--	0.6
Investigation and security services	5616	17.2	0.3	0.3	0.3	(¹⁰)	(¹⁰)
Waste management and remediation services	562	10.0	10.3	5.7	4.8	1.0	--
Education and health services		581.7	5.9	3.0	2.2	0.8	2.9
Educational services	61	123.0	3.1	1.8	1.2	0.6	1.3
Health care and social assistance	62	458.7	6.7	3.3	2.4	0.9	3.4
Ambulatory health care services	621	132.6	4.2	1.0	0.9	0.1	3.1
Outpatient care centers	6214	17.5	3.6	1.0	0.4	--	2.6
Home health care services	6216	21.8	8.0	3.4	3.3	(¹⁰)	4.7
Hospitals	622	168.0	8.0	4.0	3.0	1.0	4.0
Nursing and residential care facilities	623	93.4	9.0	6.0	3.9	2.1	3.1
Social assistance	624	64.8	4.6	2.0	1.7	0.3	2.6
Leisure and hospitality		302.8	5.1	1.9	1.8	0.2	3.1
Accommodation and food services	72	254.7	4.9	1.8	1.7	0.1	3.1
Accommodation	721	33.8	5.7	2.9	2.4	0.6	2.8
Food services and drinking places	722	220.9	4.8	1.6	1.5	(¹⁰)	3.2
Other services		127.2	2.4	1.8	1.7	0.1	0.6
Other services, except public administration	81	127.2	2.4	1.8	1.7	0.1	0.6

See footnotes at end of table.

Table 6. Incidence rates¹ of nonfatal occupational injuries and illnesses by industry and case types, 2007 -- Continued

Massachusetts

Industry ²	NAICS code ³	2007 Average annual employment (000's) ⁴	Total recordable cases	Cases with days away from work, job transfer, or restriction			Other recordable cases
				Total	Cases with days away from work ⁵	Cases with job transfer or restriction	
Repair and maintenance	811	26.8	4.2	3.7	3.5	--	0.5
Personal and laundry services	812	37.0	1.3	0.9	0.9	0.1	0.4
Religious, grantmaking, civic, professional, and similar organizations	813	37.0	1.8	0.9	0.8	0.1	0.9

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 *North American Industry Classification System* 2002 Edition

⁴ Employment is expressed as an annual average and is derived primarily from the BLS-State Quarterly Census of Employment and Wages.

⁵ Days-away-from-work cases include those that result in days away from work with or without job transfer or restriction.

⁶ Excludes farms with fewer than 11 employees.

⁷ Data for mining (Sector 21 in the *North American Industry Classification System* -- United States, 2002) include establishments not governed by the Mine Safety and Health Administration (MSHA) rules and reporting, such as those in oil and gas extraction and related support activities. Data for mining operators in coal, metal, and nonmetal mining are provided to BLS by the Mine Safety and

Health Administration, U.S. Department of Labor. Independent mining contractors are excluded from the coal, metal, and nonmetal mining industries. These data do not reflect the changes the Occupational Safety and Health Administration made to its recordkeeping requirements effective January 1, 2002; therefore estimates for these industries are not comparable to estimates in other industries.

⁸ Data for mining operators in this industry are provided to BLS by the Mine Safety and Health Administration, U.S. Department of Labor. Independent mining contractors are excluded. These data do not reflect the changes the Occupational Safety and Health Administration made to its recordkeeping requirements effective January 1, 2002; therefore estimates for these industries are not comparable to estimates in other industries.

⁹ Data for employers in rail transportation are provided to BLS by the Federal Railroad Administration, U.S. Department of Transportation.

¹⁰ Data too small to be displayed.

NOTE: Because of rounding, components may not add to totals. Dash indicates data do not meet publication guidelines.

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