

Table 6. Incidence rates<sup>1</sup> of nonfatal occupational injuries and illnesses by industry and case types, 2002

Massachusetts

Industry <sup>2</sup>	SIC code <sup>3</sup>	Total recordable cases	Cases with days away from work, job transfer, or restriction			Other recordable cases
			Total	Cases with days away from work <sup>4</sup>	Cases with job transfer or restriction	
<b>Private Industry<sup>5</sup></b>		4.6	2.7	1.9	0.8	1.9
<b>Agriculture, forestry, and fishing<sup>5</sup></b>		7.8	4.0	3.1	0.9	3.8
<b>Mining<sup>6</sup></b>		3.2	2.6	1.9	0.7	0.7
Nonmetallic minerals mining <sup>7</sup>	14	3.3	2.6	1.9	0.7	0.7
<b>Construction</b>		6.8	4.1	3.2	0.9	2.7
General building contractors	15	5.0	2.9	2.5	0.4	2.1
Nonresidential building construction	154	5.2	2.6	1.9	0.7	2.6
Heavy construction, except building	16	8.3	6.8	3.2	--	1.5
Special trade contractors	17	7.0	3.9	3.4	0.4	3.1
Plumbing, heating, air-conditioning	171	8.5	3.6	3.2	0.4	5.0
Electrical work	173	5.6	2.4	1.8	0.6	3.1
Masonry, stonework, and plastering	174	10.0	8.9	7.9	1.0	1.1
Miscellaneous special trade contractors	179	5.5	2.7	2.5	0.3	2.7
<b>Manufacturing</b>		5.3	3.2	2.0	1.2	2.0
Durable goods		5.1	3.0	1.9	1.2	2.0
Lumber and wood products	24	9.1	6.3	4.5	1.9	2.8
Furniture and fixtures	25	7.3	5.4	2.8	2.6	1.9
Stone, clay, and glass products	32	16.3	11.0	7.1	3.9	5.3
Primary metal industries	33	8.9	5.1	3.0	2.1	3.7
Fabricated metal products	34	11.8	6.8	4.1	2.7	5.0
Cutlery, handtools, and hardware	342	5.8	3.4	2.6	0.8	2.3
Fabricated structural metal products	344	16.3	8.5	5.5	3.0	7.8
Industrial machinery and equipment	35	3.4	1.9	1.3	0.7	1.5
Metalworking machinery	354	7.5	4.3	1.8	2.6	3.1
General industrial machinery	356	4.2	2.2	1.8	0.4	1.9
Computer and office equipment	357	0.8	0.4	0.3	0.1	0.3
Industrial machinery, n.e.c.	359	4.6	2.4	1.8	0.6	2.2
Electronic and other electric equipment	36	3.3	1.8	1.1	0.7	1.5
Electric lighting and wiring equipment	364	5.1	3.4	2.6	0.8	1.7
Communications equipment	366	2.6	1.7	1.0	--	--
Electronic components and accessories	367	2.8	1.5	1.0	0.5	1.3
Semiconductors and related devices	3674	2.3	1.4	0.9	0.5	0.9
Electronic components, n.e.c.	3679	4.7	1.8	1.4	0.4	2.9
Transportation equipment	37	2.9	1.5	1.2	0.4	1.3
Instruments and related products	38	2.5	1.6	1.1	--	0.9
Measuring and controlling devices	382	2.4	1.3	0.9	0.4	1.0
Process control instruments	3823	4.3	2.5	1.7	0.7	1.8
Medical instruments and supplies	384	2.8	2.2	1.3	1.0	0.6
Surgical and medical instruments	3841	2.3	1.6	1.3	0.3	0.8
Miscellaneous manufacturing industries	39	5.0	2.8	1.2	1.6	2.2
Toys and sporting goods	394	4.7	2.7	1.1	1.7	2.0
Nondurable goods		5.6	3.6	2.2	1.4	2.0

See footnotes at end of table.

Table 6. Incidence rates<sup>1</sup> of nonfatal occupational injuries and illnesses by industry and case types, 2002 -- Continued

Massachusetts

Industry <sup>2</sup>	SIC code <sup>3</sup>	Total recordable cases	Cases with days away from work, job transfer, or restriction			Other recordable cases
			Total	Cases with days away from work <sup>4</sup>	Cases with job transfer or restriction	
Food and kindred products	20	6.2	4.1	2.9	1.3	2.1
Textile mill products	22	6.1	4.4	1.7	2.7	1.8
Apparel and other textile products	23	4.6	3.8	1.6	2.2	0.8
Paper and allied products	26	9.7	6.0	3.7	2.4	3.7
Miscellaneous converted paper products	267	10.2	7.0	3.6	3.5	3.1
Printing and publishing	27	3.3	2.3	1.6	0.7	1.0
Newspapers	271	4.2	2.6	2.4	0.2	1.5
Commercial printing	275	5.1	3.7	2.1	1.7	1.4
Commercial printing, lithographic	2752	5.7	3.8	2.4	1.4	1.9
Chemicals and allied products	28	3.4	2.4	1.7	0.7	1.0
Rubber and miscellaneous plastics products	30	7.2	4.5	2.6	1.9	2.7
Miscellaneous plastics products, n.e.c.	308	7.5	4.6	2.9	1.7	2.9
Plastics products, n.e.c.	3089	8.0	4.6	3.0	1.5	3.5
Leather and leather products	31	0.9	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	0.9
<b>Transportation and public utilities<sup>8</sup></b>		7.4	5.2	3.7	1.5	2.2
Railroad transportation <sup>8</sup>	40	5.5	4.2	4.0	0.2	1.4
Local and interurban passenger transit	41	9.3	5.0	3.6	1.4	4.4
Trucking and warehousing	42	8.2	5.5	4.9	0.6	2.7
Trucking and courier services, except air	421	7.2	5.1	4.5	0.6	2.0
Transportation services	47	2.3	1.5	1.3	--	0.8
Communications	48	2.8	2.1	1.9	0.3	0.7
Electric, gas, and sanitary services	49	6.8	5.3	2.0	3.3	1.5
<b>Wholesale and retail trade</b>		5.4	2.9	2.1	0.8	2.5
Wholesale trade		5.5	4.0	2.7	1.3	1.6
Wholesale trade--durable goods	50	3.7	2.6	2.0	0.7	1.1
Wholesale trade--nondurable goods	51	8.3	6.0	3.7	2.3	2.3
Groceries and related products	514	8.7	6.3	3.9	2.5	--
Retail trade		5.3	2.5	1.9	0.6	2.9
Building materials and garden supplies	52	7.1	3.6	3.2	0.4	3.5
General merchandise stores	53	10.1	6.6	4.1	2.6	3.5
Food stores	54	7.6	3.9	3.1	0.8	3.7
Automotive dealers and service stations	55	5.6	2.6	2.4	0.2	3.0
Apparel and accessory stores	56	2.3	1.3	0.8	0.5	1.0
Furniture and homefurnishings stores	57	5.9	4.1	2.4	1.7	1.8
Eating and drinking places	58	4.2	0.9	0.8	0.2	3.3
Miscellaneous retail	59	3.8	2.4	1.9	0.5	1.4
<b>Finance, insurance, and real estate</b>		1.1	0.5	0.5	0.1	0.5
Depository institutions	60	1.0	0.5	0.4	0.1	0.5
Security and commodity brokers	62	0.3	0.1	0.1	( <sup>9</sup> )	0.1
Insurance carriers	63	1.1	0.4	0.3	( <sup>9</sup> )	0.7
Real estate	65	3.5	2.0	1.8	0.2	1.5

See footnotes at end of table.

**Table 6. Incidence rates<sup>1</sup> of nonfatal occupational injuries and illnesses by industry and case types, 2002 -- Continued**

**Massachusetts**

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<b>Services</b>		3.9	2.3	1.6	0.7	1.7
Hotels and other lodging places	70	6.9	2.8	2.4	0.5	4.1
Personal services	72	1.8	1.1	0.7	0.4	0.7
Business services	73	1.2	0.6	0.5	0.1	0.5
Auto repair, services, and parking	75	3.9	2.2	1.9	0.3	1.7
Miscellaneous repair services	76	4.4	3.2	2.9	0.3	1.2
Motion pictures	78	1.3	0.2	0.2	( <sup>9</sup> )	1.0
Amusement and recreation services	79	5.1	2.2	1.8	0.3	3.0
Health services	80	7.1	4.6	3.0	1.6	2.5
Nursing and personal care facilities	805	11.9	10.2	6.7	--	--
Hospitals	806	7.8	4.6	3.0	1.6	3.2
Home health care services	808	7.4	3.7	2.9	0.9	3.6
Legal services	81	0.3	0.2	0.2	( <sup>9</sup> )	0.1
Educational services	82	3.5	2.1	1.1	--	--
Social services	83	5.5	2.7	1.9	0.8	--
Engineering and management services	87	1.3	0.5	0.4	0.1	0.8

<sup>1</sup> 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).

<sup>2</sup> Totals include data for industries not shown separately.

<sup>3</sup> *Standard Industrial Classification Manual*, 1987 Edition.

<sup>4</sup> Days-away-from-work cases include those which result in days away from work with or without job transfer or restriction.

<sup>5</sup> Excludes farms with fewer than 11 employees.

<sup>6</sup> Data for Mining (Division B in the Standard Industrial Classification Manual, 1987 edition) include establishments not governed by the Mine Safety and Health Administration (MSHA) rules and reporting, such as those in Oil and Gas Extraction. 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 OSHA made to its recordkeeping requirements effective January 1,

2002; therefore estimates for these industries are not comparable with estimates for other industries.

<sup>7</sup> 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 OSHA made to its recordkeeping requirements effective January 1, 2002; therefore estimates for these industries are not comparable with estimates for other industries.

<sup>8</sup> Data for employers in railroad transportation are provided to BLS by the Federal Railroad Administration, U.S. Department of Transportation. These data do not reflect the changes OSHA made to its recordkeeping requirements effective January 1, 2002; therefore estimates for these industries are not comparable with estimates for other industries.

<sup>9</sup> 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.