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

Massachusetts

Industry <sup>2</sup>	SIC code <sup>3</sup>	1996 Annual average employ- ment <sup>4</sup> (000's)	Injuries and illnesses Injuries							
			Total cases	Lost workday cases				Lost workday cases		
				Total <sup>5</sup>	With days away from work <sup>6</sup>	Cases without lost workdays	Total cases	Total <sup>5</sup>	With days away from work <sup>6</sup>	Cases without lost workdays
Private industry <sup>7</sup>		2,586.0	6.1	3.1	2.3	3.0	5.8	3.0	2.3	2.8
Agriculture, forestry, and fishing <sup>7</sup>		19.4	7.6	3.0	2.7	4.6	6.6	2.8	2.6	3.8
Agricultural production 7	01-02	3.8	10.6	4.8	4.5	5.8	9.3	4.2	3.9	5.1
Mining <sup>8</sup>		1.2	3.5	2.5	2.3	1.0	3.3	2.4	2.2	.9
Nonmetallic minerals, except fuels <sup>8</sup>	14	1.2	3.5	2.5	2.3	1.0	3.3	2.4	2.2	.9
Construction		93.5	10.8	4.8	4.2	6.1	10.7	4.7	4.2	6.0
General building contractors  Nonresidential building construction  Heavy construction, except building  Special trade contractors  Plumbing, heating, air-conditioning  Electrical work  Masonry, stonework, and plastering  Miscellaneous special trade contractors	15 154 16 17 171 173 174 179	20.7 8.5 11.3 61.5 14.6 14.1 5.6 12.4	7.0 8.9 8.0 12.7 10.4 13.9 8.4 18.8	2.5 2.8 4.8 5.5 3.9 6.4 4.8 6.2	2.4 2.6 4.5 4.8 3.4 4.7 4.2 5.7	4.4 6.1 3.2 7.2 6.4 7.5 3.6	6.7 8.8 8.0 12.6 10.4 13.7 8.4 18.8	2.5 2.8 4.8 5.5 3.9 6.4 4.8 6.2	2.4 2.6 4.5 4.8 3.4 4.7 4.2 5.7	4.2 6.1 3.1 7.1 6.4 7.3 3.6
Manufacturing		443.8	7.3	3.7	2.3	3.6	6.8	3.5	2.2	3.3
Durable goods		276.8	6.3	3.2	1.9	3.1	5.7	2.9	1.8	2.8
Lumber and wood products Furniture and fixtures Stone, clay, and glass products Primary metal industries Fabricated metal products Cutlery, handtools, and hardware Fabricated structural metal products Miscellaneous fabricated metal products Industrial machinery and equipment Metalworking machinery Special industry machinery Computer and office equipment Industrial machinery, n.e.c. Electronic and other electric equipment Communications equipment Telephone and telegraph apparatus Electronic components and accessories Semiconductors and related devices Electronic components, n.e.c. Transportation equipment Guided missiles, space vehicles, parts Instruments and related products Search and navigation equipment Measuring and controlling devices Process control instruments Medical instruments and supplies Surgical and medical instruments Photographic equipment and supplies Miscellaneous manufacturing industries Jewelry, silverware, and plated ware Toys and sporting goods	24 25 32 33 34 342 344 349 35 354 355 356 357 359 36 366 367 3674 3679 37 37 38 381 382 3823 3841 386 391 394	3.9 4.4 8.2 10.1 36.4 7.9 8.0 4.7 64.3 8.5 9.4 7.0 25.7 9.7 61.0 15.1 11.6 27.3 11.5 5.7 18.8 10.1 53.6 6.8 24.0 7.2 13.8 9.3 6.8 16.0 4.7 5.9	7.8 18.0 9.9 10.0 11.4 9.4 10.4 16.4 4.9 7.4 6.5 6.2 1.3 7.5 4.0 3.6 4.1 8.3 1.9 3.7 2.2 3.7 3.0 4.5 4.6 8.1 5.5	3.9 11.6 5.6 6.6 5.8 6.1 4.6 9.1 2.0 2.4 3.2 2.7 .4 1.5 1.7 1.4 1.5 4.3 .8 1.7 1.1 1.6 2.1 2.3 1.8 4.8 4.3 4.1	1.9 6.4 2.9 4.3 3.4 3.3 3.0 4.6 1.5 2.0 2.1 2.3 .4 2.5 1.0 1.0 1.2 1.1 1.1 1.9 .7 1.1 1.1 1.2 1.5 .8 1.7 1.8	3.9 6.4 4.3 3.4 5.5 3.3 5.8 7.3 2.9 5.0 3.3 3.5 .9 4.4 2.2 1.8 1.2 2.3 2.1 2.7 4.0 1.1 2.0 1.1 2.1 1.4 2.4 3.8 3.8 1.4	7.5 16.8 9.6 9.8 10.8 8.7 10.4 14.6 6.6 5.9 6.1 1.1 7.3 3.4 2.5 1.9 3.5 2.9 3.6 6.8 1.4 3.2 1.9 3.3 2.7 3.9 2.6 7.4 6.7 4.5	3.6 10.9 5.4 6.4 5.6 5.8 4.6 8.3 2.0 2.7 .4 3.1 1.0 1.0 1.5 1.0 1.3 3.9 .7 1.5 2.0 2.1 1.5 3.8 3.4 3.3	1.9 6.1 2.8 4.1 3.2 3.0 4.4 1.5 1.9 2.1 2.3 .4 2.5 1.1 .8 .7 1.0 .8 1.1 1.8 .6 1.0 .9 .9 1.0 1.1 1.4 .8 1.6 1.7 1.4	3.9 5.9 4.2 3.4 5.2 2.9 5.8 6.3 2.6 4.4 3.0 3.4 .7 4.2 2.0 1.4 .9 2.1 1.9 2.2 2.9 .7 1.7 8 2.0 1.3 2.0 1.3 2.0 1.3 2.0 1.3 2.0 1.3 2.0 1.3 2.0 1.3 2.0 1.3 2.0 1.3 2.0 1.3 2.0 1.3 2.0 1.3 2.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1
Nondurable goods		167.0	9.1	4.7	2.9	4.4	8.5	4.6	2.8	4.0
Food and kindred products Textile mill products Apparel and other textile products Paper and allied products Miscellaneous converted paper products	20 22 23 26 267	21.7 14.8 15.1 19.3 8.8	13.6 13.5 7.9 11.3 12.3	7.3 8.2 3.6 5.8 4.5	4.7 4.5 2.0 3.0 3.0	6.4 5.4 4.3 5.5 7.8	13.5 13.2 7.6 9.1 8.2	7.2 8.0 3.3 5.5 4.3	4.7 4.4 1.8 3.0 2.9	6.3 5.2 4.3 3.6

See footnotes at end of table.

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

Massachusetts

	SIC code <sup>3</sup>	4000	Injuries and illnesses					Injuries			
Industry <sup>2</sup>		1996 Annual average employ- ment <sup>4</sup> (000's)	Total cases	Lost workday cases				Lost workday cases			
				Total <sup>5</sup>	With days away from work <sup>6</sup>	Cases without lost workdays	Total cases	Total <sup>5</sup>	With days away from work <sup>6</sup>	Cases without lost workdays	
Printing and publishing	27	48.1	6.5	2.9	2.3	3.6	6.3	2.8	2.2	3.5	
Newspapers	271	14.3	11.4	4.5	4.0	6.8	10.8	4.4	3.8	6.5	
Books	273	5.9	2.3	.9	.6	1.4	2.2	.8	.5	1.3	
Commercial printing  Commercial printing, lithographic	275 2752	15.5 8.2	7.0 6.4	3.0 3.1	2.3 2.5	4.0 3.2	6.9 6.3	2.9 3.1	2.3 2.5	4.0 3.2	
Chemicals and allied products	28	16.8	5.8	3.1	2.0	2.6	5.3	3.0	1.9	2.3	
Rubber and miscellaneous plastics											
products	30	25.6	9.4	5.0	2.8	4.4	8.7	4.9	2.7	3.8	
Miscellaneous plastics products, n.e.c	308	19.6	8.7	4.7	2.9	4.0	7.9	4.6	2.8	3.3	
Plastics products, n.e.c Leather and leather products	3089 31	10.8 4.1	11.0 6.7	5.6 3.5	3.3	5.4 3.1	9.8 6.4	5.4 3.3	3.2 2.3	4.4 3.1	
	01										
Transportation and public utilities <sup>8,9</sup>		125.9	9.0	5.6	4.1	3.3	8.8	5.6	4.1	3.2	
Railroad transportation 8	40	-	5.9	4.6	4.4	1.2	5.9	4.6	4.4	1.2	
Local and interurban passenger transit	41	19.6	9.5	5.5	5.0	4.0	9.3	5.5	5.0	3.8	
Trucking and warehousing <sup>9</sup>	42	21.8	12.2	6.3	5.8	5.9	11.9	6.3	5.8	5.6	
except air <sup>9</sup>	421	19.0	11.9	6.4	6.1	_	11.7	6.4	6.1	_	
Transportation services <sup>9</sup>	47	10.8	1.2	.5	.5	.7	1.2	.5	.5	.7	
Communications	48	28.3	2.4	1.3	1.2	1.2	2.4	1.3	1.1	1.1	
Electric, gas, and sanitary services  Electric services	49 491	20.7 10.0	7.1 6.3	4.7 4.8	1.9	2.3 1.5	6.8 6.0	4.6 4.8	1.8 1.0	2.2 1.3	
Wholesale and retail trade		694.1	6.4	3.3	2.6	3.1	6.2	3.2	2.5	3.0	
Wholesale trade		166.7	5.6	2.9	2.4	2.7	5.4	2.8	2.3	2.6	
						2.7				2.0	
Wholesale tradedurable goods	50 51	99.3 67.4	4.8 6.9	2.5 3.7	2.3 2.5	3.2	4.7 6.6	2.4 3.5	2.2 2.5	3.1	
Retail trade		527.4	6.8	3.4	2.7	3.3	6.5	3.3	2.7	3.2	
Building materials and garden supplies	52	17.7	7.4	3.6	3.2	3.7	7.3	3.6	3.2	3.7	
General merchandise stores	53	44.1	10.9	5.1	3.8	5.9	10.9	5.1	3.8	5.9	
Food stores	54	94.6	10.3	5.5	3.4	4.8	9.5	4.9	3.0	4.5	
Automotive dealers and service stations Apparel and accessory stores	55 56	43.0 38.1	5.3 4.2	3.0 1.8	2.9 1.4	2.3 2.4	5.3 4.0	3.0 1.8	2.9 1.4	2.3	
Furniture and homefurnishings stores	57	22.5	7.3	2.1	1.6		5.9	2.1	1.6	3.8	
Eating and drinking places	58	185.1	6.3	3.3	2.9	3.0	6.2	3.3	2.9	2.9	
Miscellaneous retail	59	82.2	3.9	2.0	1.8	1.9	3.8	2.0	1.7	1.8	
Finance, insurance, and real estate		203.8	1.4	.6	.6	.8	1.3	.6	.5	.7	
Depository institutions	60	56.6	.9	.3	.2	.6	.8	.2	.2	.6	
Security and commodity brokers	62	38.4	.8	.3	.3	.5		.2	.2	.4	
Insurance carriers	63	46.9	1.7	.6	.6	1.1	1.4	.6	.5	.8	
Insurance agents, brokers, and service Real estate	64 65	20.9 28.8	1.1 3.8	.4 2.2	1.9	.7 1.6	1.0 3.8	.3 2.2	.3 1.9	.7 1.6	
Services		1,004.1	5.4	2.6	2.1	2.7	5.1	2.6	2.1	2.6	
Hotels and other lodging places	70	32.2	6.4	3.6	3.2	2.8	6.4	3.6	3.2	2.8	
Personal services Business services	72 73	30.4 205.9	1.2 3.4	.4 1.5	1.4	.8 1.8	1.0 3.3	.3 1.5	.3 1.4	.7 1.8	
Auto repair, services, and parking	75 75	24.7	7.7	3.7	3.4	4.0	7.6	3.6	3.3	3.9	
Miscellaneous repair services	76	7.8	6.3	3.2	2.7	3.2	6.0	3.0	2.6	3.0	
Amusement and recreation services	79	29.3	5.6	1.3	1.2	4.3	5.5	1.3	1.2	4.2	
Health services	80	324.7	8.8	4.8	3.6	4.0	8.4	4.7	3.5	3.7	
Nursing and personal care facilities	805	68.2	13.9	10.2	6.6	3.8	13.9	10.1	6.6	3.8	
Hospitals  Home health care services	806 808	132.3 31.1	9.1 14.4	4.5 7.6	3.8 5.0	4.6 6.9	8.4 14.0	4.3 7.4	3.6 4.9	4.1 6.6	
FIGURE REGILLI CALE SELVICES	000	31.1	14.4	'.0	3.0	0.9	14.0	'.4	4.9	0.6	

See footnotes at end of table.

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

## Massachusetts

Industry <sup>2</sup>	SIC code <sup>3</sup>	1996 Annual average employ- ment <sup>4</sup> (000's)	Injuries and illnesses				Injuries			
				Lost workday cases		0		Lost workday cases		
			Total cases	Total <sup>5</sup>	With days away from work <sup>6</sup>	Cases without lost workdays	Total cases	Total <sup>5</sup>	With days away from work <sup>6</sup>	Cases without lost workdays
Social services Engineering and management services	83 87	77.8 108.9	5.4 2.2	1.8 1.1	1.7 .8	3.6 1.2	5.2 2.1	1.7 1.0	1.6 .8	3.5 1.1

<sup>&</sup>lt;sup>1</sup> 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

= number of injuries and illnesses

EΗ = 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).

- Totals include data for industries not shown separately.
- <sup>3</sup> Standard Industrial Classification Manual, 1987 Edition.
- Employment is expressed as an annual average and is derived primarily from the BLS-State Covered Employment and Wages program. Employment
- for private households (SIC 88) is excluded.

  <sup>5</sup> Total lost workday cases involve days away from work, or days of restricted work activity, or both.

  <sup>6</sup> Days-away-from-work cases include those which result in days away from
- work with or without restricted work activity.
  - 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.

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.