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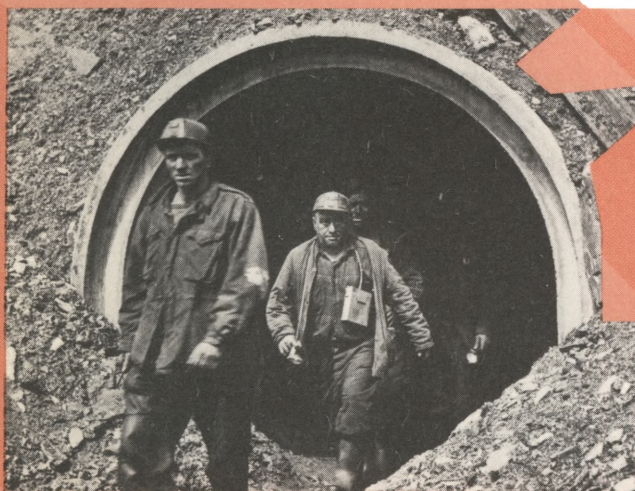
# Occupational Injuries and Illnesses in the United States by Industry, 1978



U.S. Department of Labor  
Bureau of Labor Statistics

August 1980

Bulletin 2078



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U.S. Department of Labor  
Ray Marshall, Secretary  
Bureau of Labor Statistics  
Janet L. Norwood, Commissioner  
August 1980

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# Preface

Data for this publication were collected in accordance with the provisions of the Occupational Safety and Health Act of 1970. The estimates gauge the occurrence of injuries and illnesses resulting from working conditions over which the Occupational Safety and Health Administration of the U.S. Department of Labor, the Mine Safety and Health Administration of the U.S. Department of Labor, and the Federal Railroad Administration of the U.S. Department of Transportation exercise statutory authority.

The estimates represent the injury and illness experience of employers in private sector establishments for the years 1972-78. For each survey, report forms were mailed to employers in the year following the reference year of the survey.

In recent years, the survey sample has been reduced in response to the proposal of the Office of Management and Budget and the Commission on Federal Paperwork to reduce the amount of paperwork required of employers. The reduction resulted in less detailed statistics in the nonmanufacturing industries surveyed, except for the construction industry and some 3-digit industries which historically have had high incidence rates. The number of sample units selected for the con-

struction and manufacturing industries was not reduced and, therefore, there was no loss in statistical detail for these industries.

To further decrease the paperwork burden on small employers, employers with fewer than 11 employees in low-risk industries were not required to participate in the 1978 survey. In order to maintain comparability with the data published in previous years, a statistical method based on the previous experience of these low-risk industries was used to represent them in the private sector.

This bulletin was prepared in the Office of Occupational Safety and Health Statistics by the staff of the Division of Periodic Surveys, under the direction of William Mead. Data were collected and tabulated in the Office of Statistical Operations with the cooperation of the regional offices of the Bureau of Labor Statistics and participating State agencies identified in appendix C. State data on occupational injuries and illnesses will be released in a separate publication.

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# Occupational Injuries and Illnesses, 1978

## Total Injuries and Illnesses

### Incidence rates

During 1978, approximately 1 out of every 11 American workers in the private sector suffered an injury or illness caused by exposure to hazards in the work environment. This translates into an incidence rate of 9.4 injuries and illnesses per 100 full-time workers during the year (table 1). The estimates encompass job-related cases resulting in death, diagnosed illness, and most injuries requiring more than minor first-aid treatment. They represent the experience of 71.5 million workers in about 5 million establishments in the private sector of the American economy. Self-employed individuals and farms with fewer than 11 employees are not included in the estimates.

The incidence rate of 9.4 experienced in 1978 was virtually unchanged from the rate of 9.3 for 1977. In terms of hours of exposure on the job, 1 injury or illness was recorded for every 21,300 hours worked in 1978; the comparable ratio for 1977 was 1 case for every 21,500 hours.

Incidence rates for the major industry divisions ranged from 16.0 in construction to 2.1 in finance, insurance, and real estate in 1978 (chart 1). Goods-producing industries (agriculture, forestry, and fishing; mining; construction; and manufacturing) experienced higher injury and illness rates than service-producing industries (transportation and public utilities; wholesale and retail trade; finance, insurance, and real estate; and services). The composite 1978 rate for goods-producing industries was 13.5 and 6.7 for service-producing industries; in 1977 the comparable rates were 13.3 and 6.6, respectively. The percentage increase in employment between 1977 and 1978 was nearly similar for goods-producing industries and service-producing industries—5 and 6 percent, respectively. The rates for all goods-producing industries and one service-producing industry (transportation and public utilities) have been higher than the private sector average for the past several years. Manufacturing, with nearly 30 percent of private sector employment and about 80 percent of the goods-producing work force, had a rate of 13.2.

Between 1977 and 1978, total injury and illness incidence rates increased in 7 of the 8 industry divisions; the rate for the services industries remained at the 1977 level. Increases in rates ranged from 0.8 percent in man-

ufacturing to 6 percent in mining. Construction industries, which experienced about a 3-percent increase in the injury and illness rate, had the largest percentage increase in employment between 1977 and 1978—11 percent.

The injury and illness incidence rates for the special product sawmills, mobile homes, and meatpacking industries continued to be the highest in the private sector. Text table 1 provides 1978 data for the industries with the highest injury and illness incidence rates, and comparable rates and rank positions for these industries in 1977. The reclaimed rubber industry experienced the greatest overall increase in injuries and illnesses between the years—moving from a rate of 20.5 and a rank position of 64 in 1977 to a rate of 30.5 and a rank of 5 for 1978. Sanitary services was the only nonmanufacturing industry among this list of industries.

Chart 2 provides the distribution of private sector establishments by establishment size and incidence rate interval for 1978. It shows that, on average, the proportion of establishments in which virtually no injuries or illnesses occurred varied inversely with establishment size, while the proportion of establishments with rates between 0.1 and 9.9 varied directly with establishment size. About 90 percent of the establishments with fewer than 20 employees experienced virtually no injuries and illnesses. The greatest percentage of establishments experiencing high rates of injuries and illnesses—10.0 or greater—was in the 100 to 249 employee-size group, a pattern generally experienced by private sector industries. Chart 3 furnishes comparable employment size-class data by the incidence rate interval for lost workday cases—the more serious injuries and illnesses. Distribution patterns were similar to those of total injuries and illnesses.

The average (mean) rates are sometimes inflated by the presence of a few reporting units with a high incidence of cases. However, the upward bias inherent in the average rate is not reflected in the quartile rates. Quartile data show that, although on average establishments in the private sector experienced 9.4 injuries and illnesses per 100 full-time workers, three-fourths of these establishments experienced virtually no injuries or illnesses (table 2). In construction, the industry division with the highest overall rate, one-half of the establishments had a rate of 0.0 and three-fourths had a rate of less than 9.0.



**Text table 1. Industries with the highest injury and illness incidence rates in 1978 and percent change from 1977, United States**

SIC code <sup>1</sup>	Industry	1978		1977		Percent change
		Rank	Incidence rate <sup>2</sup>	Rank	Incidence rate <sup>2</sup>	
2429	Special product sawmills, n.e.c. ....	1	43.6	2	35.1	24.2
2451	Mobile homes .....	2	34.8	1	35.7	-2.5
2011	Meatpacking plants .....	3	32.8	3	33.6	-2.4
2439	Structural wood members, n.e.c. ....	4	31.2	11	27.1	15.1
303	Reclaimed rubber .....	5	30.5	64	20.5	48.8
3261	Vitreous plumbing fixtures .....	6	29.5	7	28.5	3.5
3713	Truck and bus bodies .....	7	29.5	17	25.8	14.3
3493	Steel springs, except wire .....	8	29.0	4	30.0	-3.3
3792	Travel trailers and campers .....	9	28.3	6	28.6	-1.0
334	Secondary nonferrous metals .....	10	27.6	5	29.3	-5.8
2083	Malt .....	11	27.3	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )
2999	Petroleum and coal products, n.e.c. ....	12	27.2	22	25.0	8.8
3316	Cold finishing of steel shapes .....	13	27.1	10	27.8	-2.5
3317	Steel pipe and tubes .....	14	27.1	43	22.0	23.2
3715	Truck trailers .....	15	26.7	8	28.2	-5.3
3325	Steel foundries, n.e.c. ....	16	26.6	35	23.4	13.7
2077	Animal and marine fats and oils .....	17	26.5	21	25.0	6.0
2086	Bottled and canned soft drinks .....	18	26.4	13	26.6	-.8
241	Logging camps and logging contractors .....	19	25.9	15	26.3	-1.5
495	Sanitary services .....	20	25.9	23	24.8	4.4

<sup>1</sup> Standard Industrial Classification Manual, 1972 Edition.

<sup>2</sup> Incidence rates represent the number of injuries and illnesses per 100 full-time workers. See appendix D for definition and method of calculation.

<sup>3</sup> Comparable 1977 data did not meet publication guidelines.

n.e.c. = not elsewhere classified.

Chart 4 indicates that among the 3-digit industries with the highest total case rates, the median rate was at least one-half the mean rate in 7 of the 10 industries. Furthermore, the first quartile rate was greater than zero in only two industries—wood buildings and mobile homes (8.7) and iron and steel foundries (9.7). Chart 5 illustrates the mean and median distribution of lost workday case rates.

### Number of injuries and illnesses

There were about 5.8 million work-related injuries and illnesses in 1978—or an average of slightly more

than one case for every establishment in the private sector (table 3). This represented an increase of 6 percent, or about 340,000 cases, from the 5.46 million cases experienced during 1977. However, during this period there was a 5-percent increase in employment (text table 2). Among the eight industry divisions, only agriculture, forestry, and fishing experienced decreases in both the number of injuries and illnesses and employment. Injuries and illnesses rose about 12 percent in mining industries, more than double the percentage increase in mining employment.

Manufacturing, transportation and public utilities, and

**Text table 2. Injuries and illnesses and employment by industry division, United States, 1977 and 1978**

Industry division	Injuries and illnesses			Annual average employment		
	Number (in thousands)		Percent change	Number (in thousands)		Percent change
	1977	1978		1977	1978	
Private sector.....	5,460.3	5,799.4	6.2	67,871.0	71,532.8	5.4
Agriculture, forestry, and fishing.....	74.9	67.1	-10.4	970.0	890.8	-8.2
Mining .....	88.2	98.4	11.6	809.0	851.0	5.2
Construction .....	507.9	576.6	13.5	3,833.0	4,271.0	11.4
Manufacturing .....	2,466.5	2,581.6	4.7	19,647.0	20,476.0	4.2
Transportation and public utilities.....	428.6	462.9	8.0	4,696.0	4,927.0	4.9
Wholesale and retail trade.....	1,169.9	1,252.2	7.0	18,492.0	19,499.0	5.4
Finance, insurance, and real estate.....	77.2	85.2	10.4	4,452.0	4,727.0	6.2
Services.....	647.2	675.5	4.4	14,972.0	15,891.0	6.1

wholesale and retail trade, with about 63 percent of total private sector employment, had nearly 75 percent of all private sector injuries and illnesses. Construction industries, with 6 percent of employment, had 10 percent of injuries and illnesses. On the other hand, finance, insurance, and real estate and services industries had nearly 30 percent of employment and only 13 percent of injuries and illnesses. The remaining industries had nearly even proportions of employment and injuries and illnesses.

As in years past, almost all cases were injuries—illnesses constituted only 2.5 percent of the total. This proportion ranged from 1 percent in wholesale and retail trade to 5 percent in agriculture, forestry, and fishing (table 4).

## Injuries

Occupational injuries are caused by work accidents or from exposure involving a single incident in the work environment. These are recorded if they result in death, worktime lost, medical treatment other than minor first aid, loss of consciousness, restriction of work or motion, transfer to another job, or termination of employment.

### Incidence rates

The incidence rate for job-related injuries in 1978 was 9.2 for every 100 full-time workers in the private sector (table 5). This is a 2-percent increase from the rate of 9.0 recorded in 1977 (chart 6). The increase occurred primarily in injuries which involved lost worktime—those serious enough to require the injured employee to be restricted in work activity or to take days off from work—which constituted 43 percent of total injuries. The rate for these cases rose from 3.7 in 1977 to 4.0 in 1978. The rate for injuries without lost worktime decreased slightly, from 5.3 to 5.2.

Injury incidence rates increased in 7 of the 8 industry divisions between 1977 and 1978, with the rate for the services division remaining at the 1977 level. Increases ranged from 2 percent in manufacturing industries to 5 percent in mining and finance, insurance, and real estate.

The change in the rate for the mining division was largely due to increases of over 30 percent in the rates for metal mining—from 7.4 to 9.9; and for nonmetallic minerals, except fuels—from 5.1 to 6.8. Oil and gas extraction, the largest mining industry in terms of employment, also experienced an increase in the total case rate—from 12.7 to 13.7, or 8 percent.

Construction employers experienced the largest absolute increase in the injury incidence rate between 1977 and 1978—their rate rose from 15.2 to 15.8. This 4-percent increase took place along with an 11-percent increase in employment. Every major industry group in construction experienced increases in both total injury

rates and lost workday injury rates. General building contractors experienced the largest percentage increase in total injury rates.

Manufacturing, the largest industry division with nearly 30 percent of the private sector work force, registered a slight increase in the total injury rate between 1977 and 1978—from 12.6 to 12.8 injuries per 100 full-time workers. Eleven major manufacturing industry groups experienced increases in rates; six, decreases; and three, no change. Primary metal and printing and publishing industries had the largest percentage increase in the rate, 5 percent; tobacco manufacturers had the largest decrease, 6 percent. Wholesale and retail trade experienced increases in every industry group, except food stores, where the rate dropped from 11.3 to 10.6.

Among the 68 major industry groups shown in table 5, 40 showed increases in total injury rates; 22, decreases; and 6, no change. Rates for injuries involving lost worktime increased in 54 of these industries while injury-related lost workday incidence rates increased in 43 industry groups. The percent change in total injury rates for most major industry groups was small—57 percent of all changes were between 1 and 5 percent (text table 3). However, changes in lost workday injury rates were of larger magnitude—almost half were between 6 and 11 percent.

Lost workday injury rates increased in 7 of the 8 industry divisions between 1977 and 1978; only in the finance, insurance, and real estate division did the rate remain at the 1977 level. Industry division rates ranged from 0.8 per 100 full-time workers in finance, insurance, and real estate to 6.4 in mining. Increases in rates ranged from 5 percent in services to 10 percent in the manufacturing and transportation and public utilities industries.

Text table 3. Percent distribution of major industry groups by percent change in total injury rate, lost workday injury rate, and incidence rate of lost workdays, private sector, United States, 1977 to 1978

Percent change	Total injury rate (N = 68)	Lost workday injury rate (N = 68)	Rate of lost workdays (N = 68)
Total .....	100.0	100.0	100.0
Increase .....	58.8	79.4	63.2
24 or more .....	4.4	8.8	11.8
18-23 .....	.0	1.5	1.5
12-17 .....	2.9	20.6	10.3
6-11 .....	13.2	38.2	22.1
1-5 .....	38.2	10.3	17.6
No change .....	8.8	8.8	.0
Decrease .....	32.4	11.8	36.8
1-5 .....	19.1	1.5	19.1
6-11 .....	5.9	5.9	11.8
12-17 .....	1.5	1.5	2.9
18-23 .....	2.9	.0	1.5
24 or more .....	2.9	2.9	1.5

**Text table 4. Industries with the highest incidence rates of lost workday injuries in 1978 and percent change from 1977, United States**

SIC code <sup>1</sup>	Industry	1978		1977		Percent change
		Rank	Incidence rate <sup>2</sup>	Rank	Incidence rate <sup>2</sup>	
2429	Special product sawmills, n.e.c. ....	1	24.3	1	18.5	31.2
303	Reclaimed rubber. ....	2	17.4	33	10.2	70.6
2083	Malt. ....	3	16.6	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )
241	Logging camps and logging contractors. ....	4	15.5	2	15.4	.6
2451	Mobile homes. ....	5	15.1	3	14.6	3.4
2439	Structural wood members, n.e.c. ....	6	15.0	5	13.9	7.9
495	Sanitary services. ....	7	15.0	7	13.4	11.9
2011	Meatpacking plants. ....	8	14.8	4	14.4	2.8
3261	Vitreous plumbing fixtures. ....	9	14.5	8	12.7	14.2
3493	Steel springs, except wire. ....	10	13.5	6	13.4	.7
3259	Structural clay products, n.e.c. ....	11	12.9	10	12.5	3.2
2077	Animal and marine fats and oils. ....	12	12.6	17	11.4	10.5
446	Water transportation services. ....	13	12.1	18	11.0	10.0
2063	Beet sugar. ....	14	12.0	25	10.5	14.3
3441	Fabricated structural metal. ....	15	11.9	24	10.6	12.3
3462	Iron and steel forgings. ....	16	11.9	9	12.7	-6.3
2084	Wines, brandy, and brandy spirits. ....	17	11.9	42	9.3	28.0
2452	Prefabricated wood buildings. ....	18	11.8	13	11.3	4.4
2086	Bottled and canned soft drinks. ....	19	11.8	11	11.5	2.6
176	Roofing and sheet-metal work. ....	20	11.7	36	9.7	20.6

<sup>1</sup> Standard Industrial Classification Manual, 1972 Edition.

<sup>2</sup> Incidence rates represent the number of injuries and illnesses per 100 full-time workers. See appendix D for definition and method of calculation.

<sup>3</sup> Comparable 1977 data did not meet publication guidelines.

n.e.c. = not elsewhere classified.

Special product sawmills had the highest lost workday injury rate in 1978, 24.3—up 31 percent from 1977 (text table 4). Eight of the 10 industries having the highest lost workday injury rates in 1978 were also among the 10 highest for 1977. Seven of these industries also ranked among the 10 industries with the highest total case injury rate. Eighteen of the 20 industries with the highest lost workday injury rate had increases in the rate between 1977 and 1978. These ranged from less than 1 percent in logging camps and logging contractors to about 71 percent in reclaimed rubber industries (which increased in rank position from 33 to 2 between 1977 and 1978).

#### Incidence rates by establishment size

The injury incidence rates for establishments employing fewer than 50 employees or more than 1,000 continued to be lower than the rates for establishments in the mid-size classes (table 6 and chart 7). Rates continued to be highest for establishments with 100 to 249 employees. Injury rates for agriculture, forestry, and fishing generally rose with the number of employees. However, rates for establishments in mining, construction, and transportation and public utilities peaked in the 50 to 99 employee-size group; establishments in manufacturing and wholesale and retail trade in the 100 to 249 group; and establishments in finance, insurance, and real estate and services in the 250 to 499 group. Private sector rates increased in three employment-size

classes, remained the same in three, and decreased in the 50 to 99 and the 250 to 499 groups.

#### Number of injuries

Approximately 5.66 million job-related injuries were experienced during 1978. This represents an increase of 7 percent from the 5.3 million injuries recorded for 1977. Employment increased proportionately during the same period.

Manufacturing accounted for 44 percent of all private sector injuries—nearly 1 1/2 times its share of private sector employment. Besides manufacturing, construction, transportation and public utilities, and wholesale and retail trade employers experienced greater percentages of injuries than of employment.

The number of lost workday injuries increased from approximately 2.1 million in 1977 to nearly 2.4 million in 1978. All industry divisions, with the exception of agriculture, forestry, and fishing, showed increases of 12 to 21 percent. The largest change took place in the construction industry, up 21 percent from 1977. About 44 percent of the increase in the number of cases occurred in manufacturing industries.

#### Worktime Lost

Worktime lost includes both days away from work and days of restricted work activity. The data for cases which involve days away from work include those

which result in days away from the job, or both days away from work and days of restricted work activity. On the other hand, the data for cases which involve restricted work activity include only those which result solely in restricted work activity (the employee was on the job but could not perform all the duties of the job).

### **Injuries involving days away from work and days of restricted work activity**

*Incidence rates.* The rate for cases involving days away from work was 3.7, while the rate for cases involving restricted work activity only was 0.3 (table 7). Construction industries had the highest rate of cases involving days away from work—6.2; finance, insurance, and real estate had the lowest—0.8. Manufacturing had the highest rate of cases involving restricted work activity—0.5 cases per 100 full-time workers.

*Number of cases.* Nearly 94 percent of the 2.4 million lost workday injuries resulted in days away from work. The remaining 6 percent involved days of restricted work activity only. Manufacturing industries accounted for 42 percent of cases involving days away from work and 64 percent of those which resulted in days of restricted work activity. By industry division, the proportion of lost workday injuries involving restricted work activity ranged from slightly more than 2 percent in construction and agriculture, forestry, and fishing to nearly 10 percent in manufacturing (chart 8). Chart 9 shows the proportion of lost workday injuries involving restricted work activity only for the 10 industries with the highest lost workday injury rates.

Forty-three percent of the injuries were serious enough to require the injured employee either to take time off from work or be restricted in work or motion. This ratio ranged from 57 percent of total injuries in transportation and public utilities industries to 40 percent in construction and wholesale and retail trade industries. Private sector lost workday injuries have increased as a proportion of total injuries since 1972.

The proportion of lost workday injuries involving restricted work activity generally varied directly with establishment size—accounting for 3 percent in establishments with fewer than 100 employees and about 26 percent in the largest establishment group (chart 10).

### **Lost workdays due to injuries**

*Incidence rates.* The incidence rate of lost workdays indicates the severity of injuries by relating the number of days lost to a common base of exposure on the job. The injury incidence rate of lost workdays rose, from 60.0 in 1977 to 62.1 in 1978.

Three industry divisions posted rates above 100.0—mining at 142.3, construction at 108.1, and transportation and public utilities at 101.3. While rates increased

in six of the industry divisions, they decreased in construction and agriculture, forestry, and fishing. Although the lost workday injury case rate rose in construction and agriculture, forestry, and fishing, the average number of days lost per case was down from 19 to 17 in construction and from 16 to 15 in agriculture, forestry, and fishing because of the decrease in the rate of lost workdays.

Forty-four of the 68 major industry groups had increases in the lost workday injury rate. The finance, insurance, and real estate division, with the largest increase in lost workday rates—19 percent—had increases ranging from 6 to 40 percent in each major industry. The water transportation services industries had the highest injury incidence rate of lost workdays among 3-digit industries—454.0 per 100 full-time workers (chart 11).

*Number of lost workdays.* About 38.2 million lost workdays resulted from work-related injuries during 1978—up from 35.2 million in 1977. This represents a loss equivalent to a full year's work for about 153,000 employees, compared to 141,000 in 1977. Forty percent of the increase was in manufacturing industries, where 1.16 million more days were lost than in 1977. Among industry divisions, the number of lost workdays decreased only in the agriculture, forestry, and fishing industries.

On average, there were 16 lost workdays per lost workday injury case in the private sector in 1978—the same as in 1977. This average measures the length of time (not counting the day of injury) the employee was away from work or could not perform all regularly assigned duties because of a job-related injury. The average number of days lost ranged from 14 in wholesale and retail trade to 22 in mining.

### **Comparison with time lost from work stoppages**

Work stoppage data represent the number of workdays employees did not work because of a dispute between labor and management which resulted in a strike or lockout. As in 1977, the percent of total worktime lost in the private sector in 1978 was higher for job-related injuries and illnesses than the percent lost due to work stoppages (text table 5). The percent of worktime

**Text table 5. Percent of worktime lost from injuries and illnesses, and percent of days of idleness from work stoppages, private sector, United States, 1973-78**

Year	Injuries and illnesses	Work stoppages
1973.....	0.18	0.16
1974.....	.19	.28
1975.....	.19	.18
1976.....	.21	.23
1977.....	.21	.19
1978.....	.22	.20



lost from injuries and illnesses has risen gradually since 1973; however, the percent of worktime lost from work stoppages has increased in alternate years.

### Injury incidence rate trends since 1972

Although increasing slightly since 1975, the total injury incidence rate declined between 1972 and 1978—from 10.5 to 9.2, or 12 percent (text table 6 and chart 12). Injuries without lost workdays (the less serious type) have been primarily responsible for the decrease in the total injury rate. The rate for these cases dropped 29 percent—from 7.3 to 5.2. The average annual decline in the rate for injuries without lost time was about 5 percent and 2 percent for the total injury rate since 1972. However, during the same period the rate of lost workday injuries climbed from 3.2 to 4.0, or 25 percent, and the severity of these cases—as measured by the incidence rate of lost workdays—rose from 46.3 to 62.1, or 34 percent. Since 1972, the average annual increase in the rates for lost time injuries and lost workdays were 4 and 5 percent, respectively.

### Fatalities

The data which follow cover only employers with 11 or more employees because the reduction in the survey sample in 1978 affected primarily employers with fewer than 11 employees. The reduction for employers in low-risk industries was in response to the Presidential directive on reduction of paperwork in survey operations. The sample reduction results in larger sampling errors in the fatality data (statistically rare occurrences), making year-to-year comparisons for this group of employers of questionable reliability.

**Text table 6. Injury incidence rates by extent of case and average lost workdays per lost workday injury, private sector, United States, 1972-78**

Year	Incidence rates <sup>1</sup>				
	Total injuries	Lost workday injuries	Nonfatal injuries without lost workdays	Lost workdays	Average lost workdays per lost workday injury
1972.....	10.5	3.2	7.3	46.3	14
1973.....	10.6	3.3	7.3	51.2	15
1974.....	10.0	3.4	6.6	53.1	16
1975.....	8.8	3.2	5.6	54.6	17
1976.....	8.9	3.4	5.5	57.8	17
1977.....	9.0	3.7	5.3	60.0	16
1978.....	9.2	4.0	5.2	62.1	16

<sup>1</sup> Incidence rates represent the number of injuries and lost workdays per 100 full-time workers. See appendix D.

NOTE: Data for 1972 did not include estimates for agricultural production, railroads, and most of mining. Separate injury detail for all of mining, except oil and gas extraction, was also not available for 1973. Data for 1975-78 exclude farms with fewer than 11 employees.

**Text table 7. Number and rate of fatalities for employers with 11 or more employees, private sector, United States, 1974-78**

Year	Number of fatalities	Incidence rate per 10,000 workers <sup>1</sup>
1974.....	4,970	0.98
1975.....	4,570	.94
1976.....	3,940	.79
1977.....	4,760	.91
1978.....	4,590	.82

<sup>1</sup> The incidence rates represent the number of fatalities per 10,000 full-time workers and were calculated as:

$(N/EH) \times 20,000,000$ , where

N = number of fatalities

EH = hours worked by employees during calendar year

20,000,000 = base for 10,000 full-time equivalent workers

(working 40 hours per week, 50 weeks per year).

NOTE: The average number of fatalities a year for employers with fewer than 11 employees for these 5 years was 900. A comparable figure for fatalities for all classes of employers can be derived by adding the average of 900 fatalities to the estimate for employers with 11 or more employees.

### Incidence rates

Between 1977 and 1978 the fatality rate fell from 0.91 to 0.82 per 10,000 full-time workers, or 10 percent (text table 7). Between 1974 and 1978 the rate fell 16 percent.

### Number of fatalities

In 1978, about 4,590 work-related deaths were estimated for employers with 11 or more employees. The comparable figure in 1977 was 4,760; therefore, the estimate for 1978 represents a decrease of 4 percent despite a rise in employment from 1977 of 5 percent. Approximately 500 of the fatalities which occurred in 1978 were related to illnesses—primarily associated with heart attacks. Since 1974 the number of fatalities has dropped 8 percent.

Among industry divisions, manufacturing industries had the most fatalities in 1978 and agriculture, forestry, and fishing had the least (text table 8). However, the proportion of fatalities in manufacturing—26 percent—was less than the proportion of employment in manufacturing industries for employers with 11 or more employees—33 percent. The same relationship also held for wholesale and retail trade; finance, insurance, and real estate; and services. These industries accounted for 52 percent of the fatalities and 85 percent of the employment. Conversely, in agriculture, forestry, and fishing; mining; construction; and transportation and public utilities combined, the proportion of fatalities was slightly more than 3 times their 15-percent share of employment.

### Objects or events associated with fatalities

The 1978 annual survey was the first to obtain information from employers on the object or the event associated with job-related fatalities. In the total private sector, about 4 of every 10 fatalities were associated with the operation of motor vehicles and industrial vehicles and equipment (table 8 and chart 13). The fol-

lowing is a summary by industry division and for the oil and gas extraction industry of the objects or events associated with fatalities.

**Manufacturing—1,170 fatalities.** Motor vehicle operation accounted for 19 percent of the deaths; industrial vehicles added another 12 percent. The operation of plant machinery and falls each were responsible for 9 percent of the deaths, and 10 percent of the employees killed were struck by falling or flying objects. Fires and explosions accounted for 12 percent of the deaths in this industry division. Two out of every three fire-related deaths happened in manufacturing industries, as did four out of every ten deaths from explosions.

**Construction—925 fatalities.** Twenty-nine percent of the deaths resulted from falls from heights. This was equal to the number caused by cars, trucks, and industrial vehicles in the industry. An additional 10 percent of the deaths were due to contact with electric current. Fires and explosions accounted for 5 percent of the fatalities, and falling or flying objects for 6 percent.

**Transportation and public utilities—835 fatalities.** Two-thirds of the fatalities in these industries involved automobiles, trucks, and aircraft. Contact with electricity accounted for another 10 percent, primarily in public utilities.

**Wholesale and retail trade—655 fatalities.** Employees in this industry experienced over one-half of all private sector fatalities due to gunshots, and over one-third of all fatal heart attacks.

**Services—365 fatalities.** Nearly one-half of all deaths in services industries involved aircraft, cars, and trucks, while heart attacks were responsible for 17 percent. Falls accounted for another 8 percent.

**Finance, insurance, and real estate—200 fatalities.** These industries experienced relatively few fatalities during the year. Car accidents accounted for three-fourths of these.

**Oil and gas extraction—165 fatalities.** Fatalities caused by vehicles and equipment accounted for 50 percent of the deaths in this sector of the mining industry—of which 31 percent were due to industrial vehicles or equipment. Falls from elevations and airplane or helicopter crashes accounted for another 27 percent of the fatalities.

**Agriculture, forestry, and fishing—95 fatalities.** Over-the-road motor vehicle accidents accounted for 32 percent of the deaths in this industry division. When industrial farm vehicles are included, about one-half of the deaths can be attributed to the operation of vehicles. Twenty-one percent of all other deaths were from contact with electricity or being caught in, under, or between objects other than vehicles or machinery.

## Illnesses

Occupational illnesses include any abnormal condition or disorder, other than one resulting from an occupational injury, caused by exposure to environmental factors associated with employment. The incidence of occupational illnesses measured by the annual survey refers to the number of new illness cases occurring during a year, and does not measure continuing conditions of illness reported in previous surveys. Illnesses are recorded only in the year in which they are diagnosed and recognized as work related.

The recording and reporting of illnesses continue to present some measurement problems since employers (and even doctors) are often unable to recognize some illnesses as being work related. The annual survey in-

**Text table 8. Fatalities and employment for employers with 11 or more employees by industry division, United States, 1978**

(Annual average employment in thousands)

Industry	Fatalities		1978 annual average employment	
	Number	Percent	Number	Percent
Private sector.....	4,590	100	59,297	100
Agriculture, forestry, and fishing.....	95	2	838	1
Mining.....	345	8	787	1
Construction.....	925	20	3,028	5
Manufacturing.....	1,170	26	19,759	33
Transportation and public utilities.....	835	18	4,464	8
Wholesale and retail trade.....	655	14	14,410	24
Finance, insurance, and real estate.....	200	4	3,711	6
Services.....	365	8	12,300	21

NOTE: Because of rounding, components may not add to totals.

cludes data only on current and visible illnesses of workers. To the extent that occupational illnesses are unrecognized and therefore, unreported, the survey estimates understate their occurrence.

### **Incidence rates**

Occupational illnesses occurred at a rate of 0.2 per 100 full-time workers in the private sector, or 2.3 cases per 1,000 employees in 1978 (table 9). This was a decrease from the rate of 2.8 per 1,000 for 1977, and was the lowest recorded since the survey was initiated. Illness incidence rates ranged from 0.5 per 1,000 in finance, insurance, and real estate to 5.9 per 1,000 in agriculture, forestry, and fishing. Manufacturing experienced the second highest illness incidence rate, 4.4 illnesses per 1,000 employees, and the highest illness incidence rate of lost workdays (25.7 days)—a measure of severity. Illness incidence rates decreased in every industry division between 1977 and 1978, except mining, where the rate rose from 1.4 to 1.9 illnesses per 1,000 employees. Most of the increase was in the less serious cases which did not require the ill employee to be absent from his or her job or to be restricted from performing all regularly assigned duties.

### **Number of illnesses**

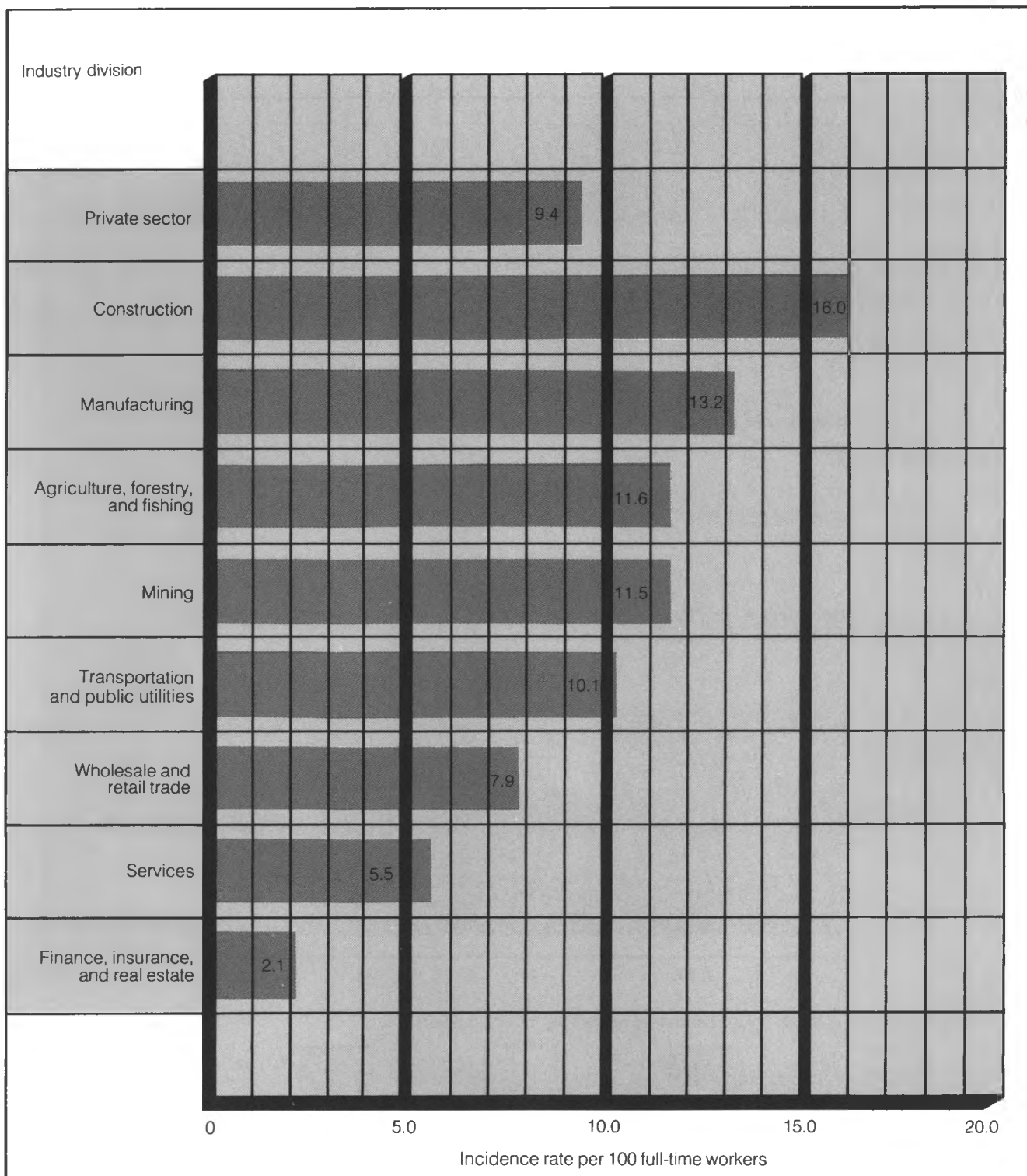
During 1978, private sector workers experienced about 143,500 new cases of occupational illness—down 11 percent from the 161,900 contracted during 1977. This occurred during a period of rising employment and increases in the number of injuries experienced—hence illnesses accounted for a smaller proportion of

total injuries and illnesses than in previous years—only 2.5 percent.

Manufacturing accounted for a much larger proportion of illnesses than its 30-percent share of total employment—about 60 percent of all illnesses. Five of the twenty major manufacturing industries accounted for nearly 60 percent of the illnesses in manufacturing: Food and kindred products; fabricated metal products; machinery except electrical; electric and electronic equipment; and transportation equipment. The health services industry had over 46 percent of the illnesses occurring in services industries while accounting for only 30 percent of services employment. This industry accounted for 15 percent of the illnesses recorded in all nonmanufacturing industries.

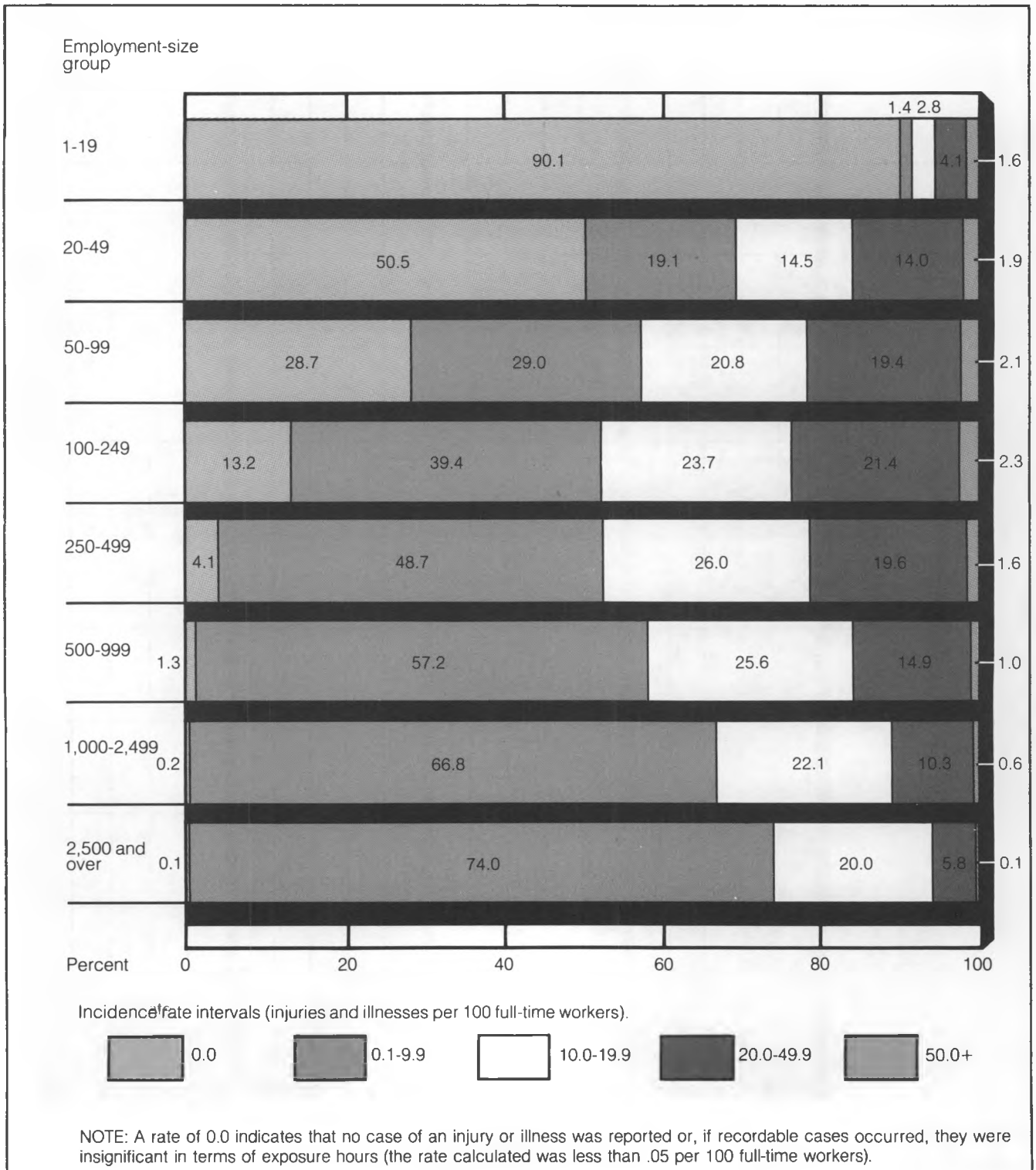
Skin diseases or disorders continued to account for a disproportionately large percentage of illnesses—nearly 1 out of every 2 cases recorded in 1978 (chart 14). This is largely because they are more readily observable than other occupational illnesses. Skin diseases or disorders ranged from 32 percent of total illnesses in mining industries to 65 percent of total illnesses in agriculture, forestry, and fishing. Dust diseases of the lungs accounted for the lowest proportion of total illnesses—1 percent. However, in mining industries nearly 1 out of every 5 illnesses fell within this category (table 10). Also, nearly 9 out of 10 disorders associated with repeated trauma (conditions of repeated motion, vibration, or pressure) occurred in the manufacturing and transportation and public utilities industries. Manufacturing industries accounted for 55 percent of the poisoning cases.

**Chart 1**  
**INJURY AND ILLNESS** incidence  
 rates by industry division, United  
 States, 1978

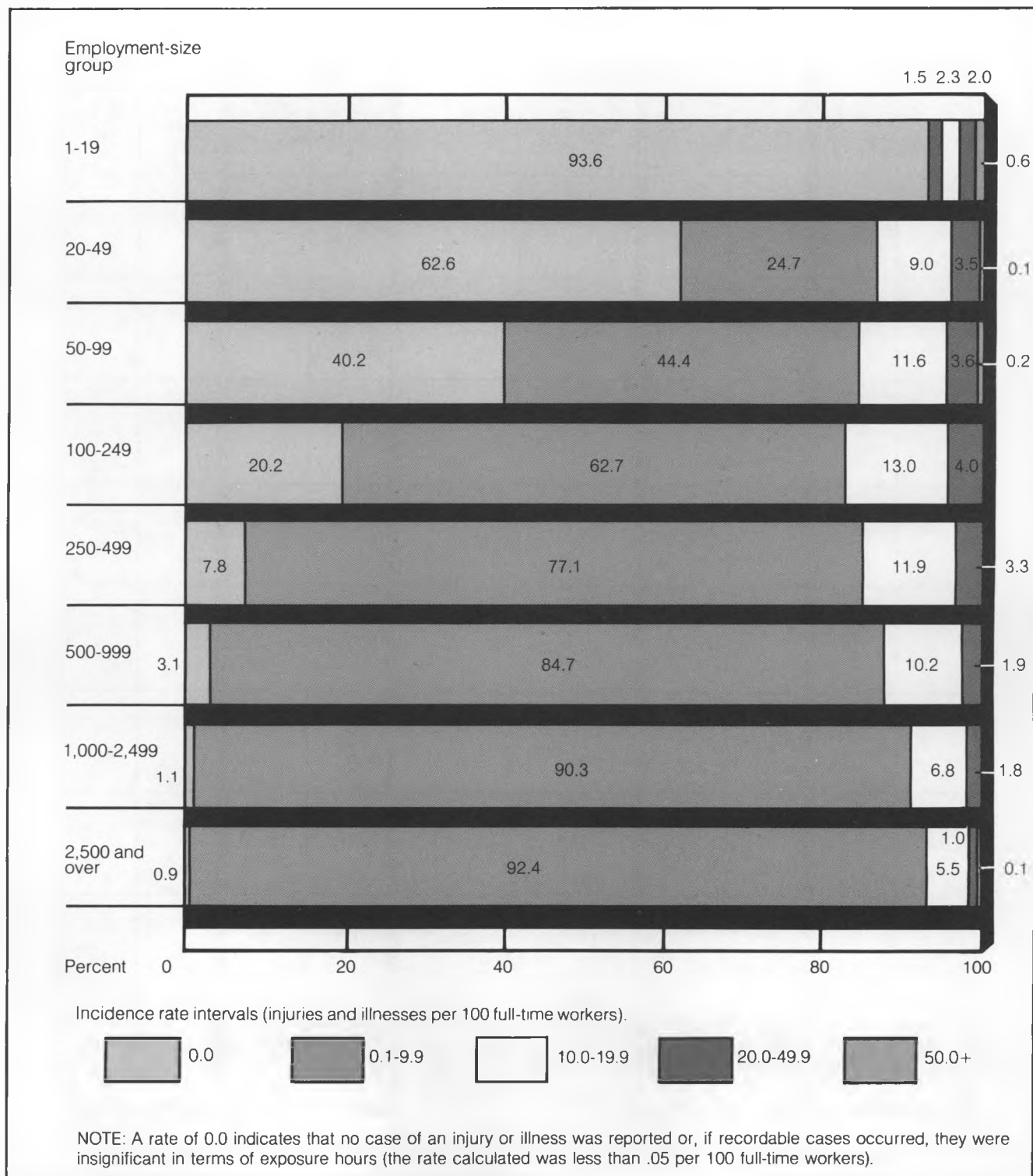




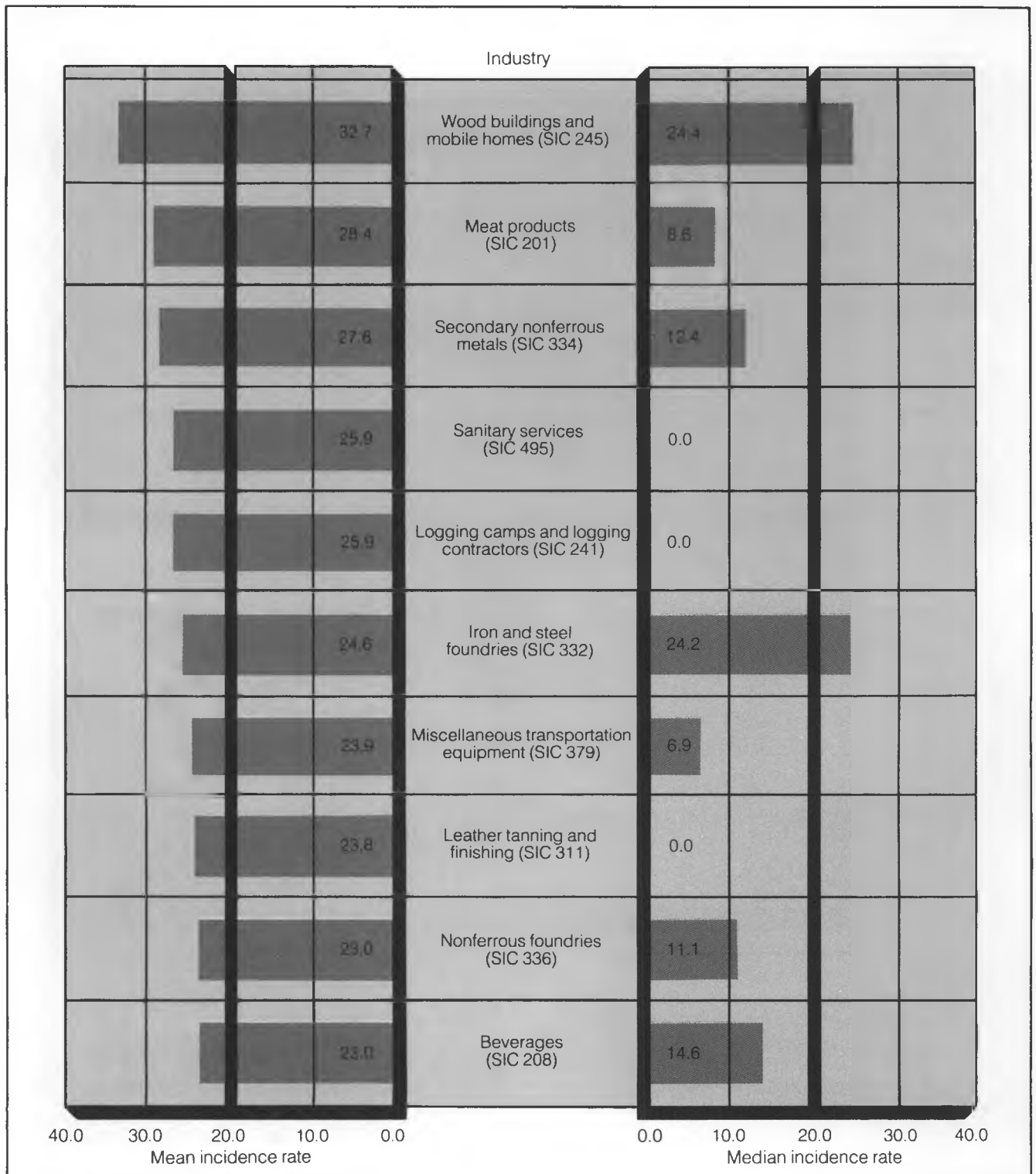
**Chart 2**  
**Percent distribution of private sector establishments by total INJURY AND ILLNESS incidence rate interval and employment-size group, United States, 1978**



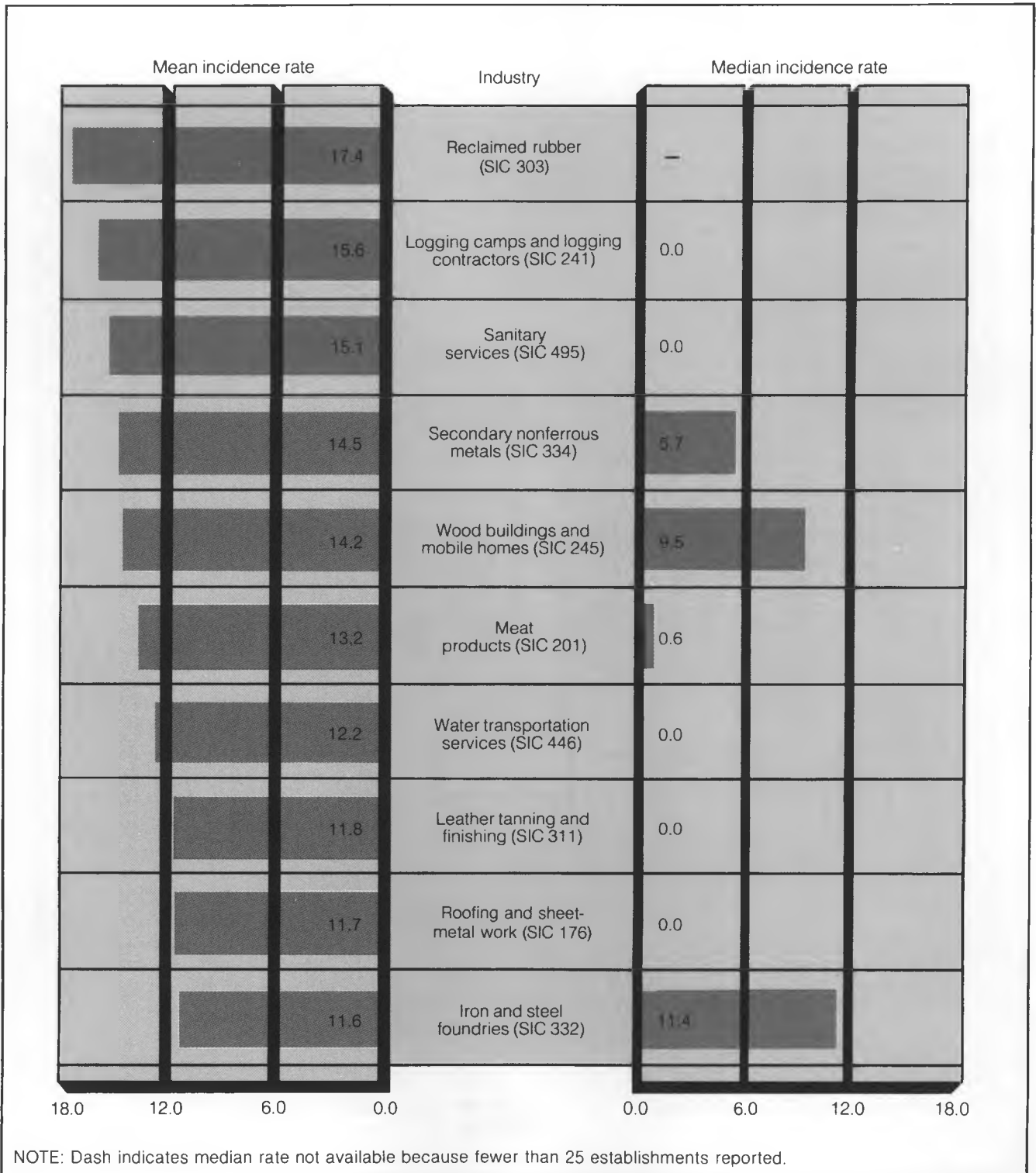
**Chart 3**  
**Percent distribution of private**  
**sector establishments by lost**  
**workday INJURY AND ILLNESS**  
**incidence rate interval and**  
**employment-size group, United**  
**States, 1978**



**Chart 4**  
**Mean and median distribution of**  
**total INJURY AND ILLNESS**  
**incidence rates for 3-digit SIC**  
**industries with the highest total**  
**case rates, United States, 1978**

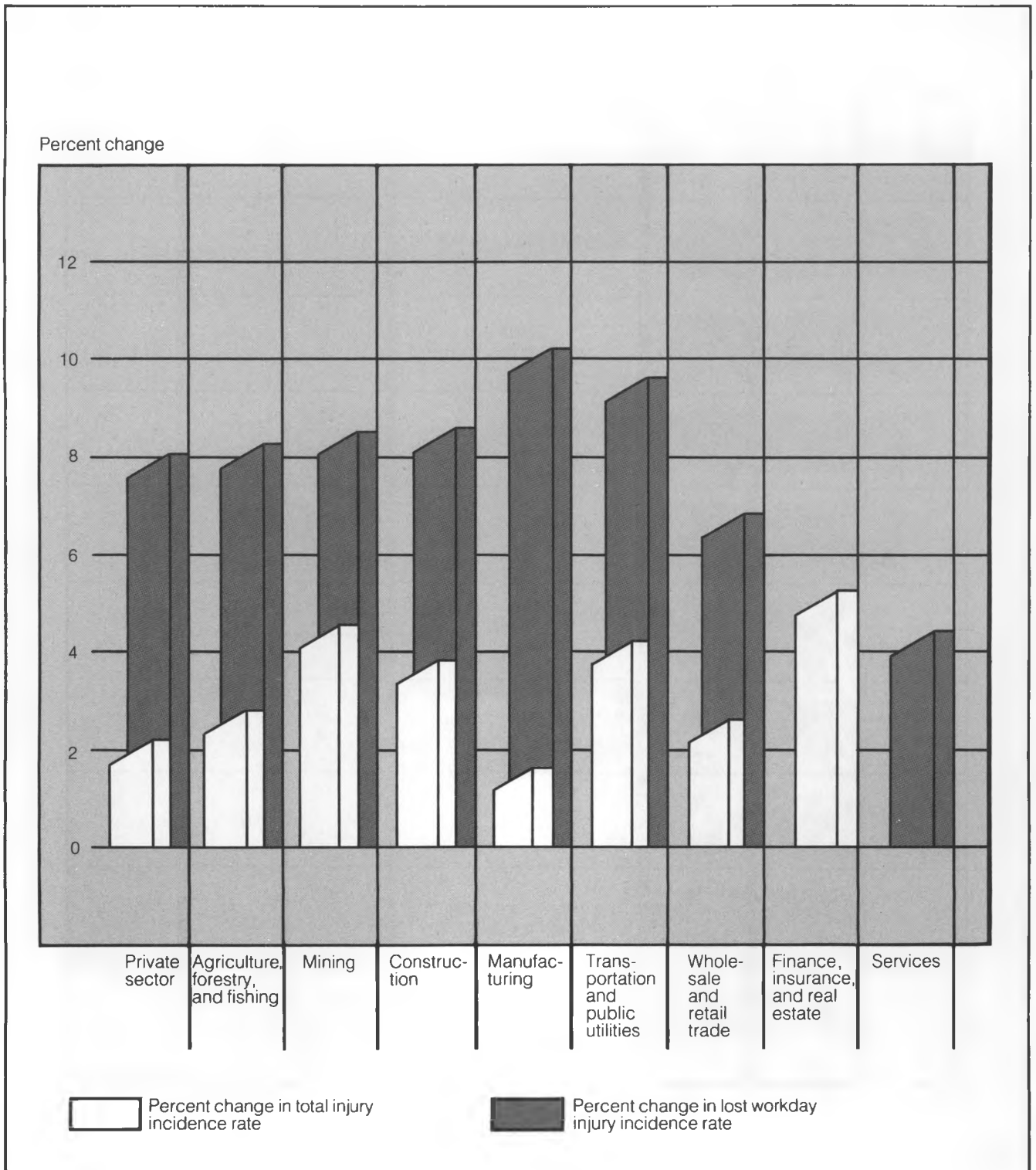


**Chart 5**  
**Mean and median distribution of**  
**lost workday INJURY AND ILLNESS**  
**incidence rates for 3-digit SIC**  
**industries with the highest lost**  
**workday case rates, United States,**  
**1978**





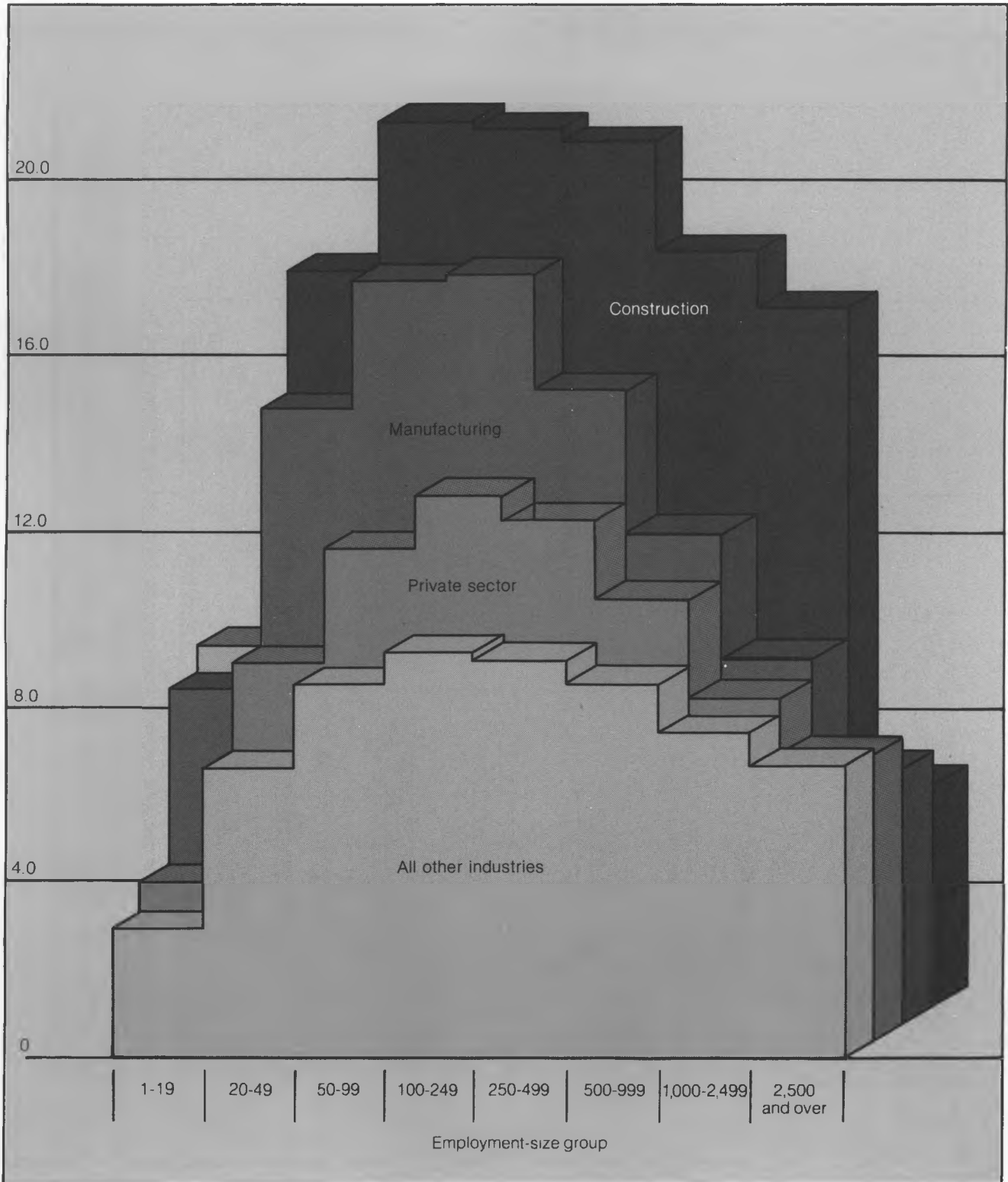
**Chart 6**  
**Percent change in total INJURY**  
**incidence rates and lost workday**  
**INJURY incidence rates by industry**  
**division, United States, 1977 to**  
**1978**



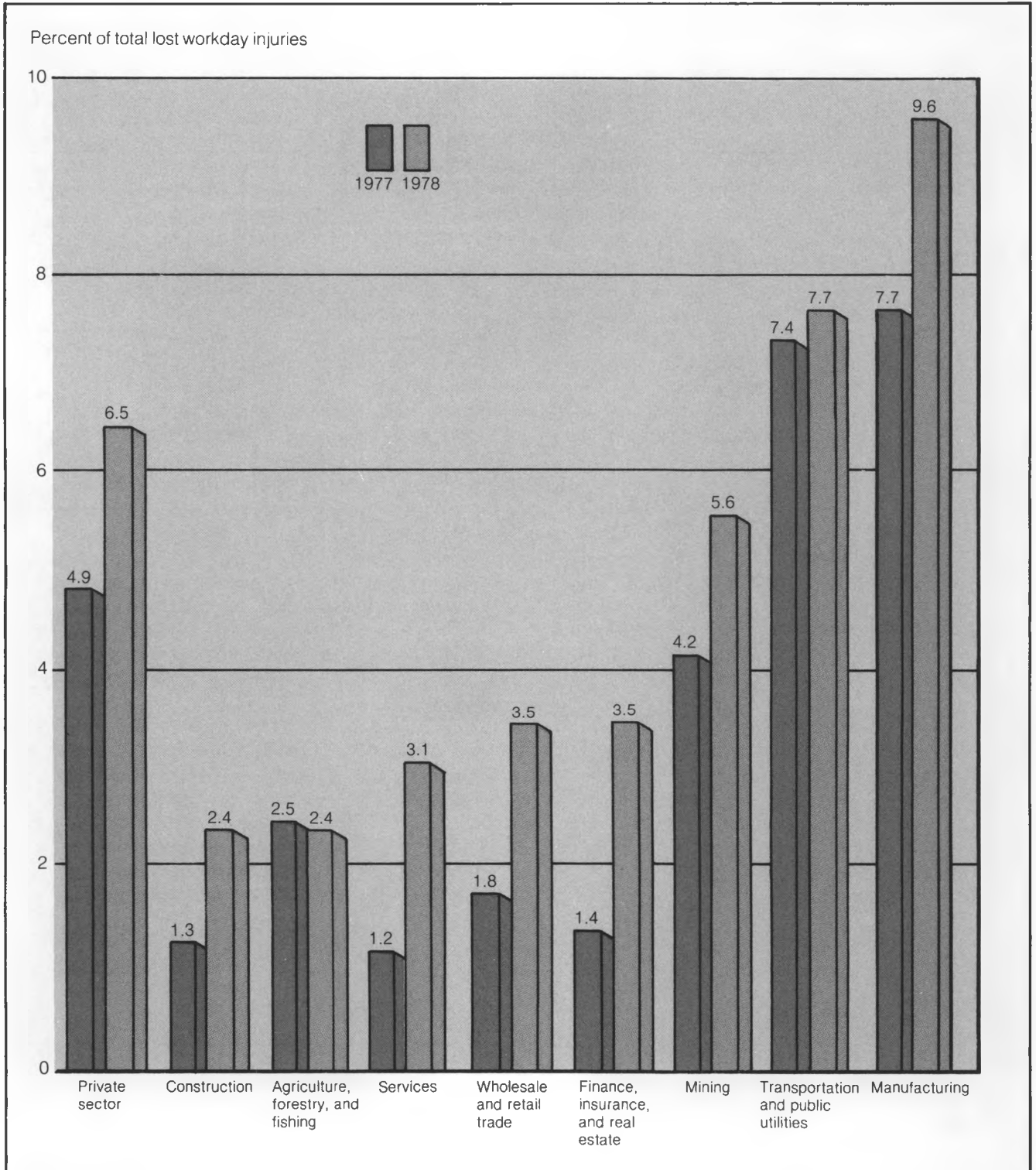
**Chart 7**  
**INJURY incidence rates by**  
**employment-size group, United**  
**States, 1978**

Incidence rate per 100 full-time workers

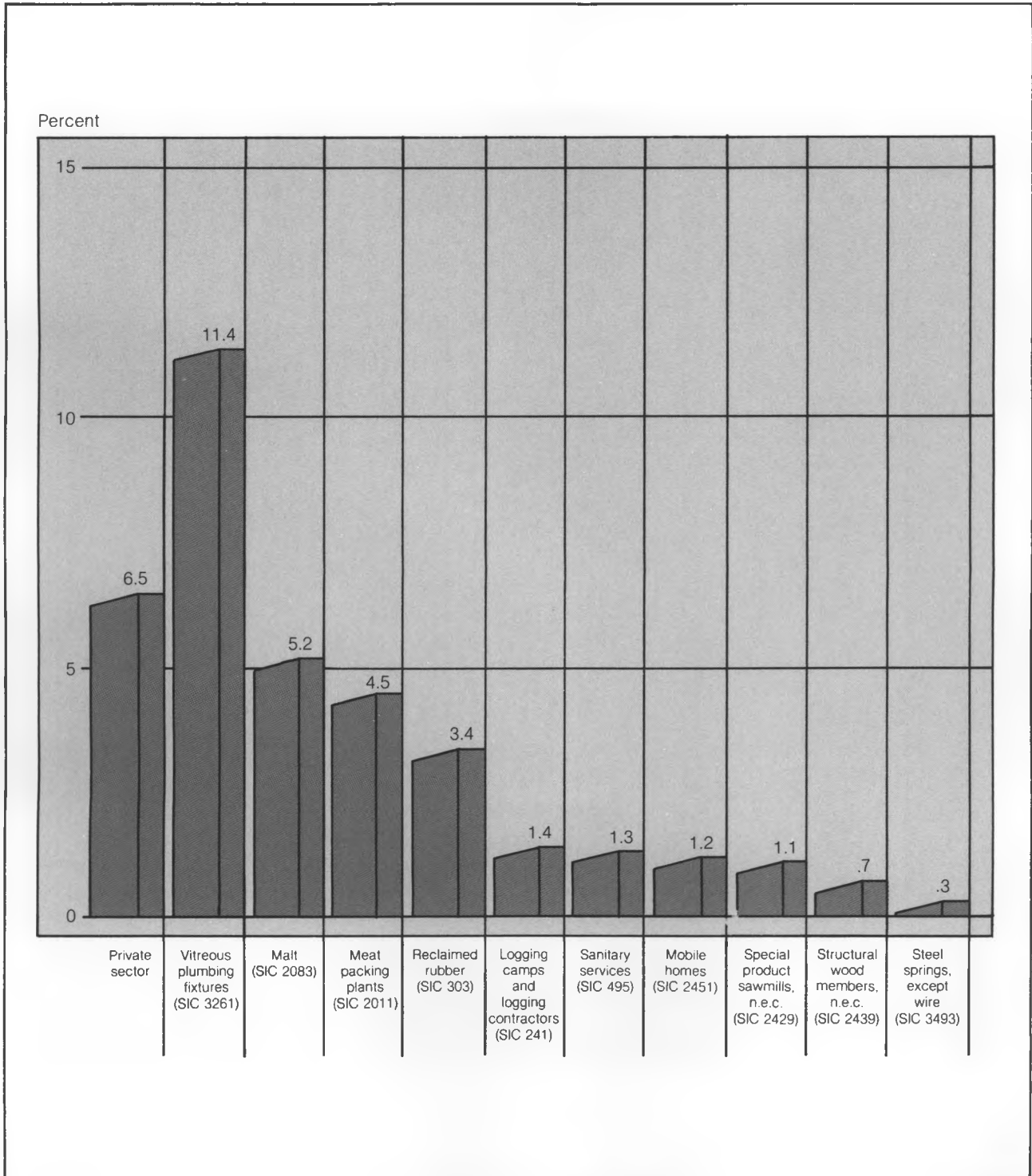
24.0



**Chart 8**  
**Percent of lost workday INJURIES**  
**involving days of restricted work**  
**activity only by industry division,**  
**United States, 1977 and 1978**

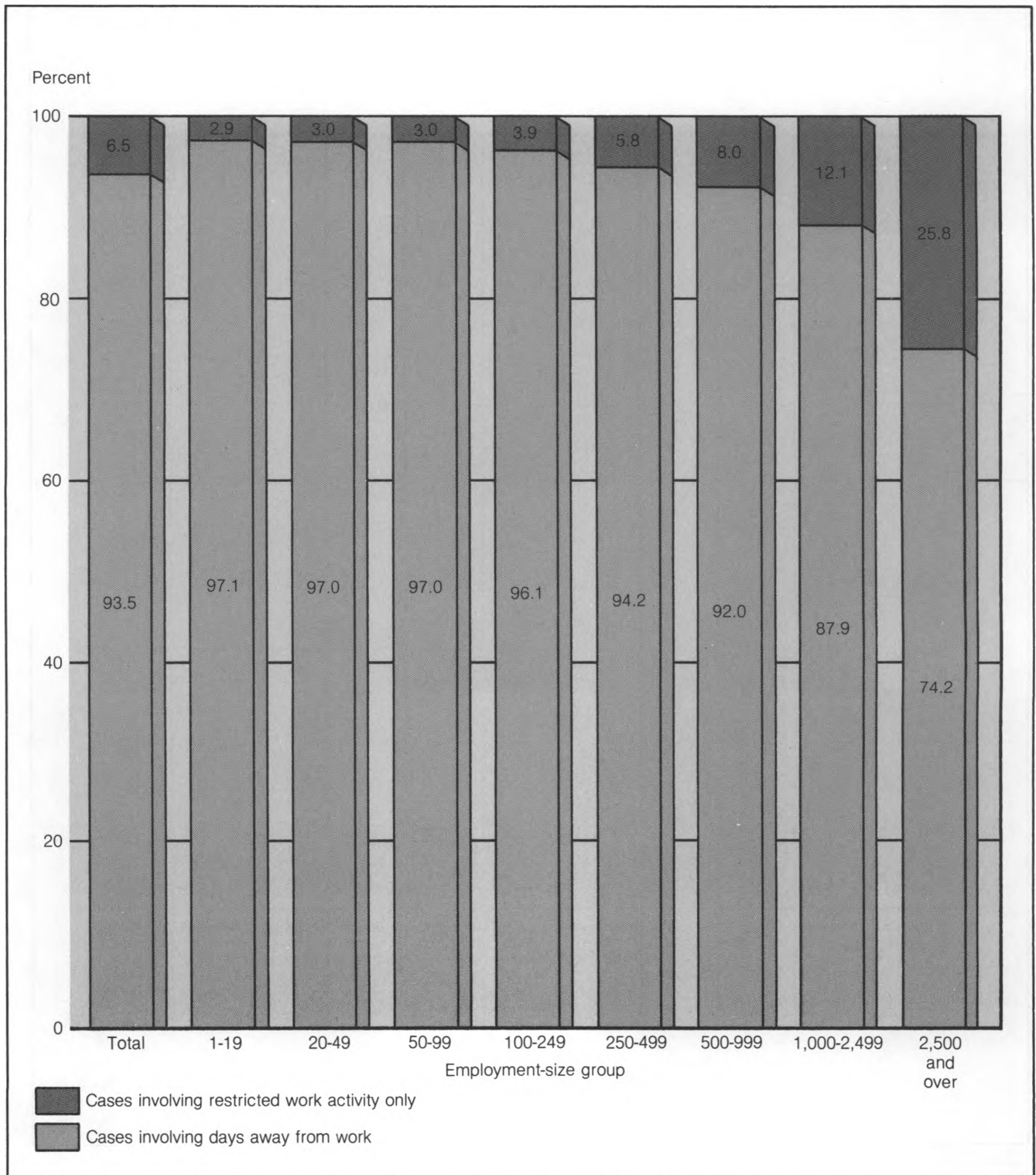


**Chart 9**  
**Percent of lost workday INJURIES**  
**involving restricted work**  
**activity only for the industries**  
**with the highest lost workday**  
**INJURY rates, United States,**  
**1978**

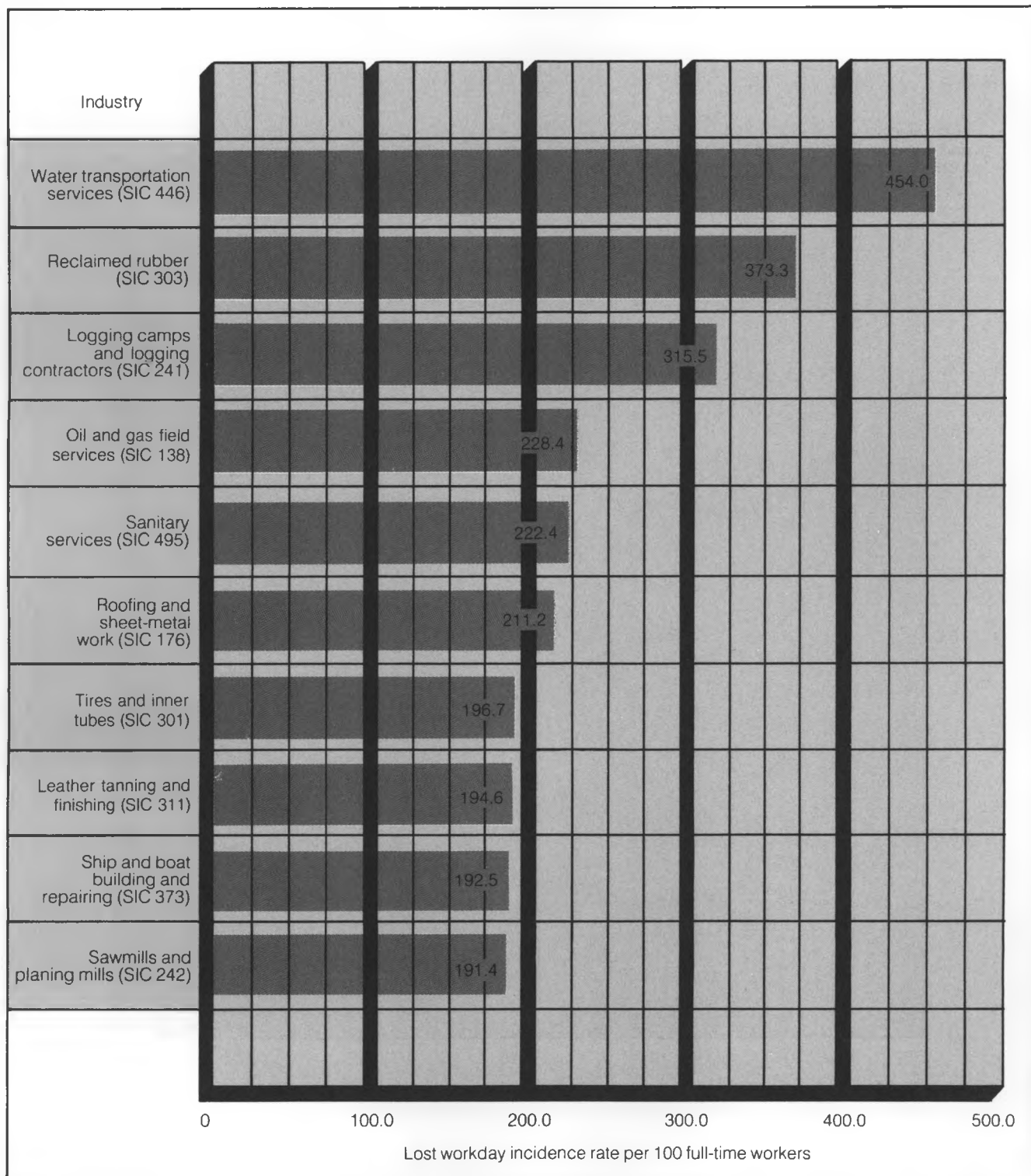




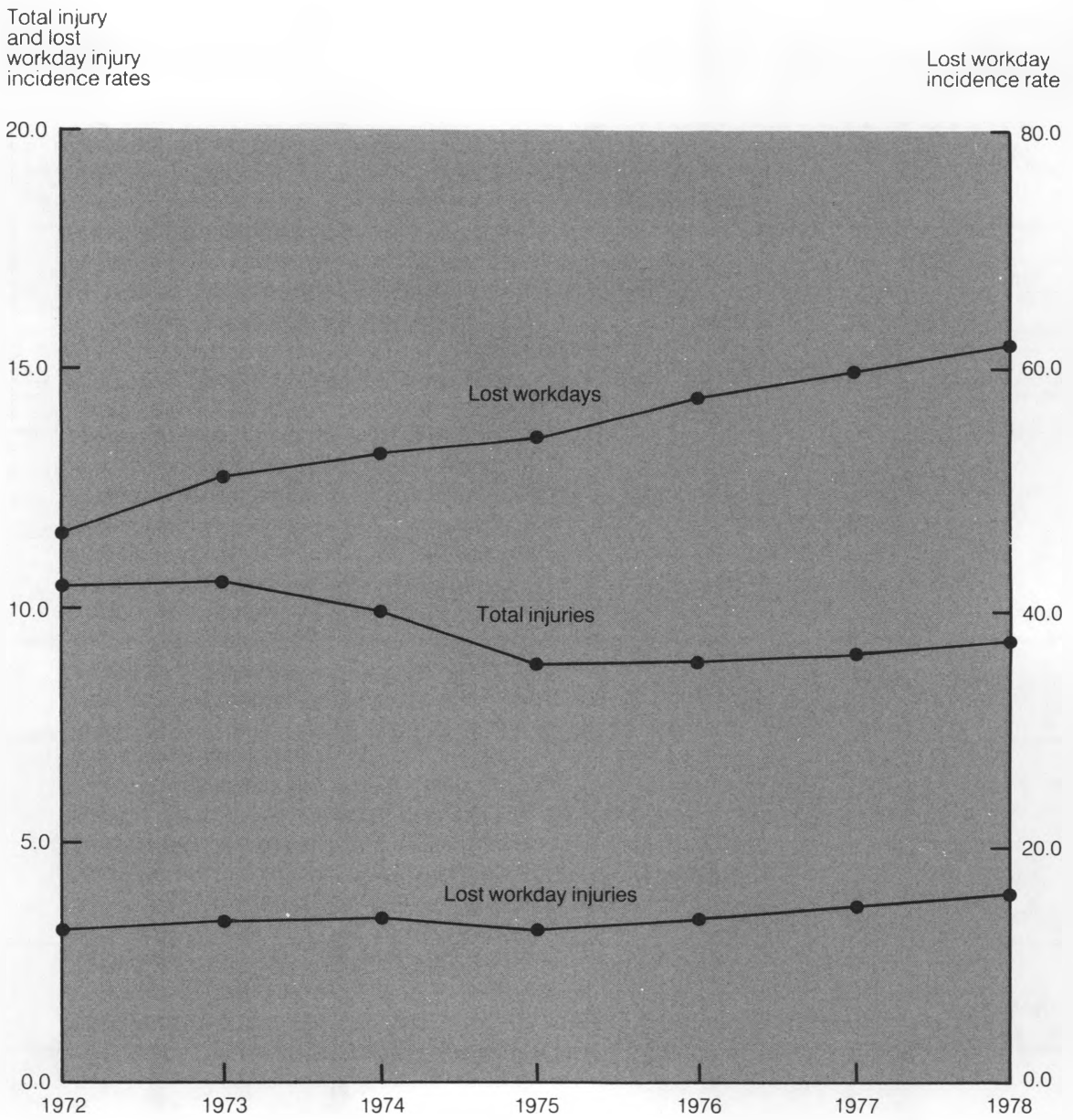
**Chart 10**  
**INJURIES involving days away**  
**from work and days of restricted**  
**work activity only, as a percent**  
**of total lost workday INJURIES**  
**by employment-size group,**  
**United States, 1978**



**Chart 11**  
**Ranking of the 3-digit SIC industries**  
**with the highest INJURY incidence**  
**rates of lost workdays, United**  
**States, 1978**



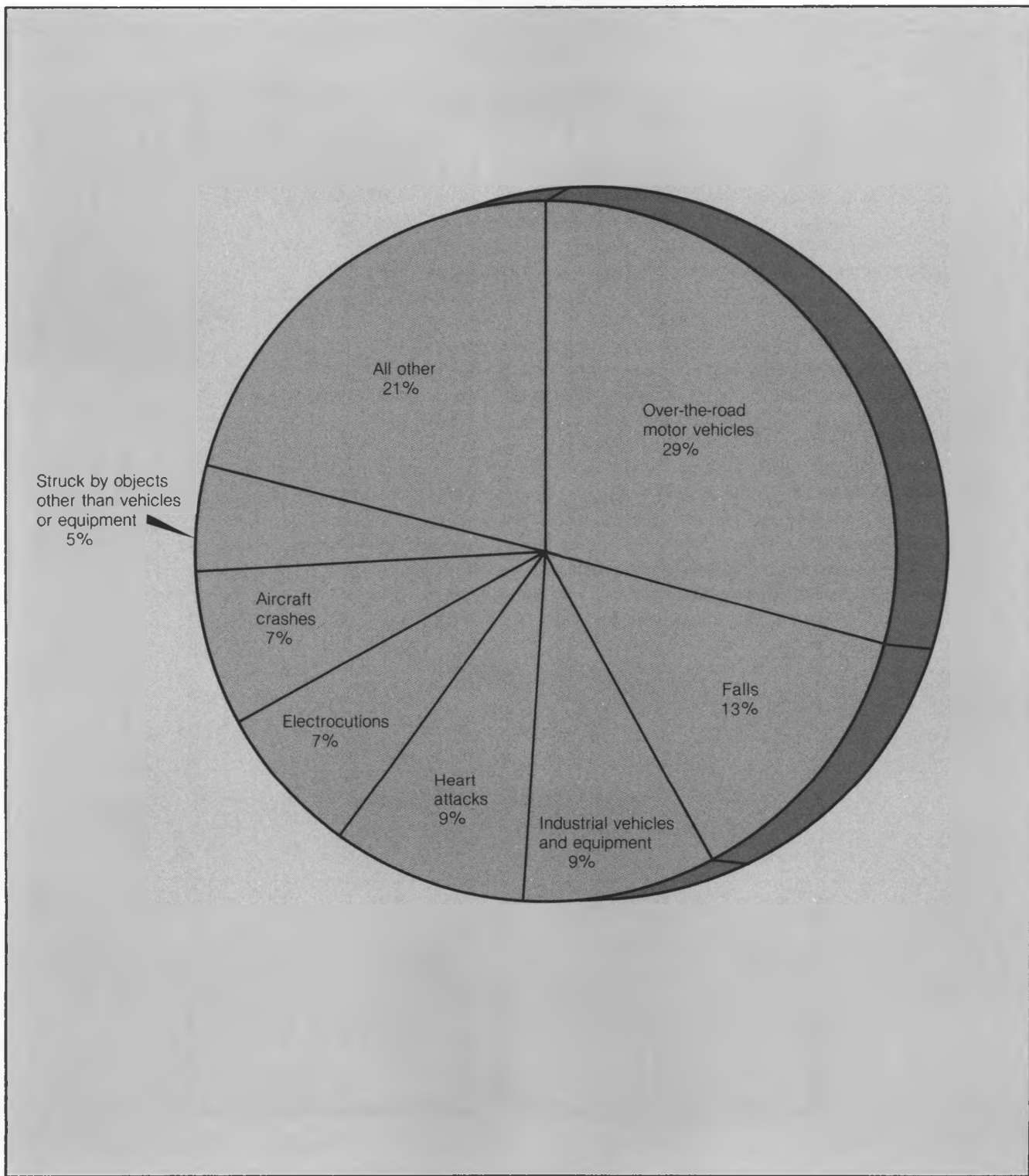
**Chart 12**  
**INJURY** incidence rates for total  
injuries, lost workday injuries,  
and lost workdays, private sector,  
United States, 1972-78



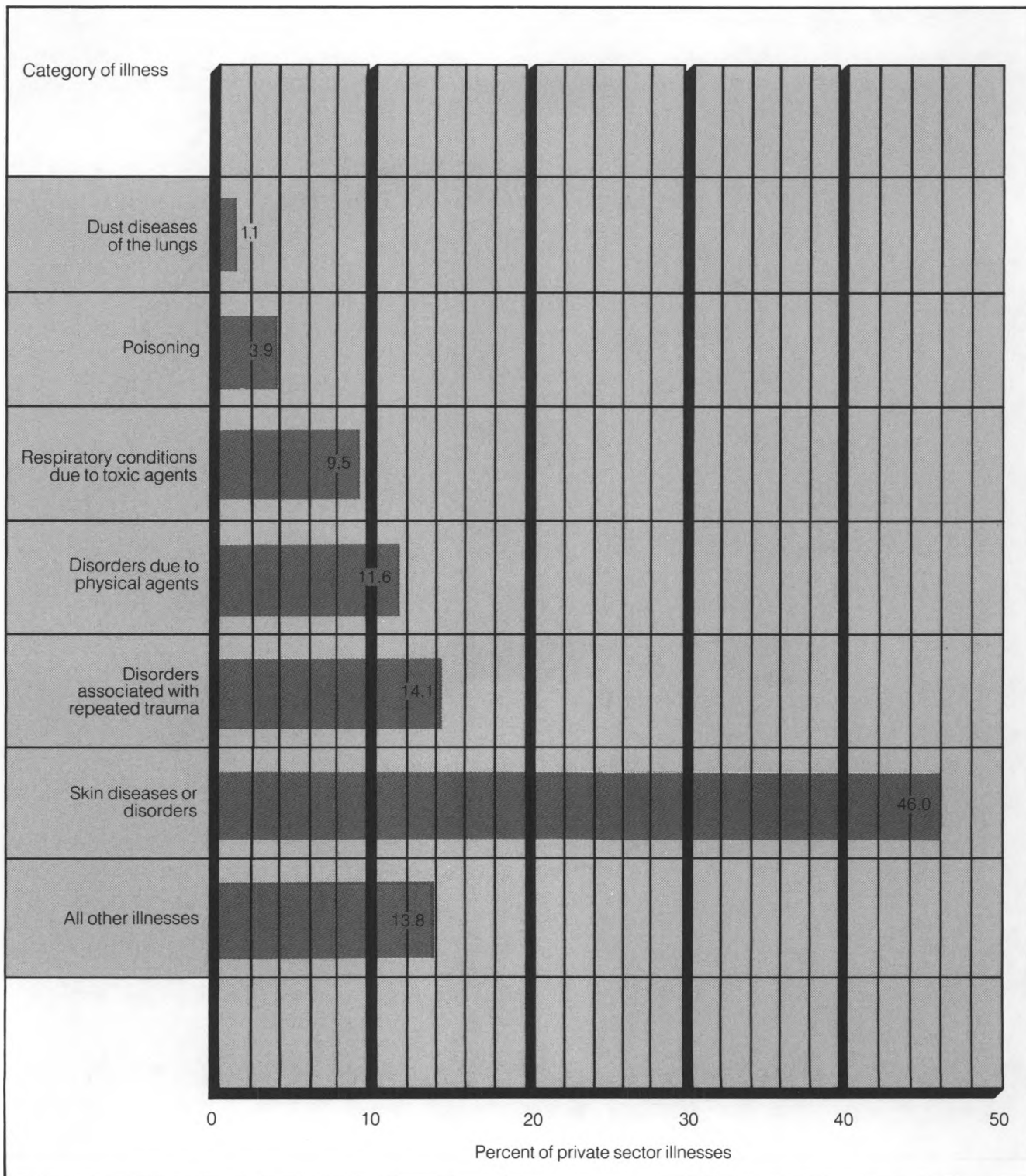
NOTE: Incidence rates represent the number of total injuries, lost workday injuries, or lost workdays per 100 full-time workers.



**Chart 13**  
**Percent of INJURY AND ILLNESS**  
**fatalities for employers with**  
**11 or more employees by cause,**  
**private sector, United States,**  
**1978**



**Chart 14**  
**Percent distribution of total**  
**ILLNESSES by category of illness,**  
**United States, 1978**



**Table 1. Occupational injury and illness incidence rates by industry, United States, 1977 and 1978<sup>1</sup>**

Industry 2/	SIC code 3/	1978 annual average employment (in thousands) 4/	Incidence rates per 100 full-time workers 5/							
			Total cases 6/		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
			1977	1978	1977	1978	1977	1978	1977	1978
Private sector 7/.....		71,532.8	9.3	9.4	3.8	4.1	5.5	5.3	61.6	63.5
Agriculture, forestry, and fishing 7/.....		890.8	11.5	11.6	5.1	5.4	6.3	6.2	81.1	80.7
Agricultural production 7/.....	01-02	n.a.	11.9	12.8	5.3	5.8	6.6	7.0	79.4	81.3
Agricultural services.....	07	n.a.	11.0	10.3	4.9	5.0	6.1	5.3	87.4	80.2
Forestry.....	08	n.a.	13.0	11.0	5.3	5.1	7.6	5.9	63.6	79.1
Fishing, hunting, and trapping.....	09	n.a.	6.3	4.1	2.3	2.4	4.0	1.6	45.3	75.3
Mining 8/.....		851.0	10.9	11.5	6.0	6.4	4.9	5.0	128.8	143.2
Metal mining 8/.....	10	92.8	7.4	10.0	4.5	5.4	2.8	4.6	83.9	113.9
Anthracite mining 8/.....	11	n.a.	21.6	19.6	10.6	11.5	10.6	8.0	237.6	310.5
Bituminous coal and lignite mining 8/.....	12	205.4	12.4	10.1	7.8	7.3	4.5	2.7	167.1	170.3
Oil and gas extraction.....	13	430.0	12.9	13.9	6.3	6.9	6.5	6.9	143.7	154.4
Crude petroleum and natural gas.....	131	n.a.	-	4.4	-	2.1	-	2.3	-	42.7
Oil and gas field services.....	138	246.1	-	20.3	-	10.2	-	10.0	-	229.7
Nonmetallic minerals, except fuels 8/.....	14	119.1	5.1	6.9	3.3	4.1	1.8	2.7	58.0	88.0
Construction.....		4,271.0	15.5	16.0	5.9	6.4	9.6	9.6	111.5	109.4
General building contractors.....	15	1,240.7	15.0	15.9	5.7	6.3	9.3	9.6	100.2	105.3
Residential building construction.....	152	657.2	12.9	13.3	5.6	5.9	7.3	7.4	98.9	101.5
Operative builders.....	153	81.4	12.8	15.7	4.7	6.3	8.1	9.3	54.2	76.4
Nonresidential building construction.....	154	502.0	17.9	19.2	6.0	6.6	11.9	12.5	109.7	114.9
Heavy construction contractors.....	16	850.5	16.0	16.6	5.7	6.2	10.2	10.3	116.7	110.9
Highway and street construction.....	161	265.6	15.1	15.2	5.5	5.8	9.6	9.4	112.1	105.9
Heavy construction, except highway.....	162	584.9	16.4	17.2	5.8	6.4	10.5	10.7	118.8	113.2
Special trade contractors.....	17	2,179.3	15.6	15.8	6.1	6.6	9.5	9.2	115.5	111.0
Plumbing, heating, and air conditioning.....	171	517.5	17.1	16.9	5.5	5.9	11.6	11.0	94.5	93.4
Painting, paperhanging, and decorating.....	172	137.5	9.6	9.4	4.5	4.6	5.1	4.8	101.9	99.0
Electrical work.....	173	370.5	13.3	14.0	4.5	4.7	8.8	9.3	92.9	71.4
Masonry, stonework, and plastering.....	174	350.5	15.6	15.6	7.2	7.4	8.3	8.2	133.4	121.1
Carpentering and flooring.....	175	139.1	14.7	13.6	7.2	7.3	7.4	6.3	119.5	128.6
Roofing and sheet-metal work.....	176	158.3	21.1	22.5	9.8	11.7	11.3	10.7	197.7	212.7
Concrete work.....	177	n.a.	14.6	14.6	6.4	6.6	8.2	7.9	132.1	122.2
Water well drilling.....	178	n.a.	14.2	12.8	7.2	6.5	7.1	6.2	136.4	126.7
Miscellaneous special trade contractors.....	179	n.a.	16.6	16.9	6.3	7.2	10.2	9.6	122.1	124.4
Manufacturing.....		20,476.0	13.1	13.2	5.1	5.6	8.0	7.6	82.3	84.9
Durable goods.....		12,246.0	14.0	14.2	5.4	5.9	8.6	8.3	86.4	89.1
Lumber and wood products.....	24	752.4	22.3	22.6	10.4	11.1	11.9	11.5	178.0	178.8
Logging camps and logging contractors.....	241	85.4	26.3	25.9	15.4	15.6	10.7	10.2	329.9	316.2
Sawmills and planing mills.....	242	230.7	21.1	21.7	10.1	11.1	10.9	10.6	184.1	192.9
Sawmills and planing mills, general.....	2421	190.2	21.0	21.2	10.3	11.1	10.6	10.2	192.7	195.3
Hardwood dimension and flooring.....	2426	33.5	19.7	20.8	7.7	8.8	12.0	11.9	117.8	149.4
Special product sawmills, n.e.c.....	2429	n.a.	35.1	43.6	18.7	24.8	16.3	18.7	278.2	369.4
Millwork, plywood, and structural members.....	243	222.8	19.7	20.4	8.7	9.6	10.9	10.8	156.3	139.6
Millwork.....	2431	79.3	22.4	23.0	9.5	10.2	12.8	12.8	128.6	137.7
Wood kitchen cabinets.....	2434	49.5	17.1	17.8	7.9	8.5	9.2	9.2	107.5	114.6
Hardwood veneer and plywood.....	2435	27.3	19.2	20.0	7.7	8.9	11.5	11.1	141.6	128.7
Softwood veneer and plywood.....	2436	49.5	16.0	16.2	7.4	8.5	8.6	7.7	154.5	161.6
Structural wood members, n.e.c.....	2439	n.a.	27.1	31.2	13.9	15.1	13.2	16.1	190.4	172.0
Wood containers.....	244	43.4	20.3	21.4	9.9	10.9	10.3	10.4	161.8	162.1
Nailed wood boxes and shooks.....	2441	n.a.	20.4	23.3	9.1	11.4	11.3	11.8	146.5	160.3
Wood pallets and skids.....	2448	n.a.	20.4	21.9	11.0	11.7	9.3	10.2	169.0	172.3
Wood containers, n.e.c.....	2449	n.a.	19.9	18.5	8.6	8.9	11.2	9.5	160.6	143.0
Wood buildings and mobile homes.....	245	87.0	32.9	32.7	13.7	14.2	19.2	18.5	175.3	177.2
Mobile homes.....	2451	59.4	35.7	34.8	14.7	15.2	21.0	19.5	192.8	196.3
Prefabricated wood buildings.....	2452	n.a.	26.4	28.2	11.4	11.9	15.0	16.3	134.2	135.6
Miscellaneous wood products.....	249	83.2	19.6	18.5	7.9	8.1	11.7	10.4	140.7	127.2
Wood preserving.....	2491	n.a.	21.3	18.7	8.6	8.9	12.6	9.8	161.5	152.1
Particleboard.....	2492	n.a.	16.6	13.4	6.0	6.1	10.5	7.2	101.0	122.8
Wood products, n.e.c.....	2499	n.a.	19.5	19.1	7.9	8.2	11.6	10.9	139.6	122.4
Furniture and fixtures.....	25	491.1	17.2	17.5	6.0	6.9	11.2	10.6	92.0	95.9
Household furniture.....	251	329.9	16.2	16.5	5.5	6.5	10.6	10.0	86.1	91.7
Wood household furniture.....	2511	146.5	15.8	16.4	5.1	6.2	10.7	10.2	87.1	89.4
Upholstered household furniture.....	2512	101.6	15.4	15.4	5.0	6.1	10.4	9.3	73.3	88.0
Metal household furniture.....	2514	32.4	18.3	17.8	6.7	7.2	11.6	10.6	101.3	96.5
Mattresses and bedsprings.....	2515	32.6	18.1	18.1	7.3	8.3	10.7	9.8	103.7	111.9
Wood TV and radio cabinets.....	2517	n.a.	15.7	16.8	6.0	6.2	9.7	10.6	82.9	86.0
Household furniture, n.e.c.....	2519	n.a.	17.1	20.4	5.8	6.8	11.3	13.5	97.8	85.0
Office furniture.....	252	46.7	20.5	18.4	7.2	7.7	13.3	10.7	113.4	104.3
Wood office furniture.....	2521	n.a.	18.9	18.3	6.8	7.9	12.1	10.4	106.2	98.2
Metal office furniture.....	2522	n.a.	21.4	18.4	7.4	7.5	13.9	10.9	117.2	107.5
Public building and related furniture.....	253	25.6	18.8	21.3	7.5	7.9	11.3	13.4	109.3	107.0
Partitions and fixtures.....	254	61.7	18.5	20.2	6.8	8.1	11.7	12.1	98.1	105.8
Wood partitions and fixtures.....	2541	n.a.	15.9	19.1	5.8	7.7	10.0	11.4	88.9	104.7
Metal partitions and fixtures.....	2542	n.a.	21.4	21.5	7.8	8.6	13.6	12.9	108.7	107.0

See footnotes at end of table.

**Table 1. Continued—Occupational injury and illness incidence rates by industry, United States, 1977 and 1978<sup>1</sup>**

Industry 2/	SIC code 3/	1978 annual average employment (in thousands) 4/	Incidence rates per 100 full-time workers 5/							
			Total cases 6/		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
			1977	1978	1977	1978	1977	1978	1977	1978
Miscellaneous furniture and fixtures.....	259	27.1	20.2	19.0	6.9	7.0	13.3	11.9	99.0	100.9
Drapery hardware and blinds and shades..	2591	n.a.	17.1	16.9	5.5	5.9	11.6	10.9	91.2	76.7
Furniture and fixtures, n.e.c.....	2599	n.a.	24.3	21.7	8.7	8.5	15.5	13.2	109.2	133.3
Stone, clay, and glass products.....	32	698.0	16.9	16.8	6.9	7.8	9.9	9.0	120.4	126.3
Flat glass.....	321	20.0	19.4	18.1	4.7	5.3	14.7	12.8	98.1	95.8
Glass and glassware, pressed or blown....	322	135.8	15.0	14.6	6.8	7.6	8.2	7.0	136.2	134.5
Glass containers.....	3221	76.9	16.6	15.7	8.6	9.3	8.0	6.4	182.4	176.5
Pressed and blown glass, n.e.c.....	3229	58.9	12.9	13.1	4.4	5.3	8.5	7.8	75.0	79.1
Products of purchased glass.....	323	47.2	19.9	20.5	6.7	7.7	13.2	12.8	104.0	99.3
Structural clay products.....	325	50.8	18.1	18.5	8.2	8.9	9.9	9.6	134.1	131.4
Brick and structural clay tile.....	3251	n.a.	20.7	21.2	9.2	10.4	11.5	10.8	149.1	149.4
Ceramic wall and floor tile.....	3253	n.a.	12.6	14.2	5.3	6.0	7.3	8.2	90.2	83.2
Clay refractories.....	3255	n.a.	14.7	14.6	6.6	6.7	8.1	7.9	113.9	114.5
Structural clay products, n.e.c.....	3259	n.a.	24.4	24.0	12.7	13.1	11.7	10.9	189.2	183.1
Pottery and related products.....	326	46.2	16.4	16.7	7.4	8.2	8.9	8.5	114.8	116.2
Vitreous plumbing fixtures.....	3261	n.a.	28.5	29.5	13.5	15.2	15.0	14.3	185.6	216.8
Vitreous china food utensils.....	3262	n.a.	8.3	11.0	5.7	6.9	2.6	4.1	128.6	134.9
Fine earthenware food utensils.....	3263	n.a.	13.6	13.9	7.7	7.1	5.9	6.8	108.7	111.3
Porcelain electrical supplies.....	3264	n.a.	12.2	14.4	5.1	5.8	7.1	8.6	99.9	77.1
Pottery products, n.e.c.....	3269	n.a.	13.8	12.2	5.1	5.8	8.7	6.4	70.2	71.5
Concrete, gypsum, and plaster products...	327	210.8	18.4	18.1	7.7	8.4	10.6	9.7	127.1	135.0
Concrete block and brick.....	3271	24.2	18.6	19.4	8.3	9.0	10.3	10.3	138.8	148.1
Concrete products, n.e.c.....	3272	72.2	24.5	24.2	10.3	11.7	14.1	12.5	159.5	165.8
Ready-mixed concrete.....	3273	93.0	15.9	15.7	6.6	7.0	9.3	8.6	111.9	123.1
Lime.....	3274	n.a.	-	13.3	-	6.7	-	6.6	-	131.4
Gypsum products.....	3275	n.a.	7.2	6.1	2.2	2.1	5.0	4.0	48.2	58.0
Cut stone and stone products.....	328	n.a.	16.6	14.2	7.4	6.3	9.2	7.9	93.8	115.5
Miscellaneous nonmetallic mineral products.....	329	142.7	15.9	16.7	6.3	7.7	9.6	9.0	106.6	124.1
Abrasive products.....	3291	28.1	20.5	18.8	7.1	7.8	13.4	11.0	105.4	120.1
Asbestos products.....	3292	22.3	15.9	17.7	7.1	9.1	8.8	8.6	158.7	166.6
Gaskets, packing, and sealing devices...	3293	n.a.	15.2	16.5	5.5	6.7	9.6	9.8	85.1	104.8
Mineral wool.....	3296	31.1	11.8	14.1	5.1	6.6	6.7	7.4	87.3	103.4
Nonclay refractories.....	3297	n.a.	19.4	18.8	9.5	10.0	9.9	8.8	158.2	167.4
Primary metal industries.....	33	1,212.7	16.2	17.0	6.8	7.5	9.4	9.5	119.4	123.6
Blast furnace and basic steel products...	331	559.6	12.2	13.0	4.6	5.0	7.6	8.0	94.3	95.9
Blast furnaces and steel mills.....	3312	471.7	10.4	11.1	3.8	4.1	6.6	7.0	84.4	85.8
Electrometallurgical products.....	3313	n.a.	14.7	14.9	5.5	6.4	9.2	8.5	106.6	116.1
Steel wire and related products.....	3315	n.a.	22.4	20.2	10.5	9.2	11.9	11.0	165.1	149.6
Cold finishing of steel shapes.....	3316	n.a.	27.8	27.1	10.3	11.8	17.4	15.3	178.1	179.5
Steel pipe and tubes.....	3317	30.0	22.0	27.1	9.1	11.2	12.9	15.9	142.1	151.8
Iron and steel foundries.....	332	236.4	24.4	24.6	10.9	11.6	13.5	13.0	164.0	169.2
Gray iron foundries.....	3321	150.3	25.0	24.4	11.4	11.5	13.6	12.9	162.0	159.1
Malleable iron foundries.....	3322	22.2	26.7	25.0	11.2	11.1	15.4	13.9	179.1	158.7
Steel foundries, n.e.c.....	3325	52.6	23.4	26.6	10.3	12.8	13.0	13.8	180.9	215.3
Primary nonferrous metals.....	333	70.1	12.5	13.0	5.2	6.0	7.3	7.0	113.9	110.8
Primary copper.....	3331	n.a.	11.4	10.4	5.8	4.7	5.6	5.7	155.7	118.8
Primary lead.....	3332	n.a.	18.4	17.0	5.8	9.4	12.6	7.6	139.8	145.9
Primary zinc.....	3333	n.a.	14.9	17.0	7.2	9.8	7.6	7.2	175.9	181.6
Primary aluminum.....	3334	35.4	11.6	12.5	4.6	5.4	7.0	7.1	96.1	99.3
Primary nonferrous metals, n.e.c.....	3339	n.a.	13.8	13.8	5.3	6.0	8.5	7.8	79.8	96.8
Secondary nonferrous metals.....	334	n.a.	29.3	27.6	13.8	14.5	15.4	13.0	218.6	265.6
Nonferrous rolling and drawing.....	335	208.8	14.2	15.5	5.8	7.0	8.4	8.5	102.6	116.6
Copper rolling and drawing.....	3351	32.0	17.7	19.4	6.7	8.6	11.0	10.8	123.7	145.0
Aluminum sheet, plate, and foil.....	3353	33.7	11.4	11.5	4.4	4.4	6.9	7.1	71.6	69.4
Aluminum extruded products.....	3354	n.a.	14.7	17.6	6.4	8.8	8.3	8.8	118.1	154.4
Aluminum rolling and drawing, n.e.c.....	3355	n.a.	10.9	11.9	3.7	5.5	7.2	6.4	63.4	88.6
Nonferrous rolling and drawing, n.e.c.....	3356	n.a.	13.2	15.1	4.5	5.4	8.7	9.7	79.1	93.5
Nonferrous wire drawing and insulating...	3357	84.2	14.2	15.3	6.2	7.2	8.0	8.1	108.5	118.1
Nonferrous foundries.....	336	92.9	22.6	23.0	10.4	11.2	12.2	11.8	166.2	158.7
Aluminum foundries.....	3361	52.7	22.8	22.8	10.8	11.5	12.0	11.3	171.6	148.7
Brass, bronze, and copper foundries.....	3362	n.a.	23.9	25.8	10.7	11.7	13.2	14.1	173.3	167.9
Nonferrous foundries, n.e.c.....	3369	n.a.	21.0	21.0	9.3	10.2	11.7	10.8	147.2	173.8
Miscellaneous primary metal products.....	339	n.a.	20.5	21.4	9.2	10.5	11.3	10.9	155.5	139.2
Metal heat treating.....	3398	n.a.	21.8	23.5	9.8	11.5	11.9	12.0	140.0	146.4
Primary metal products, n.e.c.....	3399	n.a.	19.0	18.9	8.5	9.3	10.5	9.6	174.4	130.3
Fabricated metal products.....	34	1,673.4	19.1	19.3	7.2	8.0	11.9	11.3	109.0	112.4
Metal cans and shipping containers.....	341	78.8	18.7	18.4	6.5	7.2	12.2	11.2	116.1	112.3
Metal cans.....	3411	65.2	18.0	17.6	6.3	6.9	11.7	10.6	109.2	108.5
Metal barrels, drums, and pails.....	3412	n.a.	22.1	22.5	7.9	8.5	14.2	14.0	151.2	130.9
Cutlery, hand tools, and hardware.....	342	183.1	16.0	17.8	6.0	7.2	10.0	10.6	91.9	106.0
Cutlery.....	3421	n.a.	13.3	15.0	4.3	5.1	9.0	9.9	65.2	74.2
Hand and edge tools, n.e.c.....	3423	n.a.	19.0	21.1	6.9	8.4	12.1	12.7	99.2	119.9
Hand saws and saw blades.....	3425	n.a.	19.3	19.6	6.3	7.1	13.0	12.4	87.2	91.2
Hardware, n.e.c.....	3429	103.6	14.8	16.4	5.8	7.0	9.0	9.4	93.0	105.0

See footnotes at end of table.

**Table 1. Continued—Occupational injury and illness incidence rates by industry, United States, 1977 and 1978<sup>1</sup>**

Industry 2/	SIC code 3/	1978 annual average employment (in thousands) 4/	Incidence rates per 100 full-time workers 5/							
			Total cases 6/		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
			1977	1978	1977	1978	1977	1978	1977	1978
Plumbing and heating, except electric.....	343	74.3	20.2	19.3	7.4	7.7	12.7	11.6	109.1	108.5
Metal sanitary ware.....	3431	n.a.	22.4	22.3	8.5	7.3	13.8	15.0	108.3	97.9
Plumbing fittings and brass goods.....	3432	27.9	14.9	14.1	6.2	6.4	8.7	7.7	92.9	92.5
Heating equipment, except electric.....	3433	35.5	23.6	22.5	8.1	8.8	15.5	13.7	122.6	124.8
Fabricated structural metal products.....	344	503.8	22.4	22.5	8.6	9.3	13.8	13.2	127.6	127.8
Fabricated structural metal.....	3441	98.9	25.4	25.7	10.8	12.1	14.5	13.5	160.4	176.9
Metal doors, sash, and trim.....	3442	85.9	24.1	22.2	8.6	8.2	15.5	14.0	120.8	106.1
Fabricated plate work.....	3443	145.9	19.4	19.9	7.5	8.2	11.8	11.7	110.5	108.5
Sheet-metal work.....	3444	103.9	23.6	24.0	8.6	9.3	15.0	14.7	136.5	121.6
Architectural metal work.....	3446	30.5	22.1	21.4	7.4	9.1	14.7	12.3	108.3	123.7
Prefabricated metal buildings.....	3448	n.a.	20.1	21.3	7.6	8.2	12.5	13.1	106.1	132.4
Miscellaneous metal work.....	3449	n.a.	21.0	23.0	8.3	9.7	12.7	13.3	131.5	144.9
Screw machine products, bolts, etc.....	345	110.0	16.5	17.0	5.4	6.2	11.1	10.8	83.9	81.1
Screw machine products.....	3451	52.4	15.9	16.8	5.0	5.6	10.9	11.2	73.8	70.5
Bolts, nuts, rivets, and washers.....	3452	57.6	17.1	17.1	5.7	6.7	11.3	10.4	92.6	90.9
Metal forgings and stampings.....	346	304.0	18.4	18.4	7.1	7.8	11.2	10.6	113.9	114.8
Iron and steel forgings.....	3462	50.8	28.1	24.8	12.9	12.1	15.1	12.7	121.6	194.5
Nonferrous forgings.....	3463	n.a.	11.3	14.0	4.4	7.0	6.9	7.0	72.5	143.5
Automotive stampings.....	3465	116.1	13.3	13.1	5.0	5.6	8.2	7.4	72.7	73.2
Crowns and closures.....	3466	n.a.	14.6	14.5	6.9	7.1	7.7	7.4	167.5	123.2
Metal stampings, n.e.c.....	3469	126.1	19.9	21.0	7.0	8.0	12.9	13.0	113.5	118.0
Metal services, n.e.c.....	347	103.3	17.8	18.1	7.2	7.8	10.5	10.3	99.1	106.1
Plating and polishing.....	3471	70.9	16.6	17.7	6.9	7.8	9.7	9.9	92.6	95.4
Metal coating and allied services.....	3479	32.5	20.5	19.0	8.0	7.8	12.5	11.2	113.9	132.6
Ordnance and accessories, n.e.c.....	348	60.4	8.6	9.3	3.3	3.8	5.2	5.5	57.2	59.4
Small arms ammunition.....	3482	n.a.	5.0	5.0	1.9	2.0	3.1	2.9	37.6	33.7
Ammunition, except for small arms, n.e.c.....	3483	26.3	8.9	9.7	3.2	3.6	5.7	6.1	59.6	57.4
Small arms.....	3484	n.a.	9.1	10.3	4.2	4.9	4.8	5.3	64.9	79.6
Ordnance and accessories, n.e.c.....	3489	n.a.	11.4	12.2	4.2	4.9	7.2	7.3	62.6	60.6
Miscellaneous fabricated metal products.....	349	255.8	19.8	19.4	7.3	8.1	12.5	11.3	104.4	113.4
Steel springs, except wire.....	3493	n.a.	30.0	29.0	13.5	13.5	16.5	15.4	179.3	188.2
Valves and pipe fittings.....	3494	101.2	18.6	18.1	6.8	7.3	11.8	10.8	91.6	100.2
Wire springs.....	3495	n.a.	18.4	16.6	5.8	6.2	12.6	10.3	95.7	107.1
Miscellaneous fabricated wire products.....	3496	53.0	21.5	21.0	8.3	8.9	13.2	12.0	135.5	122.2
Metal foil and leaf.....	3497	n.a.	19.7	20.1	7.6	8.1	12.1	12.0	126.5	107.6
Fabricated pipe and fittings.....	3498	n.a.	21.1	20.9	7.5	8.8	13.6	12.0	103.0	132.5
Fabricated metal products, n.e.c.....	3499	n.a.	18.6	18.9	6.4	8.0	12.1	10.9	86.7	108.5
Machinery, except electrical.....	35	2,319.2	14.0	14.4	4.7	5.4	9.3	9.0	69.9	75.1
Engines and turbines.....	351	134.8	12.2	12.4	4.2	5.2	8.0	7.2	70.9	89.2
Turbines and turbine generator sets.....	3511	43.2	10.2	9.3	3.5	3.1	6.7	6.2	51.3	47.9
Internal combustion engines, n.e.c.....	3519	91.6	13.3	14.0	4.6	6.2	8.7	7.8	82.4	110.2
Farm and garden machinery.....	352	162.7	18.2	18.2	6.6	6.9	11.5	11.3	89.2	88.5
Farm machinery and equipment.....	3523	143.5	18.2	17.6	6.7	6.8	11.5	10.8	90.4	86.8
Lawn and garden equipment.....	3524	n.a.	17.6	23.4	5.7	7.9	11.9	15.4	79.7	102.0
Construction and related machinery.....	353	376.0	17.1	18.5	6.6	7.8	10.5	10.7	96.9	106.4
Construction machinery.....	3531	165.5	16.3	17.2	6.3	7.4	10.0	9.8	90.2	96.0
Mining machinery.....	3532	35.0	20.1	21.5	7.5	7.8	12.6	13.6	109.1	116.9
Oil field machinery.....	3533	77.2	16.5	19.8	7.0	8.7	11.1	9.4	105.9	123.1
Elevators and moving stairways.....	3534	n.a.	15.5	13.4	5.1	4.4	10.4	9.0	94.2	63.5
Conveyors and conveying equipment.....	3535	32.9	18.7	21.7	6.7	8.8	11.9	12.9	78.8	120.0
Hoists, cranes, and monorails.....	3536	n.a.	20.5	17.8	7.5	7.1	13.0	10.7	130.1	111.6
Industrial trucks and tractors.....	3537	35.8	15.9	18.4	6.1	7.9	9.8	10.5	93.7	108.0
Metalworking machinery.....	354	346.7	14.1	14.0	4.0	4.5	10.1	9.5	62.7	66.2
Machine tools, metal cutting types.....	3541	71.6	13.6	13.0	4.1	4.5	9.5	8.5	69.4	70.4
Machine tools, metal forming types.....	3542	24.9	14.9	16.7	4.5	5.9	10.3	10.8	61.2	79.1
Special dies, tools, jigs, and fixtures.....	3544	129.9	14.0	14.4	3.9	4.3	10.1	10.1	61.5	64.0
Machine tool accessories.....	3545	62.4	13.6	13.1	4.1	4.4	9.5	8.7	59.4	55.1
Power driven hand tools.....	3546	34.5	13.9	13.3	3.5	4.0	10.4	9.3	50.4	66.3
Rolling mill machinery.....	3547	n.a.	13.5	16.4	4.1	5.5	9.4	10.9	92.8	101.1
Metalworking machinery, n.e.c.....	3549	n.a.	-	15.3	-	4.4	-	10.9	-	68.5
Special industry machinery.....	355	197.9	15.4	15.9	4.8	5.5	10.5	10.4	74.5	79.9
Food products machinery.....	3551	45.7	16.2	19.4	5.4	6.6	10.7	12.8	82.1	102.3
Textile machinery.....	3552	26.6	12.0	12.2	3.9	4.1	8.1	8.0	68.7	66.8
Woodworking machinery.....	3553	n.a.	17.1	18.1	5.4	7.0	11.7	11.1	87.0	86.5
Paper industries machinery.....	3554	n.a.	18.0	18.0	5.2	6.0	12.8	12.0	87.7	81.2
Printing trades machinery.....	3555	37.7	13.5	11.3	4.1	3.9	9.4	7.4	59.2	61.2
Special industry machinery, n.e.c.....	3559	n.a.	16.3	17.1	5.1	6.0	11.2	11.1	73.0	79.3
General industrial machinery.....	356	311.9	15.3	15.2	5.1	5.5	10.2	9.7	73.7	77.8
Pumps and pumping equipment.....	3561	60.0	17.7	16.0	6.5	6.3	11.2	9.7	86.8	88.6
Ball and roller bearings.....	3562	56.6	10.6	10.9	3.9	3.8	6.7	7.1	58.7	59.5
Air and gas compressors.....	3563	30.5	13.3	12.9	4.3	4.6	9.0	8.3	78.0	73.6
Blowers and fans.....	3564	39.3	18.1	18.4	5.8	6.7	12.3	11.7	79.0	88.3
Industrial patterns.....	3565	n.a.	-	12.4	-	3.5	-	8.9	-	34.4
Speed changers, drives, and gears.....	3566	25.4	18.8	19.5	5.7	6.7	13.1	12.8	84.9	90.7
Industrial furnaces and ovens.....	3567	n.a.	17.9	18.8	5.2	6.3	12.6	12.5	80.5	85.9
Power transmission equipment, n.e.c.....	3568	24.0	14.3	15.7	5.3	6.1	9.0	9.6	79.0	89.7
General industrial machinery, n.e.c.....	3569	n.a.	15.0	15.1	4.7	5.5	10.3	9.6	62.3	73.9
Office and computing machines.....	357	345.6	4.7	4.9	1.8	2.0	2.8	2.9	27.1	27.1
Electronic computing equipment.....	3573	272.9	3.9	4.4	1.6	1.9	2.3	2.5	23.7	24.4
Calculating and accounting machines.....	3574	n.a.	-	4.3	-	1.6	-	2.7	-	23.8
Scales and balances, except laboratory.....	3576	n.a.	13.5	11.2	3.3	3.0	10.2	8.2	50.7	49.1
Office machines, n.e.c.....	3579	n.a.	8.8	8.9	2.8	3.3	6.0	5.6	34.3	49.3

See footnotes at end of table.

**Table 1. Continued—Occupational injury and illness incidence rates by industry, United States, 1977 and 1978<sup>1</sup>**

Industry 2/	SIC code 3/	1978 annual average employment (in thousands) 4/	Incidence rates per 100 full-time workers 5/							
			Total cases 6/		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
			1977	1978	1977	1978	1977	1978	1977	1978
Refrigeration and service machinery.....	358	184.2	16.4	17.3	5.3	6.5	11.1	10.8	77.0	86.7
Automatic merchandising machines.....	3581	n.a.	22.5	24.9	6.9	8.8	15.5	16.0	86.8	96.4
Commercial laundry equipment.....	3582	n.a.	19.8	22.7	5.4	6.6	14.4	16.1	79.7	88.2
Refrigerating and heating equipment.....	3585	128.4	15.4	16.4	5.1	6.3	10.3	10.1	76.6	85.8
Measuring and dispensing pumps.....	3586	n.a.	19.3	18.8	6.1	6.7	13.2	12.0	108.3	94.7
Service industry machinery, n.e.c.....	3589	n.a.	17.2	17.8	5.2	6.3	12.0	11.5	69.6	86.0
Miscellaneous machinery, except electrical.....	359	259.4	15.5	15.9	5.1	5.9	10.4	10.0	69.8	75.6
Carburetors, pistons, rings, valves.....	3592	40.4	13.6	10.7	5.3	4.8	8.3	5.9	78.8	68.1
Machinery, except electrical, n.e.c.....	3599	219.0	15.8	16.8	5.1	6.1	10.7	10.7	68.2	76.9
Electric and electronic equipment.....	36	1,999.5	8.6	8.7	3.0	3.3	5.6	5.4	46.7	50.3
Electric distributing equipment.....	361	122.3	11.6	11.4	3.6	4.0	8.0	7.4	51.9	57.7
Transformers.....	3612	55.2	13.2	12.5	4.3	4.6	8.9	7.9	61.9	66.1
Switchgear and switchboard apparatus....	3613	67.2	10.2	10.3	3.0	3.5	7.2	6.8	43.5	50.2
Electrical industrial apparatus.....	362	247.3	10.5	10.4	3.6	4.0	6.9	6.4	58.3	64.6
Motors and generators.....	3621	136.0	11.1	11.2	3.9	4.4	7.2	6.7	66.5	74.9
Industrial controls.....	3622	65.3	9.0	8.5	3.0	2.9	5.9	5.6	42.0	45.0
Welding apparatus, electric.....	3623	n.a.	14.3	15.1	4.4	5.3	9.9	9.7	62.7	67.5
Carbon and graphite products.....	3624	n.a.	8.0	7.7	3.6	3.9	4.4	3.8	72.3	78.6
Electrical industrial apparatus, n.e.c....	3629	n.a.	8.9	8.0	2.6	2.7	6.3	5.3	34.7	41.0
Household appliances.....	363	184.1	13.6	12.6	4.4	4.5	9.2	8.0	62.1	70.0
Household cooking equipment.....	3631	n.a.	19.7	17.4	6.9	6.9	12.8	10.5	111.7	118.2
Household refrigerators and freezers....	3632	45.3	10.3	9.1	3.1	3.3	7.2	5.7	44.2	43.6
Household laundry equipment.....	3633	23.2	12.7	11.8	3.8	3.2	8.9	8.6	39.1	52.8
Electric housewares and fans.....	3634	52.9	13.0	11.3	4.2	3.9	8.8	7.4	52.3	55.7
Household vacuum cleaners.....	3635	n.a.	7.6	8.9	3.4	4.1	4.2	4.8	64.2	86.4
Sewing machines.....	3636	n.a.	11.5	8.8	1.9	1.7	9.6	7.1	43.3	29.1
Electric lighting and wiring equipment....	364	217.8	11.1	11.7	3.7	4.3	7.4	7.4	61.6	67.7
Electric lamps.....	3641	37.6	5.9	7.1	1.6	2.2	4.3	4.9	31.1	36.4
Current-carrying wiring devices.....	3643	90.0	10.0	9.8	3.1	3.4	6.9	6.4	53.8	59.8
Noncurrent-carrying wiring devices.....	3644	22.1	20.1	21.2	8.6	8.6	11.5	12.6	124.0	126.8
Residential lighting fixtures.....	3645	26.3	13.7	13.7	4.2	5.3	9.5	8.4	70.2	63.8
Commercial lighting fixtures.....	3646	n.a.	19.2	20.8	5.9	7.6	13.3	13.2	103.0	127.9
Vehicular lighting equipment.....	3647	n.a.	5.9	6.5	1.9	2.6	4.0	3.9	33.2	47.9
Lighting equipment, n.e.c.....	3648	n.a.	-	13.5	-	5.4	-	8.1	-	71.3
Radio and TV receiving equipment.....	365	117.2	8.8	8.8	3.1	3.4	5.6	5.4	47.2	52.7
Radio and TV receiving sets.....	3651	91.9	9.1	8.8	3.0	3.2	6.0	5.6	45.2	51.4
Phonograph records.....	3652	n.a.	7.6	9.0	3.4	4.1	4.2	4.9	54.9	57.4
Communication equipment.....	366	493.2	4.7	5.1	1.8	2.0	2.9	3.0	30.6	35.8
Telephone and telegraph apparatus.....	3661	152.3	5.9	6.2	2.6	2.8	3.3	3.4	45.3	60.9
Radio and TV communication equipment....	3662	340.9	4.2	4.6	1.5	1.7	2.7	2.9	24.1	24.8
Electronic components and accessories....	367	455.1	7.2	7.7	2.4	2.7	4.8	5.0	34.9	34.1
Electron tubes, receiving type.....	3671	n.a.	2.8	3.9	1.5	1.4	1.3	2.5	24.5	24.0
Cathode ray television picture tubes....	3672	n.a.	9.0	10.7	4.6	6.5	4.4	4.2	88.2	94.9
Electron tubes, transmitting.....	3673	n.a.	7.9	7.4	2.1	2.1	5.8	5.2	30.4	38.1
Semiconductors and related devices.....	3674	167.1	5.3	6.4	1.9	2.3	3.3	4.1	30.8	28.8
Electronic capacitors.....	3675	n.a.	6.5	5.9	2.0	2.0	4.5	3.9	36.1	24.7
Electronic resistors.....	3676	n.a.	9.5	9.0	3.2	3.1	6.3	5.9	53.3	41.7
Electronic coils and transformers.....	3677	n.a.	11.2	10.1	2.9	2.9	8.2	7.1	29.4	32.0
Electronic components, n.e.c.....	3679	180.7	8.4	8.8	2.5	2.9	5.9	5.9	33.2	35.5
Miscellaneous electrical equipment and supplies.....	369	162.6	10.0	9.4	4.1	4.1	5.8	5.3	66.7	62.9
Storage batteries.....	3691	30.5	21.4	18.2	10.6	10.2	10.8	8.0	187.5	178.5
Primary batteries, dry and wet.....	3692	n.a.	-	6.4	-	1.7	-	4.7	-	26.6
X-ray apparatus and tubes.....	3693	n.a.	5.7	5.8	1.8	1.7	3.9	4.1	24.1	23.4
Engine electrical equipment.....	3694	77.0	7.8	7.3	3.1	2.9	4.7	4.4	46.5	42.1
Electrical equipment and supplies, n.e.c.....	3699	n.a.	8.6	14.1	3.4	6.0	5.2	8.1	50.5	69.7
Transportation equipment.....	37	1,991.7	11.8	11.5	5.0	5.1	6.8	6.3	79.3	78.0
Motor vehicles and equipment.....	371	997.2	11.5	11.3	4.9	5.1	6.6	6.1	70.3	73.9
Motor vehicles and car bodies.....	3711	463.3	9.4	8.1	4.2	4.0	5.2	4.1	54.6	52.7
Truck and bus bodies.....	3713	46.1	25.8	29.5	9.7	11.9	16.1	17.5	140.3	132.6
Motor vehicle parts and accessories.....	3714	455.8	11.3	11.4	4.7	5.1	6.6	6.3	73.6	81.7
Truck trailers.....	3715	32.0	28.2	26.7	11.2	11.9	17.0	14.8	164.4	178.2
Aircraft and parts.....	372	525.5	6.0	6.5	2.2	2.5	3.8	4.0	35.5	37.7
Aircraft.....	3721	289.4	4.6	4.8	1.6	1.9	2.9	2.9	29.0	31.6
Aircraft engines and engine parts.....	3724	132.5	6.1	7.1	2.5	3.0	3.6	4.1	39.8	43.1
Aircraft equipment, n.e.c.....	3728	103.5	10.1	11.2	3.4	3.7	6.7	7.5	49.7	49.6
Ship and boat building and repairing.....	373	223.1	22.6	21.3	10.8	10.8	11.8	10.4	203.3	195.5
Ship building and repairing.....	3731	169.3	21.7	20.8	11.0	11.0	10.6	9.8	219.0	211.5
Boat building and repairing.....	3732	53.7	26.2	22.8	9.9	9.9	16.3	12.8	144.3	136.0
Railroad equipment.....	374	63.0	19.7	19.7	7.8	9.1	11.9	10.5	162.1	143.6
Motorcycles, bicycles, and parts.....	375	n.a.	15.6	16.3	4.9	5.8	10.7	10.5	76.9	70.8
Guided missiles, space vehicles, and parts.....	376	92.3	3.0	4.2	1.1	1.5	1.8	2.7	20.4	23.0
Guided missiles and space vehicles.....	3761	73.5	2.7	3.6	1.1	1.4	1.6	2.2	19.6	20.3
Space propulsion units and parts.....	3764	n.a.	4.9	7.2	1.5	2.5	3.4	4.7	27.3	38.0
Space vehicle equipment, n.e.c.....	3769	n.a.	-	4.8	-	1.7	-	3.1	-	23.6
Miscellaneous transportation equipment....	379	72.5	25.9	23.9	10.1	9.7	15.8	14.2	130.0	104.2
Travel trailers and campers.....	3792	51.1	28.6	28.3	10.5	11.0	18.1	17.3	141.9	114.2
Tanks and tank components.....	3795	n.a.	13.9	9.2	6.1	4.4	7.8	4.8	69.5	46.5
Transportation equipment, n.e.c.....	3799	n.a.	24.6	20.8	11.4	9.7	13.2	11.1	130.2	120.0

See footnotes at end of table.

**Table 1. Continued—Occupational injury and illness incidence rates by industry, United States, 1977 and 1978<sup>1</sup>**

Industry 2/	SIC code 3/	1978 annual average employment (in thousands) 4/	Incidence rates per 100 full-time workers 5/							
			Total cases 6/		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
			1977	1978	1977	1978	1977	1978	1977	1978
Instruments and related products.....	38	653.5	7.0	6.9	2.4	2.6	4.6	4.3	37.4	37.0
Engineering and scientific instruments....	381	65.7	6.2	6.2	2.0	2.1	4.2	4.1	31.2	28.5
Measuring and controlling devices.....	382	215.6	7.6	7.3	2.5	2.8	5.1	4.5	41.6	40.5
Environmental controls.....	3822	48.2	9.0	9.7	3.1	3.8	5.8	5.9	58.8	64.9
Process control instruments.....	3823	48.7	7.4	6.5	2.4	2.6	5.0	3.9	39.9	33.3
Fluid meters and counting devices.....	3824	n.a.	11.3	12.4	3.6	4.3	7.7	8.1	52.4	55.3
Instruments to measure electricity.....	3825	82.3	6.0	5.1	2.1	2.2	3.9	2.9	32.2	29.3
Measuring and controlling devices, n.e.c.....	3829	n.a.	8.3	8.6	2.3	2.5	6.0	6.1	31.6	31.7
Optical instruments and lenses.....	383	27.8	6.5	6.1	2.5	2.4	4.0	3.7	46.0	36.6
Medical instruments and supplies.....	384	137.4	7.6	7.7	2.5	2.9	5.1	4.8	36.4	39.8
Surgical and medical instruments.....	3841	57.8	7.3	7.5	2.2	2.7	5.1	4.8	29.0	40.7
Surgical appliances and supplies.....	3842	62.3	7.5	7.1	2.7	2.9	4.8	4.2	41.9	37.3
Dental equipment and supplies.....	3843	n.a.	9.1	10.2	2.7	3.7	6.4	6.5	38.7	46.6
Ophthalmic goods.....	385	43.9	8.0	7.7	3.2	2.9	4.8	4.8	35.6	39.4
Photographic equipment and supplies.....	386	132.9	6.0	5.7	2.2	2.1	3.8	3.6	34.9	32.7
Watches, clocks, and watchcases.....	387	30.1	5.5	6.7	1.9	2.3	3.6	4.3	32.1	34.5
Miscellaneous manufacturing industries.....	39	454.0	11.5	11.8	4.0	4.5	7.5	7.3	58.7	66.4
Jewelry, silverware, and plated ware.....	391	63.8	6.1	6.2	2.2	2.5	3.8	3.7	32.9	41.5
Jewelry, precious metal.....	3911	42.1	4.6	4.9	1.4	1.6	3.2	3.3	17.2	25.3
Silverware and plated ware.....	3914	n.a.	9.9	10.3	5.0	5.2	4.9	5.1	86.6	88.5
Jewelers' materials and lapidary work.....	3915	n.a.	-	6.4	-	2.4	-	3.9	-	47.7
Musical instruments.....	393	25.2	13.8	13.8	5.0	4.4	8.8	9.4	72.6	54.3
Toys and sporting goods.....	394	121.6	13.8	13.9	5.0	5.4	8.7	8.5	70.9	81.7
Dolls.....	3942	n.a.	7.8	8.4	3.5	2.4	4.3	5.9	44.3	28.7
Games, toys, and children's vehicles.....	3944	n.a.	12.8	14.1	5.1	5.6	7.7	8.5	78.8	85.4
Sporting and athletic goods, n.e.c.....	3949	62.3	15.4	14.5	5.2	5.6	10.1	8.9	68.2	85.0
Pens, pencils, office and art supplies....	395	37.7	10.4	12.0	3.9	5.0	6.4	7.0	58.3	58.8
Pens and mechanical pencils.....	3951	n.a.	8.1	9.8	3.0	3.8	5.0	5.9	47.7	52.6
Lead pencils and art goods.....	3952	n.a.	14.4	15.5	5.7	6.5	8.6	9.0	71.2	69.9
Marking devices.....	3953	n.a.	7.4	9.6	2.2	3.4	5.2	6.2	32.1	42.8
Carbon paper and inked ribbons.....	3955	n.a.	13.7	15.2	5.8	7.6	7.9	7.6	103.2	81.0
Costume jewelry and notions.....	396	63.5	8.1	8.1	2.6	3.2	5.5	4.9	40.4	46.0
Costume jewelry.....	3961	35.2	6.4	5.6	2.3	2.3	4.1	3.3	34.4	33.4
Artificial flowers.....	3962	n.a.	-	12.3	-	4.5	-	7.7	-	51.7
Buttons.....	3963	n.a.	7.6	7.8	2.3	3.0	5.3	4.8	30.3	44.2
Needles, pins, and fasteners.....	3964	n.a.	10.4	11.0	3.0	4.3	7.4	6.7	50.4	63.8
Miscellaneous manufactures.....	399	142.3	13.3	13.7	4.4	5.2	8.9	8.5	65.5	77.3
Brooms and brushes.....	3991	n.a.	14.5	13.7	5.2	5.8	9.2	7.9	89.3	94.3
Signs and advertising displays.....	3993	47.6	14.3	14.5	4.5	5.2	9.8	9.3	64.8	79.7
Burial caskets.....	3995	n.a.	16.3	17.0	4.5	5.6	11.7	11.4	74.8	64.2
Hard surface floor coverings.....	3996	n.a.	12.0	11.2	5.3	5.5	6.7	5.7	67.2	117.9
Manufacturing industries, n.e.c.....	3999	n.a.	11.5	12.4	3.9	4.7	7.6	7.6	55.3	64.9
Nondurable goods.....		8,230.0	11.8	11.8	4.7	5.0	7.1	6.8	76.3	78.4
Food and kindred products.....	20	1,721.2	19.5	19.4	8.5	8.9	11.0	10.5	130.1	132.2
Meat products.....	201	353.9	28.8	28.4	12.8	13.2	16.0	15.2	171.1	168.9
Meatpacking plants.....	2011	168.8	33.6	32.8	15.6	16.0	18.0	16.8	202.3	201.3
Sausages and other prepared meats.....	2013	71.0	25.2	24.9	11.2	11.2	14.0	13.7	147.5	158.1
Poultry dressing plants.....	2016	101.1	23.6	23.6	9.4	9.9	14.2	13.6	137.0	125.8
Poultry and egg processing.....	2017	n.a.	20.6	22.8	8.1	9.3	12.5	13.5	115.4	115.0
Dairy products.....	202	184.2	15.1	15.8	6.5	7.3	8.6	8.5	114.4	114.1
Creamery butter.....	2021	n.a.	-	14.4	-	5.8	-	8.6	-	81.5
Cheese, natural and processed.....	2022	32.1	13.7	15.9	5.9	8.0	7.7	7.9	87.5	111.6
Condensed and evaporated milk.....	2023	n.a.	12.3	13.2	5.4	6.1	6.9	7.1	93.7	81.5
Ice cream and frozen desserts.....	2024	n.a.	16.7	15.4	7.1	7.4	9.6	8.0	120.5	107.0
Fluid milk.....	2026	117.7	15.4	16.1	6.7	7.3	8.7	8.8	122.1	120.0
Preserved fruits and vegetables.....	203	252.1	17.3	17.1	7.4	8.0	9.9	9.1	122.7	124.9
Canned specialties.....	2032	26.7	12.9	11.9	5.4	5.5	7.5	6.4	103.7	90.6
Canned fruits and vegetables.....	2033	95.6	18.0	19.2	7.2	8.5	10.8	10.7	113.7	122.9
Dehydrated fruits, vegetables, soups.....	2034	n.a.	18.1	17.6	8.7	9.7	9.4	7.9	140.4	140.6
Pickles, sauces, and salad dressings.....	2035	n.a.	17.3	15.6	7.9	6.7	9.3	8.9	112.8	143.0
Frozen fruits and vegetables.....	2037	51.5	20.5	19.4	9.2	9.8	11.2	9.6	164.6	152.9
Frozen specialties.....	2038	n.a.	13.9	13.2	6.2	6.5	7.6	6.7	103.3	99.8
Grain mill products.....	204	144.7	14.9	15.0	6.5	6.9	8.4	8.1	115.2	126.0
Flour and other grain mill products.....	2041	25.8	15.3	15.3	6.9	7.2	8.4	8.1	126.1	125.8
Cereal breakfast foods.....	2043	n.a.	16.5	15.1	7.1	6.9	9.4	8.2	148.5	175.9
Rice milling.....	2044	n.a.	18.3	18.0	9.1	9.1	9.1	8.8	175.6	214.2
Blended and prepared flour.....	2045	n.a.	15.0	12.7	6.8	6.5	8.2	6.2	127.6	97.5
Wet corn milling.....	2046	n.a.	10.4	10.4	5.5	4.1	4.9	6.3	85.8	73.0
Dog, cat, and other pet food.....	2047	n.a.	17.7	17.2	7.3	8.2	10.4	9.0	126.7	166.2
Prepared feeds, n.e.c.....	2048	59.1	14.2	15.3	5.9	6.9	8.3	8.4	96.5	109.1
Bakery products.....	205	234.8	14.2	13.8	6.3	6.4	7.9	7.4	114.9	119.3
Bread, cake, and related products.....	2051	192.0	14.4	13.7	6.4	6.4	7.9	7.3	113.7	115.9
Cookies and crackers.....	2052	42.8	13.3	14.1	5.7	6.5	7.6	7.6	121.0	136.1

See footnotes at end of table.



**Table 1. Continued—Occupational injury and illness incidence rates by industry, United States, 1977 and 1978<sup>1</sup>**

Industry <sup>2/</sup>	SIC code <sup>3/</sup>	1978 annual average employment (in thousands) <sup>4/</sup>	Incidence rates per 100 full-time workers <sup>5/</sup>							
			Total cases <sup>6/</sup>		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
			1977	1978	1977	1978	1977	1978	1977	1978
Sugar and confectionery products.....	206	110.5	15.0	14.8	6.6	7.1	8.3	7.7	105.2	104.2
Raw cane sugar.....	2061	n.a.	20.0	25.5	8.7	11.7	11.1	13.7	129.6	134.9
Cane sugar refining.....	2062	n.a.	12.8	11.9	5.5	6.7	7.3	5.1	107.7	166.2
Beet sugar.....	2063	n.a.	21.3	22.3	11.1	12.7	10.2	9.6	133.1	125.0
Confectionery products.....	2065	57.8	13.5	13.1	5.9	5.8	7.6	7.3	95.3	87.6
Chocolate and cocoa products.....	2066	n.a.	11.1	10.9	4.1	4.1	7.0	6.8	76.9	62.1
Chewing gum.....	2067	n.a.	15.8	11.0	6.2	5.9	9.6	5.1	127.8	117.7
Fats and oils.....	207	42.0	21.9	20.2	9.1	9.2	12.8	11.0	139.9	144.7
Cottonseed oil mills.....	2074	n.a.	20.3	18.0	8.6	7.9	11.7	10.0	161.4	165.4
Soybean oil mills.....	2075	n.a.	17.5	16.5	6.7	7.8	10.8	8.7	131.3	126.5
Vegetable oil mills, n.e.c.....	2076	n.a.	15.6	12.8	6.6	4.9	8.9	7.9	122.3	83.6
Animal and marine fats and oils.....	2077	n.a.	25.0	26.5	11.7	12.8	13.3	13.7	165.8	181.3
Shortening and cooking oils.....	2079	n.a.	23.5	18.3	8.7	7.6	14.7	10.7	107.7	115.2
Beverages.....	208	231.6	22.7	23.0	9.3	10.0	13.3	13.0	129.0	132.7
Malt beverages.....	2082	50.6	19.2	19.3	6.1	6.7	13.1	12.6	116.8	123.3
Malt.....	2083	n.a.	-	27.3	-	16.8	-	10.5	-	249.9
Wines, brandy, and brandy spirits.....	2084	n.a.	19.1	23.4	9.5	12.2	9.5	11.2	110.9	153.3
Distilled liquor, except brandy.....	2085	n.a.	16.0	16.1	6.2	7.6	9.8	8.5	117.8	123.2
Bottled and canned soft drinks.....	2086	135.6	26.6	26.4	11.5	11.8	15.0	14.5	143.4	141.4
Flavoring extracts and syrups, n.e.c.....	2087	n.a.	7.8	8.2	3.4	3.7	4.4	4.5	47.1	52.7
Miscellaneous foods and kindred products..	209	167.5	16.8	16.3	7.6	7.5	9.2	8.8	120.6	120.6
Canned and cured seafoods.....	2091	n.a.	20.7	22.3	8.8	10.2	11.9	12.1	145.2	173.5
Fresh or frozen packaged fish.....	2092	n.a.	21.7	20.4	9.6	10.0	12.1	10.3	113.7	150.0
Macaroni and spaghetti.....	2098	n.a.	17.0	17.5	7.0	9.2	10.0	8.3	166.9	163.6
Food preparations, n.e.c.....	2099	n.a.	14.8	14.7	6.7	6.5	8.1	8.2	107.1	102.4
Tobacco manufactures.....	21	69.6	9.1	8.7	3.8	4.0	5.3	4.6	66.7	58.6
Cigarettes.....	211	44.3	7.4	7.7	3.9	4.1	3.5	3.5	73.9	60.0
Cigars.....	212	n.a.	9.0	6.9	2.7	2.7	6.3	4.2	44.8	41.4
Chewing and smoking tobacco.....	213	n.a.	12.1	11.8	3.2	3.3	8.9	8.5	56.4	49.3
Tobacco stemming and redrying.....	214	n.a.	15.0	13.6	5.0	5.1	10.0	8.5	61.0	69.0
Textile mill products.....	22	900.2	10.2	10.2	2.9	3.4	7.3	6.8	57.4	61.5
Weaving mills, cotton.....	221	149.8	-	7.7	-	1.9	-	5.8	-	48.5
Weaving mills, synthetics.....	222	125.0	8.1	7.7	1.9	2.2	6.2	5.4	45.4	44.9
Weaving and finishing mills, wool.....	223	20.9	12.9	14.9	5.4	6.6	7.5	8.3	97.2	118.6
Narrow fabric mills.....	224	26.0	10.6	10.9	3.3	4.1	7.3	6.8	58.0	62.4
Knitting mills.....	225	236.4	7.8	8.5	2.6	3.1	5.1	5.4	40.2	46.5
Women's hosiery, except socks.....	2251	28.2	4.4	5.1	1.6	2.0	2.8	3.1	22.2	36.3
Hosiery, n.e.c.....	2252	34.9	5.4	5.8	2.0	2.3	3.3	3.4	25.1	34.9
Knit outerwear mills.....	2253	79.3	6.5	7.5	2.1	2.6	4.4	4.9	34.3	35.9
Knit underwear mills.....	2254	33.9	9.0	9.4	3.1	3.5	5.9	5.9	36.3	49.2
Circular knit fabric mills.....	2257	34.6	11.4	12.0	4.1	4.4	7.3	7.6	71.1	70.3
Warp knit fabric mills.....	2258	n.a.	10.4	12.1	2.7	3.5	7.7	8.5	45.1	61.1
Knitting mills, n.e.c.....	2259	n.a.	13.0	14.3	5.9	7.4	7.1	6.9	92.1	66.9
Textile finishing, except wool.....	226	79.3	13.0	13.0	4.5	4.9	8.5	8.1	79.3	91.4
Finishing plants, cotton.....	2261	33.5	11.8	11.1	4.1	4.4	7.7	6.7	82.4	84.8
Finishing plants, synthetics.....	2262	29.3	14.3	13.7	5.0	5.2	9.3	8.5	78.6	95.4
Finishing plants, n.e.c.....	2269	n.a.	13.2	15.6	4.1	5.2	9.1	10.4	74.4	98.2
Floor covering mills.....	227	61.2	12.7	13.9	3.4	4.2	9.3	9.6	76.0	73.7
Woven carpets and rugs.....	2271	n.a.	12.6	10.0	2.9	3.5	9.7	6.5	56.3	66.0
Tufted carpets and rugs.....	2272	n.a.	12.9	14.7	3.5	4.4	9.3	10.3	80.6	75.4
Carpets and rugs, n.e.c.....	2279	n.a.	-	8.7	-	4.7	-	4.0	-	62.5
Yarn and thread mills.....	228	131.5	12.0	11.7	2.8	3.2	9.2	8.4	56.9	61.7
Yarn mills, except wool.....	2281	87.8	12.2	11.8	2.6	3.0	9.6	8.7	59.0	61.5
Throwing and winding mills.....	2282	22.2	11.2	11.3	2.8	3.4	8.4	7.9	42.5	49.3
Wool yarn mills.....	2283	n.a.	13.2	15.3	5.0	5.5	8.2	9.8	83.5	101.3
Thread mills.....	2284	n.a.	-	7.7	-	2.4	-	5.3	-	45.9
Miscellaneous textile goods.....	229	70.1	14.3	15.0	5.6	6.3	8.7	8.7	105.2	105.5
Felt goods, except woven felts and hats.	2291	n.a.	18.9	23.5	7.1	10.8	11.7	12.7	136.5	164.6
Lace goods.....	2292	n.a.	-	10.9	-	3.1	-	7.8	-	70.8
Paddings and upholstery filling.....	2293	n.a.	19.3	18.4	8.9	9.9	10.4	8.4	154.1	176.4
Processed textile waste.....	2294	n.a.	13.0	16.3	5.8	6.5	7.2	9.7	84.0	91.0
Coated fabrics, not rubberized.....	2295	n.a.	15.8	16.7	6.9	6.7	8.9	9.9	136.3	128.6
Tire cord and fabric.....	2296	n.a.	-	6.8	-	2.9	-	3.9	-	68.8
Nonwoven fabrics.....	2297	n.a.	16.3	14.0	5.8	5.4	10.5	8.6	116.4	92.6
Cordage and twine.....	2298	n.a.	14.7	14.9	5.3	6.1	9.4	8.8	90.0	87.0
Textile goods, n.e.c.....	2299	n.a.	14.0	13.2	4.9	5.0	9.0	8.2	95.9	64.6
Apparel and other textile products.....	23	1,332.5	6.7	6.5	2.0	2.2	4.7	4.3	31.7	32.4
Men's and boys' suits and coats.....	231	91.1	6.5	6.3	2.4	2.3	4.1	4.0	36.8	37.4
Men's and boys' furnishings.....	232	369.3	8.3	7.7	2.6	2.7	5.7	5.0	39.7	40.4
Men's and boys' shirts and nightwear....	2321	106.8	6.0	5.8	1.7	2.0	4.2	3.8	24.4	27.4
Men's and boys' underwear.....	2322	n.a.	7.5	8.0	2.4	2.8	5.1	5.2	37.5	42.0
Men's and boys' neckwear.....	2323	n.a.	3.0	3.5	.7	.9	2.3	2.6	15.5	25.2
Men's and boys' separate trousers.....	2327	81.8	7.6	7.0	2.4	2.5	5.2	4.5	36.9	36.7
Men's and boys' work clothing.....	2328	97.3	11.7	10.4	3.9	3.8	7.8	6.5	66.2	61.1
Men's and boys' clothing, n.e.c.....	2329	n.a.	8.5	8.2	2.2	2.5	6.2	5.7	30.1	37.3
Women's and misses' outerwear.....	233	438.7	4.7	4.8	1.2	1.3	3.5	3.5	21.3	17.6
Women's and misses' blouses and waists..	2331	60.2	4.2	4.6	1.0	1.0	3.2	3.6	19.4	13.9
Women's and misses' dresses.....	2335	167.6	3.2	3.4	.8	.9	2.4	2.4	11.4	11.6
Women's and misses' suits and coats.....	2337	65.1	-	4.5	-	1.3	-	3.2	-	18.5
Women's and misses' outerwear, n.e.c....	2339	145.9	6.2	6.6	1.6	1.9	4.6	4.7	28.8	25.1

See footnotes at end of table.

**Table 1. Continued—Occupational injury and illness incidence rates by industry, United States, 1977 and 1978<sup>1</sup>**

Industry 2/	SIC code 3/	1978 annual average employment (in thousands) 4/	Incidence rates per 100 full-time workers 5/							
			Total cases 6/		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
			1977	1978	1977	1978	1977	1978	1977	1978
Women's and children's undergarments.....	234	92.9	5.8	6.2	1.5	1.7	4.3	4.4	21.4	30.2
Women's and children's underwear.....	2341	72.7	6.1	6.3	1.6	1.8	4.5	4.5	22.0	30.4
Brassieres and allied garments.....	2342	20.3	4.6	5.5	1.2	1.7	3.4	3.8	19.5	29.3
Hats, caps, and millinery.....	235	n.a.	6.8	7.5	2.0	2.7	4.7	4.8	32.6	33.1
Millinery.....	2351	n.a.	-	4.4	-	.9	-	3.5	-	10.3
Children's outerwear.....	236	69.6	5.8	5.3	1.6	1.8	4.2	3.4	23.5	29.5
Children's dresses and blouses.....	2361	26.9	5.7	4.3	1.3	1.2	4.4	3.1	16.3	20.9
Children's outerwear, n.e.c.....	2369	n.a.	6.1	5.4	1.9	2.2	4.1	3.2	30.0	33.0
Miscellaneous apparel and accessories.....	238	60.3	6.1	6.4	2.0	2.2	4.1	4.2	32.1	31.9
Fabric dress and work gloves.....	2381	n.a.	6.4	5.3	2.5	2.3	3.9	3.0	42.8	38.6
Robes and dressing gowns.....	2384	n.a.	5.8	6.0	1.9	1.6	3.8	4.3	32.4	24.7
Waterproof outer garments.....	2385	n.a.	6.2	7.0	1.8	1.9	4.4	5.1	29.5	34.7
Leather and sheep lined clothing.....	2386	n.a.	-	5.7	-	2.5	-	3.1	-	35.3
Apparel belts.....	2387	n.a.	7.6	8.3	2.1	2.6	5.5	5.7	32.3	31.3
Apparel and accessories, n.e.c.....	2389	n.a.	4.5	6.5	1.4	2.4	3.1	4.1	23.3	22.8
Miscellaneous fabricated textile products.....	239	190.9	8.7	8.9	2.8	3.3	5.9	5.6	44.9	49.1
Curtains and draperies.....	2391	30.8	7.1	8.6	2.2	3.2	4.9	5.3	38.8	50.3
House furnishings, n.e.c.....	2392	51.6	9.9	9.7	2.8	3.6	7.1	6.1	44.1	47.3
Textile bags.....	2393	n.a.	14.0	11.9	4.7	4.5	9.3	7.4	68.8	90.1
Canvas and related products.....	2394	n.a.	10.9	10.9	3.9	3.8	6.9	7.1	45.2	59.6
Pleating and stitching.....	2395	n.a.	4.7	6.1	1.9	2.5	2.8	3.6	29.5	35.4
Automotive and apparel trimmings.....	2396	36.5	7.4	7.2	2.6	2.8	4.8	4.4	57.8	43.0
Schiffli machine embroideries.....	2397	n.a.	9.0	6.2	2.7	2.8	6.3	3.4	32.5	49.2
Fabricated textile products, n.e.c.....	2399	n.a.	9.8	9.8	3.0	3.5	6.8	6.3	38.0	47.8
Paper and allied products.....	26	700.9	13.6	13.5	5.0	5.7	8.5	7.8	101.6	103.3
Pulp mills.....	261	n.a.	13.1	11.1	3.3	3.5	9.7	7.6	87.4	82.7
Paper mills, except building paper.....	262	168.0	10.6	10.3	4.1	4.6	6.5	5.7	107.0	106.5
Paperboard mills.....	263	69.1	13.6	12.3	5.0	4.9	8.6	7.4	111.5	106.7
Miscellaneous converted paper products.....	264	219.9	13.9	14.0	5.2	5.8	8.7	8.2	88.5	89.9
Paper coating and glazing.....	2641	36.4	12.6	10.8	4.5	4.4	8.1	6.4	73.8	67.6
Envelopes.....	2642	24.2	16.8	16.8	6.7	6.6	10.1	10.1	107.0	100.3
Bags, except textile bags.....	2643	49.7	15.9	16.2	5.6	6.8	10.3	9.4	100.8	99.3
Diecut paper and board.....	2645	n.a.	12.7	13.4	5.3	6.1	7.4	7.3	68.2	90.7
Pressed and molded pulp goods.....	2646	n.a.	16.2	17.9	7.9	7.5	8.3	10.4	137.2	136.6
Sanitary paper products.....	2647	n.a.	9.7	10.3	3.1	3.9	6.6	6.4	59.6	83.2
Stationery products.....	2648	n.a.	16.7	15.8	6.4	6.4	10.3	9.4	105.3	83.9
Converted paper products, n.e.c.....	2649	n.a.	14.0	16.4	5.3	7.2	8.7	9.1	104.7	105.6
Paperboard containers and boxes.....	265	214.1	15.9	16.4	5.9	6.8	10.0	9.6	105.1	114.0
Folding paperboard boxes.....	2651	45.8	14.4	15.7	5.1	6.3	9.3	9.4	90.7	99.3
Set-up paperboard boxes.....	2652	n.a.	13.4	12.9	5.2	5.2	8.1	7.7	82.1	92.5
Corrugated and solid fiber boxes.....	2653	106.9	18.1	18.5	6.7	7.7	11.4	10.7	122.0	127.7
Sanitary food containers.....	2654	28.4	11.2	12.4	4.4	5.5	6.8	6.9	81.6	104.3
Fiber cans, drums, and similar products.....	2655	n.a.	16.2	15.5	5.8	5.9	10.4	9.6	97.3	98.7
Building paper and board mills.....	266	n.a.	13.6	13.3	5.8	5.7	7.8	7.6	144.7	106.7
Printing and publishing.....	27	1,193.1	6.8	7.0	2.7	2.9	4.1	4.1	41.7	43.8
Newspapers.....	271	407.4	5.3	5.8	2.3	2.6	3.0	3.2	42.1	44.2
Periodicals.....	272	79.5	2.6	2.9	1.0	1.2	1.6	1.7	13.2	16.9
Books.....	273	100.4	7.2	7.2	2.6	2.7	4.6	4.5	34.6	36.6
Book publishing.....	2731	71.5	4.8	4.8	1.7	2.0	3.0	2.8	20.9	24.3
Book printing.....	2732	29.0	12.4	12.3	4.3	4.2	8.0	8.1	63.0	63.4
Miscellaneous publishing.....	274	45.8	3.4	2.7	1.6	1.2	1.8	1.5	32.8	19.0
Commercial printing.....	275	391.6	8.4	8.7	3.2	3.6	5.2	5.1	47.4	53.0
Commercial printing, letterpress.....	2751	167.8	7.5	7.7	3.0	3.3	4.5	4.4	46.1	50.8
Commercial printing, lithographic.....	2752	201.2	8.6	9.1	3.1	3.6	5.5	5.5	44.5	52.5
Engraving and plate printing.....	2753	n.a.	7.7	8.0	2.8	2.7	4.9	5.3	45.3	55.0
Commercial printing, gravure.....	2754	n.a.	17.9	16.0	9.0	8.4	8.9	7.6	117.1	94.5
Manifold business forms.....	276	44.8	11.3	11.7	4.7	4.9	6.6	6.7	69.8	57.4
Printing card publishing.....	277	n.a.	7.1	6.4	2.7	2.7	4.4	3.7	37.4	32.4
Blankbooks and bookbinding.....	278	61.0	11.0	11.0	4.3	4.2	6.7	6.8	55.2	58.4
Blankbooks and looseleaf binders.....	2782	n.a.	10.3	10.7	4.0	4.3	6.3	6.4	47.7	52.6
Bookbinding and related work.....	2789	n.a.	12.0	11.4	4.7	4.0	7.3	7.3	66.5	67.5
Printing trade services.....	279	40.0	2.9	2.5	.9	.9	2.0	1.6	13.8	14.1
Typesetting.....	2791	n.a.	1.8	1.6	.6	.6	1.2	1.0	9.6	10.8
Photoengraving.....	2793	n.a.	4.4	3.2	1.3	1.3	3.1	1.9	28.4	15.2
Electrotyping and stereotyping.....	2794	n.a.	-	5.8	-	1.8	-	4.0	-	17.6
Lithographic platemaking services.....	2795	n.a.	-	4.3	-	1.4	-	2.9	-	24.9
Chemicals and allied products.....	28	1,096.3	8.0	7.8	3.1	3.3	4.9	4.5	51.4	50.9
Industrial inorganic chemicals.....	281	166.3	6.7	6.2	2.6	2.6	4.1	3.6	53.8	49.6
Alkalies and chlorine.....	2812	n.a.	5.1	5.1	2.3	2.4	2.8	2.7	56.5	54.9
Inorganic pigments.....	2816	n.a.	11.1	10.0	4.7	4.9	6.4	5.1	101.1	88.6
Industrial inorganic chemicals, n.e.c.....	2819	108.3	6.3	5.9	2.3	2.2	4.0	3.7	46.8	40.7
Plastics materials and synthetics.....	282	215.9	5.9	5.7	2.1	2.3	3.7	3.4	37.5	35.8
Plastics materials and resins.....	2821	83.7	9.3	8.7	3.5	3.8	5.8	4.9	54.1	53.3
Synthetic rubber.....	2822	n.a.	10.0	10.7	4.5	4.8	5.5	5.9	67.6	62.6
Organic fibers, noncellulosic.....	2824	96.8	2.8	2.5	.9	.8	1.9	1.7	21.7	17.9

See footnotes at end of table.

**Table 1. Continued—Occupational injury and illness incidence rates by industry, United States, 1977 and 1978<sup>1</sup>**

Industry 2/	SIC code 3/	1978 annual average employment (in thousands) 4/	Incidence rates per 100 full-time workers 5/							
			Total cases 6/		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
			1977	1978	1977	1978	1977	1978	1977	1978
Drugs.....	283	186.4	6.3	6.7	2.7	3.0	3.6	3.7	39.3	42.7
Biological products.....	2831	n.a.	5.5	6.4	2.3	3.1	3.2	3.3	40.7	49.0
Medicinals and botanicals.....	2833	n.a.	7.5	7.1	3.0	4.0	4.5	3.1	44.6	58.2
Pharmaceutical preparations.....	2834	149.2	6.3	6.7	2.7	2.9	3.5	3.8	38.5	40.0
Soap, cleaners, and toilet goods.....	284	136.1	10.0	9.8	3.9	4.5	6.1	5.3	58.1	68.0
Soap and other detergents.....	2841	40.8	10.0	8.7	4.3	4.5	5.7	4.1	67.4	69.1
Polishes and sanitation goods.....	2842	n.a.	11.9	12.8	3.8	5.2	8.1	7.6	57.0	81.8
Surface active agents.....	2843	n.a.	14.6	14.2	6.0	5.9	8.6	8.3	64.2	78.9
Toilet preparations.....	2844	55.6	8.3	8.5	3.4	3.9	4.9	4.6	50.6	58.2
Faints and allied products.....	285	68.9	13.7	14.3	5.3	6.0	8.4	8.2	73.1	78.1
Industrial organic chemicals.....	286	165.9	6.6	6.2	2.6	2.5	4.0	3.7	49.2	41.4
Gum and wood chemicals.....	2861	n.a.	11.4	9.2	5.3	4.0	6.0	5.2	192.1	64.3
Cyclic crudes and intermediates.....	2865	36.8	9.4	9.9	3.6	3.8	5.8	6.0	69.3	63.1
Industrial organic chemicals, n.e.c.....	2869	n.a.	5.5	5.0	2.2	2.1	3.3	2.9	34.1	33.8
Agricultural chemicals.....	287	67.2	10.3	9.1	3.6	3.6	6.7	5.5	57.4	56.7
Nitrogenous fertilizers.....	2873	n.a.	10.0	7.8	3.2	2.9	6.8	4.9	54.7	43.1
Phosphate fertilizers.....	2874	n.a.	9.5	8.4	2.3	2.9	7.1	5.5	59.1	62.0
Fertilizers, mixing only.....	2875	n.a.	13.6	13.4	5.3	4.8	8.2	8.6	72.9	79.5
Agricultural chemicals, n.e.c.....	2879	n.a.	9.1	7.9	3.8	3.7	5.3	4.2	48.3	49.4
Miscellaneous chemical products.....	289	89.6	12.8	11.6	4.8	5.1	7.9	6.5	79.9	73.4
Adhesives and sealants.....	2891	n.a.	16.6	14.2	5.9	5.9	10.7	8.3	103.2	81.8
Explosives.....	2892	n.a.	5.8	5.7	2.3	2.4	3.5	3.3	45.3	53.1
Printing ink.....	2893	n.a.	13.4	13.4	4.6	5.3	8.8	8.1	64.3	71.4
Carbon black.....	2895	n.a.	9.9	7.3	3.3	4.3	6.6	3.0	86.9	86.5
Chemical preparations, n.e.c.....	2899	n.a.	14.0	12.4	5.6	5.6	8.4	6.8	87.3	75.8
Petroleum and coal products.....	29	208.7	8.1	7.9	3.3	3.4	4.8	4.5	59.2	58.3
Petroleum refining.....	291	164.9	5.8	6.0	2.6	2.7	3.2	3.3	45.4	46.0
Paving and roofing materials.....	295	32.6	15.6	14.4	5.3	5.7	10.3	8.7	101.8	105.7
Paving mixtures and blocks.....	2951	n.a.	11.8	11.1	4.2	4.1	7.5	7.0	79.2	71.4
Asphalt felts and coatings.....	2952	n.a.	17.8	16.3	6.0	6.6	11.8	9.7	114.5	125.8
Miscellaneous petroleum and coal products.....	299	n.a.	17.8	16.6	7.2	7.1	10.6	9.5	132.6	92.1
Lubricating oils and greases.....	2992	n.a.	15.7	13.8	6.3	5.9	9.3	7.9	102.0	79.0
Petroleum and coal products, n.e.c.....	2999	n.a.	25.0	27.2	9.9	11.4	15.1	15.7	237.2	140.9
Rubber and miscellaneous plastics products..	30	751.9	16.8	17.1	7.6	8.1	9.1	9.0	118.1	125.5
Tires and inner tubes.....	301	127.4	15.5	15.4	10.8	11.4	4.7	3.9	181.1	207.1
Rubber and plastics footwear.....	302	24.0	10.8	12.9	4.3	6.6	6.5	6.3	81.1	84.7
Reclaimed rubber.....	303	n.a.	20.5	30.5	10.3	17.4	10.1	13.1	240.3	373.3
Rubber and plastics hose and belting.....	304	n.a.	13.0	13.9	7.1	6.9	5.9	7.0	122.0	118.1
Fabricated rubber products, n.e.c.....	306	114.6	17.4	17.0	8.0	8.2	9.4	8.8	128.7	125.3
Miscellaneous plastics products.....	307	461.6	17.6	18.1	6.7	7.2	10.9	10.9	95.7	104.2
Leather and leather products.....	31	255.6	11.5	11.7	4.4	4.7	7.1	6.9	68.9	72.5
Leather tanning and finishing.....	311	22.5	24.1	23.8	11.3	11.8	12.8	11.9	166.8	203.1
Boot and shoe cut stock and findings.....	313	n.a.	14.4	16.0	5.0	6.0	9.4	10.0	74.8	96.2
Footwear, except rubber.....	314	157.8	10.3	10.4	3.8	4.1	6.5	6.2	63.3	62.6
House slippers.....	3142	n.a.	10.1	9.0	3.4	4.0	6.6	5.0	53.1	65.0
Men's footwear, except athletic.....	3143	64.3	10.2	10.9	4.0	4.5	6.2	6.4	61.9	61.9
Women's footwear, except athletic.....	3144	62.0	10.0	9.5	3.7	3.6	6.3	5.9	70.0	62.5
Footwear, except rubber, n.e.c.....	3149	n.a.	11.5	11.4	3.3	4.4	8.2	7.0	52.5	64.3
Leather gloves and mittens.....	315	n.a.	6.4	5.4	2.2	2.4	4.2	3.0	31.1	23.2
Luggage.....	316	17.3	12.1	11.2	4.7	4.5	7.4	6.7	68.2	52.6
Handbags and personal leather goods.....	317	32.3	7.8	9.2	2.4	2.9	5.4	6.3	35.4	39.7
Women's handbags and purses.....	3171	n.a.	6.7	7.9	1.7	2.0	4.9	5.9	22.1	31.8
Personal leather goods, n.e.c.....	3172	n.a.	9.2	10.5	3.3	3.8	5.9	6.6	52.6	47.8
Transportation and public utilities.....		4,927.0	9.7	10.1	5.3	5.7	4.3	4.3	95.9	102.3
Railroad transportation 8/.....	40	536.2	10.8	12.0	6.6	7.6	4.2	4.3	89.4	99.6
Local and interurban passenger transit.....	41	257.6	8.4	8.7	4.6	4.7	3.7	4.0	92.1	84.9
Trucking and warehousing.....	42	1,312.4	15.0	16.2	8.3	9.4	6.6	6.8	158.9	177.1
Trucking, local and long distance.....	421	n.a.	14.9	16.3	8.4	9.5	6.4	6.7	162.8	182.1
Public warehousing.....	422	90.4	16.5	15.5	6.9	7.4	9.6	8.0	103.3	105.7
Trucking terminal facilities.....	423	n.a.	-	17.9	-	9.5	-	8.4	-	176.4
Water transportation.....	44	211.7	14.4	14.4	7.4	7.8	6.9	6.6	292.5	272.1
Water transportation services.....	446	n.a.	21.1	21.9	11.1	12.2	10.0	9.6	473.0	459.5
Transportation by air.....	45	404.5	14.0	13.4	8.0	8.4	5.9	4.9	97.2	95.8
Pipelines, except natural gas.....	46	19.5	5.0	4.7	2.0	1.9	3.0	2.8	32.4	29.3
Transportation services.....	47	169.0	5.5	5.5	2.5	2.7	3.0	2.8	39.5	41.7
Miscellaneous transportation services.....	478	n.a.	19.5	17.9	8.4	7.6	11.0	10.3	126.5	119.8
Communication.....	48	1,238.7	2.8	2.7	1.6	1.5	1.2	1.2	30.2	28.7
Electric, gas, and sanitary services.....	49	777.4	9.0	9.0	4.2	4.4	4.8	4.6	69.0	76.5
Sanitary services.....	495	43.1	24.8	25.9	13.9	15.1	10.8	10.8	206.1	223.0

See footnotes at end of table.

**Table 1. Continued—Occupational injury and illness incidence rates by industry, United States, 1977 and 1978<sup>1</sup>**

Industry 2/	SIC code 3/	1978 annual average employment (in thousands) 4/	Incidence rates per 100 full-time workers 5/							
			Total cases 6/		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
			1977	1978	1977	1978	1977	1978	1977	1978
Wholesale and retail trade.....		19,499.0	7.7	7.9	2.9	3.2	4.8	4.7	44.0	44.9
Wholesale trade.....		4,957.0	8.5	8.9	3.6	3.9	4.9	5.0	52.5	57.5
Wholesale trade—durable goods.....	50	2,887.0	8.2	8.6	3.2	3.6	5.0	5.0	44.0	51.8
Wholesale trade—nondurable goods.....	51	2,070.0	9.0	9.3	4.1	4.4	4.9	4.9	64.2	65.8
Retail trade.....		14,542.0	7.4	7.5	2.7	2.8	4.7	4.7	40.5	39.7
Building materials and garden supplies....	52	607.1	9.4	9.8	3.7	4.2	5.7	5.6	62.1	60.6
General merchandise stores.....	53	2,304.0	8.7	9.1	3.3	3.8	5.4	5.3	45.2	48.6
Food stores.....	54	2,194.6	11.4	10.7	4.4	4.2	6.9	6.5	71.2	67.2
Automotive dealers and service stations...	55	1,860.7	7.8	8.0	2.6	2.5	5.2	5.4	41.8	39.0
Apparel and accessory stores.....	56	905.4	2.0	2.3	.7	.9	1.3	1.4	13.6	14.8
Furniture and home furnishings stores.....	57	594.7	5.0	5.1	2.1	2.4	2.9	2.6	42.3	38.6
Eating and drinking places.....	58	4,258.1	7.3	7.5	2.4	2.5	4.9	4.9	30.0	28.7
Miscellaneous retail.....	59	1,816.7	3.6	3.8	1.3	1.6	2.3	2.1	22.3	23.8
Finance, insurance, and real estate.....		4,727.0	2.0	2.1	.8	.8	1.2	1.2	10.4	12.5
Banking.....	60	1,421.9	1.5	1.5	.6	.6	.9	.9	6.6	7.4
Credit agencies other than banks.....	61	515.4	1.1	1.1	.3	.4	.8	.7	4.0	5.2
Security, commodity brokers, and services...	62	189.8	1.1	.8	.5	.3	.6	.5	4.0	4.6
Insurance carriers.....	63	1,176.9	1.7	1.9	.7	.7	1.0	1.2	8.6	12.1
Insurance agents, brokers, and service.....	64	403.7	.7	.8	.2	.3	.4	.4	5.2	-
Real estate.....	65	890.0	4.7	4.9	2.0	2.2	2.6	2.6	28.7	33.6
Services.....		15,891.0	5.5	5.5	2.2	2.4	3.3	3.1	35.4	36.2
Hotels and other lodging places.....	70	970.6	8.9	9.2	3.2	3.6	5.7	5.6	47.3	51.5
Personal services.....	72	904.3	3.6	3.5	1.6	1.5	2.0	1.9	29.8	28.1
Business services.....	73	2,613.9	4.8	4.9	2.0	2.2	2.8	2.7	31.9	34.9
Auto repair, services, and garages.....	75	547.2	7.6	8.2	3.1	3.4	4.5	4.8	43.5	42.2
Miscellaneous repair services.....	76	258.9	10.4	10.0	4.3	4.5	6.0	5.5	77.2	69.3
Miscellaneous repair shops.....	769	n.a.	12.8	12.4	5.3	5.4	7.4	7.0	87.5	80.4
Motion pictures.....	78	210.4	-	4.2	-	1.3	-	2.9	-	25.7
Amusement and recreation services.....	79	709.8	10.1	8.4	4.9	3.7	5.1	4.7	56.4	46.7
Health services.....	80	4,808.3	6.9	6.8	2.8	3.0	4.1	3.7	46.7	48.1
Educational services.....	82	1,051.7	3.2	3.2	1.2	1.3	2.0	1.9	20.3	19.5
Social services.....	83	978.5	5.4	6.0	2.0	2.6	3.4	3.4	29.8	37.8
Museums, botanical and zoological gardens.....	84	n.a.	7.6	7.3	2.7	2.7	4.9	4.6	41.3	35.1
Miscellaneous services.....	89	865.8	2.2	1.9	.9	.7	1.3	1.2	15.2	10.3

<sup>1</sup> In order to maintain the comparability of the 1978 survey data with the data published in previous years, a statistical method was developed for generating the 1978 estimates to represent the small nonfarm employers in low-risk industries which were not surveyed. The estimating procedure involved averaging the data reported by small employers for the 1975, 1976, and 1977 annual surveys.

<sup>2</sup> Totals for divisions and 2- and 3-digit SIC codes include data for industries not shown separately.

<sup>3</sup> Standard Industrial Classification Manual, 1972 Edition.

<sup>4</sup> Annual average employment for nonagricultural industries is based on the employment and earnings survey conducted by the Bureau of Labor Statistics, in cooperation with the State agencies. The employment estimate for the services division is adjusted to exclude the employment for (a) nonfarm portion of agricultural services and (b) nonclassifiable establishments. Annual average employment for the agriculture, forestry, and fishing division is a composite of data from State unemployment insurance programs, and estimates of hired-farm workers engaged in agricultural production provided by the U.S. Department of Agriculture. The agricultural production employment estimate as originally published by the Department of Agriculture is adjusted to exclude employment on farms with fewer than 11 employees.

<sup>5</sup> The incidence rates represent the number of injuries and illnesses or lost workdays per 100 full-time workers and were calculated as: (N/EH) X 200,000, where

N = number of injuries and illnesses or lost workdays  
EH = total hours worked by all employees during calendar year  
200,000 = base for 100 full-time equivalent workers (working 40 hours per week, 50 weeks per year).

\* Includes fatalities. Because of rounding, the difference between the total and the sum of the rates for lost workday cases and nonfatal cases without lost workdays does not reflect the fatality rate.

<sup>7</sup> Excludes farms with fewer than 11 employees.

<sup>8</sup> Data conforming to OSHA definitions for coal and lignite mining (SIC 11 and 12) and metal and nonmetal mining (SIC 10 and 14), and for railroad transportation (SIC 40) were provided by the Mine Safety and Health Administration, U.S. Department of Labor, and by the Federal Railroad Administration, U.S. Department of Transportation.

NOTE: Dashes indicate data that do not meet publication guidelines.  
n.e.c. = not elsewhere classified.  
n.a. = Data not available.

SOURCE: Bureau of Labor Statistics, U.S. Department of Labor.

**Table 2. Occupational Injury and illness incidence rates by industry and employment size, United States, 1978**

Industry and employment size <sup>1/</sup>	SIC code <sup>2/</sup>	Incidence rates per 100 full-time workers <sup>3/</sup>			
		Mean <sup>4/</sup>	Median <sup>4/</sup>	Middle range <sup>4/</sup>	
				First quartile	Third quartile
<b>Private sector <sup>5/</sup>:</b>					
All sizes.....		9.4	0.0	0.0	0.0
1 to 19.....		4.1	.0	.0	.0
20 to 49.....		9.1	.0	.0	13.2
50 to 99.....		11.8	7.2	.0	17.9
100 to 249.....		13.1	9.2	2.7	19.3
250 to 499.....		12.6	9.2	3.8	18.1
500 to 999.....		10.8	8.2	3.6	15.2
1,000 to 2,499.....		9.0	6.8	3.1	12.7
2,500 and over.....		7.2	5.9	2.8	10.4
<b>Agriculture, forestry, and fishing:</b>					
All sizes.....		11.6	.0	.0	.0
1 to 19.....		6.9	.0	.0	.0
20 to 49.....		10.9	3.6	.0	14.4
50 to 99.....		14.1	10.5	1.6	21.5
100 to 249.....		15.4	13.1	5.8	22.6
250 to 499.....		17.4	15.5	7.6	21.9
500 to 999.....		14.6	12.5	7.1	23.7
1,000 to 2,499.....		22.6	(6)	(6)	(6)
<b>Agricultural production.....</b>					
	01-02				
All sizes.....		12.8	1.8	.0	14.3
1 to 19.....		8.7	.0	.0	11.6
20 to 49.....		9.8	3.4	.0	13.1
50 to 99.....		13.6	9.9	1.3	20.2
100 to 249.....		15.5	13.0	6.1	22.0
250 to 499.....		18.2	16.4	9.5	24.5
500 to 999.....		15.0	(6)	(6)	(6)
1,000 to 2,499.....		27.1	(6)	(6)	(6)
<b>Agricultural services.....</b>					
	07				
All sizes.....		10.3	.0	.0	.0
1 to 19.....		6.2	.0	.0	.0
20 to 49.....		13.8	2.9	.0	18.7
50 to 99.....		15.0	12.5	3.0	26.3
100 to 249.....		15.7	13.7	5.5	24.5
250 to 499.....		15.9	13.7	4.4	28.3
500 to 999.....		15.5	(6)	(6)	(6)
1,000 to 2,499.....		8.5	(6)	(6)	(6)
<b>Forestry.....</b>					
	08				
All sizes.....		11.0	.0	.0	9.1
1 to 19.....		8.0	.0	.0	.0
20 to 49.....		11.9	6.5	.0	17.5
50 to 99.....		21.5	(6)	(6)	(6)
100 to 249.....		10.8	(6)	(6)	(6)
<b>Fishing, hunting, and trapping.....</b>					
	09				
All sizes.....		4.1	.0	.0	.0
1 to 19.....		2.9	.0	.0	.0
20 to 49.....		4.5	.0	.0	6.2
50 to 99.....		20.2	(6)	(6)	(6)
<b>Mining:</b>					
All sizes.....		11.5	.0	.0	7.5
1 to 19.....		7.6	.0	.0	.0
20 to 49.....		12.7	6.2	.0	17.8
50 to 99.....		13.8	8.2	1.7	20.1
100 to 249.....		13.0	8.6	3.1	19.0
250 to 499.....		13.0	9.6	3.9	18.1
500 to 999.....		9.6	8.3	3.9	14.4
1,000 to 2,499.....		8.6	7.0	3.2	11.8
2,500 and over.....		.9	(6)	(6)	(6)
<b>Metal mining <sup>5/</sup>.....</b>					
	10				
All sizes.....		10.0	1.7	.0	12.1
1 to 19.....		10.2	.0	.0	.0
20 to 49.....		12.7	8.4	.0	17.7
50 to 99.....		10.8	8.8	2.6	16.2
100 to 249.....		10.3	7.5	3.6	13.8
250 to 499.....		9.2	7.6	4.5	12.1
500 to 999.....		8.4	7.1	3.5	12.0
1,000 to 2,499.....		12.0	(6)	(6)	(6)
<b>Anthracite mining <sup>5/</sup>.....</b>					
	11				
All sizes.....		19.6	.0	.0	9.9
1 to 19.....		13.9	.0	.0	.0
20 to 49.....		26.5	16.5	6.4	31.8
50 to 99.....		19.7	(6)	(6)	(6)
<b>Bituminous coal and lignite mining <sup>5/</sup>.....</b>					
	12				
All sizes.....		10.1	.0	.0	9.2
1 to 19.....		7.0	.0	.0	.0
20 to 49.....		8.5	3.1	.0	13.6
50 to 99.....		9.2	6.3	1.4	13.0
100 to 249.....		10.3	8.6	3.9	15.2

See footnotes at end of table.

**Table 2. Continued—Occupational injury and illness incidence rates by industry and employment size, United States, 1978**

Industry and employment size <u>1/</u>	SIC code <u>2/</u>	Incidence rates per 100 full-time workers <u>3/</u>			
		Mean <u>4/</u>	Median <u>4/</u>	Middle range <u>4/</u>	
				First quartile	Third quartile
<b>Oil and gas extraction.....</b>	<b>13</b>				
All sizes.....		13.9	0.0	0.0	10.3
1 to 19.....		8.9	.0	.0	.0
20 to 49.....		16.2	9.5	.0	24.5
50 to 99.....		17.3	13.4	2.4	26.8
100 to 249.....		16.7	12.4	3.0	27.6
250 to 499.....		16.2	12.5	2.7	29.8
500 to 999.....		9.1	4.3	2.1	19.7
1,000 to 2,499.....		3.7	(6)	(6)	(6)
2,500 and over.....		.4	(6)	(6)	(6)
<b>Crude petroleum and natural gas.....</b>	<b>131</b>				
All sizes.....		4.4	.0	.0	.0
1 to 19.....		5.1	.0	.0	.0
20 to 49.....		6.2	.0	.0	8.2
50 to 99.....		6.4	2.7	.0	9.6
100 to 249.....		3.9	2.3	.0	4.6
250 to 499.....		5.8	3.3	1.4	7.5
500 to 999.....		2.7	(6)	(6)	(6)
1,000 to 2,499.....		.8	(6)	(6)	(6)
2,500 and over.....		.4	(6)	(6)	(6)
<b>Oil and gas field services.....</b>	<b>138</b>				
All sizes.....		20.3	.0	.0	20.1
1 to 19.....		11.7	.0	.0	.0
20 to 49.....		20.4	16.7	5.2	29.6
50 to 99.....		22.1	21.2	8.9	30.7
100 to 249.....		23.2	21.6	11.0	33.4
250 to 499.....		25.3	23.9	14.2	41.5
500 to 999.....		17.0	(6)	(6)	(6)
1,000 to 2,499.....		9.1	(6)	(6)	(6)
<b>Nonmetallic minerals, except fuels <u>5/</u>.....</b>	<b>14</b>				
All sizes.....		6.9	.0	.0	.6
1 to 19.....		5.8	.0	.0	.0
20 to 49.....		7.8	3.4	.0	11.4
50 to 99.....		7.7	5.4	.7	10.7
100 to 249.....		6.8	5.3	1.8	10.2
250 to 499.....		6.2	6.3	3.2	9.5
500 to 999.....		9.2	(6)	(6)	(6)
<b>Construction:</b>					
All sizes.....		16.0	.0	.0	9.0
1 to 19.....		9.6	.0	.0	.0
20 to 49.....		18.1	13.7	.0	27.7
50 to 99.....		21.5	20.3	9.0	31.7
100 to 249.....		21.4	19.7	10.1	32.0
250 to 499.....		21.0	19.1	10.5	29.6
500 to 999.....		18.7	15.9	8.6	26.6
1,000 to 2,499.....		17.7	13.7	6.8	28.7
2,500 and over.....		6.5	(6)	(6)	(6)
<b>General building contractors.....</b>	<b>15</b>				
All sizes.....		15.9	.0	.0	6.7
1 to 19.....		9.2	.0	.0	.0
20 to 49.....		18.5	14.5	.0	27.7
50 to 99.....		22.1	21.5	10.1	32.5
100 to 249.....		21.9	21.2	8.7	34.0
250 to 499.....		21.5	18.9	10.4	30.3
500 to 999.....		20.5	19.4	9.3	27.9
1,000 to 2,499.....		18.5	(6)	(6)	(6)
2,500 and over.....		9.6	(6)	(6)	(6)
<b>Residential building construction.....</b>	<b>152</b>				
All sizes.....		13.3	.0	0.0	.0
1 to 19.....		8.5	.0	0.0	.0
20 to 49.....		18.1	12.2	0.0	28.1
50 to 99.....		21.7	19.7	7.2	33.7
100 to 249.....		19.6	18.0	2.4	31.7
250 to 499.....		22.8	17.7	7.5	29.2
500 to 999.....		38.4	(6)	(6)	(6)
<b>Operative builders.....</b>	<b>153</b>				
All sizes.....		15.7	.0	.0	.0
1 to 19.....		7.8	.0	.0	.0
20 to 49.....		14.3	9.1	.0	19.4
50 to 99.....		15.5	12.6	2.5	24.1
100 to 249.....		16.7	16.0	6.6	25.8
250 to 499.....		15.3	(6)	(6)	(6)
500 to 999.....		14.2	(6)	(6)	(6)
<b>Nonresidential building construction.....</b>	<b>154</b>				
All sizes.....		19.2	.0	.0	22.7
1 to 19.....		12.4	.0	.0	11.9
20 to 49.....		19.4	16.4	1.3	28.1
50 to 99.....		23.3	23.3	12.1	32.9
100 to 249.....		24.3	22.9	11.5	35.8
250 to 499.....		21.5	20.3	11.5	31.3
500 to 999.....		16.6	18.3	9.1	27.0
1,000 to 2,499.....		12.8	(6)	(6)	(6)

See footnotes at end of table.

**Table 2. Continued—Occupational injury and illness incidence rates by industry and employment size, United States, 1978**

Industry and employment size <sup>1/</sup>	SIC code <sup>2/</sup>	Incidence rates per 100 full-time workers <sup>3/</sup>			
		Mean <sup>4/</sup>	Median <sup>4/</sup>	Middle range <sup>4/</sup>	
				First quartile	Third quartile
<b>Heavy construction contractors.....</b>	<b>16</b>				
All sizes.....		16.6	0.0	0.0	18.5
1 to 19.....		10.1	.0	.0	.0
20 to 49.....		16.5	13.1	3.3	25.2
50 to 99.....		19.0	18.1	8.1	28.3
100 to 249.....		19.8	17.9	10.1	29.2
250 to 499.....		21.2	19.9	11.8	30.2
500 to 999.....		18.1	15.4	8.8	21.5
1,000 to 2,499.....		16.3	13.7	6.2	27.9
2,500 and over.....		6.3	(6)	(6)	(6)
<b>Highway and street construction.....</b>	<b>161</b>				
All sizes.....		15.2	.0	.0	16.7
1 to 19.....		9.6	.0	.0	.0
20 to 49.....		14.3	11.7	2.5	21.2
50 to 99.....		16.0	14.1	6.1	25.2
100 to 249.....		16.8	17.1	9.0	24.3
250 to 499.....		16.8	17.6	10.7	23.3
500 to 999.....		18.7	(6)	(6)	(6)
<b>Heavy construction, except highway.....</b>	<b>162</b>				
All sizes.....		17.2	.0	.0	19.7
1 to 19.....		10.4	.0	.0	.0
20 to 49.....		18.0	14.9	3.8	26.9
50 to 99.....		21.1	20.8	10.1	30.5
100 to 249.....		21.7	19.0	10.6	32.9
250 to 499.....		23.8	22.5	12.7	34.4
500 to 999.....		17.9	13.7	8.1	20.8
1,000 to 2,499.....		16.0	14.1	6.2	28.7
2,500 and over.....		6.3	(6)	(6)	(6)
<b>Special trade contractors.....</b>	<b>17</b>				
All sizes.....		15.8	.0	.0	7.0
1 to 19.....		9.7	.0	.0	.0
20 to 49.....		18.3	13.6	.0	28.5
50 to 99.....		22.6	20.9	9.2	33.1
100 to 249.....		22.5	20.8	10.9	33.1
250 to 499.....		20.8	18.0	9.0	28.8
500 to 999.....		17.7	13.9	7.5	28.3
1,000 to 2,499.....		23.6	(6)	(6)	(6)
<b>Plumbing, heating, and air conditioning.....</b>	<b>171</b>				
All sizes.....		16.9	.0	.0	9.1
1 to 19.....		9.7	.0	.0	.0
20 to 49.....		19.2	15.6	1.1	30.3
50 to 99.....		23.6	22.3	12.0	33.0
100 to 249.....		24.8	23.3	12.1	36.5
250 to 499.....		23.2	20.8	11.2	31.6
500 to 999.....		26.2	(6)	(6)	(6)
1,000 to 2,499.....		38.4	(6)	(6)	(6)
<b>Painting, paper hanging, and decorating.....</b>	<b>172</b>				
All sizes.....		9.4	.0	.0	.0
1 to 19.....		5.5	.0	.0	.0
20 to 49.....		11.4	6.0	.0	17.3
50 to 99.....		16.4	10.8	3.0	24.1
100 to 249.....		16.9	13.7	3.6	25.7
<b>Electrical work.....</b>	<b>173</b>				
All sizes.....		14.0	.0	.0	9.6
1 to 19.....		8.8	.0	.0	.0
20 to 49.....		15.5	12.8	.0	24.5
50 to 99.....		20.4	19.7	9.5	28.9
100 to 249.....		18.5	18.0	8.0	28.4
250 to 499.....		16.0	13.3	7.6	25.5
500 to 999.....		12.4	(6)	(6)	(6)
<b>Masonry, stonework, and plastering.....</b>	<b>174</b>				
All sizes.....		15.6	.0	.0	2.9
1 to 19.....		8.9	.0	.0	.0
20 to 49.....		17.9	13.4	.0	28.0
50 to 99.....		22.6	21.4	10.3	32.1
100 to 249.....		23.9	23.6	13.2	31.9
250 to 499.....		23.7	(6)	(6)	(6)
<b>Carpentering and flooring.....</b>	<b>175</b>				
All sizes.....		13.6	.0	.0	.0
1 to 19.....		8.5	.0	.0	.0
20 to 49.....		16.7	10.4	.0	26.2
50 to 99.....		25.0	22.0	8.8	36.8
100 to 249.....		28.6	31.8	13.9	42.5
250 to 499.....		36.4	(6)	(6)	(6)
<b>Roofing and sheet-metal work.....</b>	<b>176</b>				
All sizes.....		22.5	.0	.0	22.9
1 to 19.....		15.8	.0	.0	13.7
20 to 49.....		28.1	24.3	7.5	42.7
50 to 99.....		27.6	27.2	12.3	42.2
100 to 249.....		24.2	22.2	11.8	38.1

See footnotes at end of table.



**Table 2. Continued—Occupational Injury and Illness Incidence rates by industry and employment size, United States, 1978**

Industry and employment size <sup>1/</sup>	SIC code <sup>2/</sup>	Incidence rates per 100 full-time workers <sup>3/</sup>			
		Mean <sup>4/</sup>	Median <sup>4/</sup>	Middle range <sup>4/</sup>	
				First quartile	Third quartile
Concrete work.....	177				
All sizes.....		14.6	0.0	0.0	10.8
1 to 19.....		9.4	.0	.0	.0
20 to 49.....		15.4	9.1	.0	22.1
50 to 99.....		23.1	18.7	8.2	28.9
100 to 249.....		20.1	16.8	11.0	32.5
250 to 499.....		30.5	(6)	(6)	(6)
Water well drilling.....	178				
All sizes.....		12.8	.0	.0	.0
1 to 19.....		9.6	.0	.0	.0
20 to 49.....		20.4	20.2	9.4	28.7
50 to 99.....		18.3	(6)	(6)	(6)
Miscellaneous special trade contractors.....	179				
All sizes.....		16.9	.0	.0	13.3
1 to 19.....		11.6	.0	.0	.0
20 to 49.....		19.2	13.7	.0	29.1
50 to 99.....		22.0	19.6	7.0	36.2
100 to 249.....		23.0	19.2	11.7	31.8
250 to 499.....		19.8	(6)	(6)	(6)
Manufacturing:					
All sizes.....		13.2	.0	.0	16.6
1 to 19.....		8.6	.0	.0	.0
20 to 49.....		15.1	8.6	.0	22.9
50 to 99.....		18.1	13.4	4.5	26.0
100 to 249.....		18.3	14.3	6.7	26.1
250 to 499.....		15.7	12.5	6.4	22.0
500 to 999.....		12.5	9.7	5.0	17.5
1,000 to 2,499.....		9.5	7.3	3.4	13.3
2,500 and over.....		7.0	5.9	2.8	9.6
Durable goods:					
All sizes.....		14.2	2.8	.0	21.0
1 to 19.....		10.9	.0	.0	8.2
20 to 49.....		18.6	13.4	.0	28.3
50 to 99.....		21.7	17.6	7.8	31.0
100 to 249.....		21.1	17.8	8.8	30.2
250 to 499.....		17.8	14.6	7.7	25.2
500 to 999.....		13.5	11.1	5.7	19.0
1,000 to 2,499.....		9.9	7.8	3.6	14.1
2,500 and over.....		7.1	6.1	2.9	9.8
Lumber and wood products.....	24				
All sizes.....		22.6	.0	.0	26.7
1 to 19.....		15.6	.0	.0	17.1
20 to 49.....		24.3	20.3	7.2	35.4
50 to 99.....		26.6	23.0	11.6	37.3
100 to 249.....		25.5	22.7	12.4	36.6
250 to 499.....		21.1	16.9	10.1	31.3
500 to 999.....		15.9	13.7	9.0	19.6
1,000 to 2,499.....		13.7	(6)	(6)	(6)
Logging camps and logging contractors.....	241				
All sizes.....		25.9	.0	.0	28.3
1 to 19.....		21.0	.0	.0	23.2
20 to 49.....		30.5	27.3	11.8	46.5
50 to 99.....		48.9	48.7	30.4	76.8
100 to 249.....		21.9	18.9	10.4	32.2
250 to 499.....		17.5	(6)	(6)	(6)
500 to 999.....		20.9	(6)	(6)	(6)
Sawmills and planing mills.....	242				
All sizes.....		21.7	5.8	.0	26.2
1 to 19.....		14.1	.0	.0	16.8
20 to 49.....		24.5	19.7	6.8	34.7
50 to 99.....		24.5	20.7	11.5	34.2
100 to 249.....		24.6	22.0	11.9	34.8
250 to 499.....		19.7	14.6	9.1	27.9
500 to 999.....		16.8	(6)	(6)	(6)
1,000 to 2,499.....		11.8	(6)	(6)	(6)
Millwork, plywood, and structural members.....	243				
All sizes.....		20.4	4.9	.0	23.2
1 to 19.....		11.5	.0	.0	8.7
20 to 49.....		22.1	18.3	5.9	33.1
50 to 99.....		23.3	21.7	9.5	32.6
100 to 249.....		24.6	21.3	12.4	34.6
250 to 499.....		19.0	16.3	9.0	26.6
500 to 999.....		14.3	13.1	8.7	18.5
1,000 to 2,499.....		19.4	(6)	(6)	(6)
Wood containers.....	244				
All sizes.....		21.4	7.3	.0	27.5
1 to 19.....		14.6	.0	.0	22.5
20 to 49.....		24.2	21.3	7.5	36.2
50 to 99.....		25.3	22.2	11.9	38.1
100 to 249.....		23.0	22.2	9.9	31.6
250 to 499.....		16.0	(6)	(6)	(6)

See footnotes at end of table.

**Table 2. Continued—Occupational injury and illness incidence rates by industry and employment size, United States, 1978**

Industry and employment size <u>1/</u>	SIC code <u>2/</u>	Incidence rates per 100 full-time workers <u>3/</u>			
		Mean <u>4/</u>	Median <u>4/</u>	Middle range <u>4/</u>	
				First quartile	Third quartile
Wood buildings and mobile homes.....	245				
All sizes.....		32.7	24.4	8.7	43.1
1 to 19.....		19.9	.0	.0	31.3
20 to 49.....		29.4	19.3	11.5	43.8
50 to 99.....		34.9	30.2	17.1	47.9
100 to 249.....		32.5	31.2	18.8	42.9
250 to 499.....		36.0	34.6	14.6	55.7
500 to 999.....		25.6	(6)	(6)	(6)
Miscellaneous wood products.....	249				
All sizes.....		18.5	1.5	.0	21.9
1 to 19.....		10.9	.0	.0	11.8
20 to 49.....		20.2	17.7	4.7	29.7
50 to 99.....		20.9	17.5	8.2	33.1
100 to 249.....		21.4	15.9	9.2	32.2
250 to 499.....		21.0	(6)	(6)	(6)
500 to 999.....		10.1	(6)	(6)	(6)
Furniture and fixtures.....	25				
All sizes.....		17.5	6.2	.0	20.5
1 to 19.....		8.5	.0	.0	.0
20 to 49.....		15.8	13.0	1.6	24.7
50 to 99.....		20.6	18.6	9.0	28.9
100 to 249.....		20.6	18.5	9.6	28.8
250 to 499.....		19.8	17.1	8.6	28.3
500 to 999.....		14.8	13.1	7.5	21.8
1,000 to 2,499.....		14.4	11.6	7.2	21.6
2,500 and over.....		12.0	(6)	(6)	(6)
Household furniture.....	251				
All sizes.....		16.5	6.8	.0	19.7
1 to 19.....		8.3	.0	.0	.0
20 to 49.....		14.5	12.5	1.3	22.8
50 to 99.....		20.1	18.0	8.9	28.0
100 to 249.....		19.8	17.5	8.6	27.5
250 to 499.....		18.0	16.6	9.2	26.0
500 to 999.....		13.3	11.6	6.7	18.1
1,000 to 2,499.....		13.5	(6)	(6)	(6)
Office furniture.....	252				
All sizes.....		18.4	9.4	.0	22.6
20 to 49.....		15.2	9.5	2.9	23.4
50 to 99.....		20.9	17.0	2.5	26.7
100 to 249.....		21.9	18.8	11.6	26.0
250 to 499.....		21.4	(6)	(6)	(6)
500 to 999.....		18.7	(6)	(6)	(6)
1,000 to 2,499.....		14.9	(6)	(6)	(6)
Public building and related furniture.....	253				
All sizes.....		21.3	12.9	.0	27.0
1 to 19.....		8.8	(6)	(6)	(6)
20 to 49.....		19.5	18.7	3.4	32.8
50 to 99.....		23.2	18.8	13.4	33.3
100 to 249.....		24.5	23.7	17.2	33.3
250 to 499.....		24.0	(6)	(6)	(6)
500 to 999.....		16.9	(6)	(6)	(6)
Partitions and fixtures.....	254				
All sizes.....		20.2	7.1	.0	23.9
1 to 19.....		10.8	.0	.0	9.8
20 to 49.....		19.9	17.2	4.3	28.5
50 to 99.....		23.3	22.2	10.9	31.8
100 to 249.....		22.8	22.0	12.1	32.3
250 to 499.....		24.8	(6)	(6)	(6)
500 to 999.....		15.0	(6)	(6)	(6)
Miscellaneous furniture and fixtures.....	259				
All sizes.....		19.0	.0	.0	9.0
1 to 19.....		4.4	.0	.0	.0
20 to 49.....		12.1	7.6	.0	15.4
50 to 99.....		17.4	13.1	7.3	28.3
100 to 249.....		19.5	17.9	7.8	28.7
250 to 499.....		33.8	(6)	(6)	(6)
500 to 999.....		27.0	(6)	(6)	(6)
Stone, clay, and glass products.....	32				
All sizes.....		16.8	4.2	.0	20.7
1 to 19.....		10.2	.0	.0	10.2
20 to 49.....		19.9	15.7	3.6	28.3
50 to 99.....		21.2	19.2	9.2	31.6
100 to 249.....		19.6	17.8	8.8	28.6
250 to 499.....		16.7	13.8	7.1	23.8
500 to 999.....		15.5	13.2	8.1	20.4
1,000 to 2,499.....		12.5	10.8	6.8	17.0
2,500 and over.....		13.4	(6)	(6)	(6)
Flat glass.....	321				
All sizes.....		18.1	16.6	1.1	39.8
1 to 19.....		20.0	(6)	(6)	(6)
20 to 49.....		35.5	(6)	(6)	(6)
100 to 249.....		14.7	(6)	(6)	(6)
250 to 499.....		27.5	(6)	(6)	(6)
500 to 999.....		19.0	(6)	(6)	(6)
1,000 to 2,499.....		20.8	(6)	(6)	(6)

See footnotes at end of table.

**Table 2. Continued—Occupational injury and illness incidence rates by industry and employment size, United States, 1978**

Industry and employment size <sup>1/</sup>	SIC code <sup>2/</sup>	Incidence rates per 100 full-time workers <sup>3/</sup>			
		Mean <sup>4/</sup>	Median <sup>4/</sup>	Middle range <sup>4/</sup>	
				First quartile	Third quartile
<b>Glass and glassware, pressed and blown.....</b>	<b>322</b>				
All sizes.....		14.6	13.5	3.0	23.0
50 to 99.....		26.1	(6)	(6)	(6)
100 to 249.....		16.1	14.2	2.8	23.7
250 to 499.....		14.6	13.5	7.7	19.5
500 to 999.....		16.7	14.4	10.5	20.8
1,000 to 2,499.....		12.7	11.6	7.2	17.9
2,500 and over.....		9.2	(6)	(6)	(6)
<b>Products of purchased glass.....</b>	<b>323</b>				
All sizes.....		20.5	.0	.0	24.6
1 to 19.....		6.4	.0	.0	.0
20 to 49.....		33.0	21.5	3.6	43.3
50 to 99.....		23.6	23.7	7.9	37.1
100 to 249.....		30.7	26.9	17.0	41.0
250 to 499.....		25.1	(6)	(6)	(6)
500 to 999.....		10.0	(6)	(6)	(6)
1,000 to 2,499.....		16.9	(6)	(6)	(6)
<b>Structural clay products.....</b>	<b>325</b>				
All sizes.....		18.5	12.7	.0	26.0
1 to 19.....		4.6	.0	.0	.0
20 to 49.....		19.5	17.6	4.5	29.6
50 to 99.....		20.8	18.4	10.2	28.9
100 to 249.....		22.9	21.8	13.2	29.6
250 to 499.....		17.4	(6)	(6)	(6)
500 to 999.....		8.5	(6)	(6)	(6)
<b>Pottery and related products.....</b>	<b>326</b>				
All sizes.....		16.7	.0	.0	10.1
20 to 49.....		12.8	7.2	.0	18.7
50 to 99.....		14.7	10.6	2.2	23.7
100 to 249.....		23.6	22.5	12.0	35.8
250 to 499.....		21.9	18.3	8.7	34.0
500 to 999.....		13.9	(6)	(6)	(6)
1,000 to 2,499.....		11.2	(6)	(6)	(6)
<b>Concrete, gypsum, and plaster products.....</b>	<b>327</b>				
All sizes.....		18.1	3.5	.0	21.1
1 to 19.....		10.8	.0	.0	13.0
20 to 49.....		20.3	16.5	5.2	28.3
50 to 99.....		23.4	21.5	11.7	32.5
100 to 249.....		18.3	15.9	7.6	26.8
250 to 499.....		15.1	11.6	5.7	24.5
500 to 999.....		26.6	(6)	(6)	(6)
<b>Cut stone and stone products.....</b>	<b>328</b>				
All sizes.....		14.2	.0	.0	13.1
1 to 19.....		8.5	.0	.0	.0
20 to 49.....		16.9	14.6	3.9	26.5
50 to 99.....		15.6	(6)	(6)	(6)
100 to 249.....		25.8	(6)	(6)	(6)
<b>Miscellaneous nonmetallic mineral products...</b>	<b>329</b>				
All sizes.....		16.7	6.3	.0	20.3
1 to 19.....		10.3	.0	.0	9.5
20 to 49.....		17.5	12.7	.0	26.4
50 to 99.....		18.7	15.3	6.6	30.6
100 to 249.....		21.0	19.1	9.7	29.1
250 to 499.....		16.1	12.9	6.9	22.6
500 to 999.....		14.5	13.8	7.6	18.1
1,000 to 2,499.....		10.0	(6)	(6)	(6)
<b>Primary metal industries.....</b>	<b>33</b>				
All sizes.....		17.0	15.2	.0	32.3
1 to 19.....		14.4	.0	.0	16.1
20 to 49.....		25.8	19.7	7.3	39.3
50 to 99.....		31.2	26.3	14.0	42.9
100 to 249.....		27.5	23.5	12.5	38.9
250 to 499.....		23.8	20.4	11.2	32.6
500 to 999.....		18.3	15.3	9.4	27.2
1,000 to 2,499.....		12.6	8.9	5.8	18.7
2,500 and over.....		9.2	8.0	4.7	12.5
<b>Blast furnace and basic steel products.....</b>	<b>331</b>				
All sizes.....		13.0	18.4	7.8	38.7
1 to 19.....		26.5	8.8	.0	44.6
20 to 49.....		34.5	31.3	12.5	47.9
50 to 99.....		29.2	21.6	12.8	45.6
100 to 249.....		26.5	22.6	9.6	37.9
250 to 499.....		23.4	21.6	8.5	32.7
500 to 999.....		18.8	17.1	8.9	27.7
1,000 to 2,499.....		10.2	9.5	5.9	14.4
2,500 and over.....		9.4	8.3	4.3	13.0
<b>Iron and steel foundries.....</b>	<b>332</b>				
All sizes.....		24.6	24.2	9.7	44.1
1 to 19.....		23.1	9.6	.0	26.8
20 to 49.....		34.6	26.1	8.9	46.7
50 to 99.....		39.1	33.4	15.8	54.4
100 to 249.....		34.8	30.4	17.6	47.7
250 to 499.....		32.9	27.7	17.6	44.7
500 to 999.....		21.5	18.6	12.4	31.4
1,000 to 2,499.....		20.4	18.9	8.7	29.5
2,500 and over.....		8.0	(6)	(6)	(6)

See footnotes at end of table.

**Table 2. Continued—Occupational injury and illness incidence rates by industry and employment size, United States, 1978**

Industry and employment size <sup>1/</sup>	SIC code <sup>2/</sup>	Incidence rates per 100 full-time workers <sup>3/</sup>			
		Mean <sup>4/</sup>	Median <sup>4/</sup>	Middle range <sup>4/</sup>	
				First quartile	Third quartile
<b>Primary nonferrous metals.....</b>	<b>333</b>				
All sizes.....		13.0	11.8	5.7	22.1
1 to 19.....		17.9	(6)	(6)	(6)
20 to 49.....		24.6	(6)	(6)	(6)
50 to 99.....		18.1	(6)	(6)	(6)
100 to 249.....		13.1	(6)	(6)	(6)
250 to 499.....		13.7	(6)	(6)	(6)
500 to 999.....		14.3	12.8	7.9	15.6
1,000 to 2,499.....		12.5	(6)	(6)	(6)
<b>Secondary nonferrous metals.....</b>	<b>334</b>				
All sizes.....		27.6	12.4	.0	32.5
1 to 19.....		7.8	(6)	(6)	(6)
20 to 49.....		21.3	14.1	.0	37.5
50 to 99.....		32.6	28.1	16.2	35.6
100 to 249.....		31.2	20.3	13.9	51.6
250 to 499.....		30.5	(6)	(6)	(6)
<b>Nonferrous rolling and drawing.....</b>	<b>335</b>				
All sizes.....		15.5	12.7	3.7	24.7
1 to 19.....		8.0	.0	.0	10.3
20 to 49.....		16.9	13.2	5.5	24.0
50 to 99.....		26.9	24.0	13.8	37.0
100 to 249.....		22.4	18.8	10.3	31.2
250 to 499.....		17.0	14.4	8.4	23.4
500 to 999.....		15.5	13.2	8.3	19.4
1,000 to 2,499.....		8.7	7.5	3.8	12.5
2,500 and over.....		9.3	(6)	(6)	(6)
<b>Nonferrous foundries.....</b>	<b>336</b>				
All sizes.....		23.0	11.1	.0	27.5
1 to 19.....		11.2	.0	.0	11.7
20 to 49.....		22.6	18.5	2.2	38.0
50 to 99.....		28.2	25.2	14.3	37.7
100 to 249.....		26.5	22.8	13.4	37.6
250 to 499.....		24.3	20.8	13.1	36.6
500 to 999.....		22.3	(6)	(6)	(6)
1,000 to 2,499.....		6.3	(6)	(6)	(6)
<b>Miscellaneous primary metal products.....</b>	<b>339</b>				
All sizes.....		21.4	13.2	.0	28.4
1 to 19.....		13.3	.0	.0	.0
20 to 49.....		23.1	21.1	6.9	34.4
50 to 99.....		28.7	26.1	15.6	43.3
100 to 249.....		23.1	18.9	9.5	38.3
250 to 499.....		16.4	(6)	(6)	(6)
<b>Fabricated metal products.....</b>	<b>34</b>				
All sizes.....		19.3	8.7	.0	26.0
1 to 19.....		12.8	.0	.0	12.4
20 to 49.....		21.4	17.1	4.5	32.5
50 to 99.....		25.1	21.5	11.2	34.3
100 to 249.....		24.5	22.0	12.6	34.1
250 to 499.....		21.3	19.1	11.1	29.8
500 to 999.....		17.3	15.1	8.6	22.6
1,000 to 2,499.....		11.0	9.0	4.2	17.1
2,500 and over.....		7.0	6.6	3.3	8.8
<b>Metal cans and shipping containers.....</b>	<b>341</b>				
All sizes.....		18.4	14.6	3.0	27.0
1 to 19.....		15.2	.0	.0	.0
20 to 49.....		19.2	16.4	7.5	28.1
50 to 99.....		25.5	21.2	12.0	37.9
100 to 249.....		20.1	17.4	11.4	26.0
250 to 499.....		18.0	16.2	10.4	23.9
500 to 999.....		15.4	(6)	(6)	(6)
1,000 to 2,499.....		17.1	(6)	(6)	(6)
<b>Cutlery, hand tools, and hardware.....</b>	<b>342</b>				
All sizes.....		17.8	7.2	.0	23.1
1 to 19.....		8.2	.0	.0	.0
20 to 49.....		18.3	14.4	.0	27.6
50 to 99.....		26.0	22.4	12.9	34.1
100 to 249.....		23.8	22.0	13.0	30.4
250 to 499.....		21.7	20.7	13.2	31.6
500 to 999.....		17.1	14.2	9.9	19.5
1,000 to 2,499.....		13.2	(6)	(6)	(6)
2,500 and over.....		5.6	(6)	(6)	(6)
<b>Plumbing and heating, except electric.....</b>	<b>343</b>				
All sizes.....		19.3	8.9	.0	25.7
1 to 19.....		7.6	.0	.0	.0
20 to 49.....		15.2	8.8	.0	26.6
50 to 99.....		31.3	24.0	13.7	39.2
100 to 249.....		20.2	18.0	10.9	29.4
250 to 499.....		22.4	18.7	10.7	28.1
500 to 999.....		17.5	(6)	(6)	(6)
1,000 to 2,499.....		8.3	(6)	(6)	(6)

See footnotes at end of table.

**Table 2. Continued—Occupational injury and illness incidence rates by industry and employment size, United States, 1978**

Industry and employment size <sup>1/</sup>	SIC code <sup>2/</sup>	Incidence rates per 100 full-time workers <sup>3/</sup>			
		Mean <sup>4/</sup>	Median <sup>4/</sup>	Middle range <sup>4/</sup>	
				First quartile	Third quartile
<b>Fabricated structural metal products.....</b>	<b>344</b>				
All sizes.....		22.5	11.6	0.0	30.8
1 to 19.....		15.9	.0	.0	19.0
20 to 49.....		25.4	21.7	7.7	38.3
50 to 99.....		28.8	25.1	12.8	40.2
100 to 249.....		26.9	24.4	13.8	37.6
250 to 499.....		21.8	21.7	11.8	30.5
500 to 999.....		17.9	14.6	9.5	21.6
1,000 to 2,499.....		10.7	(6)	(6)	(6)
2,500 and over.....		3.8	(6)	(6)	(6)
<b>Screw machine products, bolts, etc.....</b>	<b>345</b>				
All sizes.....		17.0	5.1	.0	20.4
1 to 19.....		9.3	.0	.0	9.6
20 to 49.....		17.1	14.0	2.3	27.1
50 to 99.....		19.8	17.7	8.7	30.6
100 to 249.....		19.9	18.2	11.0	25.4
250 to 499.....		16.9	14.1	9.4	26.0
500 to 999.....		13.2	(6)	(6)	(6)
1,000 to 2,499.....		14.3	(6)	(6)	(6)
<b>Metal forgings and stampings.....</b>	<b>346</b>				
All sizes.....		18.4	15.4	.0	30.7
1 to 19.....		14.4	.0	.0	20.1
20 to 49.....		23.1	20.6	7.0	34.0
50 to 99.....		25.0	23.6	13.1	34.2
100 to 249.....		27.0	24.7	13.9	37.0
250 to 499.....		26.6	23.4	13.8	37.0
500 to 999.....		20.2	18.3	8.6	31.4
1,000 to 2,499.....		11.3	(6)	(6)	(6)
2,500 and over.....		8.0	(6)	(6)	(6)
<b>Metal services, n.e.c.....</b>	<b>347</b>				
All sizes.....		18.1	.0	.0	17.6
1 to 19.....		9.8	.0	.0	9.7
20 to 49.....		17.1	12.4	.9	25.3
50 to 99.....		21.9	17.9	8.7	30.7
100 to 249.....		24.9	23.1	13.4	37.8
250 to 499.....		17.9	(6)	(6)	(6)
500 to 999.....		22.6	(6)	(6)	(6)
<b>Ordinance and accessories, n.e.c.....</b>	<b>348</b>				
All sizes.....		9.3	6.5	.0	19.3
1 to 19.....		9.0	(6)	(6)	(6)
20 to 49.....		9.9	(6)	(6)	(6)
50 to 99.....		23.4	(6)	(6)	(6)
100 to 249.....		21.0	(6)	(6)	(6)
250 to 499.....		17.7	(6)	(6)	(6)
500 to 999.....		12.7	(6)	(6)	(6)
1,000 to 2,499.....		5.0	(6)	(6)	(6)
<b>Miscellaneous fabricated metal products.....</b>	<b>349</b>				
All sizes.....		19.4	7.3	.0	22.2
1 to 19.....		11.0	.0	.0	.0
20 to 49.....		19.1	14.8	2.9	27.9
50 to 99.....		20.6	17.0	8.2	28.6
100 to 249.....		23.4	21.1	11.7	33.0
250 to 499.....		19.5	16.1	8.8	26.8
500 to 999.....		17.0	16.6	10.5	21.2
1,000 to 2,499.....		17.7	(6)	(6)	(6)
<b>Machinery, except electrical.....</b>	<b>35</b>				
All sizes.....		14.4	.0	.0	19.6
1 to 19.....		10.2	.0	.0	8.6
20 to 49.....		18.1	14.0	1.6	27.9
50 to 99.....		20.2	16.9	7.5	29.3
100 to 249.....		20.6	18.2	9.5	29.7
250 to 499.....		17.6	15.4	8.0	25.3
500 to 999.....		13.5	11.9	6.6	19.5
1,000 to 2,499.....		10.6	8.9	4.9	14.8
2,500 and over.....		7.8	5.8	2.8	9.5
<b>Engines and turbines.....</b>	<b>351</b>				
All sizes.....		12.4	11.3	2.5	22.9
20 to 49.....		21.0	(6)	(6)	(6)
50 to 99.....		15.7	(6)	(6)	(6)
100 to 249.....		18.9	(6)	(6)	(6)
250 to 499.....		16.2	(6)	(6)	(6)
500 to 999.....		13.2	(6)	(6)	(6)
1,000 to 2,499.....		11.4	(6)	(6)	(6)
2,500 and over.....		11.3	(6)	(6)	(6)
<b>Farm and garden machinery.....</b>	<b>352</b>				
All sizes.....		18.2	16.0	.0	32.7
1 to 19.....		19.1	.0	.0	24.5
20 to 49.....		24.6	22.6	6.8	37.0
50 to 99.....		28.7	25.8	12.6	43.9
100 to 249.....		23.6	21.5	13.1	34.2
250 to 499.....		21.4	19.1	13.3	28.4
500 to 999.....		21.0	18.5	13.3	31.6
1,000 to 2,499.....		10.2	(6)	(6)	(6)
2,500 and over.....		11.0	(6)	(6)	(6)

See footnotes at end of table.

**Table 2. Continued—Occupational injury and illness incidence rates by industry and employment size, United States, 1978**

Industry and employment size <sup>1/</sup>	SIC code <sup>2/</sup>	Incidence rates per 100 full-time workers <sup>3/</sup>			
		Mean <sup>4/</sup>	Median <sup>4/</sup>	Middle range <sup>4/</sup>	
				First quartile	Third quartile
<b>Construction and related machinery.....</b>	<b>353</b>				
All sizes.....		18.5	16.3	2.6	30.6
1 to 19.....		13.8	.0	.0	21.8
20 to 49.....		22.4	17.7	7.1	33.5
50 to 99.....		27.0	22.9	11.3	39.3
100 to 249.....		24.8	24.0	13.1	35.3
250 to 499.....		21.9	20.2	12.3	31.1
500 to 999.....		16.9	15.8	9.1	23.9
1,000 to 2,499.....		16.4	14.4	8.7	23.3
2,500 and over.....		11.1	(6)	(6)	(6)
<b>Metalworking machinery.....</b>	<b>354</b>				
All sizes.....		14.0	.0	.0	15.4
1 to 19.....		7.8	.0	.0	.0
20 to 49.....		15.1	12.3	.0	23.4
50 to 99.....		15.7	13.6	6.0	23.0
100 to 249.....		19.2	18.3	10.7	27.7
250 to 499.....		16.2	14.5	8.4	21.8
500 to 999.....		12.9	11.5	7.5	16.2
1,000 to 2,499.....		12.5	11.4	7.2	17.9
2,500 and over.....		6.8	(6)	(6)	(6)
<b>Special industry machinery.....</b>	<b>355</b>				
All sizes.....		15.9	8.4	.0	22.9
1 to 19.....		10.3	.0	.0	13.6
20 to 49.....		18.2	13.7	5.5	28.8
50 to 99.....		19.2	16.8	7.9	26.6
100 to 249.....		18.4	16.8	8.5	26.7
250 to 499.....		17.1	15.6	10.2	22.8
500 to 999.....		13.5	11.8	7.5	17.8
1,000 to 2,499.....		10.9	(6)	(6)	(6)
<b>General industrial machinery.....</b>	<b>356</b>				
All sizes.....		15.2	5.3	.0	20.1
1 to 19.....		7.9	.0	.0	.0
20 to 49.....		19.9	16.3	5.6	28.9
50 to 99.....		20.5	17.8	8.4	30.2
100 to 249.....		22.2	19.5	9.7	32.1
250 to 499.....		17.1	15.7	8.3	24.7
500 to 999.....		12.9	12.3	7.2	19.0
1,000 to 2,499.....		10.5	9.5	5.4	14.0
2,500 and over.....		8.3	(6)	(6)	(6)
<b>Office and computing machines.....</b>	<b>357</b>				
All sizes.....		4.9	2.6	.0	8.2
1 to 19.....		5.6	.0	.0	.0
20 to 49.....		4.9	.0	.0	7.6
50 to 99.....		7.6	2.3	.0	8.8
100 to 249.....		7.3	5.9	1.9	9.9
250 to 499.....		7.4	5.7	2.7	9.7
500 to 999.....		5.8	5.4	2.6	8.6
1,000 to 2,499.....		4.6	4.1	2.2	7.7
2,500 and over.....		3.2	(6)	(6)	(6)
<b>Refrigeration and service machinery.....</b>	<b>358</b>				
All sizes.....		17.3	9.0	.0	22.8
1 to 19.....		7.4	.0	.0	.0
20 to 49.....		20.3	14.4	.0	26.9
50 to 99.....		23.3	19.3	11.3	34.1
100 to 249.....		23.6	20.3	11.7	31.5
250 to 499.....		21.7	22.3	11.8	32.5
500 to 999.....		17.0	16.4	8.6	23.3
1,000 to 2,499.....		14.1	13.7	8.3	21.6
2,500 and over.....		8.5	(6)	(6)	(6)
<b>Miscellaneous machinery, except electrical...</b>	<b>359</b>				
All sizes.....		15.9	.0	.0	18.0
1 to 19.....		11.5	.0	.0	10.9
20 to 49.....		18.1	13.9	.0	29.1
50 to 99.....		21.6	20.3	10.4	21.6
100 to 249.....		20.8	18.2	11.3	29.1
250 to 499.....		19.6	19.1	10.7	29.7
500 to 999.....		13.5	(6)	(6)	(6)
1,000 to 2,499.....		10.2	(6)	(6)	(6)
<b>Electric and electronic equipment.....</b>	<b>36</b>				
All sizes.....		8.7	3.1	.0	12.5
1 to 19.....		5.4	.0	.0	.0
20 to 49.....		9.0	2.7	.0	13.4
50 to 99.....		13.1	9.5	2.8	19.8
100 to 249.....		13.7	10.6	5.3	19.3
250 to 499.....		12.8	10.3	5.2	17.7
500 to 999.....		8.8	6.6	3.0	12.0
1,000 to 2,499.....		6.4	5.1	2.5	9.1
2,500 and over.....		5.0	4.5	2.3	8.3
<b>Electric distributing equipment.....</b>	<b>361</b>				
All sizes.....		11.4	6.5	.0	17.7
1 to 19.....		4.3	.0	.0	.0
20 to 49.....		14.2	9.6	.0	27.9
50 to 99.....		14.3	11.8	6.1	16.8
100 to 249.....		17.4	12.9	7.4	23.8
250 to 499.....		16.1	12.8	5.9	24.9
500 to 999.....		11.0	8.4	4.5	16.0
1,000 to 2,499.....		7.1	(6)	(6)	(6)
2,500 and over.....		6.7	(6)	(6)	(6)

See footnotes at end of table.

**Table 2. Continued—Occupational injury and illness incidence rates by industry and employment size, United States, 1978**

Industry and employment size <sup>1/</sup>	SIC code <sup>2/</sup>	Incidence rates per 100 full-time workers <sup>3/</sup>			
		Mean <sup>4/</sup>	Median <sup>4/</sup>	Middle range <sup>4/</sup>	
				First quartile	Third quartile
<b>Electrical industrial apparatus.....</b>	<b>362</b>				
All sizes.....		10.4	3.0	0.0	12.3
1 to 19.....		3.7	.0	.0	.0
20 to 49.....		8.2	3.0	.0	11.3
50 to 99.....		16.1	11.2	2.8	21.5
100 to 249.....		15.5	9.9	5.5	23.5
250 to 499.....		13.0	11.4	6.5	17.5
500 to 999.....		7.7	6.3	3.1	8.7
1,000 to 2,499.....		9.5	7.7	4.0	12.5
2,500 and over.....		6.1	(6)	(6)	(6)
<b>Household appliances.....</b>	<b>363</b>				
All sizes.....		12.6	9.1	.0	21.3
1 to 19.....		6.8	.0	.0	.0
20 to 49.....		24.8	(6)	(6)	(6)
50 to 99.....		15.7	13.8	6.8	24.1
100 to 249.....		17.7	14.8	6.7	27.0
250 to 499.....		16.0	13.8	8.9	22.5
500 to 999.....		16.2	12.9	5.5	22.7
1,000 to 2,499.....		10.1	8.6	6.3	13.9
2,500 and over.....		8.6	(6)	(6)	(6)
<b>Electric lighting and wiring equipment.....</b>	<b>364</b>				
All sizes.....		11.7	4.4	.0	15.2
1 to 19.....		7.8	.0	.0	.0
20 to 49.....		9.9	6.0	.0	14.6
50 to 99.....		15.6	12.5	5.4	22.5
100 to 249.....		16.4	13.3	7.3	23.4
250 to 499.....		14.8	12.0	6.7	21.4
500 to 999.....		8.4	6.3	3.0	12.0
1,000 to 2,499.....		8.3	(6)	(6)	(6)
2,500 and over.....		7.1	(6)	(6)	(6)
<b>Radio and TV receiving equipment.....</b>	<b>365</b>				
All sizes.....		8.8	.0	.0	6.4
20 to 49.....		6.8	.6	.0	10.5
50 to 99.....		6.7	1.4	.0	11.6
100 to 249.....		11.1	9.2	2.5	14.7
250 to 499.....		15.5	13.3	8.1	18.8
500 to 999.....		10.1	8.3	3.3	17.5
1,000 to 2,499.....		7.6	(6)	(6)	(6)
2,500 and over.....		4.5	(6)	(6)	(6)
<b>Communication equipment.....</b>	<b>366</b>				
All sizes.....		5.1	3.8	.0	9.6
1 to 19.....		5.8	.0	.0	9.3
20 to 49.....		7.4	.0	.0	10.8
50 to 99.....		11.0	7.5	2.8	20.4
100 to 249.....		10.2	8.6	3.5	14.3
250 to 499.....		8.6	7.5	3.4	13.3
500 to 999.....		4.9	4.0	2.0	7.7
1,000 to 2,499.....		3.9	3.5	1.8	5.9
2,500 and over.....		3.6	3.5	1.9	5.5
<b>Electronic components and accessories.....</b>	<b>367</b>				
All sizes.....		7.7	2.2	.0	11.4
1 to 19.....		5.2	.0	.0	.0
20 to 49.....		6.0	.0	.0	10.3
50 to 99.....		11.4	8.2	1.8	16.5
100 to 249.....		11.0	9.2	4.4	15.4
250 to 499.....		10.1	8.1	4.1	13.6
500 to 999.....		7.5	6.4	3.1	9.6
1,000 to 2,499.....		4.6	4.6	2.5	7.7
2,500 and over.....		5.6	(6)	(6)	(6)
<b>Miscellaneous electrical equipment and supplies.....</b>	<b>369</b>				
All sizes.....		9.4	5.0	.0	14.9
1 to 19.....		5.4	.0	.0	.0
20 to 49.....		12.6	5.6	.0	17.5
50 to 99.....		17.5	13.5	5.8	27.8
100 to 249.....		16.0	12.8	6.5	23.4
250 to 499.....		15.6	12.9	5.3	22.5
500 to 999.....		8.5	7.0	3.5	12.5
1,000 to 2,499.....		4.8	(6)	(6)	(6)
2,500 and over.....		3.1	(6)	(6)	(6)
<b>Transportation equipment.....</b>	<b>37</b>				
All sizes.....		11.5	7.4	.0	25.2
1 to 19.....		13.3	.0	.0	6.8
20 to 49.....		21.3	15.6	.0	31.5
50 to 99.....		25.4	19.4	9.3	34.0
100 to 249.....		25.9	22.6	11.9	36.9
250 to 499.....		20.5	17.8	8.8	30.3
500 to 999.....		15.4	13.6	6.7	22.4
1,000 to 2,499.....		12.1	9.1	3.6	17.4
2,500 and over.....		7.1	6.3	3.0	10.5

See footnotes at end of table.



**Table 2. Continued—Occupational injury and illness incidence rates by industry and employment size, United States, 1978**

Industry and employment size <sup>1/</sup>	SIC code <sup>2/</sup>	Incidence rates per 100 full-time workers <sup>3/</sup>			
		Mean <sup>4/</sup>	Median <sup>4/</sup>	Middle range <sup>4/</sup>	
				First quartile	Third quartile
<b>Motor vehicles and equipment.....</b>	<b>371</b>				
All sizes.....		11.3	11.2	0.0	27.4
1 to 19.....		17.0	.0	.0	21.0
20 to 49.....		21.2	14.2	.0	29.3
50 to 99.....		26.9	20.7	8.3	33.5
100 to 249.....		26.4	23.3	12.5	36.8
250 to 499.....		21.1	18.9	11.0	28.4
500 to 999.....		15.1	12.9	6.6	21.6
1,000 to 2,499.....		9.6	6.8	3.0	14.8
2,500 and over.....		7.6	6.8	3.4	10.4
<b>Aircraft and parts.....</b>	<b>372</b>				
All sizes.....		6.5	6.2	.0	20.2
1 to 19.....		10.8	.0	.0	11.4
20 to 49.....		14.6	7.0	.0	23.0
50 to 99.....		15.3	12.9	6.3	22.4
100 to 249.....		18.9	14.6	5.7	28.3
250 to 499.....		14.0	10.8	7.0	23.3
500 to 999.....		12.9	12.1	5.6	19.2
1,000 to 2,499.....		7.4	6.6	3.2	11.4
2,500 and over.....		4.1	3.7	1.9	6.3
<b>Ship and boat building and repairing.....</b>	<b>373</b>				
All sizes.....		21.3	.0	.0	25.5
1 to 19.....		11.5	.0	.0	.0
20 to 49.....		26.7	25.6	11.1	42.0
50 to 99.....		29.3	24.2	12.1	42.7
100 to 249.....		30.9	28.6	12.6	45.7
250 to 499.....		25.8	26.4	13.3	37.7
500 to 999.....		21.2	18.9	11.2	32.5
1,000 to 2,499.....		29.8	(6)	(6)	(6)
2,500 and over.....		15.5	(6)	(6)	(6)
<b>Railroad equipment.....</b>	<b>374</b>				
All sizes.....		19.7	18.7	9.4	32.5
20 to 49.....		31.2	(6)	(6)	(6)
50 to 99.....		24.1	(6)	(6)	(6)
100 to 249.....		28.9	23.1	13.9	35.6
250 to 499.....		19.9	(6)	(6)	(6)
500 to 999.....		18.2	(6)	(6)	(6)
1,000 to 2,499.....		21.5	(6)	(6)	(6)
2,500 and over.....		14.6	(6)	(6)	(6)
<b>Motorcycles, bicycles, and parts.....</b>	<b>375</b>				
All sizes.....		16.3	.0	.0	7.1
20 to 49.....		11.6	(6)	(6)	(6)
50 to 99.....		19.2	(6)	(6)	(6)
100 to 249.....		15.3	(6)	(6)	(6)
250 to 499.....		26.5	(6)	(6)	(6)
1,000 to 2,499.....		16.4	(6)	(6)	(6)
<b>Guided missiles, space vehicles, and parts...</b>	<b>376</b>				
All sizes.....		4.2	3.7	.0	11.0
20 to 49.....		12.3	(6)	(6)	(6)
50 to 99.....		9.6	(6)	(6)	(6)
100 to 249.....		6.7	(6)	(6)	(6)
250 to 499.....		5.8	(6)	(6)	(6)
500 to 999.....		7.7	(6)	(6)	(6)
1,000 to 2,499.....		5.5	(6)	(6)	(6)
2,500 and over.....		2.8	(6)	(6)	(6)
<b>Miscellaneous transportation equipment.....</b>	<b>379</b>				
All sizes.....		23.9	6.9	.0	31.2
1 to 19.....		13.2	.0	.0	9.7
20 to 49.....		25.7	19.0	6.5	41.1
50 to 99.....		33.5	26.4	14.6	37.9
100 to 249.....		29.4	26.2	17.7	39.5
250 to 499.....		29.0	27.9	11.6	36.4
500 to 999.....		20.8	(6)	(6)	(6)
1,000 to 2,499.....		17.4	(6)	(6)	(6)
<b>Instruments and related products.....</b>	<b>38</b>				
All sizes.....		6.9	.0	.0	8.1
1 to 19.....		4.4	.0	.0	.0
20 to 49.....		6.3	.0	.0	10.5
50 to 99.....		9.7	8.0	2.0	15.1
100 to 249.....		10.0	7.9	3.3	14.0
250 to 499.....		8.9	7.7	3.7	13.3
500 to 999.....		7.8	6.5	3.0	11.4
1,000 to 2,499.....		4.2	3.8	2.0	6.7
2,500 and over.....		4.9	4.6	2.5	7.5
<b>Engineering and scientific instruments.....</b>	<b>381</b>				
All sizes.....		6.2	.9	.0	9.7
20 to 49.....		5.2	.0	.0	8.4
50 to 99.....		13.1	11.9	2.9	19.1
100 to 249.....		10.0	7.2	2.4	14.4
250 to 499.....		7.5	7.2	3.9	11.2
500 to 999.....		4.7	(6)	(6)	(6)
1,000 to 2,499.....		4.1	(6)	(6)	(6)

See footnotes at end of table.

**Table 2. Continued—Occupational injury and illness incidence rates by industry and employment size, United States, 1978**

Industry and employment size <sup>1/</sup>	SIC code <sup>2/</sup>	Incidence rates per 100 full-time workers <sup>3/</sup>			
		Mean <sup>4/</sup>	Median <sup>4/</sup>	Middle range <sup>4/</sup>	
				First quartile	Third quartile
<b>Measuring and controlling devices.....</b>	<b>382</b>				
All sizes.....		7.3	0.3	0.0	9.4
1 to 19.....		4.9	.0	.0	.0
20 to 49.....		5.2	.0	.0	7.5
50 to 99.....		8.8	6.6	1.6	13.9
100 to 249.....		10.5	8.3	4.2	13.7
250 to 499.....		9.1	7.7	3.8	13.3
500 to 999.....		9.6	8.5	3.7	14.1
1,000 to 2,499.....		4.5	4.2	2.3	7.7
2,500 and over.....		5.7	(6)	(6)	(6)
<b>Optical instruments and lenses.....</b>	<b>383</b>				
All sizes.....		6.1	.0	.0	7.9
20 to 49.....		8.2	.0	.0	12.0
50 to 99.....		10.4	(6)	(6)	(6)
100 to 249.....		9.5	(6)	(6)	(6)
250 to 499.....		8.8	(6)	(6)	(6)
500 to 999.....		5.9	(6)	(6)	(6)
1,000 to 2,499.....		3.2	(6)	(6)	(6)
<b>Medical instruments and supplies.....</b>	<b>384</b>				
All sizes.....		7.7	.0	.0	6.4
1 to 19.....		3.9	.0	.0	.0
20 to 49.....		8.0	3.0	.0	12.9
50 to 99.....		10.1	8.8	2.8	14.0
100 to 249.....		10.5	7.7	3.3	16.2
250 to 499.....		9.0	7.9	4.0	14.5
500 to 999.....		7.1	5.8	2.7	10.6
1,000 to 2,499.....		4.2	(6)	(6)	(6)
<b>Ophthalmic goods.....</b>	<b>385</b>				
All sizes.....		7.7	.0	.0	.4
20 to 49.....		8.4	8.6	.0	16.8
50 to 99.....		6.3	(6)	(6)	(6)
100 to 249.....		8.4	8.4	3.4	12.9
250 to 499.....		8.0	(6)	(6)	(6)
500 to 999.....		13.2	(6)	(6)	(6)
<b>Photographic equipment and supplies.....</b>	<b>386</b>				
All sizes.....		5.7	3.6	.0	13.3
1 to 19.....		14.4	(6)	(6)	(6)
20 to 49.....		5.0	(6)	(6)	(6)
50 to 99.....		8.1	5.4	2.8	14.7
100 to 249.....		9.8	7.5	2.3	18.3
250 to 499.....		10.3	9.1	3.5	14.4
500 to 999.....		4.8	(6)	(6)	(6)
1,000 to 2,499.....		3.4	(6)	(6)	(6)
2,500 and over.....		4.6	(6)	(6)	(6)
<b>Watches, clocks, and watchcases.....</b>	<b>387</b>				
All sizes.....		6.7	.0	.0	7.5
50 to 99.....		11.7	(6)	(6)	(6)
100 to 249.....		8.6	(6)	(6)	(6)
250 to 499.....		9.6	(6)	(6)	(6)
500 to 999.....		6.4	(6)	(6)	(6)
1,000 to 2,499.....		3.8	(6)	(6)	(6)
<b>Miscellaneous manufacturing industries.....</b>	<b>39</b>				
All sizes.....		11.8	.0	.0	7.5
1 to 19.....		5.3	.0	.0	.0
20 to 49.....		9.8	.8	.0	13.6
50 to 99.....		12.7	9.5	2.2	19.0
100 to 249.....		15.4	12.3	5.1	20.8
250 to 499.....		13.9	10.9	6.5	19.3
500 to 999.....		12.1	10.8	5.6	19.3
1,000 to 2,499.....		9.5	7.2	3.9	12.5
2,500 and over.....		11.0	(6)	(6)	(6)
<b>Jewelry, silverware, and plated ware.....</b>	<b>391</b>				
All sizes.....		6.2	.0	.0	.0
1 to 19.....		1.1	.0	.0	.0
20 to 49.....		2.5	.0	.0	.4
50 to 99.....		6.5	3.2	.0	11.3
100 to 249.....		8.2	6.8	2.0	12.1
250 to 499.....		9.0	(6)	(6)	(6)
500 to 999.....		10.7	(6)	(6)	(6)
1,000 to 2,499.....		8.0	(6)	(6)	(6)
<b>Musical instruments.....</b>	<b>393</b>				
All sizes.....		13.8	.0	.0	5.9
20 to 49.....		4.7	(6)	(6)	(6)
50 to 99.....		15.1	(6)	(6)	(6)
100 to 249.....		23.0	12.5	6.6	21.6
250 to 499.....		12.4	(6)	(6)	(6)
500 to 999.....		12.2	(6)	(6)	(6)

See footnotes at end of table.

**Table 2. Continued—Occupational injury and illness incidence rates by industry and employment size, United States, 1978**

Industry and employment size <sup>1/</sup>	SIC code <sup>2/</sup>	Incidence rates per 100 full-time workers <sup>3/</sup>			
		Mean <sup>4/</sup>	Median <sup>4/</sup>	Middle range <sup>4/</sup>	
				First quartile	Third quartile
<b>Toys and sporting goods.....</b>	<b>394</b>				
All sizes.....		13.9	0.0	0.0	15.2
1 to 19.....		6.8	.0	.0	.0
20 to 49.....		13.5	8.2	.0	20.9
50 to 99.....		15.1	12.7	3.5	23.8
100 to 249.....		14.9	12.8	5.4	20.7
250 to 499.....		16.0	12.5	7.3	21.8
500 to 999.....		12.1	(6)	(6)	(6)
1,000 to 2,499.....		12.4	(6)	(6)	(6)
<b>Pens, pencils, office and art supplies.....</b>	<b>395</b>				
All sizes.....		12.0	.0	.0	7.4
1 to 19.....		1.4	.0	.0	.0
20 to 49.....		15.8	9.2	.0	24.1
50 to 99.....		12.6	9.3	3.9	17.5
100 to 249.....		15.4	13.4	8.3	21.2
250 to 499.....		17.5	(6)	(6)	(6)
500 to 999.....		14.3	(6)	(6)	(6)
1,000 to 2,499.....		4.6	(6)	(6)	(6)
<b>Costume jewelry and notions.....</b>	<b>396</b>				
All sizes.....		8.1	.0	.0	.0
1 to 19.....		3.4	.0	.0	.0
20 to 49.....		4.4	.0	.0	.3
50 to 99.....		8.5	6.0	.0	12.2
100 to 249.....		10.7	6.6	2.1	13.5
250 to 499.....		12.6	11.2	7.2	17.0
500 to 999.....		8.7	(6)	(6)	(6)
1,000 to 2,499.....		9.4	(6)	(6)	(6)
<b>Miscellaneous manufactures.....</b>	<b>399</b>				
All sizes.....		13.7	.0	.0	12.6
1 to 19.....		8.0	.0	.0	.0
20 to 49.....		11.8	6.4	.0	18.4
50 to 99.....		14.8	12.0	5.1	20.9
100 to 249.....		18.5	17.0	9.5	25.9
250 to 499.....		13.6	9.2	6.2	19.6
500 to 999.....		13.8	(6)	(6)	(6)
1,000 to 2,499.....		10.5	(6)	(6)	(6)
<b>Nondurable goods:</b>					
All sizes.....		11.8	.0	.0	11.1
1 to 19.....		5.1	.0	.0	.0
20 to 49.....		10.4	2.3	.0	14.8
50 to 99.....		13.9	9.3	1.5	20.1
100 to 249.....		15.4	11.6	5.1	21.6
250 to 499.....		13.4	10.3	5.4	18.4
500 to 999.....		11.1	8.5	4.2	14.7
1,000 to 2,499.....		8.8	6.6	3.1	11.9
2,500 and over.....		6.2	5.1	2.6	9.0
<b>Food and kindred products.....</b>	<b>20</b>				
All sizes.....		19.4	7.0	.0	21.6
1 to 19.....		9.5	.0	.0	5.8
20 to 49.....		16.0	11.0	.0	23.2
50 to 99.....		20.4	16.9	8.8	28.6
100 to 249.....		23.2	20.3	11.5	31.4
250 to 499.....		21.7	18.3	11.4	29.4
500 to 999.....		18.2	15.2	9.0	23.5
1,000 to 2,499.....		16.1	12.5	6.1	24.1
2,500 and over.....		12.7	(6)	(6)	(6)
<b>Meat products.....</b>	<b>201</b>				
All sizes.....		28.4	8.6	.0	28.2
1 to 19.....		10.0	.0	.0	.0
20 to 49.....		22.2	16.4	1.6	32.6
50 to 99.....		31.0	26.1	13.4	41.4
100 to 249.....		34.5	29.7	16.8	44.6
250 to 499.....		29.4	24.5	15.1	38.4
500 to 999.....		28.5	23.8	15.5	37.0
1,000 to 2,499.....		27.1	26.6	17.9	32.9
2,500 and over.....		17.0	(6)	(6)	(6)
<b>Dairy products.....</b>	<b>202</b>				
All sizes.....		15.8	6.8	.0	18.7
1 to 19.....		8.5	.0	.0	9.8
20 to 49.....		13.2	9.9	.9	19.5
50 to 99.....		16.5	14.3	7.9	22.1
100 to 249.....		18.2	17.2	9.8	24.2
250 to 499.....		18.7	16.1	9.1	27.5
500 to 999.....		12.9	(6)	(6)	(6)
1,000 to 2,499.....		1.9	(6)	(6)	(6)
<b>Preserved fruits and vegetables.....</b>	<b>203</b>				
All sizes.....		17.1	8.8	.0	22.3
1 to 19.....		13.4	.0	.0	.0
20 to 49.....		13.9	9.3	.0	18.1
50 to 99.....		21.7	19.5	9.2	31.5
100 to 249.....		21.5	18.6	10.7	28.8
250 to 499.....		20.3	18.7	12.1	29.6
500 to 999.....		13.3	12.6	7.5	20.8
1,000 to 2,499.....		12.0	(6)	(6)	(6)

See footnotes at end of table.

**Table 2. Continued—Occupational injury and illness incidence rates by industry and employment size, United States, 1978**

Industry and employment size <sup>1/</sup>	SIC code <sup>2/</sup>	Incidence rates per 100 full-time workers <sup>3/</sup>			
		Mean <sup>4/</sup>	Median <sup>4/</sup>	Middle range <sup>4/</sup>	
				First quartile	Third quartile
<b>Grain mill products.....</b>	<b>204</b>				
All sizes.....		15.0	6.4	0.0	20.0
1 to 19.....		10.2	.0	.0	11.4
20 to 49.....		17.4	14.0	5.1	25.7
50 to 99.....		19.0	18.1	9.8	29.2
100 to 249.....		19.7	17.6	11.3	27.9
250 to 499.....		16.0	16.2	7.7	23.5
500 to 999.....		12.7	9.9	6.1	18.3
1,000 to 2,499.....		5.0	(6)	(6)	(6)
<b>Bakery products.....</b>	<b>205</b>				
All sizes.....		13.8	1.7	.0	13.0
1 to 19.....		3.3	.0	.0	.0
20 to 49.....		6.0	.0	.0	9.3
50 to 99.....		13.4	11.7	6.6	17.3
100 to 249.....		17.1	15.3	9.9	23.2
250 to 499.....		14.7	14.2	9.1	17.9
500 to 999.....		14.8	15.8	12.0	16.6
1,000 to 2,499.....		8.9	(6)	(6)	(6)
<b>Sugar and confectionery products.....</b>	<b>206</b>				
All sizes.....		14.8	.0	.0	12.7
20 to 49.....		9.9	3.5	.0	15.4
50 to 99.....		15.7	12.4	4.6	21.5
100 to 249.....		22.2	16.8	10.9	28.6
250 to 499.....		17.1	14.2	9.0	23.5
500 to 999.....		11.9	9.4	5.9	17.0
1,000 to 2,499.....		11.6	(6)	(6)	(6)
<b>Fats and oils.....</b>	<b>207</b>				
All sizes.....		20.2	14.5	.0	28.2
1 to 19.....		14.1	.0	.0	19.3
20 to 49.....		24.2	18.4	8.9	33.9
50 to 99.....		23.7	21.3	10.9	32.5
100 to 249.....		21.2	20.3	12.5	27.1
250 to 499.....		16.3	(6)	(6)	(6)
500 to 999.....		11.6	(6)	(6)	(6)
<b>Beverages.....</b>	<b>208</b>				
All sizes.....		23.0	14.6	.0	28.6
1 to 19.....		12.6	.0	.0	12.8
20 to 49.....		20.5	18.1	6.7	30.9
50 to 99.....		22.4	21.0	12.0	30.7
100 to 249.....		28.5	26.3	15.9	36.6
250 to 499.....		28.1	27.0	16.4	37.8
500 to 999.....		19.2	17.5	10.6	26.6
1,000 to 2,499.....		17.6	(6)	(6)	(6)
<b>Miscellaneous foods and kindred products.....</b>	<b>209</b>				
All sizes.....		16.3	1.2	.0	21.4
1 to 19.....		10.7	.0	.0	11.5
20 to 49.....		12.2	6.5	.0	20.3
50 to 99.....		19.3	14.5	6.7	27.5
100 to 249.....		19.0	17.7	8.7	26.7
250 to 499.....		19.3	17.7	11.3	27.7
500 to 999.....		14.0	(6)	(6)	(6)
1,000 to 2,499.....		14.8	(6)	(6)	(6)
<b>Tobacco manufactures.....</b>	<b>21</b>				
All sizes.....		8.7	.9	.0	11.4
1 to 19.....		3.7	.0	.0	.0
20 to 49.....		11.8	(6)	(6)	(6)
50 to 99.....		10.4	(6)	(6)	(6)
100 to 249.....		11.6	8.9	3.2	19.8
250 to 499.....		11.5	11.3	6.0	14.5
500 to 999.....		7.6	(6)	(6)	(6)
1,000 to 2,499.....		4.8	(6)	(6)	(6)
2,500 and over.....		8.3	(6)	(6)	(6)
<b>Cigarettes.....</b>	<b>211</b>				
All sizes.....		7.7	(6)	(6)	(6)
500 to 999.....		7.8	(6)	(6)	(6)
1,000 to 2,499.....		4.8	(6)	(6)	(6)
2,500 and over.....		8.3	(6)	(6)	(6)
<b>Cigars.....</b>	<b>212</b>				
All sizes.....		6.9	.0	.0	3.8
20 to 49.....		12.4	(6)	(6)	(6)
50 to 99.....		3.6	(6)	(6)	(6)
100 to 249.....		6.2	(6)	(6)	(6)
250 to 499.....		9.2	(6)	(6)	(6)
500 to 999.....		4.4	(6)	(6)	(6)
<b>Chewing and smoking tobacco.....</b>	<b>213</b>				
All sizes.....		11.8	6.6	.0	14.4
50 to 99.....		9.8	(6)	(6)	(6)
100 to 249.....		9.0	(6)	(6)	(6)
250 to 499.....		14.3	(6)	(6)	(6)

See footnotes at end of table.

**Table 2. Continued—Occupational injury and illness incidence rates by industry and employment size, United States, 1978**

Industry and employment size <u>1/</u>	SIC code <u>2/</u>	Incidence rates per 100 full-time workers <u>3/</u>			
		Mean <u>4/</u>	Median <u>5/</u>	Middle range <u>6/</u>	
				First quartile	Third quartile
Tobacco stemming and redrying.....	214				
All sizes.....		13.6	5.6	0.0	17.5
20 to 49.....		9.2	(6)	(6)	(6)
50 to 99.....		17.7	(6)	(6)	(6)
100 to 249.....		15.8	(6)	(6)	(6)
250 to 499.....		13.5	(6)	(6)	(6)
Textile mill products.....	22				
All sizes.....		10.2	5.6	.0	14.3
1 to 19.....		4.6	.0	.0	.0
20 to 49.....		11.4	5.1	.0	16.8
50 to 99.....		13.1	10.0	2.4	19.5
100 to 249.....		13.8	10.6	5.2	19.3
250 to 499.....		10.7	9.1	4.7	14.6
500 to 999.....		8.9	7.4	3.8	11.9
1,000 to 2,499.....		7.2	6.5	3.3	9.6
2,500 and over.....		8.0	(6)	(6)	(6)
Weaving mills, cotton.....	221				
All sizes.....		7.7	6.0	1.1	10.3
50 to 99.....		14.9	(6)	(6)	(6)
100 to 249.....		10.5	(6)	(6)	(6)
250 to 499.....		7.3	6.4	3.1	9.9
500 to 999.....		8.8	7.5	4.6	10.5
1,000 to 2,499.....		6.4	6.5	3.2	8.9
2,500 and over.....		7.0	(6)	(6)	(6)
Weaving mills, synthetics.....	222				
All sizes.....		7.7	5.5	.0	11.7
20 to 49.....		8.0	(6)	(6)	(6)
50 to 99.....		12.8	(6)	(6)	(6)
100 to 249.....		10.2	9.6	3.3	14.5
250 to 499.....		8.6	8.6	4.4	13.0
500 to 999.....		6.6	6.0	3.0	8.9
1,000 to 2,499.....		6.1	(6)	(6)	(6)
2,500 and over.....		8.7	(6)	(6)	(6)
Weaving and finishing mills, wool.....	223				
All sizes.....		14.9	10.6	2.3	15.5
20 to 49.....		9.9	(6)	(6)	(6)
50 to 99.....		17.8	(6)	(6)	(6)
100 to 249.....		16.5	13.3	9.3	22.0
250 to 499.....		18.0	(6)	(6)	(6)
500 to 999.....		12.2	(6)	(6)	(6)
Narrow fabric mills.....	224				
All sizes.....		10.9	6.0	.0	15.5
1 to 19.....		7.9	.0	.0	23.7
20 to 49.....		5.3	2.2	.0	7.9
50 to 99.....		11.4	9.5	3.1	17.5
100 to 249.....		11.1	6.9	5.9	15.4
250 to 499.....		14.3	(6)	(6)	(6)
500 to 999.....		10.4	(6)	(6)	(6)
Knitting mills.....	225				
All sizes.....		8.5	.9	.0	9.2
1 to 19.....		1.9	.0	.0	.0
20 to 49.....		5.2	.0	.0	8.4
50 to 99.....		9.2	4.2	.0	13.5
100 to 249.....		9.0	6.8	2.4	12.4
250 to 499.....		9.7	7.7	3.9	12.6
500 to 999.....		8.1	6.2	2.9	11.3
1,000 to 2,499.....		8.8	(6)	(6)	(6)
Textile finishing, except wool.....	226				
All sizes.....		13.0	7.0	.0	18.0
20 to 49.....		15.6	7.2	.0	22.9
50 to 99.....		16.0	12.7	7.0	22.0
100 to 249.....		20.3	18.7	11.1	29.1
250 to 499.....		12.0	11.4	6.3	17.5
500 to 999.....		10.9	8.8	5.5	20.8
1,000 to 2,499.....		6.9	(6)	(6)	(6)
Floor covering mills.....	227				
All sizes.....		13.9	10.7	.0	23.4
1 to 19.....		8.9	(6)	(6)	(6)
20 to 49.....		19.7	(6)	(6)	(6)
50 to 99.....		14.5	11.5	7.9	21.8
100 to 249.....		20.1	19.4	8.5	29.2
250 to 499.....		11.7	9.9	6.5	17.9
500 to 999.....		11.5	(6)	(6)	(6)
1,000 to 2,499.....		9.9	(6)	(6)	(6)
Yarn and thread mills.....	228				
All sizes.....		11.7	9.6	2.4	18.4
1 to 19.....		4.9	.0	.0	.0
20 to 49.....		16.0	13.8	2.3	23.2
50 to 99.....		13.7	11.9	5.6	21.6
100 to 249.....		15.1	12.1	6.2	21.5
250 to 499.....		11.2	10.4	5.5	15.6
500 to 999.....		10.0	8.9	4.2	14.0
1,000 to 2,499.....		7.0	(6)	(6)	(6)

See footnotes at end of table.

**Table 2. Continued—Occupational injury and illness incidence rates by industry and employment size, United States, 1978**

Industry and employment size <u>1/</u>	SIC code <u>2/</u>	Incidence rates per 100 full-time workers <u>3/</u>			
		Mean <u>4/</u>	Median <u>4/</u>	Middle range <u>4/</u>	
				First quartile	Third quartile
Miscellaneous textile goods.....	229				
All sizes.....		15.0	8.1	0.0	20.8
1 to 19.....		8.3	.0	.0	.0
20 to 49.....		17.2	12.8	3.7	28.3
50 to 99.....		19.1	15.5	6.2	27.7
100 to 249.....		18.7	14.4	8.4	25.6
250 to 499.....		14.4	13.7	6.3	21.6
500 to 999.....		10.1	(6)	(6)	(6)
1,000 to 2,499.....		5.9	(6)	(6)	(6)
Apparel and other textile goods.....	23				
All sizes.....		6.5	.0	.0	4.3
1 to 19.....		1.9	.0	.0	.0
20 to 49.....		2.6	.0	.0	.0
50 to 99.....		5.4	1.2	.0	7.7
100 to 249.....		7.5	5.9	1.5	10.7
250 to 499.....		8.6	7.2	3.5	11.8
500 to 999.....		8.5	7.2	3.3	12.3
1,000 to 2,499.....		6.2	4.8	2.6	8.6
2,500 and over.....		4.0	(6)	(6)	(6)
Men's and boys' suits and coats.....	231				
All sizes.....		6.3	1.1	.0	6.6
100 to 249.....		6.4	3.9	.8	10.7
250 to 499.....		7.1	6.0	2.7	10.6
500 to 999.....		7.5	(6)	(6)	(6)
1,000 to 2,499.....		5.4	(6)	(6)	(6)
Men's and boys' furnishings.....	232				
All sizes.....		7.7	3.0	.0	8.9
20 to 49.....		3.0	.0	.0	2.7
50 to 99.....		6.8	4.1	.0	9.7
100 to 249.....		7.8	6.6	2.7	11.1
250 to 499.....		8.6	7.6	3.8	12.3
500 to 999.....		8.2	6.5	2.9	11.6
1,000 to 2,499.....		6.8	(6)	(6)	(6)
Women's and misses' outerwear.....	233				
All sizes.....		4.8	.0	.0	1.4
1 to 19.....		1.3	.0	.0	.0
20 to 49.....		1.3	.0	.0	.0
50 to 99.....		3.7	.0	.0	5.6
100 to 249.....		6.2	4.3	.3	9.0
250 to 499.....		7.7	6.9	3.6	9.8
500 to 999.....		10.3	9.9	4.8	13.9
1,000 to 2,499.....		16.3	(6)	(6)	(6)
Women's and children's undergarments.....	234				
All sizes.....		6.2	.0	.0	6.0
20 to 49.....		2.3	.0	.0	.0
50 to 99.....		3.1	.2	.0	3.9
100 to 249.....		7.1	6.0	1.2	8.9
250 to 499.....		7.2	6.0	2.8	9.7
500 to 999.....		5.9	(6)	(6)	(6)
Hats, caps, and millinery.....	235				
All sizes.....		7.5	.0	.0	.0
20 to 49.....		2.1	.0	.0	1.9
50 to 99.....		5.1	2.7	.0	10.7
100 to 249.....		10.3	(6)	(6)	(6)
250 to 499.....		11.9	(6)	(6)	(6)
500 to 999.....		9.8	(6)	(6)	(6)
Children's outerwear.....	236				
All sizes.....		5.3	.0	.0	5.1
20 to 49.....		2.7	.0	.0	.0
50 to 99.....		5.1	2.3	.0	8.4
100 to 249.....		5.5	3.8	.0	8.5
250 to 499.....		5.9	4.8	2.2	8.7
500 to 999.....		8.1	(6)	(6)	(6)
Miscellaneous apparel and accessories.....	238				
All sizes.....		6.4	.0	.0	4.1
1 to 19.....		.7	.0	.0	.0
20 to 49.....		2.7	.0	.0	.7
50 to 99.....		6.4	3.6	.0	8.8
100 to 249.....		7.1	5.2	.9	10.6
250 to 499.....		8.5	7.0	3.3	13.3
500 to 999.....		8.5	(6)	(6)	(6)
Miscellaneous fabricated textile products....	239				
All sizes.....		8.9	.0	.0	3.8
1 to 19.....		2.9	.0	.0	.0
20 to 49.....		6.5	.0	.0	9.3
50 to 99.....		11.4	7.5	.0	17.2
100 to 249.....		12.0	9.6	5.1	16.8
250 to 499.....		13.0	10.3	6.1	17.0
500 to 999.....		9.6	(6)	(6)	(6)
1,000 to 2,499.....		2.7	(6)	(6)	(6)

See footnotes at end of table.

**Table 2. Continued—Occupational injury and illness incidence rates by industry and employment size, United States, 1978**

Industry and employment size <sup>1/</sup>	SIC code <sup>2/</sup>	Incidence rates per 100 full-time workers <sup>3/</sup>			
		Mean <sup>4/</sup>	Median <sup>4/</sup>	Middle range <sup>4/</sup>	
				First quartile	Third quartile
Paper and allied products.....	26				
All sizes.....		13.5	11.0	0.0	21.3
1 to 19.....		11.2	.0	.0	9.8
20 to 49.....		16.5	13.6	4.3	27.4
50 to 99.....		19.1	16.2	7.8	24.8
100 to 249.....		17.8	16.0	9.3	24.1
250 to 499.....		14.3	12.9	7.3	20.5
500 to 999.....		10.8	9.4	5.8	14.1
1,000 to 2,499.....		7.6	7.5	4.2	11.1
2,500 and over.....		3.9	(6)	(6)	(6)
Pulp mills.....	261				
All sizes.....		11.1	7.8	.0	21.6
1 to 19.....		10.9	(6)	(6)	(6)
20 to 49.....		11.9	(6)	(6)	(6)
50 to 99.....		10.3	(6)	(6)	(6)
100 to 249.....		16.0	(6)	(6)	(6)
250 to 499.....		6.1	(6)	(6)	(6)
Paper mills, except building paper.....	262				
All sizes.....		10.3	8.8	1.1	16.4
20 to 49.....		14.3	(6)	(6)	(6)
50 to 99.....		21.5	(6)	(6)	(6)
100 to 249.....		17.1	10.9	9.4	24.6
250 to 499.....		14.2	12.0	7.1	15.9
500 to 999.....		10.5	8.5	5.5	14.1
1,000 to 2,499.....		7.8	7.8	4.1	11.6
2,500 and over.....		5.3	(6)	(6)	(6)
Paperboard mills.....	263				
All sizes.....		12.3	13.3	7.1	22.0
20 to 49.....		11.3	(6)	(6)	(6)
50 to 99.....		26.2	(6)	(6)	(6)
100 to 249.....		18.6	18.7	12.3	23.7
250 to 499.....		12.4	10.5	6.5	17.5
500 to 999.....		8.7	(6)	(6)	(6)
1,000 to 2,499.....		8.6	(6)	(6)	(6)
Miscellaneous converted paper products.....	264				
All sizes.....		14.0	8.7	.0	19.5
1 to 19.....		6.3	.0	.0	.0
20 to 49.....		16.1	13.3	.9	23.1
50 to 99.....		18.6	16.0	7.3	24.5
100 to 249.....		18.4	16.8	10.1	25.2
250 to 499.....		15.9	15.8	9.2	22.8
500 to 999.....		12.3	11.5	7.5	14.9
1,000 to 2,499.....		6.3	(6)	(6)	(6)
Paperboard containers and boxes.....	265				
All sizes.....		16.4	12.6	4.0	23.2
1 to 19.....		17.9	.0	.0	13.7
20 to 49.....		16.8	14.2	5.6	25.3
50 to 99.....		18.3	15.9	7.7	24.8
100 to 249.....		17.8	15.6	9.0	24.1
250 to 499.....		14.5	12.2	7.3	18.4
500 to 999.....		8.4	(6)	(6)	(6)
1,000 to 2,499.....		9.6	(6)	(6)	(6)
Building paper and board mills.....	266				
All sizes.....		13.3	11.4	2.5	21.0
20 to 49.....		22.6	(6)	(6)	(6)
50 to 99.....		26.2	(6)	(6)	(6)
100 to 249.....		12.9	(6)	(6)	(6)
250 to 499.....		10.0	(6)	(6)	(6)
500 to 999.....		10.0	(6)	(6)	(6)
Printing and publishing.....	27				
All sizes.....		7.0	.0	.0	.0
1 to 19.....		1.8	.0	.0	.0
20 to 49.....		4.5	.0	.0	6.8
50 to 99.....		7.7	4.9	.0	11.8
100 to 249.....		9.4	7.1	2.3	13.3
250 to 499.....		9.1	6.7	3.0	12.7
500 to 999.....		9.0	7.5	4.3	11.6
1,000 to 2,499.....		8.2	7.6	4.1	11.6
2,500 and over.....		7.4	(6)	(6)	(6)
Newspapers.....	271				
All sizes.....		5.8	.0	.0	.0
20 to 49.....		1.7	.0	.0	.0
50 to 99.....		4.2	2.6	.0	7.7
100 to 249.....		5.4	4.3	1.2	8.2
250 to 499.....		5.8	5.2	2.4	8.4
500 to 999.....		8.5	7.4	5.4	9.5
1,000 to 2,499.....		9.0	8.0	5.7	11.4
2,500 and over.....		9.3	(6)	(6)	(6)

See footnotes at end of table.

**Table 2. Continued—Occupational injury and illness incidence rates by industry and employment size, United States, 1978**

Industry and employment size <sup>1/</sup>	SIC code <sup>2/</sup>	Incidence rates per 100 full-time workers <sup>3/</sup>			
		Mean <sup>4/</sup>	Median <sup>4/</sup>	Middle range <sup>4/</sup>	
				First quartile	Third quartile
Periodicals.....	272				
All sizes.....		2.9	0.0	0.0	0.0
20 to 49.....		.9	.0	.0	.0
50 to 99.....		2.4	.0	.0	1.5
100 to 249.....		3.1	1.0	.0	3.5
250 to 499.....		4.4	2.8	1.1	4.5
500 to 999.....		4.6	(6)	(6)	(6)
1,000 to 2,499.....		1.9	(6)	(6)	(6)
Books.....	273				
All sizes.....		7.2	.0	.0	.0
20 to 49.....		3.3	.0	.0	2.5
50 to 99.....		4.4	.3	.0	5.5
100 to 249.....		7.8	4.9	1.3	11.9
250 to 499.....		8.4	5.3	2.2	9.6
500 to 999.....		10.7	5.8	2.7	17.5
1,000 to 2,499.....		6.8	(6)	(6)	(6)
2,500 and over.....		5.5	(6)	(6)	(6)
Miscellaneous publishing.....	274				
All sizes.....		2.7	.0	.0	.0
20 to 49.....		1.7	.0	.0	.0
50 to 99.....		2.3	.0	.0	2.8
100 to 249.....		4.1	3.2	.0	7.1
250 to 499.....		3.0	(6)	(6)	(6)
500 to 999.....		5.4	(6)	(6)	(6)
Commercial printing.....	275				
All sizes.....		8.7	.0	.0	.0
1 to 19.....		2.5	.0	.0	.0
20 to 49.....		6.0	1.5	.0	9.4
50 to 99.....		10.2	8.6	3.2	14.5
100 to 249.....		13.6	11.9	6.6	18.3
250 to 499.....		15.3	15.4	7.8	20.4
500 to 999.....		11.4	11.6	8.3	14.5
1,000 to 2,499.....		11.8	(6)	(6)	(6)
Manifold business forms.....	276				
All sizes.....		11.7	6.0	.0	16.3
20 to 49.....		12.7	9.2	.0	18.5
50 to 99.....		16.0	10.8	7.5	23.0
100 to 249.....		11.9	10.6	5.8	17.5
250 to 499.....		11.2	9.5	6.9	12.8
500 to 999.....		9.6	(6)	(6)	(6)
Greeting card publishing.....	277				
All sizes.....		6.4	2.7	.0	8.9
50 to 99.....		14.1	(6)	(6)	(6)
100 to 249.....		12.4	(6)	(6)	(6)
250 to 499.....		13.0	(6)	(6)	(6)
500 to 999.....		10.6	(6)	(6)	(6)
1,000 to 2,499.....		4.5	(6)	(6)	(6)
Blankbooks and bookbinding.....	278				
All sizes.....		11.0	.0	.0	11.0
1 to 19.....		3.8	.0	.0	.0
20 to 49.....		8.9	4.7	.0	13.8
50 to 99.....		12.7	10.9	5.2	20.3
100 to 249.....		13.2	11.2	5.8	17.5
250 to 499.....		10.5	10.7	4.3	16.2
500 to 999.....		8.0	(6)	(6)	(6)
Printing trade services.....	279				
All sizes.....		2.5	.0	.0	.0
1 to 19.....		.9	.0	.0	.0
20 to 49.....		2.0	.0	.0	1.3
50 to 99.....		3.4	1.5	.0	3.9
100 to 249.....		5.4	3.5	1.2	7.5
250 to 499.....		2.5	(6)	(6)	(6)
Chemicals and allied products.....	28				
All sizes.....		7.8	1.4	.0	14.0
1 to 19.....		7.9	.0	.0	.0
20 to 49.....		14.4	9.8	.0	22.1
50 to 99.....		16.4	12.5	4.7	22.7
100 to 249.....		12.7	8.9	3.7	18.8
250 to 499.....		8.7	7.1	3.2	13.2
500 to 999.....		6.6	4.5	2.3	9.0
1,000 to 2,499.....		4.2	3.8	2.0	6.0
2,500 and over.....		2.9	3.1	1.6	4.6
Industrial inorganic chemicals.....	281				
All sizes.....		6.2	3.3	.0	14.1
1 to 19.....		8.9	.0	.0	7.8
20 to 49.....		12.0	9.3	.0	20.8
50 to 99.....		11.6	7.5	.4	16.7
100 to 249.....		9.8	6.3	2.6	13.2
250 to 499.....		7.1	4.6	2.3	10.6
500 to 999.....		5.2	3.8	1.9	7.0
1,000 to 2,499.....		3.9	(6)	(6)	(6)
2,500 and over.....		1.7	(6)	(6)	(6)

See footnotes at end of table.



**Table 2. Continued—Occupational injury and illness incidence rates by industry and employment size, United States, 1978**

Industry and employment size <sup>1/</sup>	SIC code <sup>2/</sup>	Incidence rates per 100 full-time workers <sup>3/</sup>			
		Mean <sup>4/</sup>	Median <sup>4/</sup>	Middle range <sup>4/</sup>	
				First quartile	Third quartile
Plastics materials and synthetics.....	282				
All sizes.....		5.7	6.5	0.9	19.8
1 to 19.....		5.8	.0	.0	.0
20 to 49.....		23.3	20.4	10.4	33.9
50 to 99.....		22.0	11.8	2.9	28.8
100 to 249.....		16.7	11.8	4.4	27.5
250 to 499.....		8.2	7.2	3.5	12.5
500 to 999.....		4.8	3.7	1.9	6.9
1,000 to 2,499.....		3.4	3.4	1.8	5.8
2,500 and over.....		1.7	(6)	(6)	(6)
Drugs.....	283				
All sizes.....		6.7	.0	.0	7.7
1 to 19.....		7.2	.0	.0	.0
20 to 49.....		6.2	.0	.0	7.0
50 to 99.....		12.8	11.1	6.3	14.7
100 to 249.....		10.6	7.2	2.8	13.7
250 to 499.....		10.4	8.6	5.3	14.4
500 to 999.....		8.1	5.4	2.6	12.5
1,000 to 2,499.....		4.8	4.3	2.2	7.5
2,500 and over.....		4.8	(6)	(6)	(6)
Soap, cleaners, and toilet goods.....	284				
All sizes.....		9.8	.0	.0	11.2
1 to 19.....		6.8	.0	.0	.0
20 to 49.....		13.5	8.0	.0	18.7
50 to 99.....		18.4	11.9	5.6	26.9
100 to 249.....		14.3	11.0	5.2	19.6
250 to 499.....		9.2	7.6	3.5	14.1
500 to 999.....		9.2	7.7	4.6	12.2
1,000 to 2,499.....		6.4	(6)	(6)	(6)
2,500 and over.....		3.7	(6)	(6)	(6)
Paints and allied products.....	285				
All sizes.....		14.3	1.0	.0	16.7
1 to 19.....		6.7	.0	.0	.0
20 to 49.....		14.0	11.3	1.3	23.5
50 to 99.....		18.9	16.1	8.4	26.5
100 to 249.....		16.1	13.0	4.5	21.9
250 to 499.....		10.9	11.0	3.9	16.0
500 to 999.....		15.5	(6)	(6)	(6)
Industrial organic chemicals.....	286				
All sizes.....		6.2	3.0	.0	11.7
20 to 49.....		19.0	9.6	2.1	27.9
50 to 99.....		18.0	11.8	5.3	26.2
100 to 249.....		10.6	7.7	3.8	12.7
250 to 499.....		8.4	6.3	3.0	9.9
500 to 999.....		5.2	4.0	1.9	9.1
1,000 to 2,499.....		3.6	(6)	(6)	(6)
2,500 and over.....		2.6	(6)	(6)	(6)
Agricultural chemicals.....	287				
All sizes.....		9.1	4.7	.0	16.4
1 to 19.....		10.5	.0	.0	14.4
20 to 49.....		15.4	12.1	.0	24.5
50 to 99.....		14.3	11.8	6.0	18.7
100 to 249.....		9.6	7.5	3.9	13.4
250 to 499.....		8.0	5.5	2.8	8.7
500 to 999.....		3.8	(6)	(6)	(6)
1,000 to 2,499.....		4.6	(6)	(6)	(6)
Miscellaneous chemical products.....	289				
All sizes.....		11.6	.5	.0	16.0
1 to 19.....		8.7	.0	.0	9.7
20 to 49.....		14.7	11.1	2.6	23.9
50 to 99.....		14.5	12.7	3.7	20.4
100 to 249.....		14.7	12.1	2.8	23.1
250 to 499.....		9.3	7.2	3.3	17.0
500 to 999.....		7.3	(6)	(6)	(6)
Petroleum and coal products.....	29				
All sizes.....		7.9	.7	.0	13.4
1 to 19.....		7.0	.0	.0	.0
20 to 49.....		15.3	8.0	.0	18.4
50 to 99.....		14.6	11.9	3.2	22.0
100 to 249.....		15.4	13.2	6.4	22.6
250 to 499.....		8.5	6.9	3.4	11.8
500 to 999.....		5.8	4.3	2.2	8.3
1,000 to 2,499.....		3.5	3.0	1.4	4.5
2,500 and over.....		5.8	(6)	(6)	(6)
Petroleum refining.....	291				
All sizes.....		6.0	5.2	.0	13.5
1 to 19.....		8.7	.0	.0	14.1
20 to 49.....		8.2	6.5	.0	13.3
50 to 99.....		13.9	11.6	2.8	23.3
100 to 249.....		12.5	10.8	4.6	18.6
250 to 499.....		7.2	5.8	2.9	9.4
500 to 999.....		5.0	3.9	2.0	7.5
1,000 to 2,499.....		3.5	3.0	1.4	4.5
2,500 and over.....		5.8	(6)	(6)	(6)

See footnotes at end of table.

**Table 2. Continued—Occupational injury and illness incidence rates by industry and employment size, United States, 1978**

Industry and employment size <sup>1/</sup>	SIC code <sup>2/</sup>	Incidence rates per 100 full-time workers <sup>3/</sup>			
		Mean <sup>4/</sup>	Median <sup>4/</sup>	Middle range <sup>4/</sup>	
				First quartile	Third quartile
<b>Paving and roofing materials.....</b>	<b>295</b>				
All sizes.....		14.4	0.0	0.0	12.4
1 to 19.....		6.2	.0	.0	.0
20 to 49.....		12.8	7.2	.0	20.8
50 to 99.....		16.0	12.6	3.5	22.5
100 to 249.....		17.8	15.6	7.9	26.9
250 to 499.....		12.9	(6)	(6)	(6)
<b>Miscellaneous petroleum and coal products....</b>	<b>299</b>				
All sizes.....		16.6	.0	.0	16.1
1 to 19.....		7.1	.0	.0	.0
20 to 49.....		22.7	12.8	1.5	28.6
50 to 99.....		13.3	11.1	3.7	17.9
100 to 249.....		19.9	(6)	(6)	(6)
<b>Rubber and miscellaneous plastics products.....</b>	<b>30</b>				
All sizes.....		17.1	8.9	.0	23.5
1 to 19.....		9.2	.0	.0	7.4
20 to 49.....		18.4	13.0	.9	26.2
50 to 99.....		20.6	17.9	8.5	29.3
100 to 249.....		21.5	19.1	10.7	30.8
250 to 499.....		17.3	16.0	8.1	24.1
500 to 999.....		15.5	12.0	6.6	23.4
1,000 to 2,499.....		13.1	11.5	4.2	21.1
2,500 and over.....		11.0	(6)	(6)	(6)
<b>Tires and inner tubes.....</b>	<b>301</b>				
All sizes.....		15.4	12.0	4.6	28.7
1 to 19.....		11.2	(6)	(6)	(6)
20 to 49.....		22.6	(6)	(6)	(6)
50 to 99.....		10.6	(6)	(6)	(6)
100 to 249.....		38.2	(6)	(6)	(6)
250 to 499.....		13.5	(6)	(6)	(6)
500 to 999.....		18.6	(6)	(6)	(6)
1,000 to 2,499.....		14.9	16.0	4.9	24.1
2,500 and over.....		13.1	(6)	(6)	(6)
<b>Rubber and plastics footwear.....</b>	<b>302</b>				
All sizes.....		12.9	11.2	2.5	25.5
1 to 19.....		4.5	(6)	(6)	(6)
50 to 99.....		23.5	(6)	(6)	(6)
100 to 249.....		16.6	(6)	(6)	(6)
250 to 499.....		16.7	(6)	(6)	(6)
500 to 999.....		18.5	(6)	(6)	(6)
1,000 to 2,499.....		5.7	(6)	(6)	(6)
<b>Reclaimed rubber.....</b>	<b>303</b>				
All sizes.....		30.5	(6)	(6)	(6)
1 to 19.....		14.3	(6)	(6)	(6)
20 to 49.....		41.0	(6)	(6)	(6)
100 to 249.....		35.2	(6)	(6)	(6)
<b>Rubber and plastics hose and belting.....</b>	<b>304</b>				
All sizes.....		13.9	16.0	3.1	33.0
1 to 19.....		24.9	(6)	(6)	(6)
50 to 99.....		23.7	(6)	(6)	(6)
100 to 249.....		21.9	(6)	(6)	(6)
250 to 499.....		15.6	(6)	(6)	(6)
500 to 999.....		23.9	(6)	(6)	(6)
<b>Fabricated rubber products, nec.....</b>	<b>306</b>				
All sizes.....		17.0	10.6	.0	25.8
1 to 19.....		7.8	.0	.0	.0
20 to 49.....		19.7	17.3	4.1	34.2
50 to 99.....		16.7	17.1	6.8	28.1
100 to 249.....		21.2	18.6	10.3	29.6
250 to 499.....		15.7	14.2	9.0	21.5
500 to 999.....		15.1	13.7	8.3	22.5
1,000 to 2,499.....		14.2	(6)	(6)	(6)
<b>Miscellaneous plastics products.....</b>	<b>307</b>				
All sizes.....		18.1	8.4	.0	23.0
1 to 19.....		9.0	.0	.0	7.2
20 to 49.....		18.1	12.6	.5	26.8
50 to 99.....		21.0	18.2	9.0	29.8
100 to 249.....		21.1	19.0	10.7	30.5
250 to 499.....		18.3	17.3	8.0	25.2
500 to 999.....		13.9	11.1	6.1	22.1
1,000 to 2,499.....		9.1	(6)	(6)	(6)
<b>Leather and leather products.....</b>	<b>31</b>				
All sizes.....		11.7	1.0	.0	12.1
1 to 19.....		2.5	.0	.0	.0
20 to 49.....		9.1	1.7	.0	13.6
50 to 99.....		13.2	8.8	3.1	17.4
100 to 249.....		12.9	10.5	4.8	17.3
250 to 499.....		12.2	10.7	6.3	16.1
500 to 999.....		10.8	11.1	6.8	15.5
1,000 to 2,499.....		10.5	(6)	(6)	(6)

See footnotes at end of table.

**Table 2. Continued—Occupational injury and illness incidence rates by industry and employment size, United States, 1978**

Industry and employment size <sup>1/</sup>	SIC code <sup>2/</sup>	Incidence rates per 100 full-time workers <sup>3/</sup>			
		Mean <sup>4/</sup>	Median <sup>5/</sup>	Middle range <sup>6/</sup>	
				First quartile	Third quartile
<b>Leather tanning and finishing.....</b>	<b>311</b>				
All sizes.....		23.8	0.0	0.0	16.9
20 to 49.....		18.2	17.4	5.8	28.8
50 to 99.....		28.8	24.4	16.1	42.5
100 to 249.....		29.8	24.8	17.0	36.5
250 to 499.....		20.8	(6)	(6)	(6)
500 to 999.....		22.0	(6)	(6)	(6)
<b>Boot and shoe cut stock and findings.....</b>	<b>313</b>				
All sizes.....		16.0	7.4	.0	17.8
20 to 49.....		13.3	(6)	(6)	(6)
50 to 99.....		15.9	(6)	(6)	(6)
100 to 249.....		19.1	(6)	(6)	(6)
250 to 499.....		21.2	(6)	(6)	(6)
<b>Footwear, except rubber.....</b>	<b>314</b>				
All sizes.....		10.4	6.0	.0	12.1
20 to 49.....		4.5	.0	.0	4.9
50 to 99.....		8.4	6.9	1.9	11.6
100 to 249.....		10.4	9.7	4.5	14.8
250 to 499.....		11.0	9.5	6.0	14.4
500 to 999.....		10.1	10.4	6.5	14.1
1,000 to 2,499.....		10.4	(6)	(6)	(6)
<b>Leather gloves and mittens.....</b>	<b>315</b>				
All sizes.....		5.4	1.2	.0	8.1
1 to 19.....		9.3	(6)	(6)	(6)
20 to 49.....		6.3	(6)	(6)	(6)
50 to 99.....		4.4	(6)	(6)	(6)
100 to 249.....		5.2	(6)	(6)	(6)
<b>Luggage.....</b>	<b>316</b>				
All sizes.....		11.2	2.7	.0	14.3
1 to 19.....		6.5	(6)	(6)	(6)
20 to 49.....		10.0	(6)	(6)	(6)
50 to 99.....		12.5	(6)	(6)	(6)
100 to 249.....		12.9	(6)	(6)	(6)
250 to 499.....		13.4	(6)	(6)	(6)
<b>Handbags and personal leather goods.....</b>	<b>317</b>				
All sizes.....		9.2	.0	.0	4.8
20 to 49.....		5.8	.0	.0	8.9
50 to 99.....		7.2	4.5	.0	10.8
100 to 249.....		10.9	9.1	3.8	13.6
250 to 499.....		12.2	(6)	(6)	(6)
500 to 999.....		10.8	(6)	(6)	(6)
<b>Transportation and public utilities:</b>					
All sizes.....		10.1	.0	.0	6.6
1 to 19.....		6.4	.0	.0	.0
20 to 49.....		10.6	4.3	.0	16.1
50 to 99.....		12.7	8.5	.8	19.5
100 to 249.....		10.3	6.0	1.9	15.7
250 to 499.....		10.1	6.0	2.4	14.0
500 to 999.....		10.5	6.9	2.7	15.3
1,000 to 2,499.....		9.4	9.4	8.0	14.9
2,500 and over.....		10.2	9.7	5.7	14.6
<b>Railroad transportation <sup>5/</sup>.....</b>	<b>40</b>				
All sizes.....		12.0	1.2	.0	12.6
1 to 19.....		6.5	.0	.0	.0
20 to 49.....		12.5	5.3	.0	14.1
50 to 99.....		15.0	5.9	3.9	18.4
100 to 249.....		12.9	11.2	5.6	17.7
250 to 499.....		13.5	11.6	7.0	18.7
500 to 999.....		13.3	12.5	8.9	16.6
1,000 to 2,499.....		12.8	12.9	9.6	16.8
2,500 and over.....		11.5	11.0	7.7	11.9
<b>Local and interurban passenger transit.....</b>	<b>41</b>				
All sizes.....		8.7	.0	.0	.0
1 to 19.....		1.4	.0	.0	.0
20 to 49.....		4.8	.0	.0	3.2
50 to 99.....		8.0	2.5	.0	10.9
100 to 249.....		10.5	8.0	1.9	15.1
250 to 499.....		14.5	8.9	6.4	18.9
500 to 999.....		14.6	14.1	8.7	21.2
1,000 to 2,499.....		18.8	(6)	(6)	(6)
<b>Trucking and warehousing.....</b>	<b>42</b>				
All sizes.....		16.2	.0	.0	.0
1 to 19.....		8.5	.0	.0	.0
20 to 49.....		14.4	10.2	.0	21.6
50 to 99.....		19.5	17.2	8.8	27.4
100 to 249.....		20.7	18.9	10.5	28.8
250 to 499.....		20.0	18.1	10.7	26.8
500 to 999.....		20.7	18.4	11.4	28.3
1,000 to 2,499.....		17.5	16.2	7.9	26.4
2,500 and over.....		20.2	(6)	(6)	(6)

See footnotes at end of table.

**Table 2. Continued—Occupational injury and illness incidence rates by industry and employment size, United States, 1978**

Industry and employment size <sup>1/</sup>	SIC code <sup>2/</sup>	Incidence rates per 100 full-time workers <sup>3/</sup>			
		Mean <sup>4/</sup>	Median <sup>4/</sup>	Middle range <sup>4/</sup>	
				First quartile	Third quartile
Trucking, local and long distance.....	421				
All sizes.....		16.3	0.0	0.0	11.9
1 to 19.....		8.7	.0	.0	.0
20 to 49.....		14.2	9.8	.0	21.4
50 to 99.....		19.6	17.2	9.0	27.4
100 to 249.....		20.6	18.7	10.6	28.7
250 to 499.....		20.1	18.1	10.9	26.4
500 to 999.....		20.5	18.1	11.4	27.5
1,000 to 2,499.....		17.5	16.2	7.9	26.4
2,500 and over.....		20.2	(6)	(6)	(6)
Public warehousing.....	422				
All sizes.....		15.5	.0	.0	11.9
1 to 19.....		7.4	.0	.0	.0
20 to 49.....		16.2	12.6	.5	25.3
50 to 99.....		18.1	17.0	7.0	27.3
100 to 249.....		22.2	20.5	7.7	30.7
250 to 499.....		17.7	(6)	(6)	(6)
Trucking terminal facilities.....	423				
All sizes.....		17.9	.0	.0	17.7
20 to 49.....		14.1	(6)	(6)	(6)
50 to 99.....		21.3	(6)	(6)	(6)
100 to 249.....		26.1	(6)	(6)	(6)
Water transportation.....	44				
All sizes.....		14.4	.0	.0	7.4
1 to 19.....		7.0	.0	.0	.0
20 to 49.....		9.6	3.6	.0	21.4
50 to 99.....		12.3	8.6	.2	23.5
100 to 249.....		15.7	17.0	2.6	34.6
250 to 499.....		17.9	23.3	7.5	37.0
500 to 999.....		22.4	27.0	16.2	40.4
1,000 to 2,499.....		20.4	(6)	(6)	(6)
Water transportation services.....	446				
All sizes.....		21.9	.0	.0	9.5
1 to 19.....		8.3	.0	.0	.0
20 to 49.....		18.3	12.1	.0	30.7
50 to 99.....		19.9	17.5	3.9	32.7
100 to 249.....		28.6	31.4	17.0	47.9
250 to 499.....		31.3	29.4	19.9	43.5
500 to 999.....		25.0	28.9	18.3	48.8
1,000 to 2,499.....		20.4	(6)	(6)	(6)
Transportation by air.....	45				
All sizes.....		13.4	.0	.0	11.6
1 to 19.....		7.6	.0	.0	.0
20 to 49.....		9.1	4.7	.0	13.6
50 to 99.....		15.0	10.2	3.1	23.5
100 to 249.....		14.8	12.1	5.7	21.6
250 to 499.....		18.8	13.7	6.8	28.1
500 to 999.....		16.5	13.7	8.1	22.0
1,000 to 2,499.....		12.7	11.1	5.9	17.5
2,500 and over.....		12.5	13.5	8.3	19.1
Pipelines, except natural gas.....	46				
All sizes.....		4.7	.0	.0	2.6
1 to 19.....		3.8	.0	.0	.0
20 to 49.....		6.4	4.2	.0	10.3
50 to 99.....		5.1	3.6	.0	8.7
100 to 249.....		4.0	(6)	(6)	(6)
250 to 499.....		1.5	(6)	(6)	(6)
Transportation services.....	47				
All sizes.....		5.5	.0	.0	.0
1 to 19.....		.8	.0	.0	.0
20 to 49.....		5.1	.0	.0	1.8
50 to 99.....		8.6	.0	.0	9.1
100 to 249.....		12.3	2.8	.0	18.9
250 to 499.....		14.7	(6)	(6)	(6)
Miscellaneous transportation services.....	478				
All sizes.....		17.9	.0	.0	1.7
20 to 49.....		11.7	.0	.0	15.8
50 to 99.....		27.1	25.6	7.5	30.4
100 to 249.....		26.3	(6)	(6)	(6)
Communication.....	48				
All sizes.....		2.7	.0	.0	2.5
1 to 19.....		2.4	.0	.0	.0
20 to 49.....		3.3	.0	.0	2.6
50 to 99.....		2.8	.8	.0	4.3
100 to 249.....		3.1	2.5	.5	4.6
250 to 499.....		2.9	2.9	1.1	4.7
500 to 999.....		1.3	2.3	.9	3.7
1,000 to 2,499.....		2.1	2.8	1.5	4.2
2,500 and over.....		3.1	(6)	(6)	(6)

See footnotes at end of table.

**Table 2. Continued—Occupational injury and illness incidence rates by industry and employment size, United States, 1978**

Industry and employment size <sup>1/</sup>	SIC code <sup>2/</sup>	Incidence rates per 100 full-time workers <sup>3/</sup>			
		Mean <sup>4/</sup>	Median <sup>4/</sup>	Middle range <sup>4/</sup>	
				First quartile	Third quartile
<b>Electric, gas, and sanitary services.....</b>	<b>49</b>				
All sizes.....		9.0	0.0	0.0	11.2
1 to 19.....		9.4	.0	.0	.0
20 to 49.....		12.5	8.1	.5	17.2
50 to 99.....		12.4	9.3	3.7	16.7
100 to 249.....		10.3	7.8	3.6	13.8
250 to 499.....		9.2	7.4	3.7	12.4
500 to 999.....		7.8	7.0	3.8	9.8
1,000 to 2,499.....		7.1	5.7	2.8	10.5
2,500 and over.....		7.4	7.1	3.5	11.2
<b>Sanitary services.....</b>	<b>495</b>				
All sizes.....		25.9	.0	.0	23.1
1 to 19.....		17.2	.0	.0	13.2
20 to 49.....		27.8	23.6	10.1	41.5
50 to 99.....		29.1	22.9	12.5	41.0
100 to 249.....		38.9	38.3	23.8	56.6
250 to 499.....		34.8	(6)	(6)	(6)
<b>Wholesale and retail trade:</b>					
All sizes.....		7.9	.0	.0	.0
1 to 19.....		3.3	.0	.0	.0
20 to 49.....		8.0	.0	.0	12.0
50 to 99.....		10.3	7.5	.0	15.9
100 to 249.....		11.9	9.5	3.1	18.0
250 to 499.....		11.4	9.4	3.8	17.2
500 to 999.....		11.4	9.4	4.4	16.3
1,000 to 2,499.....		11.2	9.3	5.2	15.2
2,500 and over.....		10.2	9.0	5.6	16.0
<b>Wholesale trade:</b>					
All sizes.....		8.9	.0	.0	.0
1 to 19.....		4.6	.0	.0	.0
20 to 49.....		9.1	2.9	.0	13.5
50 to 99.....		11.5	7.7	.2	17.6
100 to 249.....		12.8	9.3	2.7	19.2
250 to 499.....		12.0	8.3	2.9	19.5
500 to 999.....		11.0	7.8	3.0	16.9
1,000 to 2,499.....		7.5	4.6	2.4	12.5
<b>Wholesale trade—durable goods.....</b>	<b>50</b>				
All sizes.....		8.6	.0	.0	.0
1 to 19.....		4.9	.0	.0	.0
20 to 49.....		9.5	3.4	.0	14.1
50 to 99.....		11.8	7.4	.0	17.8
100 to 249.....		11.6	8.3	2.4	17.0
250 to 499.....		9.6	6.1	2.2	14.0
500 to 999.....		6.3	4.2	2.1	10.5
1,000 to 2,499.....		7.3	(6)	(6)	(6)
<b>Wholesale trade—nondurable goods.....</b>	<b>51</b>				
All sizes.....		9.3	.0	.0	.0
1 to 19.....		4.3	.0	.0	.0
20 to 49.....		8.5	2.1	.0	12.8
50 to 99.....		11.0	8.2	.4	17.4
100 to 249.....		14.2	10.7	3.3	20.9
250 to 499.....		15.3	13.4	4.3	25.5
500 to 999.....		16.2	15.5	6.2	24.0
1,000 to 2,499.....		7.7	(6)	(6)	(6)
<b>Retail trade:</b>					
All sizes.....		7.5	.0	.0	.0
1 to 19.....		2.7	.0	.0	.0
20 to 49.....		7.5	.0	.0	11.4
50 to 99.....		9.8	7.4	.0	15.3
100 to 249.....		11.5	9.6	3.3	17.7
250 to 499.....		11.2	9.7	4.1	16.7
500 to 999.....		11.5	9.6	5.0	16.3
1,000 to 2,499.....		11.8	9.6	5.1	15.7
2,500 and over.....		10.3	9.1	5.8	16.0
<b>Building materials and garden supplies.....</b>	<b>52</b>				
All sizes.....		9.8	.0	.0	.0
1 to 19.....		5.3	.0	.0	.0
20 to 49.....		12.6	8.4	.0	18.9
50 to 99.....		14.9	13.5	3.9	22.2
100 to 249.....		16.3	13.3	6.5	22.3
250 to 499.....		12.5	10.6	2.7	19.4
500 to 999.....		14.2	(6)	(6)	(6)
1,000 to 2,499.....		7.5	(6)	(6)	(6)
<b>General merchandise stores.....</b>	<b>53</b>				
All sizes.....		9.1	.0	.0	5.8
1 to 19.....		2.2	.0	.0	.0
20 to 49.....		5.2	.0	.0	7.1
50 to 99.....		9.6	7.1	1.6	13.4
100 to 249.....		11.2	9.5	4.1	17.2
250 to 499.....		11.4	10.1	4.9	15.8
500 to 999.....		9.3	8.3	4.4	13.0
1,000 to 2,499.....		8.8	8.3	4.4	13.0
2,500 and over.....		7.3	7.5	1.9	6.9

See footnotes at end of table.

**Table 2. Continued—Occupational injury and illness incidence rates by industry and employment size, United States, 1978**

Industry and employment size <u>1/</u>	SIC code <u>2/</u>	Incidence rates per 100 full-time workers <u>3/</u>			
		Mean <u>4/</u>	Median <u>4/</u>	Middle range <u>4/</u>	
				First quartile	Third quartile
<b>Food stores.....</b>	<b>54</b>				
All sizes.....		10.7	0.0	0.0	0.0
1 to 19.....		2.5	.0	.0	.0
20 to 49.....		9.0	4.6	.0	13.7
50 to 99.....		13.4	12.2	3.4	20.6
100 to 249.....		15.6	14.4	6.9	22.6
250 to 499.....		15.1	14.6	7.1	21.0
500 to 999.....		16.2	15.8	8.7	19.9
1,000 to 2,499.....		22.7	16.2	11.1	26.2
2,500 and over.....		19.0	(6)	(6)	(6)
<b>Automotive dealers and service stations.....</b>	<b>55</b>				
All sizes.....		8.0	.0	.0	.0
1 to 19.....		4.2	.0	.0	.0
20 to 49.....		9.5	6.5	.0	14.7
50 to 99.....		10.9	10.2	2.9	16.5
100 to 249.....		13.0	12.5	7.1	18.0
250 to 499.....		9.5	7.2	2.9	16.6
500 to 999.....		10.7	(6)	(6)	(6)
<b>Apparel and accessory stores.....</b>	<b>56</b>				
All sizes.....		2.3	.0	.0	.0
1 to 19.....		.9	.0	.0	.0
20 to 49.....		1.5	.0	.0	.0
50 to 99.....		2.3	.0	.0	3.5
100 to 249.....		4.0	1.9	.0	5.4
250 to 499.....		4.9	3.1	1.1	5.9
500 to 999.....		4.8	3.5	1.7	6.6
1,000 to 2,499.....		9.5	(6)	(6)	(6)
<b>Furniture and home furnishings stores.....</b>	<b>57</b>				
All sizes.....		5.1	.0	.0	.0
1 to 19.....		3.1	.0	.0	.0
20 to 49.....		5.8	.0	.0	7.6
50 to 99.....		7.5	5.7	.0	12.2
100 to 249.....		9.0	7.2	.0	14.8
250 to 499.....		8.9	7.2	2.7	13.3
500 to 999.....		15.3	(6)	(6)	(6)
<b>Eating and drinking places.....</b>	<b>58</b>				
All sizes.....		7.5	.0	.0	.0
1 to 19.....		2.1	.0	.0	.0
20 to 49.....		7.3	.0	.0	.0
50 to 99.....		8.5	5.3	.0	13.7
100 to 249.....		11.2	9.1	2.1	17.5
250 to 499.....		12.7	11.5	4.0	20.2
500 to 999.....		19.7	18.0	13.6	26.6
1,000 to 2,499.....		15.0	(6)	(6)	(6)
2,500 and over.....		20.1	(6)	(6)	(6)
<b>Miscellaneous retail.....</b>	<b>59</b>				
All sizes.....		3.8	.0	.0	.0
1 to 19.....		1.6	.0	.0	.0
20 to 49.....		4.7	.0	.0	6.1
50 to 99.....		6.0	1.5	.0	7.8
100 to 249.....		7.6	5.7	1.1	11.0
250 to 499.....		5.9	5.9	2.6	8.7
500 to 999.....		8.1	6.6	3.4	10.8
1,000 to 2,499.....		9.6	(6)	(6)	(6)
2,500 and over.....		10.4	(6)	(6)	(6)
<b>Finance, insurance, and real estate:</b>					
All sizes.....		2.1	.0	.0	.0
1 to 19.....		1.4	.0	.0	.0
20 to 49.....		1.7	.0	.0	.0
50 to 99.....		2.1	.0	.0	2.5
100 to 249.....		2.7	1.6	.0	3.9
250 to 499.....		2.8	2.5	.9	4.1
500 to 999.....		2.5	2.6	1.3	4.0
1,000 to 2,499.....		2.3	2.7	1.4	4.0
2,500 and over.....		2.1	2.6	1.4	3.8
<b>Banking.....</b>	<b>60</b>				
All sizes.....		1.5	.0	.0	.0
1 to 19.....		1.1	.0	.0	.0
20 to 49.....		1.1	.0	.0	.0
50 to 99.....		1.0	.0	.0	1.4
100 to 249.....		1.9	1.6	.0	3.6
250 to 499.....		2.6	2.6	1.2	4.0
500 to 999.....		2.3	2.6	1.3	3.9
1,000 to 2,499.....		1.8	2.6	1.4	3.9
2,500 and over.....		1.8	(6)	(6)	(6)
<b>Credit agencies other than banks.....</b>	<b>61</b>				
All sizes.....		1.1	.0	.0	.0
1 to 19.....		.6	.0	.0	.0
20 to 49.....		.5	.0	.0	.0
50 to 99.....		.9	.0	.0	1.3
100 to 249.....		1.6	.6	.0	3.3
250 to 499.....		2.0	2.3	.7	3.8
500 to 999.....		2.4	2.7	1.4	4.1
1,000 to 2,499.....		2.9	(6)	(6)	(6)

See footnotes at end of table.

**Table 2. Continued—Occupational injury and illness incidence rates by industry and employment size, United States, 1978**

Industry and employment size <sup>1/</sup>	SIC code <sup>2/</sup>	Incidence rates per 100 full-time workers <sup>3/</sup>			
		Mean <sup>4/</sup>	Median <sup>4/</sup>	Middle range <sup>4/</sup>	
				First quartile	Third quartile
<b>Security, commodity brokers and services.....</b>	<b>62</b>				
All sizes.....		0.8	0.0	0.0	0.0
20 to 49.....		.5	.0	.0	.0
50 to 99.....		.3	.0	.0	.0
100 to 249.....		.6	.0	.0	.8
250 to 499.....		.6	.0	.0	2.2
500 to 999.....		1.6	(6)	(6)	(6)
1,000 to 2,499.....		2.4	(6)	(6)	(6)
2,500 and over.....		1.8	(6)	(6)	(6)
<b>Insurance carriers.....</b>	<b>63</b>				
All sizes.....		1.9	.0	.0	.0
1 to 19.....		.8	.0	.0	.0
20 to 49.....		1.1	.0	.0	.0
50 to 99.....		1.6	.6	.0	3.2
100 to 249.....		2.0	1.9	.0	3.7
250 to 499.....		2.3	2.4	.9	3.9
500 to 999.....		2.2	2.6	1.3	3.9
1,000 to 2,499.....		2.4	2.7	1.4	4.0
2,500 and over.....		2.3	2.7	1.5	3.9
<b>Insurance agents, brokers, and service.....</b>	<b>64</b>				
All sizes.....		.8	.0	.0	.0
1 to 19.....		.4	.0	.0	.0
20 to 49.....		.7	.0	.0	.0
50 to 99.....		1.2	.0	.0	1.6
100 to 249.....		1.7	1.2	.0	3.4
250 to 499.....		2.2	2.5	1.1	3.9
500 to 999.....		1.8	(6)	(6)	(6)
1,000 to 2,499.....		2.0	(6)	(6)	(6)
<b>Real estate.....</b>	<b>65</b>				
All sizes.....		4.9	.0	.0	.0
1 to 19.....		2.7	.0	.0	.0
20 to 49.....		5.2	.0	.0	9.2
50 to 99.....		6.7	3.0	.0	11.2
100 to 249.....		9.0	7.3	.7	13.5
250 to 499.....		8.0	6.8	2.3	13.4
500 to 999.....		8.4	(6)	(6)	(6)
1,000 to 2,499.....		5.2	(6)	(6)	(6)
<b>Services:</b>					
All sizes.....		5.5	.0	.0	.0
1 to 19.....		1.8	.0	.0	.0
20 to 49.....		3.7	.0	.0	2.5
50 to 99.....		6.2	1.5	.0	9.3
100 to 249.....		7.7	4.7	.4	12.6
250 to 499.....		8.0	6.3	2.3	12.5
500 to 999.....		7.9	6.2	2.8	11.2
1,000 to 2,499.....		7.8	6.2	3.0	10.1
2,500 and over.....		5.8	4.2	2.2	8.4
<b>Hotels and other lodging places.....</b>	<b>70</b>				
All sizes.....		9.2	.0	.0	.0
1 to 19.....		1.5	.0	.0	.0
20 to 49.....		4.4	.0	.0	6.4
50 to 99.....		7.5	5.6	.0	12.4
100 to 249.....		10.9	10.8	5.5	16.2
250 to 499.....		12.7	12.5	7.6	18.1
500 to 999.....		14.3	12.9	9.1	17.7
1,000 to 2,499.....		14.4	12.9	7.9	18.3
2,500 and over.....		12.9	(6)	(6)	(6)
<b>Personal services.....</b>	<b>72</b>				
All sizes.....		3.5	.0	.0	.0
1 to 19.....		.8	.0	.0	.0
20 to 49.....		3.1	.0	.0	.7
50 to 99.....		7.8	3.2	.0	10.6
100 to 249.....		10.8	8.5	.8	16.2
250 to 499.....		8.6	4.0	.6	12.9
500 to 999.....		6.3	(6)	(6)	(6)
<b>Business services.....</b>	<b>73</b>				
All sizes.....		4.9	.0	.0	.0
1 to 19.....		2.4	.0	.0	.0
20 to 49.....		4.2	.0	.0	3.1
50 to 99.....		4.6	.0	.0	6.6
100 to 249.....		6.4	3.1	.0	8.9
250 to 499.....		7.0	4.8	1.7	10.5
500 to 999.....		6.5	4.6	2.2	9.5
1,000 to 2,499.....		4.9	4.2	2.2	8.1
2,500 and over.....		2.4	(6)	(6)	(6)
<b>Auto repair, services, and garages.....</b>	<b>75</b>				
All sizes.....		8.2	.0	.0	.0
1 to 19.....		6.0	.0	.0	.0
20 to 49.....		10.6	3.4	.0	16.7
50 to 99.....		14.1	11.8	1.3	20.4
100 to 249.....		14.5	11.6	4.0	23.3
250 to 499.....		19.1	(6)	(6)	(6)
500 to 999.....		1.8	(6)	(6)	(6)

See footnotes at end of table.

**Table 2. Continued—Occupational injury and illness incidence rates by industry and employment size, United States, 1978**

Industry and employment size <sup>1/</sup>	SIC code <sup>2/</sup>	Incidence rates per 100 full-time workers <sup>3/</sup>			
		Mean <sup>4/</sup>	Median <sup>4/</sup>	Middle range <sup>4/</sup>	
				First quartile	Third quartile
Miscellaneous repair services.....	76				
All sizes.....		10.0	0.0	0.0	0.0
1 to 19.....		6.4	.0	.0	.0
20 to 49.....		13.0	7.9	.0	18.9
50 to 99.....		17.6	13.6	5.8	22.7
100 to 249.....		19.3	16.1	5.3	27.1
250 to 499.....		16.6	.0	.0	0.0
Miscellaneous repair shops.....	769				
All sizes.....		12.4	.0	.0	.0
1 to 19.....		8.5	.0	.0	.0
20 to 49.....		15.5	11.3	.0	23.8
50 to 99.....		20.5	14.3	10.2	28.2
100 to 249.....		20.9	15.8	3.8	21.9
250 to 499.....		16.7	(6)	(6)	(6)
Motion pictures.....	78				
All sizes.....		4.2	.0	.0	.0
1 to 19.....		1.6	.0	.0	.0
20 to 49.....		1.5	.0	.0	.0
50 to 99.....		2.9	.7	.0	4.6
100 to 249.....		4.1	2.6	.0	5.9
250 to 499.....		4.5	(6)	(6)	(6)
500 to 999.....		7.2	(6)	(6)	(6)
1,000 to 2,499.....		13.0	(6)	(6)	(6)
Amusement and recreation services.....	79				
All sizes.....		8.4	.0	.0	.0
1 to 19.....		2.3	.0	.0	.0
20 to 49.....		4.9	.0	.0	7.0
50 to 99.....		10.6	6.2	.0	14.1
100 to 249.....		9.3	6.8	1.9	13.9
250 to 499.....		11.7	9.6	2.9	18.9
500 to 999.....		13.0	11.5	.9	20.8
1,000 to 2,499.....		12.1	11.5	6.6	13.9
2,500 and over.....		15.8	(6)	(6)	(6)
Health services.....	80				
All sizes.....		6.8	.0	.0	.0
1 to 19.....		.3	.0	.0	.0
20 to 49.....		2.6	.0	.0	.2
50 to 99.....		7.9	4.3	.0	12.0
100 to 249.....		9.4	7.4	2.2	15.4
250 to 499.....		10.1	8.6	4.1	14.4
500 to 999.....		8.5	6.8	3.3	11.4
1,000 to 2,499.....		8.0	6.4	3.1	9.8
2,500 and over.....		6.7	5.8	2.9	9.2
Educational services.....	82				
All sizes.....		3.2	.0	.0	.0
1 to 19.....		1.3	.0	.0	.0
20 to 49.....		1.5	.0	.0	.0
50 to 99.....		1.8	.0	.0	.3
100 to 249.....		3.3	2.3	.0	4.9
250 to 499.....		4.3	3.4	1.2	6.5
500 to 999.....		5.0	4.1	1.8	7.3
1,000 to 2,499.....		4.7	5.7	2.7	8.6
2,500 and over.....		3.5	3.2	1.7	4.8
Social services.....	83				
All sizes.....		6.0	.0	.0	.0
1 to 19.....		1.9	.0	.0	.0
20 to 49.....		3.3	.0	.0	2.2
50 to 99.....		5.1	1.8	.0	8.4
100 to 249.....		8.5	6.0	.6	13.4
250 to 499.....		7.2	5.1	1.2	11.0
500 to 999.....		7.6	6.2	2.6	12.3
1,000 to 2,499.....		13.7	(6)	(6)	(6)
2,500 and over.....		4.1	(6)	(6)	(6)
Museums, botanical and zoological gardens.....	84				
All sizes.....		7.3	.0	.0	3.4
1 to 19.....		4.4	.0	.0	.0
20 to 49.....		6.1	5.5	.0	10.5
50 to 99.....		6.4	1.5	.0	8.4
100 to 249.....		6.3	5.5	.7	9.4
250 to 499.....		9.5	(6)	(6)	(6)
500 to 999.....		17.0	(6)	(6)	(6)

See footnotes at end of table.



**Table 2. Continued—Occupational injury and illness incidence rates by industry and employment size, United States, 1978**

Industry and employment size <sup>1/</sup>	SIC code <sup>2/</sup>	Incidence rates per 100 full-time workers <sup>3/</sup>			
		Mean <sup>4/</sup>	Median <sup>4/</sup>	Middle range <sup>4/</sup>	
				First quartile	Third quartile
Miscellaneous services.....	89				
All sizes.....		1.9	0.0	0.0	0.0
1 to 19.....		1.6	.0	.0	.0
20 to 49.....		1.9	.0	.0	.0
50 to 99.....		2.2	.0	.0	3.2
100 to 249.....		2.0	.2	.0	3.3
250 to 499.....		2.5	2.4	.5	4.3
500 to 999.....		2.2	2.7	1.3	4.1
1,000 to 2,499.....		1.6	(6)	(6)	(6)
2,500 and over.....		2.3	(6)	(6)	(6)

<sup>1</sup> Totals for divisions and 2- and 3-digit SIC codes include data for industries not shown separately.

<sup>2</sup> Standard Industrial Classification Manual, 1972 Edition.

<sup>3</sup> The incidence rate represents the number of injuries and illnesses per 100 full-time workers.

<sup>4</sup> The mean incidence rate is calculated as:

$(N/EH) \times 200,000$ , where

N = number of injuries and illnesses or lost workdays.

EH = total hours worked by all employees during calendar year.

200,000 = base for 100 full-time equivalent workers (working 40 hours per week, 50 weeks per year).

The middle range (interquartile) is defined by 2 measures; one-fourth of the

establishments have a rate lower than or equal to the first quartile rate and one-fourth have a rate higher than or equal to the third quartile rate.

<sup>5</sup> Data conforming to the OSHA definitions for coal and lignite mining (SIC 11 and 12) and metal and nonmetal mining (SIC 10 and 14), and for railroad transportation (SIC 40) were provided by the Mine Safety and Health Administration, U.S. Department of Labor, and by the Federal Railroad Administration, U.S. Department of Transportation.

<sup>6</sup> Indicates that quartile rates were not derived because fewer than 25 establishment reports were included in the industry employment-size group.

n.e.c.—not elsewhere classified.

SOURCE: Bureau of Labor Statistics, U.S. Department of Labor.

**Table 3. Number of occupational injuries and illnesses, and lost workdays by industry division, United States, 1977 and 1978<sup>1</sup>**

(In thousands)

Industry division	Total cases <sup>2/</sup>		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
	1977	1978	1977	1978	1977	1978	1977	1978
<b>INJURIES AND ILLNESSES</b>								
Private sector <sup>3/</sup> .....	5,460.3	5,799.4	2,203.6	2,492.0	3,250.6	3,302.0	36,140.3	39,015.4
Agriculture, forestry, and fishing <sup>3/..</sup>	74.9	67.1	33.4	31.4	41.4	35.6	530.7	467.0
Mining.....	88.2	98.4	48.4	55.0	39.3	42.9	1,042.9	1,229.2
Construction.....	507.9	576.6	192.9	230.9	313.7	344.5	3,648.9	3,945.1
Manufacturing.....	2,466.5	2,581.6	959.3	1,084.4	1,506.0	1,495.9	15,458.6	16,567.7
Transportation and public utilities.....	428.6	462.9	234.3	264.5	192.7	197.4	4,253.4	4,706.9
Wholesale and retail trade.....	1,169.9	1,252.2	443.7	499.0	725.5	752.4	6,665.4	7,113.4
Wholesale trade.....	377.9	413.8	158.5	182.5	219.0	231.0	2,323.8	2,675.8
Retail trade.....	791.9	838.4	285.2	316.5	506.5	521.4	4,341.6	4,437.5
Finance, insurance, and real estate.....	77.2	85.2	30.9	35.2	46.1	49.8	409.7	519.5
Services.....	647.2	675.5	260.7	291.6	385.8	383.5	4,130.9	4,466.6
<b>INJURIES</b>								
Private sector <sup>3/</sup> .....	5,298.5	5,656.0	2,146.8	2,438.5	3,145.9	3,212.5	35,234.4	38,173.9
Agriculture, forestry, and fishing <sup>3/..</sup>	70.1	63.7	31.7	30.2	38.3	33.4	515.5	453.5
Mining.....	87.2	96.8	48.0	54.5	38.6	41.9	1,038.8	1,221.7
Construction.....	497.9	568.8	189.6	228.5	307.0	339.2	3,589.4	3,899.8
Manufacturing.....	2,370.2	2,494.9	925.7	1,053.2	1,443.4	1,440.6	14,903.0	16,066.7
Transportation and public utilities.....	419.5	454.9	230.3	260.9	187.6	193.1	4,210.1	4,661.1
Wholesale and retail trade.....	1,154.2	1,237.2	438.9	492.6	714.7	744.0	6,579.0	7,012.2
Wholesale trade.....	371.2	408.4	157.0	180.5	213.9	227.6	2,296.0	2,644.2
Retail trade.....	783.0	828.8	282.0	312.0	500.8	516.4	4,283.0	4,368.0
Finance, insurance, and real estate.....	74.9	83.3	30.0	34.3	44.9	48.8	401.0	502.1
Services.....	624.5	656.4	252.5	284.4	371.5	371.6	3,997.5	4,356.7
<b>ILLNESSES</b>								
Private sector <sup>3/</sup> .....	161.9	143.5	56.8	53.5	104.7	89.5	906.0	841.4
Agriculture, forestry, and fishing <sup>3/..</sup>	4.8	3.4	1.6	1.2	3.2	2.2	15.2	13.5
Mining.....	1.1	1.6	.4	.5	.7	1.1	4.1	7.5
Construction.....	10.0	7.8	3.3	2.4	6.7	5.3	59.5	45.2
Manufacturing.....	96.3	86.7	33.6	31.3	62.6	55.3	555.6	500.9
Transportation and public utilities.....	9.1	7.9	4.0	3.5	5.1	4.4	43.2	45.8
Wholesale and retail trade.....	15.7	15.0	4.8	6.4	10.8	8.4	86.4	101.1
Wholesale trade.....	6.7	5.4	1.6	2.0	5.1	3.4	27.7	31.6
Retail trade.....	8.9	9.6	3.2	4.4	5.7	5.0	58.6	69.5
Finance, insurance, and real estate.....	2.3	1.9	.9	.9	1.3	1.0	8.6	17.4
Services.....	22.7	19.2	8.3	7.2	14.4	11.9	133.4	109.9

<sup>1</sup> In order to maintain the comparability of the 1978 survey data with the data published in previous years, a statistical method was developed for generating the 1978 estimates to represent the small nonfarm employers in low-risk industries which were not surveyed. The estimating procedure involved averaging the data reported by small employers for the 1975, 1976, and 1977 annual surveys.

<sup>2</sup> Includes fatalities.

<sup>3</sup> Excludes farms with fewer than 11 employees.

NOTE: Because of rounding, components may not add to totals, and the difference between the total and the lost workday cases and nonfatal cases without lost workdays may not be equal to the fatality estimate.

SOURCE: Bureau of Labor Statistics, U.S. Department of Labor.

**Table 4. Number of occupational injuries and illnesses by industry, United States, 1978<sup>1</sup>**

(Total cases and lost workday cases in thousands)

Industry <sup>2/</sup>	SIC code <sup>3/</sup>	Injuries and illnesses			Injuries			Illnesses		
		Total cases	Lost workday cases	Average lost workdays per lost workday case	Total cases	Lost workday cases	Average lost workdays per lost workday case	Total cases	Lost workday cases	Average lost workdays per lost workday case
Private sector <sup>4/</sup> .....		5,799.4	2,492.0	16	5,656.0	2,438.5	16	143.5	53.5	16
Agriculture, forestry, and fishing <sup>4/</sup> .....		67.1	31.4	15	63.7	30.2	15	3.4	1.2	12
Agricultural production <sup>4/</sup> .....	01-02	42.0	19.1	14	39.9	18.5	14	2.0	.7	12
Agricultural services.....	07	23.3	11.3	16	22.0	10.8	16	1.3	.5	8
Forestry.....	08	1.3	.6	16	1.2	.6	16	.1	(6)	-
Fishing, hunting, and trapping.....	09	.6	.3	31	.5	.3	30	.1	(6)	38
Mining.....		98.4	55.0	22	96.8	54.5	22	1.6	.5	-
Metal mining <sup>5/</sup> .....	10	8.3	4.5	21	8.1	4.4	21	.1	.1	12
Anthracite mining <sup>5/</sup> .....	11	.4	.2	27	.4	.2	27	(6)	(6)	20
Bituminous coal and lignite mining <sup>5/</sup> .....	12	20.0	14.5	23	19.5	14.4	23	.4	.1	18
Oil and gas extraction.....	13	59.6	29.7	22	58.7	29.5	22	.8	.3	-
Nonmetallic minerals, except fuels <sup>5/</sup> .....	14	10.2	6.1	21	10.0	6.0	21	.2	.1	12
Construction.....		576.6	230.9	17	568.8	228.5	17	7.8	2.4	19
General building contractors.....	15	160.7	63.2	17	158.7	62.6	17	2.0	.6	19
Heavy construction contractors.....	16	133.7	50.3	18	131.0	49.7	18	2.7	.6	17
Special trade contractors.....	17	282.2	117.4	17	279.1	116.2	17	3.1	1.2	19
Manufacturing.....		2,581.6	1,084.4	15	2,494.9	1,053.2	15	86.7	31.3	16
Durable goods.....		1,674.0	698.7	15	1,617.3	678.9	15	56.7	19.8	17
Lumber and wood products.....	24	159.3	78.3	16	157.5	77.6	16	1.7	.6	15
Furniture and fixtures.....	25	80.4	31.6	14	79.0	31.1	14	1.4	.5	16
Stone, clay, and glass products.....	32	114.9	53.1	16	111.7	52.0	16	3.2	1.1	15
Primary metal industries.....	33	200.3	88.0	17	194.8	86.3	16	5.5	1.7	22
Fabricated metal products.....	34	309.8	127.4	14	301.2	124.6	14	8.6	2.8	13
Machinery, except electrical.....	35	329.0	123.5	14	318.7	119.9	14	10.4	3.6	16
Electric and electronic equipment.....	36	166.1	62.4	15	155.1	58.5	15	10.9	3.9	19
Transportation equipment.....	37	222.4	99.7	15	212.3	96.1	15	10.1	3.6	17
Instruments and related products.....	38	43.0	16.0	14	40.1	14.8	14	3.0	1.2	16
Miscellaneous manufacturing industries.....	39	48.9	18.7	15	46.9	17.9	15	2.0	.8	18
Nondurable goods.....		907.6	385.7	16	877.6	374.2	16	30.0	11.5	15
Food and kindred products.....	20	318.5	146.4	15	307.1	141.4	15	11.4	5.0	13
Tobacco manufactures.....	21	5.6	2.6	14	5.5	2.6	14	.1	(6)	19
Textile mill products.....	22	90.2	29.9	18	88.4	29.4	18	1.7	.5	18
Apparel and other textile products.....	23	75.3	25.1	15	73.3	24.4	15	1.9	.7	17
Paper and allied products.....	26	94.9	39.7	18	93.2	39.0	18	1.8	.7	18
Printing and publishing.....	27	72.8	30.2	15	71.5	29.8	15	1.3	.5	22
Chemicals and allied products.....	28	83.1	35.4	15	77.2	33.5	16	5.9	2.0	11
Petroleum and coal products.....	29	16.5	7.1	17	16.0	6.9	17	.5	.1	18
Rubber and miscellaneous plastics products.....	30	124.5	58.6	16	120.6	57.3	15	3.9	1.4	20
Leather and leather products.....	31	26.1	10.6	15	24.7	10.0	15	1.4	.6	13
Transportation and public utilities.....		462.7	264.5	18	454.9	260.9	18	7.9	3.5	13
Railroad transportation <sup>5/</sup> .....	40	61.2	38.9	13	59.5	38.2	13	1.7	.7	8
Local and interurban passenger transit.....	41	17.2	9.3	18	17.1	9.2	18	.2	.1	21
Trucking and warehousing.....	42	200.5	115.9	19	199.0	115.3	19	1.5	.7	22
Water transportation.....	44	27.1	14.7	35	26.7	14.5	35	.5	.2	28
Transportation by air.....	45	47.5	29.9	11	46.1	28.9	12	1.5	1.0	7
Pipelines, except natural gas.....	46	.9	.4	15	.9	.4	16	(6)	-	-
Transportation services.....	47	8.4	4.2	15	8.3	4.1	15	.1	-	-
Communication.....	48	32.2	18.2	19	31.3	17.9	19	.9	.3	19
Electric, gas, and sanitary services.....	49	67.9	33.0	17	66.2	32.5	18	1.6	.4	9
Wholesale and retail trade.....		1,252.2	499.0	14	1,237.2	492.6	14	15.0	6.4	16
Wholesale trade.....		413.8	182.5	15	408.4	180.5	15	5.4	2.0	16
Wholesale trade-durable goods.....	50	236.3	98.2	14	233.6	97.3	14	2.8	1.0	22
Wholesale trade-nondurable goods.....	51	177.4	84.3	15	174.8	83.2	15	2.7	1.0	11
Retail trade.....		838.4	316.5	14	828.8	312.0	14	9.6	4.4	16
Building materials and garden supplies.....	52	52.9	22.7	14	52.4	22.4	15	.5	.3	8
General merchandise stores.....	53	156.9	64.6	13	154.9	63.6	13	1.9	1.1	9
Food stores.....	54	179.2	70.5	16	178.1	69.7	16	1.1	.8	16
Automotive dealers and service stations.....	55	141.0	45.0	15	139.6	44.4	15	1.5	.5	33
Apparel and accessory stores.....	56	15.2	6.0	17	14.9	6.0	17	.3	(6)	-
Furniture and home furnishings stores.....	57	26.6	12.8	16	26.2	12.5	16	.4	.2	-
Eating and drinking places.....	58	213.4	72.1	11	210.2	70.8	11	3.1	1.3	15
Miscellaneous retail.....	59	53.2	22.8	15	52.4	22.6	15	.7	-	-
Finance, insurance, and real estate.....		85.2	35.2	15	83.3	34.3	15	1.9	.9	20
Banking.....	60	19.5	7.7	12	19.2	7.6	12	.3	.1	-
Credit agencies other than banks.....	61	5.0	1.8	13	5.0	1.8	13	(6)	(6)	-
Security, commodity brokers, and services.....	62	1.5	.6	14	1.5	.6	14	-	-	-
Insurance carriers.....	63	21.1	7.7	17	20.9	7.6	17	.2	.1	31
Insurance agents, brokers, and service.....	64	2.7	1.2	15	2.6	1.2	-	-	-	-
Real estate.....	65	33.8	15.5	15	32.6	14.9	15	1.2	.6	11

See footnotes at end of table.

**Table 4. Continued—Number of occupational injuries and illnesses by industry, United States, 1978<sup>1</sup>**

(Total cases and lost workday cases in thousands)

Industry <sup>2/</sup>	SIC code <sup>3/</sup>	Injuries and illnesses			Injuries			Illnesses		
		Total cases	Lost workday cases	Average lost workdays per lost workday case	Total cases	Lost workday cases	Average lost workdays per lost workday case	Total cases	Lost workday cases	Average lost workdays per lost workday case
Services.....		675.5	291.6	15	656.4	284.4	15	19.2	7.2	15
Hotels and other lodging places.....	70	68.8	26.8	14	67.6	26.3	14	1.2	.5	11
Personal services.....	72	24.6	10.8	18	23.7	10.4	18	.8	.4	40
Business services.....	73	100.5	45.1	16	98.5	44.4	16	2.0	.7	-
Auto repair, services, and garages.....	75	37.9	15.8	12	37.4	15.6	12	.5	.1	-
Miscellaneous repair services.....	76	21.9	9.9	15	21.3	9.7	16	.6	.2	9
Motion pictures.....	78	6.4	2.0	20	6.2	1.9	20	.2	(6)	12
Amusement and recreation services.....	79	39.7	17.5	13	38.1	16.8	13	1.6	.6	-
Health services.....	80	262.4	117.8	16	253.6	114.7	16	8.8	3.1	13
Educational services.....	82	22.7	9.0	15	21.9	8.6	16	.8	.4	8
Social services.....	83	42.9	18.7	14	41.8	18.1	15	1.1	.6	10
Museums, botanical and zoological gardens.....	84	1.7	.6	13	1.6	.6	13	.1	(6)	8
Miscellaneous services.....	89	15.4	5.5	15	14.5	5.3	15	.9	.2	9

<sup>1</sup> In order to maintain the comparability of the 1978 survey data with the data published in previous years, a statistical method was developed for generating the 1978 estimates to represent the small nonfarm employers in low-risk industries which were not surveyed. The estimating procedure involved averaging the data reported by small employers for the 1975, 1976, and 1977 annual surveys.

<sup>2</sup> Industry division totals include data for industries not shown separately.

<sup>3</sup> Standard Industrial Classification Manual, 1972 Edition.

<sup>4</sup> Excludes farms with fewer than 11 employees.

<sup>5</sup> Data conforming to OSHA definitions for coal and lignite mining (SIC 11 and 12) and metal and nonmetal mining (SIC 10 and 14), and for railroad transportation (SIC 40) were provided by the Mine Safety and Health Administration, U.S. Department of Labor, and by the Federal Railroad Administration, U.S. Department of Transportation.

<sup>6</sup> Fewer than 50 cases.

NOTE: Dashes indicate that data do not meet publication guidelines. Because of rounding, components may not add to totals.

The number of lost workdays for the 2-digit SIC levels shown in this table can be approximated by multiplying the number of lost workday cases by the average lost workdays per lost workday case.

Approximations of average lost workdays per lost workday case for 3- and 4-digit SIC levels can be derived by dividing the incidence rate for lost workdays by the incidence rate for lost workday cases (tables 1 and 5).

SOURCE: Bureau of Labor Statistics, U.S. Department of Labor.

**Table 5. Occupational injury incidence rates by industry, United States, 1977 and 1978<sup>1</sup>**

Industry 2/	SIC code 3/	Incidence rates per 100 full-time workers 4/							
		Total cases 5/		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
		1977	1978	1977	1978	1977	1978	1977	1978
Private sector 6/.....		9.0	9.2	3.7	4.0	5.3	5.2	60.0	62.1
Agriculture, forestry, and fishing 6/.....		10.7	11.0	4.8	5.2	5.8	5.8	78.8	78.3
Agricultural production 6/.....	01-02	11.2	12.2	5.1	5.6	6.1	6.5	77.0	78.9
Agricultural services.....	07	10.1	9.7	4.6	4.8	5.5	4.9	85.4	78.5
Forestry.....	08	12.5	10.4	5.3	5.0	7.2	5.3	63.4	78.9
Fishing, hunting, and trapping.....	09	6.0	3.7	2.2	2.1	3.8	1.6	39.7	62.4
Mining.....		10.8	11.3	5.9	6.4	4.8	4.9	128.3	142.3
Metal mining 7/.....	10	7.4	9.9	4.5	5.4	2.8	4.5	83.9	113.1
Anthracite mining 7/.....	11	21.6	19.3	10.6	11.3	10.6	7.9	237.6	306.7
Bituminous coal and lignite mining 7/.....	12	12.3	9.8	7.8	7.3	4.4	2.5	167.0	169.6
Oil and gas extraction.....	13	12.7	13.7	6.2	6.9	6.4	6.8	142.7	153.4
Crude petroleum and natural gas.....	131	-	4.4	-	2.0	-	2.3	-	42.3
Oil and gas field services.....	138	-	20.0	-	10.1	-	9.8	-	228.4
Nonmetallic minerals, except fuels 7/.....	14	5.1	6.8	3.3	4.1	1.8	2.6	58.0	87.4
Construction.....		15.2	15.8	5.8	6.3	9.4	9.4	109.7	108.1
General building contractors.....	15	14.8	15.7	5.6	6.2	9.2	9.5	97.7	104.1
Residential building construction.....	152	12.8	13.2	5.5	5.9	7.2	7.3	97.3	100.0
Operative builders.....	153	12.6	15.5	4.7	6.2	7.9	9.3	53.8	76.2
Nonresidential building construction.....	154	17.6	18.9	5.8	6.6	11.7	12.3	105.9	114.1
Heavy construction contractors.....	16	15.6	16.2	5.6	6.2	9.9	10.0	114.8	105.5
Highway and street construction.....	161	14.8	15.0	5.3	5.7	9.3	9.2	108.6	104.7
Heavy construction, except highway.....	162	16.0	16.8	5.7	6.4	10.2	10.4	117.5	111.7
Special trade contractors.....	17	15.3	15.6	6.0	6.5	9.3	9.1	114.1	109.8
Plumbing, heating, and air conditioning....	171	16.8	16.7	5.4	5.8	11.4	10.9	93.6	92.3
Painting, paperhanging, and decorating....	172	9.4	9.3	4.4	4.6	4.9	4.7	101.1	98.2
Electrical work.....	173	13.1	13.9	4.4	4.7	8.6	9.2	91.9	70.3
Masonry, stonework, and plastering.....	174	15.3	15.4	7.1	7.3	8.2	8.1	130.9	119.9
Carpentering and flooring.....	175	14.4	13.5	7.2	7.2	7.2	6.2	118.8	127.0
Roofing and sheet-metal work.....	176	20.9	22.3	9.7	11.7	11.1	10.6	195.5	211.2
Concrete work.....	177	14.3	14.4	6.3	6.6	8.0	7.8	130.1	121.1
Water well drilling.....	178	14.1	12.7	7.0	6.5	7.0	6.2	134.2	126.1
Miscellaneous special trade contractors....	179	16.1	16.7	6.2	7.1	9.8	9.5	120.6	122.6
Manufacturing.....		12.6	12.8	4.9	5.4	7.7	7.4	79.3	82.3
Durable goods.....		13.5	13.7	5.2	5.8	8.3	7.9	83.3	86.3
Lumber and wood products.....	24	22.0	22.3	10.3	11.0	11.7	11.3	175.8	177.5
Logging camps and logging contractors.....	241	25.8	25.6	15.4	15.5	10.3	9.9	327.0	315.5
Sawmills and planing mills.....	242	20.8	21.5	10.0	11.0	10.8	10.5	181.5	191.4
Sawmills and planing mills, general.....	2421	20.7	21.1	10.2	11.0	10.5	10.0	189.8	193.7
Hardwood dimension and flooring.....	2426	19.4	20.6	7.6	8.8	11.7	11.8	116.7	149.2
Special product sawmills, n.e.c.....	2429	34.6	42.9	18.5	24.3	16.0	18.6	277.5	366.3
Millwork, plywood, and structural members.	243	19.3	20.2	8.6	9.5	10.7	10.6	134.4	138.0
Millwork.....	2431	22.0	22.6	9.4	10.1	12.6	12.5	125.9	136.2
Wood kitchen cabinets.....	2434	16.8	17.6	7.8	8.5	8.9	9.1	106.7	113.8
Hardwood veneer and plywood.....	2435	19.8	19.7	7.6	8.8	11.2	10.9	140.4	127.2
Softwood veneer and plywood.....	2436	15.6	15.9	7.2	8.4	8.4	7.5	152.0	154.0
Structural wood members, n.e.c.....	2439	27.0	30.9	13.9	15.0	13.1	15.9	190.2	170.7
Wood containers.....	244	20.0	21.2	9.8	10.9	10.2	10.3	158.6	161.5
Nailed wood boxes and shooks.....	2441	20.2	23.1	9.0	11.3	11.2	11.7	148.0	159.9
Wood pallets and skids.....	2448	20.2	21.9	10.9	11.7	9.2	10.2	167.5	171.3
Wood containers, n.e.c.....	2449	19.6	18.4	8.5	8.9	11.1	9.5	151.4	142.7
Wood buildings and mobile homes.....	245	32.6	32.4	13.6	14.1	19.0	18.3	174.0	176.4
Mobile homes.....	2451	35.3	34.5	14.6	15.1	20.7	19.3	191.3	195.4
Prefabricated wood buildings.....	2452	26.2	27.9	11.3	11.8	14.9	16.1	133.3	135.0
Miscellaneous wood products.....	249	19.3	18.2	7.8	8.0	11.5	10.2	138.5	125.4
Wood preserving.....	2491	21.1	18.4	8.6	8.7	12.5	9.7	160.3	150.8
Particleboard.....	2492	16.4	13.2	6.0	6.1	10.4	7.1	98.9	121.4
Wood products, n.e.c.....	2499	19.1	18.8	7.8	8.0	11.3	10.7	137.2	120.5
Furniture and fixtures.....	25	16.8	17.2	5.9	6.8	10.9	10.4	89.9	94.3
Household furniture.....	251	15.8	16.2	5.4	6.4	10.4	9.8	84.1	90.0
Wood household furniture.....	2511	15.4	16.1	5.0	6.1	10.4	10.0	85.6	88.0
Upholstered household furniture.....	2512	15.1	15.2	5.0	6.0	10.1	9.2	72.0	86.5
Metal household furniture.....	2514	17.9	17.5	6.6	7.1	11.3	10.4	98.9	95.2
Mattresses and bedspings.....	2515	17.8	17.9	7.2	8.2	10.5	9.6	102.1	109.7
Wood TV and radio cabinets.....	2517	14.7	15.9	5.5	5.8	9.2	10.1	71.6	81.7
Household furniture, n.e.c.....	2519	16.8	19.9	5.6	6.7	11.2	13.2	97.6	83.0
Office furniture.....	252	20.0	18.0	7.1	7.5	12.9	10.5	111.2	102.3
Wood office furniture.....	2521	18.6	18.0	6.7	7.8	11.9	10.2	105.5	97.6
Metal office furniture.....	2522	20.8	18.0	7.3	7.3	13.5	10.7	114.3	104.8
Public building and related furniture.....	253	18.1	20.7	7.2	7.7	10.9	13.0	104.5	102.2
Partitions and fixtures.....	254	18.2	20.0	6.7	8.0	11.5	12.0	96.2	104.9
Wood partitions and fixtures.....	2541	15.7	18.9	5.7	7.6	9.9	11.3	87.5	104.4
Metal partitions and fixtures.....	2542	21.1	21.2	7.7	8.5	13.4	12.7	106.2	105.5

See footnotes at end of table.

**Table 5. Continued—Occupational injury incidence rates by industry, United States, 1977 and 1978<sup>1</sup>**

Industry 2/	STC code 3/	Incidence rates per 100 full-time workers 4/							
		Total cases 5/		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
		1977	1978	1977	1978	1977	1978	1977	1978
Miscellaneous furniture and fixtures.....	259	19.8	18.8	6.8	7.0	13.0	11.8	96.8	100.3
Drapery hardware and blinds and shades..	2591	16.7	16.8	5.4	5.9	11.3	10.8	88.0	76.4
Furniture and fixtures, n.e.c.....	2599	23.9	21.5	8.6	8.4	15.3	13.1	108.5	132.5
Stone, clay, and glass products.....	32	16.3	16.4	6.7	7.6	9.6	8.7	116.0	123.8
Flat glass.....	321	19.3	17.9	4.7	5.3	14.6	12.6	96.8	94.0
Glass and glassware, pressed or blown....	322	14.2	14.2	6.3	7.3	7.9	6.9	125.3	130.8
Glass containers.....	3221	15.5	15.3	7.9	9.0	7.6	6.3	164.8	170.8
Pressed and blown glass, n.e.c.....	3229	12.6	12.7	4.3	5.1	8.3	7.6	73.0	78.0
Products of purchased glass.....	323	19.1	20.1	6.3	7.5	12.8	12.5	99.8	96.4
Structural clay products.....	325	17.8	18.3	8.1	8.8	9.7	9.4	131.4	130.2
Brick and structural clay tile.....	3251	20.4	21.0	9.0	10.3	11.3	10.7	146.0	148.8
Ceramic wall and floor tile.....	3253	12.2	14.0	5.1	5.9	7.1	8.1	88.5	82.6
Clay refractories.....	3255	14.3	14.4	6.5	6.6	7.8	7.7	111.6	113.9
Structural clay products, n.e.c.....	3259	24.1	23.6	12.5	12.9	11.6	10.7	186.4	176.5
Pottery and related products.....	326	15.6	16.0	7.1	7.9	8.5	8.1	109.2	110.7
Vitreous plumbing fixtures.....	3261	27.1	28.1	12.7	14.5	14.4	13.6	180.4	205.4
Vitreous china food utensils.....	3262	7.5	10.5	5.1	6.6	2.3	3.9	114.5	121.1
Fine earthenware food utensils.....	3263	13.0	13.6	7.4	7.0	5.6	6.6	99.1	110.5
Porcelain electrical supplies.....	3264	11.7	14.0	5.0	5.6	6.7	8.4	93.1	73.3
Pottery products, n.e.c.....	3269	13.2	11.7	5.0	5.6	8.2	6.0	69.0	69.9
Concrete, gypsum, and plaster products...	327	17.9	17.7	7.5	8.3	10.3	9.4	124.8	133.6
Concrete block and brick.....	3271	18.4	19.2	8.3	8.9	10.1	10.2	137.0	146.3
Concrete products, n.e.c.....	3272	23.6	23.5	10.1	11.5	13.5	12.0	155.8	163.7
Ready-mixed concrete.....	3273	15.6	15.5	6.4	7.0	9.1	8.5	110.1	122.0
Lime.....	3274	-	13.0	-	6.6	-	6.3	-	131.1
Gypsum products.....	3275	7.1	6.0	2.2	2.1	4.9	3.9	48.2	57.8
Cut stone and stone products.....	328	16.5	14.1	7.3	6.2	9.2	7.8	90.3	115.2
Miscellaneous nonmetallic mineral products.....	329	15.1	15.9	6.1	7.5	9.0	8.4	103.7	121.0
Abrasive products.....	3291	19.3	17.8	6.8	7.6	12.4	10.2	101.5	117.5
Asbestos products.....	3292	14.6	16.6	6.8	8.8	7.7	7.8	155.0	156.1
Gaskets, packing, and sealing devices...	3293	14.6	16.2	5.3	6.6	9.2	9.6	81.7	103.3
Mineral wool.....	3296	10.9	12.9	4.9	6.4	6.0	6.4	85.0	101.6
Nonclay refractories.....	3297	18.5	18.3	9.3	9.8	9.2	8.5	155.9	164.9
Primary metal industries.....	33	15.7	16.5	6.6	7.3	9.1	9.2	115.9	120.5
Blast furnace and basic steel products...	331	11.7	12.6	4.5	4.9	7.2	7.7	93.2	95.1
Blast furnaces and steel mills.....	3312	10.0	10.7	3.7	4.0	6.2	6.7	83.3	85.2
Electrometallurgical products.....	3313	14.1	14.6	5.4	6.3	8.7	8.3	104.4	115.7
Steel wire and related products.....	3315	21.9	19.8	10.3	9.1	11.6	10.7	161.8	147.4
Cold finishing of steel shapes.....	3316	27.4	26.6	10.2	11.6	17.1	14.9	177.6	177.9
Steel pipe and tubes.....	3317	21.4	26.6	9.0	11.0	12.4	15.5	141.3	150.5
Iron and steel foundries.....	332	24.0	24.3	10.7	11.4	13.2	12.9	160.6	166.7
Gray iron foundries.....	3321	24.5	24.0	11.2	11.3	13.3	12.7	158.3	156.5
Malleable iron foundries.....	3322	26.2	24.8	11.0	10.9	15.2	13.9	176.5	157.2
Steel foundries, n.e.c.....	3325	23.0	26.3	10.2	12.6	12.7	13.6	177.7	212.1
Primary nonferrous metals.....	333	12.1	12.7	5.0	5.8	7.0	6.8	110.1	108.9
Primary copper.....	3331	11.1	10.0	5.6	4.6	5.4	5.4	153.2	117.6
Primary lead.....	3332	18.1	16.1	5.6	8.8	12.5	7.3	134.7	129.2
Primary zinc.....	3333	14.1	16.7	6.9	9.7	7.2	6.9	172.5	181.4
Primary aluminum.....	3334	11.3	12.3	4.5	5.4	6.8	6.9	91.9	98.0
Primary nonferrous metals, n.e.c.....	3339	13.2	13.4	5.0	5.7	8.2	7.6	75.6	95.6
Secondary nonferrous metals.....	334	26.2	24.8	11.6	12.6	14.5	12.2	178.1	185.5
Nonferrous rolling and drawing.....	335	13.6	15.0	5.6	6.8	8.0	8.2	98.8	114.2
Copper rolling and drawing.....	3351	16.9	18.7	6.7	8.5	10.2	10.2	120.9	144.4
Aluminum sheet, plate, and foil.....	3353	10.9	11.3	4.3	4.3	6.6	6.9	70.6	69.0
Aluminum extruded products.....	3354	14.3	17.0	6.1	8.5	8.1	8.5	115.0	150.1
Aluminum rolling and drawing, n.e.c.....	3355	10.3	10.9	3.6	4.9	6.7	6.0	62.6	85.7
Nonferrous rolling and drawing, n.e.c.....	3356	12.4	14.4	4.3	5.3	8.1	9.1	76.0	91.5
Nonferrous wire drawing and insulating..	3357	13.6	14.8	5.9	7.0	7.7	7.8	102.7	115.0
Nonferrous foundries.....	336	22.0	22.4	10.2	11.0	11.8	11.4	157.5	155.0
Aluminum foundries.....	3361	22.2	22.3	10.6	11.3	11.6	11.0	166.8	145.8
Brass, bronze, and copper foundries.....	3362	23.2	25.2	10.4	11.5	12.8	13.7	150.7	162.4
Nonferrous foundries, n.e.c.....	3369	20.4	20.2	9.1	9.9	11.3	10.3	141.8	169.3
Miscellaneous primary metal products.....	339	20.0	21.1	9.0	10.4	11.0	10.7	152.9	137.8
Metal heat treating.....	3398	21.2	23.2	9.6	11.4	11.6	11.8	136.5	144.7
Primary metal products, n.e.c.....	3399	18.6	18.5	8.4	9.2	10.2	9.3	172.9	129.4
Fabricated metal products.....	34	18.5	18.8	7.0	7.8	11.5	11.0	106.3	110.0
Metal cans and shipping containers.....	341	18.2	18.0	6.4	7.1	11.8	10.9	113.1	111.6
Metal cans.....	3411	17.5	17.2	6.1	6.9	11.4	10.3	105.9	107.7
Metal barrels, drums, and pails.....	3412	21.7	22.2	7.8	8.4	13.9	13.8	149.5	130.1
Cutlery, hand tools, and hardware.....	342	15.1	17.0	5.7	7.0	9.4	10.0	87.7	102.4
Cutlery.....	3421	12.3	14.0	3.9	4.8	8.4	9.2	60.8	68.5
Hand and edge tools, n.e.c.....	3423	18.0	20.3	6.6	8.1	11.3	12.2	95.5	116.7
Hand saws and saw blades.....	3425	18.4	18.8	6.1	6.9	12.3	11.9	85.0	89.3
Hardware, n.e.c.....	3429	14.0	15.7	5.5	6.7	8.5	9.0	88.3	101.4

See footnotes at end of table.

**Table 5. Continued—Occupational injury incidence rates by industry, United States, 1977 and 1978<sup>1</sup>**

Industry 2/	SIC code 3/	Incidence rates per 100 full-time workers 4/							
		Total cases 5/		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
		1977	1978	1977	1978	1977	1978	1977	1978
Plumbing and heating, except electric.....	343	19.6	18.7	7.3	7.5	12.3	11.2	107.3	105.9
Metal sanitary ware.....	3431	21.9	21.9	8.4	7.2	13.4	14.7	107.6	96.5
Plumbing fittings and brass goods.....	3432	14.4	13.4	6.0	6.2	8.4	7.2	90.1	88.8
Heating equipment, except electric.....	3433	23.1	22.0	7.9	8.6	15.1	13.4	121.1	122.7
Fabricated structural metal products.....	344	22.0	22.2	8.4	9.2	13.6	12.9	126.2	126.8
Fabricated structural metal.....	3441	24.9	25.2	10.6	11.9	14.3	13.3	159.1	175.7
Metal doors, sash, and trim.....	3442	23.7	21.9	8.5	8.1	15.2	13.8	119.1	105.5
Fabricated plate work.....	3443	18.8	19.5	7.3	8.1	11.5	11.4	108.6	107.0
Sheet-metal work.....	3444	23.2	23.7	8.5	9.2	14.7	14.5	135.4	121.2
Architectural metal work.....	3446	21.9	21.0	7.3	9.0	14.6	12.0	106.9	122.8
Prefabricated metal buildings.....	3448	19.9	21.0	7.5	8.1	12.4	12.9	105.8	132.1
Miscellaneous metal work.....	3449	20.7	22.8	8.3	9.6	12.4	13.2	129.5	143.7
Screw machine products, bolts, etc.....	345	15.7	16.3	5.2	6.0	10.5	10.3	81.8	79.0
Screw machine products.....	3451	14.9	16.0	4.8	5.4	10.1	10.6	71.2	67.4
Bolts, nuts, rivets, and washers.....	3452	16.4	16.5	5.6	6.5	10.8	10.0	91.0	89.8
Metal forgings and stampings.....	346	17.9	17.9	7.0	7.6	10.9	10.3	111.5	111.8
Iron and steel forgings.....	3462	27.5	24.3	12.7	11.9	14.8	12.4	205.4	189.2
Nonferrous forgings.....	3463	11.2	13.9	4.3	6.9	6.9	6.9	72.3	141.9
Automotive stampings.....	3465	13.0	12.7	4.9	5.5	8.0	7.2	71.6	71.7
Crowns and closures.....	3466	14.2	14.4	6.9	7.1	7.3	7.3	163.1	123.2
Metal stampings, n.e.c.....	3469	19.4	20.4	6.8	7.8	12.5	12.6	111.6	114.3
Metal services, n.e.c.....	347	16.7	17.2	6.9	7.5	9.8	9.6	95.5	102.3
Plating and polishing.....	3471	15.4	16.6	6.5	7.4	8.8	9.1	88.1	90.8
Metal coating and allied services.....	3479	19.6	18.6	7.7	7.7	11.9	10.9	112.1	130.7
Ordinance and accessories, n.e.c.....	348	7.7	8.4	3.0	3.5	4.7	4.9	48.6	52.8
Small arms ammunition.....	3482	4.8	4.7	1.8	1.8	3.0	2.9	36.2	29.4
Ammunition, except for small arms, n.e.c.....	3483	7.8	8.8	2.7	3.4	5.1	5.4	49.4	54.1
Small arms.....	3484	7.7	8.9	3.6	4.2	4.1	4.7	50.3	63.6
Ordinance and accessories, n.e.c.....	3489	11.1	11.7	4.1	4.7	7.0	6.9	59.6	59.6
Miscellaneous fabricated metal products...	349	19.2	18.9	7.1	7.9	12.1	10.9	101.6	111.1
Steel springs, except wire.....	3493	29.8	28.6	13.4	13.5	16.3	15.1	178.9	188.0
Valves and pipe fittings.....	3494	17.8	17.6	6.6	7.2	11.2	10.4	89.3	96.9
Wire springs.....	3495	17.7	16.1	5.5	6.1	12.2	10.0	90.6	103.7
Miscellaneous fabricated wire products..	3496	20.7	20.3	8.0	8.7	12.7	11.5	129.7	120.4
Metal foil and leaf.....	3497	19.1	19.8	7.3	8.0	11.8	11.8	121.6	106.2
Fabricated pipe and fittings.....	3498	20.4	20.4	7.4	8.7	13.0	11.6	101.8	131.9
Fabricated metal products, n.e.c.....	3499	18.1	18.3	6.4	7.8	11.7	10.5	85.8	107.1
Machinery, except electrical.....	35	13.5	13.9	4.6	5.2	8.9	8.7	67.4	72.6
Engines and turbines.....	351	11.3	11.7	3.9	4.8	7.4	6.9	62.0	79.6
Turbines and turbine generator sets.....	3511	9.7	9.0	3.4	3.0	6.3	5.9	49.9	47.3
Internal combustion engines, n.e.c.....	3519	12.2	13.0	4.2	5.7	8.1	7.3	69.0	96.2
Farm and garden machinery.....	352	17.3	17.8	6.4	6.7	10.9	11.0	85.8	86.5
Farm machinery and equipment.....	3523	17.4	17.2	6.5	6.6	10.9	10.6	87.8	85.3
Lawn and garden equipment.....	3524	16.5	22.4	5.4	7.5	11.1	14.8	69.3	96.3
Construction and related machinery.....	353	16.6	18.1	6.5	7.6	10.1	10.4	95.4	104.1
Construction machinery.....	3531	15.9	16.7	6.2	7.3	9.7	9.4	89.1	94.5
Mining machinery.....	3532	19.8	21.3	7.4	7.8	12.4	13.5	107.9	115.6
Oil field machinery.....	3533	16.1	19.3	6.9	8.6	9.2	10.7	104.4	121.6
Elevators and moving stairways.....	3534	15.2	13.0	5.0	4.1	10.2	8.9	92.9	58.5
Conveyors and conveying equipment.....	3535	18.2	21.4	6.6	8.6	11.6	12.7	117.8	117.8
Hoists, cranes, and monorails.....	3536	20.2	17.5	7.4	7.0	12.7	10.5	127.8	109.6
Industrial trucks and tractors.....	3537	15.4	17.7	5.9	7.7	9.5	10.0	90.7	101.0
Metalworking machinery.....	354	13.6	13.7	3.9	4.4	9.7	9.3	60.6	64.3
Machine tools, metal cutting types.....	3541	13.2	12.7	3.9	4.4	9.3	8.3	66.8	67.8
Machine tools, metal forming types.....	3542	14.6	16.5	4.5	5.8	10.1	10.6	59.7	78.5
Special dies, tools, jigs, and fixtures.....	3544	13.6	14.2	3.8	4.2	9.8	10.0	59.5	62.3
Machine tool accessories.....	3545	13.0	12.6	3.9	4.2	9.1	8.4	57.6	53.1
Power driven hand tools.....	3546	12.9	12.3	3.3	3.7	9.5	8.6	47.1	62.6
Rolling mill machinery.....	3547	13.3	16.3	4.0	5.4	9.3	10.8	92.5	100.6
Metalworking machinery, n.e.c.....	3549	-	14.7	-	4.3	-	10.4	-	68.0
Special industry machinery.....	355	14.9	15.6	4.7	5.4	10.2	10.2	71.8	78.3
Food products machinery.....	3551	15.5	19.0	5.3	6.4	10.2	12.6	80.5	99.8
Textile machinery.....	3552	11.6	11.9	3.6	4.0	8.0	7.9	60.3	65.4
Woodworking machinery.....	3553	16.8	17.7	5.2	6.9	11.5	10.8	84.2	83.9
Paper industries machinery.....	3554	17.7	17.8	5.2	6.0	12.5	11.8	86.2	81.0
Printing trades machinery.....	3555	13.2	10.9	4.0	3.8	9.2	7.1	58.7	59.3
Special industry machinery, n.e.c.....	3559	15.9	16.9	5.0	5.9	10.9	10.9	70.9	78.5
General industrial machinery.....	356	14.8	14.7	5.0	5.4	9.8	9.3	71.7	75.6
Pumps and pumping equipment.....	3561	17.0	15.3	6.3	6.2	10.7	9.1	84.5	86.1
Bell and roller bearings.....	3562	9.9	10.0	3.7	3.5	6.2	6.5	55.8	55.3
Air and gas compressors.....	3563	12.8	12.6	4.1	4.5	8.7	8.1	75.0	71.6
Blowers and fans.....	3564	17.4	17.8	5.6	6.6	11.8	11.2	77.5	87.3
Industrial patterns.....	3565	13.1	12.1	3.1	3.4	9.9	8.7	45.1	33.1
Speed changers, drives, and gears.....	3566	18.4	18.9	5.6	6.6	12.8	12.3	83.3	88.5
Industrial furnaces and ovens.....	3567	17.4	18.3	5.1	6.1	12.3	12.2	79.1	84.5
Power transmission equipment, n.e.c.....	3568	13.8	15.3	5.1	5.9	8.7	9.3	74.9	87.5
General industrial machinery, n.e.c.....	3569	14.6	14.7	4.6	5.4	10.0	9.3	61.9	73.2
Office and computing machines.....	357	4.5	4.6	1.7	1.9	2.8	2.7	25.5	25.4
Electronic computing equipment.....	3573	3.7	4.2	1.5	1.8	2.2	2.4	22.2	23.8
Calculating and accounting machines.....	3574	-	4.1	-	1.4	-	2.6	-	23.3
Scales and balances, except laboratory..	3576	12.8	10.7	3.0	2.9	9.8	7.8	49.9	47.2
Office machines, n.e.c.....	3579	8.5	8.6	2.7	3.2	5.8	5.4	34.0	47.1

See footnotes at end of table.

**Table 5. Continued—Occupational injury incidence rates by industry, United States, 1977 and 1978<sup>1</sup>**

Industry 2/	SIC code 3/	Incidence rates per 100 full-time workers 4/							
		Total cases 5/		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
		1977	1978	1977	1978	1977	1978	1977	1978
Refrigeration and service machinery.....	358	15.6	16.5	5.0	6.2	10.6	10.3	73.4	82.9
Automatic merchandising machines.....	3581	21.1	24.4	6.6	8.6	14.5	15.8	81.2	94.1
Commercial laundry equipment.....	3582	19.0	22.4	5.1	6.6	13.9	15.8	78.4	88.0
Refrigeration and heating equipment.....	3585	14.7	15.4	4.9	6.0	9.8	9.4	72.4	81.3
Measuring and dispensing pumps.....	3586	18.7	17.8	5.9	6.4	12.8	11.4	105.6	93.3
Service industry machinery, n.e.c.....	3589	16.6	17.4	5.0	6.1	11.6	11.3	68.3	83.2
Miscellaneous machinery, except electrical.....	359	15.1	15.5	5.0	5.8	10.1	9.7	68.4	74.2
Carburetors, pistons, rings, valves.....	3592	13.0	10.3	5.1	4.7	7.9	5.6	74.9	66.4
Machinery, except electrical, n.e.c.....	3599	15.4	16.4	5.0	5.9	10.4	10.4	67.3	75.6
Electric and electronic equipment.....	36	8.0	8.1	2.8	3.1	5.2	5.0	42.9	46.5
Electric distributing equipment.....	361	11.0	10.8	3.4	3.8	7.6	7.0	50.1	55.7
Transformers.....	3612	12.6	12.0	4.1	4.4	8.4	7.6	59.7	63.4
Switchgear and switchboard apparatus.....	3613	9.7	9.8	2.9	3.4	6.8	6.4	42.0	48.7
Electrical industrial apparatus.....	362	9.8	9.7	3.4	3.7	6.4	6.0	55.7	61.4
Motors and generators.....	3621	10.3	10.4	3.6	4.2	6.7	6.2	63.0	71.3
Industrial controls.....	3622	8.4	7.9	2.9	2.7	5.5	5.2	39.9	41.4
Welding apparatus, electric.....	3623	13.6	14.3	4.3	5.2	9.3	9.1	62.1	67.0
Carbon and graphite products.....	3624	7.6	7.4	3.4	3.7	4.2	3.7	70.4	77.6
Electrical industrial apparatus, n.e.c.....	3629	8.5	7.4	2.5	2.5	6.0	4.9	33.8	38.2
Household appliances.....	363	12.7	11.8	4.0	4.2	8.6	7.5	55.5	64.9
Household cooking equipment.....	3631	18.8	16.8	6.4	6.7	12.4	10.1	99.7	108.1
Household refrigerators and freezers.....	3632	9.3	8.4	2.7	3.1	6.6	5.3	40.2	40.2
Household laundry equipment.....	3633	12.2	10.9	3.6	2.9	8.6	8.0	37.5	47.2
Electric housewares and fans.....	3634	12.0	10.6	3.8	3.6	8.2	7.0	44.1	51.2
Household vacuum cleaners.....	3635	6.8	7.9	3.0	3.6	3.8	4.2	59.7	80.8
Sewing machines.....	3636	10.9	7.9	1.9	1.6	9.0	6.2	42.9	27.9
Electric lighting and wiring equipment.....	364	10.6	11.2	3.6	4.1	7.0	7.1	59.4	65.7
Electric lamps.....	3641	5.7	6.8	1.6	2.1	4.1	4.7	29.8	35.3
Current-carrying wiring devices.....	3643	9.5	9.3	3.0	3.2	6.5	6.1	51.3	56.5
Noncurrent-carrying wiring devices.....	3644	19.1	20.6	8.2	8.4	10.9	12.2	118.9	125.9
Residential lighting fixtures.....	3645	13.3	13.4	4.1	5.2	9.2	8.2	67.2	63.3
Commercial lighting fixtures.....	3646	18.9	20.5	5.9	7.6	13.0	12.9	102.9	127.1
Vehicle lighting equipment.....	3647	5.7	6.3	1.9	2.5	3.8	3.8	32.5	46.2
Lighting equipment, n.e.c.....	3648	-	13.0	-	5.2	-	7.8	-	70.2
Radio and TV receiving equipment.....	365	8.3	8.5	2.9	3.3	5.3	5.2	43.2	49.2
Radio and TV receiving sets.....	3651	8.5	8.4	2.8	3.0	5.7	5.3	41.3	47.0
Phonograph records.....	3652	7.3	8.8	3.3	4.1	4.0	4.7	50.4	56.8
Communication equipment.....	366	4.3	4.7	1.6	1.8	2.7	2.8	27.2	30.4
Telephone and telegraph apparatus.....	3661	5.2	5.4	2.2	2.4	3.0	3.0	36.5	47.5
Radio and TV communication equipment.....	3662	3.9	4.3	1.4	1.6	2.5	2.7	23.1	22.9
Electronic components and accessories.....	367	6.4	7.0	2.2	2.5	4.2	4.5	32.6	31.7
Electron tubes, receiving type.....	3671	2.6	3.8	1.4	1.3	1.2	2.5	24.2	23.1
Cathode ray television picture tubes.....	3672	8.5	10.3	4.3	6.2	4.2	4.1	85.4	91.8
Electron tubes, transmitting.....	3673	7.4	6.9	2.0	2.0	5.4	4.8	28.2	35.1
Semiconductors and related devices.....	3674	4.5	5.5	1.7	2.0	2.8	3.5	27.8	25.7
Electronic capacitors.....	3675	5.8	5.5	1.9	1.9	3.9	3.6	34.4	23.2
Electronic resistors.....	3676	8.8	8.0	3.0	2.8	5.8	5.2	51.4	40.5
Electronic coils and transformers.....	3677	10.2	9.1	2.8	2.7	7.4	6.3	27.3	29.7
Electronic components, n.e.c.....	3679	7.4	8.1	2.3	2.7	5.1	5.4	31.3	33.6
Miscellaneous electrical equipment and supplies.....	369	9.0	8.8	3.7	3.8	5.3	5.0	56.0	56.6
Storage batteries.....	3691	18.2	16.5	8.8	9.1	9.4	7.3	140.0	149.1
Primary batteries, dry and wet.....	3692	-	5.9	-	1.6	-	4.3	-	25.0
X-ray apparatus and tubes.....	3693	5.3	5.3	1.6	1.6	3.6	3.6	23.0	22.4
Engine electrical equipment.....	3694	7.4	7.0	3.0	2.8	4.4	4.2	43.6	40.1
Electrical equipment and supplies, n.e.c.....	3699	8.2	13.7	3.3	5.9	4.9	7.8	48.0	67.9
Transportation equipment.....	37	11.2	11.0	4.8	5.0	6.4	6.0	76.1	74.7
Motor vehicles and equipment.....	371	11.0	10.8	4.6	4.9	6.4	5.9	66.1	69.1
Motor vehicles and car bodies.....	3711	8.9	7.7	3.9	3.8	5.0	3.9	50.5	47.1
Truck and bus bodies.....	3713	25.1	28.6	9.5	11.5	15.5	17.0	137.8	128.7
Motor vehicle parts and accessories.....	3714	10.7	10.8	4.5	4.9	6.2	5.9	69.0	77.6
Truck trailers.....	3715	27.2	26.0	11.0	11.5	16.2	14.4	160.3	171.8
Aircraft and parts.....	372	5.7	6.2	2.1	2.4	3.6	3.8	34.1	36.5
Aircraft.....	3721	4.4	4.6	1.6	1.8	2.8	2.8	28.4	30.8
Aircraft engines and engine parts.....	3724	5.9	6.8	2.4	3.0	3.4	3.8	37.9	42.2
Aircraft equipment, n.e.c.....	3728	9.5	10.6	3.2	3.6	6.3	7.0	46.7	47.0
Ship and boat building and repairing.....	373	21.2	19.8	10.4	10.5	10.8	9.3	199.0	192.5
Ship building and repairing.....	3731	20.2	19.2	10.7	10.7	9.5	8.5	214.4	208.3
Boat building and repairing.....	3732	25.0	21.9	9.5	9.7	15.5	12.1	141.3	133.8
Railroad equipment.....	374	19.1	19.2	7.6	9.0	11.5	10.2	159.4	142.1
Motorcycles, bicycles, and parts.....	375	15.0	15.7	4.7	5.6	10.3	10.1	73.1	68.3
Guided missiles, space vehicles, and parts.....	376	2.8	4.0	1.1	1.5	1.7	2.5	19.7	22.4
Guided missiles and space vehicles.....	3761	2.5	3.4	1.1	1.3	1.4	2.1	19.1	19.9
Space propulsion units and parts.....	3764	4.6	6.9	1.4	2.4	3.2	4.5	24.4	35.7
Space vehicle equipment, n.e.c.....	3769	-	4.4	-	1.7	-	2.8	-	23.6
Miscellaneous transportation equipment.....	379	25.2	23.3	9.9	9.5	15.3	13.8	127.9	101.1
Travel trailers and campers.....	3792	27.8	27.9	10.4	10.8	17.4	17.1	139.0	110.4
Tanks and tank components.....	3795	13.6	8.9	6.1	4.3	7.5	4.6	69.5	46.0
Transportation equipment, n.e.c.....	3799	24.1	19.7	11.2	9.4	12.9	10.3	129.6	117.1

See footnotes at end of table.



**Table 5. Continued—Occupational injury incidence rates by industry, United States, 1977 and 1978<sup>1</sup>**

Industry 2/	SIC code 3/	Incidence rates per 100 full-time workers 4/							
		Total cases 5/		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
		1977	1978	1977	1978	1977	1978	1977	1978
Instruments and related products.....	38	6.5	6.4	2.2	2.4	4.3	4.0	34.8	34.0
Engineering and scientific instruments....	381	6.0	5.9	1.9	2.0	4.1	3.9	30.7	26.5
Measuring and controlling devices.....	382	7.0	6.9	2.3	2.6	4.7	4.3	38.3	36.8
Environmental controls.....	3822	8.0	9.1	2.9	3.6	5.1	5.5	53.3	60.5
Process control instruments.....	3823	7.0	6.1	2.3	2.4	4.7	3.7	38.4	32.0
Fluid meters and counting devices.....	3824	10.7	11.8	3.4	4.1	7.3	7.7	50.9	53.3
Instruments to measure electricity.....	3825	5.4	4.7	1.9	1.9	3.5	2.8	28.5	24.0
Measuring and controlling devices, n.e.c.....	3829	8.0	8.3	2.2	2.4	5.7	5.9	30.1	29.4
Optical instruments and lenses.....	383	6.0	5.8	2.3	2.3	3.7	3.5	44.3	35.0
Medical instruments and supplies.....	384	7.2	7.2	2.3	2.7	4.8	4.4	34.1	37.5
Surgical and medical instruments.....	3841	6.7	6.7	2.0	2.4	4.7	4.2	27.4	36.8
Surgical appliances and supplies.....	3842	7.1	6.8	2.5	2.7	4.6	4.1	38.7	36.1
Dental equipment and supplies.....	3843	8.8	9.9	2.6	3.5	6.2	6.4	37.3	44.9
Ophthalmic goods.....	385	6.7	6.7	2.7	2.4	4.0	4.3	31.3	34.3
Photographic equipment and supplies.....	386	5.6	5.3	2.0	1.9	3.6	3.4	32.2	30.0
Watches, clocks, and watchcases.....	387	5.1	6.1	1.8	2.1	3.3	4.0	30.6	31.8
Miscellaneous manufacturing industries.....	39	10.9	11.3	3.8	4.3	7.1	7.0	56.0	63.0
Jewelry, silverware, and plated ware.....	391	5.6	5.9	2.1	2.4	3.5	3.5	30.7	40.0
Jewelry, precious metal.....	3911	4.1	4.6	1.3	1.5	2.8	3.1	14.9	23.9
Silverware and plated ware.....	3914	9.3	9.9	4.8	5.0	4.5	4.9	83.5	86.3
Jewelers' materials and lapidary work....	3915	-	6.2	-	2.3	-	3.8	-	46.3
Musical instruments.....	393	13.2	13.4	4.9	4.2	8.3	9.2	70.9	51.3
Toys and sporting goods.....	394	12.8	13.1	4.7	5.0	8.1	8.1	65.5	74.4
Dolls.....	3942	7.7	8.3	3.5	2.4	4.2	5.9	44.1	28.7
Games, toys, and children's vehicles....	3944	12.4	13.7	4.9	5.4	7.5	8.3	74.7	80.7
Sporting and athletic goods, n.e.c.....	3949	13.9	13.2	4.7	5.1	9.2	8.1	61.0	74.8
Pens, pencils, office and art supplies....	395	9.9	11.6	3.8	4.8	6.1	6.8	55.3	55.5
Pens and mechanical pencils.....	3951	7.5	8.9	2.8	3.6	4.7	5.3	41.4	43.3
Lead pencils and art goods.....	3952	13.8	15.3	5.5	6.4	8.3	8.9	69.0	69.5
Marking devices.....	3953	6.9	9.2	2.2	3.3	4.7	5.9	31.7	42.0
Carbon paper and inked ribbons.....	3955	13.3	15.0	5.7	7.5	7.6	7.4	101.3	80.9
Costume jewelry and notions.....	396	7.7	7.8	2.5	3.0	5.2	4.7	38.1	43.6
Costume jewelry.....	3961	5.9	5.3	2.1	2.2	3.8	3.1	31.5	31.0
Artificial flowers.....	3962	-	11.9	-	4.4	-	7.5	-	50.8
Buttons.....	3963	7.4	7.6	2.3	2.9	5.1	4.7	29.8	43.7
Needles, pins, and fasteners.....	3964	10.1	10.5	3.0	4.1	7.1	6.4	49.2	60.6
Miscellaneous manufactures.....	399	12.9	13.3	4.3	5.0	8.6	8.2	64.4	75.9
Brooms and brushes.....	3991	13.6	13.0	4.9	5.6	8.7	7.4	85.1	91.9
Signs and advertising displays.....	3993	14.0	14.3	4.4	5.1	9.6	9.2	64.1	78.4
Burial caskets.....	3995	15.8	16.7	4.5	5.5	11.3	11.2	74.3	63.1
Hard surface floor coverings.....	3996	11.5	10.4	5.1	5.4	6.4	5.0	66.1	116.3
Manufacturing industries, n.e.c.....	3999	11.2	12.0	3.8	4.6	7.3	7.4	54.7	63.6
Nondurable goods.....		11.3	11.4	4.5	4.9	6.8	6.5	73.5	76.3
Food and kindred products.....	20	18.7	18.7	8.1	8.6	10.6	10.1	125.0	128.4
Meat products.....	201	26.8	26.4	11.8	12.2	14.9	14.2	156.4	156.9
Meatpacking plants.....	2011	31.5	30.6	14.4	14.8	17.0	15.8	183.8	185.2
Sausages and other prepared meats....	2013	24.6	24.3	10.8	10.9	13.8	13.4	143.1	153.2
Poultry dressing plants.....	2016	20.4	21.2	8.2	9.0	12.2	12.2	120.0	115.2
Poultry and egg processing.....	2017	19.4	21.7	7.7	9.0	11.6	12.7	112.1	111.8
Dairy products.....	202	14.8	15.6	6.4	7.2	8.4	8.4	113.0	113.4
Creamery butter.....	2021	-	14.2	-	5.6	-	8.6	-	79.4
Cheese, natural and processed.....	2022	13.3	15.7	5.7	7.8	7.6	7.8	85.2	110.3
Condensed and evaporated milk.....	2023	12.0	12.9	5.3	6.0	6.7	6.9	92.7	89.7
Ice cream and frozen desserts.....	2024	16.6	15.4	7.1	7.3	9.5	8.0	119.7	106.6
Fluid milk.....	2026	15.2	15.9	6.6	7.2	8.6	8.7	120.9	119.5
Preserved fruits and vegetables.....	203	16.5	16.3	7.1	7.7	9.4	8.6	118.5	122.3
Canned specialties.....	2032	12.3	11.3	5.2	5.3	7.1	6.0	98.0	89.3
Canned fruits and vegetables.....	2033	17.1	18.5	6.9	8.3	10.2	10.2	110.8	121.4
Dehydrated fruits, vegetables, soups....	2034	17.1	16.6	8.3	9.0	8.8	7.6	133.9	135.7
Pickles, sauces, and salad dressings....	2035	16.7	15.3	7.7	6.6	9.0	8.7	110.1	142.5
Frozen fruits and vegetables.....	2037	19.2	18.2	8.7	9.3	10.4	8.9	158.1	146.5
Frozen specialties.....	2038	13.5	12.9	6.1	6.3	7.4	6.6	99.6	98.1
Grain mill products.....	204	14.6	14.7	6.4	6.8	8.2	7.9	112.4	124.6
Flour and other grain mill products....	2041	15.0	15.0	6.8	7.1	8.2	7.9	124.9	125.4
Cereal breakfast foods.....	2043	16.0	14.9	6.9	6.9	9.1	8.0	142.3	175.6
Rice milling.....	2044	17.7	17.5	8.9	9.0	8.8	8.5	164.6	213.8
Blended and prepared flour.....	2045	14.7	12.5	6.7	6.3	7.9	6.2	125.0	93.8
Wet corn milling.....	2046	10.2	10.1	5.4	4.0	4.8	6.1	85.4	71.0
Dog, cat, and other pet food.....	2047	17.1	17.0	7.1	8.1	10.0	8.9	124.0	165.1
Prepared feeds, n.e.c.....	2048	13.8	14.9	5.8	6.8	8.0	8.1	94.2	107.3
Bakery products.....	205	14.0	13.7	6.3	6.3	7.7	7.3	112.7	118.2
Bread, cake, and related products....	2051	14.2	13.6	6.4	6.3	7.8	7.3	111.8	114.9
Cookies and crackers.....	2052	13.0	13.8	5.6	6.4	7.4	7.4	117.3	134.0

See footnotes at end of table.

**Table 5. Continued—Occupational injury incidence rates by industry, United States, 1977 and 1978<sup>a</sup>**

Industry 2/	SIC code 3/	Incidence rates per 100 full-time workers 4/							
		Total cases 5/		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
		1977	1978	1977	1978	1977	1978	1977	1978
Sugar and confectionery products.....	206	14.5	14.5	6.5	7.0	8.0	7.5	102.9	102.6
Raw cane sugar.....	2061	19.6	25.0	8.6	11.5	10.9	13.5	127.9	133.7
Cane sugar refining.....	2062	12.7	11.7	5.5	6.7	7.2	5.0	107.5	163.2
Beet sugar.....	2063	20.0	21.3	10.5	12.0	9.4	9.2	129.4	121.5
Confectionery products.....	2065	13.2	12.9	5.8	5.8	7.4	7.1	92.9	87.3
Chocolate and cocoa products.....	2066	10.6	10.6	3.9	4.0	6.7	6.6	74.2	60.7
Chewing gum.....	2067	15.4	10.6	6.1	5.6	9.3	5.0	125.4	112.9
Fats and oils.....	207	21.3	19.8	8.9	9.0	12.4	10.8	137.5	143.2
Cottonseed oil mills.....	2074	19.8	17.8	8.4	7.9	11.3	9.9	159.7	164.2
Soybean oil mills.....	2075	17.1	16.2	6.6	7.7	10.5	8.5	129.3	125.9
Vegetable oil mills, n.e.c.....	2076	15.5	12.8	6.6	4.9	8.8	7.8	122.3	83.6
Animal and marine fats and oils.....	2077	24.1	26.1	11.4	12.6	12.7	13.5	162.8	177.7
Shortening and cooking oils.....	2079	22.9	17.9	8.5	7.4	14.3	10.5	104.8	114.5
Beverages.....	208	22.5	22.8	9.3	10.0	13.2	12.8	128.3	132.0
Malt beverages.....	2082	18.9	19.0	6.0	6.6	12.9	12.3	116.5	122.4
Malt.....	2083	-	26.8	-	16.6	-	10.2	-	248.8
Wines, brandy, and brandy spirits.....	2084	18.3	22.4	9.3	11.9	9.0	10.5	106.2	151.4
Distilled liquor, except brandy.....	2085	15.7	15.8	6.1	7.5	9.6	8.2	116.4	122.7
Bottled and canned soft drinks.....	2086	26.4	26.3	11.5	11.8	14.9	14.5	142.9	140.9
Flavoring extracts and syrups, n.e.c.....	2087	7.5	7.9	3.4	3.7	4.1	4.2	47.0	52.6
Miscellaneous foods and kindred products..	209	16.0	15.6	7.3	7.3	8.7	8.3	115.8	116.3
Canned and cured seafoods.....	2091	18.9	20.6	7.9	9.5	11.0	11.1	120.4	156.3
Fresh or frozen packaged fish.....	2092	19.6	18.5	8.9	9.3	10.7	9.2	107.1	140.6
Macaroni and spaghetti.....	2098	16.7	17.2	6.9	9.2	9.8	8.0	163.0	162.7
Food preparations, n.e.c.....	2099	14.5	14.3	6.6	6.4	7.9	7.9	106.2	100.9
Tobacco manufactures.....	21	9.0	8.5	3.8	4.0	5.2	4.5	66.0	57.6
Cigarettes.....	211	7.3	7.6	3.8	4.1	3.5	3.5	73.5	58.7
Cigars.....	212	8.6	6.7	2.6	2.6	6.0	4.1	52.1	41.3
Chewing and smoking tobacco.....	213	11.9	11.6	3.1	3.2	8.8	8.4	54.3	48.7
Tobacco stemming and redrying.....	214	14.8	13.5	4.9	5.0	9.9	8.4	60.6	68.7
Textile mill products.....	22	10.0	10.0	2.9	3.3	7.1	6.7	56.4	60.5
Weaving mills, cotton.....	221	-	7.6	-	1.9	-	5.7	-	48.0
Weaving mills, synthetics.....	222	7.9	7.5	1.9	2.2	6.0	5.3	44.6	44.8
Weaving and finishing mills, wool.....	223	12.6	14.4	5.4	6.4	7.2	8.0	95.4	111.4
Narrow fabric mills.....	224	10.5	10.7	3.3	4.1	7.2	6.6	57.4	61.8
Knitting mills.....	225	7.6	8.4	2.6	3.0	5.0	5.4	39.2	45.3
Women's hosiery, except socks.....	2251	4.3	4.9	1.6	1.9	2.7	3.0	21.0	31.5
Hosiery, n.e.c.....	2252	5.2	5.6	2.0	2.3	3.2	3.3	24.5	34.6
Knit outerwear mills.....	2253	6.4	7.4	2.1	2.5	4.3	4.8	33.1	35.0
Knit underwear mills.....	2254	8.6	9.2	3.0	3.5	5.6	5.7	34.8	48.2
Circular knit fabric mills.....	2257	11.1	11.9	4.0	4.4	7.1	7.5	70.4	70.1
Warp knit fabric mills.....	2258	10.1	12.0	2.6	3.5	7.5	8.4	44.3	60.7
Knitting mills, n.e.c.....	2259	12.6	13.8	5.7	7.2	6.8	6.6	90.5	63.8
Textile finishing, except wool.....	226	12.6	12.7	4.4	4.8	8.2	7.9	77.9	90.4
Finishing plants, cotton.....	2261	11.5	10.8	4.1	4.3	7.4	6.4	81.4	84.0
Finishing plants, synthetics.....	2262	13.8	13.5	4.9	5.1	8.8	8.4	76.6	94.8
Finishing plants, n.e.c.....	2269	12.9	15.2	4.0	5.1	8.9	10.1	73.2	96.3
Floor covering mills.....	227	12.4	13.7	3.4	4.2	9.0	9.5	75.3	73.4
Woven carpets and rugs.....	2271	11.9	9.8	2.8	3.4	9.1	6.4	56.1	65.5
Tufted carpets and rugs.....	2272	12.7	14.5	3.5	4.3	9.2	10.2	79.9	75.2
Carpets and rugs, n.e.c.....	2279	-	8.3	-	4.7	-	3.6	-	62.5
Yarn and thread mills.....	228	11.8	11.5	2.8	3.2	9.0	8.3	55.7	61.2
Yarn mills, except wool.....	2281	12.0	11.7	2.6	3.0	9.4	8.7	57.5	61.1
Throwing and winding mills.....	2282	10.9	10.8	2.7	3.3	8.2	7.5	41.8	48.4
Wool yarn mills.....	2283	13.1	14.8	4.9	5.4	8.1	9.4	83.1	101.0
Thread mills.....	2284	-	7.6	-	2.3	-	5.3	-	44.7
Miscellaneous textile goods.....	229	13.9	14.6	5.5	6.2	8.3	8.4	104.0	102.6
Felt goods, except woven felts and hats..	2291	18.2	22.4	7.0	10.5	11.2	11.9	135.9	162.3
Lace goods.....	2292	-	10.8	-	3.0	-	7.8	-	54.2
Paddings and upholstery filling.....	2293	18.6	18.3	8.7	9.8	9.9	8.4	152.1	174.5
Processed textile waste.....	2294	12.9	16.1	5.8	6.5	7.1	9.6	84.0	89.7
Coated fabrics, not rubberized.....	2295	14.8	15.5	6.6	6.4	8.2	9.1	134.4	123.6
Tire cord and fabric.....	2296	-	6.7	-	2.8	-	3.8	-	67.9
Nomwoven fabrics.....	2297	15.8	13.8	5.6	5.3	10.2	8.5	114.9	92.1
Cordage and twine.....	2298	14.6	14.7	5.3	6.1	9.3	8.6	89.5	86.8
Textile goods, n.e.c.....	2299	13.8	12.9	4.9	4.9	8.9	8.0	95.5	62.3
Apparel and other textile products.....	23	6.5	6.4	1.9	2.1	4.5	4.3	30.7	31.3
Men's and boys' suits and coats.....	231	6.4	6.3	2.3	2.3	4.1	3.9	35.1	36.6
Men's and boys' furnishings.....	232	8.1	7.5	2.5	2.6	5.6	4.9	38.5	39.1
Men's and boys' shirts and nightwear....	2321	5.9	5.7	1.7	2.0	4.2	3.7	23.6	26.8
Men's and boys' underwear.....	2322	7.2	7.9	2.3	2.7	4.9	5.2	35.8	41.2
Men's and boys' neckwear.....	2323	2.9	3.3	.7	.9	2.2	2.4	14.7	13.9
Men's and boys' separate trousers.....	2327	7.4	6.8	2.4	2.5	5.0	4.3	35.9	36.2
Men's and boys' work clothing.....	2328	11.4	10.0	3.7	3.7	7.6	6.3	63.9	59.0
Men's and boys' clothing, n.e.c.....	2329	8.2	8.0	2.2	2.4	5.9	5.6	29.9	36.6
Women's and misses' outerwear.....	233	4.6	4.7	1.2	1.3	3.4	3.4	20.6	16.9
Women's and misses' blouses and waists..	2331	4.1	4.6	1.0	1.0	3.1	3.6	18.1	13.6
Women's and misses' dresses.....	2335	3.2	3.3	.8	.9	2.3	2.4	11.2	10.9
Women's and misses' suits and coats.....	2337	-	4.5	-	1.3	-	3.2	-	18.3
Women's and misses' outerwear, n.e.c.....	2339	6.1	6.4	1.6	1.9	4.5	4.5	27.9	24.2

See footnotes at end of table.

**Table 5. Continued—Occupational injury incidence rates by industry, United States, 1977 and 1978<sup>1</sup>**

Industry 2/	SIC code 3/	Incidence rates per 100 full-time workers 4/							
		Total cases 5/		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
		1977	1978	1977	1978	1977	1978	1977	1978
Women's and children's undergarments.....	234	5.7	6.0	1.5	1.7	4.2	4.3	21.2	30.0
Women's and children's underwear.....	2341	6.0	6.1	1.6	1.7	4.4	4.4	21.7	30.1
Brassieres and allied garments.....	2342	4.6	5.4	1.2	1.7	3.4	3.7	19.4	29.3
Hats, caps, and millinery.....	235	6.5	7.3	1.9	2.6	4.5	4.6	30.5	31.4
Millinery.....	2351	-	4.4	-	.9	-	3.5	-	10.3
Children's outerwear.....	236	5.7	5.1	1.6	1.8	4.1	3.3	22.9	28.6
Children's dresses and blouses.....	2361	5.6	4.3	1.3	1.2	4.3	3.1	16.1	20.0
Children's outerwear, n.e.c.....	2369	5.9	5.2	1.8	2.0	4.0	3.2	29.1	31.9
Miscellaneous apparel and accessories.....	238	5.9	6.3	2.0	2.1	3.9	4.2	31.4	31.1
Fabric dress and work gloves.....	2381	6.1	5.2	2.3	2.2	3.7	3.0	42.5	37.2
Robes and dressing gowns.....	2384	5.5	5.7	1.9	1.5	3.6	4.2	32.3	24.3
Waterproof outer garments.....	2385	6.0	6.9	1.8	1.9	4.2	5.0	28.9	33.4
Leather and sheep lined clothing.....	2386	-	5.6	-	2.5	-	3.1	-	35.3
Apparel belts.....	2387	7.3	8.1	2.0	2.5	5.3	5.6	29.0	30.7
Apparel and accessories, n.e.c.....	2389	4.5	6.5	1.4	2.4	3.1	4.1	23.3	22.8
Miscellaneous fabricated textile products.....	239	8.4	8.6	2.7	3.2	5.7	5.4	43.3	46.7
Curtains and draperies.....	2391	6.9	8.4	2.2	3.2	4.7	5.2	38.7	49.8
House furnishings, n.e.c.....	2392	7.7	9.6	2.8	3.5	6.9	6.1	43.6	45.8
Textile bags.....	2393	13.6	11.6	4.5	4.4	9.1	7.2	62.6	88.8
Canvas and related products.....	2394	10.6	10.6	3.9	3.8	6.7	6.8	42.8	58.1
Plaiting and stitching.....	2395	4.6	6.1	1.9	2.5	2.7	3.6	27.3	35.4
Automotive and apparel trimmings.....	2396	6.8	6.3	2.4	2.3	4.4	4.0	34.3	35.4
Schiffli machine embroideries.....	2397	9.0	6.2	2.7	2.8	6.3	3.4	32.5	48.8
Fabricated textile products, n.e.c.....	2399	9.3	9.5	2.9	3.3	6.4	6.2	37.0	46.5
Paper and allied products.....	26	13.3	13.3	4.9	5.6	8.3	7.7	99.6	101.5
Pulp mills.....	261	12.3	10.5	3.0	3.4	9.2	7.1	83.0	81.5
Paper mills, except building paper.....	262	10.2	10.0	3.9	4.5	6.3	5.5	103.2	103.3
Paperboard mills.....	263	13.2	12.0	4.9	4.8	8.3	7.2	109.5	105.8
Miscellaneous converted paper products.....	264	13.6	13.8	5.1	5.7	8.5	8.0	87.1	88.7
Paper coating and glazing.....	2641	12.2	10.5	4.4	4.3	7.8	6.2	72.0	66.8
Envelopes.....	2642	16.5	16.6	6.6	6.6	9.9	10.0	105.2	100.0
Bags, except textile bags.....	2643	15.7	16.0	5.6	6.6	10.1	9.3	99.0	96.9
Die-cut paper and board.....	2645	12.5	13.2	5.2	6.0	7.3	7.2	68.0	89.5
Pressed and molded pulp goods.....	2646	15.9	17.8	7.8	7.4	8.1	10.4	137.0	136.5
Sanitary paper products.....	2647	9.5	10.0	3.0	3.8	6.4	6.2	58.2	81.3
Stationery products.....	2648	16.6	15.7	6.3	6.4	10.2	9.3	105.2	83.8
Converted paper products, n.e.c.....	2649	13.8	16.2	5.3	7.1	8.5	9.0	103.6	104.9
Paperboard containers and boxes.....	265	15.7	16.2	5.8	6.7	9.9	9.5	104.2	112.6
Folding paperboard boxes.....	2651	14.2	15.4	5.0	6.2	9.1	9.2	88.8	96.8
Set-up paperboard boxes.....	2652	13.3	12.8	5.2	5.1	8.1	7.6	82.1	89.2
Corrugated and solid fiber boxes.....	2653	17.9	18.3	6.6	7.7	11.3	10.6	121.4	126.9
Sanitary food containers.....	2654	11.0	12.2	4.3	5.4	6.7	6.8	80.2	102.4
Fiber cans, drums, and similar products.....	2655	16.0	15.3	5.8	5.9	10.2	9.4	96.8	98.4
Building paper and board mills.....	266	13.4	13.1	5.7	5.6	7.6	7.5	144.1	104.6
Printing and publishing.....	27	6.6	6.9	2.6	2.9	4.0	4.0	40.2	42.8
Newspapers.....	271	5.2	5.8	2.3	2.6	2.9	3.2	41.4	43.2
Periodicals.....	272	2.6	2.8	1.0	1.1	1.6	1.7	13.1	16.8
Books.....	273	7.1	7.0	2.5	2.6	4.6	4.4	33.2	35.2
Book publishing.....	2731	4.6	4.7	1.7	1.9	2.9	2.8	19.8	23.5
Book printing.....	2732	12.2	12.1	4.2	4.1	7.9	8.0	60.9	60.6
Miscellaneous publishing.....	274	3.1	2.6	1.4	1.2	1.7	1.4	21.6	18.5
Commercial printing.....	275	8.2	8.5	3.1	3.5	5.0	5.0	45.8	51.7
Commercial printing, letterpress.....	2751	7.3	7.6	2.9	3.2	4.4	4.3	45.1	49.3
Commercial printing, lithographic.....	2752	8.4	9.0	3.1	3.6	5.3	5.4	42.7	51.3
Engraving and plate printing.....	2753	7.2	7.8	2.7	2.7	4.5	5.1	43.5	55.0
Commercial printing, gravure.....	2754	17.0	15.5	8.5	8.1	8.5	7.4	110.5	92.9
Manifold business forms.....	276	11.2	11.5	4.6	4.9	6.6	6.6	68.7	57.2
Greeting card publishing.....	277	6.8	6.3	2.5	2.6	4.3	3.7	34.6	31.9
Blankbooks and bookbinding.....	278	10.8	10.7	4.2	4.2	6.6	6.5	54.7	57.9
Blankbooks and looseleaf binders.....	2782	10.0	10.4	3.9	4.2	6.1	6.1	47.1	52.1
Bookbinding and related work.....	2789	11.9	11.3	4.6	4.0	7.3	7.3	66.0	67.0
Printing trade services.....	279	2.7	2.4	.8	.9	1.9	1.5	13.3	13.8
Typesetting.....	2791	1.7	1.6	.6	.6	1.1	1.0	9.0	10.8
Photoengraving.....	2793	4.3	3.2	1.3	1.2	3.0	1.9	28.4	14.0
Electrotyping and stereotyping.....	2794	-	5.4	-	1.5	-	3.9	-	17.0
Lithographic platemaking services.....	2795	-	4.2	-	1.4	-	2.8	-	24.9
Chemicals and allied products.....	28	7.3	7.2	2.9	3.1	4.4	4.1	48.0	48.9
Industrial inorganic chemicals.....	281	6.2	5.8	2.4	2.4	3.8	3.3	49.9	48.4
Alkalies and chlorine.....	2812	4.9	4.9	2.2	2.3	2.7	2.6	50.8	54.3
Inorganic pigments.....	2816	10.2	9.5	4.2	4.5	6.0	5.0	89.9	81.3
Industrial inorganic chemicals, n.e.c.....	2819	5.8	5.5	2.2	2.1	3.6	3.4	43.7	40.0
Plastics materials and synthetics.....	282	5.5	5.3	2.0	2.2	3.4	3.1	35.7	34.7
Plastics materials and resins.....	2821	8.5	7.9	3.3	3.5	5.2	4.4	52.0	51.4
Synthetic rubber.....	2822	9.3	9.9	4.3	4.5	5.0	5.4	66.5	60.7
Organic fibers, noncellulosic.....	2824	2.7	2.4	.8	.7	1.9	1.7	20.0	17.6

See footnotes at end of table.

**Table 5. Continued—Occupational injury incidence rates by industry, United States, 1977 and 1978<sup>1</sup>**

Industry <sup>2/</sup>	SIC code <sup>3/</sup>	Incidence rates per 100 full-time workers <sup>4/</sup>							
		Total cases <sup>5/</sup>		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
		1977	1978	1977	1978	1977	1978	1977	1978
Drugs.....	283	5.6	6.1	2.5	2.8	3.1	3.3	36.5	39.5
Biological products.....	2831	5.1	6.0	2.2	2.9	2.9	3.0	37.2	46.2
Medicinals and botanicals.....	2833	6.9	6.5	2.8	3.7	4.1	2.8	43.5	57.2
Pharmaceutical preparations.....	2834	5.6	6.1	2.5	2.7	3.1	3.4	35.6	36.4
Soap, cleaners, and toilet goods.....	284	9.3	9.3	3.7	4.3	5.6	4.9	56.1	64.5
Soap and other detergents.....	2841	9.3	8.2	4.1	4.4	5.2	3.8	64.1	67.5
Polishes and sanitation goods.....	2842	10.9	12.1	3.6	5.0	7.3	7.1	55.8	72.9
Surface active agents.....	2843	13.6	13.4	5.5	5.8	8.1	7.6	61.0	78.2
Toilet preparations.....	2844	7.9	7.9	3.2	3.7	4.6	4.1	49.4	56.1
Paints and allied products.....	285	12.6	13.6	5.0	5.9	7.6	7.7	69.6	77.3
Industrial organic chemicals.....	286	5.8	5.6	2.3	2.3	3.5	3.3	41.8	39.1
Gum and wood chemicals.....	2861	9.9	8.7	4.6	3.8	5.2	4.9	107.4	62.4
Cyclic crudes and intermediates.....	2865	6.4	8.8	3.3	3.4	5.1	5.4	64.5	60.8
Industrial organic chemicals, n.e.c.....	2869	4.8	4.4	1.9	1.9	2.9	2.5	31.0	31.6
Agricultural chemicals.....	287	9.5	8.6	3.3	3.3	6.2	5.2	54.8	54.8
Nitrogenous fertilizers.....	2873	9.5	7.4	3.0	2.8	6.5	4.5	53.2	42.3
Phosphate fertilizers.....	2874	9.1	8.0	2.2	2.7	6.9	5.3	57.5	60.0
Fertilizers, mixing only.....	2875	13.0	13.0	5.0	4.6	7.9	8.4	71.6	78.7
Agricultural chemicals, n.e.c.....	2879	7.5	7.0	3.2	3.2	4.3	3.8	43.2	46.0
Miscellaneous chemical products.....	289	12.0	11.0	4.6	4.9	7.4	6.1	77.6	71.8
Adhesives and sealants.....	2891	15.3	13.2	5.7	5.6	9.6	7.6	100.4	80.0
Explosives.....	2892	5.5	5.3	2.2	2.3	3.3	3.1	32.1	51.9
Printing ink.....	2893	12.3	12.8	4.3	5.2	8.0	7.5	63.6	70.0
Carbon black.....	2895	9.7	7.2	3.3	4.3	6.4	2.9	86.9	86.5
Chemical preparations, n.e.c.....	2899	13.3	11.8	5.3	5.4	7.9	6.4	84.6	73.9
Petroleum and coal products.....	29	7.8	7.7	3.2	3.3	4.6	4.3	57.9	57.2
Petroleum refining.....	291	5.5	5.7	2.5	2.6	3.0	3.1	44.3	45.0
Paving and roofing materials.....	295	15.3	14.0	5.2	5.6	10.1	8.4	100.2	104.0
Paving mixtures and blocks.....	2951	11.5	10.8	4.0	3.9	7.4	6.8	78.4	69.5
Asphalt felts and coatings.....	2952	17.5	15.9	5.9	6.5	11.6	9.4	112.4	124.3
Miscellaneous petroleum and coal products.....	299	17.3	16.2	7.0	7.0	10.3	9.2	137.8	90.9
Lubricating oils and greases.....	2992	15.2	13.2	6.1	5.8	9.1	7.4	99.4	77.5
Petroleum and coal products, n.e.c.....	2999	24.6	27.2	9.8	11.4	14.8	15.7	224.6	140.9
Rubber and miscellaneous plastics products..	30	16.1	16.6	7.4	7.9	8.7	8.7	112.9	121.7
Tires and inner tubes.....	301	15.1	15.0	10.5	11.2	4.5	3.7	169.4	196.7
Rubber and plastics footwear.....	302	10.0	12.1	4.0	6.2	6.0	5.8	73.7	78.1
Reclaimed rubber.....	303	20.4	30.5	10.2	17.4	10.1	13.1	237.0	373.3
Rubber and plastics hose and belting.....	304	12.6	13.5	6.8	6.8	5.8	6.7	117.4	115.3
Fabricated rubber products, n.e.c.....	306	16.7	16.4	7.8	8.0	8.9	8.4	124.6	122.9
Miscellaneous plastics products.....	307	16.8	17.5	6.4	7.0	10.4	10.5	92.5	102.0
Leather and leather products.....	31	10.8	11.0	4.1	4.5	6.7	6.5	65.1	68.9
Leather tanning and finishing.....	311	21.8	21.8	10.5	11.1	11.3	10.6	157.1	194.6
Boot and shoe cut stock and findings.....	313	13.8	15.5	4.7	5.8	9.1	9.7	72.3	92.2
Footwear, except rubber.....	314	9.8	9.8	3.6	3.9	6.2	5.9	60.1	59.3
Hose slippers.....	3142	9.8	8.7	3.4	3.9	6.4	4.8	50.4	63.4
Men's footwear, except athletic.....	3143	9.7	10.5	3.9	4.3	5.8	6.2	58.4	58.9
Women's footwear, except athletic.....	3144	9.5	9.1	3.5	3.5	6.0	5.6	67.0	59.1
Footwear, except rubber, n.e.c.....	3149	11.0	10.2	3.1	3.7	7.9	6.5	49.3	59.9
Leather gloves and mittens.....	315	6.1	5.4	2.1	2.4	4.0	3.0	27.9	23.2
Luggage.....	316	11.6	10.8	4.5	4.3	7.1	6.5	63.1	48.5
Handbags and personal leather goods.....	317	7.4	8.8	2.3	2.8	5.1	6.0	32.7	37.0
Women's handbags and purses.....	3171	6.3	7.7	1.7	2.0	4.6	5.7	21.7	31.2
Personal leather goods, n.e.c.....	3172	8.9	9.8	3.1	3.6	5.8	6.2	46.9	42.9
Transportation and public utilities.....		9.5	9.9	5.2	5.7	4.2	4.2	95.0	101.3
Railroad transportation <sup>7/</sup> .....	40	10.5	11.7	6.5	7.5	4.0	4.2	88.3	98.5
Local and interurban passenger transit.....	41	8.3	8.7	4.6	4.7	3.7	4.0	91.5	84.2
Trucking and warehousing.....	42	14.9	16.1	8.3	9.3	6.5	6.7	157.9	176.0
Trucking, local and long distance.....	421	14.8	16.1	8.4	9.5	6.3	6.6	161.6	180.9
Public warehousing.....	422	16.3	15.2	6.9	7.4	9.4	7.8	103.1	104.5
Trucking terminal facilities.....	423	-	17.9	-	9.5	-	8.3	-	176.4
Water transportation.....	44	14.2	14.1	7.3	7.7	6.8	6.4	289.7	268.9
Water transportation services.....	446	20.9	21.5	11.0	12.1	9.8	9.4	470.7	454.0
Transportation by air.....	45	13.5	12.9	7.7	8.1	5.8	4.8	95.2	93.7
Pipelines, except natural gas.....	46	4.7	4.6	1.9	1.9	2.8	2.7	31.1	29.2
Transportation services.....	47	5.4	5.5	2.5	2.7	2.9	2.7	39.3	41.4
Miscellaneous transportation services.....	478	19.2	17.8	8.4	7.6	10.7	10.1	126.1	119.4
Communication.....	48	2.7	2.6	1.6	1.5	1.1	1.1	30.0	28.2
Electric, gas, and sanitary services.....	49	8.7	8.8	4.0	4.3	4.6	4.5	67.0	76.0
Sanitary services.....	495	23.5	25.8	13.4	15.0	10.1	10.7	203.4	222.4

See footnotes at end of table.

**Table 5. Continued—Occupational injury incidence rates by industry, United States, 1977 and 1978<sup>1</sup>**

Industry <sup>2/</sup>	SIC code <sup>3/</sup>	Incidence rates per 100 full-time workers <sup>4/</sup>							
		Total cases <sup>5/</sup>		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
		1977	1978	1977	1978	1977	1978	1977	1978
Wholesale and retail trade.....		7.6	7.8	2.9	3.1	4.7	4.7	43.5	44.3
Wholesale trade.....		8.4	8.8	3.5	3.9	4.8	4.9	51.9	56.8
Wholesale trade--durable goods.....	50	8.1	8.5	3.2	3.5	4.9	5.0	43.4	51.0
Wholesale trade--nondurable goods.....	51	8.7	9.2	4.0	4.4	4.7	4.8	63.6	65.2
Retail trade.....		7.3	7.4	2.6	2.8	4.7	4.6	40.0	39.1
Building materials and garden supplies....	52	9.3	9.7	3.7	4.1	5.6	5.5	60.9	60.2
General merchandise stores.....	53	8.7	9.0	3.2	3.7	5.4	5.3	44.8	48.0
Food stores.....	54	11.3	10.6	4.4	4.2	6.9	6.4	70.8	66.5
Automotive dealers and service stations...	55	7.7	7.9	2.5	2.5	5.2	5.4	40.0	38.0
Apparel and accessory stores.....	56	1.9	2.2	.7	.9	1.2	1.3	13.5	14.7
Furniture and home furnishings stores.....	57	4.9	5.0	2.1	2.4	2.8	2.6	41.7	37.9
Eating and drinking places.....	58	7.2	7.4	2.4	2.5	4.8	4.9	29.7	28.1
Miscellaneous retail.....	59	3.5	3.7	1.2	1.6	2.2	2.1	22.2	23.5
Finance, insurance, and real estate.....		1.9	2.0	.8	.8	1.1	1.2	10.2	12.1
Banking.....	60	1.5	1.5	.6	.6	.9	.9	6.5	6.9
Credit agencies other than banks.....	61	1.1	1.1	.3	.4	.7	.7	4.0	5.1
Security, commodity brokers, and services...	62	1.1	.8	.5	.3	.6	.5	4.0	4.5
Insurance carriers.....	63	1.7	1.9	.7	.7	1.0	1.2	8.4	11.8
Insurance agents, brokers and service.....	64	.6	.8	.2	.3	.4	.4	5.1	-
Real estate.....	65	4.5	4.7	1.9	2.1	2.5	2.5	28.2	32.6
Services.....		5.3	5.3	2.2	2.3	3.1	3.0	34.2	35.4
Hotels and other lodging places.....	70	8.6	9.0	3.1	3.5	5.5	5.5	46.4	50.8
Personal services.....	72	3.5	3.4	1.5	1.5	2.0	1.9	29.5	26.0
Business services.....	73	4.7	4.8	1.9	2.2	2.7	2.6	31.3	34.5
Auto repair, services, and garages.....	75	7.4	8.1	3.0	3.4	4.4	4.7	42.4	41.7
Miscellaneous repair services.....	76	10.0	9.7	4.1	4.4	5.9	5.3	71.4	68.5
Miscellaneous repair shops.....	769	12.5	12.0	5.2	5.3	7.2	6.7	86.8	79.2
Motion pictures.....	78	-	4.1	-	1.3	-	2.8	-	25.4
Amusement and recreation services.....	79	9.7	8.0	4.9	3.6	4.8	4.4	55.7	44.8
Health services.....	80	6.6	6.6	2.7	3.0	3.9	3.6	44.8	46.9
Educational services.....	82	3.0	3.1	1.1	1.2	1.9	1.9	19.3	19.0
Social services.....	83	5.3	5.8	2.0	2.5	3.3	3.3	29.4	36.8
Museums, botanical and zoological gardens.....	84	7.3	7.1	2.6	2.6	4.7	4.4	40.5	34.6
Miscellaneous services.....	89	2.0	1.8	.8	.7	1.1	1.1	14.8	10.0

<sup>1</sup> In order to maintain the comparability of the 1978 survey data with the data published in previous years, a statistical method was developed for generating the 1978 estimates to represent the small nonfarm employers in low-risk industries which were not surveyed. The estimating procedure involved averaging the data reported by small employers for the 1975, 1976, and 1977 annual surveys.

<sup>2</sup> Totals for divisions and 2- and 3-digit SIC codes include data for industries not shown separately.

<sup>3</sup> Standard Industrial Classification Manual, 1972 Edition.

<sup>4</sup> The incidence rates represent the number of injuries or lost workdays per 100 full-time workers and were calculated as: (N/EH) X 200,000, where

N = number of injuries or lost workdays  
 EH = total hours worked by all employees during calendar year  
 200,000 = base for 100 full-time equivalent workers (working 40 hours per week, 50 weeks per year).

<sup>5</sup> Includes fatalities. Because of rounding, the difference between the total and the sum of the rates for lost workday cases and nonfatal cases without lost workdays does not reflect the fatality rate.

<sup>6</sup> Excludes farms with fewer than 11 employees.

<sup>7</sup> Data conforming to the OSHA definitions for coal and lignite mining (SIC 11 and 12) and metal and nonmetal mining (SIC 10 and 14), and for railroad transportation (SIC 40) were provided by the Mine Safety and Health Administration, U.S. Department of Labor, and the Federal Railroad Administration, U.S. Department of Transportation.

NOTE: Dashes indicate that data do not meet publication guidelines.  
 n.e.c. = not elsewhere classified.

SOURCE: Bureau of Labor Statistics, U.S. Department of Labor.

**Table 6. Occupational injury incidence rates by industry division and employment size, United States, 1977 and 1978**

Industry division	Incidence rates per 100 full-time workers <sup>1/</sup>															
	1 to 19 employees		20 to 49 employees		50 to 99 employees		100 to 249 employees		250 to 499 employees		500 to 999 employees		1,000 to 2,499 employees		2,500 employees or more	
	1977	1978 <sup>2/</sup>	1977	1978	1977	1978	1977	1978	1977	1978	1977	1978	1977	1978	1977	1978
Private sector <sup>3/</sup> .....	3.9	4.0	8.8	9.0	11.8	11.6	12.8	12.8	12.3	12.2	10.3	10.4	8.6	8.6	6.9	6.9
Agriculture, forestry, and fishing <sup>3/</sup> .....	6.7	6.5	10.3	10.4	13.4	13.5	14.3	14.6	15.1	16.5	11.9	14.0	22.8	21.7	-	-
Mining.....	6.6	7.5	12.8	12.5	14.2	13.4	12.2	12.8	10.7	12.8	11.0	9.5	5.6	8.4	.4	.9
Construction.....	9.2	9.4	17.9	17.9	20.9	21.3	20.8	21.1	19.4	20.7	17.6	18.3	16.7	17.4	6.2	6.2
Manufacturing.....	8.6	8.5	14.6	14.8	17.3	17.7	17.5	17.8	14.8	15.2	11.6	11.9	8.9	9.0	6.9	6.6
Transportation and public utilities.....	4.8	6.4	10.5	10.5	12.7	12.5	9.7	10.2	10.4	10.0	9.7	10.4	9.0	9.2	9.4	9.9
Wholesale and retail trade.....	3.2	3.2	7.6	8.0	10.8	10.2	12.0	11.8	12.7	11.3	11.2	11.3	11.8	10.9	8.6	10.0
Wholesale trade.....	4.3	4.5	8.7	9.0	12.1	11.4	11.7	12.6	12.2	11.8	11.8	10.8	6.9	7.1	.8	1.3
Retail trade.....	2.7	2.6	7.0	7.5	10.2	9.7	12.1	11.3	12.9	11.1	11.0	11.5	12.8	11.6	8.9	10.2
Finance, insurance, and real estate.....	1.1	1.3	1.7	1.7	2.1	2.1	2.4	2.6	2.7	2.8	2.7	2.5	2.5	2.3	1.8	2.1
Services.....	2.1	1.8	3.8	3.6	6.5	6.0	7.8	7.5	7.8	7.8	7.6	7.6	7.5	7.5	5.7	5.6

The incidence rates represent the number of injuries per 100 full-time workers and were calculated as: (N/EH) X 200,000, where

N = number of injuries  
 EH = total hours worked by all employees during calendar year  
 200,000 = base for 100 full-time equivalent workers (working 40 hours per week, 50 weeks per year).

<sup>2</sup> In order to maintain the comparability of the 1978 survey data with the data published in previous

years, a statistical method was developed for generating the 1978 estimates to represent the small nonfarm employers in low-risk industries which were not surveyed. The estimating procedure involved averaging the data reported by small employers for the 1975, 1976, and 1977 annual surveys.

<sup>3</sup> Excludes farms with fewer than 11 employees.

NOTE: Dashes indicate that data were not reported or that data do not meet publication guidelines.

SOURCE: Bureau of Labor Statistics, U.S. Department of Labor.

**Table 7. Occupational injury incidence rates for lost workday cases by industry division, United States, 1977 and 1978<sup>1</sup>**

Industry division	Incidence rates per 100 full-time workers <sup>2/</sup>											
	Lost workday injuries						Lost workdays					
	Total cases		Cases involving days away from work <sup>3/</sup>		Cases involving days of restricted work activity only		Total lost workdays		Number of days away from work		Number of days of restricted work activity <sup>4/</sup>	
	1977	1978	1977	1978	1977	1978	1977	1978	1977	1978	1977	1978
Private sector <sup>5/</sup> .....	3.7	4.0	3.5	3.7	0.2	0.3	60.0	62.1	56.0	57.4	4.0	4.7
Agriculture, forestry, and fishing <sup>5/</sup> .....	4.8	5.2	4.7	5.1	.1	.1	78.8	78.3	75.2	74.2	3.7	4.1
Mining.....	5.9	6.4	5.7	6.0	.2	.4	128.3	142.3	125.7	134.5	2.6	7.8
Construction.....	5.8	6.3	5.7	6.2	.1	.1	109.7	108.1	106.0	103.3	3.7	4.8
Manufacturing.....	4.9	5.4	4.5	4.9	.4	.5	79.3	82.3	72.3	74.2	7.0	8.1
Transportation and public utilities.....	5.2	5.7	4.8	5.2	.4	.4	95.0	101.3	86.9	93.1	8.1	8.3
Wholesale and retail trade.....	2.9	3.1	2.8	3.0	.1	.1	43.5	44.3	41.3	41.6	2.1	2.7
Wholesale trade.....	3.5	3.9	3.4	3.7	.1	.2	51.9	56.8	49.0	52.8	2.9	4.0
Retail trade.....	2.6	2.8	2.6	2.7	(6)	.1	40.0	39.1	38.2	37.0	1.8	2.1
Finance, insurance, and real estate.....	.8	.8	.8	.8	(6)	(6)	10.2	12.1	9.6	11.3	.6	.8
Services.....	2.2	2.3	2.1	2.2	(6)	.1	34.2	35.4	32.7	33.5	1.5	1.9

<sup>1</sup> In order to maintain the comparability of the 1978 survey data with the data published in previous years, a statistical method was developed for generating the 1978 estimates to represent the small nonfarm employers in low-risk industries which were not surveyed. The estimating procedure involved averaging the data reported by small employers for the 1975, 1976, and 1977 annual surveys.

<sup>2</sup> The incidence rates represent the number of injuries or lost workdays per 100 full-time workers and were calculated as: (N/EH) X 200,000, where,

N = number of injuries or lost workdays  
 EH = total hours worked by all employees during the calendar year  
 200,000 = base for 100 full-time equivalent workers (working 40 hours per week, 50 weeks per year).

<sup>3</sup> Also includes cases which involved both days away from work and days of restricted work activity.

<sup>4</sup> The number of days of restricted work activity include those resulting from cases involving restricted work activity only and days resulting from cases involving days away from work and days of restricted work activity.

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

<sup>6</sup> Incidence rates less than .05.

SOURCE: Bureau of Labor Statistics, U.S. Department of Labor.

**Table 8. Percent of occupational injury and illness fatalities for employers with 11 or more employees by industry division and cause, private sector, United States, 1978**

Cause <sup>1/</sup>	Total <sup>2/</sup>	Agriculture, forestry, and fishing	Mining--oil and gas extraction only	Construction	Manufacturing	Transportation and public utilities <sup>3/</sup>	Wholesale and retail trade	Finance, insurance, and real estate	Services
Total - all causes.....	100	100	100	100	100	100	100	100	100
Over-the-road motor vehicles.....	29	32	19	16	19	49	33	74	26
Falls.....	13	5	15	29	9	4	13	1	8
Industrial vehicles and equipment.....	9	21	31	13	12	3	5	0	3
Heart attacks.....	9	5	1	8	6	5	23	8	17
Electrocutions.....	7	13	7	10	6	10	1	4	2
Aircraft crashes.....	7	8	12	2	2	18	1	0	22
Struck by objects other than vehicles or equipment.....	5	2	2	6	10	2	(4)	0	6
Caught in, under, or between objects other than vehicles or equipment.....	4	8	0	9	5	1	(4)	0	1
Explosions.....	4	0	3	3	6	1	3	7	7
Plant machinery operations.....	3	0	2	(4)	9	1	1	0	1
Fires.....	3	0	3	2	5	1	1	0	0
Gas inhalations.....	3	2	1	1	6	1	2	0	2
Gunshots.....	3	0	0	0	1	1	16	3	2
All other.....	2	4	5	1	4	3	1	4	4

<sup>1</sup> Cause is defined as the object or event associated with the fatality.

<sup>2</sup> Excludes coal, metal and nonmetal mining, and railroads, for which data are not available.

<sup>3</sup> Excludes railroads.

<sup>4</sup> Less than 1 percent.

NOTE: Percentages may not add to 100 due to rounding.

SOURCE: Bureau of Labor Statistics, U. S. Department of Labor.

**Table 9. Occupational illness incidence rates by industry division and extent of case, United States, 1977 and 1978**

Industry division	Incidence rates per 1,000 full-time workers <sup>1/</sup>							
	Total cases		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
	1977	1978	1977	1978	1977	1978	1977	1978
Private sector.....	2.8	2.3	1.0	0.9	1.8	1.4	15.4	13.7
Agriculture, forestry, and fishing.....	7.4	5.9	2.5	2.0	4.9	3.8	23.2	23.4
Mining.....	1.3	1.8	.5	.6	.8	1.2	5.1	8.9
Construction.....	3.1	2.2	1.0	.7	2.0	1.5	18.2	12.5
Manufacturing.....	5.1	4.4	1.8	1.6	3.3	2.8	29.6	25.7
Transportation and public utilities.....	2.0	1.7	.9	.8	1.1	.9	9.8	10.0
Wholesale and retail trade.....	1.0	.9	.3	.4	.7	.5	5.7	6.4
Finance, insurance, and real estate.....	.6	.5	.2	.2	.3	.2	2.2	4.2
Services.....	1.9	1.6	.7	.6	1.2	1.0	11.4	8.9

<sup>1</sup> The incidence rates represent the number of illnesses or lost workdays per 1,000 full-time workers and were calculated as: (N/EH) X 2,000,000, where

SOURCE: Bureau of Labor Statistics, U.S. Department of Labor.

N = number of illnesses or lost workdays  
 EH = total hours worked by all employees during calendar year  
 2,000,000 = base for 1,000 full-time equivalent workers (working 40 hours per week, 50 weeks per year).

**Table 10. Number of occupational illnesses by category of illness and industry division, United States, 1978<sup>1</sup>**

(In thousands)

Industry division	Total illnesses	Number of illnesses by category						
		Skin diseases or disorders	Dust diseases of the lungs	Respiratory conditions due to toxic agents	Poisoning	Disorders due to physical agents	Disorders associated with repeated trauma	All other occupational illnesses
Private sector.....	143.5	65.9	1.6	13.6	5.6	16.7	20.2	19.9
Agriculture, forestry, and fishing <sup>2/</sup> .....	3.4	2.2	(3)	.1	.4	.2	.1	.4
Mining.....	1.6	.5	.3	.1	.1	.2	.1	.3
Construction.....	7.8	3.3	.2	1.1	.5	1.1	.4	1.2
Manufacturing.....	86.7	42.1	.8	7.9	3.0	10.4	16.9	5.6
Transportation and public utilities.....	7.9	3.3	.1	1.1	.3	1.0	1.1	1.1
Wholesale and retail trade.....	15.0	5.1	.2	1.6	.7	1.6	.7	5.3
Finance, insurance, and real estate.....	5.4	2.1	.2	.4	.2	.5	.3	1.6
Retail trade.....	9.6	2.9	(3)	1.2	.4	1.1	.4	3.6
Services.....	1.9	.7	(3)	.2	.1	.1	.1	.6
Services.....	19.2	8.7	.1	1.6	.5	2.0	.9	5.4

<sup>1</sup> In order to maintain the comparability of the 1978 survey data with the data published in previous years, a statistical method was developed for generating the 1978 estimates to represent the small nonfarm employers in low-risk industries which were not surveyed. The estimating procedure involved averaging the data reported by small employers for the 1975, 1976, and 1977 annual surveys.

<sup>2</sup> Excludes farms with fewer than 11 employees.

<sup>3</sup> Fewer than 50 cases.

NOTE: Because of rounding, the components may not add to totals.

SOURCE: Bureau of Labor Statistics, U.S. Department of Labor.



# Appendix A. Scope of Survey and Technical Notes

## Scope of survey

The occupational injury and illness data reported through the annual survey were based on the records which employers in the following private industries maintain under the Occupational Safety and Health Act: Agriculture, forestry, and fishing, SIC 01-09; oil and gas extraction, SIC 13; construction, SIC 15-17; manufacturing, SIC 20-39; transportation and public utilities, SIC 41-42 and 44-49; wholesale and retail trade, SIC 50-59; finance, insurance, and real estate, SIC 60-67; and services, SIC 70-87 and 89. Excluded from the survey were self-employed individuals; farmers with fewer than 11 employees; employers regulated by other Federal safety and health laws; and Federal, State, and local government agencies. Although the 1978 annual survey covered employers in virtually all private sector industries, employers with fewer than 11 employees in low-risk industries were not required to participate. This was in response to a Presidential directive to reduce the paperwork burden in survey operations. To maintain comparability with data published in previous years, a statistical method based on the previous experience of these low-risk industries was used to represent them in the private sector.

Data conforming to definitions of recordable occupational injuries and illnesses for coal, metal, and non-metal mining, and railroad transportation were provided by the Mine Safety and Health Administration, U.S. Department of Labor, and the Federal Railroad Administration, U.S. Department of Transportation. In a separate reporting system, agencies of the Federal Government are filing reports on occupational injuries and illnesses with the Secretary of Labor comparable with those of private industry. At this time, State and local government agencies are not represented in the national statistics.

About 280,000 sample units were selected nationwide to participate in the 1978 survey. Replies were received from approximately 91 percent of the eligible sample units—or about 256,000. The 1978 estimates were based on reports from about 95,000 establishments in manufacturing industries and 161,000 in nonmanufacturing industries.

## Sample design

The sample was selected to represent virtually all private industries. Because the survey is a Federal-State

cooperative program and the data had to meet the needs of those State agencies which generated statewide data, the universe frame was stratified by State/industry/employment-size prior to sample selection. An optimum allocation was achieved by distributing the sample to each size group proportional to the total employment and the variation among size groups. The sampling ratios for the various employment-size groups ranged from all units above a certain size class selected with certainty through declining proportions in each smaller employment-size group. The certainty strata were usually greater than 100 employees, although these may have ranged downward in employment size depending upon the total employment in the industry. The ratios determined for each industry/employment-size group were used to select a sample within a State/industry/employment-size estimating cell.

## Estimating procedures

*Weighting.* Weights were determined by the inverse of the sampling ratios for the size class from which the unit was selected. Using a weighting procedure, sample units were made to represent all units in their size class for a particular industry. Each sample member was assigned a State weight and a national weight which were often different since the sample unit may have represented a different proportion of the universe in each case. In producing estimates for the Nation as a whole, the State weight of the sample units from States for which statewide estimates would be generated was used; the national weight was used for the remaining States. Weights of responding units were adjusted in each sampling cell to account for the nonresponse in that cell. Units were then shifted into the estimating cell determined by industry classification and reported employment. Each unit carried into the estimating cell the weight of its sampling cell, which was adjusted for nonresponse. Data for each unit were multiplied by the appropriate nonresponse-adjusted weight. The products were then aggregated to obtain totals for the estimating cell.

*Benchmarking.* Data were further adjusted to reflect the actual employment in an industry during the survey year. Since the universe file which provides the sample frame was not current to the reference year of the sur-

vey, it was necessary to benchmark the data to reflect current employment levels.

The benchmarking procedure related the employment estimate used in sampling to the actual employment for the reference year of the survey. The ratio of the actual employment to the weighted employment estimate is called the benchmark factor. The aggregated weighted nonresponse-adjusted characteristics of the estimating cell were multiplied by the benchmark factor so that the cell became more representative of the universe during the survey reference year.

*Estimates for small nonfarm employers.* Data were collected for nonfarm employers with fewer than 11 employees in high-risk industry groups. Data were not collected for small nonfarm employers in the following (low-risk) groups:

SIC 41	SIC 53
SIC 44 (except 446)	SIC 55-59
SIC 45-46	SIC 60-67
SIC 47 (except 478)	SIC 70-73
SIC 48	SIC 78-79
SIC 50-51	SIC 80-87 and 89

The injury and illness experience of these low-risk industries was represented in the estimates, however, through a statistical method incorporating the previous experience of these industries for the years 1975, 1976, and 1977.

### Federal-State cooperation

Under grant arrangements with State agencies, respondents completed a single reporting form which was used to generate both national and State estimates. This eliminated duplicate reporting and, together with the use of identical techniques at the national and State levels, ensured maximum comparability of estimates.

### Rounding of published estimates

The original tabulations on which the numbers of recorded fatalities and nonfatal injuries and illnesses were based showed all estimates to the nearest whole unit. Estimates of the numbers of injuries and illnesses were rounded. Derived percents were computed after rounding.

### Industrial classification

Reporting units were classified into industries by their principal product or activity. The data were tabulated according to the 1972 edition of the *Standard Industrial Classification Manual*.

### Reliability of estimates

Estimates based on a sample may differ from figures that would have been obtained had a complete census of establishments been possible using the same schedules or procedures. As in any survey, the results are subject to errors of response and reporting, as well as sampling

variability. Errors of response and reporting are minimized through comprehensive edit procedures and followup contacts with employers.

The relative error is a measure of sampling variability—variations which occur by chance because only a sample of the establishments is in the survey. In conjunction with the estimates, the relative standard error serves to define the confidence intervals or ranges that would include the comparable complete coverage value. The chances are about 2 out of 3 that the estimate would have been produced in the range of 1 standard error above to 1 standard error below the estimated value, and about 19 out of 20 that the estimate would have been in the range of 2 standard errors above and below the estimated value.

Because of the complex two-stage ratio estimation procedure, most relative errors were computed using a simplified form of the variance-estimation formulas. The more complex variance formulas were used for a few of the items, resulting in some higher estimates and some lower estimates of relative errors. The relative errors approximate the sampling errors of the incidence rates.

As an example of the use of the relative errors, general building contractors (SIC 15) has an estimated incidence rate for total cases of 15.9 per 100 full-time workers and a relative error of 2 percent. The chances are 2 out of 3 that a complete census would produce a rate between 16.2 and 15.6, and the chances are 19 out of 20 that the rate produced from a complete count would be between 16.5 and 15.3. For the number of job-related injuries and illnesses resulting in lost workdays, the published rate is 6.3 per 100 full-time workers with a 2-percent relative error. The chances are 2 out of 3 that a census would show a rate between 6.4 and 6.2 and 19 out of 20 that the rate could be between 6.6 and 6.0. Similarly, the number of occupational injuries and illnesses estimated for SIC 15 was 160,700 with a relative error of 2 percent. Thus, the chances are 2 out of 3 that a census would show a number between 163,900 and 157,500 and 19 out of 20 that the number would be within a range of 167,100 and 154,300.

### Publication guidelines

The BLS tabulating system generates occupational injury and illness estimates for approximately 625 SIC industry levels. This bulletin, however, excludes estimates for several 2-, 3-, and 4-digit SIC levels if one of the following situations occurred:

1. Estimates for the industry level were based on reports from fewer than three companies. Moreover, if three or more companies reported data for the industry, the employment of one firm could not constitute 50 percent or more of the employment for the industry, or two companies combined could not equal or exceed 75 percent of the industry employment.

2. 1978 annual average employment for the industry was less than 10,000. However, industries with annual average employment of fewer than 10,000 were published if the majority of the employment for an industry was reported in the survey.

3. Relative standard error for lost workday cases at 1 standard deviation was more than 15 percent for the industry level in manufacturing and 20 percent in non-manufacturing.

4. Benchmark factor for the industry level was less than 0.90 or greater than 1.49.

Data for an unpublished industry were included in the total shown for the broader industry level of which it is a part. In addition to deleting industries, selected items of data were suppressed for publishable industries when the relative standard error for the estimate was equal to or exceeded 60 percent.

**Table A-1. Relative standard errors for measures of occupational injuries and illnesses, and occupational injuries by industry, United States, 1978**

Industry	SIC code 1/	Relative standard error (percent) 2/							
		Injuries and illnesses				Injuries			
		Total cases	Lost workday cases	Nonfatal cases without lost workdays	Lost workdays	Total cases	Lost workday cases	Nonfatal cases without lost workdays	Lost workdays
Private sector.....		(3)	(3)	(3)	1	(3)	(3)	(3)	1
Agriculture, forestry, and fishing.....		2	2	2	4	2	2	2	4
Agricultural production.....	01-02	2	3	3	4	2	3	3	4
Agricultural services.....	07	4	4	5	7	4	4	5	7
Forestry.....	08	6	10	7	14	7	9	7	14
Fishing, hunting, and trapping.....	09	14	16	20	20	15	17	20	22
Mining.....									
Oil and gas extraction.....	13	3	3	3	4	3	3	3	4
Crude petroleum and natural gas.....	131	5	6	6	14	5	6	6	9
Oil and gas field services.....	138	3	3	4	4	3	3	4	4
Construction.....		1	1	1	2	1	1	1	2
General building contractors.....	15	2	2	2	3	2	2	2	3
Residential building construction.....	152	3	3	4	6	3	3	4	6
Operative builders.....	153	3	4	4	9	3	4	4	9
Nonresidential building construction.....	154	2	3	2	4	2	3	2	4
Heavy construction contractors.....	16	2	3	3	4	2	3	3	4
Highway and street construction.....	161	3	4	4	7	3	4	4	7
Heavy construction, except highway.....	162	3	3	3	5	3	3	3	5
Special trade contractors.....	17	1	1	1	2	1	1	1	2
Plumbing, heating, and air conditioning...	171	2	2	2	4	2	2	2	4
Painting, paperhanging, and decorating...	172	6	9	7	11	6	6	8	11
Electrical work.....	173	2	3	2	5	2	3	2	5
Masonry, stonework, and plastering.....	174	2	3	3	5	2	3	3	5
Carpentering and flooring.....	175	5	6	6	10	5	6	6	10
Roofing and sheet-metal work.....	176	2	3	3	5	2	3	3	5
Concrete work.....	177	6	7	7	12	6	3	7	12
Water well drilling.....	178	5	6	6	9	5	6	6	9
Miscellaneous special trade contractors...	179	3	3	4	5	3	3	4	5
Manufacturing.....		(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)
Durable goods.....		(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)
Lumber and wood products.....	24	1	1	1	1	1	1	1	1
Logging camps and logging contractors.....	241	4	4	6	5	4	4	6	6
Sawmills and planing mills.....	242	1	2	2	2	1	2	2	2
Sawmills and planing mills, general.....	2421	2	2	2	2	2	2	2	2
Hardwood dimension and flooring.....	2426	2	2	3	4	2	2	3	4
Special product sawmills, n.e.c.....	2429	5	5	6	8	5	5	6	8
Millwork, plywood, and structural members.	243	1	1	1	2	1	1	1	2
Millwork.....	2431	1	2	2	3	1	2	2	3
Wood kitchen cabinets.....	2434	3	3	4	5	3	3	4	5
Hardwood veneer and plywood.....	2435	2	2	2	2	2	2	2	2
Softwood veneer and plywood.....	2436	2	2	3	2	2	2	4	2
Structural wood members, n.e.c.....	2439	3	4	5	6	3	4	4	6
Wood containers.....	244	2	3	3	4	2	3	3	4
Nailed wood boxes and shooks.....	2441	4	5	5	6	4	5	5	6
Wood pallets and skids.....	2448	3	4	4	6	3	4	4	6
Wood containers, n.e.c.....	2449	3	4	4	7	3	4	4	7
Wood buildings and mobile homes.....	245	2	2	2	3	2	2	2	3
Mobile homes.....	2451	2	2	3	3	2	2	3	3
Prefabricated wood buildings.....	2452	5	5	6	8	5	5	6	8
Miscellaneous wood products.....	249	2	2	2	2	2	2	2	2
Wood preserving.....	2491	4	5	4	5	4	5	4	5
Particleboard.....	2492	2	3	2	4	2	3	3	4
Wood products, n.e.c.....	2499	2	2	2	3	2	2	2	3
Furniture and fixtures.....	25	1	1	1	1	1	1	1	1
Household furniture.....	251	1	1	1	2	1	1	1	2
Wood household furniture.....	2511	1	2	1	2	1	2	1	2
Upholstered household furniture.....	2512	2	2	2	4	2	2	2	4
Metal household furniture.....	2514	3	4	3	6	3	3	3	6
Mattresses and bedsprings.....	2515	2	3	3	4	2	3	3	4
Wood TV and radio cabinets.....	2517	3	3	4	6	3	3	3	6
Household furniture, n.e.c.....	2519	7	8	9	10	7	9	8	10
Office furniture.....	252	2	2	2	2	2	2	2	2
Wood office furniture.....	2521	3	4	4	5	3	4	5	5
Metal office furniture.....	2522	2	2	3	3	2	2	3	3
Public building and related furniture.....	253	2	3	3	4	2	3	3	4
Partitions and fixtures.....	254	2	3	3	4	2	3	3	4
Wood partitions and fixtures.....	2541	3	5	4	5	3	5	4	5
Metal partitions and fixtures.....	2542	3	4	4	5	3	4	4	5
Miscellaneous furniture and fixtures.....	259	2	4	3	4	2	4	3	4
Drapery hardware and blinds and shades..	2591	3	5	4	4	3	5	4	5
Furniture and fixtures, n.e.c.....	2599	3	5	4	7	3	5	4	7

See footnotes at end of table.

**Table A-1. Continued—Relative standard errors for measures of occupational injuries and illnesses, and occupational injuries by industry, United States, 1978**

Industry	SIC code 1/	Relative standard error (percent) 2/							
		Injuries and illnesses				Injuries			
		Total cases	Lost workday cases	Nonfatal cases without lost workdays	Lost workdays	Total cases	Lost workday cases	Nonfatal cases without lost workdays	Lost workdays
Stone, clay, and glass products.....	32	1	1	1	1	1	1	1	1
Flat glass.....	321	2	2	2	1	2	2	2	1
Glass and glassware, pressed or blown....	322	2	2	2	2	2	2	2	2
Glass containers.....	3221	2	2	2	2	2	2	2	2
Pressed and blown glass, n.e.c.....	3229	4	5	4	4	3	5	4	4
Products of purchased glass.....	323	3	4	3	4	3	4	3	4
Structural clay products.....	325	2	2	2	3	2	2	2	3
Brick and structural clay tile.....	3251	3	3	3	5	3	3	3	5
Ceramic wall and floor tile.....	3253	4	4	5	4	4	4	4	3
Clay refractories.....	3255	3	4	4	6	3	4	4	6
Structural clay products, n.e.c.....	3259	2	2	3	3	2	2	3	2
Pottery and related products.....	326	1	2	2	2	1	2	2	2
Vitreous plumbing fixtures.....	3261	1	1	1	1	1	1	1	1
Vitreous china food utensils.....	3262	2	(3)	4	4	1	1	5	1
Fine earthenware food utensils.....	3263	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)
Porcelain electrical supplies.....	3264	2	3	3	4	2	3	3	4
Pottery products, n.e.c.....	3269	5	7	6	11	5	7	6	11
Concrete, gypsum, and plaster products....	327	2	2	2	3	2	2	2	3
Concrete block and brick.....	3271	3	4	4	7	3	4	4	7
Concrete products, n.e.c.....	3272	3	3	4	5	3	3	4	5
Ready-mixed concrete.....	3273	2	2	3	4	2	2	3	4
Lime.....	3274	5	5	9	7	5	5	9	7
Gypsum products.....	3275	5	6	4	8	5	6	4	8
Cut stone and stone products.....	328	5	5	6	16	5	5	6	16
Miscellaneous nonmetallic mineral products.....	329	2	2	2	2	2	2	2	2
Abrasives.....	3291	3	3	4	3	3	3	4	3
Asbestos products.....	3292	5	5	9	6	5	5	9	6
Gaskets, packing, and sealing devices...	3293	3	3	4	4	3	3	4	4
Mineral wool.....	3296	4	4	4	6	4	4	5	6
Nonclay refractories.....	3297	4	6	3	6	4	6	3	6
Primary metal industries.....	33	1	1	1	1	1	1	1	1
Blast furnace and basic steel products....	331	2	2	2	2	2	2	2	2
Blast furnaces and steel mills.....	3312	3	3	3	2	3	3	3	2
Electrometallurgical products.....	3313	2	2	3	1	2	2	3	1
Steel wire and related products.....	3315	3	3	3	3	3	3	3	3
Cold finishing of steel shapes.....	3316	2	3	3	4	2	3	3	4
Steel pipe and tubes.....	3317	2	2	3	2	2	2	3	2
Iron and steel foundries.....	332	1	1	2	1	1	1	2	1
Gray iron foundries.....	3321	2	2	2	2	2	2	2	2
Malleable iron foundries.....	3322	2	2	2	2	2	2	2	2
Steel foundries, n.e.c.....	3325	2	2	2	2	2	2	2	2
Primary nonferrous metals.....	333	1	2	1	2	1	2	2	2
Primary copper.....	3331	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)
Primary lead.....	3332	1	2	3	1	2	2	3	1
Primary zinc.....	3333	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)
Primary aluminum.....	3334	1	3	(3)	3	1	3	(3)	3
Primary nonferrous metals, n.e.c.....	3339	5	4	8	6	5	4	3	6
Secondary nonferrous metals.....	334	4	5	5	6	5	6	6	9
Nonferrous rolling and drawing.....	335	1	2	2	2	1	2	2	2
Copper rolling and drawing.....	3351	2	3	3	2	2	3	3	2
Aluminum sheet, plate, and foil.....	3353	1	2	1	2	1	2	2	2
Aluminum extruded products.....	3354	2	3	3	4	2	3	3	4
Aluminum rolling and drawing, n.e.c....	3355	10	14	11	10	11	16	12	10
Nonferrous rolling and drawing, n.e.c....	3356	9	12	9	10	8	11	9	8
Nonferrous wire drawing and insulating..	3357	2	3	2	3	2	3	2	3
Nonferrous foundries.....	336	1	2	2	3	1	2	2	3
Aluminum foundries.....	3361	2	3	3	4	2	3	3	4
Brass, bronze, and copper foundries....	3362	2	3	3	5	2	3	3	6
Nonferrous foundries, n.e.c.....	3369	3	3	4	4	3	3	4	4
Miscellaneous primary metal products....	339	3	3	3	4	3	3	3	4
Metal heat treating.....	3398	3	3	4	6	3	3	2	6
Primary metal products, n.e.c.....	3399	5	5	6	7	5	5	6	7
Fabricated metal products.....	34	1	1	1	1	1	1	1	1
Metal cans and shipping containers.....	341	1	1	1	2	1	1	1	2
Metal cans.....	3411	1	2	2	2	1	2	2	2
Metal barrels, drums, and pails.....	3412	3	4	3	4	3	4	3	4
Cutlery, hand tools, and hardware.....	342	2	2	3	3	2	2	3	3
Cutlery.....	3421	5	4	7	2	5	4	7	2
Hand and edge tools, n.e.c.....	3423	2	2	2	3	2	2	2	3
Hand saws and saw blades.....	3425	4	5	5	5	4	5	5	5
Hardware, n.e.c.....	3429	4	4	5	4	4	4	5	4

See footnotes at end of table.

**Table A-1. Continued—Relative standard errors for measures of occupational injuries and illnesses, and occupational injuries by industry, United States, 1978**

Industry	SIC code 1/	Relative standard error (percent) 2/							
		Injuries and illnesses				Injuries			
		Total cases	Lost workday cases	Nonfatal cases without lost workdays	Lost workdays	Total cases	Lost workday cases	Nonfatal cases without lost workdays	Lost workdays
Plumbing and heating, except electric.....	343	2	2	2	2	2	2	2	2
Metal sanitary ware.....	3431	3	3	5	5	3	3	5	5
Plumbing fittings and brass goods.....	3432	3	4	3	5	3	4	4	5
Heating equipment, except electric.....	3433	3	4	4	3	3	4	4	3
Fabricated structural metal products.....	344	1	1	1	1	1	1	1	1
Fabricated structural metal.....	3441	1	2	2	3	1	2	2	3
Metal doors, sash, and trim.....	3442	2	3	3	3	2	3	3	4
Fabricated plate work.....	3443	2	2	2	3	2	2	2	3
Sheet-metal work.....	3444	2	3	3	3	2	3	3	3
Architectural metal work.....	3446	4	5	5	8	4	5	5	8
Prefabricated metal buildings.....	3448	3	4	4	8	3	4	4	8
Miscellaneous metal work.....	3449	4	5	6	7	4	5	6	7
Screw machine products, bolts, etc.....	345	1	2	2	3	1	2	2	3
Screw machine products.....	3451	2	3	3	5	2	3	3	5
Bolts, nuts, rivets, and washers.....	3452	2	2	2	5	2	2	2	5
Metal forgings and stampings.....	346	1	2	2	2	1	2	2	2
Iron and steel forgings.....	3462	2	2	3	2	2	2	3	3
Nonferrous forgings.....	3463	4	2	6	2	4	2	6	2
Automotive stampings.....	3465	3	6	4	3	3	3	3	3
Crowns and closures.....	3466	4	6	6	6	4	6	5	6
Metal stampings, n.e.c.....	3469	2	3	3	4	2	3	3	4
Metal services, n.e.c.....	347	2	3	3	5	2	3	3	5
Plating and polishing.....	3471	3	3	3	5	3	3	3	5
Metal coating and allied services.....	3479	4	6	4	10	4	6	4	10
Ordinance and accessories, n.e.c.....	348	2	2	2	2	2	2	2	3
Small arms ammunition.....	3482	5	3	6	3	5	4	6	3
Ammunition, except for small arms, n.e.c.....	3483	1	(3)	2	1	1	(3)	4	1
Small arms.....	3484	3	3	3	3	3	3	3	3
Ordinance and accessories, n.e.c.....	3489	7	8	7	9	7	8	7	9
Miscellaneous fabricated metal products...	349	1	2	2	2	1	2	2	2
Steel springs, except wire.....	3493	2	3	2	8	2	3	2	8
Valves and pipe fittings.....	3494	2	2	2	3	2	2	2	3
Wire springs.....	3495	3	3	3	5	3	4	3	6
Miscellaneous fabricated wire products..	3496	3	4	3	4	3	4	3	4
Metal foil and leaf.....	3497	4	4	5	6	4	4	5	6
Fabricated pipe and fittings.....	3498	3	3	3	4	3	3	4	4
Fabricated metal products, n.e.c.....	3499	4	5	5	5	4	5	5	5
Machinery, except electrical.....	35	1	1	1	1	1	1	1	1
Engines and turbines.....	351	2	2	3	2	2	2	3	2
Turbines and turbine generator sets.....	3511	3	3	4	4	3	3	4	4
Internal combustion engines, n.e.c.....	3519	2	2	3	2	2	2	3	2
Farm and garden machinery.....	352	2	2	2	3	2	2	2	3
Farm machinery and equipment.....	3523	2	2	2	3	2	2	2	3
Lawn and garden equipment.....	3524	3	4	3	5	3	4	3	5
Construction and related machinery.....	353	1	1	1	2	1	1	1	2
Construction machinery.....	3531	2	3	2	2	2	3	2	2
Mining machinery.....	3532	2	2	2	3	2	2	2	3
Oil field machinery.....	3533	2	3	3	3	2	3	3	3
Elevators and moving stairways.....	3534	4	5	4	10	4	5	4	10
Conveyors and conveying equipment.....	3535	3	4	3	4	3	4	3	5
Hoists, cranes, and monorails.....	3536	2	2	3	7	2	2	3	7
Industrial trucks and tractors.....	3537	4	4	5	3	4	4	5	4
Metalworking machinery.....	354	1	2	1	2	1	2	1	2
Machine tools, metal cutting types.....	3541	2	3	3	3	2	3	3	3
Machine tools, metal forming types.....	3542	3	3	3	3	3	3	3	3
Special dies, tools, jigs, and fixtures.....	3544	3	4	3	5	3	4	3	5
Machine tool accessories.....	3545	2	3	3	5	2	3	3	5
Power driven hand tools.....	3546	2	2	2	1	2	2	2	1
Rolling mill machinery.....	3547	4	4	5	4	4	4	5	4
Metalworking machinery, n.e.c.....	3549	3	5	3	5	3	5	4	5
Special industry machinery.....	355	2	2	2	3	2	2	2	3
Food products machinery.....	3551	3	4	3	7	3	4	3	6
Textile machinery.....	3552	4	5	4	6	4	5	4	6
Woodworking machinery.....	3553	3	4	3	4	3	4	3	5
Paper industries machinery.....	3554	2	3	2	3	2	3	2	3
Printing trades machinery.....	3555	6	9	6	14	6	9	7	14
Special industry machinery, n.e.c.....	3559	4	5	4	5	4	5	4	5
General industrial machinery.....	356	1	1	1	1	1	1	1	1
Pumps and pumping equipment.....	3561	2	3	3	3	3	3	3	3
Ball and roller bearings.....	3562	3	4	4	3	3	4	4	3
Air and gas compressors.....	3563	5	5	6	5	5	5	6	5
Blowers and fans.....	3564	3	4	4	5	3	4	3	5
Industrial patterns.....	3565	4	8	6	10	6	8	6	11
Speed changers, drives, and gears.....	3566	3	3	3	3	3	3	3	3
Industrial furnaces and ovens.....	3567	4	5	4	4	4	5	4	4
Power transmission equipment, n.e.c.....	3568	2	3	2	4	2	4	3	4
General industrial machinery, n.e.c.....	3569	2	3	3	3	2	3	3	3
Office and computing machines.....	357	3	3	3	3	3	3	3	3
Electronic computing equipment.....	3573	3	3	4	4	4	3	4	5
Railroad equipment.....	3574	5	4	5	2	5	4	5	2
Scales and balances, except laboratory..	3576	6	10	7	15	7	10	7	16
Office machines, n.e.c.....	3579	4	6	4	2	4	5	4	2

See footnotes at end of table.

**Table A-1. Continued—Relative standard errors for measures of occupational injuries and illnesses, and occupational injuries by industry, United States, 1978**

Industry	SIC code 1/	Relative standard error (percent) 2/							
		Injuries and illnesses				Injuries			
		Total cases	Lost workday cases	Nonfatal cases without lost workdays	Lost workdays	Total cases	Lost workday cases	Nonfatal cases without lost workdays	Lost workdays
Refrigeration and service machinery.....	358	2	2	2	2	1	2	2	2
Automatic merchandising machines.....	3581	4	5	4	5	4	5	4	5
Commercial laundry equipment.....	3582	5	7	7	11	6	7	7	11
Refrigeration and heating equipment.....	3585	2	3	2	3	2	3	2	3
Measuring and dispensing pumps.....	3586	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)
Service industry machinery, n.e.c.....	3589	3	3	3	4	3	3	3	4
Miscellaneous machinery, except electrical.....	359	2	3	2	5	2	3	2	5
Carburetors, pistons, rings, valves.....	3592	3	3	4	3	3	3	4	3
Machinery, except electrical, n.e.c.....	3599	2	3	2	5	2	3	2	5
Electric and electronic equipment.....	36	1	1	1	1	1	1	1	1
Electric distributing equipment.....	361	2	3	3	4	2	3	3	4
Transformers.....	3612	2	3	3	3	2	3	3	3
Switchgear and switchboard apparatus....	3613	4	6	5	7	5	6	5	8
Electrical industrial apparatus.....	362	2	2	2	2	2	2	2	2
Motors and generators.....	3621	2	2	3	3	2	2	3	3
Industrial controls.....	3622	3	4	4	4	3	4	4	4
Welding apparatus, electric.....	3623	3	4	3	4	3	4	3	4
Carbon and graphite products.....	3624	3	3	5	6	3	3	5	6
Electrical industrial apparatus, n.e.c....	3629	7	6	9	8	8	7	9	8
Household appliances.....	363	3	4	2	5	3	4	2	5
Household cooking equipment.....	3631	3	4	2	2	3	4	2	2
Household refrigerators and freezers....	3632	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)
Household laundry equipment.....	3633	1	1	(3)	1	1	1	(3)	1
Electric housewares and fans.....	3634	3	3	4	3	3	3	4	3
Household vacuum cleaners.....	3635	1	(3)	1	(3)	1	(3)	1	(3)
Sewing machines.....	3636	3	9	2	4	4	10	2	4
Electric lighting and wiring equipment....	364	1	2	2	3	1	2	2	3
Electric lamps.....	3641	5	6	5	14	5	7	6	15
Current-carrying wiring devices.....	3643	2	3	3	5	2	3	3	5
Noncurrent-carrying wiring devices.....	3644	2	2	3	3	2	2	3	3
Residential lighting fixtures.....	3645	3	4	3	5	3	4	4	5
Commercial lighting fixtures.....	3646	4	5	5	10	4	5	6	10
Vehicular lighting equipment.....	3647	3	2	3	2	3	2	3	2
Lighting equipment, n.e.c.....	3648	8	9	11	16	8	10	10	17
Radio and TV receiving equipment.....	365	3	4	4	4	3	4	4	4
Radio and TV receiving sets.....	3651	4	5	4	5	4	5	4	5
Phonograph records.....	3652	4	4	4	3	4	4	4	3
Communication equipment.....	366	2	3	3	3	2	3	3	3
Telephone and telegraph apparatus.....	3661	3	4	4	3	3	4	4	4
Radio and TV communication equipment....	3662	3	4	4	4	3	4	4	4
Electronic components and accessories....	367	1	1	2	2	1	1	2	2
Electron tubes, receiving type.....	3671	3	3	5	2	3	3	5	2
Cathode ray television picture tubes....	3672	2	1	5	1	2	1	5	1
Electron tubes, transmitting.....	3673	4	5	5	7	4	5	5	8
Semiconductors and related devices.....	3674	2	2	3	2	2	2	3	3
Electronic resistors.....	3675	4	4	5	9	3	4	5	9
Electronic capacitors.....	3676	3	3	3	3	3	3	3	3
Electronic coils and transformers.....	3677	4	5	5	9	4	5	5	9
Electronic components, n.e.c.....	3679	2	3	3	4	2	3	3	3
Miscellaneous electrical equipment and supplies.....	369	2	2	3	2	2	3	2	2
Storage batteries.....	3691	2	2	4	3	2	2	4	3
Primary batteries, dry and wet.....	3692	3	4	2	4	3	5	3	4
X-ray apparatus and tubes.....	3693	3	8	4	5	3	8	4	6
Engine electrical equipment.....	3694	4	3	5	4	4	4	5	4
Electrical equipment and supplies, n.e.c.....	3699	5	5	7	5	5	5	7	5
Transportation equipment.....	37	1	1	1	1	1	1	1	1
Motor vehicles and equipment.....	371	1	1	2	1	1	1	1	2
Motor vehicles and car bodies.....	3711	2	2	2	2	2	2	2	2
Truck and bus bodies.....	3713	2	2	2	2	2	2	2	2
Motor vehicle parts and accessories.....	3714	2	2	3	2	2	2	3	2
Truck trailers.....	3715	2	2	3	2	2	2	3	2
Aircraft and parts.....	372	2	2	2	3	2	2	2	3
Aircraft.....	3721	3	3	3	3	3	3	3	3
Aircraft engines and engine parts.....	3724	3	4	4	9	3	4	4	9
Aircraft equipment, n.e.c.....	3728	2	3	3	3	2	3	4	3
Ship and boat building and repairing.....	373	2	2	3	3	2	2	3	2
Ship building and repairing.....	3731	2	2	3	3	2	2	4	3
Boat building and repairing.....	3732	2	2	2	3	2	3	3	3
Railroad equipment.....	374	2	2	2	2	2	2	2	2
Motorcycles, bicycles, and parts.....	375	3	4	3	5	3	4	3	6
Guided missiles, space vehicles, and parts.....	376	5	2	8	3	6	2	9	3
Guided missiles and space vehicles.....	3761	8	3	13	4	9	3	13	4
Space propulsion units and parts.....	3764	1	1	1	(3)	(3)	(3)	1	(3)
Space vehicle equipment, n.e.c.....	3769	8	8	10	14	9	8	11	14
Miscellaneous transportation equipment....	379	2	2	2	3	2	2	2	3
Travel trailers and campers.....	3792	2	2	2	3	2	2	2	3
Tanks and tank components.....	3795	(3)	(3)	(3)	1	(3)	(3)	(3)	1
Transportation equipment, n.e.c.....	3799	5	6	5	5	5	6	5	5

See footnotes at end of table.

**Table A-1. Continued—Relative standard errors for measures of occupational injuries and illnesses, and occupational injuries by industry, United States, 1978**

Industry	SIC code 1/	Relative standard error (percent) 2/							
		Injuries and illnesses				Injuries			
		Total cases	Lost workday cases	Nonfatal cases without lost workdays	Lost workdays	Total cases	Lost workday cases	Nonfatal cases without lost workdays	Lost workdays
Instruments and related products.....	38	1	1	1	1	1	1	2	1
Engineering and scientific instruments....	381	4	4	5	5	4	5	5	5
Measuring and controlling devices.....	382	2	2	2	2	2	2	2	2
Environmental controls.....	3822	2	2	3	2	2	2	3	2
Process control instruments.....	3823	5	6	6	6	5	6	6	6
Fluid meters and counting devices.....	3824	2	2	2	1	2	2	2	1
Instruments to measure electricity.....	3825	3	3	5	4	3	4	5	5
Measuring and controlling devices, n.e.c.....	3829	6	5	8	6	6	5	8	6
Optical instruments and lenses.....	383	5	7	6	12	5	7	6	13
Medical instruments and supplies.....	384	2	3	3	3	2	3	3	3
Surgical and medical instruments.....	3841	3	3	4	3	3	4	4	3
Surgical appliances and supplies.....	3842	3	3	4	3	3	3	4	3
Dental equipment and supplies.....	3843	3	10	8	10	8	10	8	11
Ophthalmic goods.....	385	8	9	8	6	9	11	9	7
Photographic equipment and supplies.....	386	3	3	4	3	3	3	4	3
Watches, clocks, and watchcases.....	387	6	9	7	8	6	9	7	8
Miscellaneous manufacturing industries.....	39	1	1	1	2	1	1	1	2
Jewelry, silverware, and plated ware.....	391	2	3	3	10	2	3	3	10
Jewelry, precious metal.....	3911	4	4	4	9	4	4	4	9
Silverware and plated ware.....	3914	4	3	6	3	4	3	6	3
Jewelry materials and lapidary work....	3915	5	9	6	49	5	9	6	50
Musical instruments.....	393	4	3	6	3	4	3	6	3
Toys and sporting goods.....	394	2	2	2	3	2	2	2	3
Dolls.....	3942	7	7	9	16	7	7	9	16
Games, toys, and children's vehicles....	3944	2	3	2	3	2	3	2	3
Sporting and athletic goods, n.e.c.....	3949	3	3	3	4	3	3	3	4
Pens, pencils, office and art supplies....	395	2	3	3	4	2	3	3	4
Pens and mechanical pencils.....	3951	4	4	5	4	4	4	5	5
Lead pencils and art goods.....	3952	2	3	3	4	2	3	3	4
Marking devices.....	3953	8	3	9	13	6	8	8	13
Carbon paper and inked ribbons.....	3955	7	7	8	10	7	7	8	10
Costume jewelry and notions.....	396	4	4	4	6	4	4	4	6
Costume jewelry.....	3961	4	5	5	7	4	5	5	7
Artificial flowers.....	3962	4	8	5	10	4	8	5	10
Buttons.....	3963	13	15	15	9	13	12	16	9
Needles, pins, and fasteners.....	3964	7	8	8	12	7	8	7	12
Miscellaneous manufactures.....	399	2	2	2	4	2	2	2	4
Brooms and brushes.....	3991	3	3	3	5	3	3	3	5
Signs and advertising displays.....	3993	3	4	3	9	3	4	3	9
Burial caskets.....	3995	5	7	5	8	5	7	5	8
Hard surface floor coverings.....	3996	3	1	4	3	3	1	4	3
Manufacturing industries, n.e.c.....	3999	4	5	5	8	4	5	5	8
Nondurable goods.....	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)
Food and kindred products.....	20	1	1	1	1	1	1	1	1
Meat products.....	201	1	1	1	1	1	1	1	1
Meatpacking plants.....	2011	1	2	2	2	1	2	2	2
Sausages and other prepared meats.....	2013	2	2	3	3	2	2	3	3
Poultry dressing plants.....	2016	2	3	2	3	2	3	2	2
Poultry and egg processing.....	2017	3	4	3	6	3	4	3	7
Dairy products.....	202	1	2	1	3	1	2	1	3
Creamery butter.....	2021	5	6	6	8	5	5	6	8
Cheese, natural and processed.....	2022	3	4	3	7	3	4	3	7
Condensed and evaporated milk.....	2023	4	5	4	6	4	5	4	6
Ice cream and frozen desserts.....	2024	4	4	4	5	4	4	4	5
Fluid milk.....	2026	2	2	2	4	2	2	2	4
Preserved fruits and vegetables.....	203	1	2	2	2	1	2	2	2
Canned specialties.....	2032	4	4	5	5	4	4	5	5
Canned fruits and vegetables.....	2033	2	3	3	3	2	3	3	3
Dehydrated fruits, vegetables, soups....	2034	6	8	6	10	5	7	6	10
Pickles, sauces, and salad dressings....	2035	5	6	6	9	5	6	6	9
Frozen fruits and vegetables.....	2037	3	3	4	3	3	3	4	3
Frozen specialties.....	2038	3	3	5	4	3	3	5	4
Grain mill products.....	204	2	2	2	2	2	2	2	2
Flour and other grain mill products....	2041	3	3	3	4	3	3	3	4
Cereal breakfast foods.....	2043	1	2	2	1	1	1	2	1
Rice milling.....	2044	3	3	3	5	3	3	3	5
Blended and prepared flour.....	2045	2	3	2	3	2	3	3	3
Wet corn milling.....	2046	3	4	2	3	3	4	2	3
Dog, cat, and other pet food.....	2047	3	4	3	4	3	4	3	4
Prepared feeds, n.e.c.....	2048	3	4	4	6	3	4	4	6
Bakery products.....	205	2	2	2	3	2	2	2	3
Bread, cake, and related products.....	2051	2	3	3	4	2	3	3	4
Cookies and crackers.....	2052	3	4	3	5	3	4	3	5

See footnotes at end of table.



**Table A-1. Continued—Relative standard errors for measures of occupational injuries and illnesses, and occupational injuries by industry, United States, 1978**

Industry	SIC code 1/	Relative standard error (percent) 2/							
		Injuries and illnesses				Injuries			
		Total cases	Lost workday cases	Nonfatal cases without lost workdays	Lost workdays	Total cases	Lost workday cases	Nonfatal cases without lost workdays	Lost workdays
Sugar and confectionery products.....	206	1	2	2	2	1	2	2	2
Raw cane sugar.....	2061	2	4	3	4	2	4	3	4
Cane sugar refining.....	2062	1	1	1	2	1	1	1	2
Beet sugar.....	2063	3	3	5	3	3	3	5	3
Confectionery products.....	2065	2	2	3	3	2	2	3	3
Chocolate and cocoa products.....	2066	6	8	7	5	6	9	7	5
Chewing gum.....	2067	7	5	12	6	7	4	12	6
Fats and oils.....	207	2	2	2	3	1	2	2	3
Cottonseed oil mills.....	2074	3	3	4	3	2	3	4	3
Soybean oil mills.....	2075	3	3	4	6	3	3	4	6
Vegetable oil mills, n.e.c.....	2076	3	5	2	8	3	5	2	8
Animal and marine fats and oils.....	2077	3	4	3	6	3	4	3	6
Shortening and cooking oils.....	2079	2	4	3	3	2	3	2	3
Beverages.....	208	1	1	1	2	1	1	1	2
Malt beverages.....	2082	2	3	3	3	2	3	3	3
Malt.....	2083	3	3	5	6	3	3	5	6
Wines, brandy, and brandy spirits.....	2084	8	8	12	8	8	8	12	8
Distilled liquor, except brandy.....	2085	1	2	2	2	1	2	2	2
Bottled and canned soft drinks.....	2086	1	1	2	2	1	1	2	2
Flavoring extracts and syrups, n.e.c.....	2087	5	6	6	8	5	6	6	8
Miscellaneous foods and kindred products..	209	2	3	2	3	2	3	3	3
Canned and cured seafoods.....	2091	3	4	3	4	3	4	4	4
Fresh or frozen packaged fish.....	2092	4	5	4	7	4	5	4	7
Macaroni and spaghetti.....	2098	4	4	6	5	4	4	6	5
Food preparations, n.e.c.....	2099	3	3	4	4	3	3	4	4
Tobacco manufactures.....	21	2	1	2	1	2	1	2	1
Cigarettes.....	211	2	1	4	2	2	1	4	2
Cigars.....	212	2	3	4	7	2	3	4	7
Chewing and smoking tobacco.....	213	4	4	4	7	4	4	4	7
Tobacco stemming and redrying.....	214	3	3	3	3	3	3	3	3
Textile mill products.....	22	1	1	1	1	1	1	1	1
Weaving mills, cotton.....	221	2	3	2	2	2	3	2	2
Weaving mills, synthetics.....	222	2	4	2	5	2	4	2	5
Weaving and finishing mills, wool.....	223	3	4	4	5	3	4	4	5
Narrow fabric mills.....	224	4	5	5	11	4	5	5	11
Knitting mills.....	225	2	2	2	4	2	2	2	4
Women's hosiery, except socks.....	2251	6	5	7	12	6	5	8	11
Hosiery, n.e.c.....	2252	3	4	4	11	3	4	4	11
Knit outerwear mills.....	2253	4	5	5	11	4	4	5	11
Knit underwear mills.....	2254	3	3	4	9	3	3	4	9
Circular knit fabric mills.....	2257	4	4	4	8	4	4	4	8
Warp knit fabric mills.....	2258	6	5	7	6	5	6	7	6
Knitting mills, n.e.c.....	2259	5	6	6	6	5	6	6	7
Textile finishing, except wool.....	226	2	3	2	4	2	3	3	4
Finishing plants, cotton.....	2261	3	3	3	4	3	3	3	4
Finishing plants, synthetics.....	2262	4	6	5	7	4	6	5	7
Finishing plants, n.e.c.....	2269	4	5	5	6	4	5	5	6
Floor covering mills.....	227	4	4	5	4	4	4	5	4
Woven carpets and rugs.....	2271	2	3	3	3	2	2	3	3
Tufted carpets and rugs.....	2272	5	5	5	5	5	5	5	5
Carpets and rugs, n.e.c.....	2279	16	14	25	21	15	14	23	21
Yarn and thread mills.....	228	2	2	2	3	2	2	2	3
Yarn mills, except wool.....	2281	2	3	2	4	2	3	2	4
Throwing and winding mills.....	2282	5	7	6	8	5	7	6	8
Wool yarn mills.....	2283	3	3	4	5	3	3	4	5
Thread mills.....	2284	2	3	2	4	2	3	2	4
Miscellaneous textile goods.....	229	2	2	2	3	2	2	2	3
Felt goods, except woven felts and hats..	2291	5	7	5	7	5	7	5	7
Lace goods.....	2292	5	12	5	14	5	12	5	18
Padding and upholstery filling.....	2293	5	5	6	7	5	5	6	7
Processed textile waste.....	2294	5	6	6	9	5	6	6	9
Coated fabrics, not rubberized.....	2295	2	3	3	5	2	3	3	5
Tire cord and fabric.....	2296	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)
Nonwoven fabrics.....	2297	4	7	5	25	4	8	5	25
Cordage and twine.....	2298	3	4	4	5	3	4	4	5
Textile goods, n.e.c.....	2299	9	15	7	16	9	15	7	17
Apparel and other textile products.....	23	1	1	1	2	1	1	1	2
Men's and boys' suits and coats.....	231	4	3	6	4	4	3	6	4
Men's and boys' furnishings.....	232	1	2	2	2	1	2	2	2
Men's and boys' shirts and nightwear...	2321	3	3	4	4	3	3	4	4
Men's and boys' underwear.....	2322	2	2	4	2	2	2	2	4
Men's and boys' neckwear.....	2323	11	11	13	28	10	11	12	26
Men's and boys' separate trousers.....	2327	3	4	4	7	3	4	4	7
Men's and boys' work clothing.....	2328	2	3	3	3	2	3	3	3
Men's and boys' clothing, n.e.c.....	2329	4	4	5	6	4	4	5	6
Women's and misses' outerwear.....	233	3	3	3	5	3	3	3	5
Women's and misses' blouses and waists..	2331	4	6	5	12	4	6	5	12
Women's and misses' dresses.....	2335	6	8	8	13	7	8	8	14
Women's and misses' suits and coats.....	2337	7	13	7	11	7	12	7	10
Women's and misses' outerwear, n.e.c.....	2339	3	4	4	7	3	4	4	7

See footnotes at end of table.

**Table A-1. Continued—Relative standard errors for measures of occupational injuries and illnesses, and occupational injuries by industry, United States, 1978**

Industry	SIC code 1/	Relative standard error (percent) 2/							
		Injuries and illnesses				Injuries			
		Total cases	Lost workday cases	Nonfatal cases without lost workdays	Lost workdays	Total cases	Lost workday cases	Nonfatal cases without lost workdays	Lost workdays
Women's and children's undergarments.....	234	3	4	4	7	3	4	3	7
Women's and children's underwear.....	2341	4	5	4	9	3	5	4	9
Brassieres and allied garments.....	2342	4	6	4	7	4	6	4	7
Hats, caps, and millinery.....	235	8	15	5	17	8	15	5	18
Millinery.....	2351	6	8	6	10	6	8	6	10
Children's outerwear.....	236	4	7	5	7	4	7	5	7
Children's dresses and blouses.....	2361	6	6	7	14	6	6	7	14
Children's outerwear, n.e.c.....	2369	5	6	7	10	6	7	7	11
Miscellaneous apparel and accessories.....	238	2	3	3	5	3	3	3	5
Fabric dress and work gloves.....	2381	5	5	7	6	4	4	7	6
Robes and dressing gowns.....	2384	5	6	7	17	6	7	7	17
Waterproof outerwear.....	2385	5	7	5	13	4	7	5	13
Leather and sheep lined clothing.....	2386	10	10	16	21	10	16	16	21
Apparel belts.....	2387	6	8	6	7	6	8	6	7
Apparel and accessories, n.e.c.....	2389	5	6	7	11	5	6	7	11
Miscellaneous fabricated textile products.....	239	2	3	2	3	2	3	2	3
Curtains and draperies.....	2391	4	5	5	7	4	5	5	7
House furnishings, n.e.c.....	2392	5	7	5	8	5	7	5	8
Textile bags.....	2393	5	8	5	12	5	8	6	13
Canvas and related products.....	2394	5	7	6	10	5	7	6	10
Pleating and stitching.....	2395	7	9	8	14	7	9	8	14
Automotive and apparel trimmings.....	2396	7	9	7	7	8	10	8	8
Schiffli machine embroideries.....	2397	9	9	15	23	9	9	15	23
Fabricated textile products, n.e.c.....	2399	4	6	5	7	4	6	5	7
Paper and allied products.....	26	1	1	1	1	1	1	1	1
Pulp mills.....	261	1	3	1	2	1	3	1	2
Paper mills, except building paper.....	262	2	2	2	2	2	2	2	2
Paperboard mills.....	263	2	2	2	3	2	2	2	3
Miscellaneous converted paper products.....	264	1	2	2	2	1	2	2	2
Paper coating and glazing.....	2641	2	4	2	4	2	4	2	4
Envelopes.....	2642	2	3	2	4	2	3	2	4
Bags, except textile bags.....	2643	3	3	3	4	3	4	3	4
Die-cut paper and board.....	2645	5	6	7	5	5	6	7	5
Pressed and molded pulp goods.....	2646	5	6	6	6	5	6	6	6
Sanitary paper products.....	2647	2	3	3	3	4	3	4	3
Stationery products.....	2648	5	6	7	8	5	6	7	8
Converted paper products, n.e.c.....	2649	5	5	6	6	5	5	6	6
Paperboard containers and boxes.....	265	1	1	1	3	1	1	1	3
Folding paperboard boxes.....	2651	2	3	3	4	2	3	3	4
Set-up paperboard boxes.....	2652	3	4	4	6	3	4	4	6
Corrugated and solid fiber boxes.....	2653	2	2	2	3	2	2	2	3
Sanitary food containers.....	2654	3	4	4	12	3	4	5	12
Fiber cans, drums, and similar products.....	2655	3	4	4	5	3	4	4	5
Building paper and board mills.....	266	5	6	5	5	5	6	5	5
Printing and publishing.....	27	1	1	1	2	1	1	1	2
Newspapers.....	271	2	2	2	2	2	2	2	2
Periodicals.....	272	7	9	8	14	7	10	8	14
Books.....	273	3	3	3	5	3	4	3	5
Book publishing.....	2731	5	6	6	9	5	6	5	10
Book printing.....	2732	2	2	3	3	2	3	3	3
Miscellaneous publishing.....	274	7	8	9	12	7	8	9	12
Commercial printing.....	275	2	2	2	3	2	2	2	3
Commercial printing, letterpress.....	2751	2	3	3	5	2	3	3	5
Commercial printing, lithographic.....	2752	2	3	3	4	2	3	3	4
Engraving and plate printing.....	2753	4	6	6	22	4	6	6	22
Commercial printing, gravure.....	2754	3	2	5	4	3	2	5	4
Manifold business forms.....	276	4	4	5	7	4	4	5	7
Creating card publishing.....	277	4	4	6	4	4	4	6	4
Blankbooks and bookbinding.....	278	3	3	3	5	3	3	3	5
Blankbooks and looseleaf binders.....	2782	4	4	4	7	4	4	4	7
Bookbinding and related work.....	2789	4	4	5	7	4	4	5	8
Printing trade services.....	279	3	6	4	10	3	6	4	10
Typesetting.....	2791	6	10	7	12	6	10	7	12
Photoengraving.....	2793	7	12	7	13	7	12	7	14
Electrotyping and stereotyping.....	2794	9	(3)	12	(3)	9	(3)	12	(3)
Lithographic platemaking services.....	2795	6	9	7	27	6	9	7	28
Chemicals and allied products.....	28	1	1	1	1	1	1	1	1
Industrial inorganic chemicals.....	281	3	4	4	4	3	4	4	4
Alkalies and chlorine.....	2812	4	5	5	7	4	4	5	7
Inorganic pigments.....	2816	5	5	6	4	4	4	6	4
Industrial inorganic chemicals, n.e.c.....	2819	4	5	5	5	4	5	4	5
Plastics materials and synthetics.....	282	2	3	3	3	2	3	3	3
Plastics materials and resins.....	2821	4	5	4	3	3	4	4	4
Synthetic rubber.....	2822	3	4	3	3	3	4	3	3
Organic fibers, noncellulosic.....	2824	5	5	5	7	5	5	6	7

See footnotes at end of table.

**Table A-1. Continued—Relative standard errors for measures of occupational injuries and illnesses, and occupational injuries by industry, United States, 1978**

Industry	SIC code 1/	Relative standard error (percent) 2/							
		Injuries and illnesses				Injuries			
		Total cases	Lost workday cases	Nonfatal cases without lost workdays	Lost workdays	Total cases	Lost workday cases	Nonfatal cases without lost workdays	Lost workdays
Drugs.....	283	2	2	3	3	2	2	3	3
Biological products.....	2831	5	5	7	7	6	5	8	7
Medicinals and botanicals.....	2833	5	6	6	7	5	6	6	8
Pharmaceutical preparations.....	2834	2	2	3	4	2	2	3	4
Soap, cleaners, and toilet goods.....	284	2	2	2	3	2	2	2	3
Soap and other detergents.....	2841	4	5	5	4	4	5	5	4
Polishes and sanitation goods.....	2842	4	4	4	8	4	4	5	7
Surface active agents.....	2843	6	5	7	12	6	6	8	12
Toilet preparations.....	2844	3	4	4	5	3	4	4	5
Paints and allied products.....	285	2	3	3	5	2	3	3	5
Industrial organic chemicals.....	286	3	4	3	4	3	4	3	4
Gum and wood chemicals.....	2861	5	5	7	5	5	5	7	5
Cyclic crudes and intermediates.....	2865	6	8	6	7	5	7	5	8
Industrial organic chemicals, n.e.c.....	2869	4	6	5	4	4	4	4	4
Agricultural chemicals.....	287	3	4	4	6	3	4	4	6
Nitrogenous fertilizers.....	2873	9	10	12	10	8	10	11	10
Phosphate fertilizers.....	2874	3	6	3	4	3	6	4	4
Fertilizers, mixing only.....	2875	7	9	8	17	7	9	8	17
Agricultural chemicals, n.e.c.....	2879	5	6	6	6	5	6	6	6
Miscellaneous chemical products.....	289	2	3	3	4	2	3	3	4
Adhesives and sealants.....	2891	3	5	4	5	3	5	4	5
Explosives.....	2892	5	4	6	3	5	4	6	3
Printing ink.....	2893	5	7	6	10	5	7	6	10
Carbon black.....	2895	8	12	7	11	8	12	7	11
Chemical preparations, n.e.c.....	2899	4	6	5	6	4	6	5	6
Petroleum and coal products.....	29	2	2	2	3	2	2	2	3
Petroleum refining.....	291	3	3	3	4	3	3	3	4
Paving and roofing materials.....	295	3	4	3	4	3	4	3	4
Paving mixtures and blocks.....	2951	9	11	9	14	9	11	10	14
Asphalt felts and coatings.....	2952	2	3	2	3	2	3	2	3
Miscellaneous petroleum and coal products.....	299	4	4	5	8	4	4	5	8
Lubricating oils and greases.....	2992	4	5	5	11	4	5	5	11
Petroleum and coal products, n.e.c.....	2999	9	7	10	6	9	7	10	6
Rubber and miscellaneous plastics products..	30	1	1	1	1	1	1	1	1
Tires and inner tubes.....	301	2	2	3	2	2	2	3	2
Rubber and plastics footwear.....	302	4	5	6	6	5	5	7	6
Reclaimed rubber.....	303	1	2	2	3	1	2	2	3
Rubber and plastics hose and belting.....	304	3	2	5	2	3	2	5	2
Fabricated rubber products, n.e.c.....	306	2	2	2	3	2	2	2	3
Miscellaneous plastics products.....	307	2	2	2	2	2	2	2	2
Leather and leather products.....	31	1	1	2	2	1	1	2	2
Leather tanning and finishing.....	311	3	3	4	4	3	4	4	5
Boot and shoe cut stock and findings.....	313	4	3	4	6	3	3	4	6
Footwear, except rubber.....	314	2	2	2	3	2	2	2	3
House slippers.....	3142	4	5	5	7	4	5	6	7
Men's footwear, except athletic.....	3143	2	2	2	2	2	2	2	2
Women's footwear, except athletic.....	3144	4	3	5	7	4	3	5	5
Footwear, except rubber, n.e.c.....	3149	3	4	4	4	3	3	4	4
Leather gloves and mittens.....	315	8	8	12	9	8	8	12	9
Luggage.....	316	5	5	7	4	5	5	7	4
Handbags and personal leather goods.....	317	4	5	4	6	4	5	4	6
Women's handbags and purses.....	3171	4	6	5	8	4	6	5	8
Personal leather goods, n.e.c.....	3172	6	6	7	8	6	6	7	9
Transportation and public utilities.....	41	1	1	1	1	1	1	1	1
Local and interurban passenger transit.....	41	3	3	3	5	3	3	3	5
Trucking and warehousing.....	42	1	1	2	2	1	1	2	2
Trucking, local and long distance.....	421	1	1	2	3	1	1	2	3
Public warehousing.....	422	3	4	4	6	3	4	4	6
Trucking terminal facilities.....	423	6	9	6	15	6	9	6	15
Water transportation.....	44	3	3	4	3	3	3	4	3
Water transportation services.....	446	3	3	4	4	3	3	4	4
Transportation by air.....	45	1	1	2	2	1	1	2	2
Pipelines, except natural gas.....	46	6	7	7	12	6	7	7	12
Transportation services.....	47	5	5	6	10	5	5	6	10
Miscellaneous transportation services.....	478	8	12	8	18	8	12	8	18
Communication.....	48	3	3	5	4	3	3	5	4
Electric, gas, and sanitary services.....	49	1	1	1	2	1	1	1	2
Sanitary services.....	495	4	5	6	6	4	5	6	6

See footnotes at end of table.

**Table A-1. Continued—Relative standard errors for measures of occupational injuries and illnesses, and occupational injuries by industry, United States, 1978**

Industry	SIC code 1/	Relative standard error (percent) 2/							
		Injuries and illnesses				Injuries			
		Total cases	Lost workday cases	Nonfatal cases without lost workdays	Lost workdays	Total cases	Lost workday cases	Nonfatal cases without lost workdays	Lost workdays
Wholesale and retail trade.....		1	2	2	3	1	2	2	3
Wholesale trade.....		2	2	2	4	2	2	2	4
Wholesale trade--durable goods.....	50	3	4	3	6	3	4	3	6
Wholesale trade--nondurable goods.....	51	3	3	3	5	3	3	3	5
Retail trade.....		2	2	2	5	2	2	2	5
Building materials and garden supplies....	52	3	4	4	7	3	4	4	7
General merchandise stores.....	53	3	3	4	5	3	3	3	5
Food stores.....	54	3	3	3	15	3	3	3	15
Automotive dealers and service stations...	55	2	3	2	6	2	3	2	6
Apparel and accessory stores.....	56	6	9	7	16	6	8	7	16
Furniture and home furnishings stores.....	57	5	6	6	8	5	6	6	8
Eating and drinking places.....	58	5	6	5	12	5	6	5	12
Miscellaneous retail.....	59	5	7	6	14	5	7	6	13
Finance, insurance, and real estate.....		2	3	3	6	2	3	3	6
Banking.....	60	5	7	6	15	5	7	6	13
Credit agencies other than banks.....	61	6	12	7	16	6	11	7	16
Security, commodity brokers, and services...	62	8	8	10	15	8	8	10	15
Insurance carriers.....	63	4	5	4	8	4	5	4	8
Insurance agents, brokers and service.....	64	10	16	11	-	10	16	12	-
Real estate.....	65	5	6	6	8	5	6	6	8
Services.....		1	2	2	3	1	2	2	3
Hotels and other lodging places.....	70	2	3	3	6	2	3	3	6
Personal services.....	72	5	5	6	10	5	5	6	11
Business services.....	73	5	6	5	10	5	6	5	10
Auto repair, services, and garages.....	75	5	6	6	9	5	6	6	9
Miscellaneous repair services.....	76	5	6	6	9	5	6	6	9
Miscellaneous repair shops.....	769	6	7	7	10	6	7	7	11
Motion pictures.....	78	6	9	7	24	6	9	7	25
Amusement and recreation services.....	79	7	6	10	8	7	6	10	8
Health services.....	80	2	2	3	4	2	2	3	4
Educational services.....	82	4	6	5	11	5	6	5	12
Social services.....	83	5	5	6	8	5	5	6	8
Museums, botanical and zoological gardens.....	84	5	6	6	7	5	6	6	8
Miscellaneous services.....	89	6	8	7	20	6	8	7	21

<sup>1</sup> Standard Industrial Classification Manual, 1972 Edition.

<sup>2</sup> See discussion of reliability of estimates.

<sup>3</sup> Relative standard error of zero or less than 0.5.

Relative standard errors were not calculated for mining division, coal and lignite mining (SIC 11-12), metal and nonmetal mining and quarrying (SIC 10 and 14), and railroad transportation (SIC 40).

NOTE: Dashes indicate data that do not meet publication guidelines.

n.e.c. = not elsewhere classified.

**Table A-2. Relative standard errors for injury and illness fatalities by industry division, United States, 1978**

Industry	Relative standard error (percent) 1/
Private sector.....	8
Agriculture, forestry, and fishing....	26
Mining.....	8
Construction.....	23
Manufacturing.....	3
Transportation and public utilities....	7
Wholesale and retail trade.....	23
Finance, insurance, and real estate...	34
Services.....	54

<sup>1</sup> See discussion of reliability of estimates.

**Table A-3. Relative standard errors for measures of occupational illnesses by industry, United States, 1978**

Industry	SIC code 1/	Relative standard error (percent) 2/		Industry	SIC code 1/	Relative standard error (percent) 2/	
		Total cases	Lost workday cases			Total cases	Lost workday cases
Private sector.....		1	2	Transportation and public utilities continued.			
Agriculture, forestry, and fishing.....		7	12	Water transportation.....	44	12	13
Agricultural production.....	01-02	8	11	Transportation by air.....	45	2	2
Agricultural services.....	07	14	25	Pipelines, except natural gas.....	46	36	-
Forestry.....	08	16	55	Transportation services.....	47	47	-
Fishing, hunting, and trapping.....	09	27	30	Communication.....	48	10	12
Mining.....				Electric, gas, and sanitary services.....	49	4	6
Oil and gas extraction.....	13	14	23	Wholesale and retail trade.....		9	13
Construction.....		7	16	Wholesale trade.....		13	18
General building contractors.....	15	11	16	Wholesale trade—durable goods.....	50	20	22
Heavy construction contractors.....	16	10	24	Wholesale trade—nondurable goods.....	51	17	27
Special trade contractors.....	17	13	28	Retail trade.....		12	17
Manufacturing.....		1	1	Building materials and garden supplies....	52	30	43
Durable goods.....		1	1	General merchandise stores.....	53	27	43
Lumber and wood products.....	24	4	5	Food stores.....	54	19	24
Furniture and fixtures.....	25	3	5	Automotive dealers and service stations...	55	18	29
Stone, clay, and glass products.....	32	3	4	Apparel and accessory stores.....	56	34	-
Primary metal industries.....	33	3	3	Furniture and home furnishings stores....	57	33	48
Fabricated metal products.....	34	2	2	Eating and drinking places.....	58	30	40
Machinery, except electrical.....	35	2	2	Miscellaneous retail.....	59	37	-
Electric and electronic equipment.....	36	2	2	Finance, insurance, and real estate.....		14	20
Transportation equipment.....	37	2	2	Banking.....	60	47	59
Instruments and related products.....	38	2	3	Credit agencies other than banks.....	61	33	56
Miscellaneous manufacturing industries....	39	3	5	Security, commodity brokers, and services..	62	-	-
Nondurable goods.....		1	2	Insurance carriers.....	63	18	22
Food and kindred products.....	20	2	2	Insurance agents, brokers and service....	64	-	-
Tobacco manufactures.....	21	3	5	Real estate.....	65	17	26
Textile mill products.....	22	3	5	Services.....		6	7
Apparel and other textile products.....	23	5	6	Hotels and other lodging places.....	70	17	27
Paper and allied products.....	26	3	4	Personal services.....	72	19	23
Printing and publishing.....	27	5	10	Business services.....	73	34	37
Chemicals and allied products.....	28	3	5	Auto repair, services, and garages.....	75	33	59
Petroleum and coal products.....	29	6	8	Miscellaneous repair services.....	76	19	42
Rubber and miscellaneous plastics products.	30	4	5	Motion pictures.....	78	17	28
Leather and leather products.....	31	3	5	Amusement and recreation services.....	79	19	31
Transportation and public utilities.....		2	4	Health services.....	80	6	8
Local and interurban passenger transit....	41	18	26	Educational services.....	82	11	18
Trucking and warehousing.....	42	9	16	Social services.....	83	16	20
				Museums, botanical, and zoological			
				gardens.....	84	20	42
				Miscellaneous services.....	89	23	27

<sup>1</sup> Standard Industrial Classification Manual, 1972 Edition.  
<sup>2</sup> See discussion of reliability of estimates.

NOTE: Dashes indicate data that do not meet publication guidelines. Relative standard errors were not calculated for the mining division, coal and lignite mining (SIC 11-12), metal and nonmetal mining and quarrying (SIC 10 and 14), and railroad transportation (SIC 40).

# Appendix B. OSHA No. 200S Report Form and Instructions

1978 OSHA No. 200-S  
Annual Occupational Injuries and Illnesses  
Survey Covering Calendar Year 1978

**U.S. Department of Labor**  
Bureau of Labor Statistics for the Occupational  
Safety and Health Administration



The information collected on this form will be used for statistical purposes only by the BLS, OSHA, and the cooperating State Agencies.

THIS REPORT IS MANDATORY UNDER PUBLIC LAW 91-596. FAILURE TO REPORT CAN RESULT IN THE ISSUANCE OF CITATIONS AND ASSESSMENT OF PENALTIES.

O.M.B. No. 44-R 1652  
Approval Expires: December 1980

St. Sch. No. Ck. Suf.

SIC

EDIT

Complete this report whether or not there were recordable occupational injuries or illnesses.

Complete and return ONLY THIS FORM within 3 weeks

PLEASE READ THE ENCLOSED INSTRUCTIONS

I. ANNUAL AVERAGE EMPLOYMENT IN 1978	II. TOTAL HOURS WORKED IN 1978	III. NATURE OF BUSINESS IN 1978		IV. MONTH OF OSHA INSPECTION	V. RECORDABLE INJURIES AND ILLNESSES	
<p>Enter the average number of employees who worked during calendar year 1978 in the establishment(s) covered by this report. Include all classes of employees: full-time, part-time, seasonal, temporary, etc. See the instructions for an example of an annual average employment calculation. <i>(Round to the nearest whole number.)</i></p> <div style="border: 1px solid black; height: 30px; width: 100%;"></div>	<p>Enter the total number of hours actually worked during 1978 by all employees covered by this report. DO NOT include any non-worktime even though paid such as vacations, sick leave, etc. If employees worked low hours in 1978 due to layoffs, strikes, fires, etc., explain under Comments (Section VII). <i>(Round to the nearest whole number.)</i></p> <div style="border: 1px solid black; height: 30px; width: 100%;"></div>	<p>A. Check the box which best describes the general type of activity performed by the establishment(s) included in this report.</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Agriculture</li> <li><input type="checkbox"/> Forestry</li> <li><input type="checkbox"/> Fishing</li> <li><input type="checkbox"/> Mining</li> <li><input type="checkbox"/> Construction</li> <li><input type="checkbox"/> Manufacturing</li> <li><input type="checkbox"/> Transportation</li> <li><input type="checkbox"/> Communication</li> <li><input type="checkbox"/> Public Utilities</li> <li><input type="checkbox"/> Wholesale Trade</li> <li><input type="checkbox"/> Retail Trade</li> <li><input type="checkbox"/> Finance</li> <li><input type="checkbox"/> Insurance</li> <li><input type="checkbox"/> Real Estate</li> <li><input type="checkbox"/> Services</li> <li><input type="checkbox"/> Public Administration</li> </ul>	<p>B. Enter in order of importance the principal products, lines of trade, services or other activities. For each entry also include the approximate percent of total 1978 annual value of production, sales or receipts.</p> <p>_____ %</p> <p>_____ %</p> <p>_____ %</p>	<p>C. If this report includes any establishment(s) which perform services for other units of your company, indicate the primary type of service or support provided. <i>(Check as many as apply.)</i></p> <ul style="list-style-type: none"> <li>1. <input type="checkbox"/> Central administration</li> <li>2. <input type="checkbox"/> Research, development and testing</li> <li>3. <input type="checkbox"/> Storage (warehouse)</li> <li>4. <input type="checkbox"/> Other (specify) _____</li> </ul>	<p>If the establishment(s) covered by this report had either a Federal or State OSHA compliance inspection during calendar year 1978, please enter the name of the month in which the first inspection occurred.</p> <p>_____</p> <p>(Leave this box blank.) <span style="border: 1px solid black; display: inline-block; width: 30px; height: 15px; vertical-align: middle;"></span></p>	<p>Indicate below whether the employees covered by this report experienced during calendar year 1978 any:</p> <p>A. Recordable INJURIES 1. <input type="checkbox"/> No 2. <input type="checkbox"/> Yes</p> <p>B. Recordable ILLNESSES 1. <input type="checkbox"/> No 2. <input type="checkbox"/> Yes</p> <p>If you answered "Yes" to either of the above. ENTER the DATA in Section VI and complete Section VII.</p> <p>If you answered "No" to both, complete only Section VII.</p> <p><b>SEE REVERSE</b> →</p>

**REPORT LOCATION AND IDENTIFICATION**

Complete this report for the establishment(s) covered by the description below:

To:

**RETURN REPORT TO:**

**VI. OCCUPATIONAL INJURY AND ILLNESS SUMMARY (Covering Calendar Year 1978)**

- Complete this section by copying the totals from the annual summary of your 1978 OSHA No. 200.
- Leave Section VI blank if there were no OSHA recordable injuries or illnesses during 1978.
- Please check your figures to be certain that the sum of entries in columns (7a) + (7b) + (7c) + (7d) + (7e) + (7f) + (7g) = the sum of entries in columns (8) + (9) + (13).
- Note: First aid even when administered by a doctor or nurse is not recordable.

**OCCUPATIONAL INJURY CASES**

**OCCUPATIONAL ILLNESS CASES**

Injury-Related Fatalities	Injuries with Lost Workdays				Injuries Without Lost Workdays	Type of Illness: Enter the number of checks from the appropriate columns in the log.							Illness-Related Fatalities	Illnesses with Lost Workdays				Illnesses Without Lost Workdays
	Total lost workday injuries	Total injuries involving days away from work	Days away from work	Days of restricted work activity		Occupational skin diseases or disorders	Dust diseases of the lungs	Respiratory conditions due to toxic agents	Poisoning (systemic effects of toxic materials)	Disorders due to physical agents	Disorders associated with repeated trauma	All other occupational illnesses		Total lost workday illnesses	Total illnesses involving days away from work	Days away from work	Days of restricted work activity	
Number of entries in col. 1 of the log	Number of checks in col. 2 of the log	Number of checks in col. 3 of the log	Sum of days in col. 4 of the log	Sum of days in col. 5 of the log	Number of checks in col. 6 of the log	(a)	(b)	(c)	(d)	(e)	(f)	(g)	Number of entries in col. 8 of the log	Number of checks in col. 9 of the log	Number of checks in col. 10 of the log	Sum of days in col. 11 of the log	Sum of days in col. 12 of the log	Number of checks in col. 13 of the log
(1)	(2)	(3)	(4)	(5)	(6)	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(8)	(9)	(10)	(11)	(12)	(13)

**VII. COMMENTS**

**REPORT PREPARED BY** (please print or type)

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**TITLE** \_\_\_\_\_

**SIGNATURE** \_\_\_\_\_

**AREA CODE AND PHONE** \_\_\_\_\_

**DATE** \_\_\_\_\_

#### SURVEY REPORTING REGULATIONS

Title 29, Part 1904.20-22 of the Code of Federal Regulations requires that: each employer shall return the completed survey form, OSHA No. 200-S, within 3 weeks of receipt in accordance with the instructions shown below.

### INSTRUCTIONS FOR COMPLETING THE OSHA NO. 200-S FORM 1978 OCCUPATIONAL INJURIES AND ILLNESSES SURVEY (Covering Calendar Year 1978)

**Change of Ownership**—When there has been a change of ownership during the report period, only the records of the current owner are to be entered in the report. Explain fully under Comments (Section VII).

**Partial-Year Reporting**—For any establishment(s) which was not in existence for the entire report year, the report should cover the portion of the period during which the establishment(s) was in existence. Explain fully under Comments (Section VII).

#### ESTABLISHMENTS INCLUDED IN THE REPORT

This report should include only those establishments located in, or identified by, the Report Location and Identification designation which appears next to your mailing address. This designation may be a geographical area, usually a county or city, or it could be a brief description of your operation within a geographical area. If you have any questions concerning the coverage of this report, please contact the agency identified on the OSHA No. 200-S report form.

#### DEFINITION OF ESTABLISHMENT

An **ESTABLISHMENT** is defined as a single physical location where business is conducted or where services or industrial operations are performed. (For example: a factory, mill, store, hotel, restaurant, movie theatre, farm, ranch, bank, sales office, warehouse, or central administrative office.)

For firms engaged in activities such as construction, transportation, communication, or electric, gas and sanitary services, which may be physically dispersed, reports should cover the place to which employees normally report each day.

Reports for personnel who do not primarily report or work at a single establishment, such as traveling salesmen, technicians, engineers, etc., should cover the location from which they are paid or the base from which personnel operate to carry out their activities.

- 1 -

#### SECTION I. ANNUAL AVERAGE EMPLOYMENT IN 1978

Enter in Section I the **average** number of full and part-time employees who worked during calendar year 1978 in the establishment(s) included in this report. If more than one establishment is included in this report, add together the annual average employment for each establishment and enter the sum. Include all classes of employees—seasonal, temporary, administrative, supervisory, clerical, professional, technical, sales, delivery, installation, construction and service personnel, as well as operators and related workers.

Annual Average employment should be computed by summing the employment from all pay periods during 1978 and then dividing that sum by the total number of such pay periods throughout the entire year, including periods with no employment. For example, if you had the following monthly employment—Jan.-10; Feb.-10; Mar.-10; Apr.-5; May-5; June-5; July-5; Aug.-0; Sept.-0; Oct.-0; Nov.-5; Dec.-5—you would sum the number of employees for each monthly pay period (in this case, 60) and then divide that total by 12 (the number of pay periods during the year) to derive an annual average employment of 5.

#### SECTION II. TOTAL HOURS WORKED IN 1978

Enter in Section II the **total** number of hours actually worked by all classes of employees during 1978. Be sure to include **ONLY** time on duty. **DO NOT include any non-work time** even though paid, such as vacations, sick leave, holidays, etc. The hours worked figure should be obtained from payroll or other time records wherever possible; if **hours worked** are not maintained separately from **hours paid**, please enter your best estimate. If actual hours worked are not available for employees paid on commission, salary, by the mile, etc., hours worked may be estimated on the basis of scheduled hours or 8 hours per workday.

For example, if a group of 10 salaried employees worked an average of 8 hours per day, 5 days a week, for 50 weeks of the report period, the total hours worked for this group would be  $10 \times 8 \times 5 \times 50 = 20,000$  hours for the report period.

#### SECTION III. NATURE OF BUSINESS IN 1978

In order to verify the nature of business code, we must have information about the specific economic activity carried on by the establishment(s) included in your report during calendar year 1978.

Complete Parts A, B and C as indicated in Section III on the OSHA No. 200-S form. Complete Part C **only** if supporting services are provided to other establishments of your company. Leave Part C blank if a) supporting services are not the primary function of any establishment(s) included in this report or b) supporting services are provided but only on a **contract or fee basis** for the general public or for other business firms. (Instructions continued on page 2.)



**NOTE:** If more than one establishment is included, information in Section III should reflect the combined activities of all such establishments. One code will be assigned which best indicates the nature of business of the group of establishments as a whole.

#### SECTION IV. MONTH OF OSHA INSPECTION

Enter the name of the first month in 1978 during which your establishment(s) had an OSHA compliance inspection. Include inspections under the Federal or State equivalents of the Occupational Safety and Health Act by Federal or State inspectors and other inspections which may result in penalties for violations of safety and health standards. Do not include inspections limited to elevators, boilers, fire safety or those which are consultative in nature.

#### SECTION V. RECORDABLE INJURIES OR ILLNESSES

Check the appropriate boxes in both Parts A and B. If you checked "Yes" in either A or B, complete Sections VI and VII on the back of the form. If you checked "No" in both A and B, complete only Section VII.

#### SECTION VI. OCCUPATIONAL INJURY AND ILLNESS SUMMARY

This section can be completed easily by copying the totals from the annual summary of your 1978 OSHA No. 200 form (Log and Summary of Occupational Injuries and Illnesses). Please note that if this report covers **more** than one establishment, the final totals on the "Log" for each must be added and the sums entered in Section VI.

Leave Section VI **blank** if the employees covered in this report experienced no recordable injuries or illnesses during 1978.

If there were recordable injuries or illnesses during the year, please review your OSHA No. 200 form for each establishment to be included in this report to make sure that all entries are correct and complete before completing Section VI. Each recordable case should be included on the "Log" in only **one** of the six main categories of injuries or illnesses:

1. INJURY—related deaths (Log column 1)
2. INJURIES with lost workdays (Log column 2)
3. INJURIES without lost workdays (Log column 6)
4. ILLNESS—related deaths (Log column 8)
5. ILLNESSES with lost workdays (Log column 9)
6. ILLNESSES without lost workdays (Log column 13)

Also review each case to ensure that the appropriate entries have been made for the other columns if applicable. For example, if the case is an Injury with Lost Workdays, be sure that the check for an injury involving **days away from work** (Log column 3) is entered if necessary. Also verify that the correct number of **days away from work** (Log column 4) and/or days of restricted work activity (Log column 5) are recorded. A similar review should be made for a case which is an Illness with Lost Workdays (including Log columns 10, 11 and 12). Please remember that if your employees' loss of workdays is still continuing at the time the annual summary for the year is completed, you should estimate the number of future workdays they will lose and add this estimate to the actual workdays already lost.

Also, for each case which is an Illness, make sure that the appropriate column indicating Type of Illness (Log columns 7a-7g) is checked.

After completing your review of the individual case entries on the "Log," please make sure that the "Totals" line has been completed by summarizing Columns 1 through 13 according to the instructions on the back of the "Log" form. Then, copy these "Totals" onto Section VI of the OSHA No. 200-S form.

#### FIRST AID

Finally, please remember that all injuries which, in your judgement, required **only First Aid Treatment**, even when administered by a doctor or nurse, should not be included in this report. First Aid Treatment is defined as one-time treatment and subsequent observation of minor scratches, cuts, burns, splinters, etc., which do not ordinarily require medical care.

#### SECTION VII. COMMENTS AND IDENTIFICATION

Please complete all parts including your area code and telephone number. Then return the OSHA No. 200-S form in the pre-addressed envelope. **KEEP** your file copy. GPO 937-450

# Appendix C. State Agencies Participating in the 1978 Survey

The 1978 survey was conducted in cooperation with agencies which received operating grants in 39 States, the District of Columbia, American Samoa, Guam, Puerto Rico, and the Virgin Islands. These agencies shared half the cost with the Federal Government for collecting, processing, analyzing, and publishing the survey data. Also, national data for 5 of the 11 States which did not have operating grants were collected by the Bureau of Labor Statistics and for the other 6—Colorado, Mississippi, New Jersey, New York, Ohio, and Texas—under contract. Following are the State agencies which received operating grants:

Alabama Department of Labor  
Alaska Department of Labor  
American Samoa Department of Manpower Resources  
Arizona Industrial Commission  
Arkansas Department of Labor

California Department of Industrial Relations  
Connecticut Labor Department  
Delaware Department of Labor  
District of Columbia Department of Labor  
Florida Department of Labor and Employment  
Security  
Guam Department of Labor

Hawaii Department of Labor and Industrial  
Relations  
Idaho Industrial Commission  
Indiana Division of Labor  
Iowa Bureau of Labor  
Kansas Department of Health and Environment

Kentucky Department of Labor  
Louisiana Department of Labor  
Maine Department of Manpower Affairs  
Maryland Department of Licensing and Regulation  
Massachusetts Department of Labor and Industries

Michigan Department of Labor  
Minnesota Department of Labor and Industry  
Missouri Department of Labor and Industrial  
Relations  
Montana Workers' Compensation  
Nebraska Workmen's Compensation Court  
  
Nevada Department of Occupational Safety  
and Health  
New Mexico Health and Environment Department  
North Carolina Department of Labor  
Oregon Workers' Compensation Department  
Pennsylvania Department of Labor and Industry  
  
Puerto Rico Department of Labor and Human  
Resources  
Rhode Island Department of Labor  
South Carolina Department of Labor  
South Dakota Department of Health  
Tennessee Department of Labor  
  
Utah Industrial Commission  
Vermont Department of Labor and Industry  
Virgin Islands Department of Labor  
Virginia Department of Labor and Industry  
Washington Department of Labor and Industries  
  
West Virginia Department of Labor  
Wisconsin Department of Industry, Labor and  
Human Relations  
Wyoming Department of Labor and Statistics

Requests for data by industry for the States listed above can be obtained directly from these agencies or by contacting the Bureau of Labor Statistics regional office which services your area. Addresses and telephone numbers of the regional offices are found on the inside back cover.

## Appendix D. Glossary of Terms

Average lost workdays per lost workday case	The number of workdays lost divided by the number of lost workday cases.
Cooperative program	A program jointly conducted by the States and the Federal Government to collect injury and illness statistics.
Employment-size group	A grouping of establishments with a specified range of employment.
Incidence rate	<p><i>Mean.</i> Number of injuries and/or illnesses, or lost workdays experienced by 100 full-time workers. The rate is calculated as:</p> $\frac{N}{EH} \times 200,000 \text{ where}$ <p>N = number of occupational injuries and/or illnesses, or lost workdays</p> <p>EH = total hours worked by all employees during calendar year</p> <p>200,000 = base for 100 full-time equivalent workers (working 40 hours per week, 50 weeks per year).</p> <p>The <i>fatality rate</i>, however, represents the number of fatalities per 10,000 workers.</p> <p><i>Median.</i> The middle measure in the distribution—one-half of the establishments have an incidence rate more than and half less than the median rate.</p> <p><i>Middle range.</i> Defined by two measures—one-fourth of the establishments have a rate less than the first quartile and one-fourth a rate more than the third quartile rate.</p>
Lost workday cases	<p>Cases which involve days away from work, or days of restricted work activity, or both</p> <ol style="list-style-type: none"><li>(1) <i>Lost workday cases involving days away from work:</i> Those cases which result in days away from work, or a combination of days away from work and days of restricted work activity.</li><li>(2) <i>Lost workday cases involving restricted work activity:</i> Those cases which result in restricted work activity only.</li></ol>
Lost workdays	The number of workdays (consecutive or not) the employee was away from work or limited to restricted work activity because of an occupational injury or illness.

- (1) *Lost workdays away from work:* The number of workdays (consecutive or not) on which the employee would have worked but could not because of occupational injury or illness.
- (2) *Lost workdays stricted work activity:* The number of workdays (consecutive or not) on which, because of injury or illness: (1) The employee was assigned to another job on a temporary basis, or (2) the employee worked at a permanent job less than full time, or (3) the employee worked at a permanently assigned job but could not perform all duties normally connected with it.

*The number of days away from work or days of restricted work activity* does not include the day of injury or onset of illness or any days on which the employee would not have worked even though able to work.

#### Medical treatment

Includes treatment administered by a physician or by registered professional personnel under the standing orders of a physician. Medical treatment does *not* include first-aid treatment (one-time treatment and subsequent observation of minor scratches, cuts, burns, splinters, and so forth, which do not ordinarily require medical care) even though provided by a physician or registered professional personnel.

#### Occupational illness

Any abnormal condition or disorder, other than one resulting from an occupational injury, caused by exposure to environmental factors associated with employment. It includes acute and chronic illnesses or diseases which may be caused by inhalation, absorption, ingestion, or direct contact, and which can be included in the categories listed below. The following categories were used by employers to classify recordable occupational illnesses:

- (21) Occupational skin diseases or disorders. Examples: Contact dermatitis, eczema, or rash caused by primary irritants and sensitizers or poisonous plants; oil acne; chrome ulcers; chemical burns or inflammations; etc.
- (22) Dust diseases of the lungs (pneumoconioses). Examples: Silicosis, asbestosis, coal worker's pneumoconioses, byssinosis, and other pneumoconioses
- (23) Respiratory conditions due to toxic agents. Examples: Pneumonitis, pharyngitis, rhinitis or acute congestion due to chemicals, dusts, gases, or fumes; farmer's lung; etc.
- (24) Poisoning (systemic effects of toxic materials). Examples: Poisoning by lead, mercury, cadmium, arsenic, or other metals; poisoning by carbon monoxide, hydrogen sulfide, or other gases; poisoning by benzol, carbon tetrachloride, or other organic solvents; poisoning by insecticide

sprays such as parathion, lead arsenate; poisoning by other chemicals such as formaldehyde, plastics, and resins; etc.

- (25) Disorders due to physical agents (other than toxic materials). Examples: Heatstroke, sunstroke, heat exhaustion, and other effects of environmental heat; freezing, frostbite, and effects of exposure to low temperatures; caisson disease; effect of ionizing radiation (isotopes, X-rays, radium); effects of non-ionizing radiation (welding flash, ultraviolet rays, microwaves, sunburn); etc.
- (26) Disorders associated with repeated trauma. Examples: Noise-induced hearing loss; synovitis, tenosynovitis, and bursitis; Raynaud's phenomena; and other conditions due to repeated motion, vibration, or pressure.
- (29) All other occupational illnesses. Examples: Anthrax, brucellosis, infectious hepatitis, malignant and benign tumors, food poisoning, histoplasmosis, coccidioidomycosis, etc.

**Occupational injury**

Any injury such as a cut, fracture, sprain, amputation, etc., which results from a work accident or from exposure involving a single incident in the work environment.

**Occupational injuries and illnesses**

Any occupational injury or illness resulting in:

- (1) *Fatalities*, regardless of the time between the injury and death, or the length of the illness; or
- (2) *Lost workday cases*; other than fatalities, that result in lost workdays; or
- (3) *Nonfatal cases without lost workdays*, which result in transfer to another job or termination of employment, or require medical treatment, or involve loss of consciousness, or restriction of work or motion. This category also includes any diagnosed occupational illnesses which are reported to the employer but are not classified as fatalities or lost workday cases.

**Report form**

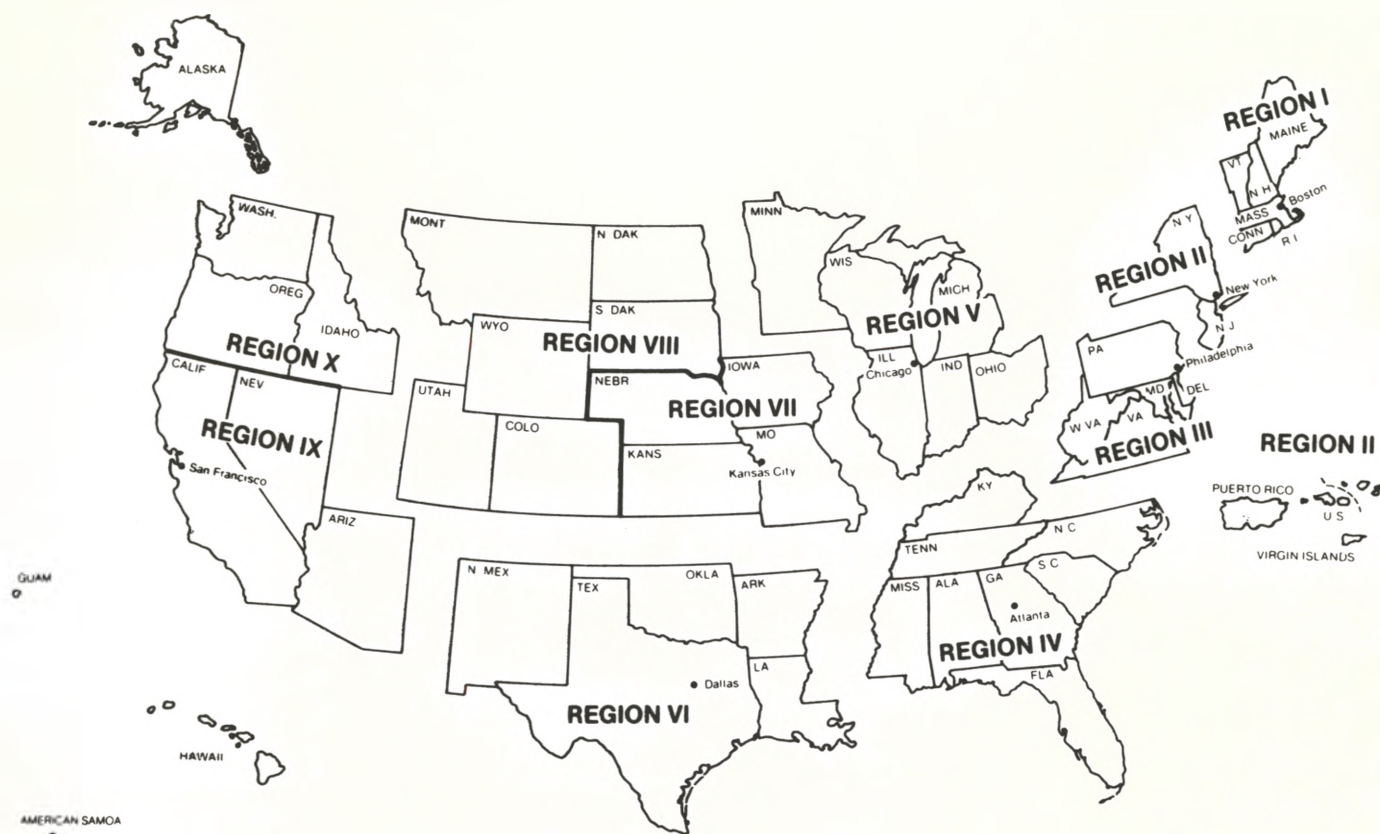
Refers to survey form OSHA No. 200S which is completed and returned by the selected sample unit.

**Standard Industrial Classification (SIC)**

A classification system developed by the Office of Management and Budget, Executive Office of the President, for use in the classification of establishments by type of activity in which engaged. Each establishment is assigned an industry code for its major activity which is determined by the product or group of products, or services rendered. Establishments may be classified in 2-digit, 3-digit, or 4-digit industries, according to the degree of information available.

# Bureau of Labor Statistics

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