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# Occupational Injuries and Illnesses in the United States by Industry, 1984



U.S. Department of Labor  
Bureau of Labor Statistics  
May 1986

Bulletin 2259



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# Occupational Injuries and Illnesses in the United States by Industry, 1984

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U.S. Department of Labor  
William E. Brock, Secretary

Bureau of Labor Statistics  
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May 1986

Bulletin 2259

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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. Estimates represent the injury and illness experience of employers in private sector establishments for 1983 and 1984. Report forms were mailed to employers in the year following the reference year of each survey.

This bulletin was prepared in the Office of Occupational Safety and Health Statistics, William M. Eisenberg, Acting Associate Commissioner, under the direction of John Inzana by Elyce Anne Biddle, Diane M.

Cotter, Beverly Gray, Janet Macon, and Chao Ling Wang of the Division of Periodic Surveys. Data were collected and tabulated in the Office of Survey Processing in cooperation with the regional offices of the Bureau of Labor Statistics and the State agencies which received Federal funds for participating in the Annual Survey of Occupational Injuries and Illnesses.

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# Definitions

The definitions of occupational injuries and illnesses and lost workdays are from *Recordkeeping Requirements under the Occupational Safety and Health Act of 1970*.

*Recordable occupational injuries and illnesses are:*

1. Occupational deaths, regardless of the time between injury and death, or the length of the illness; or
2. Nonfatal occupational illnesses; or
3. Nonfatal occupational injuries which involve one or more of the following: Loss of consciousness, restriction of work or motion, transfer to another job, or medical treatment (other than first aid).

*Occupational injury* is 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 illness* is 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 disease which may be caused by inhalation, absorption, ingestion, or direct contact.

*Lost workday cases* are cases which involve days away from work, or days of restricted work activity, or both.

1. *Lost workday cases involving days away from work* are those cases which result in days away from work, or a combination of days away from work and days of restricted work activity.
2. *Lost workday cases involving restricted work activity* are those cases which result in restricted work activity only.

*Lost workdays—away from work* are the number of workdays (consecutive or not) on which the employee would have worked but could not because of occupational injury or illness.

*Lost workdays—restricted work activity* are 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.

*Incidence rates* represent the number of injuries and/or illnesses or lost workdays per 100 full-time workers and were calculated as:  $(N/EH) \times 200,000$  where:

- |         |   |
|---------|---|
| N       | = number of injuries and/or 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). |



# Occupational Injuries and Illnesses, 1984

## Total Injuries and Illnesses

### Incidence rates (per 100 full-time workers)

For every 100 full-time workers in the private sector in 1984, eight injuries or illnesses were reported, for an incidence rate of 8.0. This estimate was based on reports of work-related cases resulting in death, diagnosed illness, and those injuries requiring medical treatment beyond first-aid. It represents the experience of approximately 79 million workers throughout the private sector of the U.S. economy. Farms with fewer than 11 employees were not included in this estimate.

The rise in the injury and illness incidence rate for all industries from 1983 to 1984 was about 5 percent. (See text table 1 for rates.) Although the 1984 rate is counter to the general downward trend since 1979, it is below the rates of all years prior to 1982. Moreover, the rate has decreased by nearly 40 percent since the record high of 11.0 in 1973.

**Text table 1. Occupational injury and illness incidence rates per 100 full-time workers, 1972-84<sup>1</sup>**

Year	Injuries and illnesses			
	Total cases	Lost workday cases	Nonfatal cases without lost workdays	Lost workdays
1972 .....	10.9	3.3	7.6	47.9
1973 .....	11.0	3.4	7.5	53.3
1974 .....	10.4	3.5	6.9	54.6
1975 .....	9.1	3.3	5.8	56.1
1976 .....	9.2	3.5	5.7	60.5
1977 .....	9.3	3.8	5.5	61.6
1978 <sup>2</sup> .....	9.4	4.1	5.3	63.5
1979 <sup>2</sup> .....	9.5	4.3	5.2	67.7
1980 .....	8.7	4.0	4.7	65.2
1981 .....	8.3	3.8	4.5	61.7
1982 .....	7.7	3.5	4.2	58.7
1983 <sup>2</sup> .....	7.6	3.4	4.2	58.5
1984 <sup>2</sup> .....	8.0	3.7	4.3	63.4

<sup>1</sup> The incidence rates represent the number of injuries or lost workdays per 100 full-time workers. See definitions for method of calculation.

<sup>2</sup> To maintain the comparability of the survey data for these years with the rest of the series, a statistical method was developed for generating the estimates to represent small nonfarm employers in low-risk industries who were not surveyed.

NOTE: Data for 1972 did not include estimates for agricultural production, railroads, and most of mining. Data for 1975-84 exclude farms with fewer than 11 employees.

As in the past, meatpacking plants (SIC 2011), mobile homes (SIC 2451), and structural wood members, experienced the highest injury and illness incidence rates in the private sector (text table 2). Of the 10 industries with the highest injury and illness incidence rates, two experienced a decline in rates from the 1983 levels. Structural wood members, n.e.c. declined by 4 percent, and self-contained mobile homes (SIC 3716) declined by 2 percent. Both industries maintained their 1983 rank order. The largest overall increase in the rates—just over 70 percent in 1983—occurred in hoists, cranes, and monorails (SIC 3536). This industry jumped to 8th place in 1984 from 119th place in 1983. The 10 industries in this list were from the manufacturing division.

### Number of injuries and illnesses

During 1984, there were approximately 5.4 million incidents of occupational injuries and illnesses. This is an increase of 12 percent over the 1983 figure of about 4.9 million. The largest increase in total cases was in the mining division. The smallest increase occurred in the finance, insurance, and real estate division. The goods-producing sector saw an increase of 13 percent over 1983 while the service-producing sector experienced a 10-percent increase in total cases.

The goods-producing sector contributed roughly one-half of the total cases while employing about one-third of the private sector workers. The manufacturing division alone accounted for about 40 percent of these cases while having 25 percent of the workers. On the other hand, slightly less than half of all injury and illness cases occurred in the service-producing sector, which employed nearly 70 percent of the workforce in 1984.

As in years past, the majority of cases were injuries. Illness cases constituted only 2 percent of the total number of cases estimated for 1984. The largest proportion of illness cases was in agriculture, forestry, and fishing and in manufacturing, each having about 4 percent. The smallest was in wholesale and retail trade with less than 1 percent.

## Injuries

An occupational injury is any injury which results from a work-related accident or from exposure involving a single incident in the work environment. All in-

**Text table 2. Industries with the highest injury and illness incidence rates in 1984 and percent change from 1983**

SIC code <sup>1</sup>	Industry	1984		1983		Percent change
		Rank	Incidence rate <sup>2</sup>	Rank	Incidence rate <sup>2</sup>	
2011	Meatpacking plants .....	1	33.4	1	31.4	6.4
2451	Mobile homes .....	2	30.7	2	29.8	3.0
2439	Structural wood members, n.e.c. ....	3	24.8	3	28.5	-13.0
2452	Prefabricated wood .....	4	26.6	7	22.1	20.4
3716	Self-contained mobile homes .....	5	24.9	5	25.5	-2.4
3581	Automatic merchandising machines .....	6	24.6	18	19.6	25.5
3261	Vitreous plumbing fixtures .....	7	24.4	19	19.5	25.1
3536	Hoists, cranes, and monorails .....	8	24.1	119	14.1	70.9
3316	Cold finishing of steel shapes .....	9	22.9	29	18.8	21.8
3031	Reclaimed rubber .....	10	22.8	22	19.3	18.1

<sup>1</sup> *Standard Industrial Classification Manual*, 1972 Edition, and 1977 Supplement.

<sup>2</sup> The incidence rates represent the number of injuries and illnesses

per 100 full-time workers. See definitions for method of calculation.

n.e.c. = not elsewhere classified.

juries involving death, lost worktime, restriction of work or motion, loss of consciousness, transfer to another job, or medical treatment other than first aid are recorded.

### Incidence rates (per 100 full-time workers)

Occupational injuries occurred at a rate of 7.8 cases per 100 full-time workers during 1984. Finance, insurance, and real estate continued to experience the lowest incidence rate, 1.9. Construction, with a rate of 15.4, continued as the highest industry division. Injury rates in all industry divisions rose except for agriculture, forestry, and fishing and for finance, insurance, and real estate, which remained the same. The largest increase—14 percent—occurred in the mining division. The goods-producing sector (agriculture, forestry, and fishing; mining; construction; and manufacturing) had the highest rate, 11.0 per 100 full-time workers. The service-producing sector (services; wholesale and retail trade; transportation and public utilities; and finance, insurance, and real estate) had a lower rate—6.0.

The rate for work-related injuries continued to be highest in the employment size group of 100 to 249 workers. In this category, mining recorded the largest increase, while finance, insurance, and real estate showed the largest decrease. The private sector rates increased in all employment size groups, except for establishments with 1,000 to 2,499 employees, which showed no change.

### Number of injuries

In 1984, about 5.3 million injuries occurred compared with 4.7 million in 1983. About 60 percent of the increase, or 311,000 cases, was in the goods-producing sector. The greatest increase was in the mining industry with a jump of 19 percent. Oil and gas extraction (SIC 13) was the primary contributor to the mining division increase, adding approximately 73,000 cases or about

one-fifth of the total. In construction, the increase was primarily among general building contractors (SIC 15) and special trade contractors (SIC 17). Most of the increase in the manufacturing division was related to increases in the following durable goods industries: Fabricated metal products (SIC 34), machinery, except electrical (SIC 35), electric and electronic equipment (SIC 36), and transportation equipment (SIC 37).

In the service-producing sector, the number of injury cases rose by 236,000 in 1984. About 60 percent of the increase came from seven industries—trucking and warehousing (SIC 42), transportation by air (SIC 45), wholesale trade in durable goods (SIC 50), food stores (SIC 54), eating and drinking places (SIC 58), hotels and other lodging places (SIC 70), and business services (SIC 73).

The manufacturing industry accounted for the largest proportion of all occupational injury cases, nearly 40 percent, while contributing about 25 percent of the total hours worked. Within manufacturing, almost two-thirds of all injury cases were in durable goods industries. Agriculture, forestry, and fishing; mining; and finance, insurance, and real estate each contributed less than 2 percent of the total number of occupational injury cases.

## Illnesses

An occupational illness is any abnormal condition or disorder, other than one resulting from an occupational injury, caused by exposure to environmental factors associated with employment. Acute and chronic illnesses or diseases which may be caused by inhalation, absorption, ingestion, or direct contact are included. Occupational illnesses measured in the survey cover the number of new illness cases recorded during the year. The survey does not measure continuing conditions reported in previous years. Illnesses are recorded only

for the year in which they are recognized as work related.

The recording and reporting of illnesses continue to present measurement problems in that employers (and even physicians) are often unable to recognize some illnesses as being work related. To the extent that occupational illnesses are unrecognized and therefore unreported, the survey underestimates their occurrence.

### Incidence rates (per 10,000 full-time workers)

During 1984, occupational illnesses occurred at a rate of approximately 18 per 10,000 full-time workers for the private sector. Incidence rates by division ranged from 3.7 in finance, insurance, and real estate to 43.8 in agriculture, forestry, and fishing and in manufacturing.

### Number of cases

Approximately 124,800 occupational illnesses were recorded during 1984, compared with 106,100 in 1983, about 20 percent more. Manufacturing accounted for nearly 60 percent of all reported cases. Mining contributed the fewest cases, 1,300, or about 1 percent of the total.

The number of cases rose in all industry divisions with the exception of agriculture, forestry, and fishing, which experienced a slight decline. The greatest change from 1983 occurred in manufacturing, with a 21-percent increase.

### Distribution patterns

Prior to 1980, skin diseases or disorders consistently accounted for the plurality of all recorded occupational illness cases, between 40 and 45 percent (text table 3). Beginning in that year, a new pattern emerged. Although remaining above 40 percent until 1982, the

**Text table 3. Percent distribution of recordable occupational illnesses by category of illness, 1980-84**

Category	1980	1981	1982	1983	1984
Total illness cases . . .	100	100	100	100	100
Skin diseases and disorders . . . . .	43	41	40	37	34
Dust diseases of the lungs . . . . .	2	2	2	2	1
Respiratory conditions due to toxic agents . . . . .	9	9	8	7	9
Poisoning . . . . .	4	4	3	3	4
Disorders due to physical agents . . . . .	10	9	8	8	7
Disorders due to repeated trauma . . . . .	18	18	21	25	28
All other occupational illnesses . . . . .	15	17	18	17	17

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

percent of occupational skin diseases or disorders declined steadily. During the 5-year period, 1980-84, it dropped by more than one-fifth, from 43 percent to 34 percent.

While recorded skin diseases were declining in relative terms, disorders associated with repeated trauma were showing a steady relative increase. In 1980, this category accounted for nearly 20 percent of all recorded illness cases. By 1984, it had reached about 30 percent. The increased recognition of certain illnesses in this category, such as carpal tunnel syndrome (nerve disorder of the wrist), and hearing loss, may have contributed to the increased proportion of cases.

## Worktime Lost

Two measures are currently used as estimates of worktime lost: (1) lost workday cases, which primarily measures the occurrence of incidents; and (2) days lost, which indicates the severity of the cases. Lost worktime includes both days away from work and days of restricted work activity.

Lost workday cases include those cases which result in days away from work or a combination of days away from work and restricted work activity. Cases involving restricted activity only are those in which the employee reported to work but could not perform all the duties of the job.

### Incidence rates (per 100 full-time workers)

During 1984, lost workday cases for both injury and illness occurred at a rate of 3.7 per 100 full-time workers for the private sector, compared to a rate of 3.4 in 1983. Rates among the industry divisions ranged from 0.9 in finance, insurance, and real estate to 6.9 in construction.

For lost workday injury cases, the 1984 rate was 3.6. In this category, agriculture, forestry, and fishing showed the only divisional decrease in 1984. Mining had the greatest increase, up 20 percent in 1984.

### Number of lost worktime cases

There were approximately 2.5 million lost workday injury and illness cases in 1984, compared to about 2.2 million in 1983. The distribution of these cases was unchanged from 1983: Lost workday cases due to injuries were 98 percent of the total and lost workday cases due to illness made up the balance.

The manufacturing division had the largest number of lost workday cases, about 870,000, or 35 percent of the total. This was 44 percent of the total injury and illness cases in manufacturing. Between 51 and 59 percent of the cases in agriculture, forestry, and fishing; mining;

and transportation and public utilities involved lost workdays, as shown in the following tabulation:

<i>Industry division</i>	<i>Percent of lost workday cases</i>
Private sector .....	46
Agriculture, forestry, and fishing .....	51
Mining .....	55
Construction .....	45
Manufacturing .....	44
Transportation and public utilities .....	59
Wholesale and retail trade .....	44
Finance, insurance, and real estate .....	46
Services .....	48

The greatest change occurred in the construction division, which had an increase of 23 percent in the number of lost workday cases, to 259,000 cases in 1984 from 210,000 in 1983.

### Lost workdays

Approximately 43 million days were lost due to occupational injuries or illnesses in 1984. The average number of days lost per case was 17, unchanged from 1983.

Manufacturing industries had the greatest number of lost workdays, 14.6 million, while finance, insurance, and real estate had the fewest, 690,000 days. Average lost workdays per case ranged from 30 days in mining to 15 days in agriculture, forestry, and fishing; wholesale and retail trade; and finance, insurance, and real estate. The average number of lost workdays due to illnesses was equal to or greater than those attributable to injuries in all but three divisions: Agriculture, forestry, and fishing; mining; and services.

<i>Industry division</i>	<i>Average lost workdays</i>	
	<i>Illnesses</i>	<i>Injuries</i>
Private sector .....	20	17
Agriculture, forestry, and fishing .....	9	15
Mining .....	14	30
Construction .....	24	18
Manufacturing .....	22	17
Transportation and public utilities .....	20	20
Wholesale and retail trade .....	19	15
Finance, insurance, and real estate .....	27	15
Services .....	16	17

## Fatalities

Data for fatalities represent all private employers having 11 employees or more, except private households. The Mine Safety and Health Administration of the Department of Labor and the Federal Railroad Administration of the Department of Transportation supplied data on fatalities in coal, metal and nonmetal min-

ing, and railroads but did not provide data on the objects or events which result in on-the-job deaths. The fatalities are classified into broad causal categories; estimates of the percentages of fatalities are based on the total number of reported cases for 1983 and 1984.

### Incidence rates (per 100,000 full-time workers)

The injury and illness fatality rate was 6.4 per 100,000 full-time workers in 1984 (text table 4). Among industry divisions, rates ranged from 41.4 per 100,000 full-time workers in mining to 1.9 in finance, insurance, and real estate (text table 5).

### Number of fatalities

The number of occupational fatalities in private sector establishments with 11 employees or more was 3,740 in 1984. During the year, 800 lives were lost in manufacturing, 21 percent of all fatalities and the highest industry figure, while 80 were lost in finance, insurance, and real estate, only 2 percent of the total.

### Objects or events associated with fatalities

The majority of deaths in the private sector were attributable to five causes: Highway vehicles, heart attacks, industrial vehicles or equipment, falls, and electrocutions. Car and truck accidents caused more than one-fourth of the work-related deaths; about one-eighth resulted from heart attacks; and industrial vehicles or equipment, falls, and electrocutions each contributed roughly one-tenth. The remaining deaths were related to

**Text table 4. Number and rate of occupational fatalities for employers with 11 employees or more, 1974-84**

Year	Annual average employment <sup>1</sup> (thousands)	Number of fatalities	Incidence rate per 100,000 workers <sup>2</sup>
1974 .....	54,272	4,970	9.8
1975 .....	52,693	4,570	9.4
1976 .....	53,693	3,940	7.9
1977 .....	56,333	4,760	9.1
1978 .....	59,297	4,590	8.2
1979 .....	61,660	4,950	8.6
1980 .....	61,677	4,400	7.7
1981 .....	62,895	4,370	7.6
1982 .....	61,646	4,090	7.4
1983 .....	63,981	3,100	5.6
1984 .....	68,008	3,740	6.4

<sup>1</sup> Employment is expressed as an annual average and is derived primarily from the BLS-State Current Employment Statistics program. Employment estimates have been adjusted based on data provided by the Annual Survey of Occupational Injuries and Illnesses to exclude establishments with fewer than 11 employees.

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

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

**Text table 5. Number and rate of occupational fatalities for employers with 11 employees or more by industry division, 1983 and 1984**

Industry division	1983		1984	
	Fatalities	Incidence rate <sup>1</sup>	Fatalities	Incidence rate <sup>1</sup>
Private sector . . . . .	3,100	5.6	3,740	6.4
Agriculture, forestry, and fishing . . . . .	80	12.7	110	16.3
Mining . . . . .	240	27.6	370	41.4
Construction . . . . .	670	26.3	660	22.8
Manufacturing . . . . .	730	4.3	800	4.4
Transportation and public utilities . . . . .	570	13.3	770	16.9
Wholesale and retail trade . . . . .	440	3.3	440	3.1
Finance, insurance, and real estate . . . . .	70	1.7	80	1.9
Services . . . . .	310	2.2	510	3.9

<sup>1</sup> The incidence rates represent the number of fatalities per 100,000 full-time workers and were calculated as: (N/EH) X 200,000,000, where

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

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

assaults, entrapments, explosions, aircraft crashes, gas inhalation, plant machinery operations, fires, objects other than vehicles or equipment, and other causes.

Highway vehicles were the leading cause of death in all industry divisions except construction and mining. In the construction division, employees who died after falling accounted for the plurality of deaths, 23 percent of the total. Accidents involving industrial vehicles or

equipment were the leading cause of death in the mining division, accounting for 19 percent.

## Structural and Cyclical Changes Affecting Injuries and Illnesses

Variability in incidence rates over the years is closely linked to fluctuations in the business cycle. Higher injury and illness incidence rates are associated with increased business activity and vice versa. As the activity level increases, incidence rates may rise because employers hire young and inexperienced workers, require more overtime, and introduce new and unfamiliar machinery and/or equipment.

In addition to changes in the business cycle, changes in the distribution of the labor force, all other things being equal, affect incidence rates. The structure of the labor force has been changing steadily since 1976. At that time, 60 percent of the total hours worked in the private sector were in the service-producing industries. The remaining 40 percent were in the goods-producing industries. By 1984, service-producing industries claimed 64 percent (the same as in 1983) of the hours worked and goods-producing the rest.

As stated previously, incidence rates of industries in the goods-producing sector were higher than those in the service-producing sector in 1984. Rates in the goods-producing sector ranged from 9.7 in mining to 15.5 in construction as opposed to the service-producing sector range of 1.9 in finance, insurance, and real estate to 8.8 in transportation and public utilities. Since the relative proportion of employment hours increased in the lower risk sector, the private sector incidence rate is somewhat lower. If employment hours had been distributed as they were in 1976, the 1984 private sector injury and illness incidence rate would have been 8.3 rather than 8.0.

**Table 1. Occupational injury and illness incidence rates by industry, 1983 and 1984 <sup>1</sup>**

Industry <sup>2</sup>	SIC code <sup>3</sup>	1984 annual average employment (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	
			1983	1984	1983	1984	1983	1984	1983	1984
Private sector <sup>7</sup> .....		78,983.8	7.6	8.0	3.4	3.7	4.2	4.3	58.5	63.4
Agriculture, forestry, and fishing <sup>7</sup> .....		933.8	11.9	12.0	6.1	6.1	5.8	5.9	90.8	90.7
Agricultural production <sup>7</sup> .....	01-02	n.a.	13.6	13.5	7.0	6.8	6.7	6.7	101.1	100.4
Agricultural services .....	0700	n.a.	10.0	10.2	5.1	5.1	4.9	5.0	77.2	73.6
Forestry .....	0800	n.a.	10.7	14.1	5.7	8.4	5.0	5.7	101.5	186.1
Fishing, hunting, and trapping .....	0900	n.a.	4.9	6.1	3.0	3.8	1.7	2.1	73.1	115.5
Mining <sup>8</sup> .....		974.0	8.4	9.7	4.5	5.3	3.9	4.3	125.1	160.2
Metal mining <sup>8</sup> .....	1000	55.6	6.0	6.3	3.5	3.5	2.5	2.7	92.5	97.4
Anthracite mining <sup>8</sup> .....	1100	2.8	6.7	7.1	6.1	6.3	.5	.8	470.4	281.4
Bituminous coal and lignite mining <sup>8</sup> .....	1200	194.6	7.1	7.1	5.6	5.5	1.5	1.4	188.5	192.3
Oil and gas extraction .....	1300	612.7	9.8	11.8	4.6	6.0	5.1	5.9	120.5	173.1
Crude petroleum and natural gas .....	1310	256.4	3.5	3.0	1.4	1.4	2.0	1.6	34.6	34.4
Natural gas liquids .....	1320	6.7	-	3.4	-	1.2	-	2.1	-	32.2
Oil and gas field services .....	1380	349.7	14.3	18.2	6.9	9.3	7.4	8.9	183.4	273.2
Nonmetallic minerals, except fuels <sup>8</sup> .....	1400	108.7	3.9	4.0	2.6	2.7	1.3	1.2	66.1	73.2
Construction .....		4,345.0	14.8	15.5	6.3	6.9	8.5	8.6	118.2	128.1
General building contractors .....	1500	1,157.5	14.4	15.4	6.2	6.9	8.2	8.5	113.0	121.3
Residential building construction .....	1520	577.4	11.9	12.6	5.8	6.3	6.1	6.2	106.6	111.1
Operative builders .....	1530	59.0	9.7	11.5	4.3	5.8	5.4	5.7	68.1	74.8
Nonresidential building construction .....	1540	521.1	17.3	18.9	6.8	7.7	10.5	11.2	124.6	137.2
Heavy construction contractors .....	1600	764.6	15.4	14.9	6.2	6.4	9.2	8.5	122.4	131.7
Highway and street construction .....	1610	245.0	14.3	14.6	5.9	6.3	8.4	8.2	109.0	133.3
Heavy construction, except highway .....	1620	519.6	15.9	15.1	6.3	6.4	9.6	8.6	127.8	131.0
Special trade contractors .....	1700	2,422.4	14.8	15.8	6.4	7.1	8.4	8.7	119.0	130.1
Plumbing, heating, air conditioning .....	1710	561.4	15.7	16.4	5.9	6.3	9.8	10.1	100.5	108.1
Painting, paper hanging, decorating .....	1720	152.6	9.2	10.3	5.0	5.5	4.3	4.9	124.0	127.3
Electrical work .....	1730	446.7	13.7	14.4	5.2	5.5	8.5	8.9	86.5	87.5
Masonry, stonework, and plastering .....	1740	378.5	15.8	17.3	7.2	8.6	8.6	8.7	124.7	154.2
Carpentering and flooring .....	1750	142.2	13.1	14.9	7.0	7.8	6.1	7.1	131.5	131.5
Roofing and sheet metal work .....	1760	182.9	18.6	21.4	10.3	11.6	8.4	9.8	222.5	248.8
Concrete work .....	1770	142.4	14.2	14.6	7.0	7.2	7.2	7.4	131.3	126.5
Water well drilling .....	1780	16.8	11.3	12.9	5.7	7.4	5.6	5.4	97.9	142.7
Miscellaneous special trade contractors .....	1790	399.0	15.1	15.8	6.5	7.2	8.6	8.6	128.4	141.8
Manufacturing .....		19,412.0	10.0	10.6	4.3	4.7	5.7	5.9	73.5	77.9
Durable goods .....		11,522.0	10.3	11.1	4.3	4.8	6.0	6.3	73.4	79.9
Lumber and wood products .....	2400	706.8	18.3	19.6	9.2	9.9	9.1	9.7	163.5	172.0
Logging camps and logging contractors .....	2410	89.4	21.5	21.7	13.7	13.9	7.7	7.7	321.9	320.1
Sawmills and planing mills .....	2420	203.2	17.0	18.9	8.8	9.8	8.1	9.1	169.0	174.4
Sawmills and planing mills, general .....	2421	166.9	16.7	18.4	8.9	9.7	7.9	8.6	173.7	175.3
Hardwood dimension and flooring .....	2426	31.9	17.1	20.4	7.6	9.2	9.4	11.2	129.4	154.2
Millwork, plywood and structural members .....	2430	220.4	17.2	18.1	8.0	8.5	9.2	9.5	124.8	135.2
Millwork .....	2431	82.1	19.4	19.9	8.4	8.5	11.0	11.3	132.0	137.1
Wood kitchen cabinets .....	2434	56.8	15.4	17.8	7.3	8.7	8.2	9.0	100.4	125.6
Hardwood veneer and plywood .....	2435	24.5	16.0	16.2	6.7	6.8	9.2	9.4	104.1	112.5
Softwood veneer and plywood .....	2436	37.4	11.1	11.4	6.0	6.4	5.2	5.0	125.9	134.7
Structural wood members, n.e.c. ....	2439	19.6	28.5	27.5	14.7	14.6	13.7	12.9	192.3	185.1
Wood containers .....	2440	41.4	16.4	18.0	8.2	10.0	8.1	8.1	135.8	172.4
Nailed wood boxes and shooks .....	2441	5.8	16.1	18.2	7.6	10.1	8.5	8.1	143.2	143.2
Wood pallets and skids .....	2448	26.6	18.0	18.9	9.1	10.8	8.9	8.0	144.0	197.4
Wood containers, n.e.c. ....	2449	9.0	12.4	15.5	6.3	7.3	6.1	8.2	110.3	117.3

See footnotes at end of table.

**Table 1. Occupational injury and illness incidence rates by industry, 1983 and 1984<sup>1</sup>—Continued**

Industry <sup>2</sup>	SIC code <sup>3</sup>	1984 annual average employment (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	
			1983	1984	1983	1984	1983	1984	1983	1984
Wood buildings and mobile homes .....	2450	74.1	27.8	29.6	12.5	12.9	15.3	16.6	174.9	183.6
Mobile homes .....	2451	53.4	29.8	30.7	13.6	13.2	16.3	17.5	189.2	187.7
Prefabricated wood buildings .....	2452	20.7	22.2	26.6	9.6	12.2	12.5	14.3	136.0	172.4
Miscellaneous wood products .....	2490	78.3	14.6	15.3	6.7	7.2	7.8	8.1	111.8	118.3
Wood preserving .....	2491	12.6	18.1	16.2	7.5	8.1	10.6	8.1	137.1	139.0
Particleboard .....	2492	7.6	7.3	8.8	3.4	3.6	3.9	5.2	88.0	70.5
Wood products, n.e.c. ....	2499	58.2	14.7	16.0	7.0	7.6	7.7	8.5	109.1	120.7
Furniture and fixtures .....	2500	487.3	14.1	15.3	5.7	6.4	8.4	8.8	83.0	101.5
Household furniture .....	2510	295.2	13.3	13.9	5.3	5.8	7.9	8.0	75.9	91.6
Wood household furniture .....	2511	132.0	13.3	13.7	5.1	5.6	8.2	8.1	72.2	87.7
Upholstered household furniture .....	2512	92.3	12.0	12.8	4.8	5.5	7.1	7.4	65.4	82.9
Metal household furniture .....	2514	28.0	15.3	15.6	5.7	5.9	9.6	9.6	81.5	95.7
Mattresses and bedsprings .....	2515	29.4	15.5	16.7	7.2	7.7	8.2	9.0	113.3	123.0
Wood TV and radio cabinets .....	2517	n.a.	11.5	13.0	5.3	7.0	6.2	5.9	73.0	124.9
Household furniture, n.e.c. ....	2519	n.a.	12.1	13.0	6.0	5.9	6.2	7.1	107.1	87.6
Office furniture .....	2520	64.0	16.1	18.8	7.3	8.3	8.8	10.5	108.7	129.7
Wood office furniture .....	2521	29.7	13.7	15.0	6.5	6.9	7.2	8.1	100.5	97.8
Metal office furniture .....	2522	34.3	18.1	22.1	8.0	9.5	10.1	12.6	115.5	157.2
Public building and related furniture .....	2530	26.2	15.2	17.1	5.3	6.4	9.9	10.6	93.2	116.2
Partitions and fixtures .....	2540	66.5	15.8	17.6	6.5	7.7	9.3	10.0	89.2	113.0
Wood partitions and fixtures .....	2541	35.5	15.3	17.1	6.6	7.7	8.7	9.4	87.4	110.5
Metal partitions and fixtures .....	2542	31.0	16.4	18.2	6.5	7.6	9.9	10.6	91.1	115.7
Miscellaneous furniture and fixtures .....	2590	35.4	13.9	14.1	5.3	5.6	8.6	8.5	79.5	97.6
Draper hardware and blinds and shades .....	2591	21.2	12.9	11.5	5.0	4.8	7.9	6.7	75.4	79.6
Furniture and fixtures, n.e.c. ....	2599	14.3	15.3	17.7	5.7	6.7	9.6	11.0	84.8	122.7
Stone, clay, and glass products .....	3200	595.4	13.1	13.6	6.0	6.6	7.1	7.0	112.0	120.8
Flat glass .....	3210	15.9	14.4	15.2	4.4	4.2	10.0	11.0	83.5	76.8
Glass and glassware, pressed or blown .....	3220	99.4	11.9	12.0	5.9	5.9	6.1	6.2	112.5	112.9
Glass containers .....	3221	52.3	13.1	14.0	6.9	7.1	6.2	6.8	135.4	140.2
Pressed and blown glass, n.e.c. ....	3229	47.2	10.6	10.0	4.6	4.5	6.0	5.5	85.1	84.1
Products of purchased glass .....	3230	48.6	16.0	16.1	6.2	6.3	9.8	9.8	98.4	95.1
Cement, hydraulic .....	3240	24.6	-	10.0	-	4.1	-	5.9	-	99.0
Structural clay products .....	3250	38.0	16.0	16.8	7.0	7.7	9.0	9.1	128.4	137.3
Brick and structural clay tile .....	3251	17.6	19.4	18.8	8.7	8.3	10.7	10.5	127.1	141.2
Ceramic wall and floor tile .....	3253	n.a.	14.8	16.5	5.8	7.6	9.0	8.9	125.2	150.3
Clay refractories .....	3255	8.0	9.3	11.4	4.4	5.8	4.9	5.6	95.1	100.6
Structural clay products, n.e.c. ....	3259	n.a.	19.1	20.3	9.7	9.9	9.3	10.3	233.3	170.2
Pottery and related products .....	3260	39.4	12.5	14.3	6.7	8.1	5.9	6.2	124.0	148.9
Vitreous plumbing fixtures .....	3261	9.9	19.5	24.4	12.7	16.7	6.9	7.6	246.6	318.6
Vitreous china food utensils .....	3262	n.a.	12.8	11.7	6.8	6.9	6.0	4.8	148.2	147.1
Fine earthenware food utensils .....	3263	n.a.	7.6	13.2	4.2	4.1	3.4	9.1	80.4	116.3
Porcelain electrical supplies .....	3264	9.9	10.7	11.3	4.7	6.0	5.9	5.4	84.6	92.4
Pottery products, n.e.c. ....	3269	11.9	9.8	9.6	4.1	4.1	5.7	5.5	59.9	63.6
Concrete, gypsum, and plaster products .....	3270	199.4	14.8	15.1	6.8	7.5	7.9	7.6	125.0	141.0
Concrete block and brick .....	3271	18.0	18.3	16.4	8.1	7.7	10.2	8.6	124.7	146.7
Concrete products, n.e.c. ....	3272	67.0	18.8	19.9	8.7	9.9	10.1	9.9	156.5	181.1
Ready-mixed concrete .....	3273	95.1	13.3	13.7	6.3	6.9	6.9	6.8	120.5	132.1
Cut stone and stone products .....	3280	11.4	12.6	12.9	6.1	6.2	6.5	6.7	104.2	100.2
Miscellaneous nonmetallic mineral products .....	3290	118.7	10.6	10.9	5.1	5.8	5.5	5.1	98.1	101.9

See footnotes at end of table.

**Table 1. Occupational injury and illness incidence rates by industry, 1983 and 1984 <sup>1</sup>—Continued**

Industry <sup>2</sup>	SIC code <sup>3</sup>	1984 annual average employment (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	
			1983	1984	1983	1984	1983	1984	1983	1984
Abrasive products .....	3291	22.6	11.4	11.8	5.4	6.8	6.0	5.0	104.4	118.7
Asbestos products .....	3292	12.2	12.7	11.9	6.9	6.6	5.8	5.3	113.9	134.0
Gaskets, packing and sealing devices .....	3293	27.1	10.7	10.8	4.4	4.6	6.3	6.3	67.0	76.2
Minerals, ground or treated .....	3295	13.7	-	11.4	-	4.9	-	6.5	-	73.4
Mineral wool .....	3296	27.8	7.9	7.7	4.1	4.5	3.8	3.3	76.6	82.0
Nonclay refractories .....	3297	7.9	13.5	19.0	7.1	13.2	6.5	5.8	221.7	236.1
Nonmetallic mineral products, n.e.c. ....	3299	7.3	11.2	8.8	6.3	4.1	4.9	4.7	98.1	63.2
Primary metal industries .....	3300	858.4	12.4	13.3	5.4	6.1	6.9	7.2	103.4	115.3
Blast furnace and basic steel products .....	3310	333.5	10.0	11.1	3.8	4.5	6.2	6.6	86.4	101.8
Blast furnaces and steel mills .....	3312	264.8	8.5	9.3	3.0	3.6	5.5	5.7	75.6	93.6
Electrometallurgical products .....	3313	10.3	9.6	10.9	4.0	4.8	5.5	6.1	118.4	117.9
Steel wire and related products .....	3315	n.a.	15.1	17.0	6.8	7.9	8.3	9.1	110.6	131.4
Cold finishing of steel shapes .....	3316	18.4	18.8	22.9	7.0	9.9	11.8	13.0	158.9	158.0
Steel pipe and tubes .....	3317	24.5	18.3	19.1	8.2	8.7	10.1	10.4	138.5	125.2
Iron and steel foundries .....	3320	149.1	16.7	16.7	7.2	8.0	9.5	8.7	119.4	133.5
Gray iron foundries .....	3321	95.1	17.3	16.6	7.5	7.9	9.8	8.7	124.7	131.8
Malleable iron foundries .....	3322	11.0	14.4	14.4	6.1	7.3	8.2	7.1	95.4	116.7
Steel investment foundries .....	3324	12.4	13.0	17.3	5.8	8.2	7.2	9.1	74.7	110.0
Steel foundries, n.e.c. ....	3325	30.6	17.1	17.6	7.0	8.6	10.2	9.0	130.7	154.5
Primary nonferrous metals .....	3330	51.8	8.7	9.0	4.4	4.8	4.3	4.2	85.0	94.7
Primary copper .....	3331	8.9	8.6	8.0	4.4	4.4	4.2	3.6	106.5	113.7
Primary lead .....	3332	n.a.	10.8	9.3	5.3	3.8	5.5	5.5	95.7	76.4
Primary zinc .....	3333	n.a.	11.7	11.1	5.5	5.9	6.1	5.1	111.5	147.2
Primary aluminum .....	3334	27.6	8.4	9.0	4.2	4.8	4.2	4.1	74.1	89.4
Primary nonferrous metals, n.e.c. ....	3339	10.6	8.5	9.2	4.6	4.7	3.8	4.4	81.1	83.8
Secondary nonferrous metals .....	3340	19.7	17.7	22.2	9.6	11.7	8.1	10.4	172.6	197.3
Nonferrous rolling and drawing .....	3350	192.7	11.7	11.6	5.9	5.6	5.8	6.0	106.7	103.1
Copper rolling and drawing .....	3351	27.2	13.3	14.4	6.9	7.1	6.5	7.2	121.3	143.0
Aluminum sheet, plate, and foil .....	3353	31.6	6.8	5.6	2.6	2.2	4.1	3.4	60.2	57.1
Aluminum extruded products .....	3354	31.4	12.3	13.4	5.7	5.7	6.6	7.7	96.3	91.7
Aluminum rolling and drawing, n.e.c. ....	3355	n.a.	8.5	8.3	4.1	4.1	4.4	4.2	60.2	84.7
Nonferrous rolling and drawing, n.e.c. ....	3356	n.a.	10.5	11.0	5.1	4.8	5.4	6.2	95.3	99.7
Nonferrous wire drawing and insulating .....	3357	81.9	13.4	12.5	7.2	6.6	6.2	6.0	130.7	113.7
Nonferrous foundries .....	3360	86.5	16.7	19.0	7.7	8.9	8.9	10.1	133.3	149.9
Aluminum foundries .....	3361	53.2	16.1	19.0	7.3	8.6	8.8	10.4	127.0	140.3
Brass, bronze, and copper foundries .....	3362	14.8	18.8	21.2	9.1	10.2	9.6	11.1	157.7	166.3
Nonferrous foundries, n.e.c. ....	3369	18.6	16.5	17.5	7.7	8.9	8.8	8.6	131.2	165.1
Miscellaneous primary metal products .....	3390	25.0	15.8	16.5	7.2	8.0	8.5	8.4	110.4	139.1
Metal heat treating .....	3398	13.0	16.3	18.0	8.2	9.0	8.2	8.9	113.4	144.3
Primary metal products, n.e.c. ....	3399	12.0	15.1	14.7	6.2	6.9	9.0	7.8	107.1	133.4
Fabricated metal products .....	3400	1,464.2	15.1	16.1	6.1	6.7	9.0	9.4	96.5	104.9
Metal cans and shipping containers .....	3410	57.6	15.7	16.7	6.1	6.8	9.6	9.8	111.0	131.4
Metal cans .....	3411	46.1	15.1	15.2	5.8	6.0	9.3	9.2	106.6	113.1
Metal barrels, drums, and pails .....	3412	11.5	17.9	22.7	7.4	10.1	10.5	12.6	129.8	206.9
Cutlery, hand tools, and hardware .....	3420	148.4	13.2	13.8	5.1	5.6	8.1	8.2	93.8	102.2
Cutlery .....	3421	13.3	13.5	10.8	5.1	4.4	8.4	6.4	96.6	74.3
Hand and edge tools, nec .....	3423	n.a.	14.2	15.2	5.3	6.1	8.9	9.1	93.1	112.7
Hand saws and saw blades .....	3425	n.a.	11.6	12.4	4.9	4.7	6.7	7.7	84.6	81.7
Hardware, n.e.c. ....	3429	86.5	12.9	13.8	5.1	5.7	7.8	8.1	94.5	103.9
Plumbing and heating, except electric .....	3430	63.2	15.1	15.1	6.7	6.7	8.4	8.4	101.8	98.2
Metal sanitary ware .....	3431	9.7	16.7	16.5	7.8	8.6	8.9	7.9	113.2	133.2

See footnotes at end of table.



Table 1. Occupational injury and illness incidence rates by industry, 1983 and 1984 <sup>1</sup>—Continued

Industry <sup>2</sup>	SIC code <sup>3</sup>	1984 annual average employment (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	
			1983	1984	1983	1984	1983	1984	1983	1984
Plumbing fittings and brass goods .....	3432	25.0	11.6	11.8	5.7	5.5	5.9	6.3	105.2	89.1
Heating equipment, except electric .....	3433	28.6	17.6	17.5	7.2	7.1	10.3	10.4	95.2	93.9
Fabricated structural metal products .....	3440	436.5	17.9	19.5	7.2	8.0	10.7	11.5	109.0	116.5
Fabricated structural metal .....	3441	79.7	21.4	22.3	9.6	10.6	11.8	11.6	138.8	162.2
Metal doors, sash, and trim .....	3442	84.3	18.9	19.7	7.2	7.5	11.6	12.2	106.4	101.7
Fabricated plate work .....	3443	100.4	15.2	17.3	6.1	7.2	9.0	10.1	97.1	107.9
Sheet metal work .....	3444	111.7	18.0	20.0	6.9	7.6	11.1	12.4	101.3	103.2
Architectural metal work .....	3446	28.0	19.1	19.6	7.5	7.9	11.5	11.7	126.4	115.4
Prefabricated metal buildings .....	3448	24.6	13.8	17.8	5.1	7.4	8.6	10.4	80.7	117.0
Miscellaneous metal work .....	3449	7.9	17.1	17.8	7.0	6.9	10.1	10.9	128.0	107.3
Screw machine products, bolts, etc. ....	3450	96.5	13.7	14.2	4.6	5.2	9.1	9.0	68.2	78.5
Screw machine products .....	3451	46.0	13.4	15.3	4.0	5.2	9.4	10.1	54.1	67.4
Bolts, nuts, rivets, and washers .....	3452	50.5	13.8	13.3	5.0	5.3	8.8	8.0	80.1	88.3
Metal forgings and stampings .....	3460	250.1	14.3	15.6	5.8	6.6	8.5	8.9	96.6	107.1
Iron and steel forgings .....	3462	34.8	17.4	17.5	8.1	8.7	9.3	8.8	141.1	165.7
Nonferrous forgings .....	3463	n.a.	13.6	12.5	5.9	6.2	7.6	6.3	86.1	138.1
Automotive stampings .....	3465	99.1	11.9	12.6	4.9	5.3	6.9	7.3	73.5	74.0
Crowns and closures .....	3466	n.a.	12.0	12.0	5.7	5.0	6.3	7.0	93.3	104.7
Metal stampings, n.e.c. ....	3469	105.7	15.8	18.2	5.9	7.4	9.9	10.8	105.2	118.8
Metal services, n.e.c. ....	3470	107.0	14.3	15.6	6.1	6.8	8.1	8.8	92.2	102.9
Plating and polishing .....	3471	73.7	14.9	16.1	6.4	7.1	8.6	9.0	96.3	102.3
Metal coating and allied services .....	3479	33.3	12.9	14.6	5.6	6.3	7.2	8.2	83.1	104.2
Ordnance and accessories, n.e.c. ....	3480	75.9	8.0	8.7	3.8	4.2	4.2	4.5	64.7	72.9
Small arms ammunition .....	3482	n.a.	5.0	6.7	2.3	2.0	2.7	4.6	48.3	38.4
Ammunition, except for small arms, n.e.c. ....	3483	40.6	8.2	9.1	3.9	4.5	4.4	4.5	65.9	75.9
Small arms .....	3484	n.a.	13.3	13.4	6.4	7.0	6.9	6.3	108.5	132.1
Ordnance and accessories, n.e.c. ....	3489	n.a.	3.7	3.9	1.7	1.8	2.1	2.1	25.8	27.2
Miscellaneous fabricated metal products .....	3490	228.9	14.3	15.1	5.9	6.2	8.4	8.9	90.6	100.3
Steel springs, except wire .....	3493	5.9	17.1	17.8	8.0	9.3	9.1	8.4	128.4	149.9
Valves and pipe fittings .....	3494	87.2	12.8	13.6	5.3	5.2	7.5	8.3	79.5	88.7
Wire springs .....	3495	14.4	13.1	14.3	5.2	5.4	7.9	8.8	90.9	85.5
Miscellaneous fabricated wire products .....	3496	52.7	14.8	14.7	6.1	6.6	8.7	8.2	90.1	109.1
Metal foil and leaf .....	3497	n.a.	14.3	13.1	6.6	5.4	7.7	7.7	83.1	109.3
Fabricated pipe and fittings .....	3498	23.0	17.4	18.7	7.5	8.1	9.8	10.7	123.5	119.6
Fabricated metal products, n.e.c. ....	3499	n.a.	15.0	16.9	5.8	6.4	9.2	10.6	92.6	99.7
Machinery, except electrical .....	3500	2,196.8	9.8	10.7	3.6	4.1	6.2	6.6	58.1	65.8
Engines and turbines .....	3510	114.5	8.4	10.5	3.1	4.1	5.3	6.4	59.0	78.7
Turbines and turbine generator sets .....	3511	35.6	5.2	5.3	2.3	2.4	2.9	2.9	41.1	43.8
Internal combustion engines, n.e.c. ....	3519	79.0	10.2	12.9	3.5	4.8	6.7	8.1	69.2	94.5
Farm and garden machinery .....	3520	110.3	11.8	13.3	4.6	5.7	7.2	7.7	73.5	88.7
Farm machinery and equipment .....	3523	87.7	11.1	12.9	4.4	5.6	6.8	7.3	72.1	88.9
Lawn and garden equipment .....	3524	22.6	14.5	15.0	5.4	5.9	9.0	9.1	79.5	87.8
Construction and related machinery .....	3530	257.3	12.7	14.0	4.7	5.6	8.0	8.4	76.3	90.3
Construction machinery .....	3531	91.6	11.9	12.2	4.5	4.7	7.5	7.5	71.5	74.9
Mining machinery .....	3532	21.7	12.9	14.5	5.3	6.8	7.6	7.7	97.5	125.6
Oil field machinery .....	3533	64.8	12.0	13.7	4.3	5.0	7.7	8.7	74.3	85.0
Elevators and moving stairways .....	3534	n.a.	12.3	12.5	5.2	4.9	7.1	7.6	93.4	84.0
Conveyors and conveying equipment .....	3535	28.6	14.0	13.7	4.7	5.6	9.3	8.1	60.0	101.6
Hoists, cranes, and monorails .....	3536	12.3	14.1	24.1	5.2	9.7	9.0	14.4	78.9	133.5
Metalworking machinery .....	3540	305.6	10.7	12.1	3.4	3.9	7.3	8.1	57.0	66.4
Machine tools, metal cutting types .....	3541	56.0	9.0	10.5	2.8	3.8	6.2	6.7	45.7	57.7
Machine tools, metal forming types .....	3542	18.9	10.8	13.5	3.9	4.9	6.9	8.7	62.9	90.8
Special dies, tools, jigs and fixtures .....	3544	133.9	12.1	13.4	3.7	4.2	8.4	9.2	59.1	71.4

See footnotes at end of table.

Table 1. Occupational injury and illness incidence rates by industry, 1983 and 1984 <sup>1</sup>—Continued

Industry <sup>2</sup>	SIC code <sup>3</sup>	1984 annual average employment (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	
			1983	1984	1983	1984	1983	1984	1983	1984
Machine tool accessories .....	3545	54.9	10.0	11.1	3.1	3.5	6.9	7.6	58.1	53.3
Power driven hand tools .....	3546	24.5	7.5	8.3	2.5	3.1	5.0	5.2	50.8	67.8
Rolling mill machinery .....	3547	5.5	12.9	11.4	4.8	5.3	8.2	6.1	86.3	100.1
Metalworking machinery, n.e.c .....	3549	12.0	10.6	13.8	3.5	3.8	7.1	10.0	69.9	53.6
Special industry machinery .....	3550	167.7	12.3	12.7	4.3	4.5	8.0	8.2	68.5	68.2
Food products machinery .....	3551	39.0	14.6	15.0	5.3	5.5	9.4	9.5	81.1	75.8
Textile machinery .....	3552	19.9	12.6	14.2	3.5	3.7	9.2	10.5	51.9	59.8
Woodworking machinery .....	3553	10.1	13.3	15.9	5.4	5.6	7.9	10.4	90.0	89.8
Paper industries machinery .....	3554	16.2	13.5	13.9	4.7	5.8	8.8	8.1	73.8	100.8
Printing trades machinery .....	3555	30.4	9.6	9.6	3.2	3.2	6.4	6.3	52.3	47.1
Special industry machinery, n.e.c .....	3559	52.1	11.6	11.5	4.3	4.3	7.2	7.1	71.7	64.1
General industrial machinery .....	3560	273.3	11.6	12.0	4.3	4.6	7.3	7.4	72.4	73.4
Pumps and pumping equipment .....	3561	52.4	12.7	11.4	4.5	4.7	8.2	6.6	76.6	68.8
Ball and roller bearings .....	3562	48.3	8.5	8.7	3.0	3.1	5.5	5.6	49.4	57.8
Air and gas compressors .....	3563	25.5	10.1	12.5	4.0	4.1	6.1	8.4	75.9	75.2
Blowers and fans .....	3564	32.7	13.2	14.4	5.6	5.9	7.6	8.5	91.2	84.3
Industrial patterns .....	3565	8.5	11.4	15.1	3.8	5.1	7.6	10.0	54.4	62.8
Speed changers, drives, and gears .....	3566	21.0	13.9	13.6	4.7	4.8	9.2	8.8	72.7	85.6
Industrial furnaces and ovens .....	3567	16.5	12.4	13.9	4.7	5.8	7.7	8.1	82.8	94.1
Power transmission equipment, n.e.c .....	3568	17.6	12.5	12.8	5.1	5.8	7.4	7.1	88.9	97.1
General industrial machinery, n.e.c .....	3569	51.0	11.7	11.8	4.1	4.2	7.7	7.6	68.7	67.5
Office and computing machines .....	3570	526.1	4.1	4.0	1.9	1.9	2.2	2.1	29.3	30.3
Typewriters .....	3572	13.9	3.2	3.4	1.3	1.5	1.9	1.9	14.7	21.8
Electronic computing equipment .....	3573	460.9	3.7	3.6	1.7	1.8	2.0	1.8	26.8	29.4
Scales and balances, except laboratory .....	3576	7.1	10.7	10.7	3.4	3.5	7.3	7.1	43.0	37.7
Office machines, n.e.c .....	3579	27.2	8.0	9.0	3.5	3.7	4.4	5.3	52.5	45.0
Refrigeration and service machinery .....	3580	171.1	13.5	14.4	5.1	5.7	8.3	8.7	79.4	90.0
Automatic merchandising machines .....	3581	9.8	19.6	24.6	6.8	7.7	12.9	16.9	105.8	103.6
Commercial laundry equipment .....	3582	4.9	17.7	16.8	5.6	5.8	12.1	10.9	99.9	99.1
Refrigeration and heating equipment .....	3585	120.5	12.1	12.9	5.0	5.4	7.1	7.5	81.3	92.1
Measuring and dispensing pumps .....	3586	n.a.	13.4	17.0	4.1	4.7	9.2	12.3	42.0	59.4
Service industry machinery, n.e.c .....	3589	n.a.	16.5	16.5	5.4	6.4	11.1	10.0	68.5	81.8
Miscellaneous machinery, except electrical .....	3590	270.8	11.7	13.1	4.1	4.7	7.5	8.4	57.2	71.9
Carburetors, pistons, rings, valves .....	3592	35.0	7.9	8.9	3.2	4.0	4.7	4.9	50.7	74.1
Machinery, except electrical, n.e.c .....	3599	235.8	12.3	13.8	4.3	4.8	8.0	8.9	58.2	71.5
Electric and electronic equipment .....	3600	2,208.1	6.3	6.8	2.6	2.8	3.8	4.0	41.4	45.0
Electric distributing equipment .....	3610	116.1	8.6	9.2	3.3	3.7	5.3	5.5	56.9	60.0
Transformers .....	3612	53.6	9.3	9.1	3.5	3.7	5.8	5.5	53.9	56.8
Switchgear and switchboard apparatus .....	3613	62.5	8.0	9.3	3.1	3.7	4.9	5.6	59.2	62.7
Electrical industrial apparatus .....	3620	206.0	7.8	8.4	2.8	3.3	5.0	5.0	47.5	57.0
Motors and generators .....	3621	102.5	8.8	8.9	3.2	3.4	5.6	5.5	51.5	56.9
Industrial controls .....	3622	65.2	5.5	6.6	1.9	2.6	3.6	4.1	34.1	45.8
Welding apparatus, electric .....	3623	15.4	11.8	13.6	4.0	5.5	7.8	8.1	69.6	99.4
Carbon and graphite products .....	3624	11.4	7.1	6.1	3.1	3.4	4.0	2.7	62.8	76.2
Electrical industrial apparatus, n.e.c .....	3629	11.5	7.0	8.3	3.1	3.7	3.9	4.6	43.1	43.8
Household appliances .....	3630	149.8	11.6	12.5	4.5	4.9	7.1	7.6	82.0	89.1
Household cooking equipment .....	3631	29.1	15.1	17.9	5.3	7.0	9.8	10.9	83.9	115.0
Household refrigerators and freezers .....	3632	31.0	9.8	9.0	4.1	3.8	5.7	5.2	64.2	52.6
Household laundry equipment .....	3633	21.0	11.6	12.2	3.9	4.1	7.7	8.1	60.1	69.9
Electric housewares and fans .....	3634	39.7	10.0	10.7	3.7	4.0	6.3	6.7	60.0	60.7
Household vacuum cleaners .....	3635	n.a.	10.0	10.6	4.8	4.9	5.3	5.7	243.1	231.8
Sewing machines .....	3636	n.a.	7.6	10.0	2.6	3.3	5.0	6.7	43.8	41.9

See footnotes at end of table.

Table 1. Occupational injury and illness incidence rates by industry, 1983 and 1984 <sup>1</sup>—Continued

Industry <sup>2</sup>	SIC code <sup>3</sup>	1984 annual average employment (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	
			1983	1984	1983	1984	1983	1984	1983	1984
Household appliances, n.e.c .....	3639	n.a.	15.7	17.4	7.2	6.9	8.5	10.5	99.3	118.6
Electric lighting and wiring equipment .....	3640	200.5	8.6	10.0	3.4	4.0	5.2	6.0	55.1	69.0
Electric lamps .....	3641	28.3	4.0	6.3	1.6	2.2	2.4	4.1	31.4	38.6
Current-carrying wiring devices .....	3643	84.8	7.5	8.4	3.0	3.4	4.5	5.0	47.1	60.7
Noncurrent-carrying wiring devices .....	3644	17.5	12.8	17.0	5.8	7.8	6.9	9.2	102.4	123.4
Residential lighting fixtures .....	3645	26.9	11.8	11.8	4.4	4.9	7.4	6.8	69.5	81.9
Commercial lighting fixtures .....	3646	18.2	12.8	16.4	4.6	5.7	8.2	10.7	73.3	93.4
Vehicular lighting equipment .....	3647	15.7	5.0	5.8	2.2	2.3	2.8	3.5	38.5	42.3
Lighting equipment, n.e.c .....	3648	9.1	13.5	12.7	4.4	5.4	9.1	7.3	61.6	97.3
Radio and TV receiving equipment .....	3650	90.6	6.1	6.2	2.6	2.6	3.5	3.6	40.8	40.6
Radio and TV receiving sets .....	3651	71.8	6.0	5.9	2.4	2.5	3.5	3.4	40.4	38.9
Phonograph records .....	3652	18.8	6.3	7.1	3.1	2.8	3.2	4.3	42.0	47.0
Communication equipment .....	3660	616.6	4.0	3.9	1.7	1.6	2.3	2.3	30.4	26.4
Telephone and telegraph apparatus .....	3661	144.4	4.9	4.6	2.2	2.0	2.7	2.7	49.1	36.3
Radio and TV communication equipment .....	3662	472.1	3.7	3.7	1.6	1.5	2.2	2.3	24.8	23.6
Electronic components and accessories .....	3670	672.7	5.7	6.4	2.3	2.7	3.4	3.7	30.8	38.3
Cathode ray television picture tubes .....	3672	n.a.	9.6	8.7	6.1	5.7	3.5	3.0	84.9	87.4
Electron tubes, transmitting .....	3673	n.a.	5.5	5.4	2.2	2.2	3.2	3.2	34.9	34.5
Semiconductors and related devices .....	3674	273.0	4.2	4.1	1.8	1.9	2.4	2.2	24.4	27.1
Electronic capacitors .....	3675	33.8	5.6	6.3	2.2	2.8	3.4	3.6	30.5	56.0
Electronic resistors .....	3676	12.4	6.2	7.0	2.4	2.9	3.8	4.1	28.9	49.7
Electronic coils and transformers .....	3677	26.7	8.2	8.2	2.9	3.1	5.3	5.1	38.5	37.8
Electronic components, n.e.c .....	3679	274.5	6.8	8.7	2.6	3.4	4.2	5.4	33.1	45.6
Miscellaneous electrical equipment and supplies .....	3690	156.0	6.5	6.8	3.0	3.1	3.6	3.6	49.4	50.2
Storage batteries .....	3691	28.3	10.7	9.5	5.6	5.1	5.1	4.4	85.5	88.8
Primary batteries, dry and wet .....	3692	13.9	-	5.0	-	1.6	-	3.4	-	35.4
X-ray apparatus and tubes .....	3693	33.8	4.1	3.8	1.7	1.5	2.4	2.3	21.2	26.5
Engine electrical equipment .....	3694	64.9	5.5	6.5	2.4	3.1	3.2	3.4	42.6	46.2
Electrical equipment and supplies, n.e.c .....	3699	15.1	10.5	11.6	4.9	4.6	5.6	7.0	80.5	69.5
Transportation equipment .....	3700	1,906.3	8.4	9.3	3.6	4.2	4.8	5.2	64.5	68.8
Motor vehicles and equipment .....	3710	860.1	8.7	10.1	3.7	4.5	5.1	5.7	59.4	70.6
Motor vehicles and car bodies .....	3711	390.9	6.1	6.7	2.6	2.9	3.5	3.8	42.3	42.4
Truck and bus bodies .....	3713	36.2	19.1	19.8	6.5	8.3	12.6	11.5	90.0	127.0
Motor vehicle parts and accessories .....	3714	387.3	9.2	11.1	3.9	4.9	5.3	6.2	69.0	82.8
Truck trailers .....	3715	31.1	18.3	22.6	8.0	11.0	10.3	11.6	101.6	191.0
Self-contained motor homes .....	3716	14.6	25.5	24.9	10.5	9.6	15.0	15.2	128.4	104.6
Aircraft and parts .....	3720	595.9	5.2	5.8	2.0	2.2	3.2	3.6	34.3	35.3
Aircraft .....	3721	308.2	4.0	4.5	1.4	1.6	2.5	2.9	25.4	28.3
Aircraft engines and engine parts .....	3724	140.5	4.8	5.3	2.6	2.8	2.2	2.5	47.6	45.9
Aircraft equipment, n.e.c .....	3728	147.2	8.5	8.9	2.7	2.9	5.8	6.1	40.7	40.0
Ship and boat building and repairing .....	3730	193.9	20.1	20.5	9.5	10.8	10.6	9.7	206.4	199.4
Ship building and repairing .....	3731	147.7	20.0	20.2	9.6	11.0	10.4	9.2	231.1	218.2
Boat building and repairing .....	3732	46.2	20.3	21.4	9.0	10.3	11.3	11.1	117.6	137.8
Railroad equipment .....	3740	35.3	11.0	11.8	5.5	5.6	5.6	6.3	103.7	102.6
Motorcycles, bicycles, and parts .....	3750	14.8	13.2	16.6	5.5	6.4	7.7	10.3	124.2	86.6
Guided missiles, space vehicles, parts .....	3760	155.3	2.4	2.7	1.2	1.2	1.3	1.5	20.1	21.0
Guided missiles and space vehicles .....	3761	120.0	2.2	2.5	1.1	1.1	1.0	1.3	19.9	20.0
Space propulsion units and parts .....	3764	n.a.	3.0	3.3	1.3	1.5	1.7	1.8	20.6	25.0
Space vehicle equipment, n.e.c .....	3769	n.a.	3.2	3.2	1.1	.9	2.1	2.3	20.1	22.1

See footnotes at end of table.

**Table 1. Occupational injury and illness incidence rates by industry, 1983 and 1984<sup>1</sup>—Continued**

Industry <sup>2</sup>	SIC code <sup>3</sup>	1984 annual average employment (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	
			1983	1984	1983	1984	1983	1984	1983	1984
Miscellaneous transportation equipment .....	3790	51.1	14.1	15.2	6.0	6.6	8.2	8.6	76.9	89.6
Travel trailers and campers .....	3792	21.4	21.7	21.8	8.7	8.3	13.1	13.6	107.3	109.8
Transportation equipment, n.e.c. ....	3799	10.5	14.6	17.9	6.3	8.0	8.2	9.9	75.9	111.8
Instruments and related products .....	3800	714.1	5.2	5.4	2.1	2.2	3.1	3.2	35.6	37.5
Engineering and scientific instruments .....	3810	79.5	4.6	5.2	1.6	2.0	3.0	3.1	25.2	31.4
Measuring and controlling devices .....	3820	249.7	5.2	5.4	2.1	2.2	3.1	3.2	33.6	38.3
Environmental controls .....	3822	45.2	5.4	6.3	2.1	2.8	3.3	3.5	28.6	52.9
Process control instruments .....	3823	n.a.	4.7	5.9	2.0	2.2	2.7	3.6	33.6	36.4
Fluid meters and counting devices .....	3824	14.9	6.5	6.4	2.8	2.8	3.6	3.6	58.8	52.7
Instruments to measure electricity .....	3825	107.6	4.4	4.6	1.9	1.9	2.5	2.7	33.1	30.1
Measuring and controlling devices, n.e.c. ....	3829	26.1	7.8	5.9	2.6	2.5	5.1	3.4	29.2	42.5
Optical instruments and lenses .....	3830	35.0	5.1	5.4	2.2	2.0	3.0	3.4	27.5	25.8
Medical instruments and supplies .....	3840	171.9	5.6	5.8	2.3	2.4	3.3	3.4	41.5	43.1
Surgical and medical instruments .....	3841	84.1	4.8	4.3	2.1	1.8	2.8	2.5	35.2	28.0
Surgical appliances and supplies .....	3842	73.6	6.4	7.3	2.6	2.9	3.8	4.3	50.7	60.3
Dental equipment and supplies .....	3843	14.3	6.8	7.3	2.1	2.9	4.7	4.4	33.4	45.0
Ophthalmic goods .....	3850	39.6	4.9	5.5	2.2	2.4	2.7	3.2	34.7	46.6
Photographic equipment and supplies .....	3860	123.9	5.4	4.7	2.3	1.9	3.1	2.7	39.2	33.5
Watches, clocks, and watchcases .....	3870	14.6	-	7.2	-	2.4	-	4.8	-	26.9
Miscellaneous manufacturing industries .....	3900	384.2	9.9	10.5	4.0	4.3	5.9	6.3	66.3	70.2
Jewelry, silverware, and plated ware .....	3910	55.2	5.7	5.7	2.5	2.2	3.1	3.5	43.8	43.6
Jewelry, precious metal .....	3911	36.8	-	4.1	-	1.2	-	2.9	-	21.6
Silverware and plated ware .....	3914	9.9	10.7	11.0	6.0	5.6	4.7	5.5	115.9	118.0
Jewelers' materials and lapidary work .....	3915	8.5	6.3	5.9	3.0	2.2	3.3	3.7	59.0	49.6
Musical instruments .....	3930	16.9	8.3	10.1	3.0	3.6	5.3	6.5	54.5	67.1
Toys and sporting goods .....	3940	110.7	11.2	11.9	4.5	4.7	6.7	7.3	76.0	71.0
Games, toys, and children's vehicles .....	3944	n.a.	8.4	9.1	3.7	4.3	4.7	4.8	75.0	70.1
Sporting and athletic goods, n.e.c. ....	3949	55.5	14.6	15.0	5.5	5.1	9.1	10.0	81.8	74.3
Pens, pencils, office and art supplies .....	3950	32.2	8.7	10.6	3.6	4.3	5.1	6.2	53.5	78.9
Pens and mechanical pencils .....	3951	9.4	8.6	10.0	3.0	3.0	5.5	7.0	49.8	66.6
Lead pencils and art goods .....	3952	7.1	10.0	12.1	4.6	5.6	5.4	6.5	70.6	125.2
Marking devices .....	3953	n.a.	5.9	7.9	1.5	2.7	4.3	5.1	30.4	43.2
Carbon paper and inked ribbons .....	3955	n.a.	11.8	13.5	6.6	7.2	5.3	6.4	72.6	97.4
Costume jewelry and notions .....	3960	40.5	7.9	7.8	3.3	3.5	4.6	4.3	65.9	55.6
Costume jewelry .....	3961	22.7	6.3	5.2	2.5	2.1	3.8	3.1	59.3	40.1
Artificial flowers .....	3962	n.a.	-	14.1	-	7.1	-	7.1	-	92.3
Buttons .....	3963	n.a.	-	8.8	-	2.9	-	6.0	-	48.5
Miscellaneous manufactures .....	3990	128.6	11.7	12.2	4.6	5.1	7.1	7.1	72.4	83.4
Brooms and brushes .....	3991	14.2	12.1	13.1	5.0	5.6	7.1	7.5	84.4	71.7
Signs and advertising displays .....	3993	51.8	12.8	14.4	4.7	6.0	8.0	8.4	69.2	95.6
Burial caskets .....	3995	9.6	12.7	11.7	4.5	4.4	8.2	7.3	95.2	79.9
Hard surface floor coverings .....	3996	n.a.	8.6	8.7	4.7	5.0	4.0	3.7	99.8	132.7
Manufacturing industries, n.e.c. ....	3999	n.a.	10.8	10.2	4.3	4.1	6.5	6.1	61.1	64.1
Nondurable goods .....		7,890.0	9.6	9.8	4.3	4.4	5.3	5.3	73.6	74.9
Food and kindred products .....	2000	1,618.6	16.5	16.7	7.9	8.1	8.5	8.6	131.2	131.6
Meat products .....	2010	357.0	24.6	25.4	11.7	12.0	13.0	13.4	180.8	181.1
Meat packing plants .....	2011	146.7	31.4	33.4	15.8	16.2	15.7	17.2	245.4	232.3

See footnotes at end of table.

**Table 1. Occupational injury and illness incidence rates by industry, 1983 and 1984 <sup>1</sup>—Continued**

Industry <sup>2</sup>	SIC code <sup>3</sup>	1984 annual average employment (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	
			1983	1984	1983	1984	1983	1984	1983	1984
Sausages and other prepared meats .....	2013	72.7	21.1	20.7	10.5	10.9	10.5	9.8	163.6	175.2
Poultry dressing plants .....	2016	118.3	18.7	18.8	7.4	7.6	11.2	11.2	115.8	119.0
Poultry and egg processing .....	2017	19.3	19.1	21.7	7.5	10.2	11.5	11.5	109.5	180.7
Dairy products .....	2020	163.4	14.2	14.3	6.8	6.9	7.4	7.4	111.5	121.4
Creamery butter .....	2021	2.0	16.5	13.3	7.9	6.2	8.6	7.1	161.5	99.3
Cheese, natural and processed .....	2022	38.6	14.5	14.4	6.9	6.3	7.6	8.1	98.9	91.2
Condensed and evaporated milk .....	2023	16.3	10.3	10.9	5.1	5.2	5.2	5.7	81.1	84.7
Ice cream and frozen desserts .....	2024	19.0	15.2	17.3	7.3	8.0	7.9	9.3	125.6	133.1
Fluid milk .....	2026	87.6	14.5	14.3	6.9	7.3	7.5	7.0	117.7	138.4
Preserved fruits and vegetables .....	2030	236.1	14.3	14.5	6.9	7.2	7.4	7.3	115.6	116.1
Canned specialties .....	2032	25.2	11.1	10.1	5.5	5.1	5.6	5.0	90.4	83.8
Canned fruits and vegetables .....	2033	86.8	14.9	16.1	6.7	7.8	8.1	8.3	100.9	109.1
Dehydrated fruits, vegetables, soups .....	2034	17.6	15.9	15.0	8.0	8.1	7.9	6.9	143.5	149.5
Pickles, sauces, and salad dressing .....	2035	20.7	15.9	14.5	7.0	6.4	8.9	8.1	105.5	111.1
Frozen fruits and vegetables .....	2037	48.8	14.5	15.2	7.5	7.6	7.0	7.6	144.2	136.2
Frozen specialties .....	2038	37.0	13.3	12.5	7.1	6.8	6.2	5.7	124.4	117.4
Grain mill products .....	2040	130.4	11.7	11.9	5.7	6.0	6.0	5.9	107.6	111.4
Flour and other grain mill products .....	2041	24.8	13.0	11.9	5.9	5.1	7.1	6.8	102.6	95.3
Cereal breakfast foods .....	2043	18.5	8.7	9.1	5.3	5.6	3.4	3.5	104.1	117.2
Rice milling .....	2044	5.5	15.2	18.7	8.0	9.2	7.2	9.5	164.1	176.8
Blended and prepared flour .....	2045	6.9	12.7	12.8	6.5	6.6	6.2	6.2	116.2	125.7
Wet corn milling .....	2046	10.2	9.3	9.2	4.6	4.6	4.7	4.6	103.6	97.9
Dog, cat, and other pet food .....	2047	17.0	13.6	12.3	6.8	6.5	6.8	5.8	125.4	126.2
Prepared feeds, n.e.c. ....	2048	47.5	11.3	12.6	5.2	6.4	6.1	6.2	98.6	106.1
Bakery products .....	2050	211.2	12.5	12.1	6.3	6.1	6.2	6.0	127.1	122.2
Bread, cake, and related products .....	2051	166.1	12.8	12.1	6.6	6.2	6.2	5.9	133.5	126.4
Cookies and crackers .....	2052	45.1	11.7	12.0	5.3	5.8	6.4	6.2	102.1	106.6
Sugar and confectionery products .....	2060	101.2	13.5	12.6	6.7	6.1	6.9	6.6	101.4	92.8
Raw cane sugar .....	2061	n.a.	27.0	20.7	15.3	10.2	11.6	10.5	181.8	141.2
Cane sugar refining .....	2062	7.5	10.7	7.3	6.3	3.2	4.4	4.2	115.2	70.9
Beet sugar .....	2063	9.8	16.4	17.1	9.5	9.6	6.8	7.5	139.5	112.7
Confectionery products .....	2065	55.6	12.3	12.3	5.3	5.7	6.9	6.7	88.7	88.9
Chocolate and cocoa products .....	2066	n.a.	10.4	10.2	5.1	5.2	5.4	5.0	70.9	90.7
Chewing gum .....	2067	n.a.	10.8	9.1	4.8	4.0	6.0	5.1	72.0	63.8
Fats and oils .....	2070	36.6	15.4	15.4	6.9	7.4	8.6	8.0	118.4	126.7
Cottonseed oil mills .....	2074	n.a.	16.9	16.3	6.5	7.9	10.3	8.4	109.7	143.4
Soybean oil mills .....	2075	n.a.	11.9	10.4	4.3	4.3	7.6	6.1	92.0	77.4
Vegetable oil mills, n.e.c. ....	2076	n.a.	10.6	13.2	4.9	5.9	5.7	7.3	91.6	100.7
Animal and marine fats and oils .....	2077	9.5	21.4	22.5	11.3	12.1	10.1	10.4	182.3	198.4
Shortening and cooking oils .....	2079	11.7	13.6	13.5	6.0	6.2	7.6	7.4	97.7	104.1
Beverages .....	2080	214.5	17.9	17.9	8.8	8.7	9.1	9.2	137.9	130.1
Malt beverages .....	2082	41.2	12.4	11.6	4.6	4.4	7.9	7.2	94.0	86.6
Malt .....	2083	n.a.	19.8	20.5	9.6	11.2	10.1	9.3	178.1	190.6
Wines, brandy, and brandy spirits .....	2084	14.3	21.9	19.9	10.2	8.7	11.6	11.3	160.4	134.8
Distilled liquor, except brandy .....	2085	14.2	12.3	14.4	6.5	7.6	5.8	6.8	117.7	116.9
Bottled and canned soft drinks .....	2086	128.9	20.7	21.0	10.8	10.7	10.0	10.3	160.1	151.3
Flavoring extracts and sirups, n.e.c. ....	2087	n.a.	10.7	8.2	5.2	3.8	5.5	4.4	63.5	55.4
Miscellaneous foods and kindred products .....	2090	168.1	14.1	14.3	6.4	7.0	7.6	7.4	105.8	112.0
Fresh or frozen packaged fish .....	2092	36.7	17.9	17.3	8.0	8.4	9.9	8.9	101.3	115.6
Roasted coffee .....	2095	12.2	10.1	9.7	4.8	4.6	5.3	5.1	107.9	75.4
Macaroni and spaghetti .....	2098	8.1	17.8	17.0	7.8	8.1	10.0	8.9	186.4	193.3
Food preparations, n.e.c. ....	2099	91.9	12.3	13.2	5.6	6.4	6.6	6.8	92.6	105.8
Tobacco manufactures .....	2100	64.8	6.5	7.7	3.0	3.2	3.6	4.5	42.8	51.7
Cigarettes .....	2110	45.3	5.0	5.7	2.3	2.5	2.7	3.1	37.8	50.2
Cigars .....	2120	5.7	7.2	6.3	3.4	3.0	3.8	3.3	36.2	41.1
Chewing and smoking tobacco .....	2130	n.a.	9.7	7.8	3.7	2.8	6.0	4.9	61.3	29.3

See footnotes at end of table.

**Table 1. Occupational injury and illness incidence rates by industry, 1983 and 1984<sup>1</sup>—Continued**

Industry <sup>2</sup>	SIC code <sup>3</sup>	1984 annual average employment (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	
			1983	1984	1983	1984	1983	1984	1983	1984
Tobacco stemming and redrying .....	2140	n.a.	14.5	17.8	6.7	6.7	7.9	11.0	72.2	73.4
Textile mill products .....	2200	746.0	7.4	8.0	2.8	3.0	4.6	4.9	51.4	54.0
Weaving mills, cotton .....	2210	119.1	5.3	5.1	1.6	1.8	3.7	3.3	33.8	36.6
Weaving mills, synthetics .....	2220	99.5	5.4	6.2	1.9	2.1	3.5	4.1	42.6	38.0
Weaving and finishing mills, wool .....	2230	18.0	9.3	11.9	4.7	5.8	4.6	6.0	85.6	123.8
Narrow fabric mills .....	2240	23.4	9.0	10.8	3.6	4.2	5.4	6.6	54.3	70.1
Knitting mills .....	2250	204.0	6.4	6.9	2.6	2.9	3.8	4.0	39.8	43.3
Women's hosiery, except socks .....	2251	33.3	4.7	4.8	2.1	2.4	2.5	2.4	29.6	53.9
Hosiery, n.e.c. ....	2252	34.7	6.3	6.7	2.5	2.5	3.9	4.1	37.8	31.4
Knit outerwear mills .....	2253	65.8	6.0	6.5	2.2	2.6	3.8	3.9	30.8	27.4
Knit underwear mills .....	2254	27.5	5.5	7.7	2.6	2.9	2.9	4.8	41.4	43.7
Circular knit fabric mills .....	2257	24.7	8.9	8.0	3.5	3.4	5.3	4.6	52.8	57.9
Warp knit fabric mills .....	2258	n.a.	8.4	9.9	3.8	4.4	4.6	5.6	67.6	84.1
Knitting mills, n.e.c. ....	2259	n.a.	8.7	9.8	5.0	5.1	3.7	4.7	75.4	66.0
Textile finishing, except wool .....	2260	68.1	10.6	10.5	4.4	4.6	6.2	5.9	85.5	88.1
Finishing plants, cotton .....	2261	26.3	9.3	9.5	3.9	4.1	5.4	5.3	78.8	83.0
Finishing plants, synthetics .....	2262	23.6	10.0	9.6	4.1	4.5	5.9	5.1	73.9	77.5
Finishing plants, n.e.c. ....	2269	18.2	13.7	13.2	5.6	5.5	8.0	7.6	115.4	109.4
Floor covering mills .....	2270	53.3	8.9	10.4	3.4	3.7	5.5	6.7	68.5	75.4
Woven carpets and rugs .....	2271	n.a.	12.7	10.0	5.1	4.7	7.5	5.3	83.4	58.8
Tufted carpets and rugs .....	2272	n.a.	8.4	10.3	3.2	3.6	5.3	6.7	65.0	78.7
Yarn and thread mills .....	2280	105.7	8.0	7.9	2.5	2.4	5.5	5.5	45.8	44.2
Yarn mills, except wool .....	2281	72.6	7.9	8.0	2.2	2.1	5.7	5.9	42.1	35.9
Throwing and winding mills .....	2282	16.8	8.2	7.6	2.9	2.9	5.3	4.7	51.9	68.9
Wool yarn mills .....	2283	7.2	10.0	9.1	4.0	3.9	6.0	5.2	64.6	60.5
Thread mills .....	2284	9.1	5.8	7.2	2.1	2.6	3.7	4.6	49.6	52.3
Miscellaneous textile goods .....	2290	55.1	11.5	13.1	4.7	5.2	6.9	7.9	88.8	82.9
Felt goods, except woven felts and hats .....	2291	n.a.	13.7	14.5	5.9	6.2	7.7	8.3	108.1	117.3
Lace goods .....	2292	n.a.	-	13.9	-	4.8	-	9.1	-	70.1
Paddings and upholstery filling .....	2293	n.a.	14.5	17.7	5.3	6.4	9.2	11.3	84.5	102.8
Processed textile waste .....	2294	6.5	11.7	12.8	4.7	5.5	7.1	7.3	87.4	111.2
Coated fabrics, not rubberized .....	2295	10.6	12.4	14.2	5.1	5.3	7.3	8.8	113.4	88.7
Tire cord and fabric .....	2296	6.7	6.5	7.8	2.0	3.1	4.5	4.8	60.1	48.1
Nonwoven fabrics .....	2297	n.a.	10.9	11.0	4.8	4.1	6.0	6.8	67.0	55.0
Cordage and twine .....	2298	8.0	14.8	16.1	5.9	6.8	9.0	9.3	76.2	85.8
Textile goods, n.e.c. ....	2299	23.4	7.2	10.9	3.4	4.1	3.7	6.8	104.3	65.7
Apparel and other textile products .....	2300	1,196.6	6.4	6.7	2.4	2.5	4.0	4.2	40.6	40.9
Men's and boys' suits and coats .....	2310	72.1	7.0	6.5	2.9	2.8	4.1	3.8	50.3	57.1
Men's and boys' furnishings .....	2320	337.6	7.7	8.1	3.1	3.2	4.6	4.9	51.2	52.5
Men's and boys' shirts and nightwear .....	2321	97.3	6.0	6.5	2.4	2.3	3.6	4.2	37.5	31.7
Men's and boys' underwear .....	2322	15.9	6.1	5.9	2.1	2.6	4.0	3.3	46.8	77.7
Men's and boys' neckwear .....	2323	7.2	3.1	4.1	.7	1.5	2.4	2.6	13.3	30.5
Men's and boys' separate trousers .....	2327	65.6	7.4	9.1	3.0	3.4	4.4	5.7	51.0	54.6
Men's and boys' work clothing .....	2328	99.0	10.8	9.9	4.6	4.3	6.2	5.6	78.2	73.9
Men's and boys' clothing, n.e.c. ....	2329	52.7	6.1	7.9	2.1	2.9	4.0	5.0	30.9	45.1
Women's and misses' outerwear .....	2330	387.3	4.7	4.8	1.7	1.7	3.0	3.2	31.5	27.2
Women's and misses' blouse and waists .....	2331	60.3	4.1	4.7	1.3	1.3	2.8	3.4	23.4	21.8
Women's and misses' dresses .....	2335	118.2	3.3	3.1	1.1	1.0	2.2	2.1	22.3	15.8
Women's and misses' suits and coats .....	2337	53.5	4.2	4.8	1.5	1.7	2.7	3.1	26.4	34.2
Women's and misses' outerwear, n.e.c. ....	2339	155.2	6.2	6.2	2.3	2.3	3.9	3.9	44.3	35.3
Women's and children's undergarments .....	2340	85.6	6.6	5.8	1.8	2.2	4.7	3.6	27.5	33.1
Women's and children's underwear .....	2341	69.1	6.3	5.7	1.8	2.1	4.6	3.6	27.0	30.9
Brassieres and allied garments .....	2342	16.5	7.5	6.4	2.1	2.4	5.4	4.0	29.4	42.4

See footnotes at end of table.

**Table 1. Occupational injury and illness incidence rates by industry, 1983 and 1984 <sup>1</sup>—Continued**

Industry <sup>2</sup>	SIC code <sup>3</sup>	1984 annual average employment (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	
			1983	1984	1983	1984	1983	1984	1983	1984
Hats, caps, and millinery .....	2350	16.9	5.8	7.6	2.3	3.0	3.6	4.6	34.1	48.7
Millinery .....	2351	n.a.	-	4.9	-	.6	-	4.3	-	13.1
Hats and caps, except millinery .....	2352	n.a.	6.2	8.0	2.5	3.3	3.7	4.7	39.3	53.5
Children's outerwear .....	2360	63.9	5.2	5.8	1.8	2.0	3.4	3.8	35.4	34.3
Children's dresses and blouses .....	2361	27.3	5.0	5.3	1.7	1.9	3.4	3.4	34.9	34.2
Children's outerwear, nec. ....	2369	32.4	-	6.3	-	2.1	-	4.2	-	32.8
Miscellaneous apparel and accessories .....	2380	46.0	5.4	5.9	2.1	2.2	3.2	3.7	27.6	34.7
Fabric dress and work gloves .....	2381	9.0	3.8	4.3	1.6	2.0	2.2	2.3	25.4	33.2
Waterproof outer garments .....	2385	8.2	5.5	7.7	2.1	3.4	3.4	4.3	31.5	59.1
Apparel belts .....	2387	10.2	6.0	4.7	2.2	1.8	3.8	3.0	23.0	28.6
Apparel and accessories, nec. ....	2389	6.1	-	6.6	-	1.6	-	5.0	-	36.0
Miscellaneous fabricated textile products .....	2390	184.3	8.4	8.9	3.1	3.4	5.2	5.6	49.6	48.2
Curtains and draperies .....	2391	26.6	8.3	7.8	3.2	3.4	5.1	4.4	55.0	54.4
House furnishings, n.e.c. ....	2392	52.4	9.1	10.9	3.4	3.8	5.6	7.1	56.4	55.4
Textile bags .....	2393	8.4	10.6	11.4	4.0	4.7	6.6	6.8	53.3	77.5
Canvas and related products .....	2394	16.9	9.9	9.3	4.0	3.9	5.9	5.4	53.1	64.3
Pleating and stitching .....	2395	14.2	5.4	5.0	2.1	2.0	3.3	3.0	38.0	24.7
Automotive and apparel trimmings .....	2396	36.7	5.5	8.2	2.1	2.7	3.4	5.5	44.4	37.3
Fabricated textile products, n.e.c. ....	2399	n.a.	11.6	8.6	3.9	3.4	7.7	5.2	43.4	37.4
Paper and allied products .....	2600	681.2	10.0	10.4	4.5	4.7	5.5	5.6	90.3	93.8
Pulp mills .....	2610	200.9	6.9	6.6	3.4	3.2	3.5	3.4	82.9	85.4
Paper mills, except building paper .....	2620	n.a.	7.7	7.7	3.3	3.3	4.4	4.3	86.3	86.2
Paperboard mills .....	2630	57.4	8.9	8.9	3.7	4.2	5.2	4.7	89.0	99.3
Miscellaneous converted paper products .....	2640	226.4	10.5	11.2	5.0	5.3	5.5	5.9	84.8	89.7
Paper coating and glazing .....	2641	58.3	8.1	9.3	3.6	4.5	4.4	4.8	58.1	76.8
Envelopes .....	2642	26.0	12.9	14.9	5.7	7.2	7.1	7.7	97.0	115.6
Bags, except textile bags .....	2643	50.4	11.8	12.2	5.3	5.2	6.4	7.0	85.7	92.4
Die-cut paper and board .....	2645	18.0	12.0	11.1	6.0	5.5	6.0	5.6	99.2	84.4
Pressed and molded pulp goods .....	2646	n.a.	9.2	10.4	5.0	6.0	4.2	4.4	112.2	159.9
Sanitary paper products .....	2647	28.6	8.1	7.2	4.3	3.4	3.7	3.7	81.2	76.3
Stationery products .....	2648	n.a.	10.6	13.6	6.0	7.5	4.6	6.1	80.5	100.5
Converted paper products, n.e.c. ....	2649	n.a.	12.5	13.0	6.0	6.0	6.5	7.0	116.5	93.7
Paperboard containers and boxes .....	2650	196.5	12.1	12.7	5.4	5.7	6.8	7.0	102.9	105.0
Folding paperboard boxes .....	2651	42.2	12.6	12.9	5.5	5.7	7.1	7.2	103.9	107.0
Set-up paperboard boxes .....	2652	11.4	11.4	12.8	4.5	5.9	6.9	7.0	76.2	102.7
Corrugated and solid fiber boxes .....	2653	101.4	13.0	13.3	5.6	5.9	7.3	7.4	111.7	104.6
Sanitary food containers .....	2654	24.3	8.2	10.5	4.3	5.2	3.8	5.3	80.9	98.4
Fiber cans, drums, and similar products .....	2655	17.3	11.7	12.0	5.1	5.8	6.6	6.2	93.8	113.0
Building paper and board mills .....	2660	n.a.	-	9.9	-	4.4	-	5.5	-	86.5
Printing and publishing .....	2700	1,372.4	6.6	6.5	2.9	2.9	3.7	3.6	44.6	46.0
Newspapers .....	2710	440.6	6.2	6.5	2.8	3.0	3.4	3.5	47.5	51.3
Periodicals .....	2720	106.7	3.6	3.2	1.9	1.8	1.7	1.5	29.3	28.3
Books .....	2730	102.3	5.6	5.5	2.4	2.3	3.2	3.2	39.5	34.6
Book publishing .....	2731	76.3	3.9	3.8	1.7	1.7	2.2	2.2	29.4	22.0
Miscellaneous publishing .....	2740	65.3	3.3	3.4	1.5	1.5	1.9	1.9	21.9	23.0
Commercial printing .....	2750	467.9	7.8	7.5	3.3	3.3	4.5	4.2	48.3	49.2
Commercial printing, letterpress .....	2751	156.7	7.0	7.0	3.2	3.0	3.9	4.0	51.8	46.5
Commercial printing, lithographic .....	2752	286.1	8.2	7.7	3.4	3.4	4.8	4.3	45.6	49.4
Engraving and plate printing .....	2753	11.1	6.2	7.3	2.2	3.0	4.1	4.3	32.6	56.5
Commercial printing, gravure .....	2754	14.0	10.6	9.6	4.9	4.6	5.7	5.0	75.1	67.2
Manifold business forms .....	2760	47.8	9.5	10.2	4.2	4.4	5.3	5.8	62.1	69.0

See footnotes at end of table.

Table 1. Occupational injury and illness incidence rates by industry, 1983 and 1984 <sup>1</sup>—Continued

Industry <sup>2</sup>	SIC code <sup>3</sup>	1984 annual average employment (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	
			1983	1984	1983	1984	1983	1984	1983	1984
Greeting card publishing .....	2770	24.3	5.9	5.6	2.7	2.9	3.3	2.7	43.7	43.9
Blankbooks and bookbinding .....	2780	69.3	9.4	9.5	4.1	4.4	5.3	5.0	60.0	65.9
Blankbooks and looseleaf binders .....	2782	41.5	9.9	9.5	4.2	4.2	5.7	5.3	61.2	58.8
Bookbinding and related work .....	2789	27.7	8.5	9.4	3.8	4.8	4.7	4.6	58.0	76.5
Printing trade services .....	2790	48.3	2.1	2.2	.6	.8	1.4	1.4	9.9	9.6
Typesetting .....	2791	30.9	1.4	1.4	.4	.6	1.0	.8	8.3	8.2
Chemicals and allied products .....	2800	1,048.1	5.5	5.3	2.5	2.4	3.0	2.8	42.3	40.8
Industrial inorganic chemicals .....	2810	142.7	3.9	3.2	1.7	1.4	2.2	1.8	33.4	27.5
Alkalies and chlorine .....	2812	15.6	4.0	2.5	1.7	1.1	2.3	1.3	38.1	20.5
Industrial gases .....	2813	23.6	3.1	3.5	1.4	1.5	1.8	1.9	29.6	28.9
Inorganic pigments .....	2816	9.8	-	6.0	-	2.5	-	3.4	-	37.8
Plastics materials and synthetics .....	2820	176.7	3.7	3.9	1.6	1.7	2.1	2.2	29.9	29.8
Plastics materials and resins .....	2821	75.3	5.0	5.7	2.2	2.6	2.8	3.1	39.5	42.2
Synthetic rubber .....	2822	13.2	5.3	4.7	2.5	2.1	2.8	2.5	43.0	29.7
Cellulosic man-made fibers .....	2823	18.9	4.3	4.4	2.1	2.0	2.2	2.4	49.4	54.2
Organic fibers, noncellulosic .....	2824	69.3	1.8	1.4	.6	.4	1.2	1.0	12.6	9.1
Drugs .....	2830	205.6	5.6	4.9	2.7	2.5	2.9	2.3	38.0	37.5
Biological products .....	2831	22.2	5.2	4.9	2.6	2.4	2.6	2.5	36.9	34.0
Medicinals and botanicals .....	2833	17.8	5.7	5.8	2.7	3.1	2.9	2.8	38.2	41.5
Pharmaceutical preparations .....	2834	165.6	5.7	4.7	2.8	2.5	2.9	2.3	38.1	37.5
Soap, cleaners, and toilet goods .....	2840	145.4	7.1	7.5	3.4	3.4	3.8	4.1	56.0	57.6
Soap and other detergents .....	2841	41.0	6.7	7.3	3.4	3.7	3.3	3.6	55.3	62.8
Polishes and sanitation goods .....	2842	n.a.	9.0	8.9	4.0	3.8	5.0	5.1	68.2	65.6
Surface active agents .....	2843	n.a.	7.8	8.5	3.8	3.5	3.9	5.0	66.8	67.7
Toilet preparations .....	2844	66.8	6.4	6.8	3.0	3.1	3.4	3.8	49.4	49.4
Paints and allied products .....	2850	61.8	9.4	9.7	3.9	4.4	5.5	5.2	59.4	68.1
Industrial organic chemicals .....	2860	163.7	3.9	3.7	1.6	1.7	2.3	2.0	36.2	31.3
Gum and wood chemicals .....	2861	n.a.	7.2	6.1	3.7	3.0	3.4	3.1	87.5	48.3
Cyclic crudes and intermediates .....	2865	31.5	3.8	5.1	1.9	2.2	1.9	2.8	43.5	42.6
Industrial organic chemicals, n.e.c. ....	2869	n.a.	3.7	3.3	1.3	1.5	2.3	1.8	30.3	27.4
Agricultural chemicals .....	2870	60.7	6.2	6.5	2.8	2.7	3.5	3.8	56.2	57.1
Phosphatic fertilizers .....	2874	13.2	5.3	6.0	2.8	3.1	2.5	2.9	66.9	75.5
Fertilizers, mixing only .....	2875	12.3	10.1	10.1	4.2	4.4	5.9	5.7	78.0	61.9
Miscellaneous chemical products .....	2890	91.5	8.8	7.5	4.0	3.4	4.8	4.1	61.6	52.2
Adhesives and sealants .....	2891	21.6	12.5	9.7	5.6	4.4	7.0	5.3	73.5	65.4
Explosives .....	2892	15.7	4.4	4.0	1.9	1.6	2.5	2.4	41.6	27.0
Printing ink .....	2893	12.0	13.4	10.5	6.7	4.6	6.7	6.0	65.3	60.2
Carbon black .....	2895	n.a.	-	4.4	-	2.9	-	1.5	-	62.6
Chemical preparations, n.e.c. ....	2899	n.a.	7.6	6.9	3.3	3.1	4.3	3.8	62.8	51.9
Petroleum and coal products .....	2900	188.8	5.5	5.1	2.4	2.4	3.0	2.7	46.8	53.5
Petroleum refining .....	2910	150.9	3.9	3.4	1.6	1.6	2.2	1.8	32.5	37.3
Paving and roofing materials .....	2950	26.9	12.2	11.8	5.7	5.7	6.4	6.2	114.9	128.1
Paving mixtures and blocks .....	2951	11.5	12.5	11.2	5.6	5.3	6.9	5.9	105.2	126.4
Asphalt felts and coatings .....	2952	15.5	11.9	12.3	5.8	6.0	6.1	6.3	122.1	129.3
Miscellaneous petroleum and coal products .....	2990	11.0	12.3	11.6	5.9	5.2	6.4	6.4	93.8	90.2
Lubricating oils and greases .....	2992	n.a.	11.6	11.4	5.5	4.9	6.0	6.5	90.4	84.3
Petroleum and coal products, n.e.c. ....	2999	n.a.	17.9	13.3	8.8	7.3	9.1	6.0	119.8	136.1
Rubber and miscellaneous plastics products .....	3000	781.5	13.0	13.6	6.2	6.4	6.8	7.1	101.4	104.3
Tires and inner tubes .....	3010	94.5	8.6	7.9	6.3	5.4	2.3	2.5	119.0	103.8
Rubber and plastics footwear .....	3020	16.5	11.8	11.3	6.1	6.4	5.7	4.9	141.2	118.6

See footnotes at end of table.



**Table 1. Occupational injury and illness incidence rates by industry, 1983 and 1984 <sup>1</sup>—Continued**

Industry <sup>2</sup>	SIC code <sup>3</sup>	1984 annual average employment (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	
			1983	1984	1983	1984	1983	1984	1983	1984
Reclaimed rubber .....	3030	n.a.	19.3	22.8	9.0	13.4	10.3	9.4	217.2	204.5
Rubber and plastics hose and belting .....	3040	n.a.	9.8	11.5	4.7	5.9	5.1	5.7	84.2	109.9
Fabricated rubber products, n.e.c .....	3060	109.8	13.5	14.1	6.5	7.1	7.0	7.0	101.8	115.9
Miscellaneous plastics products .....	3070	539.5	14.0	14.7	6.2	6.5	7.8	8.2	97.2	101.3
Leather and leather products .....	3100	192.2	10.0	10.5	4.4	4.7	5.6	5.8	87.3	94.4
Leather tanning and finishing .....	3110	16.7	19.6	20.2	9.9	10.3	9.7	9.8	186.8	199.0
Boot and shoe cut stock and findings .....	3130	9.0	11.4	11.7	5.6	5.2	5.8	6.5	105.4	76.8
Footwear, except rubber .....	3140	116.1	9.3	9.9	4.1	4.5	5.2	5.4	87.7	98.9
House slippers .....	3142	7.2	8.2	9.6	3.8	4.7	4.3	4.9	63.1	97.7
Men's footwear, except athletic .....	3143	47.9	9.8	10.9	4.4	4.9	5.4	6.0	97.0	102.5
Women's footwear, except athletic .....	3144	43.5	7.7	8.6	3.5	3.7	4.2	4.9	82.1	78.5
Footwear, except rubber, n.e.c .....	3149	17.6	12.2	10.5	4.9	5.2	7.3	5.3	86.8	138.4
Leather gloves and mittens .....	3150	3.4	4.5	11.9	1.7	2.3	2.8	9.6	45.1	50.2
Luggage .....	3160	13.7	9.5	11.0	4.1	4.3	5.4	6.7	62.7	73.9
Handbags and personal leather goods .....	3170	25.0	7.1	5.7	2.6	2.5	4.5	3.2	36.2	43.1
Women's handbags and purses .....	3171	13.8	6.4	4.8	2.1	1.9	4.3	3.0	35.0	32.7
Personal leather goods, n.e.c .....	3172	11.1	8.0	6.7	3.3	3.2	4.7	3.5	37.8	55.6
Leather goods, nec. ....	3190	8.3	-	8.5	-	2.5	-	6.0	-	34.6
Transportation and public utilities .....		5,171.0	8.2	8.8	4.7	5.2	3.5	3.6	94.9	105.1
Railroad transportation <sup>8</sup> .....	4000	368.6	8.0	8.7	5.3	5.8	2.7	2.9	76.9	93.3
Local and interurban passenger transit .....	4100	268.9	9.7	9.0	5.4	5.3	4.3	3.6	114.3	114.0
Local and suburban transportation .....	4110	84.8	13.8	12.2	8.0	7.5	5.8	4.7	133.0	128.1
Taxicabs .....	4120	39.0	3.8	4.7	2.5	2.9	1.3	1.8	64.9	60.7
Intercity highway transportation .....	4130	37.4	12.2	11.9	7.1	7.1	5.1	4.8	196.5	223.7
Transportation charter service .....	4140	n.a.	9.7	5.7	3.9	2.8	5.9	3.0	127.4	49.1
School buses .....	4150	86.7	6.7	6.1	3.3	3.3	3.4	2.8	63.8	73.4
Trucking and warehousing .....	4200	1,324.3	13.3	14.5	8.1	9.1	5.2	5.4	185.7	207.7
Trucking, local and long distance .....	4210	1,230.6	13.3	14.6	8.1	9.3	5.1	5.3	189.3	213.3
Public warehousing .....	4220	93.7	13.9	13.3	7.1	6.6	6.9	6.7	133.0	132.2
Water transportation .....	4400	199.2	10.8	13.2	6.4	7.3	4.4	5.8	229.9	270.0
Water transportation services .....	4460	107.7	17.1	17.8	10.5	10.5	6.6	7.3	401.0	414.6
Transportation by air .....	4500	493.0	12.7	13.1	7.3	7.5	5.4	5.6	97.7	107.8
Certificated air transportation .....	4510	404.9	13.3	13.3	7.7	7.9	5.6	5.5	103.7	115.8
Noncertificated air transportation .....	4520	29.8	-	10.8	-	4.3	-	6.5	-	53.2
Air transportation services .....	4580	58.2	11.0	12.6	5.7	6.2	5.2	6.3	76.0	78.1
Pipelines, except natural gas .....	4600	19.1	4.2	4.1	1.5	1.7	2.7	2.5	24.7	40.6
Transportation services .....	4700	255.9	3.4	3.9	1.8	2.2	1.6	1.7	37.9	37.4
Freight forwarding .....	4710	59.3	6.9	7.1	3.7	3.9	3.2	3.1	66.2	67.0
Arrangement of transportation .....	4720	173.5	1.1	1.3	.6	.6	.5	.6	17.3	10.9
Miscellaneous transportation services .....	4780	14.5	12.3	14.4	6.0	8.4	6.3	6.0	133.6	155.2
Communication .....	4800	1,342.9	2.9	2.7	1.5	1.4	1.4	1.2	27.1	24.6
Telephone communication .....	4810	954.4	2.0	1.7	1.2	1.1	.8	.6	22.4	21.5
Telegraph communication .....	4820	17.9	3.8	4.2	2.0	1.7	1.8	2.5	41.2	44.0
Radio and television broadcasting .....	4830	231.8	2.2	2.3	.9	.9	1.3	1.4	14.0	13.6
Communication services, n.e.c .....	4890	138.7	11.3	9.9	4.8	4.5	6.5	5.4	83.0	62.1
Electric, gas, and sanitary services .....	4900	898.9	7.2	7.4	3.6	3.7	3.6	3.7	61.4	59.5
Electric services .....	4910	442.1	6.2	6.3	2.9	2.9	3.3	3.3	52.2	48.0
Gas production and distribution .....	4920	172.4	6.9	7.4	3.5	3.5	3.4	3.9	49.8	50.8
Combination utility services .....	4930	200.3	5.7	5.7	3.1	3.0	2.6	2.6	59.9	57.4
Water supply .....	4940	21.7	10.6	11.9	5.3	6.0	5.3	5.9	91.9	73.6
Sanitary services .....	4950	59.0	20.9	19.9	11.1	10.8	9.8	9.2	170.1	169.0

See footnotes at end of table.

Table 1. Occupational injury and illness incidence rates by industry, 1983 and 1984 <sup>1</sup>—Continued

Industry <sup>2</sup>	SIC code <sup>3</sup>	1984 annual average employment (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	
			1983	1984	1983	1984	1983	1984	1983	1984
Wholesale and retail trade .....		22,134.0	7.2	7.4	3.1	3.3	4.1	4.2	47.8	50.5
Wholesale trade .....		5,550.0	7.0	7.2	3.2	3.5	3.8	3.8	50.6	55.5
Wholesale trade-durable goods .....	5000	3,272.0	6.4	6.7	2.7	3.0	3.7	3.8	39.7	45.3
Motor vehicles and automotive equipment .....	5010	423.9	6.9	8.4	2.9	3.6	4.0	4.7	46.2	58.1
Furniture and home furnishings .....	5020	124.6	-	7.5	-	3.5	-	3.9	-	43.2
Lumber and construction materials .....	5030	201.4	11.1	11.4	4.9	5.7	6.2	5.7	68.9	86.2
Metals and minerals, except petroleum .....	5050	137.4	11.6	12.4	5.0	5.7	6.6	6.7	80.6	91.9
Electrical goods .....	5060	476.7	-	3.1	-	1.5	-	1.6	-	24.9
Hardware, plumbing and heating equipment .....	5070	249.9	6.0	6.3	2.6	3.0	3.4	3.3	29.7	40.5
Machinery, equipment, and supplies .....	5080	1,393.1	5.7	6.0	2.3	2.3	3.5	3.7	32.1	33.6
Miscellaneous durable goods .....	5090	191.8	10.2	9.6	4.8	5.0	5.4	4.6	73.4	90.0
Wholesale trade-nondurable goods .....	5100	2,278.0	7.9	8.0	4.1	4.2	3.8	3.8	66.3	70.6
Paper and paper products .....	5110	175.0	4.9	7.0	2.8	3.8	2.1	3.2	43.2	61.4
Groceries and related products .....	5140	710.3	12.3	11.7	6.6	6.5	5.7	5.2	106.0	109.5
Farm-product raw materials .....	5150	144.0	6.9	7.8	2.9	3.5	3.9	4.2	64.1	56.9
Chemicals and allied products .....	5160	130.7	-	4.5	-	2.1	-	2.4	-	-
Petroleum and petroleum products .....	5170	206.8	4.5	4.2	2.2	2.2	2.4	1.9	45.9	44.9
Beer, wine, and distilled beverages .....	5180	153.0	11.5	13.2	6.3	7.1	5.2	6.0	103.1	118.9
Miscellaneous nondurable goods .....	5190	415.2	5.4	5.9	2.8	2.8	2.7	3.1	40.6	47.8
Retail trade .....		16,584.0	7.3	7.5	3.0	3.2	4.3	4.3	46.7	48.4
Building materials and garden supplies .....	5200	658.3	8.5	9.6	3.7	4.5	4.8	5.2	57.9	66.2
Lumber and other building materials .....	5210	343.6	10.8	12.6	4.9	6.0	5.9	6.6	75.7	92.7
Paint, glass, and wallpaper stores .....	5230	64.9	7.6	9.0	2.7	3.5	4.8	5.5	48.8	47.1
Hardware stores .....	5250	154.8	4.8	4.9	1.9	2.1	2.9	2.8	24.4	26.8
Retail nurseries and garden stores .....	5260	65.7	6.5	6.4	2.8	3.1	3.7	3.3	34.6	34.1
General merchandise stores .....	5300	2,277.6	9.7	9.8	4.0	4.1	5.7	5.6	55.8	60.8
Department stores .....	5310	1,925.2	10.2	10.3	4.2	4.4	6.0	5.9	60.1	64.9
Variety stores .....	5330	216.3	7.3	8.0	2.7	2.9	4.6	5.1	35.9	43.8
Miscellaneous general merchandise stores .....	5390	136.1	-	6.2	-	2.5	-	3.6	-	34.6
Food stores .....	5400	2,654.7	10.4	10.8	4.5	4.9	5.9	5.9	79.8	85.9
Grocery stores .....	5410	2,317.8	11.2	11.8	4.8	5.4	6.4	6.4	86.0	94.3
Automotive dealers and service stations .....	5500	1,802.1	6.8	7.0	2.5	2.7	4.4	4.2	39.7	46.6
New and used car dealers .....	5510	796.4	8.6	8.5	2.7	2.8	5.9	5.7	41.1	44.8
Auto and home supply stores .....	5530	296.0	9.2	8.5	4.2	4.3	5.0	4.3	66.8	64.6
Gasoline service stations .....	5540	581.0	3.6	3.9	1.5	1.8	2.2	2.1	27.4	44.4
Apparel and accessory stores .....	5600	1,002.4	2.4	2.8	1.0	1.1	1.4	1.6	17.9	19.5
Women's ready-to-wear stores .....	5620	363.2	-	3.0	-	1.2	-	1.8	-	23.8
Children's and infants wear stores .....	5640	34.0	-	2.9	-	.5	-	2.4	-	-
Family clothing stores .....	5650	200.3	4.3	4.9	1.9	2.2	2.4	2.6	21.7	28.7
Shoe stores .....	5660	208.3	-	1.8	-	.7	-	1.0	-	7.0
Furniture and home furnishing stores .....	5700	674.7	3.7	4.3	1.8	2.1	1.9	2.1	30.4	37.8
Furniture and home furnishings stores .....	5710	390.9	4.2	5.1	2.1	2.7	2.1	2.4	35.6	46.4
Household appliance stores .....	5720	82.9	3.7	4.0	1.9	1.9	1.8	2.1	27.6	50.2
Radio, television, and music stores .....	5730	200.9	2.5	2.9	1.2	1.2	1.4	1.7	20.5	16.7
Eating and drinking places .....	5800	5,403.3	7.8	7.8	3.0	3.0	4.7	4.7	40.5	34.3
Miscellaneous retail .....	5900	2,110.9	3.6	3.9	1.7	1.9	1.9	2.0	31.4	34.0
Drug stores and proprietary stores .....	5910	530.1	3.1	3.5	1.2	1.4	1.9	2.0	24.6	21.9
Liquor stores .....	5920	128.3	2.5	2.5	1.1	1.2	1.4	1.3	42.5	43.1
Used merchandise stores .....	5930	71.9	-	6.9	-	3.3	-	3.5	-	57.6
Miscellaneous shopping goods stores .....	5940	689.5	2.2	2.3	1.0	1.0	1.2	1.3	14.6	16.2
Nonstore retailers .....	5960	258.0	7.3	7.9	3.6	4.4	3.7	3.5	45.4	64.7
Fuel and ice dealers .....	5980	104.8	7.2	7.1	3.9	4.0	3.2	3.1	60.2	61.5

See footnotes at end of table.

**Table 1. Occupational injury and illness incidence rates by industry, 1983 and 1984<sup>1</sup>—Continued**

Industry <sup>2</sup>	SIC code <sup>3</sup>	1984 annual average employment (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	
			1983	1984	1983	1984	1983	1984	1983	1984
Retail stores, n.e.c .....	5990	328.2	2.3	2.9	1.2	1.6	1.1	1.3	44.1	43.6
Finance, insurance, and real estate .....		5,682.0	2.0	1.9	.9	.9	1.1	1.0	12.8	13.6
Banking .....	6000	1,676.2	1.6	1.6	.6	.7	1.0	.9	8.2	10.7
Commercial and stock savings banks .....	6020	1,520.0	1.7	1.5	.6	.6	1.0	.9	7.9	9.0
Mutual savings banks .....	6030	76.7	-	2.3	-	1.3	-	.9	-	36.2
Functions closely related to banking .....	6050	n.a.	-	.9	-	.6	-	.4	-	15.3
Credit agencies other than banks .....	6100	697.7	1.3	1.4	.5	.6	.8	.8	6.3	7.9
Savings and loan associations .....	6120	325.5	1.8	1.8	.7	.7	1.1	1.1	7.2	9.0
Personal credit institutions .....	6140	204.1	-	.8	-	.4	-	.4	-	-
Mortgage bankers and brokers .....	6160	102.1	-	1.4	-	.6	-	.7	-	8.8
Security, commodity brokers and services .....	6200	339.7	.8	.7	.3	.3	.5	.4	3.8	4.7
Security brokers and dealers .....	6210	274.1	.7	.6	.2	.3	.5	.3	3.1	3.0
Security and commodity services .....	6280	n.a.	.9	1.1	.4	.5	.5	.6	4.5	10.5
Insurance carriers .....	6300	1,233.3	1.8	1.7	.8	.8	1.0	.9	12.5	11.9
Life insurance .....	6310	532.0	1.4	1.6	.7	.8	.7	.8	12.7	14.1
Medical service and health insurance .....	6320	153.2	2.0	2.1	.9	.9	1.1	1.1	12.0	13.4
Fire, marine, and casualty insurance .....	6330	467.9	2.3	1.8	.9	.7	1.4	1.1	12.2	10.2
Insurance agents, brokers and service .....	6400	519.3	.8	.8	.3	.3	.5	.5	4.4	4.9
Real estate .....	6500	1,059.2	4.4	4.5	2.2	2.2	2.2	2.3	35.0	33.6
Real estate operators and lessors .....	6510	491.2	5.0	5.2	2.5	2.6	2.4	2.6	39.4	35.4
Real estate agents and managers .....	6530	413.4	2.9	2.9	1.4	1.5	1.5	1.4	22.5	25.0
Subdividers and developers .....	6550	130.1	7.9	7.9	3.9	3.8	4.0	4.2	59.9	61.5
Combined real estate, insurance, etc .....	6600	15.0	-	.6	-	.3	-	.3	-	7.7
Services .....		20,761.0	5.1	5.2	2.4	2.5	2.7	2.7	37.0	41.1
Hotels and other lodging places .....	7000	1,271.0	9.2	9.8	3.8	4.1	5.4	5.7	54.5	63.4
Hotels, motels, and tourist courts .....	7010	1,225.5	9.3	10.0	3.8	4.2	5.5	5.8	55.3	65.1
Personal services .....	7200	1,023.9	2.9	2.9	1.4	1.5	1.5	1.4	20.8	24.7
Laundry, cleaning, and garment services .....	7210	366.3	5.0	5.2	2.4	2.6	2.5	2.5	38.9	42.9
Photographic studios, portrait .....	7220	52.6	-	3.6	-	1.6	-	2.0	-	41.5
Miscellaneous personal services .....	7290	n.a.	-	2.4	-	1.4	-	1.0	-	20.0
Business services .....	7300	4,075.6	4.7	4.9	2.1	2.2	2.5	2.6	33.5	39.2
Services to buildings .....	7340	608.9	7.1	7.9	3.8	3.9	3.3	4.0	59.4	63.4
Personnel supply services .....	7360	828.0	7.5	8.1	3.0	3.7	4.5	4.4	49.1	51.3
Computer and data processing services .....	7370	473.7	1.3	1.4	.5	.6	.8	.7	8.4	9.6
Miscellaneous business services .....	7390	1,727.9	4.7	4.5	2.2	2.0	2.6	2.5	31.5	41.0
Auto repair, services, and garages .....	7500	683.2	7.1	6.9	3.3	3.2	3.8	3.7	52.3	52.6
Automotive rentals, without drivers .....	7510	138.6	8.2	7.3	4.5	3.8	3.7	3.5	68.6	63.8
Automobile parking .....	7520	44.2	-	3.7	-	1.7	-	2.0	-	29.7
Automotive repair shops .....	7530	424.8	7.4	7.4	3.2	3.3	4.1	4.1	52.6	53.2
Automotive services, except repair .....	7540	75.6	5.0	4.4	2.5	1.9	2.5	2.5	37.7	40.2
Miscellaneous repair services .....	7600	315.1	7.9	8.2	3.7	4.0	4.1	4.2	61.8	68.8
Electrical repair shops .....	7620	97.7	5.5	6.2	2.5	3.0	2.9	3.1	41.9	55.8
Miscellaneous repair shops .....	7690	n.a.	9.8	10.1	4.7	4.9	5.2	5.2	76.8	82.3
Motion pictures .....	7800	219.8	4.1	4.1	1.6	1.7	2.5	2.4	29.0	30.7
Motion picture production and services .....	7810	99.4	-	5.4	-	2.2	-	3.2	-	39.4
Motion picture theaters .....	7830	108.6	2.9	2.7	1.2	1.1	1.7	1.6	14.3	19.2
Amusement and recreation services .....	7900	801.1	8.2	9.0	3.7	3.9	4.5	5.1	53.9	52.0
Bowling and billiard establishments .....	7930	99.1	3.6	5.0	1.6	2.7	2.0	2.3	29.6	40.3
Miscellaneous amusement, recreational services .....	7990	n.a.	8.4	8.4	3.8	3.5	4.6	4.8	50.0	44.6

See footnotes at end of table.

**Table 1. Occupational injury and illness incidence rates by industry, 1983 and 1984<sup>1</sup>—Continued**

Industry <sup>2</sup>	SIC code <sup>3</sup>	1984 annual average employment (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	
			1983	1984	1983	1984	1983	1984	1983	1984
Health services .....	8000	6,104.1	6.3	6.3	3.2	3.3	3.1	2.9	50.3	57.1
Nursing and personal care facilities .....	8050	1,144.6	11.0	11.6	6.0	6.5	5.0	5.1	98.2	121.3
Hospitals .....	8060	2,993.5	7.4	7.3	3.6	3.8	3.8	3.5	57.2	62.6
Legal services .....	8100	649.7	.5	.5	.2	.2	.3	.2	4.8	5.3
Educational services .....	8200	1,247.3	3.4	3.3	1.4	1.3	2.0	2.0	18.3	21.7
Colleges and universities .....	8220	770.2	4.0	3.9	1.6	1.6	2.4	2.3	22.9	26.9
Social services .....	8300	1,241.4	5.3	5.3	2.5	2.5	2.8	2.8	37.6	39.1
Individual and family services .....	8320	245.6	4.5	3.7	2.3	2.1	2.2	1.6	30.8	41.2
Job training and related services .....	8330	192.1	8.5	8.3	3.6	3.6	4.9	4.7	47.1	41.9
Residential care .....	8360	267.8	7.5	8.4	3.6	3.9	3.8	4.4	54.8	62.8
Social services, n.e.c. ....	8390	226.7	4.7	4.6	2.2	2.2	2.5	2.5	30.1	33.9
Museums, botanical, zoological gardens .....	8400	42.1	6.4	6.3	2.7	2.7	3.7	3.5	33.5	40.0
Museums and art galleries .....	8410	n.a.	4.4	4.2	1.8	2.0	2.5	2.2	23.4	25.2
Botanical and zoological gardens .....	8420	n.a.	14.8	15.0	6.1	6.0	8.6	9.0	76.3	102.5
Miscellaneous services .....	8900	1,158.1	1.3	1.4	.5	.6	.7	.8	7.7	9.0
Engineering and architectural services .....	8910	635.4	1.7	1.9	.7	.8	1.0	1.1	11.0	11.5
Noncommercial research organizations .....	8920	110.9	2.2	2.5	1.0	1.2	1.2	1.3	11.7	16.5
Accounting, auditing and bookkeeping .....	8930	389.0	.3	.3	.1	.2	.2	.2	1.6	3.3

<sup>1</sup> To maintain comparability with the rest of the series, a statistical method was used for generating the estimates to represent the small nonfarm employers in low-risk industries who were not surveyed for 1983 and 1984. The estimating procedure involved averaging the data reported by small employers for the 1980, 1981, and 1982 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, 1977 Supplement.*

<sup>4</sup> Employment is expressed as an annual average and is derived primarily from the BLS-State Current Employment and Earnings Survey. Annual average employment for the agriculture, forestry, and fishing division is a composite of employment data for agricultural production (SIC's 01 and 02) as obtained from the Annual Survey of Occupational Injuries and Illnesses and employment data for agricultural services (SIC 07); forestry (SIC 08); and fishing, hunting, and trapping (SIC 09) as obtained from State unemployment insurance programs.

<sup>5</sup> Incidence rates represent the number of injuries and illnesses per 100 full-time workers and were 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 the calendar year  
 200,000 = base for 100 full-time workers (working 40 hours per week, 50 weeks per year).

<sup>6</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 may not reflect the fatality rate.

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

<sup>8</sup> Data conforming to OSHA definitions for employers in the railroad industry and for mining operators in coal, metal, and nonmetal mining were provided to BLS by the Federal Railroad Administration, U.S. Department of Transportation and the Mine Safety and Health Administration, U.S. Department of Labor. Independent mining contractors are excluded from the coal, metal, and nonmetal mining industries.

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

n.a. = data not available.  
 n.e.c. = not elsewhere classified.

**Table 2. Number of occupational injuries and illnesses and lost workdays by industry division, 1983 and 1984<sup>1</sup>**  
(In thousands)

Industry division	Total cases <sup>2</sup>		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
	1983	1984	1983	1984	1983	1984	1983	1984
<b>Injuries and illnesses</b>								
Private sector <sup>3</sup> .....	4,854.1	5,419.7	2,182.7	2,501.5	2,667.6	2,913.4	37,201.4	42,983.8
Agriculture, forestry, and fishing <sup>3</sup> .....	88.0	93.6	45.1	47.4	42.8	46.0	668.8	709.6
Mining <sup>4</sup> .....	78.9	94.1	42.2	52.0	36.5	41.7	1,178.9	1,560.7
Construction .....	494.6	582.0	210.0	258.8	283.9	322.4	3,944.9	4,794.9
Manufacturing .....	1,772.8	1,988.6	763.7	873.6	1,008.2	1,114.1	12,983.0	14,644.1
Durable goods .....	1,078.0	1,261.3	450.8	543.0	626.6	717.8	7,643.1	9,071.9
Nondurable goods .....	694.8	727.3	312.9	330.7	381.6	396.3	5,339.9	5,572.2
Transportation and public utilities .....	379.1	427.9	217.9	251.6	160.5	175.4	4,395.4	5,131.5
Wholesale and retail trade .....	1,186.4	1,314.5	506.0	579.1	679.9	734.4	7,873.5	8,925.9
Wholesale trade .....	346.2	379.8	160.4	181.1	185.6	198.1	2,496.1	2,910.3
Retail trade .....	840.2	934.7	345.6	398.0	494.3	536.3	5,377.4	6,015.6
Finance, insurance, and real estate .....	95.3	98.6	42.0	45.1	53.1	53.3	622.6	691.0
Services .....	759.1	820.5	355.9	393.9	402.8	426.0	5,534.4	6,525.9
<b>Injuries</b>								
Private sector <sup>3</sup> .....	4,748.0	5,294.8	2,140.3	2,449.7	2,604.5	2,841.1	36,373.5	41,921.9
Agriculture, forestry, and fishing <sup>3</sup> .....	84.6	90.2	44.1	46.3	40.3	43.7	659.2	699.7
Mining <sup>4</sup> .....	77.9	92.9	41.7	51.4	36.0	41.1	1,170.0	1,552.0
Construction .....	489.2	575.9	207.9	256.5	280.7	318.6	3,913.1	4,741.6
Manufacturing .....	1,712.9	1,916.1	738.6	841.8	973.6	1,073.6	12,440.0	13,944.5
Durable goods .....	1,042.0	1,217.5	436.5	524.5	605.1	692.4	7,323.9	8,654.2
Nondurable goods .....	670.9	698.7	302.1	317.3	368.6	381.2	5,116.1	5,290.3
Transportation and public utilities .....	374.0	422.1	215.7	249.3	157.7	172.0	4,369.5	5,086.0
Wholesale and retail trade .....	1,177.1	1,302.9	502.5	574.3	674.1	728.0	7,806.8	8,833.6
Wholesale trade .....	342.5	374.9	159.0	179.3	183.3	195.3	2,472.8	2,871.3
Retail trade .....	834.6	928.0	343.5	395.0	490.8	532.7	5,334.0	5,962.3
Finance, insurance, and real estate .....	93.6	96.7	41.2	44.3	52.3	52.2	603.6	669.0
Services .....	738.6	798.1	348.5	385.8	389.8	411.9	5,411.3	6,395.5
<b>Illnesses</b>								
Private sector <sup>3</sup> .....	106.1	124.8	42.4	51.8	63.1	72.3	827.9	1,061.9
Agriculture, forestry, and fishing <sup>3</sup> .....	3.5	3.4	1.0	1.1	2.5	2.3	9.6	9.9
Mining <sup>4</sup> .....	1.0	1.3	.5	.6	.5	.6	8.9	8.8
Construction .....	5.4	6.1	2.0	2.2	3.2	3.8	31.8	53.3
Manufacturing .....	59.8	72.4	25.2	31.9	34.6	40.5	543.0	699.7
Durable goods .....	36.0	43.9	14.4	18.5	21.5	25.3	319.3	417.8
Nondurable goods .....	23.9	28.6	10.8	13.4	13.0	15.1	223.8	281.9
Transportation and public utilities .....	5.0	5.8	2.1	2.3	2.8	3.4	25.8	45.5
Wholesale and retail trade .....	9.3	11.5	3.5	4.8	5.8	6.5	66.7	92.4
Wholesale trade .....	3.7	4.9	1.4	1.8	2.3	2.8	23.3	39.0
Retail trade .....	5.6	6.7	2.1	3.0	3.4	3.6	43.4	53.4
Finance, insurance, and real estate .....	1.6	1.9	.8	.8	.8	1.0	19.0	22.0
Services .....	20.5	22.4	7.3	8.1	13.0	14.1	123.1	130.4

<sup>1</sup> To maintain comparability with the rest of the series, a statistical method was used for generating the estimates to represent the small nonfarm employers in low-risk industries who were not surveyed for 1983 and 1984. The estimating procedure involved averaging the data reported by small employers for the 1980, 1981, and 1982 surveys.

<sup>2</sup> Includes fatalities.

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

<sup>4</sup> Excludes independent mining contractors.

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

**Table 3. Occupational injury incidence rates by industry, 1983 and 1984 <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	
		1983	1984	1983	1984	1983	1984	1983	1984
Private sector <sup>6</sup> .....		7.5	7.8	3.4	3.6	4.1	4.2	57.2	61.8
Agriculture, forestry, and fishing <sup>6</sup> .....		11.5	11.5	6.0	5.9	5.5	5.6	89.5	89.4
Agricultural production <sup>6</sup> .....	01-02	13.1	13.0	6.8	6.6	6.3	6.4	99.6	98.8
Agricultural services .....	0700	9.6	9.8	5.0	5.0	4.6	4.8	76.4	72.7
Forestry .....	0800	9.8	13.5	5.5	8.3	4.4	5.2	96.0	184.4
Fishing, hunting, and trapping .....	0900	4.8	6.0	2.9	3.8	1.6	2.1	72.1	112.8
Mining <sup>7</sup> .....		8.3	9.5	4.4	5.3	3.8	4.2	124.1	159.3
Metal mining <sup>7</sup> .....	1000	5.9	6.1	3.4	3.4	2.5	2.6	89.9	95.6
Anthracite mining <sup>7</sup> .....	1100	6.7	7.1	6.1	6.3	.5	.7	470.4	281.4
Bituminous coal and lignite mining <sup>7</sup> .....	1200	7.0	6.9	5.5	5.5	1.5	1.4	187.1	191.5
Oil and gas extraction .....	1300	9.6	11.7	4.6	5.9	5.1	5.8	119.7	172.1
Crude petroleum and natural gas .....	1310	3.4	2.9	1.4	1.3	2.0	1.6	34.4	34.2
Natural gas liquids .....	1320	-	3.3	-	1.2	-	2.0	-	32.2
Oil and gas field services .....	1380	14.2	18.0	6.8	9.2	7.3	8.8	182.1	271.6
Nonmetallic minerals, except fuels <sup>7</sup> .....	1400	3.9	3.9	2.6	2.7	1.2	1.2	65.5	72.7
Construction .....		14.7	15.4	6.2	6.9	8.4	8.5	117.3	126.7
General building contractors .....	1500	14.2	15.3	6.1	6.9	8.1	8.4	112.0	120.5
Residential building construction .....	1520	11.7	12.4	5.7	6.2	6.0	6.2	105.2	110.3
Operative builders .....	1530	9.6	11.4	4.2	5.7	5.3	5.6	67.4	74.6
Nonresidential building construction .....	1540	17.2	18.7	6.7	7.6	10.4	11.1	124.1	136.3
Heavy construction contractors .....	1600	15.2	14.7	6.1	6.3	9.1	8.3	121.7	130.8
Highway and street construction .....	1610	14.1	14.5	5.8	6.3	8.3	8.1	108.4	132.6
Heavy construction, except highway .....	1620	15.7	14.8	6.2	6.4	9.4	8.4	127.0	130.0
Special trade contractors .....	1700	14.6	15.7	6.3	7.0	8.3	8.6	118.0	128.2
Plumbing, heating, air conditioning .....	1710	15.5	16.2	5.8	6.3	9.7	10.0	99.8	106.6
Painting, paper hanging, decorating .....	1720	9.1	10.1	4.9	5.4	4.2	4.7	123.7	125.1
Electrical work .....	1730	13.6	14.3	5.2	5.4	8.4	8.8	84.7	86.9
Masonry, stonework, and plastering .....	1740	15.6	17.2	7.1	8.5	8.5	8.6	123.8	152.0
Carpentering and flooring .....	1750	13.0	14.8	7.0	7.8	6.0	7.0	130.9	130.9
Roofing and sheet metal work .....	1760	18.5	21.2	10.2	11.5	8.2	9.7	222.3	237.8
Concrete work .....	1770	13.9	14.4	6.9	7.1	7.0	7.2	128.6	125.6
Water well drilling .....	1780	11.2	12.8	5.7	7.3	5.5	5.4	97.5	142.2
Miscellaneous special trade contractors .....	1790	14.9	15.6	6.4	7.1	8.4	8.5	127.3	141.2
Manufacturing .....		9.7	10.2	4.2	4.5	5.5	5.7	70.4	74.2
Durable goods .....		10.0	10.7	4.2	4.6	5.8	6.1	70.3	76.3
Lumber and wood products .....	2400	18.1	19.3	9.1	9.8	9.0	9.5	161.4	169.8
Logging camps and logging contractors .....	2410	21.2	21.4	13.6	13.8	7.5	7.5	319.4	318.7
Sawmills and planing mills .....	2420	16.8	18.6	8.7	9.7	8.0	8.9	166.7	172.2
Sawmills and planing mills, general .....	2421	16.5	18.1	8.8	9.6	7.8	8.5	171.2	173.0
Hardwood dimension and flooring .....	2426	16.9	20.2	7.5	9.1	9.3	11.1	128.2	153.2
Millwork, plywood and structural members .....	2430	16.9	17.8	7.8	8.4	9.0	9.4	122.0	132.6
Millwork .....	2431	18.9	19.4	8.2	8.4	10.8	11.1	127.8	133.5
Wood kitchen cabinets .....	2434	15.2	17.6	7.2	8.7	8.1	9.0	98.9	124.0
Hardwood veneer and plywood .....	2435	15.8	16.1	6.7	6.8	9.1	9.3	102.6	112.2
Softwood veneer and plywood .....	2436	10.7	11.1	5.8	6.3	4.9	4.8	122.0	131.0
Structural wood members, n.e.c. ....	2439	28.4	27.3	14.7	14.5	13.7	12.8	192.0	183.0
Wood containers .....	2440	16.3	18.0	8.2	9.9	8.1	8.0	135.6	171.3
Nailed wood boxes and shook .....	2441	16.0	18.1	7.6	10.1	8.4	8.0	142.9	142.1
Wood pallets and skids .....	2448	17.9	18.8	9.1	10.8	8.8	8.0	143.9	196.1
Wood containers, n.e.c. ....	2449	12.3	15.5	6.3	7.3	6.1	8.2	110.2	117.3

See footnotes at end of table.

**Table 3. Occupational injury incidence rates by industry, 1983 and 1984<sup>1</sup>—Continued**

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	
		1983	1984	1983	1984	1983	1984	1983	1984
Wood buildings and mobile homes .....	2450	27.3	29.2	12.4	12.8	14.9	16.5	174.3	179.7
Mobile homes .....	2451	29.3	30.3	13.4	13.0	15.9	17.3	188.7	182.8
Prefabricated wood buildings .....	2452	22.1	26.4	9.6	12.2	12.5	14.2	135.2	171.5
Miscellaneous wood products .....	2490	14.3	15.1	6.7	7.2	7.6	7.9	109.9	117.3
Wood preserving .....	2491	17.7	16.1	7.4	8.0	10.3	8.1	136.6	138.5
Particleboard .....	2492	7.1	8.7	3.4	3.6	3.8	5.1	84.7	69.1
Wood products, n.e.c. ....	2499	14.4	15.8	6.9	7.5	7.5	8.3	107.0	119.5
Furniture and fixtures .....	2500	13.8	14.9	5.6	6.3	8.2	8.7	80.2	97.7
Household furniture .....	2510	13.0	13.6	5.2	5.7	7.8	7.9	74.6	89.6
Wood household furniture .....	2511	13.1	13.5	5.0	5.5	8.1	8.0	71.0	86.1
Upholstered household furniture .....	2512	11.8	12.6	4.7	5.3	7.1	7.3	63.5	79.9
Metal household furniture .....	2514	15.1	15.2	5.7	5.9	9.4	9.3	81.3	94.4
Mattresses and bedsprings .....	2515	15.3	16.5	7.2	7.6	8.1	8.9	112.7	121.8
Wood TV and radio cabinets .....	2517	10.3	12.4	4.9	6.8	5.4	5.6	66.4	123.2
Household furniture, n.e.c. ....	2519	12.0	12.8	6.0	5.8	6.1	7.0	107.1	87.0
Office furniture .....	2520	15.2	17.9	6.8	7.8	8.4	10.2	97.1	115.6
Wood office furniture .....	2521	13.4	14.8	6.3	6.7	7.1	8.0	94.3	89.6
Metal office furniture .....	2522	16.7	20.7	7.2	8.7	9.5	12.0	99.3	138.1
Public building and related furniture .....	2530	14.7	16.7	5.2	6.3	9.6	10.4	86.6	114.8
Partitions and fixtures .....	2540	15.7	17.5	6.5	7.6	9.2	9.9	88.3	111.7
Wood partitions and fixtures .....	2541	15.3	17.0	6.6	7.6	8.7	9.4	87.1	109.0
Metal partitions and fixtures .....	2542	16.2	18.1	6.4	7.5	9.8	10.5	89.6	114.7
Miscellaneous furniture and fixtures .....	2590	13.8	13.8	5.2	5.4	8.5	8.3	78.7	91.3
Drapery hardware and blinds and shades .....	2591	12.8	11.2	4.9	4.7	7.9	6.5	75.0	74.8
Furniture and fixtures, n.e.c. ....	2599	15.1	17.4	5.7	6.5	9.4	10.9	83.6	114.3
Stone, clay, and glass products .....	3200	12.8	13.3	5.9	6.4	6.9	6.9	109.4	117.3
Flat glass .....	3210	14.4	15.2	4.4	4.2	9.9	11.0	82.8	75.9
Glass and glassware, pressed or blown .....	3220	11.6	11.7	5.7	5.7	5.9	6.0	109.9	110.0
Glass containers .....	3221	12.8	13.5	6.7	6.9	6.1	6.6	132.4	137.2
Pressed and blown glass, n.e.c. ....	3229	10.1	9.7	4.4	4.4	5.7	5.3	83.1	81.2
Products of purchased glass .....	3230	15.4	15.7	6.0	6.1	9.5	9.6	95.0	87.8
Cement, hydraulic .....	3240	-	9.9	-	4.0	-	5.9	-	98.2
Structural clay products .....	3250	15.8	16.6	7.0	7.6	8.8	9.0	126.3	133.5
Brick and structural clay tile .....	3251	19.3	18.7	8.6	8.2	10.7	10.4	126.7	140.0
Ceramic wall and floor tile .....	3253	14.4	16.1	5.7	7.3	8.8	8.8	119.9	139.4
Clay refractories .....	3255	9.1	11.2	4.4	5.8	4.7	5.4	95.1	97.9
Structural clay products, n.e.c. ....	3259	19.0	20.2	9.6	9.9	9.3	10.3	229.6	169.9
Pottery and related products .....	3260	12.0	13.7	6.4	7.8	5.6	5.9	115.8	143.0
Vitreous plumbing fixtures .....	3261	19.0	23.7	12.5	16.4	6.5	7.2	242.2	310.5
Vitreous china food utensils .....	3262	12.4	11.6	6.6	6.9	5.8	4.7	146.9	146.9
Fine earthenware food utensils .....	3263	7.0	12.8	3.9	3.9	3.1	8.9	72.7	111.2
Porcelain electrical supplies .....	3264	10.2	10.7	4.6	5.7	5.7	5.0	79.5	87.7
Pottery products, n.e.c. ....	3269	9.0	9.0	3.7	3.7	5.4	5.3	42.7	55.8
Concrete, gypsum, and plaster products .....	3270	14.6	14.8	6.8	7.4	7.8	7.4	123.1	138.4
Concrete block and brick .....	3271	18.0	16.2	8.0	7.6	10.0	8.5	124.4	145.3
Concrete products, n.e.c. ....	3272	18.5	19.5	8.6	9.8	9.8	9.7	155.1	175.1
Ready-mixed concrete .....	3273	13.1	13.5	6.3	6.8	6.8	6.7	117.7	131.1
Cut stone and stone products .....	3280	12.4	12.8	6.1	6.2	6.3	6.6	103.5	99.9
Miscellaneous nonmetallic mineral products .....	3290	10.2	10.5	5.0	5.6	5.2	4.9	95.2	97.6

See footnotes at end of table.

Table 3. Occupational injury incidence rates by industry, 1983 and 1984 <sup>1</sup>—Continued

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	
		1983	1984	1983	1984	1983	1984	1983	1984
Abrasive products .....	3291	11.0	11.2	5.2	6.5	5.7	4.7	100.1	107.2
Asbestos products .....	3292	12.1	11.0	6.7	6.3	5.4	4.7	110.8	126.2
Gaskets, packing and sealing devices .....	3293	10.2	10.4	4.3	4.4	6.0	6.0	64.3	73.5
Minerals, ground or treated .....	3295	-	11.3	-	4.8	-	6.5	-	72.1
Mineral wool .....	3296	7.3	7.4	4.0	4.3	3.3	3.0	75.5	79.9
Nonclay refractories .....	3297	13.2	18.8	7.0	13.1	6.2	5.7	221.2	236.0
Nonmetallic mineral products, n.e.c. ....	3299	10.9	8.7	6.3	4.1	4.6	4.6	98.0	63.1
Primary metal industries .....	3300	12.1	13.0	5.3	6.0	6.7	7.0	101.2	112.7
Blast furnace and basic steel products .....	3310	9.7	10.9	3.7	4.5	6.0	6.4	85.8	100.7
Blast furnaces and steel mills .....	3312	8.3	9.1	3.0	3.5	5.3	5.6	75.1	92.5
Electrometallurgical products .....	3313	9.1	10.7	4.0	4.8	5.0	5.9	118.4	117.8
Steel wire and related products .....	3315	14.9	16.8	6.8	7.8	8.1	8.9	110.5	130.1
Cold finishing of steel shapes .....	3316	18.6	22.9	7.0	9.9	11.6	13.0	158.9	157.9
Steel pipe and tubes .....	3317	17.9	18.8	8.1	8.6	9.8	10.2	137.1	123.9
Iron and steel foundries .....	3320	16.4	16.3	7.1	7.8	9.3	8.5	117.4	130.0
Gray iron foundries .....	3321	17.1	16.3	7.4	7.7	9.6	8.5	122.9	128.3
Malleable iron foundries .....	3322	14.3	14.1	6.1	7.1	8.2	7.0	95.1	115.2
Steel investment foundries .....	3324	12.5	16.3	5.5	7.7	6.9	8.6	68.8	99.9
Steel foundries, n.e.c. ....	3325	16.8	17.3	6.9	8.5	10.0	8.8	128.1	153.0
Primary nonferrous metals .....	3330	8.5	8.7	4.4	4.6	4.2	4.1	82.9	92.1
Primary copper .....	3331	8.5	7.9	4.4	4.4	4.1	3.5	103.3	112.7
Primary lead .....	3332	10.6	9.3	5.2	3.8	5.4	5.5	95.2	76.4
Primary zinc .....	3333	10.5	11.0	5.3	5.9	5.2	5.0	108.0	147.2
Primary aluminum .....	3334	8.2	8.6	4.1	4.6	4.1	4.0	72.6	85.9
Primary nonferrous metals, n.e.c. ....	3339	8.3	8.9	4.6	4.5	3.7	4.3	78.8	80.6
Secondary nonferrous metals .....	3340	16.5	21.6	9.0	11.5	7.5	10.0	155.3	193.9
Nonferrous rolling and drawing .....	3350	11.4	11.3	5.7	5.5	5.7	5.8	103.7	100.3
Copper rolling and drawing .....	3351	13.2	14.2	6.8	7.1	6.4	7.1	120.8	142.8
Aluminum sheet, plate, and foil .....	3353	6.7	5.6	2.6	2.2	4.1	3.4	60.2	57.1
Aluminum extruded products .....	3354	12.2	13.2	5.6	5.6	6.5	7.6	94.9	90.3
Aluminum rolling and drawing, n.e.c. ....	3355	8.2	8.2	4.0	4.0	4.2	4.1	58.3	84.7
Nonferrous rolling and drawing, n.e.c. ....	3356	10.2	10.7	5.0	4.7	5.2	6.0	94.0	93.2
Nonferrous wire drawing and insulating .....	3357	13.0	12.1	7.0	6.4	6.0	5.7	124.7	109.1
Nonferrous foundries .....	3360	16.3	18.6	7.6	8.7	8.7	9.9	128.8	142.9
Aluminum foundries .....	3361	15.8	18.5	7.2	8.4	8.6	10.1	124.8	135.8
Brass, bronze, and copper foundries .....	3362	18.5	20.9	9.0	9.9	9.5	11.0	146.0	153.8
Nonferrous foundries, n.e.c. ....	3369	16.0	17.0	7.6	8.7	8.4	8.3	126.7	155.3
Miscellaneous primary metal products .....	3390	15.5	16.1	7.1	7.9	8.3	8.2	109.9	138.3
Metal heat treating .....	3398	16.2	17.8	8.1	9.0	8.1	8.8	112.9	144.1
Primary metal products, n.e.c. ....	3399	14.7	14.2	6.1	6.8	8.6	7.4	106.7	131.9
Fabricated metal products .....	3400	14.6	15.6	5.9	6.5	8.7	9.1	92.4	100.9
Metal cans and shipping containers .....	3410	15.3	16.5	6.0	6.7	9.3	9.8	109.4	128.9
Metal cans .....	3411	14.7	15.0	5.7	5.9	9.0	9.1	104.8	111.1
Metal barrels, drums, and pails .....	3412	17.8	22.5	7.4	10.0	10.4	12.5	129.1	202.6
Cutlery, hand tools, and hardware .....	3420	12.4	13.0	4.8	5.2	7.6	7.7	84.9	92.1
Cutlery .....	3421	12.4	9.8	4.7	4.1	7.7	5.8	88.1	63.3
Hand and edge tools, nec .....	3423	13.5	14.5	5.0	5.9	8.5	8.6	89.3	106.7
Hand saws and saw blades .....	3425	11.1	11.8	4.7	4.5	6.4	7.4	79.2	77.6
Hardware, n.e.c. ....	3429	12.0	12.9	4.7	5.2	7.3	7.7	82.9	91.5
Plumbing and heating, except electric .....	3430	14.6	14.6	6.5	6.5	8.2	8.1	97.4	94.1
Metal sanitary ware .....	3431	16.2	15.7	7.5	8.3	8.7	7.4	104.8	128.0

See footnotes at end of table.



**Table 3. Occupational injury incidence rates by industry, 1983 and 1984 --Continued**

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	
		1983	1984	1983	1984	1983	1984	1983	1984
Plumbing fittings and brass goods .....	3432	11.1	11.2	5.4	5.2	5.7	6.0	98.7	83.5
Heating equipment, except electric .....	3433	17.2	17.2	7.1	7.0	10.1	10.2	93.7	91.6
Fabricated structural metal products .....	3440	17.6	19.2	7.1	7.9	10.5	11.3	105.7	114.4
Fabricated structural metal .....	3441	21.1	22.0	9.4	10.5	11.7	11.5	136.0	159.8
Metal doors, sash, and trim .....	3442	18.6	19.4	7.1	7.4	11.5	12.1	104.4	99.7
Fabricated plate work .....	3443	14.8	16.9	6.0	7.1	8.8	9.8	93.8	105.8
Sheet metal work .....	3444	17.8	19.7	6.8	7.5	11.0	12.2	99.2	101.8
Architectural metal work .....	3446	18.7	19.2	7.3	7.8	11.4	11.4	112.9	114.7
Prefabricated metal buildings .....	3448	13.5	17.4	5.0	7.3	8.5	10.1	78.0	112.2
Miscellaneous metal work .....	3449	17.1	17.6	7.0	6.8	10.1	10.8	127.4	105.2
Screw machine products, bolts, etc. ....	3450	13.1	13.7	4.4	5.1	8.7	8.6	65.7	76.5
Screw machine products .....	3451	12.9	14.7	3.9	5.0	9.0	9.7	51.0	65.7
Bolts, nuts, rivets, and washers .....	3452	13.3	12.9	4.9	5.1	8.4	7.7	78.2	86.0
Metal forgings and stampings .....	3460	13.8	15.0	5.6	6.3	8.2	8.7	91.0	102.0
Iron and steel forgings .....	3462	17.0	17.0	8.0	8.4	9.0	8.6	138.2	161.3
Nonferrous forgings .....	3463	13.5	12.1	5.9	6.1	7.5	6.0	85.9	136.1
Automotive stampings .....	3465	11.3	12.2	4.6	5.0	6.7	7.2	67.3	68.7
Crowns and closures .....	3466	11.9	11.7	5.6	5.0	6.2	6.8	91.8	102.4
Metal stampings, n.e.c. ....	3469	15.2	17.5	5.7	7.1	9.5	10.5	98.8	113.3
Metal services, n.e.c. ....	3470	13.7	15.0	6.0	6.6	7.7	8.4	89.8	98.3
Plating and polishing .....	3471	14.3	15.4	6.2	6.8	8.1	8.6	93.2	97.2
Metal coating and allied services .....	3479	12.5	14.2	5.5	6.2	7.0	8.0	82.2	100.8
Ordnance and accessories, n.e.c. ....	3480	7.1	7.8	3.4	3.8	3.8	3.9	56.7	65.4
Small arms ammunition .....	3482	4.9	6.3	2.3	1.8	2.6	4.4	46.0	33.3
Ammunition, except for small arms, n.e.c. ....	3483	7.4	8.3	3.6	4.3	3.8	4.0	60.1	71.6
Small arms .....	3484	11.3	11.0	5.3	5.8	6.1	5.2	84.8	106.6
Ordnance and accessories, n.e.c. ....	3489	3.6	3.7	1.6	1.8	2.0	2.0	25.2	26.8
Miscellaneous fabricated metal products .....	3490	13.9	14.7	5.8	6.0	8.1	8.7	88.4	97.6
Steel springs, except wire .....	3493	16.9	17.6	7.8	9.3	9.0	8.4	125.9	147.3
Valves and pipe fittings .....	3494	12.4	13.1	5.2	5.1	7.2	8.0	77.9	86.1
Wire springs .....	3495	12.8	13.9	5.1	5.3	7.8	8.7	89.7	82.3
Miscellaneous fabricated wire products .....	3496	14.5	14.5	6.0	6.5	8.5	8.0	87.0	106.5
Metal foil and leaf .....	3497	13.5	12.8	6.4	5.4	7.1	7.4	82.6	108.7
Fabricated pipe and fittings .....	3498	17.1	18.1	7.4	7.9	9.7	10.2	123.1	118.9
Fabricated metal products, n.e.c. ....	3499	14.6	16.6	5.6	6.2	8.9	10.4	89.0	95.5
Machinery, except electrical .....	3500	9.5	10.3	3.5	4.0	6.0	6.4	55.9	62.5
Engines and turbines .....	3510	7.6	9.1	2.7	3.6	4.8	5.5	50.1	65.4
Turbines and turbine generator sets .....	3511	4.9	5.1	2.2	2.4	2.7	2.7	40.6	43.4
Internal combustion engines, n.e.c. ....	3519	9.1	10.9	3.0	4.1	6.1	6.8	55.5	75.4
Farm and garden machinery .....	3520	11.5	13.0	4.4	5.5	7.0	7.5	70.5	85.7
Farm machinery and equipment .....	3523	10.9	12.7	4.2	5.5	6.6	7.2	69.8	86.8
Lawn and garden equipment .....	3524	13.7	14.2	5.1	5.5	8.6	8.7	73.4	81.4
Construction and related machinery .....	3530	12.4	13.7	4.6	5.5	7.8	8.2	74.7	88.3
Construction machinery .....	3531	11.5	11.9	4.3	4.6	7.2	7.3	68.5	72.3
Mining machinery .....	3532	12.7	14.2	5.2	6.7	7.5	7.5	96.4	124.1
Oil field machinery .....	3533	11.8	13.5	4.3	5.0	7.5	8.5	73.4	84.2
Elevators and moving stairways .....	3534	12.1	12.3	5.1	4.8	7.0	7.5	93.1	82.9
Conveyors and conveying equipment .....	3535	13.9	13.3	4.6	5.4	9.2	7.9	59.8	98.5
Hoists, cranes, and monorails .....	3536	13.9	23.8	5.1	9.6	8.8	14.2	77.7	131.8
Metalworking machinery .....	3540	10.5	11.8	3.3	3.8	7.2	7.9	55.4	63.9
Machine tools, metal cutting types .....	3541	8.8	10.2	2.7	3.7	6.1	6.5	44.3	55.6
Machine tools, metal forming types .....	3542	10.6	13.1	3.9	4.7	6.8	8.3	62.7	88.0
Special dies, tools, jigs and fixtures .....	3544	11.9	13.2	3.7	4.1	8.3	9.1	58.2	69.4

See footnotes at end of table.

Table 3. Occupational injury incidence rates by industry, 1983 and 1984 <sup>1</sup>—Continued

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	
		1983	1984	1983	1984	1983	1984	1983	1984
Machine tool accessories .....	3545	9.7	10.8	3.0	3.4	6.7	7.4	55.5	51.4
Power driven hand tools .....	3546	6.8	7.6	2.3	2.8	4.6	4.7	44.7	58.8
Rolling mill machinery .....	3547	12.9	11.3	4.8	5.3	8.1	6.0	86.3	99.5
Metalworking machinery, n.e.c. ....	3549	10.4	13.4	3.5	3.7	6.9	9.8	69.0	52.9
Special industry machinery .....	3550	12.1	12.5	4.2	4.5	7.8	8.1	67.7	67.1
Food products machinery .....	3551	14.5	14.8	5.2	5.4	9.3	9.4	79.8	74.7
Textile machinery .....	3552	12.5	14.0	3.4	3.7	9.0	10.3	51.9	59.5
Woodworking machinery .....	3553	13.1	15.4	5.3	5.5	7.8	9.9	85.2	89.0
Paper industries machinery .....	3554	13.4	13.8	4.7	5.7	8.7	8.0	73.7	100.2
Printing trades machinery .....	3555	9.4	9.2	3.1	3.2	6.2	6.1	52.0	45.9
Special industry machinery, n.e.c. ....	3559	11.4	11.3	4.3	4.3	7.1	7.0	71.2	62.5
General industrial machinery .....	3560	11.2	11.5	4.2	4.4	7.0	7.1	70.2	70.4
Pumps and pumping equipment .....	3561	12.3	11.0	4.4	4.6	7.9	6.4	75.3	66.3
Ball and roller bearings .....	3562	7.8	8.0	2.8	2.9	5.0	5.1	44.5	51.8
Air and gas compressors .....	3563	9.9	12.2	3.9	4.0	5.9	8.2	73.3	71.6
Blowers and fans .....	3564	12.7	13.9	5.4	5.7	7.3	8.2	88.0	81.0
Industrial patterns .....	3565	11.2	14.9	3.7	5.0	7.5	9.9	49.6	61.4
Speed changers, drives, and gears .....	3566	13.3	13.3	4.5	4.7	8.8	8.6	69.9	83.5
Industrial furnaces and ovens .....	3567	12.2	13.6	4.6	5.7	7.5	7.8	82.7	93.7
Power transmission equipment, n.e.c. ....	3568	12.2	12.4	5.0	5.6	7.2	6.8	88.0	95.2
General industrial machinery, n.e.c. ....	3569	11.5	11.6	4.0	4.2	7.5	7.4	68.0	66.0
Office and computing machines .....	3570	3.9	3.8	1.8	1.8	2.1	1.9	27.4	27.3
Typewriters .....	3572	3.0	3.4	1.2	1.5	1.8	1.9	12.6	21.3
Electronic computing equipment .....	3573	3.5	3.3	1.6	1.7	1.8	1.6	25.0	26.0
Scales and balances, except laboratory .....	3576	10.4	10.5	3.3	3.4	7.0	7.0	37.6	36.6
Office machines, n.e.c. ....	3579	7.8	8.7	3.4	3.7	4.3	5.1	51.8	44.4
Refrigeration and service machinery .....	3580	13.1	13.8	5.0	5.4	8.1	8.4	76.0	84.4
Automatic merchandising machines .....	3581	19.4	24.5	6.7	7.7	12.7	16.9	105.5	103.5
Commercial laundry equipment .....	3582	17.5	16.4	5.6	5.7	11.9	10.6	99.9	97.2
Refrigeration and heating equipment .....	3585	11.6	12.1	4.8	4.9	6.9	7.2	76.8	84.7
Measuring and dispensing pumps .....	3586	12.7	16.3	4.0	4.6	8.7	11.7	41.5	56.9
Service industry machinery, n.e.c. ....	3589	16.2	16.3	5.3	6.4	10.9	9.9	66.9	80.7
Miscellaneous machinery, except electrical .....	3590	11.5	12.8	4.1	4.6	7.4	8.2	55.9	69.6
Carburetors, pistons, rings, valves .....	3592	7.5	8.3	3.0	3.7	4.4	4.6	48.8	65.0
Machinery, except electrical, n.e.c. ....	3599	12.1	13.5	4.2	4.7	7.9	8.8	57.1	70.3
Electric and electronic equipment .....	3600	6.0	6.4	2.4	2.6	3.6	3.8	36.9	40.0
Electric distributing equipment .....	3610	8.2	8.8	3.1	3.5	5.1	5.3	51.8	54.6
Transformers .....	3612	8.9	8.7	3.3	3.4	5.6	5.3	50.2	50.4
Switchgear and switchboard apparatus .....	3613	7.5	8.8	2.9	3.5	4.7	5.3	53.1	58.3
Electrical industrial apparatus .....	3620	7.4	8.0	2.6	3.2	4.7	4.8	44.5	53.2
Motors and generators .....	3621	8.2	8.4	2.9	3.2	5.3	5.2	47.6	52.4
Industrial controls .....	3622	5.3	6.4	1.8	2.5	3.5	3.9	32.8	43.4
Welding apparatus, electric .....	3623	11.5	13.2	3.9	5.3	7.6	7.9	66.8	91.8
Carbon and graphite products .....	3624	6.8	5.9	3.0	3.3	3.8	2.6	59.6	72.5
Electrical industrial apparatus, n.e.c. ....	3629	6.5	8.0	2.8	3.5	3.8	4.5	38.3	43.1
Household appliances .....	3630	10.7	11.2	3.9	4.1	6.8	7.0	60.5	64.9
Household cooking equipment .....	3631	14.3	16.4	4.7	6.1	9.6	10.3	70.3	95.9
Household refrigerators and freezers .....	3632	8.7	7.3	3.4	2.8	5.3	4.4	50.6	35.6
Household laundry equipment .....	3633	11.0	11.3	3.7	3.7	7.4	7.7	55.4	60.7
Electric housewares and fans .....	3634	9.3	9.6	3.4	3.6	5.9	6.0	51.4	49.2
Household vacuum cleaners .....	3635	7.2	8.2	2.6	3.0	4.6	5.2	73.2	88.5
Sewing machines .....	3636	7.3	9.7	2.5	3.2	4.8	6.4	38.6	39.9

See footnotes at end of table.

**Table 3. Occupational injury incidence rates by industry, 1983 and 1984 <sup>1</sup>—Continued**

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	
		1983	1984	1983	1984	1983	1984	1983	1984
Household appliances, n.e.c .....	3639	15.1	16.5	6.8	6.5	8.3	10.0	93.1	106.4
Electric lighting and wiring equipment .....	3640	8.3	9.6	3.3	3.9	5.0	5.8	53.2	64.7
Electric lamps .....	3641	3.9	6.0	1.5	2.1	2.3	3.9	31.2	36.9
Current-carrying wiring devices .....	3643	7.2	8.1	2.9	3.3	4.3	4.8	46.1	58.7
Noncurrent-carrying wiring devices .....	3644	12.1	16.2	5.5	7.3	6.6	8.9	96.1	107.8
Residential lighting fixtures .....	3645	11.5	11.5	4.2	4.8	7.3	6.7	67.7	78.4
Commercial lighting fixtures .....	3646	12.4	16.1	4.5	5.6	8.0	10.5	70.3	90.3
Vehicular lighting equipment .....	3647	4.9	5.5	2.1	2.0	2.7	3.5	35.4	35.8
Lighting equipment, n.e.c .....	3648	12.7	12.0	4.1	5.0	8.6	7.0	58.1	83.3
Radio and TV receiving equipment .....	3650	5.8	5.8	2.4	2.4	3.4	3.4	37.8	37.0
Radio and TV receiving sets .....	3651	5.7	5.5	2.3	2.3	3.4	3.2	36.8	34.9
Phonograph records .....	3652	6.2	6.8	3.1	2.7	3.2	4.1	41.1	45.3
Communication equipment .....	3660	3.8	3.7	1.6	1.5	2.2	2.2	26.6	23.7
Telephone and telegraph apparatus .....	3661	4.4	4.3	1.9	1.8	2.5	2.5	37.9	28.7
Radio and TV communication equipment .....	3662	3.6	3.6	1.5	1.4	2.1	2.2	23.3	22.3
Electronic components and accessories .....	3670	5.3	5.9	2.2	2.5	3.2	3.4	28.3	34.9
Cathode ray television picture tubes .....	3672	9.1	8.1	5.7	5.3	3.4	2.8	80.8	81.3
Electron tubes, transmitting .....	3673	5.2	5.2	2.1	2.1	3.0	3.1	32.6	32.7
Semiconductors and related devices .....	3674	4.0	3.7	1.7	1.7	2.3	1.9	22.1	23.8
Electronic capacitors .....	3675	5.3	5.6	2.0	2.4	3.2	3.2	28.0	43.1
Electronic resistors .....	3676	5.6	6.4	2.3	2.8	3.3	3.6	27.2	47.1
Electronic coils and transformers .....	3677	7.5	7.5	2.7	2.9	4.8	4.6	35.1	34.4
Electronic components, n.e.c .....	3679	6.3	8.1	2.4	3.2	3.9	4.9	30.3	43.2
Miscellaneous electrical equipment and supplies .....	3690	6.2	6.4	2.8	2.9	3.4	3.5	44.5	45.2
Storage batteries .....	3691	10.1	8.7	5.3	4.7	4.8	4.0	78.6	79.7
Primary batteries, dry and wet .....	3692	-	4.6	-	1.5	-	3.1	-	28.0
X-ray apparatus and tubes .....	3693	4.0	3.7	1.6	1.5	2.3	2.2	20.4	25.6
Engine electrical equipment .....	3694	5.2	6.2	2.2	2.9	3.0	3.3	39.2	42.1
Electrical equipment and supplies, n.e.c .....	3699	9.8	11.1	4.5	4.3	5.4	6.8	70.0	59.0
Transportation equipment .....	3700	8.0	8.9	3.5	4.0	4.6	4.9	62.0	65.6
Motor vehicles and equipment .....	3710	8.3	9.7	3.5	4.3	4.9	5.5	55.4	65.7
Motor vehicles and car bodies .....	3711	5.8	6.4	2.5	2.7	3.3	3.7	38.0	37.3
Truck and bus bodies .....	3713	18.7	19.5	6.4	8.3	12.4	11.3	88.1	125.6
Motor vehicle parts and accessories .....	3714	8.8	10.7	3.7	4.7	5.0	6.0	65.0	77.8
Truck trailers .....	3715	18.1	22.0	7.9	10.7	10.2	11.3	99.3	185.0
Self-contained motor homes .....	3716	24.8	24.4	10.3	9.5	14.5	14.9	127.2	103.3
Aircraft and parts .....	3720	5.0	5.5	1.9	2.1	3.0	3.4	33.0	33.6
Aircraft .....	3721	3.8	4.3	1.4	1.6	2.4	2.7	24.6	27.2
Aircraft engines and engine parts .....	3724	4.6	5.1	2.5	2.6	2.1	2.4	45.6	43.1
Aircraft equipment, n.e.c .....	3728	8.0	8.5	2.6	2.8	5.4	5.7	39.0	38.1
Ship and boat building and repairing .....	3730	19.2	19.5	9.2	10.4	10.1	9.1	204.4	196.3
Ship building and repairing .....	3731	19.1	19.1	9.3	10.5	9.8	8.6	229.1	215.3
Boat building and repairing .....	3732	19.7	20.8	8.8	10.0	10.9	10.7	115.6	133.6
Railroad equipment .....	3740	10.7	11.3	5.3	5.2	5.4	6.1	101.1	94.7
Motorcycles, bicycles, and parts .....	3750	12.2	16.0	4.8	6.0	7.3	10.0	110.6	80.6
Guided missiles, space vehicles, parts .....	3760	2.3	2.6	1.1	1.1	1.2	1.4	19.4	20.7
Guided missiles and space vehicles .....	3761	2.1	2.4	1.1	1.1	1.0	1.3	19.4	19.9
Space propulsion units and parts .....	3764	2.8	3.1	1.3	1.4	1.5	1.6	19.5	23.3
Space vehicle equipment, n.e.c .....	3769	3.1	2.9	1.0	.9	2.0	2.1	19.7	21.9

See footnotes at end of table.

Table 3. Occupational injury incidence rates by industry, 1983 and 1984 <sup>1</sup>—Continued

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	
		1983	1984	1983	1984	1983	1984	1983	1984
Miscellaneous transportation equipment .....	3790	13.6	14.9	5.9	6.5	7.7	8.4	76.3	88.6
Travel trailers and campers .....	3792	21.5	21.6	8.6	8.2	12.9	13.4	106.9	109.1
Transportation equipment, n.e.c .....	3799	14.3	17.7	6.2	7.9	8.1	9.7	73.8	109.8
Instruments and related products .....	3800	4.9	5.1	2.0	2.0	2.9	3.0	32.7	33.4
Engineering and scientific instruments .....	3810	4.4	4.9	1.5	1.9	2.9	3.0	23.2	28.8
Measuring and controlling devices .....	3820	4.9	5.1	2.0	2.1	2.9	3.0	31.1	34.1
Environmental controls .....	3822	5.0	5.7	2.0	2.5	3.1	3.2	26.5	43.9
Process control instruments .....	3823	4.5	5.7	1.9	2.2	2.6	3.6	32.6	34.2
Fluid meters and counting devices .....	3824	6.3	6.1	2.8	2.7	3.5	3.4	54.1	50.7
Instruments to measure electricity .....	3825	4.2	4.3	1.8	1.7	2.4	2.6	29.6	27.1
Measuring and controlling devices, n.e.c .....	3829	7.5	5.6	2.6	2.3	4.9	3.3	28.1	35.5
Optical instruments and lenses .....	3830	4.8	5.0	2.1	1.9	2.7	3.1	26.1	25.3
Medical instruments and supplies .....	3840	5.4	5.5	2.2	2.2	3.2	3.3	38.4	37.3
Surgical and medical instruments .....	3841	4.5	4.1	1.9	1.6	2.6	2.4	32.2	25.3
Surgical appliances and supplies .....	3842	6.1	6.9	2.5	2.7	3.6	4.2	47.5	50.8
Dental equipment and supplies .....	3843	6.6	7.1	2.1	2.8	4.6	4.3	29.8	40.4
Ophthalmic goods .....	3850	4.4	4.7	2.0	2.0	2.4	2.7	33.0	39.0
Photographic equipment and supplies .....	3860	4.8	4.4	2.1	1.8	2.8	2.6	34.3	31.3
Watches, clocks, and watchcases .....	3870	-	6.7	-	2.2	-	4.5	-	25.6
Miscellaneous manufacturing industries .....	3900	9.5	10.0	3.8	4.1	5.7	5.9	63.6	66.7
Jewelry, silverware, and plated ware .....	3910	5.4	5.5	2.4	2.1	3.0	3.4	42.6	41.5
Jewelry, precious metal .....	3911	-	4.0	-	1.2	-	2.8	-	21.4
Silverware and plated ware .....	3914	10.3	10.7	5.8	5.4	4.5	5.3	110.5	107.6
Jewelers' materials and lapidary work .....	3915	6.2	5.9	2.9	2.2	3.3	3.7	59.0	49.5
Musical instruments .....	3930	7.9	9.7	2.8	3.5	5.1	6.2	51.8	65.7
Toys and sporting goods .....	3940	10.6	11.0	4.3	4.4	6.3	6.6	71.6	65.9
Games, toys, and children's vehicles .....	3944	8.2	8.8	3.6	4.1	4.6	4.7	73.7	66.7
Sporting and athletic goods, n.e.c .....	3949	13.5	13.3	5.1	4.6	8.4	8.7	73.8	67.0
Pens, pencils, office and art supplies .....	3950	8.4	10.0	3.5	4.1	4.9	5.9	50.7	72.4
Pens and mechanical pencils .....	3951	7.8	8.9	2.8	2.6	5.0	6.3	46.4	53.4
Lead pencils and art goods .....	3952	9.8	12.0	4.4	5.5	5.4	6.5	64.3	121.8
Marking devices .....	3953	5.8	7.8	1.5	2.7	4.3	5.1	29.8	42.6
Carbon paper and inked ribbons .....	3955	11.6	12.5	6.5	6.6	5.1	5.9	71.9	88.8
Costume jewelry and notions .....	3960	7.6	7.4	3.3	3.4	4.3	4.0	65.0	55.0
Costume jewelry .....	3961	6.0	4.9	2.4	2.1	3.6	2.8	57.8	39.5
Artificial flowers .....	3962	-	13.8	-	6.9	-	6.9	-	91.9
Buttons .....	3963	-	8.7	-	2.9	-	5.8	-	48.5
Miscellaneous manufactures .....	3990	11.4	11.9	4.4	5.0	6.9	7.0	70.0	80.5
Brooms and brushes .....	3991	11.6	12.7	4.8	5.4	6.8	7.3	79.6	69.1
Signs and advertising displays .....	3993	12.6	14.2	4.7	6.0	7.9	8.3	68.1	94.6
Burial caskets .....	3995	12.4	11.3	4.5	4.3	7.9	7.0	94.3	74.8
Hard surface floor coverings .....	3996	8.1	8.0	4.3	4.5	3.8	3.5	97.3	127.1
Manufacturing industries, n.e.c .....	3999	10.5	9.9	4.1	3.9	6.3	6.0	57.8	60.1
Nondurable goods .....		9.2	9.4	4.2	4.3	5.1	5.1	70.5	71.1
Food and kindred products .....	2000	15.7	15.8	7.5	7.6	8.2	8.1	124.0	122.7
Meat products .....	2010	22.1	22.4	10.3	10.4	11.8	11.9	154.9	151.2
Meat packing plants .....	2011	27.4	29.0	13.6	13.9	13.8	15.0	202.5	190.2

See footnotes at end of table.

**Table 3. Occupational injury incidence rates by industry, 1983 and 1984 <sup>1</sup>—Continued**

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	
		1983	1984	1983	1984	1983	1984	1983	1984
Sausages and other prepared meats .....	2013	20.2	19.5	10.0	10.1	10.2	9.3	152.6	160.3
Poultry dressing plants .....	2016	16.6	16.3	6.5	6.4	10.2	9.8	99.9	96.0
Poultry and egg processing .....	2017	18.0	18.7	7.0	8.5	11.0	10.2	103.5	148.6
Dairy products .....	2020	14.0	14.2	6.7	6.8	7.3	7.3	110.2	120.0
Creamery butter .....	2021	16.2	13.0	7.6	6.1	8.6	7.0	138.6	98.3
Cheese, natural and processed .....	2022	14.2	14.2	6.7	6.2	7.4	8.0	95.9	89.5
Condensed and evaporated milk .....	2023	10.0	10.6	4.9	5.1	5.1	5.5	80.2	83.4
Ice cream and frozen desserts .....	2024	15.0	17.0	7.3	7.9	7.8	9.1	124.9	131.5
Fluid milk .....	2026	14.4	14.2	6.9	7.2	7.5	7.0	117.2	137.1
Preserved fruits and vegetables .....	2030	13.9	13.9	6.7	6.9	7.2	7.0	112.4	111.6
Canned specialties .....	2032	10.8	9.7	5.4	4.9	5.4	4.8	87.4	77.4
Canned fruits and vegetables .....	2033	14.4	15.5	6.5	7.6	7.9	8.0	99.2	106.9
Dehydrated fruits, vegetables, soups .....	2034	15.4	14.5	7.7	7.9	7.8	6.6	137.2	145.8
Pickles, sauces, and salad dressing .....	2035	15.7	14.3	6.9	6.3	8.8	8.0	105.2	110.3
Frozen fruits and vegetables .....	2037	13.8	14.3	7.2	7.1	6.6	7.1	139.6	128.0
Frozen specialties .....	2038	12.9	12.1	6.8	6.6	6.1	5.5	118.4	111.3
Grain mill products .....	2040	11.5	11.7	5.6	5.9	5.9	5.8	106.6	108.8
Flour and other grain mill products .....	2041	12.9	11.8	5.8	5.1	7.1	6.7	102.1	95.0
Cereal breakfast foods .....	2043	8.6	8.8	5.3	5.4	3.3	3.4	102.4	110.8
Rice milling .....	2044	14.6	18.3	7.9	9.0	6.8	9.2	162.9	173.3
Blended and prepared flour .....	2045	12.6	12.8	6.5	6.5	6.2	6.2	116.0	123.0
Wet corn milling .....	2046	9.2	8.9	4.5	4.4	4.6	4.5	103.6	95.2
Dog, cat, and other pet food .....	2047	13.2	12.0	6.5	6.3	6.7	5.7	121.9	123.6
Prepared feeds, n.e.c .....	2048	11.2	12.4	5.1	6.3	6.0	6.0	98.0	103.9
Bakery products .....	2050	12.4	11.9	6.3	6.0	6.1	5.9	125.2	119.9
Bread, cake, and related products .....	2051	12.7	12.0	6.6	6.1	6.1	5.9	132.1	124.7
Cookies and crackers .....	2052	11.5	11.6	5.2	5.6	6.3	6.0	98.5	101.9
Sugar and confectionery products .....	2060	13.3	12.5	6.5	6.0	6.7	6.5	98.7	91.3
Raw cane sugar .....	2061	26.8	20.5	15.3	10.1	11.5	10.4	181.7	140.6
Cane sugar refining .....	2062	10.7	7.3	6.2	3.2	4.4	4.1	115.0	70.9
Beet sugar .....	2063	16.0	16.7	9.4	9.3	6.6	7.4	137.9	109.4
Confectionery products .....	2065	12.0	12.2	5.2	5.6	6.8	6.6	87.4	88.0
Chocolate and cocoa products .....	2066	10.0	10.0	4.8	5.1	5.2	4.9	59.7	87.5
Chewing gum .....	2067	10.5	8.8	4.6	3.9	5.9	4.9	67.2	61.3
Fats and oils .....	2070	15.3	15.3	6.8	7.4	8.5	7.9	117.7	126.4
Cottonseed oil mills .....	2074	16.8	16.3	6.5	7.9	10.3	8.4	109.5	143.4
Soybean oil mills .....	2075	11.8	10.3	4.2	4.3	7.6	6.0	91.0	77.3
Vegetable oil mills, n.e.c .....	2076	10.5	12.7	4.9	5.8	5.7	6.9	91.6	100.4
Animal and marine fats and oils .....	2077	21.2	22.4	11.2	12.0	10.0	10.4	181.0	197.3
Shortening and cooking oils .....	2079	13.5	13.4	6.0	6.1	7.6	7.3	97.4	103.9
Beverages .....	2080	17.7	17.7	8.7	8.6	9.0	9.0	137.0	128.0
Malt beverages .....	2082	12.2	11.3	4.5	4.3	7.7	7.0	93.0	84.5
Malt .....	2083	19.3	20.5	9.5	11.2	9.8	9.3	176.8	190.6
Wines, brandy, and brandy spirits .....	2084	21.1	18.4	10.1	8.4	11.0	10.0	157.1	125.1
Distilled liquor, except brandy .....	2085	12.0	14.1	6.4	7.5	5.6	6.7	115.8	113.7
Bottled and canned soft drinks .....	2086	20.7	20.8	10.7	10.6	9.9	10.3	159.7	149.9
Flavoring extracts and sirups, n.e.c .....	2087	10.5	8.0	5.0	3.7	5.5	4.4	62.4	54.8
Miscellaneous foods and kindred products .....	2090	13.4	13.6	6.2	6.6	7.2	7.0	100.4	105.6
Fresh or frozen packaged fish .....	2092	16.2	15.9	7.2	7.7	9.0	8.2	91.3	99.1
Roasted coffee .....	2095	10.1	9.7	4.8	4.6	5.2	5.1	107.8	75.4
Macaroni and spaghetti .....	2098	17.7	16.8	7.8	8.0	9.9	8.8	186.3	193.2
Food preparations, n.e.c .....	2099	12.0	12.6	5.5	6.2	6.5	6.5	89.8	101.7
Tobacco manufactures .....	2100	6.5	7.6	2.9	3.2	3.6	4.4	42.6	51.4
Cigarettes .....	2110	5.0	5.6	2.3	2.5	2.7	3.1	37.7	49.9
Cigars .....	2120	7.0	6.2	3.3	3.0	3.7	3.3	35.5	40.1
Chewing and smoking tobacco .....	2130	9.3	7.7	3.5	2.8	5.8	4.9	60.7	29.1

See footnotes at end of table.

Table 3. Occupational injury incidence rates by industry, 1983 and 1984 <sup>1</sup>—Continued

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	
		1983	1984	1983	1984	1983	1984	1983	1984
Tobacco stemming and redrying .....	2140	14.4	17.6	6.6	6.7	7.8	10.9	71.7	73.2
Textile mill products .....	2200	7.3	7.8	2.7	3.0	4.5	4.8	50.2	52.3
Weaving mills, cotton .....	2210	5.3	5.1	1.6	1.8	3.7	3.3	33.5	36.5
Weaving mills, synthetics .....	2220	5.4	6.1	1.9	2.1	3.5	4.0	42.3	37.9
Weaving and finishing mills, wool .....	2230	8.9	11.2	4.6	5.6	4.3	5.5	84.9	120.8
Narrow fabric mills .....	2240	8.9	10.6	3.6	4.1	5.3	6.5	53.7	69.4
Knitting mills .....	2250	6.2	6.7	2.5	2.7	3.6	4.0	37.1	38.6
Women's hosiery, except socks .....	2251	4.4	4.0	2.0	1.8	2.4	2.3	26.6	31.4
Hosiery, n.e.c. ....	2252	6.3	6.6	2.4	2.5	3.8	4.1	37.7	30.8
Knit outerwear mills .....	2253	5.9	6.4	2.1	2.6	3.7	3.8	27.6	27.3
Knit underwear mills .....	2254	5.1	7.4	2.3	2.6	2.8	4.7	33.9	39.2
Circular knit fabric mills .....	2257	8.8	7.9	3.5	3.4	5.3	4.6	51.5	57.2
Warp knit fabric mills .....	2258	8.0	9.8	3.7	4.3	4.3	5.5	67.4	82.1
Knitting mills, n.e.c. ....	2259	8.7	9.6	5.0	4.9	3.7	4.7	75.4	61.3
Textile finishing, except wool .....	2260	10.4	10.1	4.3	4.5	6.0	5.6	84.3	87.3
Finishing plants, cotton .....	2261	9.1	9.3	3.9	4.1	5.3	5.2	78.4	82.4
Finishing plants, synthetics .....	2262	9.8	9.3	4.0	4.4	5.8	4.9	73.4	77.0
Finishing plants, n.e.c. ....	2269	13.4	12.3	5.5	5.4	7.9	6.9	111.9	107.7
Floor covering mills .....	2270	8.7	10.2	3.3	3.7	5.4	6.6	67.4	74.4
Woven carpets and rugs .....	2271	12.3	9.7	4.9	4.5	7.4	5.2	77.9	55.1
Tufted carpets and rugs .....	2272	8.3	10.1	3.1	3.5	5.2	6.6	64.5	78.0
Yarn and thread mills .....	2280	7.9	7.8	2.4	2.3	5.4	5.5	45.2	43.8
Yarn mills, except wool .....	2281	7.9	7.8	2.2	2.0	5.6	5.8	41.8	35.4
Throwing and winding mills .....	2282	8.1	7.5	2.9	2.8	5.3	4.6	51.1	68.7
Wool yarn mills .....	2283	9.9	8.9	3.9	3.8	6.0	5.1	63.5	60.0
Thread mills .....	2284	5.8	7.0	2.1	2.6	3.7	4.5	47.3	52.2
Miscellaneous textile goods .....	2290	11.3	12.9	4.6	5.1	6.6	7.8	87.6	81.5
Felt goods, except woven felts and hats .....	2291	13.0	14.2	5.9	6.1	7.1	8.1	108.0	115.7
Lace goods .....	2292	-	13.4	-	4.8	-	8.6	-	70.1
Paddings and upholstery filling .....	2293	14.3	17.4	5.3	6.3	9.0	11.1	84.1	96.8
Processed textile waste .....	2294	11.7	12.7	4.7	5.4	7.1	7.2	87.4	105.3
Coated fabrics, not rubberized .....	2295	11.9	13.8	4.9	5.3	7.0	8.5	107.5	88.4
Tire cord and fabric .....	2296	6.3	7.8	1.9	3.0	4.4	4.7	59.9	48.0
Nonwoven fabrics .....	2297	10.8	10.8	4.8	4.1	5.9	6.8	67.0	54.9
Cordage and twine .....	2298	14.7	15.9	5.8	6.8	8.9	9.2	76.0	85.7
Textile goods, n.e.c. ....	2299	6.9	10.8	3.4	4.1	3.5	6.7	103.5	65.7
Apparel and other textile products .....	2300	6.3	6.5	2.3	2.4	3.9	4.1	39.2	38.9
Men's and boys' suits and coats .....	2310	6.9	6.4	2.8	2.7	4.1	3.7	50.0	55.6
Men's and boys' furnishings .....	2320	7.4	7.9	3.0	3.0	4.4	4.8	48.6	49.1
Men's and boys' shirts and nightwear .....	2321	5.9	6.3	2.4	2.2	3.5	4.2	36.0	30.2
Men's and boys' underwear .....	2322	5.8	5.4	1.9	2.2	3.9	3.2	36.4	55.3
Men's and boys' neckwear .....	2323	3.0	4.0	.6	1.5	2.4	2.6	12.5	29.5
Men's and boys' separate trousers .....	2327	7.2	8.9	3.0	3.3	4.2	5.6	49.8	53.0
Men's and boys' work clothing .....	2328	10.4	9.5	4.4	4.1	6.0	5.4	74.1	69.9
Men's and boys' clothing, n.e.c. ....	2329	6.0	7.7	2.0	2.8	4.0	4.9	29.6	42.2
Women's and misses' outerwear .....	2330	4.6	4.7	1.6	1.6	3.0	3.1	30.8	26.1
Women's and misses' blouse and waists .....	2331	4.0	4.6	1.3	1.3	2.8	3.3	23.1	21.2
Women's and misses' dresses .....	2335	3.3	3.1	1.1	1.0	2.2	2.1	22.1	15.4
Women's and misses' suits and coats .....	2337	4.1	4.8	1.5	1.7	2.6	3.1	26.2	33.1
Women's and misses' outerwear, n.e.c. ....	2339	6.1	6.0	2.2	2.2	3.8	3.8	42.9	33.6
Women's and children's undergarments .....	2340	6.5	5.6	1.8	2.1	4.6	3.5	27.3	32.3
Women's and children's underwear .....	2341	6.3	5.4	1.8	2.0	4.5	3.4	26.9	30.1
Brassieres and allied garments .....	2342	7.4	6.2	2.1	2.2	5.3	3.9	29.1	41.6

See footnotes at end of table.

**Table 3. Occupational injury incidence rates by industry, 1983 and 1984 <sup>1</sup>—Continued**

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	
		1983	1984	1983	1984	1983	1984	1983	1984
Hats, caps, and millinery .....	2350	5.7	7.3	2.2	2.8	3.4	4.5	34.0	45.1
Millinery .....	2351	-	4.9	-	.6	-	4.3	-	13.1
Hats and caps, except millinery .....	2352	6.0	7.7	2.5	3.1	3.5	4.6	39.2	49.4
Children's outerwear .....	2360	5.1	5.7	1.8	2.0	3.3	3.8	32.3	33.0
Children's dresses and blouses .....	2361	4.9	5.2	1.6	1.9	3.3	3.4	27.8	33.5
Children's outerwear, nec. ....	2369	-	6.2	-	2.0	-	4.2	-	31.0
Miscellaneous apparel and accessories .....	2380	5.3	5.5	2.1	2.1	3.2	3.4	26.2	32.2
Fabric dress and work gloves .....	2381	3.7	4.0	1.5	1.8	2.2	2.2	23.8	28.0
Waterproof outerwear .....	2385	5.5	7.4	2.0	3.1	3.4	4.2	29.2	53.7
Apparel belts .....	2387	5.9	4.7	2.2	1.7	3.7	3.0	23.0	27.9
Apparel and accessories, nec. ....	2389	-	6.2	-	1.5	-	4.7	-	34.5
Miscellaneous fabricated textile products .....	2390	8.2	8.7	3.1	3.3	5.1	5.5	47.8	45.9
Curtains and draperies .....	2391	8.1	7.6	3.1	3.3	5.0	4.4	53.0	52.9
House furnishings, n.e.c. ....	2392	9.0	10.7	3.4	3.8	5.6	7.0	55.2	53.5
Textile bags .....	2393	10.4	11.1	3.9	4.6	6.5	6.5	51.9	75.1
Canvas and related products .....	2394	9.7	9.0	4.0	3.8	5.6	5.2	53.0	63.3
Pleating and stitching .....	2395	5.3	5.0	2.0	2.0	3.3	3.0	37.3	24.7
Automotive and apparel trimmings .....	2396	5.2	7.8	2.0	2.5	3.2	5.3	41.7	31.8
Fabricated textile products, n.e.c. ....	2399	11.4	8.5	3.8	3.4	7.6	5.1	40.0	35.8
Paper and allied products .....	2600	9.8	10.2	4.4	4.6	5.4	5.5	88.6	91.9
Pulp mills .....	2610	6.8	6.4	3.4	3.1	3.5	3.3	82.5	84.0
Paper mills, except building paper .....	2620	7.5	7.5	3.2	3.2	4.2	4.2	84.6	84.8
Paperboard mills .....	2630	8.8	8.8	3.7	4.1	5.1	4.7	88.1	98.9
Miscellaneous converted paper products .....	2640	10.2	11.0	4.9	5.1	5.4	5.8	82.4	86.6
Paper coating and glazing .....	2641	7.9	8.9	3.6	4.3	4.3	4.6	56.9	73.1
Envelopes .....	2642	12.7	14.8	5.7	7.1	7.1	7.7	94.8	113.0
Bags, except textile bags .....	2643	11.6	12.2	5.3	5.2	6.3	6.9	84.8	92.1
Die-cut paper and board .....	2645	11.6	10.7	5.8	5.2	5.8	5.5	93.9	78.6
Pressed and molded pulp goods .....	2646	9.2	10.3	5.0	5.9	4.2	4.4	112.1	156.4
Sanitary paper products .....	2647	7.8	6.9	4.2	3.3	3.6	3.6	77.1	72.5
Stationery products .....	2648	10.2	13.4	5.9	7.4	4.3	6.0	78.4	97.3
Converted paper products, n.e.c. ....	2649	12.2	12.7	5.9	5.9	6.3	6.9	112.4	88.8
Paperboard containers and boxes .....	2650	12.0	12.6	5.3	5.7	6.7	6.9	101.6	103.5
Folding paperboard boxes .....	2651	12.4	12.7	5.4	5.5	7.0	7.2	101.4	103.3
Set-up paperboard boxes .....	2652	11.3	12.8	4.5	5.9	6.9	7.0	76.1	102.7
Corrugated and solid fiber boxes .....	2653	12.9	13.1	5.6	5.8	7.3	7.3	111.0	103.7
Sanitary food containers .....	2654	7.9	10.4	4.2	5.2	3.7	5.2	77.8	98.1
Fiber cans, drums, and similar products .....	2655	11.6	11.9	5.1	5.7	6.5	6.2	93.8	110.8
Building paper and board mills .....	2660	-	9.7	-	4.3	-	5.4	-	86.2
Printing and publishing .....	2700	6.4	6.4	2.8	2.9	3.6	3.5	43.6	44.6
Newspapers .....	2710	6.1	6.4	2.8	3.0	3.3	3.4	47.2	50.6
Periodicals .....	2720	3.5	3.1	1.8	1.7	1.7	1.4	28.7	24.0
Books .....	2730	5.5	5.4	2.4	2.3	3.1	3.1	38.9	33.0
Book publishing .....	2731	3.9	3.8	1.7	1.6	2.2	2.1	29.0	20.8
Miscellaneous publishing .....	2740	3.3	3.2	1.4	1.4	1.8	1.8	21.3	20.1
Commercial printing .....	2750	7.6	7.4	3.2	3.3	4.4	4.1	46.2	48.0
Commercial printing, letterpress .....	2751	6.8	6.8	3.0	2.9	3.8	3.9	47.2	44.7
Commercial printing, lithographic .....	2752	8.0	7.6	3.3	3.4	4.7	4.2	44.8	48.5
Engraving and plate printing .....	2753	6.1	7.1	2.1	2.9	4.0	4.1	32.5	56.2
Commercial printing, gravure .....	2754	10.1	9.1	4.7	4.4	5.4	4.7	73.4	65.7
Manifold business forms .....	2760	9.4	10.1	4.2	4.3	5.2	5.7	62.0	68.2

See footnotes at end of table.

**Table 3. Occupational injury incidence rates by industry, 1983 and 1984<sup>1</sup>—Continued**

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	
		1983	1984	1983	1984	1983	1984	1983	1984
Greeting card publishing .....	2770	5.8	5.4	2.6	2.8	3.2	2.7	42.8	41.8
Blankbooks and bookbinding .....	2780	9.2	9.3	4.0	4.3	5.2	5.0	58.7	64.0
Blankbooks and looseleaf binders .....	2782	9.6	9.3	4.1	4.1	5.5	5.2	59.4	57.6
Bookbinding and related work .....	2789	8.4	9.3	3.8	4.7	4.6	4.6	57.5	73.6
Printing trade services .....	2790	2.1	2.1	.6	.7	1.4	1.4	9.9	9.5
Typesetting .....	2791	1.4	1.3	.4	.6	1.0	.8	8.3	8.2
Chemicals and allied products .....	2800	5.2	5.0	2.4	2.3	2.8	2.7	41.2	39.4
Industrial inorganic chemicals .....	2810	3.7	3.1	1.7	1.4	2.1	1.7	32.5	26.5
Alkalies and chlorine .....	2812	3.6	2.4	1.6	1.1	2.0	1.3	37.9	20.5
Industrial gases .....	2813	3.1	3.3	1.3	1.4	1.8	1.9	29.3	24.9
Inorganic pigments .....	2816	-	5.9	-	2.5	-	3.4	-	37.7
Plastics materials and synthetics .....	2820	3.5	3.6	1.5	1.5	2.0	2.0	29.2	28.9
Plastics materials and resins .....	2821	4.8	5.2	2.1	2.3	2.7	2.9	38.5	40.7
Synthetic rubber .....	2822	5.0	4.3	2.4	2.1	2.5	2.2	42.5	29.3
Cellulosic man-made fibers .....	2823	4.2	4.3	2.0	1.9	2.1	2.4	48.1	53.1
Organic fibers, noncellulosic .....	2824	1.7	1.3	.6	.4	1.1	.9	12.1	8.9
Drugs .....	2830	5.3	4.5	2.6	2.4	2.7	2.1	36.5	35.5
Biological products .....	2831	4.9	4.6	2.4	2.2	2.4	2.4	34.9	30.2
Medicinals and botanicals .....	2833	5.2	5.5	2.6	2.9	2.6	2.6	37.7	41.1
Pharmaceutical preparations .....	2834	5.4	4.4	2.7	2.3	2.7	2.1	36.5	35.6
Soap, cleaners, and toilet goods .....	2840	6.9	7.3	3.3	3.3	3.6	3.9	55.5	55.4
Soap and other detergents .....	2841	6.6	7.1	3.3	3.6	3.2	3.5	55.1	60.4
Polishes and sanitation goods .....	2842	8.7	8.7	3.9	3.7	4.8	5.0	67.2	62.5
Surface active agents .....	2843	7.6	7.9	3.8	3.4	3.8	4.5	66.8	66.3
Toilet preparations .....	2844	6.2	6.6	2.9	3.0	3.3	3.6	48.7	47.7
Paints and allied products .....	2850	9.1	9.5	3.8	4.4	5.3	5.1	57.7	67.2
Industrial organic chemicals .....	2860	3.7	3.5	1.5	1.7	2.1	1.9	35.6	30.6
Gum and wood chemicals .....	2861	6.9	5.9	3.7	2.9	3.3	3.0	84.8	48.3
Cyclic crudes and intermediates .....	2865	3.5	4.7	1.8	2.2	1.7	2.6	43.2	42.4
Industrial organic chemicals, n.e.c. ....	2869	3.5	3.1	1.3	1.5	2.2	1.6	29.8	26.6
Agricultural chemicals .....	2870	5.9	6.1	2.7	2.6	3.2	3.5	54.3	56.4
Phosphatic fertilizers .....	2874	5.2	5.9	2.8	3.1	2.4	2.8	66.9	75.5
Fertilizers, mixing only .....	2875	9.7	9.9	4.1	4.3	5.6	5.6	69.7	61.5
Miscellaneous chemical products .....	2890	8.4	7.2	3.9	3.3	4.5	3.9	59.8	50.5
Adhesives and sealants .....	2891	11.7	9.4	5.5	4.3	6.3	5.1	72.7	63.9
Explosives .....	2892	4.1	3.6	1.7	1.5	2.3	2.1	35.3	24.2
Printing ink .....	2893	12.8	10.2	6.3	4.5	6.5	5.7	63.9	57.2
Carbon black .....	2895	-	4.4	-	2.8	-	1.5	-	62.6
Chemical preparations, n.e.c. ....	2899	7.4	6.7	3.2	3.1	4.2	3.7	62.2	50.8
Petroleum and coal products .....	2900	5.2	5.0	2.4	2.4	2.8	2.6	46.1	53.1
Petroleum refining .....	2910	3.7	3.3	1.6	1.6	2.0	1.7	31.7	37.0
Paving and roofing materials .....	2950	12.0	11.7	5.7	5.6	6.3	6.1	114.6	127.6
Paving mixtures and blocks .....	2951	12.4	11.2	5.6	5.2	6.8	5.9	105.2	125.3
Asphalt felts and coatings .....	2952	11.8	12.1	5.8	5.9	6.0	6.2	121.6	129.2
Miscellaneous petroleum and coal products .....	2990	12.0	11.4	5.8	5.1	6.2	6.3	93.1	90.0
Lubricating oils and greases .....	2992	11.3	11.2	5.4	4.9	5.9	6.3	89.6	84.2
Petroleum and coal products, n.e.c. ....	2999	17.8	12.9	8.6	6.9	9.1	6.0	119.5	135.1
Rubber and miscellaneous plastics products .....	3000	12.7	13.1	6.1	6.2	6.6	6.9	97.4	98.9
Tires and inner tubes .....	3010	8.5	7.8	6.3	5.3	2.2	2.4	117.0	102.5
Rubber and plastics footwear .....	3020	10.5	10.1	5.4	5.8	5.1	4.3	114.4	100.0

See footnotes at end of table.



**Table 3. Occupational injury incidence rates by industry, 1983 and 1984 <sup>1</sup>—Continued**

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	
		1983	1984	1983	1984	1983	1984	1983	1984
Reclaimed rubber .....	3030	18.7	22.7	8.4	13.4	10.3	9.3	213.9	204.5
Rubber and plastics hose and belting .....	3040	9.2	10.6	4.3	5.2	5.0	5.4	74.8	94.4
Fabricated rubber products, n.e.c .....	3060	13.0	13.6	6.3	6.9	6.7	6.7	98.2	110.4
Miscellaneous plastics products .....	3070	13.7	14.1	6.1	6.3	7.6	7.9	93.7	95.9
Leather and leather products .....	3100	9.2	9.7	4.0	4.3	5.2	5.4	73.4	79.5
Leather tanning and finishing .....	3110	18.7	18.7	9.7	9.8	9.0	8.9	181.5	190.5
Boot and shoe cut stock and findings .....	3130	10.7	11.3	5.2	4.9	5.5	6.4	93.6	68.3
Footwear, except rubber .....	3140	8.3	9.0	3.5	4.0	4.8	5.0	68.1	76.8
House slippers .....	3142	7.6	8.9	3.5	4.3	4.1	4.6	49.2	88.2
Men's footwear, except athletic .....	3143	8.7	9.7	3.8	4.3	4.9	5.4	82.5	85.9
Women's footwear, except athletic .....	3144	6.9	8.1	2.9	3.3	4.0	4.7	57.2	61.2
Footwear, except rubber, n.e.c .....	3149	11.0	9.3	4.3	4.5	6.7	4.8	64.8	83.8
Leather gloves and mittens .....	3150	4.5	11.8	1.7	2.3	2.7	9.6	45.1	50.1
Luggage .....	3160	9.3	10.9	4.0	4.2	5.3	6.7	60.5	68.9
Handbags and personal leather goods .....	3170	6.8	5.5	2.4	2.4	4.4	3.1	31.0	40.6
Women's handbags and purses .....	3171	6.2	4.7	2.0	1.8	4.2	2.9	27.9	32.5
Personal leather goods, n.e.c .....	3172	7.6	6.5	3.0	3.0	4.6	3.5	35.1	50.4
Leather goods, nec. ....	3190	-	8.4	-	2.5	-	5.9	-	34.6
Transportation and public utilities .....		8.1	8.6	4.7	5.1	3.4	3.5	94.4	104.2
Railroad transportation <sup>7</sup> .....	4000	7.8	8.6	5.2	5.8	2.6	2.8	76.1	92.6
Local and interurban passenger transit .....	4100	9.5	8.9	5.3	5.3	4.2	3.6	113.1	113.7
Local and suburban transportation .....	4110	13.6	12.1	8.0	7.5	5.6	4.6	132.3	127.5
Taxicabs .....	4120	3.8	4.6	2.5	2.9	1.3	1.8	64.3	60.7
Intercity highway transportation .....	4130	12.1	11.8	7.0	7.0	5.1	4.8	196.1	223.5
Transportation charter service .....	4140	9.7	5.7	3.9	2.8	5.9	2.9	124.9	49.1
School buses .....	4150	6.6	6.1	3.2	3.3	3.4	2.8	61.2	73.0
Trucking and warehousing .....	4200	13.3	14.5	8.0	9.1	5.2	5.4	185.1	206.1
Trucking, local and long distance .....	4210	13.2	14.5	8.1	9.3	5.1	5.3	188.7	211.7
Public warehousing .....	4220	13.8	13.2	7.0	6.5	6.8	6.6	132.2	131.5
Water transportation .....	4400	10.7	12.9	6.4	7.2	4.3	5.6	228.5	267.4
Water transportation services .....	4460	16.9	17.5	10.4	10.4	6.4	7.1	398.4	410.4
Transportation by air .....	4500	12.6	12.9	7.2	7.4	5.4	5.6	96.7	107.0
Certificated air transportation .....	4510	13.1	13.1	7.6	7.7	5.5	5.4	102.5	114.9
Noncertificated air transportation .....	4520	-	10.7	-	4.2	-	6.4	-	52.9
Air transportation services .....	4580	11.0	12.5	5.7	6.2	5.2	6.3	75.9	77.8
Pipelines, except natural gas .....	4600	4.1	4.1	1.5	1.7	2.6	2.4	24.7	40.5
Transportation services .....	4700	3.4	3.9	1.8	2.2	1.6	1.7	37.8	37.1
Freight forwarding .....	4710	6.8	7.0	3.7	3.9	3.1	3.1	66.1	66.3
Arrangement of transportation .....	4720	1.1	1.2	.6	.6	.5	.6	17.2	10.8
Miscellaneous transportation services .....	4780	12.2	14.2	6.0	8.2	6.2	5.9	133.4	154.8
Communication .....	4800	2.9	2.6	1.5	1.4	1.4	1.2	26.8	24.2
Telephone communication .....	4810	1.9	1.6	1.2	1.1	.7	.6	22.1	21.0
Telegraph communication .....	4820	3.7	4.1	2.0	1.7	1.7	2.4	41.2	41.1
Radio and television broadcasting .....	4830	2.1	2.2	.9	.9	1.3	1.4	13.9	13.6
Communication services, n.e.c .....	4890	11.1	9.5	4.8	4.5	6.3	5.1	82.3	61.8
Electric, gas, and sanitary services .....	4900	7.1	7.2	3.6	3.6	3.5	3.6	61.0	58.7
Electric services .....	4910	6.1	6.1	2.9	2.9	3.2	3.2	52.0	47.6
Gas production and distribution .....	4920	6.8	7.2	3.5	3.4	3.3	3.8	49.4	49.8
Combination utility services .....	4930	5.5	5.5	3.1	3.0	2.5	2.5	59.4	56.3
Water supply .....	4940	10.4	11.7	5.3	6.0	5.1	5.7	91.6	73.2
Sanitary services .....	4950	20.8	19.7	11.0	10.7	9.7	9.0	168.8	165.7

See footnotes at end of table.

Table 3. Occupational injury incidence rates by industry, 1983 and 1984 <sup>1</sup>—Continued

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	
		1983	1984	1983	1984	1983	1984	1983	1984
Wholesale and retail trade .....		7.2	7.4	3.1	3.2	4.1	4.1	47.4	50.0
Wholesale trade .....		6.9	7.2	3.2	3.4	3.7	3.7	50.1	54.8
Wholesale trade-durable goods .....	5000	6.3	6.6	2.6	2.9	3.7	3.7	39.2	44.4
Motor vehicles and automotive equipment .....	5010	6.9	8.3	2.9	3.6	4.0	4.7	46.1	57.5
Furniture and home furnishings .....	5020	-	7.4	-	3.5	-	3.9	-	42.5
Lumber and construction materials .....	5030	11.0	11.3	4.8	5.6	6.2	5.7	68.6	85.8
Metals and minerals, except petroleum .....	5050	11.5	12.3	5.0	5.7	6.5	6.6	80.5	91.7
Electrical goods .....	5060	-	3.0	-	1.5	-	1.6	-	24.3
Hardware, plumbing and heating equipment .....	5070	6.0	6.2	2.6	3.0	3.4	3.2	29.6	40.4
Machinery, equipment, and supplies .....	5080	5.7	5.9	2.2	2.3	3.4	3.6	31.8	32.8
Miscellaneous durable goods .....	5090	10.1	9.4	4.8	4.9	5.3	4.5	72.6	84.4
Wholesale trade-nondurable goods .....	5100	7.8	7.9	4.1	4.1	3.7	3.7	65.7	70.0
Paper and paper products .....	5110	4.9	7.0	2.8	3.8	2.1	3.2	42.8	60.9
Groceries and related products .....	5140	12.2	11.6	6.6	6.4	5.7	5.2	105.4	108.9
Farm-product raw materials .....	5150	6.7	7.4	2.8	3.4	3.8	4.0	62.9	56.5
Chemicals and allied products .....	5160	-	4.3	-	2.0	-	2.3	-	-
Petroleum and petroleum products .....	5170	4.5	4.1	2.1	2.2	2.3	1.9	45.0	43.6
Beer, wine, and distilled beverages .....	5180	11.5	13.1	6.3	7.1	5.2	6.0	102.4	118.7
Miscellaneous nondurable goods .....	5190	5.3	5.8	2.7	2.7	2.6	3.0	40.2	47.2
Retail trade .....		7.2	7.5	3.0	3.2	4.3	4.3	46.3	47.9
Building materials and garden supplies .....	5200	8.5	9.6	3.7	4.4	4.8	5.1	57.7	65.5
Lumber and other building materials .....	5210	10.8	12.5	4.9	5.9	5.8	6.5	75.5	92.0
Paint, glass, and wallpaper stores .....	5230	7.5	8.9	2.7	3.4	4.8	5.5	48.8	46.0
Hardware stores .....	5250	4.7	4.9	1.8	2.1	2.9	2.8	23.9	26.0
Retail nurseries and garden stores .....	5260	6.4	6.3	2.8	3.0	3.6	3.3	34.4	33.7
General merchandise stores .....	5300	9.6	9.7	4.0	4.1	5.7	5.6	55.7	60.0
Department stores .....	5310	10.2	10.2	4.2	4.4	6.0	5.8	59.9	64.1
Variety stores .....	5330	7.3	7.9	2.7	2.8	4.6	5.1	35.8	42.6
Miscellaneous general merchandise stores .....	5390	-	6.2	-	2.5	-	3.6	-	34.6
Food stores .....	5400	10.4	10.8	4.4	4.9	5.9	5.9	79.1	85.5
Grocery stores .....	5410	11.2	11.8	4.8	5.4	6.4	6.4	85.1	93.8
Automotive dealers and service stations .....	5500	6.8	6.9	2.4	2.7	4.3	4.2	39.4	46.1
New and used car dealers .....	5510	8.5	8.4	2.6	2.8	5.8	5.6	40.7	44.0
Auto and home supply stores .....	5530	9.1	8.5	4.2	4.2	4.9	4.2	66.1	64.3
Gasoline service stations .....	5540	3.6	3.9	1.5	1.8	2.2	2.1	27.3	44.4
Apparel and accessory stores .....	5600	2.4	2.7	1.0	1.1	1.4	1.6	17.7	19.4
Women's ready-to-wear stores .....	5620	-	3.0	-	1.2	-	1.8	-	23.7
Children's and infants wear stores .....	5640	-	2.9	-	.5	-	2.4	-	-
Family clothing stores .....	5650	4.2	4.8	1.8	2.2	2.4	2.6	21.4	28.6
Shoe stores .....	5660	-	1.8	-	.7	-	1.0	-	7.0
Furniture and home furnishing stores .....	5700	3.6	4.2	1.8	2.1	1.8	2.1	30.2	36.6
Furniture and home furnishings stores .....	5710	4.2	5.0	2.1	2.6	2.1	2.4	35.4	44.4
Household appliance stores .....	5720	3.7	4.0	1.9	1.9	1.8	2.1	27.6	50.2
Radio, television, and music stores .....	5730	2.5	2.8	1.1	1.2	1.3	1.6	20.4	16.3
Eating and drinking places .....	5800	7.7	7.7	3.0	3.0	4.7	4.7	40.0	34.1
Miscellaneous retail .....	5900	3.6	3.9	1.7	1.9	1.9	1.9	31.1	33.7
Drug stores and proprietary stores .....	5910	3.1	3.5	1.2	1.4	1.9	2.0	23.7	21.9
Liquor stores .....	5920	2.5	2.5	1.1	1.2	1.4	1.3	42.5	43.1
Used merchandise stores .....	5930	-	6.9	-	3.3	-	3.5	-	57.5
Miscellaneous shopping goods stores .....	5940	2.2	2.3	1.0	1.0	1.2	1.3	14.6	15.5
Nonstore retailers .....	5960	7.2	7.9	3.6	4.4	3.7	3.5	45.2	64.0
Fuel and ice dealers .....	5980	7.1	7.0	3.9	4.0	3.1	3.0	60.2	61.5

See footnotes at end of table.

**Table 3. Occupational injury incidence rates by industry, 1983 and 1984 <sup>1</sup>—Continued**

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	
		1983	1984	1983	1984	1983	1984	1983	1984
Retail stores, n.e.c .....	5990	2.3	2.9	1.2	1.6	1.0	1.3	43.9	43.4
Finance, insurance, and real estate .....		1.9	1.9	.8	.9	1.1	1.0	12.4	13.2
Banking .....	6000	1.6	1.5	.6	.7	1.0	.9	7.8	10.4
Commercial and stock savings banks .....	6020	1.6	1.5	.6	.6	1.0	.9	7.6	8.8
Mutual savings banks .....	6030	-	2.2	-	1.3	-	.9	-	36.1
Functions closely related to banking .....	6050	-	.8	-	.5	-	.4	-	12.7
Credit agencies other than banks .....	6100	1.3	1.4	.5	.6	.8	.8	6.0	7.7
Savings and loan associations .....	6120	1.8	1.8	.7	.7	1.1	1.0	6.7	8.8
Personal credit institutions .....	6140	-	.7	-	.4	-	.4	-	-
Mortgage bankers and brokers .....	6160	-	1.4	-	.6	-	.7	-	8.5
Security, commodity brokers and services .....	6200	.8	.7	.3	.3	.5	.4	3.7	4.7
Security brokers and dealers .....	6210	.7	.6	.2	.3	.5	.3	3.0	2.9
Security and commodity services .....	6280	.9	1.1	.4	.5	.5	.6	4.5	10.5
Insurance carriers .....	6300	1.7	1.7	.7	.7	1.0	.9	12.1	11.2
Life insurance .....	6310	1.4	1.6	.7	.8	.7	.8	12.6	13.6
Medical service and health insurance .....	6320	2.0	2.1	.8	.9	1.1	1.1	11.7	12.1
Fire, marine, and casualty insurance .....	6330	2.2	1.8	.8	.7	1.4	1.1	11.4	9.4
Insurance agents, brokers and service .....	6400	.7	.8	.3	.3	.5	.5	4.1	4.4
Real estate .....	6500	4.3	4.4	2.2	2.2	2.1	2.2	34.2	33.1
Real estate operators and lessors .....	6510	4.9	5.1	2.5	2.5	2.4	2.6	38.5	34.4
Real estate agents and managers .....	6530	2.8	2.9	1.4	1.5	1.4	1.4	21.9	25.0
Subdividers and developers .....	6550	7.7	7.7	3.8	3.7	3.9	4.0	59.0	61.2
Combined real estate, insurance, etc .....	6600	-	.6	-	.3	-	.3	-	7.7
Services .....		4.9	5.0	2.3	2.4	2.6	2.6	36.2	40.3
Hotels and other lodging places .....	7000	9.0	9.7	3.7	4.1	5.3	5.6	53.8	62.8
Hotels, motels, and tourist courts .....	7010	9.2	9.9	3.8	4.2	5.4	5.7	54.6	64.4
Personal services .....	7200	2.8	2.8	1.3	1.4	1.5	1.4	20.2	24.3
Laundry, cleaning, and garment services .....	7210	4.9	5.1	2.4	2.6	2.5	2.5	38.3	42.7
Photographic studios, portrait .....	7220	-	3.5	-	1.6	-	1.9	-	41.3
Miscellaneous personal services .....	7290	-	2.4	-	1.3	-	1.0	-	19.9
Business services .....	7300	4.6	4.8	2.1	2.2	2.4	2.6	33.0	38.8
Services to buildings .....	7340	6.9	7.8	3.8	3.8	3.2	4.0	59.3	62.3
Personnel supply services .....	7360	7.4	8.0	2.9	3.7	4.4	4.3	48.8	50.9
Computer and data processing services .....	7370	1.2	1.3	.5	.6	.7	.7	8.3	9.6
Miscellaneous business services .....	7390	4.6	4.4	2.1	2.0	2.5	2.4	30.7	40.7
Auto repair, services, and garages .....	7500	7.0	6.8	3.2	3.2	3.7	3.6	51.5	52.3
Automotive rentals, without drivers .....	7510	8.1	7.3	4.5	3.7	3.7	3.5	67.4	63.5
Automobile parking .....	7520	-	3.6	-	1.7	-	1.9	-	29.6
Automotive repair shops .....	7530	7.3	7.4	3.2	3.3	4.1	4.0	51.8	52.9
Automotive services, except repair .....	7540	5.0	4.3	2.5	1.9	2.4	2.4	37.7	40.2
Miscellaneous repair services .....	7600	7.7	8.1	3.7	3.9	4.0	4.2	61.0	67.9
Electrical repair shops .....	7620	5.4	6.0	2.5	2.9	2.9	3.1	41.4	54.2
Miscellaneous repair shops .....	7690	9.6	10.0	4.6	4.8	5.0	5.2	76.2	81.7
Motion pictures .....	7800	4.0	3.9	1.6	1.7	2.4	2.3	28.5	29.9
Motion picture production and services .....	7810	-	5.1	-	2.2	-	3.0	-	38.6
Motion picture theaters .....	7830	2.9	2.6	1.2	1.1	1.7	1.5	14.3	19.2
Amusement and recreation services .....	7900	8.0	8.8	3.6	3.8	4.4	5.0	52.6	51.1
Bowling and billiard establishments .....	7930	3.6	4.9	1.6	2.6	2.0	2.3	29.6	40.1
Miscellaneous amusement, recreational services .....	7990	8.2	8.2	3.7	3.5	4.5	4.7	48.5	43.8

See footnotes at end of table.

**Table 3. Occupational injury incidence rates by industry, 1983 and 1984 <sup>1</sup>—Continued**

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	
		1983	1984	1983	1984	1983	1984	1983	1984
Health services .....	8000	6.0	6.0	3.1	3.3	2.9	2.8	49.2	55.9
Nursing and personal care facilities .....	8050	10.9	11.4	6.0	6.4	4.9	5.0	97.6	120.4
Hospitals .....	8060	7.1	6.9	3.5	3.7	3.5	3.3	55.6	61.0
Legal services .....	8100	.4	.5	.2	.2	.2	.2	4.0	4.5
Educational services .....	8200	3.3	3.2	1.4	1.3	1.9	1.9	18.1	21.2
Colleges and universities .....	8220	3.9	3.8	1.6	1.6	2.3	2.2	22.7	26.5
Social services .....	8300	5.1	5.2	2.4	2.5	2.7	2.8	36.8	38.5
Individual and family services .....	8320	4.4	3.7	2.3	2.1	2.1	1.6	30.5	41.1
Job training and related services .....	8330	8.3	8.1	3.6	3.6	4.7	4.6	46.7	41.4
Residential care .....	8360	7.3	8.2	3.6	3.9	3.7	4.4	53.9	62.0
Social services, n.e.c. ....	8390	4.6	4.5	2.1	2.1	2.4	2.4	29.7	33.0
Museums, botanical, zoological gardens .....	8400	6.2	6.0	2.6	2.7	3.6	3.3	31.7	38.9
Museums and art galleries .....	8410	4.3	4.1	1.8	1.9	2.5	2.2	21.9	24.6
Botanical and zoological gardens .....	8420	14.1	14.1	6.0	5.9	8.1	8.1	73.2	99.4
Miscellaneous services .....	8900	1.2	1.4	.5	.6	.7	.7	7.5	8.6
Engineering and architectural services .....	8910	1.6	1.8	.7	.8	.9	1.0	10.8	10.9
Noncommercial research organizations .....	8920	2.1	2.4	1.0	1.1	1.1	1.2	11.2	15.8
Accounting, auditing and bookkeeping .....	8930	.3	.3	.1	.2	.2	.2	1.6	3.3

<sup>1</sup> To maintain comparability with the rest of the series, a statistical method was used for generating the estimates to represent the small nonfarm employers in low-risk industries who were not surveyed for 1983 and 1984. The estimating procedure involved averaging the data reported by small employers for 1980, 1981, and 1982 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, 1977 Supplement.*

<sup>4</sup> Incidence rates represent the number of injuries or lost workdays per 100 full-time workers and were calculated as:  $(N/EH) \times 200,000$  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 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 may not reflect the fatality rate.

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

<sup>7</sup> Data conforming to OSHA definitions for employers in the railroad industry and for mining operators in coal, metal, and nonmetal mining were provided to BLS by the Federal Railroad Administration, U.S. Department of Transportation and the Mine Safety and Health Administration, U.S. Department of Labor. Independent mining contractors are excluded from the coal, metal, and nonmetal mining industries.

NOTE: Dashes indicate data that do not meet publication guidelines. Because of rounding the components may add to a sum greater than the total.

n.a. = data not available.  
 n.e.c. = not elsewhere classified.

**Table 4. Occupational injury incidence rates by industry division and employment size, 1983 and 1984 <sup>1</sup>**

Industry division	Incidence rates per 100 full-time workers <sup>2</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
Private sector: <sup>3</sup>								
1983 .....	3.4	7.5	10.0	10.6	9.5	8.3	6.7	5.3
1984 .....	3.6	7.9	10.6	11.1	9.9	8.7	6.8	5.4
Agriculture, forestry, and fishing: <sup>3</sup>								
1983 .....	6.1	10.2	14.0	15.6	13.7	14.4	29.3	21.7
1984 .....	6.3	9.8	13.4	15.3	17.0	16.4	25.5	23.4
Mining: <sup>4</sup>								
1983 .....	6.7	10.3	13.0	8.4	7.4	5.4	2.5	.5
1984 .....	7.0	11.7	15.2	11.0	7.2	6.0	3.1	.5
Construction:								
1983 .....	8.6	17.0	20.7	21.4	17.4	13.3	9.3	10.8
1984 .....	9.4	17.4	21.2	21.3	18.9	13.1	9.6	8.3
Manufacturing:								
1983 .....	7.5	12.1	14.2	13.6	10.8	8.5	5.9	4.5
1984 .....	7.5	12.6	15.0	14.2	11.6	9.2	6.2	4.7
Durable goods:								
1983 .....	9.2	14.6	16.3	15.0	11.2	8.5	5.7	4.5
1984 .....	10.0	15.4	17.5	15.8	12.5	9.6	6.2	4.7
Nondurable goods:								
1983 .....	4.8	8.8	11.8	12.1	10.3	8.4	6.2	4.5
1984 .....	3.8	8.7	12.0	12.6	10.5	8.7	6.2	4.6
Transportation and public utilities:								
1983 .....	4.8	9.3	11.1	9.6	7.5	8.5	6.7	7.1
1984 .....	5.5	9.9	11.8	9.6	8.0	8.7	7.8	7.8
Wholesale and retail trade:								
1983 .....	2.8	6.5	9.3	10.6	11.6	11.7	11.4	10.3
1984 .....	2.8	6.8	9.6	11.1	11.0	12.4	10.9	11.0
Wholesale trade:								
1983 .....	3.7	6.9	9.4	9.7	10.2	9.6	8.1	-
1984 .....	3.3	7.6	9.7	10.7	9.4	10.1	7.0	-
Retail trade:								
1983 .....	2.5	6.3	9.3	11.0	12.1	12.4	12.0	10.4
1984 .....	2.6	6.3	9.5	11.2	11.6	13.1	11.5	11.0
Finance, insurance, and real estate:								
1983 .....	1.2	1.6	2.1	2.4	2.8	2.5	2.1	1.9
1984 .....	1.3	1.8	2.1	2.2	2.6	2.5	1.9	1.6
Services:								
1983 .....	1.7	3.2	5.3	7.3	7.2	7.2	7.1	5.8
1984 .....	1.7	3.4	5.9	7.5	7.6	7.0	6.9	5.3

<sup>1</sup> To maintain comparability with the rest of the series, a statistical method was used for generating the estimates to represent the small nonfarm employers in low-risk industries who were not surveyed for 1983 and 1984. The estimating procedure involved averaging the data reported by small employers for the 1980, 1981, and 1982 surveys.

<sup>2</sup> Incidence rates represent the number of injuries per 100 full-time workers and were calculated as:  $(N/EH) \times 200,000$  where,

N = number of injuries

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

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

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

<sup>4</sup> Excludes independent mining contractors.

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

**Table 5. Occupational injury incidence rates for lost workday cases by industry, 1983 and 1984 <sup>1</sup>**

Industry <sup>2</sup>	SIC code <sup>3</sup>	Incidence rates per 100 full-time workers <sup>4</sup>											
		Lost workday injuries						Lost workdays					
		Total lost workday cases		Cases involving days away from work <sup>5</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>6</sup>	
		1983	1984	1983	1984	1983	1984	1983	1984	1983	1984	1983	1984
Private sector <sup>7</sup> .....		3.4	3.6	3.1	3.3	0.3	0.3	57.2	61.8	52.4	56.4	4.8	5.4
Agriculture, forestry, and fishing .....		6.0	5.9	5.7	5.6	.2	.3	89.5	89.4	83.2	82.9	6.3	6.6
Agricultural production .....	01-02	6.8	6.6	6.6	6.3	.2	.3	99.6	98.8	93.2	91.7	6.3	7.1
Agricultural services .....	0700	5.0	5.0	4.7	4.7	.3	.3	76.4	72.7	69.9	66.6	6.5	6.1
Forestry .....	0800	5.5	8.3	5.3	8.0	.1	.2	96.0	184.4	89.1	181.3	7.0	3.1
Fishing, hunting, and trapping .....	0900	2.9	3.8	2.9	3.6	.1	.2	72.1	112.8	71.2	108.2	.9	4.6
Mining .....		4.4	5.3	4.2	5.1	.2	.2	124.1	159.3	119.1	154.1	5.0	5.3
Metal mining <sup>8</sup> .....	1000	3.4	3.4	3.0	3.1	.4	.4	89.9	95.6	83.7	84.8	6.3	10.8
Anthracite mining <sup>8</sup> .....	1100	6.1	6.3	6.1	6.2	( <sup>9</sup> )	.1	470.4	281.4	470.2	275.2	.2	6.2
Bituminous coal and lignite mining <sup>8</sup> .....	1200	5.5	5.5	5.4	5.4	.1	.1	187.1	191.5	184.8	189.3	2.3	2.2
Oil and gas extraction .....	1300	4.6	5.9	4.3	5.7	.3	.2	119.7	172.1	114.2	166.4	5.5	5.7
Nonmetallic minerals, except fuels <sup>8</sup> .....	1400	2.6	2.7	2.3	2.4	.3	.2	65.5	72.7	59.5	67.2	6.0	5.6
Construction .....		6.2	6.9	6.0	6.6	.2	.3	117.3	126.7	111.5	120.3	5.8	6.4
General building contractors .....	1500	6.1	6.9	5.9	6.6	.2	.3	112.0	120.5	107.5	114.4	4.5	6.1
Heavy construction contractors .....	1600	6.1	6.3	5.9	6.1	.2	.2	121.7	130.8	117.6	125.1	4.1	5.7
Special trade contractors .....	1700	6.3	7.0	6.1	6.8	.2	.3	118.0	128.2	110.8	121.4	7.1	6.8
Manufacturing .....		4.2	4.5	3.7	3.9	.5	.5	70.4	74.2	62.3	65.3	8.0	8.9
Durable goods .....		4.2	4.6	3.7	4.0	.5	.6	70.3	76.3	61.8	66.6	8.5	9.6
Lumber and wood products .....	2400	9.1	9.8	8.7	9.2	.4	.5	161.4	169.8	153.6	159.6	7.8	10.2
Furniture and fixtures .....	2500	5.6	6.3	5.0	5.6	.6	.7	80.2	97.7	71.5	86.9	8.7	10.8
Stone, clay, and glass products .....	3200	5.9	6.4	5.4	5.9	.5	.6	109.4	117.3	100.1	106.9	9.3	10.4
Primary metal industries .....	3300	5.3	6.0	4.6	5.2	.8	.8	101.2	112.7	89.0	98.9	12.2	13.7
Fabricated metal products .....	3400	5.9	6.5	5.2	5.7	.7	.8	92.4	100.9	82.6	89.4	9.8	11.4
Machinery, except electrical .....	3500	6.1	6.2	5.4	5.5	.7	.7	97.4	98.9	86.1	87.1	11.3	11.8
Electric and electronic equipment .....	3600	2.4	2.6	2.0	2.2	.4	.4	36.9	40.0	30.0	32.7	6.8	7.3
Transportation equipment .....	3700	3.5	4.0	2.8	3.3	.6	.7	62.0	65.6	52.5	54.8	9.5	10.7
Instruments and related products .....	3800	2.0	2.0	1.7	1.7	.3	.3	32.7	33.4	26.4	26.8	6.3	6.6
Miscellaneous manufacturing industries .....	3900	3.8	4.1	3.5	3.7	.4	.4	63.6	66.7	57.4	60.0	6.2	6.7
Nondurable goods .....		4.2	4.3	3.7	3.8	.4	.5	70.5	71.1	63.1	63.3	7.4	7.8
Food and kindred products .....	2000	7.5	7.6	7.0	6.9	.6	.7	124.0	122.7	113.3	110.9	10.7	11.9
Tobacco manufactures .....	2100	2.9	3.2	2.7	2.9	.3	.3	42.6	51.4	38.1	47.3	4.5	4.0
Textile mill products .....	2200	2.7	3.0	2.3	2.4	.5	.5	50.2	52.3	43.1	44.6	7.0	7.6
Apparel and other textile products .....	2300	2.3	2.4	2.2	2.3	.1	.1	39.2	38.9	36.8	36.3	2.4	2.6
Paper and allied products .....	2600	4.4	4.6	3.8	4.1	.6	.6	88.6	91.9	78.6	81.8	10.0	10.1
Printing and publishing .....	2700	2.8	2.9	2.7	2.7	.2	.2	43.6	44.6	40.7	41.4	2.9	3.2
Chemicals and allied products .....	2800	2.4	2.3	1.9	1.8	.5	.5	41.2	39.4	32.8	31.0	8.4	8.4
Petroleum and coal products .....	2900	2.4	2.4	1.9	2.0	.4	.4	46.1	53.1	37.4	45.3	8.7	7.8
Rubber and miscellaneous plastics products .....	3000	6.1	6.2	5.4	5.5	.7	.7	97.4	98.9	86.1	87.1	11.3	11.8
Leather and leather products .....	3100	4.0	4.3	3.7	3.9	.3	.4	73.4	79.5	66.8	73.1	6.6	6.4
Transportation and public utilities .....		4.7	5.1	4.2	4.6	.5	.5	94.4	104.2	85.5	94.7	8.9	9.5
Railroad transportation <sup>8</sup> .....	4000	5.2	5.8	3.3	3.3	1.9	2.4	76.1	92.6	54.0	61.0	22.1	31.6
Local and interurban passenger transit .....	4100	5.3	5.3	5.0	5.1	.3	.2	113.1	113.7	108.8	105.8	4.4	7.8
Trucking and warehousing .....	4200	8.0	9.1	7.9	8.9	.1	.2	185.1	206.1	181.7	202.4	3.3	3.7
Water transportation .....	4400	6.4	7.2	6.3	7.1	.1	.2	228.5	267.4	225.5	262.6	3.0	4.8
Transportation by air .....	4500	7.2	7.4	6.9	7.1	.3	.3	96.7	107.0	90.1	100.9	6.7	6.1
Pipe lines, except natural gas .....	4600	1.5	1.7	1.4	1.6	.1	.1	24.7	40.5	22.8	36.8	1.8	3.7
Transportation services .....	4700	1.8	2.2	1.8	2.1	( <sup>9</sup> )	.1	37.8	37.1	36.5	35.7	1.4	1.4
Communication .....	4800	1.5	1.4	1.2	1.1	.3	.3	26.8	24.2	18.4	16.3	8.4	8.0

See footnotes at end of table.

**Table 5. Occupational injury incidence rates for lost workday cases by industry, 1983 and 1984<sup>1</sup>—Continued**

Industry <sup>2</sup>	SIC code <sup>3</sup>	Incidence rates per 100 full-time workers <sup>4</sup>											
		Lost workday injuries						Lost workdays					
		Total lost workday cases		Cases involving days away from work <sup>5</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>6</sup>	
		1983	1984	1983	1984	1983	1984	1983	1984	1983	1984	1983	1984
Electric, gas, and sanitary services .....	4900	3.6	3.6	2.6	2.7	1.0	0.9	61.0	58.7	44.5	43.1	16.5	15.5
Wholesale and retail trade .....		3.1	3.2	2.9	3.1	.2	.2	47.4	50.0	44.3	46.2	3.1	3.8
Wholesale trade .....		3.2	3.4	3.0	3.2	.2	.2	50.1	54.8	46.1	50.4	4.0	4.3
Wholesale trade-durable goods .....	5000	2.6	2.9	2.5	2.7	.2	.2	39.2	44.4	35.3	40.5	4.0	4.0
Wholesale trade-nondurable goods .....	5100	4.1	4.1	3.9	3.9	.2	.2	65.7	70.0	61.8	65.1	4.0	4.9
Retail trade .....		3.0	3.2	2.8	3.0	.1	.1	46.3	47.9	43.5	44.4	2.8	3.5
Building materials and garden supplies .....	5200	3.7	4.4	3.5	4.2	.2	.3	57.7	65.5	51.6	59.9	6.0	5.5
General merchandise stores .....	5300	4.0	4.1	3.7	3.8	.3	.3	55.7	60.0	51.3	53.4	4.4	6.6
Food stores .....	5400	4.4	4.9	4.4	4.8	.1	.1	79.1	85.5	77.0	81.7	2.1	3.8
Automotive dealers and service stations .....	5500	2.4	2.7	2.3	2.6	.1	.1	39.4	46.1	36.9	43.3	2.5	2.8
Apparel and accessory stores .....	5600	1.0	1.1	1.0	1.0	( <sup>9</sup> )	.1	17.7	19.4	16.5	17.8	1.2	1.6
Furniture and home furnishing stores .....	5700	1.8	2.1	1.7	2.0	.1	.1	30.2	36.6	26.5	31.9	3.8	4.7
Eating and drinking places .....	5800	3.0	3.0	2.9	2.9	.2	.1	40.0	34.1	37.6	31.4	2.5	2.7
Miscellaneous retail .....	5900	1.7	1.9	1.6	1.8	.1	.1	31.1	33.7	28.9	31.2	2.2	2.5
Finance, insurance, and real estate .....		.8	.9	.8	.8	( <sup>9</sup> )	.1	12.4	13.2	11.2	11.5	1.3	1.6
Banking .....	6000	.6	.7	.6	.6	( <sup>9</sup> )	( <sup>9</sup> )	7.8	10.4	6.8	8.8	1.0	1.6
Credit agencies other than banks .....	6100	.5	.6	.5	.5	( <sup>9</sup> )	( <sup>9</sup> )	6.0	7.7	5.4	6.3	.6	1.3
Security, commodity brokers and services .....	6200	.3	.3	.3	.3	-	( <sup>9</sup> )	3.7	4.7	3.6	4.4	.2	.3
Insurance carriers .....	6300	.7	.7	.7	.7	( <sup>9</sup> )	( <sup>9</sup> )	12.1	11.2	11.3	10.2	.8	1.1
Insurance agents, brokers and service .....	6400	.3	.3	.2	.2	( <sup>9</sup> )	( <sup>9</sup> )	4.1	4.4	3.6	4.0	.6	.4
Real estate .....	6500	2.2	2.2	2.1	2.1	.1	.2	34.2	33.1	30.8	29.2	3.5	3.9
Combined real estate, insurance, etc. ....	6600	-	.3	-	.3	-	( <sup>9</sup> )	-	7.7	-	6.6	-	1.1
Services .....		2.3	2.4	2.2	2.3	.1	.1	36.2	40.3	33.8	37.4	2.4	2.9
Hotels and other lodging places .....	7000	3.7	4.1	3.5	3.8	.2	.2	53.8	62.8	50.5	58.0	3.4	4.7
Personal services .....	7200	1.3	1.4	1.3	1.4	.1	.1	20.2	24.3	19.2	22.8	1.0	1.5
Business services .....	7300	2.1	2.2	2.0	2.1	.1	.1	33.0	38.8	30.8	36.5	2.2	2.3
Auto repair, services, and garages .....	7500	3.2	3.2	3.1	3.0	.2	.2	51.5	52.3	45.8	49.2	5.6	3.2
Miscellaneous repair services .....	7600	3.7	3.9	3.5	3.7	.2	.3	61.0	67.9	56.2	62.3	4.8	5.6
Motion pictures .....	7800	1.6	1.7	1.5	1.6	-	-	28.5	29.9	26.9	28.1	1.6	1.8
Amusement and recreation services .....	7900	3.6	3.8	3.0	3.2	.6	.6	52.6	51.1	45.6	44.2	6.9	6.9
Health services .....	8000	3.1	3.3	3.0	3.2	.1	.1	49.2	55.9	47.0	52.7	2.2	3.2
Legal services .....	8100	.2	.2	.2	.2	( <sup>9</sup> )	( <sup>9</sup> )	4.0	4.5	2.5	3.0	1.5	1.1
Educational services .....	8200	1.4	1.3	1.3	1.2	( <sup>9</sup> )	.1	18.1	21.2	16.6	19.5	1.5	1.7
Social services .....	8300	2.4	2.5	2.4	2.3	.1	.1	36.8	38.5	34.0	34.5	2.8	4.1
Museums, botanical, zoological gardens .....	8400	2.6	2.7	2.4	2.5	.2	.2	31.7	38.9	28.4	30.6	3.3	8.3
Miscellaneous services .....	8900	.5	.6	.5	.6	( <sup>9</sup> )	( <sup>9</sup> )	7.5	8.6	6.4	7.6	1.1	1.1

<sup>1</sup> To maintain comparability with the rest of the series a statistical method was used for generating the estimates to represent the small nonfarm employers in low-risk industries who were not surveyed for 1983 and 1984. The estimating procedure involved averaging the data reported by small employers for 1980, 1981, and 1982 surveys.

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

<sup>3</sup> *Standard Industrial Classification Manual, 1972 Edition, 1977 Supplement.*

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

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

<sup>5</sup> Also includes cases which involved both days away from work and days of restricted work activity.

<sup>6</sup> The number of days of restricted work activity includes those resulting from cases involving restricted work only and days resulting from cases involving days away from work and days of restricted work activity.

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

<sup>8</sup> Data conforming to OSHA definitions for employers in the railroad industry and for mining operators in coal, metal, and nonmetal mining were provided to BLS by the Federal Railroad Administration, U.S. Department of Transportation and the Mine Federal Railroad Administration, U.S. Department of Transportation. Independent mining contractors are excluded from the coal, metal, and nonmetal mining industries.

<sup>9</sup> Incidence rates less than 0.05.

NOTE: Dashes indicate data that do not meet publication guidelines. Because of rounding, components may add to a sum greater than the components.

**Table 6. Number of occupational injuries and illnesses by industry, 1984**

Industry <sup>1</sup>	SIC code <sup>2</sup>	Injuries and illnesses			Injuries			Illnesses		
		Total cases (thousands)	Lost workday cases (thousands)	Average lost workdays per lost workday case	Total cases (thousands)	Lost workday cases (thousands)	Average lost workdays per lost workday case	Total cases (thousands)	Lost workday cases (thousands)	Average lost workdays per lost workday case
Private sector <sup>3</sup> .....		5,419.7	2,501.5	17	5,294.8	2,449.7	17	124.8	51.8	20
Agriculture, forestry, and fishing <sup>3</sup> .....		93.6	47.4	15	90.2	46.3	15	3.4	1.1	9
Agricultural production <sup>3</sup> .....	01-02	57.0	28.6	15	54.9	28.0	15	2.1	.6	11
Agricultural services .....	0700	33.9	17.2	14	32.6	16.7	15	1.3	.5	6
Forestry .....	0800	2.0	1.2	22	1.9	1.2	22	.1	(*)	14
Fishing, hunting, and trapping .....	0900	.7	.5	30	.7	.5	30	(*)	(*)	37
Mining .....		94.1	52.0	30	92.9	51.4	30	1.3	.6	14
Metal mining <sup>5</sup> .....	1000	2.7	1.5	28	2.6	1.5	28	.1	(*)	24
Anthracite mining <sup>5</sup> .....	1100	.2	.1	44	.2	.1	44	(*)	(*)	(*)
Bituminous coal and lignite mining <sup>5</sup> .....	1200	12.5	9.9	35	12.4	9.8	35	.2	.1	21
Oil and gas extraction .....	1300	73.6	37.0	29	72.7	36.5	29	.9	.5	12
Nonmetallic minerals <sup>6</sup> , except fuels <sup>5</sup> .....	1400	5.1	3.5	27	5.1	3.5	27	.1	(*)	13
Construction .....		582.0	258.8	19	575.9	256.5	18	6.1	2.2	24
General building contractors .....	1500	150.8	67.5	18	149.4	67.0	18	1.4	.5	15
Heavy construction contractors .....	1600	107.1	46.0	21	105.5	45.5	21	1.6	.5	14
Special trade contractors .....	1700	324.1	145.2	18	321.0	144.1	18	3.1	1.2	33
Manufacturing .....		1,988.6	873.6	17	1,916.1	841.8	17	72.4	31.9	22
Durable goods .....		1,261.3	543.0	17	1,217.5	524.5	16	43.9	18.5	23
Lumber and wood products .....	2400	130.3	65.7	17	128.4	64.9	17	1.8	.7	20
Furniture and fixtures .....	2500	70.6	29.8	16	69.0	29.0	16	1.6	.8	22
Stone, clay, and glass products .....	3200	80.2	38.7	18	78.4	37.9	18	1.8	.8	26
Primary metal industries .....	3300	113.6	52.1	19	111.1	51.2	19	2.5	.9	25
Fabricated metal products .....	3400	230.2	95.6	16	223.4	92.7	16	6.9	2.9	20
Machinery, except electrical .....	3500	104.3	49.4	16	100.5	47.6	16	3.8	1.8	23
Electric and electronic equipment .....	3600	148.5	60.9	16	138.8	56.6	15	9.7	4.3	26
Transportation equipment .....	3700	181.4	81.0	17	173.9	77.8	16	7.5	3.2	20
Instruments and related products .....	3800	37.4	15.2	17	35.2	14.1	16	2.3	1.0	27
Miscellaneous manufacturing industries .....	3900	37.5	15.2	16	35.7	14.6	16	1.8	.6	19
Nondurable goods .....		727.3	330.7	17	698.7	317.3	17	28.6	13.4	21
Food and kindred products .....	2000	258.7	125.5	16	244.2	118.3	16	14.5	7.2	19
Tobacco manufactures .....	2100	4.5	1.9	16	4.5	1.9	16	.1	(*)	9
Textile mill products .....	2200	57.0	21.8	18	55.7	21.2	18	1.3	.5	23
Apparel and other textile products .....	2300	70.8	26.6	16	68.8	25.7	16	2.0	.9	24
Paper and allied products .....	2600	70.8	32.3	20	69.6	31.7	20	1.2	.6	23
Printing and publishing .....	2700	79.3	35.8	16	77.8	35.1	15	1.5	.7	26
Chemicals and allied products .....	2800	54.2	24.9	17	51.5	24.0	17	2.7	.9	15
Petroleum and coal products .....	2900	9.7	4.6	22	9.5	4.5	23	.3	.1	9
Rubber and miscellaneous plastics products .....	3000	104.3	49.4	16	100.5	47.6	16	3.8	1.8	23
Leather and leather products .....	3100	17.8	7.9	20	16.5	7.3	19	1.3	.7	37
Transportation and public utilities .....		427.9	251.6	20	422.1	249.3	20	5.8	2.3	20
Railroad transportation <sup>5</sup> .....	4000	34.0	22.8	16	33.4	22.5	16	.6	.3	9
Local and interurban passenger transit .....	4100	18.5	10.9	21	18.3	10.9	22	.2	.1	12
Trucking and warehousing .....	4200	185.6	116.3	23	184.6	115.8	23	1.0	.5	43
Water transportation .....	4400	23.2	12.9	37	22.8	12.8	37	.4	.2	28
Transportation by air .....	4500	57.9	33.0	14	57.2	32.5	15	.8	.5	7
Pipe lines, except natural gas .....	4600	.8	.3	24	.8	.3	24	-	-	-
Transportation services .....	4700	9.0	5.1	17	8.9	5.0	17	-	-	-
Communication .....	4800	33.7	18.0	17	32.6	17.7	17	1.1	.3	17
Electric, gas, and sanitary services .....	4900	65.2	32.2	16	63.5	31.8	16	1.7	.4	17

See footnotes at end of table.



**Table 6. Number of occupational injuries and illnesses by industry, 1984—Continued**

Industry <sup>1</sup>	SIC code <sup>2</sup>	Injuries and illnesses			Injuries			Illnesses		
		Total cases (thousands)	Lost workday cases (thousands)	Average lost workdays per lost workday case	Total cases (thousands)	Lost workday cases (thousands)	Average lost workdays per lost workday case	Total cases (thousands)	Lost workday cases (thousands)	Average lost workdays per lost workday case
Wholesale and retail trade .....		1,314.5	579.1	15	1,302.9	574.3	15	11.5	4.8	19
Wholesale trade .....		379.8	181.1	16	374.9	179.3	16	4.9	1.8	22
Wholesale trade-durable goods .....	5000	210.5	92.5	15	207.7	91.5	15	2.8	.9	29
Wholesale trade-nondurable goods .....	5100	169.3	88.6	17	167.2	87.8	17	2.1	.9	13
Retail trade .....		934.7	398.0	15	928.0	395.0	15	6.7	3.0	18
Building materials and garden supplies .....	5200	57.5	26.6	15	57.1	26.4	15	.4	.2	23
General merchandise stores .....	5300	155.6	65.9	15	154.9	65.4	15	.7	.5	28
Food stores .....	5400	213.3	97.0	18	212.7	96.7	17	.5	.3	29
Automotive dealers and service stations .....	5500	117.8	46.1	17	116.8	45.7	17	1.1	.5	16
Apparel and accessory stores .....	5600	19.9	8.1	17	19.8	8.1	17	.1	-	-
Furniture and home furnishing stores .....	5700	25.1	12.5	18	24.8	12.4	17	.4	.1	50
Eating and drinking places .....	5800	281.4	109.9	11	278.4	108.7	11	3.0	1.2	6
Miscellaneous retail .....	5900	64.1	31.9	18	63.6	31.7	18	.5	-	-
Finance, insurance, and real estate .....		98.6	45.1	15	96.7	44.3	15	1.9	.8	27
Banking .....	6000	24.3	10.5	16	23.9	10.3	15	.4	.2	22
Credit agencies other than banks .....	6100	8.8	3.7	14	8.6	3.6	13	.1	.1	29
Security, commodity brokers and services .....	6200	2.3	1.0	14	2.3	1.0	14	( <sup>4</sup> )	( <sup>4</sup> )	50
Insurance carriers .....	6300	19.1	8.5	16	18.7	8.3	15	.4	.3	32
Insurance agents, brokers and service .....	6400	3.5	1.3	18	3.4	1.2	16	.1	( <sup>4</sup> )	60
Real estate .....	6500	38.7	19.3	15	37.9	19.0	15	.7	-	-
Combined real estate, insurance, etc. ....	6600	.1	( <sup>4</sup> )	27	.1	( <sup>4</sup> )	27	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )
Services .....		820.5	393.9	17	798.1	385.8	17	22.4	8.1	16
Hotels and other lodging places .....	7000	93.7	39.2	15	92.3	38.8	15	1.4	.5	13
Personal services .....	7200	21.9	11.1	17	21.4	10.9	17	.5	-	-
Business services .....	7300	158.8	73.3	17	155.0	71.7	18	3.8	1.5	9
Auto repair, services, and garages .....	7500	42.6	19.7	17	42.2	19.6	17	.4	.1	14
Miscellaneous repair services .....	7600	23.3	11.4	17	23.1	11.2	17	.3	.2	13
Motion pictures .....	7800	6.7	2.8	18	6.4	2.7	18	.3	.1	16
Amusement and recreation services .....	7900	47.0	20.4	13	45.9	19.9	13	1.1	.5	10
Health services .....	8000	302.5	161.5	17	291.2	157.9	17	11.3	3.6	17
Legal services .....	8100	2.7	1.3	23	2.6	1.2	20	.2	.1	56
Educational services .....	8200	28.6	11.5	16	27.8	11.3	16	.7	.2	17
Social services .....	8300	49.6	23.5	15	48.6	23.1	15	1.0	.4	13
Museums, botanical, zoological gardens .....	8400	2.0	.9	15	2.0	.9	14	.1	( <sup>4</sup> )	19
Miscellaneous services .....	8900	15.1	6.7	14	14.5	6.5	14	.6	.2	20

<sup>1</sup> Industry division totals include data for industries not shown separately.

<sup>2</sup> *Standard Industrial Classification Manual, 1972 Edition, 1977 Supplement.*

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

<sup>4</sup> Estimates of fewer than 50 cases.

<sup>5</sup> Data conforming to OSHA definitions for employers in the railroad industry and for mining operators in coal, metal, and nonmetal mining were

provided to BLS by the Federal Railroad Administration, U.S. Department of Transportation and the Mine Safety and Health Administration, U.S. Department of Labor. Independent mining contractors are excluded from the coal, metal, and nonmetal mining industries.

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.

**Table 7. Occupational illness incidence rates by industry and category of illness, 1984**

Industry <sup>1</sup>	SIC code <sup>2</sup>	Incidence rates per 10,000 full-time workers <sup>3</sup>							
		Total cases	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 <sup>4</sup> .....		18.4	6.3	0.3	1.6	0.7	1.3	5.1	3.2
Agriculture, forestry, and fishing <sup>4</sup> .....		43.8	28.5	.4	1.5	3.3	3.2	1.5	5.3
Agricultural production <sup>4</sup> .....	01-02	49.2	33.4	-	2.2	3.4	3.1	1.2	5.6
Agricultural services .....	0700	37.6	23.0	.6	-	3.2	3.7	1.3	5.0
Forestry .....	0800	61.5	35.1	( <sup>5</sup> )	( <sup>5</sup> )	-	*1.4	16.5	-
Fishing, hunting, and trapping .....	0900	7.5	5.0	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	-
Mining <sup>6</sup> .....		13.0	4.0	1.7	.9	.8	1.6	1.2	2.8
Metal mining <sup>6</sup> .....	1000	14.1	*.7	1.2	*.2	2.4	*.7	8.5	*.5
Anthracite mining <sup>6</sup> .....	1100	8.6	( <sup>5</sup> )	*8.6	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
Bituminous coal and lignite mining <sup>6</sup> .....	1200	10.6	.2	7.6	( <sup>5</sup> )	1.3	.1	1.2	.1
Oil and gas extraction .....	1300	15.1	*5.9	.2	1.4	-	*2.3	.5	*4.3
Nonmetallic minerals, except fuels <sup>6</sup> .....	1400	6.0	1.5	.8	*.1	.8	.5	2.2	( <sup>5</sup> )
Construction .....		16.3	6.6	.5	1.8	1.1	1.6	1.0	3.7
General building contractors .....	1500	14.4	5.1	.5	3.0	1.3	1.1	.6	2.9
Residential building construction .....	1520	12.9	4.9	.8	1.9	1.8	-	-	2.8
Operative builders .....	1530	12.3	5.6	( <sup>5</sup> )	-	-	*.8	1.3	3.5
Nonresidential building construction .....	1540	16.2	5.1	-	4.3	-	2.0	-	3.0
Heavy construction contractors .....	1600	22.3	12.4	.7	1.7	-	1.9	1.2	3.7
Highway and street construction .....	1610	10.6	5.2	-	.6	-	1.3	-	2.4
Heavy construction, except highway .....	1620	27.6	15.7	.9	2.2	-	2.2	1.6	4.2
Special trade contractors .....	1700	15.1	5.2	.4	1.3	1.1	1.8	1.1	4.0
Plumbing, heating, air conditioning .....	1710	15.0	4.9	-	1.7	1.7	2.0	-	4.0
Painting, paper hanging, decorating .....	1720	19.1	6.8	( <sup>5</sup> )	3.0	-	*.3	-	-
Electrical work .....	1730	9.6	3.6	-	1.1	-	-	-	-
Masonry, stonework, and plastering .....	1740	15.6	5.2	-	-	-	-	-	5.4
Carpentering and flooring .....	1750	11.2	-	( <sup>5</sup> )	-	-	-	4.7	-
Roofing and sheet metal work .....	1760	16.8	4.0	-	-	-	4.4	-	6.7
Concrete work .....	1770	18.2	10.1	-	-	-	-	-	4.4
Water well drilling .....	1780	16.4	5.9	( <sup>5</sup> )	3.9	( <sup>5</sup> )	-	( <sup>5</sup> )	-
Miscellaneous special trade contractors .....	1790	19.0	7.1	-	1.5	-	-	-	4.2
Manufacturing .....		38.5	12.3	.5	2.9	1.0	2.5	16.6	2.7
Durable goods .....		38.6	13.3	.4	3.3	.9	3.1	15.0	2.5
Lumber and wood products .....	2400	27.1	7.7	.4	.9	.4	1.9	13.4	2.4
Logging camps and logging contractors .....	2410	28.0	8.9	( <sup>5</sup> )	( <sup>5</sup> )	*.1	2.5	11.0	5.4
Sawmills and planing mills .....	2420	30.4	5.3	.4	.7	.7	1.0	20.4	1.8
Millwork, plywood and structural members .....	2430	27.4	9.0	.6	1.1	.3	1.0	13.8	1.6
Wood containers .....	2440	7.8	2.9	-	*.3	*.3	*.3	2.3	1.6
Wood buildings and mobile homes .....	2450	34.7	8.2	*.4	3.3	( <sup>5</sup> )	8.2	9.3	5.2
Miscellaneous wood products .....	2490	19.2	10.5	( <sup>5</sup> )	*.4	.7	1.2	5.2	1.2
Furniture and fixtures .....	2500	33.6	8.0	.2	1.5	-	1.4	19.4	2.5
Household furniture .....	2510	25.8	7.9	*.1	1.5	-	1.2	12.0	2.2
Office furniture .....	2520	90.0	10.7	-	-	-	1.6	72.7	4.0
Public building and related furniture .....	2530	33.4	11.0	*.4	4.3	*.4	3.9	12.6	*.8
Partitions and fixtures .....	2540	12.5	4.5	*.2	*.5	*.5	1.6	4.7	-
Miscellaneous furniture and fixtures .....	2590	33.6	7.9	( <sup>5</sup> )	3.7	*.6	*.9	13.4	7.0

See footnotes at end of table.

**Table 7. Occupational illness incidence rates by industry and category of illness, 1984—Continued**

Industry <sup>1</sup>	SIC code <sup>2</sup>	Incidence rates per 10,000 full-time workers <sup>3</sup>							
		Total cases	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
Stone, clay, and glass products .....	3200	30.5	11.7	0.6	0.7	1.0	1.6	10.4	4.4
Flat glass .....	3210	*2.4	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	*2.4	( <sup>5</sup> )
Glass and glassware, pressed or blown .....	3220	36.8	7.3	*.1	*.2	*.1	2.6	18.4	8.1
Products of purchased glass .....	3230	38.6	9.5	*.2	*.4	2.5	-	22.0	-
Cement, hydraulic .....	3240	6.6	*.8	( <sup>5</sup> )	*.8	( <sup>5</sup> )	( <sup>5</sup> )	2.5	2.5
Structural clay products .....	3250	20.6	5.5	*.8	*.8	( <sup>5</sup> )	1.6	11.3	-
Pottery and related products .....	3260	57.3	18.9	*.5	3.5	*.3	2.1	30.1	1.9
Concrete, gypsum, and plaster products .....	3270	22.4	12.4	-	-	.7	1.9	1.5	5.3
Cut stone and stone products .....	3280	13.0	9.3	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	*1.9	( <sup>5</sup> )	-
Miscellaneous nonmetallic mineral products .....	3290	40.6	18.7	2.0	.9	2.5	1.1	11.4	3.9
Primary metal industries .....	3300	28.8	7.5	1.2	3.4	1.5	4.1	9.2	1.9
Blast furnace and basic steel products .....	3310	20.1	5.0	2.2	1.1	.9	4.6	4.7	1.7
Iron and steel foundries .....	3320	37.2	8.8	1.5	2.8	.7	8.0	14.0	1.3
Primary nonferrous metals .....	3330	25.8	1.4	*.2	6.7	*.2	2.2	14.5	-
Secondary nonferrous metals .....	3340	67.0	8.6	*1.0	11.7	-	11.2	4.6	9.6
Nonferrous rolling and drawing .....	3350	25.8	7.4	-	-	.9	1.6	8.4	1.8
Nonferrous foundries .....	3360	45.4	15.7	*.1	-	.9	1.7	19.8	2.3
Miscellaneous primary metal products .....	3390	37.0	18.7	*.4	2.0	7.7	*1.6	2.4	4.1
Fabricated metal products .....	3400	47.9	17.7	.2	3.1	1.0	4.0	18.5	3.4
Metal cans and shipping containers .....	3410	20.6	9.7	( <sup>5</sup> )	1.6	1.0	*.2	7.4	*.7
Cutlery, hand tools, and hardware .....	3420	83.2	27.3	( <sup>5</sup> )	3.8	-	2.6	46.5	1.8
Plumbing and heating, except electric .....	3430	48.4	13.9	*.2	5.6	*.7	2.8	24.4	-
Fabricated structural metal products .....	3440	30.6	5.5	.2	1.2	.6	7.5	11.0	4.6
Screw machine products, bolts, etc. ....	3450	49.8	40.5	*.3	2.0	*.4	-	2.7	2.0
Metal forgings and stampings .....	3460	52.4	14.7	-	4.0	-	3.9	25.3	2.5
Metal services, n.e.c. ....	3470	59.4	33.8	*.2	8.7	-	3.7	6.4	5.5
Ordnance and accessories, n.e.c. ....	3480	91.7	18.7	*.4	3.5	1.6	1.2	56.6	9.7
Miscellaneous fabricated metal products .....	3490	39.6	23.5	.3	2.6	.7	1.8	8.4	-
Machinery, except electrical .....	3500	37.1	14.5	.3	2.8	.5	3.0	13.6	2.3
Engines and turbines .....	3510	141.0	38.0	*.3	1.8	.4	2.4	88.2	9.9
Farm and garden machinery .....	3520	33.3	10.1	1.0	1.3	.7	5.8	12.9	1.4
Construction and related machinery .....	3530	32.6	12.5	-	-	.6	-	6.4	2.5
Metalworking machinery .....	3540	27.7	15.2	.2	1.2	-	2.4	6.2	2.1
Special industry machinery .....	3550	19.9	11.8	*.1	2.0	.9	1.1	1.8	2.0
General industrial machinery .....	3560	41.5	23.7	.4	1.8	.4	2.7	10.3	2.2
Office and computing machines .....	3570	23.1	5.1	.2	5.9	.4	.8	9.6	1.1
Refrigeration and service machinery .....	3580	59.7	18.6	*.1	4.7	.4	3.5	30.7	1.7
Miscellaneous machinery, except electrical .....	3590	27.9	15.2	.2	1.5	.4	2.8	5.1	-
Electric and electronic equipment .....	3600	44.3	14.4	.2	5.6	1.3	1.9	17.8	3.1
Electric distributing equipment .....	3610	44.6	11.4	*.2	1.1	*.4	1.7	28.6	1.3
Electrical industrial apparatus .....	3620	38.8	14.1	-	3.1	-	2.8	15.4	3.0
Household appliances .....	3630	134.9	15.4	*.1	3.0	3.5	3.4	100.4	9.1
Electric lighting and wiring equipment .....	3640	36.1	15.6	.3	.8	.3	2.3	15.5	1.3
Radio and TV receiving equipment .....	3650	40.8	10.2	*.1	3.0	-	1.0	22.4	3.7
Communication equipment .....	3660	22.5	6.2	.1	3.3	-	-	8.9	1.6
Electronic components and accessories .....	3670	51.3	23.8	.4	12.4	2.3	2.1	6.1	4.3
Miscellaneous electrical equipment and supplies .....	3690	33.9	9.9	*.1	1.5	.4	.9	19.2	2.0
Transportation equipment .....	3700	38.7	11.8	.8	3.0	.8	5.8	15.0	1.5
Motor vehicles and equipment .....	3710	39.4	10.6	.2	1.9	.8	3.4	21.4	1.1
Aircraft and parts .....	3720	25.8	13.8	.3	2.3	.3	1.5	6.1	1.3

See footnotes at end of table.

Table 7. Occupational illness incidence rates by industry and category of illness, 1984—Continued

Industry <sup>1</sup>	SIC code <sup>2</sup>	Incidence rates per 10,000 full-time workers <sup>3</sup>							
		Total cases	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
Ship and boat building and repairing .....	3730	97.3	16.1	5.7	10.0	2.4	34.0	25.4	3.7
Railroad equipment .....	3740	58.6	15.7	-	7.5	*.6	5.8	26.7	1.7
Motorcycles, bicycles, and parts .....	3750	64.1	7.0	( <sup>5</sup> )	*2.1	*1.4	5.6	48.1	( <sup>5</sup> )
Guided missiles, space vehicles, parts .....	3760	13.0	7.4	*.1	2.7	.3	1.0	.6	.8
Miscellaneous transportation equipment .....	3790	29.2	6.7	*.2	2.4	1.0	9.7	4.9	4.3
Instruments and related products .....	3800	32.6	12.5	-	4.5	1.1	-	11.8	1.3
Engineering and scientific instruments .....	3810	24.6	7.2	*.4	6.4	*.1	.8	8.0	1.8
Measuring and controlling devices .....	3820	31.9	10.9	.3	1.8	2.1	1.8	13.7	1.2
Optical instruments and lenses .....	3830	38.4	31.2	( <sup>5</sup> )	1.7	( <sup>5</sup> )	1.4	3.4	*.6
Medical instruments and supplies .....	3840	26.8	11.0	.3	-	-	.4	9.4	1.2
Ophthalmic goods .....	3850	87.0	47.3	( <sup>5</sup> )	7.3	*1.1	2.7	25.1	3.5
Photographic equipment and supplies .....	3860	26.2	5.7	( <sup>5</sup> )	9.4	( <sup>5</sup> )	*.3	10.0	.8
Watches, clocks, and watchcases .....	3870	52.6	6.5	( <sup>5</sup> )	12.3	*.7	*.7	31.7	*.7
Miscellaneous manufacturing industries .....	3900	49.9	25.8	.3	2.6	.5	1.4	15.9	3.4
Jewelry, silverware, and plated ware .....	3910	13.9	5.5	( <sup>5</sup> )	2.4	-	*.4	5.1	*.2
Musical instruments .....	3930	33.9	19.5	( <sup>5</sup> )	*1.3	( <sup>5</sup> )	( <sup>5</sup> )	6.5	6.5
Toys and sporting goods .....	3940	97.6	55.1	.6	3.8	-	3.2	28.9	5.2
Pens, pencils, office and art supplies .....	3950	55.6	15.4	( <sup>5</sup> )	6.5	( <sup>5</sup> )	*1.0	28.8	3.9
Costume jewelry and notions .....	3960	34.0	-	*.8	*.8	*1.1	-	*.8	8.8
Miscellaneous manufactures .....	3990	29.2	13.7	*.1	1.4	*.2	.9	11.7	1.2
Nondurable goods .....		38.4	10.6	.6	2.4	1.2	1.6	19.0	3.0
Food and kindred products .....	2000	93.3	16.7	.3	4.0	2.1	4.1	60.1	6.0
Meat products .....	2010	306.7	37.0	.6	7.4	1.5	10.5	235.3	14.4
Dairy products .....	2020	18.1	5.7	-	3.1	.6	1.5	5.0	2.0
Preserved fruits and vegetables .....	2030	56.3	19.7	-	6.2	1.9	4.9	18.1	5.4
Grain mill products .....	2040	23.3	9.6	-	1.7	.2	1.6	7.8	1.8
Bakery products .....	2050	16.0	2.5	.6	.6	( <sup>5</sup> )	1.0	10.2	1.0
Sugar and confectionery products .....	2060	17.1	6.4	( <sup>5</sup> )	.9	*.3	2.1	6.6	.8
Fats and oils .....	2070	12.8	5.9	( <sup>5</sup> )	*.8	1.6	*1.1	*.5	2.9
Beverages .....	2080	28.0	10.3	*.2	3.0	-	2.1	7.6	4.6
Miscellaneous foods and kindred products .....	2090	71.5	22.3	-	4.2	13.8	2.5	20.5	8.0
Tobacco manufactures .....	2100	9.3	3.1	*.5	*.5	1.5	1.2	1.0	1.5
Cigarettes .....	2110	6.6	1.5	*.7	( <sup>5</sup> )	2.2	*.5	*.5	1.2
Cigars .....	2120	10.0	*2.0	( <sup>5</sup> )	*6.0	( <sup>5</sup> )	( <sup>5</sup> )	*2.0	( <sup>5</sup> )
Chewing and smoking tobacco .....	2130	13.3	*8.0	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	*5.3	( <sup>5</sup> )	( <sup>5</sup> )
Tobacco stemming and redrying .....	2140	19.8	8.8	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	*3.3	*3.3	*4.4
Textile mill products .....	2200	18.0	8.3	.3	.9	-	.6	5.7	2.2
Weaving mills, cotton .....	2210	4.8	2.5	*.4	*.1	-	*.4	1.3	*.1
Weaving mills, synthetics .....	2220	4.6	3.8	*.2	-	-	( <sup>5</sup> )	*.2	( <sup>5</sup> )
Weaving and finishing mills, wool .....	2230	71.5	62.8	*.6	-	*.6	*.6	4.0	*2.3
Narrow fabric mills .....	2240	21.4	17.8	( <sup>5</sup> )	*1.4	-	*.5	*.9	( <sup>5</sup> )
Knitting mills .....	2250	24.0	5.0	.1	-	.2	.5	16.6	.7
Textile finishing, except wool .....	2260	37.9	15.3	( <sup>5</sup> )	2.0	*.2	1.4	1.8	17.3
Floor covering mills .....	2270	14.8	6.1	*.6	.9	( <sup>5</sup> )	-	-	*.4
Yarn and thread mills .....	2280	13.2	8.3	.8	*.4	*.1	.5	1.9	1.2
Miscellaneous textile goods .....	2290	18.9	12.5	( <sup>5</sup> )	2.9	( <sup>5</sup> )	1.1	*.7	1.6
Apparel and other textile products .....	2300	18.8	6.5	.2	.9	.7	.7	7.3	2.5
Men's and boys' suits and coats .....	2310	10.1	3.6	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	6.0	-
Men's and boys' furnishings .....	2320	24.3	5.8	.6	.4	.2	.7	14.9	1.8
Women's and misses' outerwear .....	2330	12.4	5.2	-	-	-	-	2.0	4.3
Women's and children's undergarments .....	2340	21.6	15.5	( <sup>5</sup> )	2.5	( <sup>5</sup> )	-	.9	-
Hats, caps, and millinery .....	2350	30.0	9.1	( <sup>5</sup> )	-	( <sup>5</sup> )	( <sup>5</sup> )	17.0	*.7
Children's outerwear .....	2360	10.2	5.7	( <sup>5</sup> )	-	( <sup>5</sup> )	1.4	1.2	-

See footnotes at end of table.

**Table 7. Occupational illness incidence rates by industry and category of illness, 1984—Continued**

Industry <sup>1</sup>	SIC code <sup>2</sup>	Incidence rates per 10,000 full-time workers <sup>3</sup>							
		Total cases	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
Miscellaneous apparel and accessories .....	2380	34.4	3.2	( <sup>5</sup> )	*1.0	16.7	*.7	9.8	2.9
Miscellaneous fabricated textile products .....	2390	21.7	8.0	*.1	2.2	( <sup>5</sup> )	1.2	8.4	1.8
Paper and allied products .....	2600	17.8	4.7	0.2	1.9	1.4	1.0	7.5	1.1
Pulp mills .....	2610	17.3	3.7	( <sup>5</sup> )	5.0	*1.9	*1.2	5.6	( <sup>5</sup> )
Paper mills, except building paper .....	2620	18.6	5.2	*.1	3.8	*.1	.7	8.2	.4
Paperboard mills .....	2630	10.4	2.7	( <sup>5</sup> )	4.7	( <sup>5</sup> )	*.7	.8	1.5
Miscellaneous converted paper products .....	2640	22.3	5.1	.3	.5	-	1.5	9.8	1.4
Paperboard containers and boxes .....	2650	14.3	4.3	-	-	.5	.8	6.9	1.2
Building paper and board mills .....	2660	14.6	7.3	( <sup>5</sup> )	7.3	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
Printing and publishing .....	2700	11.9	3.4	.2	.8	.2	.5	5.8	1.0
Newspapers .....	2710	8.3	2.1	.7	-	-	.3	3.5	.8
Periodicals .....	2720	13.9	2.2	( <sup>5</sup> )	1.1	*.4	.8	9.0	*.3
Books .....	2730	10.6	2.6	*.1	*.1	( <sup>5</sup> )	.8	4.5	2.6
Miscellaneous publishing .....	2740	15.1	-	( <sup>5</sup> )	*.2	*.2	*.2	11.3	1.1
Commercial printing .....	2750	14.3	4.4	*.1	1.3	-	.5	6.8	-
Manifold business forms .....	2760	10.7	4.6	( <sup>5</sup> )	*.2	*.9	*.7	3.5	-
Greeting card publishing .....	2770	12.8	*.8	( <sup>5</sup> )	*1.2	( <sup>5</sup> )	*1.7	9.1	( <sup>5</sup> )
Blankbooks and bookbinding .....	2780	17.8	7.7	( <sup>5</sup> )	-	-	*.3	8.4	*.5
Printing trade services .....	2790	4.5	3.8	( <sup>5</sup> )	*.5	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	*.2
Chemicals and allied products .....	2800	26.2	12.6	2.2	3.6	.6	1.2	2.9	3.1
Industrial inorganic chemicals .....	2810	13.9	5.5	.4	5.0	-	.5	-	-
Plastics materials and synthetics .....	2820	30.5	17.6	4.4	2.3	-	-	-	1.9
Drugs .....	2830	35.3	11.9	*.2	5.4	.6	1.3	7.3	-
Soap, cleaners, and toilet goods .....	2840	24.2	10.1	*.1	3.6	*.1	1.2	6.1	3.0
Paints and allied products .....	2850	18.6	13.7	( <sup>5</sup> )	2.1	( <sup>5</sup> )	1.0	( <sup>5</sup> )	1.8
Industrial organic chemicals .....	2860	19.7	7.9	6.3	2.2	1.1	.7	.7	.8
Agricultural chemicals .....	2870	39.0	23.8	-	-	1.0	*.2	-	-
Miscellaneous chemical products .....	2890	28.3	19.1	*.1	2.5	.8	1.1	2.7	-
Petroleum and coal products .....	2900	15.4	4.6	3.7	2.6	-	1.5	.9	1.7
Petroleum refining .....	2910	15.3	3.0	4.6	2.9	-	1.7	1.2	1.4
Paving and roofing materials .....	2950	14.8	10.5	( <sup>5</sup> )	-	( <sup>5</sup> )	-	( <sup>5</sup> )	-
Miscellaneous petroleum and coal products .....	2990	18.6	11.1	( <sup>5</sup> )	*2.8	*2.8	*.9	( <sup>5</sup> )	*.9
Rubber and miscellaneous plastics products .....	3000	49.4	18.6	.4	4.0	3.0	1.6	18.2	3.6
Tires and inner tubes .....	3010	13.5	5.4	( <sup>5</sup> )	.6	*.2	*.2	6.4	.6
Rubber and plastics footwear .....	3020	126.6	27.8	( <sup>5</sup> )	8.1	( <sup>5</sup> )	*.7	88.7	*1.4
Reclaimed rubber .....	3030	*14.5	*14.5	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
Rubber and plastics hose and belting .....	3040	93.4	19.6	*.5	2.4	*1.9	*1.0	64.2	3.8
Fabricated rubber products, n.e.c. ....	3060	50.5	20.9	1.1	6.6	1.4	3.0	12.7	4.8
Miscellaneous plastics products .....	3070	52.0	20.2	.3	4.0	4.0	1.7	17.8	4.0
Leather and leather products .....	3100	75.4	27.4	.5	1.2	.3	1.6	40.2	4.2
Leather tanning and finishing .....	3110	146.5	108.8	3.7	4.3	*2.5	12.4	10.5	-
Boot and shoe cut stock and findings .....	3130	36.8	17.8	*1.3	*3.8	( <sup>5</sup> )	( <sup>5</sup> )	14.0	( <sup>5</sup> )
Footwear, except rubber .....	3140	93.7	25.2	*.1	.7	*.1	.7	61.7	5.2
Leather gloves and mittens .....	3150	*7.1	*3.5	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	*3.5	( <sup>5</sup> )
Luggage .....	3160	18.7	*1.6	( <sup>5</sup> )	-	( <sup>5</sup> )	*.8	9.8	4.9
Handbags and personal leather goods .....	3170	17.7	4.4	*.4	*.4	( <sup>5</sup> )	( <sup>5</sup> )	9.7	2.7
Leather goods, nec. ....	3190	12.9	12.9	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
Transportation and public utilities .....		11.8	4.3	.2	1.4	.9	1.5	1.5	1.9
Wholesale and retail trade .....		6.5	2.1	.1	.7	.4	.5	.6	2.1
Wholesale trade .....		9.3	3.2	-	1.2	.7	.8	1.2	1.9
Retail trade .....		5.4	1.7	( <sup>5</sup> )	.5	.2	.4	.4	2.2
Finance, insurance, and real estate .....		3.7	1.1	-	.5	.1	-	.3	1.4

See footnotes at end of table.

**Table 7. Occupational illness incidence rates by industry and category of illness, 1984—Continued**

Industry <sup>1</sup>	SIC code <sup>2</sup>	Incidence rates per 10,000 full-time workers <sup>3</sup>							
		Total cases	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
Services .....		14.1	5.0	0.1	1.3	0.5	1.0	0.6	5.6

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

<sup>5</sup> Incidence rates less than .05.

<sup>2</sup> *Standard Industrial Classification Manual, 1972 Edition, 1977 Supplement.*

<sup>3</sup> Incidence rates represent the number of illnesses per 10,000 full-time workers and were calculated as: (N/EH) X 20,000,000 where,

<sup>6</sup> Data conforming to OSHA definitions for employers in the railroad industry and for mining operators in coal, metal, and nonmetal mining were provided by the Federal Railroad Administration, U.S. Department of Transportation and the Mine Safety and Health Administration, U.S. Department of Labor. Independent mining contractors are excluded from the coal, metal, and nonmetal mining industries.

N = number of illnesses  
 EH = total hours worked by all employees during the calendar year  
 20,000,000 = base for 10,000 full-time workers (working 40 hours per week, 50 weeks per year).

NOTE: Dashes indicate data that do not meet publication guidelines. Because of rounding the components may add to a sum greater than the total. Asterisks indicate publishable data for estimates of 1 to 4 cases.

n.e.c. = not elsewhere classified.

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

**Table 8. Number of occupational illnesses by industry division and category of illness, 1984**

(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 <sup>1</sup> .....	124.6	42.5	1.8	10.6	4.5	9.0	34.7	21.4
Agriculture, forestry, and fishing <sup>1</sup> .....	3.4	2.2	( <sup>2</sup> )	.1	.3	.3	.1	.4
Mining .....	1.3	.4	.2	.1	.1	.2	.1	.3
Construction .....	6.1	2.5	.2	.7	.4	.6	.4	1.4
Manufacturing .....	72.3	23.0	1.0	5.5	1.9	4.7	31.1	5.1
Transportation and public utilities .....	5.8	2.1	.1	.7	.4	.7	.8	.9
Wholesale and retail trade .....	11.5	3.8	.1	1.2	.6	.9	1.1	3.7
Wholesale trade .....	4.9	1.7	.1	.6	.4	.4	.7	1.0
Retail trade .....	6.7	2.1	( <sup>2</sup> )	.6	.3	.5	.5	2.7
Finance, insurance, and real estate .....	1.9	.6	( <sup>2</sup> )	.2	.1	.1	.1	.7
Services .....	22.4	8.0	.1	2.1	.8	1.5	.9	8.9

<sup>1</sup> Excludes farms with fewer than 11 employees.

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

<sup>2</sup> Fewer than 50 cases.

**Table 9. Employment and occupational injury and illness fatalities for employers with 11 employees or more by industry division, 1983 and 1984**

Industry division	Annual average employment				Fatalities			
	1983		1984		1983		1984	
	Number (thousands)	Percent	Number (thousands)	Percent	Number	Percent	Number	Percent
Private sector <sup>1</sup> .....	63,981	100	68,008	100	3,100	100	3,740	100
Agriculture, forestry, and fishing .....	755	1	796	1	80	3	110	3
Mining .....	864	1	895	1	240	8	370	10
Construction .....	2,916	5	3,272	5	670	22	660	18
Manufacturing .....	17,887	28	18,849	28	730	24	800	21
Transportation and public utilities .....	4,566	7	4,830	7	570	18	770	21
Wholesale and retail trade .....	16,790	26	18,001	26	440	14	440	12
Finance, insurance, and real estate .....	4,510	7	4,684	7	70	2	80	2
Services .....	15,694	25	16,682	25	310	10	510	14

<sup>1</sup> Employment is expressed as an annual average and is derived primarily from the BLS-State Current Employment Statistics program. Employment and fatality estimates have been adjusted based on data provided by the Annual Survey of Occupational Injuries and Illnesses to exclude

establishments with fewer than 11 employees.

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

**Table 10. Distribution of fatalities by cause: Occupational injury and illness fatalities for employers with 11 employees or more, average 1983-84<sup>1</sup>**

(In percent)

Cause <sup>2</sup>	Total private sector <sup>3</sup>	Agriculture, forestry, and fishing	Mining--oil and gas extraction only	Construction	Manufacturing	Transportation and public utilities <sup>4</sup>	Wholesale and retail trade	Finance, insurance, and real estate	Services
Total all causes .....	100	100	100	100	100	100	100	100	100
Highway vehicles .....	27	30	18	20	19	42	38	51	23
Heart attacks .....	12	13	9	12	11	10	8	25	20
Industrial vehicles or equipment .....	11	19	19	15	12	8	13	5	2
Falls .....	11	8	8	23	8	5	9	7	9
Electrocutions .....	10	7	3	14	9	7	7	4	16
Assaults .....	4	1	0	1	2	3	10	4	12
Struck by objects other than vehicles or equipment .....	4	6	15	3	7	2	2	0	1
Caught in, under, or between objects other than vehicles or equipment .....	4	3	2	3	7	3	3	0	2
Explosions .....	4	2	9	2	8	2	4	0	1
Aircraft crashes .....	3	2	2	1	4	4	3	3	5
Gas inhalation .....	3	1	8	1	3	8	0	0	1
Plant machinery operations .....	2	1	0	( <sup>5</sup> )	6	1	2	0	( <sup>5</sup> )
Fires .....	1	1	3	2	2	( <sup>5</sup> )	1	0	( <sup>5</sup> )
All other .....	4	5	5	4	3	5	1	1	9

<sup>1</sup> It is difficult to estimate year-to-year changes for the causal categories precisely because sampling errors are large at the industry division level. Therefore, the results are an average for the 2 years rather than a comparison between them.

<sup>2</sup> Cause is defined as the object or event associated with the fatality.

<sup>3</sup> Excludes coal, metal and nonmetal mining, and railroads, for which data

are not available.

<sup>4</sup> Excluded railroads.

<sup>5</sup> Less than 1 percent.

NOTE: Because of rounding, percentages may not add to 100.



**Table 11. Distribution of fatalities by industry division: Occupational injury and illness fatalities for employers with 11 employees or more, average 1983-84<sup>1</sup>**

(In percent)

Cause <sup>2</sup>	Total private sector <sup>3</sup>	Agriculture, forestry, and fishing	Mining--oil and gas extraction only	Construction	Manufacturing	Transportation and public utilities <sup>4</sup>	Wholesale and retail trade	Finance, insurance, and real estate	Services
Total all causes .....	100	3	5	20	25	19	14	1	13
Highway vehicles .....	100	3	4	15	17	29	19	3	11
Heart attacks .....	100	3	4	20	24	16	9	3	21
Industrial vehicles or equipment .....	100	5	9	28	27	13	16	1	2
Falls .....	100	2	3	44	17	10	12	1	11
Electrocutions .....	100	2	2	29	23	14	9	1	21
Assaults .....	100	1	0	4	12	14	33	1	35
Struck by objects other than vehicles or equipment .....	100	5	20	14	41	11	6	0	3
Caught in, under, or between objects other than vehicles or equipment .....	100	3	3	18	45	16	10	0	5
Explosions .....	100	2	13	10	51	9	13	0	3
Aircraft crashes .....	100	2	4	5	27	27	15	1	19
Gas inhalation .....	100	1	15	6	23	53	0	0	3
Plant machinery operations .....	100	1	0	3	74	7	12	0	3
Fires .....	100	3	12	25	48	3	8	0	2
All other .....	100	4	6	18	19	25	3	( <sup>5</sup> )	25

<sup>1</sup> It is difficult to estimate year-to-year changes for the causal categories precisely because sampling errors are large at the industry division level. Therefore, the results are an average for the 2 years rather than a comparison between them.

<sup>2</sup> Cause is defined as the object or event associated with the fatality.

<sup>3</sup> Excludes coal, metal and nonmetal mining, and railroads, for which data

are not available.

<sup>4</sup> Excluded railroads.

<sup>5</sup> Less than 1 percent.

NOTE: Because of rounding, percentages may not add to 100.

# Appendix A. Scope and Method of Survey

## Scope

The occupational injury and illness data reported through the annual survey are based on records which employers in the following 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 are 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.

Data conforming to definitions of recordable occupational injuries and illnesses for coal, metal, and nonmetal mining, and railroad transportation are provided by the Mine Safety and Health Administration, Department of Labor, and the Federal Railroad Administration, Department of Transportation.

The Occupational Safety and Health Administration is responsible for the collection and compilation of comparable data for Federal agencies. Although State and local government agencies are not surveyed for national estimates, several States have legislation which enables them to collect data for this sector.

The 1984 survey sample was composed of approximately 280,000 sample units. Original and follow-up mailings resulted in a response rate of 94 percent.

## Sample

Because the survey is a Federal-State cooperative program and the data must meet the needs of participating State agencies, an independent sample is selected for each State. The sample is selected to represent all private industries in the States and territories. The sample size for the survey is dependent upon (1) the characteristics for which estimates are needed, (2) the industries for which estimates are desired, (3) the characteristics of the population being sampled, (4) the target reliability of the estimates, and (5) the survey design employed.

While there are many characteristics upon which the sample design could be based, the total recorded case incidence rate is used because it is one of the most important characteristics and the least variable; therefore, it requires the smallest sample size.

The salient features of the sample design employed are its use of stratified random sampling with a

Neyman allocation and a ratio estimator. The characteristics used to stratify the establishments are the Standard Industrial Classification (SIC) code and employment. Since these characteristics are highly correlated with an establishment's number and rate of recorded injuries and illnesses, stratified sampling provides greater precision and, thus, results in a smaller sample size. The Neyman allocation produces the minimum sample size which will provide an estimate with a given sampling variance. For the larger employment size classes, the allocation procedure places all of the establishments of the frame in the sample; as employment decreases, smaller and smaller proportions of establishments are included in the sample. The certainty strata are usually the size groups with more than 100 employees. The precision of the sample is further improved, hence permitting a reduction in sample size, by using the ratio estimator which in turn uses employment data that are correlated with the characteristics which are to be measured.

The sample is designed to produce data at the 2-digit SIC industry level in agriculture, forestry, and fishing; the 3-digit level in oil and gas extraction; construction; transportation and public utilities; wholesale and retail trade; finance, insurance, and real estate; services; and the 4-digit level in manufacturing.

## Estimating procedures

*Weighting.* By means of a weighting procedure, sample units are made to represent all units in their size class for a particular industry. The weight is determined by the inverse of the sampling ratio for the industry/employment-size class from which the unit was selected. Because a small proportion of survey forms are not returned, weights of responding employers in a sampling cell are adjusted to account for the nonrespondents. The respondents are then shifted into the estimating cell determined by the employment and business activity reported. Data for each unit are multiplied by the appropriate weight and nonresponse adjustment factor. The products are then aggregated to obtain a total for the estimating cell.

*Benchmarking.* Since the universe file which provides the sample frame is not current to the reference year of the survey, it is necessary to adjust the data to reflect current employment levels. In the annual survey, all estimates of totals are adjusted by the benchmark factor

at the estimating cell level. The benchmarking procedure requires a source of accurate employment data which can be converted into annual average employment figures for the cell level in which separate estimates are desired. Because industry/employment size data are required for national estimates, benchmark factors are calculated using both industry level employment data and size class level employment data. The benchmark factors are applied to the size class "blow up" estimates.

### **Federal-State cooperation**

To eliminate duplicate reporting by respondents and to insure maximum comparability of estimates, survey respondents complete a single reporting form which is then used for national and State estimates.

### **Industrial classification**

Reporting units are classified into industries by their principal product or activity. The data are tabulated according to the 1972 edition of the *Standard Industrial Classification Manual, 1977 Supplement*.

### **Reliability of estimates**

All estimates derived from a sample survey are subject to sampling and nonsampling errors. Sampling errors occur because observations are made on a sample, not on the entire population. Estimates based on the different possible samples of the same size and sample design could differ. The relative standard errors, which are a measure of the sampling error in the estimates, are calculated as part of the survey's estimation process.

When applied to the estimates, the sampling error serves to define the confidence interval or range 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.

As an example of the use of relative standard errors, the total case incidence rate for general building contractors (SIC 15) is 15.4 per 100 full-time workers, with a

sampling error of 2 percent. The chances are 2 out of 3 that a complete census would produce a rate between 15.7 and 15.1, and the chances are 19 out of 20 that the rate produced from a complete count would be between 16.2 and 14.8. Similarly, the number of occupational injuries and illnesses estimated for SIC 15 was 150,780 with a relative error of 2 percent. Thus, the chances are 2 out of 3 that a census would show a number between 153,800 and 147,800 and 19 out of 20 that the number would be within range of 156,800 and 144,700.

Nonsampling errors in the estimates can be attributed to many sources, e.g., inability to obtain information about all cases in the sample, mistakes in recording or coding the data, definitional difficulties, etc. To minimize the nonsampling errors in the estimates, the completed forms are edited and apparent inconsistencies are checked.

### **Publication guidelines**

The estimating procedure generates occupational injury and illness estimates for approximately 835 SIC codes. This publication, however, excludes estimates for several industry codes if one of the following situations occurred:

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

2. 1984 annual average employment for the industry was less than 10,000. However, an industry with an annual average employment of less than 10,000 was published if the majority of the employment was reported in the survey.

3. The relative standard error on total cases for the industry at 1 standard error was more than 15 percent in manufacturing and 20 percent in nonmanufacturing.

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

Data for an unpublished industry were included in the total for the broader industry level of which it is a part. Also, selected items of data were suppressed for publishable industries if the sampling error for the estimate equaled or exceeded 60 percent.

**Table A-1. Relative standard errors for measures of occupational injuries and illnesses and occupational injuries by industry, 1984**

Industry	SIC code <sup>1</sup>	Relative standard error (percent) <sup>2</sup>							
		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 .....		( <sup>a</sup> )	1	1	1	( <sup>a</sup> )	1	1	1
Agriculture, forestry, and fishing .....		2	2	2	3	2	2	2	3
Agricultural production .....	01-02	3	3	3	4	3	3	3	4
Agricultural services .....	0700	3	3	4	5	3	3	4	6
Forestry .....	0800	7	8	7	13	7	8	8	13
Fishing, hunting, and trapping .....	0900	11	13	17	17	11	13	17	18
Mining .....		3	3	4	4	3	3	4	4
Oil and gas extraction .....	1300	3	4	4	5	3	4	4	5
Crude petroleum and natural gas .....	1310	9	12	10	23	9	12	10	23
Natural gas liquids .....	1320	7	13	7	18	8	13	8	18
Oil and gas field services .....	1380	4	4	4	5	4	4	4	5
Construction .....		1	1	1	2	1	1	1	2
General building contractors .....	1500	2	2	2	3	2	2	2	3
Residential building construction .....	1520	3	3	4	6	3	3	4	6
Operative builders .....	1530	5	6	6	9	5	6	6	9
Nonresidential building construction .....	1540	2	3	3	5	2	3	3	5
Heavy construction contractors .....	1600	2	3	3	4	2	3	3	4
Highway and street construction .....	1610	3	3	4	5	3	3	4	5
Heavy construction, except highway .....	1620	3	4	4	6	3	4	4	6
Special trade contractors .....	1700	1	1	1	2	1	1	1	2
Plumbing, heating, air conditioning .....	1710	2	3	2	5	2	3	2	5
Painting, paper hanging, decorating .....	1720	5	6	7	9	5	6	7	10
Electrical work .....	1730	2	3	3	6	2	3	3	6
Masonry, stonework, and plastering .....	1740	3	4	4	6	3	4	4	6
Carpentering and flooring .....	1750	5	6	7	9	5	6	7	9
Roofing and sheet metal work .....	1760	3	4	4	5	3	4	4	5
Concrete work .....	1770	5	6	6	8	5	6	6	8
Water well drilling .....	1780	6	7	9	13	6	7	9	13
Miscellaneous special trade contractors .....	1790	3	3	4	6	3	4	4	6
Manufacturing .....		( <sup>a</sup> )	( <sup>a</sup> )	( <sup>a</sup> )	1	( <sup>a</sup> )	( <sup>a</sup> )	( <sup>a</sup> )	1
Durable goods .....		( <sup>a</sup> )	( <sup>a</sup> )	1	1	( <sup>a</sup> )	( <sup>a</sup> )	1	1
Lumber and wood products .....	2400	1	1	1	2	1	1	1	2
Logging camps and logging contractors .....	2410	4	4	5	6	4	4	5	6
Sawmills and planing mills .....	2420	2	2	2	4	2	2	2	4
Sawmills and planing mills, general .....	2421	2	3	3	4	2	3	3	4
Hardwood dimension and flooring .....	2426	3	4	3	6	3	4	3	6
Millwork, plywood and structural members .....	2430	2	2	2	2	2	2	2	2
Millwork .....	2431	3	3	3	3	3	3	3	3
Wood kitchen cabinets .....	2434	3	3	4	7	3	3	4	7
Hardwood veneer and plywood .....	2435	3	3	3	3	3	3	3	3
Softwood veneer and plywood .....	2436	3	3	5	3	3	3	5	3
Structural wood members, n.e.c. ....	2439	5	6	7	7	5	6	7	7
Wood containers .....	2440	3	3	4	6	3	3	4	6
Nailed wood boxes and shook .....	2441	5	5	6	5	5	5	6	5
Wood pallets and skids .....	2448	4	5	5	7	4	5	5	7
Wood containers, n.e.c. ....	2449	4	5	6	11	4	5	6	11
Wood buildings and mobile homes .....	2450	2	2	3	4	2	2	3	4
Mobile homes .....	2451	3	3	3	3	3	3	3	3

See footnotes at end of table.

**Table A-1. Relative standard errors for measures of occupational injuries and illnesses and occupational injuries by industry, 1984—Continued**

Industry	SIC code <sup>1</sup>	Relative standard error (percent) <sup>2</sup>							
		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
Prefabricated wood buildings .....	2452	3	4	4	10	3	4	4	10
Miscellaneous wood products .....	2490	3	3	4	5	3	3	4	5
Wood preserving .....	2491	4	4	4	8	3	5	4	8
Particleboard .....	2492	5	6	4	5	5	6	5	5
Wood products, n.e.c. ....	2499	4	4	5	7	4	4	5	7
Furniture and fixtures .....	2500	1	2	1	3	1	2	1	3
Household furniture .....	2510	2	2	2	4	2	2	2	4
Wood household furniture .....	2511	3	4	3	8	3	4	3	8
Upholstered household furniture .....	2512	3	4	4	7	3	4	4	7
Metal household furniture .....	2514	3	3	5	4	3	3	5	4
Mattresses and bedsprings .....	2515	4	6	5	6	4	6	5	6
Wood TV and radio cabinets .....	2517	6	7	6	5	6	7	7	5
Household furniture, n.e.c. ....	2519	13	18	14	9	13	18	14	9
Office furniture .....	2520	3	3	4	4	3	4	4	4
Wood office furniture .....	2521	5	6	6	8	5	6	6	9
Metal office furniture .....	2522	4	4	5	4	4	5	5	5
Public building and related furniture .....	2530	4	6	4	7	4	6	4	8
Partitions and fixtures .....	2540	3	5	4	6	3	5	4	6
Wood partitions and fixtures .....	2541	4	6	5	9	4	6	5	9
Metal partitions and fixtures .....	2542	5	7	5	7	5	7	5	7
Miscellaneous furniture and fixtures .....	2590	4	5	5	6	4	4	5	6
Drapery hardware and blinds and shades .....	2591	5	4	7	6	5	4	7	7
Furniture and fixtures, n.e.c. ....	2599	6	8	7	10	6	8	7	9
Stone, clay, and glass products .....	3200	1	1	2	2	1	1	2	2
Flat glass .....	3210	7	7	8	9	7	7	8	9
Glass and glassware, pressed or blown .....	3220	4	3	5	4	4	3	5	4
Glass containers .....	3221	4	4	6	5	4	4	6	5
Pressed and blown glass, n.e.c. ....	3229	6	5	8	6	6	5	8	6
Products of purchased glass .....	3230	5	5	6	5	5	5	6	6
Cement, hydraulic .....	3240	6	10	9	8	6	10	9	8
Structural clay products .....	3250	3	4	4	6	3	4	4	6
Brick and structural clay tile .....	3251	6	7	7	10	6	7	7	10
Ceramic wall and floor tile .....	3253	3	5	3	10	3	5	3	11
Clay refractories .....	3255	5	6	6	9	5	6	6	9
Structural clay products, n.e.c. ....	3259	8	10	9	14	8	10	9	14
Pottery and related products .....	3260	2	2	3	3	2	2	3	3
Vitreous plumbing fixtures .....	3261	3	2	7	5	3	2	7	5
Vitreous china food utensils .....	3262	1	1	2	( <sup>3</sup> )	1	1	2	( <sup>3</sup> )
Fine earthenware food utensils .....	3263	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )
Porcelain electrical supplies .....	3264	4	3	6	5	4	4	7	5
Pottery products, n.e.c. ....	3269	6	8	7	10	6	9	7	11
Concrete, gypsum, and plaster products .....	3270	2	3	3	5	2	3	3	5
Concrete block and brick .....	3271	4	5	5	10	4	5	5	10
Concrete products, n.e.c. ....	3272	3	4	4	7	3	4	4	7
Ready-mixed concrete .....	3273	4	5	6	8	4	5	5	8
Cut stone and stone products .....	3280	5	6	6	8	5	6	6	8
Miscellaneous nonmetallic mineral products .....	3290	2	3	3	3	2	3	3	3

See footnotes at end of table.

**Table A-1. Relative standard errors for measures of occupational injuries and illnesses and occupational injuries by industry, 1984—Continued**

Industry	SIC code <sup>1</sup>	Relative standard error (percent) <sup>2</sup>							
		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
Abrasive products .....	3291	3	4	6	4	3	4	6	5
Asbestos products .....	3292	3	3	5	4	3	3	6	4
Gaskets, packing and sealing devices .....	3293	4	4	5	6	4	4	5	6
Minerals, ground or treated .....	3295	5	7	7	15	5	7	7	16
Mineral wool .....	3296	5	5	7	5	5	5	7	5
Nonclay refractories .....	3297	8	12	9	11	8	12	9	11
Nonmetallic mineral products, n.e.c. ....	3299	10	13	13	18	10	13	13	18
Primary metal industries .....	3300	1	2	2	2	1	2	2	2
Blast furnace and basic steel products .....	3310	4	5	4	4	4	5	4	4
Blast furnaces and steel mills .....	3312	6	7	6	6	6	7	6	6
Electrometallurgical products .....	3313	3	4	3	4	3	4	4	4
Steel wire and related products .....	3315	4	4	5	5	4	4	5	5
Cold finishing of steel shapes .....	3316	6	7	6	6	6	7	6	6
Steel pipe and tubes .....	3317	4	4	5	4	4	4	5	5
Iron and steel foundries .....	3320	2	2	3	3	2	2	3	3
Gray iron foundries .....	3321	3	3	4	4	3	3	4	4
Malleable iron foundries .....	3322	8	12	5	8	8	12	5	8
Steel investment foundries .....	3324	3	4	3	5	3	4	3	5
Steel foundries, n.e.c. ....	3325	4	5	5	6	4	5	5	6
Primary nonferrous metals .....	3330	3	4	2	2	2	4	2	2
Primary copper .....	3331	1	2	3	2	1	2	3	2
Primary lead .....	3332	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )
Primary zinc .....	3333	3	4	4	3	3	4	4	3
Primary aluminum .....	3334	4	7	3	4	4	6	3	4
Primary nonferrous metals, n.e.c. ....	3339	4	6	3	4	4	6	3	4
Secondary nonferrous metals .....	3340	5	8	6	5	5	8	5	5
Nonferrous rolling and drawing .....	3350	2	2	3	3	2	2	3	3
Copper rolling and drawing .....	3351	3	4	5	6	3	4	5	6
Aluminum sheet, plate, and foil .....	3353	2	3	2	5	2	3	2	5
Aluminum extruded products .....	3354	5	5	6	5	5	5	6	5
Aluminum rolling and drawing, n.e.c. ....	3355	3	2	4	1	3	2	3	1
Nonferrous rolling and drawing, n.e.c. ....	3356	4	5	6	5	4	5	6	6
Nonferrous wire drawing and insulating .....	3357	3	4	5	5	3	4	5	5
Nonferrous foundries .....	3360	3	3	3	5	3	3	3	5
Aluminum foundries .....	3361	3	4	4	8	3	4	4	8
Brass, bronze, and copper foundries .....	3362	6	6	8	5	6	7	8	5
Nonferrous foundries, n.e.c. ....	3369	5	5	6	6	5	5	7	6
Miscellaneous primary metal products .....	3390	3	3	3	5	3	3	4	5
Metal heat treating .....	3398	4	4	5	7	4	4	6	7
Primary metal products, n.e.c. ....	3399	3	5	4	6	3	5	4	6
Fabricated metal products .....	3400	1	1	1	1	1	1	1	1
Metal cans and shipping containers .....	3410	2	3	3	3	2	3	3	3
Metal cans .....	3411	3	3	3	5	3	3	3	5
Metal barrels, drums, and pails .....	3412	4	6	5	4	4	6	5	4
Cutlery, hand tools, and hardware .....	3420	2	2	3	5	2	2	3	5
Cutlery .....	3421	7	5	9	5	7	6	10	6
Hand and edge tools, nec .....	3423	5	5	7	15	5	6	6	15
Hand saws and saw blades .....	3425	4	4	6	3	4	4	6	3
Hardware, n.e.c. ....	3429	2	3	3	3	3	3	3	3

See footnotes at end of table.

**Table A-1. Relative standard errors for measures of occupational injuries and illnesses and occupational injuries by industry, 1984—Continued**

Industry	SIC code <sup>1</sup>	Relative standard error (percent) <sup>2</sup>							
		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 .....	3430	2	3	3	4	2	3	3	5
Metal sanitary ware .....	3431	5	7	5	5	5	7	5	6
Plumbing fittings and brass goods .....	3432	4	5	6	6	4	6	6	6
Heating equipment, except electric .....	3433	3	5	4	9	3	5	4	9
Fabricated structural metal products .....	3440	1	2	2	3	1	2	2	3
Fabricated structural metal .....	3441	3	3	4	4	3	3	4	4
Metal doors, sash, and trim .....	3442	3	3	3	5	3	3	3	5
Fabricated plate work .....	3443	4	5	6	9	5	5	6	10
Sheet metal work .....	3444	2	3	3	4	2	3	3	4
Architectural metal work .....	3446	7	7	8	10	5	7	6	10
Prefabricated metal buildings .....	3448	4	5	5	6	4	5	5	7
Miscellaneous metal work .....	3449	5	7	6	7	5	7	6	7
Screw machine products, bolts, etc. ....	3450	2	3	3	4	2	3	3	4
Screw machine products .....	3451	3	4	4	7	3	4	4	7
Bolts, nuts, rivets, and washers .....	3452	3	4	4	5	3	4	4	5
Metal forgings and stampings .....	3460	2	2	2	3	2	2	2	3
Iron and steel forgings .....	3462	4	5	5	6	4	5	5	6
Nonferrous forgings .....	3463	2	5	1	9	2	5	2	9
Automotive stampings .....	3465	3	4	4	4	3	4	4	4
Crowns and closures .....	3466	7	9	7	12	7	9	7	12
Metal stampings, n.e.c. ....	3469	3	3	3	4	3	4	3	4
Metal services, n.e.c. ....	3470	2	3	3	4	2	3	3	4
Plating and polishing .....	3471	3	4	3	5	3	4	4	5
Metal coating and allied services .....	3479	5	7	5	8	4	6	5	8
Ordnance and accessories, n.e.c. ....	3480	3	2	4	2	3	2	4	2
Small arms ammunition .....	3482	5	7	6	8	6	8	6	9
Ammunition, except for small arms, n.e.c. ....	3483	5	4	6	3	5	4	7	3
Small arms .....	3484	3	2	4	3	3	2	5	3
Ordnance and accessories, n.e.c. ....	3489	1	1	3	( <sup>b</sup> )	1	1	2	( <sup>b</sup> )
Miscellaneous fabricated metal products .....	3490	2	2	3	3	2	2	3	3
Steel springs, except wire .....	3493	3	3	4	5	3	3	4	5
Valves and pipe fittings .....	3494	4	4	5	5	4	4	5	5
Wire springs .....	3495	4	5	5	5	4	5	5	5
Miscellaneous fabricated wire products .....	3496	3	4	4	5	3	4	4	5
Metal foil and leaf .....	3497	6	8	9	10	6	8	9	10
Fabricated pipe and fittings .....	3498	5	6	5	6	4	5	5	6
Fabricated metal products, n.e.c. ....	3499	6	8	8	12	6	8	8	12
Machinery, except electrical .....	3500	1	1	1	2	1	1	1	2
Engines and turbines .....	3510	3	3	3	5	3	3	4	6
Turbines and turbine generator sets .....	3511	9	8	10	5	9	8	10	5
Internal combustion engines, n.e.c. ....	3519	3	3	4	6	3	4	4	8
Farm and garden machinery .....	3520	3	4	4	5	3	4	4	5
Farm machinery and equipment .....	3523	4	5	5	6	4	5	5	6
Lawn and garden equipment .....	3524	4	4	6	10	4	4	6	11
Construction and related machinery .....	3530	3	4	4	5	3	4	4	5
Construction machinery .....	3531	5	5	6	6	5	6	6	6
Mining machinery .....	3532	5	9	6	12	5	9	6	12
Oil field machinery .....	3533	6	6	7	7	6	6	7	7
Elevators and moving stairways .....	3534	4	4	4	7	4	3	5	7
Conveyors and conveying equipment .....	3535	12	13	14	17	12	13	15	17

See footnotes at end of table.

**Table A-1. Relative standard errors for measures of occupational injuries and illnesses and occupational injuries by industry, 1984—Continued**

Industry	SIC code <sup>1</sup>	Relative standard error (percent) <sup>2</sup>							
		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
Hoists, cranes, and monorails .....	3536	7	7	9	8	7	8	9	8
Metalworking machinery .....	3540	2	2	2	4	2	3	2	4
Machine tools, metal cutting types .....	3541	4	5	4	7	4	5	4	7
Machine tools, metal forming types .....	3542	5	6	6	7	5	6	6	7
Special dies, tools, jigs and fixtures .....	3544	3	4	4	7	3	4	4	7
Machine tool accessories .....	3545	5	6	5	11	5	6	5	11
Power driven hand tools .....	3546	3	3	4	5	3	3	4	5
Rolling mill machinery .....	3547	4	7	6	8	4	6	5	8
Metalworking machinery, n.e.c .....	3549	4	4	5	5	4	4	6	5
Special industry machinery .....	3550	2	3	3	4	2	3	3	4
Food products machinery .....	3551	5	6	7	7	5	6	7	7
Textile machinery .....	3552	5	8	5	15	5	8	6	15
Woodworking machinery .....	3553	5	6	6	8	5	7	6	8
Paper industries machinery .....	3554	4	5	4	6	4	5	4	6
Printing trades machinery .....	3555	7	7	8	9	7	7	8	9
Special industry machinery, n.e.c .....	3559	5	6	6	7	5	6	6	7
General industrial machinery .....	3560	2	2	3	2	2	2	3	2
Pumps and pumping equipment .....	3561	6	6	7	6	6	6	8	6
Ball and roller bearings .....	3562	3	4	4	6	3	4	5	5
Air and gas compressors .....	3563	13	10	15	6	13	10	15	7
Blowers and fans .....	3564	6	9	7	7	6	9	7	7
Industrial patterns .....	3565	5	7	5	14	5	7	5	14
Speed changers, drives, and gears .....	3566	3	4	4	6	3	4	4	6
Industrial furnaces and ovens .....	3567	5	5	6	6	5	5	6	7
Power transmission equipment, n.e.c .....	3568	5	6	6	6	5	6	6	6
General industrial machinery, n.e.c .....	3569	5	5	5	6	5	6	5	6
Office and computing machines .....	3570	4	4	6	5	4	4	5	5
Typewriters .....	3572	9	11	11	10	9	11	11	11
Electronic computing equipment .....	3573	5	5	7	6	5	5	7	6
Scales and balances, except laboratory .....	3576	3	3	3	3	3	3	3	2
Office machines, n.e.c .....	3579	5	6	6	7	5	6	6	7
Refrigeration and service machinery .....	3580	3	4	3	3	3	4	3	4
Automatic merchandising machines .....	3581	2	4	3	5	2	4	2	5
Commercial laundry equipment .....	3582	2	4	3	4	2	4	3	3
Refrigeration and heating equipment .....	3585	4	4	4	4	4	5	4	5
Measuring and dispensing pumps .....	3586	1	2	1	3	1	2	1	3
Service industry machinery, n.e.c .....	3589	6	11	7	8	6	11	7	8
Miscellaneous machinery, except electrical .....	3590	3	4	3	5	3	4	3	6
Carburetors, pistons, rings, valves .....	3592	3	4	3	5	3	3	4	4
Machinery, except electrical, n.e.c .....	3599	3	4	4	6	3	4	4	6
Electric and electronic equipment .....	3600	1	1	2	2	1	1	2	2
Electric distributing equipment .....	3610	4	5	5	6	4	5	5	6
Transformers .....	3612	6	7	7	8	6	8	7	9
Switchgear and switchboard apparatus .....	3613	6	7	7	8	6	7	7	8
Electrical industrial apparatus .....	3620	3	3	4	4	3	3	4	4
Motors and generators .....	3621	5	5	6	8	5	5	6	8
Industrial controls .....	3622	5	5	6	8	5	5	6	7
Welding apparatus, electric .....	3623	3	3	4	2	3	3	4	3
Carbon and graphite products .....	3624	6	7	8	8	6	8	8	9

See footnotes at end of table.



**Table A-1. Relative standard errors for measures of occupational injuries and illnesses and occupational injuries by industry, 1984—Continued**

Industry	SIC code <sup>1</sup>	Relative standard error (percent) <sup>2</sup>							
		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
Electrical industrial apparatus, n.e.c .....	3629	9	13	9	20	9	13	10	20
Household appliances .....	3630	2	2	2	1	2	2	2	2
Household cooking equipment .....	3631	3	3	3	3	3	3	4	3
Household refrigerators and freezers .....	3632	2	4	1	3	2	5	2	4
Household laundry equipment .....	3633	3	1	4	2	3	1	4	2
Electric housewares and fans .....	3634	6	8	6	5	7	9	6	5
Household vacuum cleaners .....	3635	1	1	1	2	1	2	1	4
Sewing machines .....	3636	11	15	13	11	12	15	13	11
Household appliances, n.e.c .....	3639	4	4	4	4	4	4	4	5
Electric lighting and wiring equipment .....	3640	2	2	3	3	2	2	3	3
Electric lamps .....	3641	7	8	8	7	7	7	8	7
Current-carrying wiring devices .....	3643	4	4	5	5	4	4	5	5
Noncurrent-carrying wiring devices .....	3644	6	7	6	11	6	7	6	13
Residential lighting fixtures .....	3645	7	8	9	10	7	8	9	10
Commercial lighting fixtures .....	3646	3	3	3	5	3	3	3	5
Vehicular lighting equipment .....	3647	3	3	4	3	3	3	4	3
Lighting equipment, n.e.c .....	3648	7	7	9	14	7	8	9	17
Radio and TV receiving equipment .....	3650	6	8	7	8	6	9	7	8
Radio and TV receiving sets .....	3651	7	11	9	10	7	11	9	11
Phonograph records .....	3652	9	8	12	7	10	8	12	7
Communication equipment .....	3660	4	4	5	4	4	4	5	4
Telephone and telegraph apparatus .....	3661	4	5	5	4	5	6	5	5
Radio and TV communication equipment .....	3662	5	5	6	6	5	5	6	6
Electronic components and accessories .....	3670	3	3	4	4	3	3	4	4
Cathode ray television picture tubes .....	3672	1	( <sup>a</sup> )	2	( <sup>a</sup> )	1	( <sup>a</sup> )	2	( <sup>a</sup> )
Electron tubes, transmitting .....	3673	3	6	4	5	3	6	4	6
Semiconductors and related devices .....	3674	6	7	7	7	6	7	8	7
Electronic capacitors .....	3675	6	8	6	13	5	7	6	11
Electronic resistors .....	3676	5	4	7	8	5	4	8	8
Electronic coils and transformers .....	3677	5	5	6	9	5	5	5	8
Electronic components, n.e.c .....	3679	4	5	5	7	4	5	5	7
Miscellaneous electrical equipment and supplies .....	3690	3	3	4	4	3	3	4	4
Storage batteries .....	3691	4	4	6	8	4	4	6	8
Primary batteries, dry and wet .....	3692	8	8	10	7	8	7	10	7
X-ray apparatus and tubes .....	3693	4	5	6	9	4	5	6	9
Engine electrical equipment .....	3694	5	6	7	6	6	6	7	7
Electrical equipment and supplies, n.e.c .....	3699	6	7	8	9	6	7	8	11
Transportation equipment .....	3700	1	1	1	2	1	1	1	2
Motor vehicles and equipment .....	3710	2	2	2	3	2	2	2	3
Motor vehicles and car bodies .....	3711	3	3	4	5	3	3	4	5
Truck and bus bodies .....	3713	4	4	4	5	4	4	4	5
Motor vehicle parts and accessories .....	3714	3	4	4	5	3	4	4	6
Truck trailers .....	3715	4	4	6	7	4	4	6	7
Self-contained motor homes .....	3716	3	3	4	5	3	3	4	5
Aircraft and parts .....	3720	2	2	3	3	2	2	3	3
Aircraft .....	3721	3	3	3	3	2	3	3	3
Aircraft engines and engine parts .....	3724	4	4	7	4	4	5	7	4
Aircraft equipment, n.e.c .....	3728	4	4	4	7	4	4	5	7
Ship and boat building and repairing .....	3730	2	2	3	3	2	2	3	3

See footnotes at end of table.

**Table A-1. Relative standard errors for measures of occupational injuries and illnesses and occupational injuries by industry, 1984—Continued**

Industry	SIC code <sup>1</sup>	Relative standard error (percent) <sup>2</sup>							
		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
Ship building and repairing .....	3731	2	3	3	3	2	3	3	4
Boat building and repairing .....	3732	3	4	4	7	4	4	4	7
Railroad equipment .....	3740	5	6	6	7	5	6	6	8
Motorcycles, bicycles, and parts .....	3750	9	9	14	9	9	9	15	10
Guided missiles, space vehicles, parts .....	3760	1	1	1	1	1	1	1	1
Guided missiles and space vehicles .....	3761	1	1	1	1	1	1	1	1
Space propulsion units and parts .....	3764	1	3	2	5	1	2	2	4
Space vehicle equipment, n.e.c .....	3769	5	6	5	6	5	6	6	6
Miscellaneous transportation equipment .....	3790	3	3	3	4	3	3	3	4
Travel trailers and campers .....	3792	4	5	5	7	4	5	5	7
Transportation equipment, n.e.c .....	3799	4	4	6	6	4	4	6	6
Instruments and related products .....	3800	2	2	3	3	2	2	3	3
Engineering and scientific instruments .....	3810	7	7	8	9	7	7	8	9
Measuring and controlling devices .....	3820	4	4	5	5	4	4	5	6
Environmental controls .....	3822	4	5	5	4	4	5	5	5
Process control instruments .....	3823	12	12	13	13	12	12	13	14
Fluid meters and counting devices .....	3824	6	7	8	7	6	7	8	7
Instruments to measure electricity .....	3825	5	5	7	11	5	6	8	12
Measuring and controlling devices, n.e.c .....	3829	7	10	8	15	6	10	7	16
Optical instruments and lenses .....	3830	9	9	13	9	9	9	13	9
Medical instruments and supplies .....	3840	4	6	5	5	4	5	5	5
Surgical and medical instruments .....	3841	8	14	10	10	8	11	10	11
Surgical appliances and supplies .....	3842	5	5	6	6	5	5	6	6
Dental equipment and supplies .....	3843	9	10	11	13	9	10	11	14
Ophthalmic goods .....	3850	6	7	7	9	7	8	9	11
Photographic equipment and supplies .....	3860	5	5	6	7	5	5	6	7
Watches, clocks, and watchcases .....	3870	9	10	10	7	10	10	11	7
Miscellaneous manufacturing industries .....	3900	2	2	3	3	2	2	2	3
Jewelry, silverware, and plated ware .....	3910	4	5	5	8	4	5	5	9
Jewelry, precious metal .....	3911	6	11	6	12	6	11	6	12
Silverware and plated ware .....	3914	4	4	6	5	4	4	6	5
Jewelers' materials and lapidary work .....	3915	14	18	14	39	14	18	14	40
Musical instruments .....	3930	7	5	10	7	7	5	10	7
Toys and sporting goods .....	3940	4	3	6	6	4	4	5	6
Games, toys, and children's vehicles .....	3944	5	4	7	5	5	4	7	5
Sporting and athletic goods, n.e.c .....	3949	6	5	8	11	6	5	7	12
Pens, pencils, office and art supplies .....	3950	3	3	4	8	3	3	4	9
Pens and mechanical pencils .....	3951	4	4	5	7	4	5	6	8
Lead pencils and art goods .....	3952	8	7	11	20	8	7	11	21
Marking devices .....	3953	7	10	8	7	7	10	8	7
Carbon paper and inked ribbons .....	3955	5	5	7	14	6	6	8	15
Costume jewelry and notions .....	3960	4	4	6	9	4	4	5	9
Costume jewelry .....	3961	9	8	13	11	8	9	12	11
Artificial flowers .....	3962	7	7	9	7	7	7	9	7

See footnotes at end of table.

**Table A-1. Relative standard errors for measures of occupational injuries and illnesses and occupational injuries by industry, 1984—Continued**

Industry	SIC code <sup>1</sup>	Relative standard error (percent) <sup>2</sup>							
		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
Buttons .....	3963	8	12	9	14	8	12	9	14
Miscellaneous manufactures .....	3990	3	3	3	5	3	3	4	5
Brooms and brushes .....	3991	3	4	4	4	3	4	4	4
Signs and advertising displays .....	3993	4	5	6	9	5	5	6	9
Burial caskets .....	3995	5	7	6	10	5	7	6	11
Hard surface floor coverings .....	3996	1	1	1	2	1	2	1	2
Manufacturing industries, n.e.c .....	3999	6	7	7	9	6	7	7	9
Nondurable goods .....		1	1	1	1	1	1	1	1
Food and kindred products .....	2000	1	1	1	1	1	1	1	1
Meat products .....	2010	1	2	2	2	1	2	2	2
Meat packing plants .....	2011	2	2	2	2	2	3	2	3
Sausages and other prepared meats .....	2013	3	3	4	4	3	3	3	4
Poultry dressing plants .....	2016	3	3	3	4	3	3	3	4
Poultry and egg processing .....	2017	3	4	4	4	3	4	4	5
Dairy products .....	2020	2	2	3	3	2	2	3	3
Creamery butter .....	2021	7	8	10	10	7	8	10	11
Cheese, natural and processed .....	2022	4	5	4	5	4	5	5	5
Condensed and evaporated milk .....	2023	4	3	5	6	4	4	5	6
Ice cream and frozen desserts .....	2024	4	4	5	7	4	4	5	7
Fluid milk .....	2026	3	4	5	5	3	4	5	5
Preserved fruits and vegetables .....	2030	2	3	3	3	2	3	3	3
Canned specialties .....	2032	7	8	7	8	7	9	8	9
Canned fruits and vegetables .....	2033	4	5	6	6	4	5	6	7
Dehydrated fruits, vegetables, soups .....	2034	6	5	9	10	5	5	9	11
Pickles, sauces, and salad dressing .....	2035	5	5	6	15	5	5	6	15
Frozen fruits and vegetables .....	2037	5	5	6	5	5	6	6	5
Frozen specialties .....	2038	4	5	5	4	4	5	5	4
Grain mill products .....	2040	2	3	3	5	2	3	3	5
Flour and other grain mill products .....	2041	4	5	5	8	4	5	5	8
Cereal breakfast foods .....	2043	3	4	4	4	3	4	4	4
Rice milling .....	2044	3	5	4	4	3	5	4	4
Blended and prepared flour .....	2045	5	5	8	6	5	5	8	6
Wet corn milling .....	2046	2	3	3	3	2	3	3	3
Dog, cat, and other pet food .....	2047	4	4	6	5	4	4	6	5
Prepared feeds, n.e.c .....	2048	6	8	6	13	6	8	6	13
Bakery products .....	2050	3	3	4	4	3	3	4	4
Bread, cake, and related products .....	2051	3	4	4	5	3	4	5	5
Cookies and crackers .....	2052	4	4	4	5	4	5	4	5
Sugar and confectionery products .....	2060	2	2	3	3	2	3	3	3
Raw cane sugar .....	2061	4	6	4	6	4	5	4	6
Cane sugar refining .....	2062	1	1	1	2	1	1	1	2
Beet sugar .....	2063	5	4	9	4	5	4	9	4
Confectionery products .....	2065	4	4	5	5	4	4	5	5
Chocolate and cocoa products .....	2066	6	6	6	12	6	6	6	13
Chewing gum .....	2067	4	4	6	5	4	4	6	5
Fats and oils .....	2070	3	3	4	5	3	3	4	5
Cottonseed oil mills .....	2074	11	13	14	14	11	13	14	14
Soybean oil mills .....	2075	8	9	11	21	8	9	11	21
Vegetable oil mills, n.e.c .....	2076	4	4	4	11	4	4	4	11
Animal and marine fats and oils .....	2077	4	4	6	6	4	4	6	7
Shortening and cooking oils .....	2079	5	6	6	7	5	6	6	7
Beverages .....	2080	1	2	2	3	1	2	2	3
Malt beverages .....	2082	2	3	3	3	2	3	3	3
Malt .....	2083	2	2	3	2	2	2	3	2

See footnotes at end of table.

**Table A-1. Relative standard errors for measures of occupational injuries and illnesses and occupational injuries by industry, 1984—Continued**

Industry	SIC code <sup>1</sup>	Relative standard error (percent) <sup>2</sup>							
		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
Wines, brandy, and brandy spirits .....	2084	6	7	8	5	5	8	7	6
Distilled liquor, except brandy .....	2085	4	5	5	5	4	5	5	5
Bottled and canned soft drinks .....	2086	2	2	3	3	2	2	3	3
Flavoring extracts and sirups, n.e.c .....	2087	9	11	12	20	9	11	12	20
Miscellaneous foods and kindred products .....	2090	3	4	4	6	3	4	4	6
Fresh or frozen packaged fish .....	2092	5	6	6	7	5	6	6	7
Roasted coffee .....	2095	4	4	5	5	4	4	5	5
Macaroni and spaghetti .....	2098	3	3	4	8	3	3	4	8
Food preparations, n.e.c .....	2099	5	6	6	9	5	6	6	10
Tobacco manufactures .....	2100	3	2	4	2	3	2	4	2
Cigarettes .....	2110	4	2	6	2	4	2	5	2
Cigars .....	2120	5	5	7	5	5	5	8	5
Chewing and smoking tobacco .....	2130	5	5	6	7	5	5	6	7
Tobacco stemming and redrying .....	2140	5	4	6	4	5	4	6	4
Textile mill products .....	2200	1	2	2	2	1	2	2	2
Weaving mills, cotton .....	2210	5	6	5	14	5	6	5	14
Weaving mills, synthetics .....	2220	5	8	6	9	5	8	6	9
Weaving and finishing mills, wool .....	2230	3	3	5	4	3	3	5	4
Narrow fabric mills .....	2240	3	5	4	10	3	5	4	10
Knitting mills .....	2250	3	4	4	4	3	4	4	5
Women's hosiery, except socks .....	2251	7	9	8	9	8	11	9	10
Hosiery, n.e.c .....	2252	4	5	5	7	4	5	5	7
Knit outerwear mills .....	2253	9	9	11	12	9	9	11	12
Knit underwear mills .....	2254	5	4	7	9	5	5	7	10
Circular knit fabric mills .....	2257	10	9	13	15	10	9	13	16
Warp knit fabric mills .....	2258	5	8	5	7	5	8	5	8
Knitting mills, n.e.c .....	2259	9	8	11	3	9	8	11	3
Textile finishing, except wool .....	2260	4	4	5	5	3	4	4	5
Finishing plants, cotton .....	2261	7	7	9	12	7	7	9	12
Finishing plants, synthetics .....	2262	5	7	5	8	5	7	5	8
Finishing plants, n.e.c .....	2269	6	6	8	7	5	6	7	7
Floor covering mills .....	2270	7	10	10	7	7	9	10	7
Woven carpets and rugs .....	2271	4	6	3	5	4	6	4	5
Tufted carpets and rugs .....	2272	8	13	11	8	8	12	12	7
Yarn and thread mills .....	2280	3	4	3	6	3	4	3	6
Yarn mills, except wool .....	2281	3	5	4	6	3	5	4	6
Throwing and winding mills .....	2282	7	10	7	21	7	10	7	21
Wool yarn mills .....	2283	4	5	5	4	5	5	5	4
Thread mills .....	2284	3	2	3	4	3	2	3	4
Miscellaneous textile goods .....	2290	2	2	2	3	2	2	2	2
Felt goods, except woven felts and hats .....	2291	4	6	4	6	4	6	4	6
Lace goods .....	2292	8	6	9	5	6	6	7	5
Paddings and upholstery filling .....	2293	2	3	2	1	2	3	2	2
Processed textile waste .....	2294	5	6	4	9	4	6	4	7
Coated fabrics, not rubberized .....	2295	4	4	5	7	4	4	5	7
Tire cord and fabric .....	2296	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )
Nonwoven fabrics .....	2297	3	5	3	5	2	5	3	5
Cordage and twine .....	2298	5	6	5	8	5	6	5	8
Textile goods, n.e.c .....	2299	7	9	7	7	7	9	7	7
Apparel and other textile products .....	2300	1	2	2	3	1	2	2	3
Men's and boys' suits and coats .....	2310	4	5	6	7	4	5	6	7
Men's and boys' furnishings .....	2320	2	2	3	3	2	3	3	3

See footnotes at end of table.

**Table A-1. Relative standard errors for measures of occupational injuries and illnesses and occupational injuries by industry, 1984—Continued**

Industry	SIC code <sup>1</sup>	Relative standard error (percent) <sup>2</sup>							
		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
Men's and boys' shirts and nightwear .....	2321	5	7	5	8	5	7	5	8
Men's and boys' underwear .....	2322	9	12	11	16	10	14	11	21
Men's and boys' neckwear .....	2323	7	10	9	28	7	10	9	29
Men's and boys' separate trousers .....	2327	4	4	5	5	4	4	5	5
Men's and boys' work clothing .....	2328	3	4	5	6	4	4	5	6
Men's and boys' clothing, n.e.c. ....	2329	4	6	6	9	5	6	6	9
Women's and misses' outerwear .....	2330	3	4	4	6	3	4	4	6
Women's and misses' blouse and waists .....	2331	7	8	8	12	7	8	8	12
Women's and misses' dresses .....	2335	9	10	10	17	9	10	11	17
Women's and misses' suits and coats .....	2337	8	11	9	13	8	11	9	13
Women's and misses' outerwear, n.e.c. ....	2339	5	6	5	9	5	6	5	9
Women's and children's undergarments .....	2340	5	5	6	8	4	5	6	8
Women's and children's underwear .....	2341	6	7	7	10	5	6	7	10
Brassieres and allied garments .....	2342	6	7	8	10	6	7	8	11
Hats, caps, and millinery .....	2350	4	6	5	6	4	6	6	6
Millinery .....	2351	6	13	6	26	6	13	6	26
Hats and caps, except millinery .....	2352	5	6	6	6	4	6	6	6
Children's outerwear .....	2360	7	7	9	11	7	7	9	11
Children's dresses and blouses .....	2361	6	9	8	12	6	9	8	12
Children's outerwear, nec. ....	2369	11	12	15	21	11	12	15	20
Miscellaneous apparel and accessories .....	2380	3	4	4	6	3	4	4	6
Fabric dress and work gloves .....	2381	11	13	13	21	10	10	12	15
Waterproof outer garments .....	2385	4	3	5	6	4	4	4	6
Apparel belts .....	2387	8	12	9	22	8	12	9	23
Apparel and accessories, nec. ....	2389	9	11	11	9	9	11	10	10
Miscellaneous fabricated textile products .....	2390	3	3	4	9	3	3	4	9
Curtains and draperies .....	2391	8	8	12	42	8	9	12	43
House furnishings, n.e.c. ....	2392	6	6	7	15	6	7	7	15
Textile bags .....	2393	11	13	13	19	11	12	13	19
Canvas and related products .....	2394	6	7	8	15	6	7	8	15
Pleating and stitching .....	2395	6	8	8	9	6	8	8	9
Automotive and apparel trimmings .....	2396	7	7	8	7	7	8	8	9
Fabricated textile products, n.e.c. ....	2399	6	8	7	8	6	9	6	9
Paper and allied products .....	2600	1	2	2	2	1	2	2	2
Pulp mills .....	2610	2	2	3	2	2	2	3	2
Paper mills, except building paper .....	2620	3	4	4	5	3	4	4	5
Paperboard mills .....	2630	3	4	4	5	3	4	4	5
Miscellaneous converted paper products .....	2640	2	3	3	4	2	3	3	4
Paper coating and glazing .....	2641	5	6	6	7	5	6	6	7
Envelopes .....	2642	5	6	7	9	5	6	7	9
Bags, except textile bags .....	2643	5	6	5	8	5	6	5	8
Die-cut paper and board .....	2645	7	7	10	8	7	7	10	8
Pressed and molded pulp goods .....	2646	5	4	9	8	5	4	9	8
Sanitary paper products .....	2647	6	5	9	6	7	6	10	6
Stationery products .....	2648	6	7	8	10	6	7	8	10
Converted paper products, n.e.c. ....	2649	5	8	6	13	5	8	6	14
Paperboard containers and boxes .....	2650	2	3	3	3	2	3	3	4
Folding paperboard boxes .....	2651	3	5	4	7	3	5	4	8
Set-up paperboard boxes .....	2652	5	5	6	9	5	5	6	9
Corrugated and solid fiber boxes .....	2653	3	4	4	5	3	4	4	5
Sanitary food containers .....	2654	9	12	10	12	9	12	10	12

See footnotes at end of table.

**Table A-1. Relative standard errors for measures of occupational injuries and illnesses and occupational injuries by industry, 1984—Continued**

Industry	SIC code <sup>1</sup>	Relative standard error (percent) <sup>2</sup>							
		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
Fiber cans, drums, and similar products .....	2655	6	7	7	8	7	7	7	8
Building paper and board mills .....	2660	5	5	6	7	5	5	6	7
Printing and publishing .....	2700	2	2	2	3	2	2	2	3
Newspapers .....	2710	3	3	5	4	3	3	5	4
Periodicals .....	2720	8	7	12	6	9	7	12	7
Books .....	2730	4	5	4	5	4	5	4	5
Book publishing .....	2731	6	6	7	6	6	6	7	7
Miscellaneous publishing .....	2740	11	15	12	27	12	16	13	31
Commercial printing .....	2750	3	3	3	6	3	4	3	6
Commercial printing, letterpress .....	2751	5	6	6	8	5	6	6	7
Commercial printing, lithographic .....	2752	4	5	4	8	4	5	4	9
Engraving and plate printing .....	2753	5	9	5	11	5	9	5	11
Commercial printing, gravure .....	2754	6	6	8	8	6	6	8	8
Manifold business forms .....	2760	5	6	6	9	5	6	6	9
Greeting card publishing .....	2770	5	10	6	9	6	10	6	10
Blankbooks and bookbinding .....	2780	3	4	5	7	3	4	5	7
Blankbooks and looseleaf binders .....	2782	4	5	6	9	4	5	6	9
Bookbinding and related work .....	2789	6	7	8	11	6	7	8	11
Printing trade services .....	2790	5	8	6	10	5	8	6	11
Typesetting .....	2791	9	12	12	18	9	12	13	18
Chemicals and allied products .....	2800	2	2	2	3	2	2	2	3
Industrial inorganic chemicals .....	2810	13	15	13	19	13	15	13	19
Alkalies and chlorine .....	2812	6	7	7	4	6	7	7	4
Industrial gases .....	2813	11	14	12	36	11	15	12	30
Inorganic pigments .....	2816	5	9	6	9	5	9	6	9
Plastics materials and synthetics .....	2820	5	7	5	6	5	7	5	6
Plastics materials and resins .....	2821	7	9	8	8	7	10	8	9
Synthetic rubber .....	2822	4	5	4	7	4	5	4	7
Cellulosic man-made fibers .....	2823	5	6	5	8	5	6	5	8
Organic fibers, noncellulosic .....	2824	11	19	10	19	11	18	11	20
Drugs .....	2830	5	5	6	8	5	5	6	8
Biological products .....	2831	6	7	9	8	7	7	9	7
Medicinals and botanicals .....	2833	5	7	7	6	5	6	7	6
Pharmaceutical preparations .....	2834	6	6	8	9	6	6	7	10
Soap, cleaners, and toilet goods .....	2840	3	4	4	8	3	4	4	8
Soap and other detergents .....	2841	5	5	7	6	6	5	8	6
Polishes and sanitation goods .....	2842	8	10	10	26	8	10	11	28
Surface active agents .....	2843	7	8	8	18	6	8	8	18
Toilet preparations .....	2844	5	5	6	9	5	5	6	9
Paints and allied products .....	2850	5	5	6	7	5	5	6	6
Industrial organic chemicals .....	2860	5	7	5	8	5	7	6	8
Gum and wood chemicals .....	2861	7	10	6	8	7	10	6	8
Cyclic crudes and intermediates .....	2865	9	10	11	18	10	10	12	18
Industrial organic chemicals, n.e.c. ....	2869	6	9	7	9	7	9	7	9
Agricultural chemicals .....	2870	8	8	11	10	8	8	11	10
Phosphatic fertilizers .....	2874	4	4	6	5	4	4	6	5
Fertilizers, mixing only .....	2875	6	7	7	10	6	7	7	10

See footnotes at end of table.

**Table A-1. Relative standard errors for measures of occupational injuries and illnesses and occupational injuries by industry, 1984—Continued**

Industry	SIC code <sup>1</sup>	Relative standard error (percent) <sup>2</sup>							
		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
Miscellaneous chemical products .....	2890	3	4	4	6	3	4	4	6
Adhesives and sealants .....	2891	6	8	7	12	7	8	7	12
Explosives .....	2892	12	17	14	13	11	18	13	15
Printing ink .....	2893	6	7	7	10	6	7	7	10
Carbon black .....	2895	5	7	6	10	6	7	6	10
Chemical preparations, n.e.c. ....	2899	6	7	7	9	6	7	7	9
Petroleum and coal products .....	2900	4	4	4	4	4	4	5	4
Petroleum refining .....	2910	6	6	7	7	6	6	7	7
Paving and roofing materials .....	2950	6	7	6	6	6	7	6	6
Paving mixtures and blocks .....	2951	7	8	9	9	7	8	9	9
Asphalt felts and coatings .....	2952	9	11	9	7	8	10	9	7
Miscellaneous petroleum and coal products .....	2990	4	5	5	5	4	5	5	5
Lubricating oils and greases .....	2992	4	5	5	5	5	5	5	5
Petroleum and coal products, n.e.c. ....	2999	4	3	7	3	5	3	7	3
Rubber and miscellaneous plastics products .....	3000	2	2	2	2	2	2	2	2
Tires and inner tubes .....	3010	3	3	6	3	3	3	6	3
Rubber and plastics footwear .....	3020	6	6	7	7	5	6	7	7
Reclaimed rubber .....	3030	2	3	2	1	2	3	2	1
Rubber and plastics hose and belting .....	3040	5	3	8	4	6	4	9	4
Fabricated rubber products, n.e.c. ....	3060	3	3	3	3	3	3	3	3
Miscellaneous plastics products .....	3070	2	3	3	3	2	3	3	3
Leather and leather products .....	3100	2	2	2	4	2	2	3	4
Leather tanning and finishing .....	3110	4	4	5	8	4	4	5	7
Boot and shoe cut stock and findings .....	3130	6	6	8	8	7	7	8	9
Footwear, except rubber .....	3140	3	3	4	5	3	3	4	6
House slippers .....	3142	5	6	4	5	6	7	5	5
Men's footwear, except athletic .....	3143	4	4	6	9	4	4	6	11
Women's footwear, except athletic .....	3144	5	5	6	10	5	5	6	8
Footwear, except rubber, n.e.c. ....	3149	7	7	9	11	8	7	9	16
Leather gloves and mittens .....	3150	9	9	10	10	9	9	10	10
Luggage .....	3160	6	6	8	8	6	6	8	8
Handbags and personal leather goods .....	3170	5	7	7	9	6	7	7	10
Women's handbags and purses .....	3171	6	11	7	20	6	11	8	21
Personal leather goods, n.e.c. ....	3172	9	9	12	6	9	9	12	6
Leather goods, nec. ....	3190	6	9	7	12	6	9	7	12
Transportation and public utilities .....		1	1	1	2	1	1	1	2
Local and interurban passenger transit .....	4100	4	5	5	5	4	5	5	5
Local and suburban transportation .....	4110	7	8	9	9	7	8	9	9
Taxicabs .....	4120	9	12	9	12	9	12	9	12
Intercity highway transportation .....	4130	5	5	6	7	4	5	6	7
Transportation charter service .....	4140	16	19	17	24	16	19	16	24
School buses .....	4150	7	9	7	10	7	9	7	10
Trucking and warehousing .....	4200	2	2	3	3	2	2	3	3
Trucking, local and long distance .....	4210	2	2	3	4	2	2	3	4
Public warehousing .....	4220	6	8	7	13	6	8	7	13
Water transportation .....	4400	4	4	5	5	4	4	5	5
Water transportation services .....	4460	5	5	8	7	5	5	8	7

See footnotes at end of table.

**Table A-1. Relative standard errors for measures of occupational injuries and illnesses and occupational injuries by industry, 1984—Continued**

Industry	SIC code <sup>1</sup>	Relative standard error (percent) <sup>2</sup>							
		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
Transportation by air .....	4500	3	3	4	5	3	3	4	5
Certificated air transportation .....	4510	3	4	5	5	4	4	5	5
Noncertificated air transportation .....	4520	10	12	10	20	10	13	10	20
Air transportation services .....	4580	5	6	8	8	5	6	8	9
Pipelines, except natural gas .....	4600	11	19	12	19	11	19	12	19
Transportation services .....	4700	4	5	5	7	4	4	5	7
Freight forwarding .....	4710	6	8	7	13	6	8	7	13
Arrangement of transportation .....	4720	9	10	11	13	9	10	11	13
Miscellaneous transportation services .....	4780	8	11	10	11	7	8	10	11
Communication .....	4800	3	4	4	6	3	4	4	6
Telephone communication .....	4810	4	4	6	7	4	4	6	7
Telegraph communication .....	4820	10	17	9	20	10	18	10	22
Radio and television broadcasting .....	4830	5	8	6	25	5	8	6	25
Communication services, n.e.c. ....	4890	7	9	8	12	7	9	8	12
Electric, gas, and sanitary services .....	4900	2	2	2	3	2	2	2	3
Electric services .....	4910	3	3	4	4	3	3	4	4
Gas production and distribution .....	4920	3	4	4	6	3	4	4	6
Combination utility services .....	4930	3	3	4	5	3	3	4	5
Water supply .....	4940	4	5	5	9	4	5	5	9
Sanitary services .....	4950	4	5	5	6	4	5	5	6
Wholesale and retail trade .....		1	1	2	2	1	1	2	2
Wholesale trade .....		2	2	2	4	2	2	2	4
Wholesale trade-durable goods .....	5000	3	3	3	5	3	3	3	5
Motor vehicles and automotive equipment .....	5010	5	6	7	9	5	6	7	9
Furniture and home furnishings .....	5020	18	21	21	40	18	22	21	41
Lumber and construction materials .....	5030	5	6	7	15	5	6	7	16
Metals and minerals, except petroleum .....	5050	6	7	8	9	6	7	8	9
Electrical goods .....	5060	11	13	14	20	11	12	14	20
Hardware, plumbing and heating equipment .....	5070	11	12	14	23	11	12	14	23
Machinery, equipment, and supplies .....	5080	5	6	6	11	5	7	6	11
Miscellaneous durable goods .....	5090	6	7	7	10	6	7	7	10
Wholesale trade-nondurable goods .....	5100	3	3	4	5	3	3	4	5
Paper and paper products .....	5110	10	11	12	17	10	11	13	17
Groceries and related products .....	5140	3	4	4	5	3	4	4	5
Farm-product raw materials .....	5150	8	8	10	20	7	8	8	20
Chemicals and allied products .....	5160	19	27	22	-	20	27	23	-
Petroleum and petroleum products .....	5170	11	14	14	30	11	14	14	29
Beer, wine, and distilled beverages .....	5180	4	4	4	6	4	4	4	7
Miscellaneous nondurable goods .....	5190	10	12	11	21	10	12	11	21
Retail trade .....		2	2	2	3	2	2	2	3
Building materials and garden supplies .....	5200	2	3	3	5	2	3	3	5
Lumber and other building materials .....	5210	3	3	3	5	3	3	3	5
Paint, glass, and wallpaper stores .....	5230	10	11	12	23	10	11	12	18
Hardware stores .....	5250	7	9	9	18	7	9	9	18
Retail nurseries and garden stores .....	5260	13	16	15	25	13	16	15	25
General merchandise stores .....	5300	2	3	3	4	2	3	3	4
Department stores .....	5310	2	3	3	4	2	3	3	4
Variety stores .....	5330	7	10	8	12	7	10	8	13
Miscellaneous general merchandise stores .....	5390	16	18	20	26	16	18	20	26
Food stores .....	5400	2	3	3	4	2	3	3	4

See footnotes at end of table.



**Table A-1. Relative standard errors for measures of occupational injuries and illnesses and occupational injuries by industry, 1984—Continued**

Industry	SIC code <sup>1</sup>	Relative standard error (percent) <sup>2</sup>							
		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
Grocery stores .....	5410	2	3	3	4	2	3	3	4
Automotive dealers and service stations .....	5500	2	3	3	7	2	3	3	7
New and used car dealers .....	5510	2	3	3	7	2	3	3	7
Auto and home supply stores .....	5530	5	6	6	10	5	6	6	10
Gasoline service stations .....	5540	8	10	10	20	8	10	10	20
Apparel and accessory stores .....	5600	7	9	9	15	7	9	9	15
Women's ready-to-wear stores .....	5620	16	19	19	24	16	19	18	24
Children's and infants wear stores .....	5640	15	30	15	-	15	30	15	-
Family clothing stores .....	5650	8	10	9	11	8	10	9	11
Shoe stores .....	5660	13	20	14	58	13	20	14	58
Furniture and home furnishing stores .....	5700	6	7	7	11	6	7	7	11
Furniture and home furnishings stores .....	5710	7	8	9	13	7	8	9	13
Household appliance stores .....	5720	18	20	25	22	18	20	25	22
Radio, television, and music stores .....	5730	12	16	13	27	12	16	14	28
Eating and drinking places .....	5800	4	5	5	10	4	5	5	10
Miscellaneous retail .....	5900	4	5	6	9	4	5	6	9
Drug stores and proprietary stores .....	5910	6	7	8	12	6	7	8	12
Liquor stores .....	5920	18	21	27	30	18	21	27	30
Used merchandise stores .....	5930	19	24	26	34	19	24	26	34
Miscellaneous shopping goods stores .....	5940	8	10	11	18	8	10	11	19
Nonstore retailers .....	5960	10	10	14	14	10	10	14	14
Fuel and ice dealers .....	5980	11	12	17	19	11	12	17	19
Retail stores, n.e.c. ....	5990	16	15	24	30	15	15	23	30
Finance, insurance, and real estate .....		3	3	3	7	3	3	3	7
Banking .....	6000	4	5	6	10	4	5	6	10
Commercial and stock savings banks .....	6020	5	6	6	10	5	6	6	10
Mutual savings banks .....	6030	20	20	23	44	20	21	23	45
Functions closely related to banking .....	6050	13	14	25	28	15	16	26	32
Credit agencies other than banks .....	6100	5	6	6	32	5	6	6	33
Savings and loan associations .....	6120	5	6	6	10	5	6	6	10
Personal credit institutions .....	6140	15	22	18	-	16	22	19	-
Mortgage bankers and brokers .....	6160	16	15	24	31	17	15	25	32
Security, commodity brokers and services .....	6200	8	9	9	51	8	9	9	51
Security brokers and dealers .....	6210	5	7	7	17	5	8	7	18
Security and commodity services .....	6280	16	11	26	49	16	11	27	49
Insurance carriers .....	6300	5	5	7	14	5	5	7	13
Life insurance .....	6310	8	8	10	22	8	9	10	20
Medical service and health insurance .....	6320	5	7	8	14	5	7	8	16
Fire, marine, and casualty insurance .....	6330	8	8	11	23	8	8	11	24
Insurance agents, brokers and service .....	6400	8	11	10	51	8	11	10	57
Real estate .....	6500	6	6	7	12	6	6	7	11
Real estate operators and lessors .....	6510	7	8	10	20	7	8	10	16
Real estate agents and managers .....	6530	13	13	17	20	13	13	17	20
Subdividers and developers .....	6550	10	12	13	19	11	12	13	19
Combined real estate, insurance, etc .....	6600	8	13	8	19	8	13	8	19
Services .....		2	2	2	3	2	2	2	3
Hotels and other lodging places .....	7000	3	3	3	4	3	3	3	4
Hotels, motels, and tourist courts .....	7010	3	3	3	4	3	3	3	4
Personal services .....	7200	5	6	6	8	5	5	6	9

See footnotes at end of table.

**Table A-1. Relative standard errors for measures of occupational injuries and illnesses and occupational injuries by industry, 1984—Continued**

Industry	SIC code <sup>1</sup>	Relative standard error (percent) <sup>2</sup>							
		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
Laundry, cleaning, and garment services .....	7210	5	6	7	10	5	6	7	10
Photographic studios, portrait .....	7220	14	20	18	27	14	20	19	27
Miscellaneous personal services .....	7290	14	14	21	22	14	14	21	22
Business services .....	7300	5	6	6	10	5	6	6	10
Services to buildings .....	7340	9	11	10	25	9	11	10	25
Personnel supply services .....	7360	9	11	11	13	9	11	11	13
Computer and data processing services .....	7370	20	22	21	40	20	22	21	40
Miscellaneous business services .....	7390	8	9	9	16	8	9	9	16
Auto repair, services, and garages .....	7500	3	4	4	8	3	4	4	8
Automotive rentals, without drivers .....	7510	6	6	9	9	6	6	8	9
Automobile parking .....	7520	12	18	15	20	12	18	15	20
Automotive repair shops .....	7530	4	5	5	10	4	5	5	10
Automotive services, except repair .....	7540	17	24	19	59	17	25	19	59
Miscellaneous repair services .....	7600	5	6	6	9	5	6	6	9
Electrical repair shops .....	7620	12	13	14	19	13	13	14	20
Miscellaneous repair shops .....	7690	5	6	7	10	5	6	7	10
Motion pictures .....	7800	10	9	12	12	10	9	12	12
Motion picture production and services .....	7810	11	10	12	10	11	10	13	10
Motion picture theaters .....	7830	22	24	29	40	23	24	29	40
Amusement and recreation services .....	7900	10	10	13	10	10	10	13	10
Bowling and billiard establishments .....	7930	11	13	14	14	11	13	15	14
Miscellaneous amusement, recreational services .....	7990	4	5	5	9	4	5	5	9
Health services .....	8000	2	2	4	3	2	2	4	3
Nursing and personal care facilities .....	8050	3	3	4	5	3	3	4	5
Hospitals .....	8060	3	2	5	4	3	2	5	4
Legal services .....	8100	5	7	7	26	5	7	7	30
Educational services .....	8200	5	5	6	7	5	5	6	7
Colleges and universities .....	8220	4	4	6	6	5	4	6	6
Social services .....	8300	4	4	5	6	4	4	5	6
Individual and family services .....	8320	9	10	12	12	9	10	12	12
Job training and related services .....	8330	8	10	10	14	8	10	10	14
Residential care .....	8360	5	6	7	9	5	6	7	9
Social services, n.e.c. ....	8390	7	8	8	12	7	8	8	12
Museums, botanical, zoological gardens .....	8400	4	5	5	11	4	5	5	12
Museums and art galleries .....	8410	6	8	7	21	6	8	7	22
Botanical and zoological gardens .....	8420	4	4	5	7	5	5	6	7
Miscellaneous services .....	8900	7	7	9	13	7	8	9	13
Engineering and architectural services .....	8910	9	9	11	17	9	9	11	18
Noncommercial research organizations .....	8920	9	12	10	10	9	12	10	10
Accounting, auditing and bookkeeping .....	8930	19	20	25	35	19	20	26	35

<sup>1</sup> Standard Industrial Classification Manual, 1972 Edition, 1977 Supplement.

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

<sup>3</sup> Relative standard error of zero or less than .5.

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

n.e.c. = not elsewhere classified.

**Table A-2. Relative standard errors for measures of occupational illness by industry, 1984**

Industry	SIC code <sup>1</sup>	Relative standard error (percent) <sup>2</sup>	Industry	SIC code <sup>1</sup>	Relative standard error (percent) <sup>2</sup>
		Total cases			Total cases
Private sector .....		2	Concrete, gypsum, and plaster products .....	3270	16
Agriculture, forestry, and fishing .....		11	Cut stone and stone products .....	3280	28
Agricultural production .....	01-02	14	Miscellaneous nonmetallic mineral products .....	3290	10
Agricultural services .....	0700	20	Primary metal industries .....	3300	8
Forestry .....	0800	33	Blast furnace and basic steel products .....	3310	21
Fishing, hunting, and trapping .....	0900	-	Iron and steel foundries .....	3320	11
Mining .....		17	Primary nonferrous metals .....	3330	16
Oil and gas extraction .....	1300	22	Secondary nonferrous metals .....	3340	36
Construction .....		8	Nonferrous rolling and drawing .....	3350	21
General building contractors .....	1500	17	Nonferrous foundries .....	3360	16
Residential building construction .....	1520	27	Miscellaneous primary metal products .....	3390	22
Operative builders .....	1530	34	Fabricated metal products .....	3400	5
Nonresidential building construction .....	1540	24	Metal cans and shipping containers .....	3410	14
Heavy construction contractors .....	1600	17	Cutlery, hand tools, and hardware .....	3420	9
Highway and street construction .....	1610	27	Plumbing and heating, except electric .....	3430	8
Heavy construction, except highway .....	1620	20	Fabricated structural metal products .....	3440	20
Special trade contractors .....	1700	11	Screw machine products, bolts, etc. ....	3450	16
Plumbing, heating, air conditioning .....	1710	18	Metal forgings and stampings .....	3460	9
Painting, paper hanging, decorating .....	1720	47	Metal services, n.e.c. ....	3470	13
Electrical work .....	1730	26	Ordnance and accessories, n.e.c. ....	3480	9
Masonry, stonework, and plastering .....	1740	30	Miscellaneous fabricated metal products .....	3490	13
Carpentering and flooring .....	1750	53	Machinery, except electrical .....	3500	6
Roofing and sheet metal work .....	1760	27	Engines and turbines .....	3510	8
Concrete work .....	1770	42	Farm and garden machinery .....	3520	20
Water well drilling .....	1780	42	Construction and related machinery .....	3530	37
Miscellaneous special trade contractors .....	1790	27	Metalworking machinery .....	3540	10
Manufacturing .....		2	Special industry machinery .....	3550	11
Durable goods .....		2	General industrial machinery .....	3560	8
Lumber and wood products .....	2400	8	Office and computing machines .....	3570	24
Logging camps and logging contractors .....	2410	27	Refrigeration and service machinery .....	3580	10
Sawmills and planing mills .....	2420	19	Miscellaneous machinery, except electrical .....	3590	17
Millwork, plywood and structural members .....	2430	8	Electric and electronic equipment .....	3600	6
Wood containers .....	2440	20	Electric distributing equipment .....	3610	14
Wood buildings and mobile homes .....	2450	19	Electrical industrial apparatus .....	3620	11
Miscellaneous wood products .....	2490	17	Household appliances .....	3630	6
Furniture and fixtures .....	2500	6	Electric lighting and wiring equipment .....	3640	9
Household furniture .....	2510	11	Radio and TV receiving equipment .....	3650	24
Office furniture .....	2520	7	Communication equipment .....	3660	17
Public building and related furniture .....	2530	13	Electronic components and accessories .....	3670	14
Partitions and fixtures .....	2540	19	Miscellaneous electrical equipment and supplies .....	3690	11
Miscellaneous furniture and fixtures .....	2590	20	Transportation equipment .....	3700	5
Stone, clay, and glass products .....	3200	7	Motor vehicles and equipment .....	3710	9
Flat glass .....	3210	16	Aircraft and parts .....	3720	10
Glass and glassware, pressed or blown .....	3220	18	Ship and boat building and repairing .....	3730	8
Products of purchased glass .....	3230	18	Railroad equipment .....	3740	21
Cement, hydraulic .....	3240	22	Motorcycles, bicycles, and parts .....	3750	23
Structural clay products .....	3250	16	Guided missiles, space vehicles, parts .....	3760	6
Pottery and related products .....	3260	8	Miscellaneous transportation equipment .....	3790	10

See footnotes at end of table.

**Table A-2. Relative standard errors for measures of occupational illness by industry, 1984—Continued**

Industry	SIC code <sup>1</sup>	Relative standard error (percent) <sup>2</sup>		Industry	SIC code <sup>1</sup>	Relative standard error (percent) <sup>2</sup>	
		Total cases				Total cases	
Instruments and related products .....	3800	9		Paper mills, except building paper .....	2620	14	
Engineering and scientific instruments .....	3810	33		Paperboard mills .....	2630	21	
Measuring and controlling devices .....	3820	13		Miscellaneous converted paper products .....	2640	18	
Optical instruments and lenses .....	3830	38		Paperboard containers and boxes .....	2650	13	
Medical instruments and supplies .....	3840	28		Building paper and board mills .....	2660	28	
Ophthalmic goods .....	3850	22		Printing and publishing .....	2700	9	
Photographic equipment and supplies .....	3860	15		Newspapers .....	2710	18	
Watches, clocks, and watchcases .....	3870	28		Periodicals .....	2720	35	
Miscellaneous manufacturing industries .....	3900	13		Books .....	2730	16	
Jewelry, silverware, and plated ware .....	3910	20		Miscellaneous publishing .....	2740	36	
Musical instruments .....	3930	24		Commercial printing .....	2750	16	
Toys and sporting goods .....	3940	23		Manifold business forms .....	2760	28	
Pens, pencils, office and art supplies .....	3950	12		Greeting card publishing .....	2770	14	
Costume jewelry and notions .....	3960	49		Blankbooks and bookbinding .....	2780	26	
Miscellaneous manufactures .....	3990	13		Printing trade services .....	2790	28	
Nondurable goods .....		3		Chemicals and allied products .....	2800	11	
Food and kindred products .....	2000	4		Industrial inorganic chemicals .....	2810	51	
Meat products .....	2010	5		Plastics materials and synthetics .....	2820	24	
Dairy products .....	2020	14		Drugs .....	2830	28	
Preserved fruits and vegetables .....	2030	12		Soap, cleaners, and toilet goods .....	2840	16	
Grain mill products .....	2040	16		Paints and allied products .....	2850	25	
Bakery products .....	2050	13		Industrial organic chemicals .....	2860	20	
Sugar and confectionery products .....	2060	12		Agricultural chemicals .....	2870	53	
Fats and oils .....	2070	15		Miscellaneous chemical products .....	2890	17	
Beverages .....	2080	16		Petroleum and coal products .....	2900	19	
Miscellaneous foods and kindred products .....	2090	18		Petroleum refining .....	2910	24	
Tobacco manufactures .....	2100	13		Paving and roofing materials .....	2950	-	
Cigarettes .....	2110	23		Miscellaneous petroleum and coal products .....	2990	23	
Cigars .....	2120	21		Rubber and miscellaneous plastics products .....	3000	11	
Chewing and smoking tobacco .....	2130	29		Tires and inner tubes .....	3010	24	
Tobacco stemming and redrying .....	2140	14		Rubber and plastics footwear .....	3020	22	
Textile mill products .....	2200	9		Reclaimed rubber .....	3030	53	
Weaving mills, cotton .....	2210	31		Rubber and plastics hose and belting .....	3040	15	
Weaving mills, synthetics .....	2220	35		Fabricated rubber products, n.e.c .....	3060	13	
Weaving and finishing mills, wool .....	2230	12		Miscellaneous plastics products .....	3070	14	
Narrow fabric mills .....	2240	24		Leather and leather products .....	3100	9	
Knitting mills .....	2250	19		Leather tanning and finishing .....	3110	15	
Textile finishing, except wool .....	2260	26		Boot and shoe cut stock and findings .....	3130	23	
Floor covering mills .....	2270	51		Footwear, except rubber .....	3140	12	
Yarn and thread mills .....	2280	14		Leather gloves and mittens .....	3150	46	
Miscellaneous textile goods .....	2290	10		Luggage .....	3160	27	
Apparel and other textile products .....	2300	8		Handbags and personal leather goods .....	3170	16	
Men's and boys' suits and coats .....	2310	33		Leather goods, nec. ....	3190	52	
Men's and boys' furnishings .....	2320	12		Transportation and public utilities .....		6	
Women's and misses' outerwear .....	2330	24		Local and interurban passenger transit .....	4100	44	
Women's and children's undergarments .....	2340	44		Trucking and warehousing .....	4200	21	
Hats, caps, and millinery .....	2350	33		Water transportation .....	4400	20	
Children's outerwear .....	2360	32		Transportation by air .....	4500	12	
Miscellaneous apparel and accessories .....	2380	18		Pipe lines, except natural gas .....	4600	-	
Miscellaneous fabricated textile products .....	2390	14		Transportation services .....	4700	-	
Paper and allied products .....	2600	9		Communication .....	4800	15	
Pulp mills .....	2610	12		Electric, gas, and sanitary services .....	4900	10	
				Wholesale and retail trade .....		12	
				Wholesale trade .....		17	

See footnotes at end of table.

**Table A-2. Relative standard errors for measures of occupational illness by industry, 1984—Continued**

Industry	SIC code <sup>1</sup>	Relative standard error (percent) <sup>2</sup>		Industry	SIC code <sup>1</sup>	Relative standard error (percent) <sup>2</sup>	
		Total cases				Total cases	
Wholesale trade-durable goods .....	5000	22		Insurance agents, brokers and service .....	6400	52	
Wholesale trade-nondurable goods .....	5100	28		Real estate .....	6500	37	
Retail trade .....		17		Combined real estate, insurance, etc. ....	6600	40	
Building materials and garden supplies .....	5200	36		Services .....		9	
General merchandise stores .....	5300	22		Hotels and other lodging places .....	7000	15	
Food stores .....	5400	35		Personal services .....	7200	49	
Automotive dealers and service stations .....	5500	29		Business services .....	7300	30	
Apparel and accessory stores .....	5600	-		Auto repair, services, and garages .....	7500	38	
Furniture and home furnishing stores .....	5700	33		Miscellaneous repair services .....	7600	36	
Eating and drinking places .....	5800	36		Motion pictures .....	7800	40	
Miscellaneous retail .....	5900	56		Amusement and recreation services .....	7900	40	
Finance, insurance, and real estate .....		19		Health services .....	8000	12	
Banking .....	6000	32		Legal services .....	8100	35	
Credit agencies other than banks .....	6100	42		Educational services .....	8200	23	
Security, commodity brokers and services .....	6200	28		Social services .....	8300	30	
Insurance carriers .....	6300	38		Museums, botanical, zoological gardens .....	8400	16	
				Miscellaneous services .....	8900	35	

<sup>1</sup> Standard Industrial Classification Manual, 1972 Edition, 1977 Supplement.

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

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

n.e.c. = not elsewhere classified.

Table A-3. Relative standard errors for measures of occupational illnesses by industry and category of illness, 1984

Industry	SIC code <sup>1</sup>	Relative standard error (percent) <sup>2</sup>						
		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 .....		3	7	6	8	6	2	5
Agriculture, forestry, and fishing .....		10	49	24	19	17	25	17
Agricultural production .....	01-02	11	-	22	30	22	35	25
Agricultural services .....	0700	20	47	-	21	25	45	23
Forestry .....	0800	16	( <sup>3</sup> )	( <sup>3</sup> )	-	50	50	-
Fishing, hunting, and trapping .....	0900	49	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	-
Mining .....		22	3	47	38	37	8	30
Oil and gas extraction .....	1300	24	37	48	-	41	31	30
Construction .....		10	32	14	20	20	21	13
General building contractors .....	1500	27	55	22	28	57	57	27
Residential building construction .....	1520	47	46	28	25	-	-	41
Operative builders .....	1530	38	( <sup>3</sup> )	-	-	37	44	46
Nonresidential building construction .....	1540	33	-	30	-	59	-	39
Heavy construction contractors .....	1600	16	57	34	-	39	19	26
Highway and street construction .....	1610	28	-	54	-	40	-	48
Heavy construction, except highway .....	1620	18	50	38	-	48	18	30
Special trade contractors .....	1700	13	51	20	27	26	31	18
Plumbing, heating, air conditioning .....	1710	24	-	21	43	26	-	31
Painting, paper hanging, decorating .....	1720	57	( <sup>3</sup> )	56	-	27	-	-
Electrical work .....	1730	24	-	41	-	-	-	-
Masonry, stonework, and plastering .....	1740	38	-	-	-	-	-	34
Carpentering and flooring .....	1750	-	( <sup>3</sup> )	-	-	-	39	-
Roofing and sheet metal work .....	1760	39	-	-	-	39	-	30
Concrete work .....	1770	39	-	-	-	-	-	57
Water well drilling .....	1780	40	( <sup>3</sup> )	55	( <sup>3</sup> )	-	( <sup>3</sup> )	-
Miscellaneous special trade contractors .....	1790	29	-	43	-	-	-	53
Manufacturing .....		2	6	5	8	6	1	5
Durable goods .....		2	8	6	10	7	2	5
Lumber and wood products .....	2400	8	16	9	18	24	10	16
Logging camps and logging contractors .....	2410	43	( <sup>3</sup> )	( <sup>3</sup> )	-	59	21	56
Sawmills and planing mills .....	2420	18	24	20	31	25	22	27
Millwork, plywood and structural members .....	2430	6	22	13	27	40	5	22
Wood containers .....	2440	21	-	( <sup>3</sup> )	42	54	30	33
Wood buildings and mobile homes .....	2450	11	45	15	( <sup>3</sup> )	47	23	25
Miscellaneous wood products .....	2490	16	( <sup>3</sup> )	51	20	54	21	26
Furniture and fixtures .....	2500	6	33	13	-	17	4	15
Household furniture .....	2510	9	31	19	-	30	10	22
Office furniture .....	2520	11	-	-	-	35	1	7
Public building and related furniture .....	2530	13	( <sup>3</sup> )	17	( <sup>3</sup> )	19	2	( <sup>3</sup> )
Partitions and fixtures .....	2540	26	32	8	22	35	5	-
Miscellaneous furniture and fixtures .....	2590	19	( <sup>3</sup> )	19	17	56	11	43
Stone, clay, and glass products .....	3200	7	17	31	20	13	5	15
Flat glass .....	3210	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	1	( <sup>3</sup> )
Glass and glassware, pressed or blown .....	3220	19	58	35	17	19	11	37
Products of purchased glass .....	3230	10	38	20	43	-	6	-
Cement, hydraulic .....	3240	30	( <sup>3</sup> )	39	( <sup>3</sup> )	( <sup>3</sup> )	18	10
Structural clay products .....	3250	11	56	15	( <sup>3</sup> )	22	15	-
Pottery and related products .....	3260	10	( <sup>3</sup> )	3	( <sup>3</sup> )	18	3	29
Concrete, gypsum, and plaster products .....	3270	17	-	-	54	29	25	19
Cut stone and stone products .....	3280	3	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	12	( <sup>3</sup> )	-
Miscellaneous nonmetallic mineral products .....	3290	8	20	35	22	11	14	16
Primary metal industries .....	3300	5	30	29	24	17	5	9
Blast furnace and basic steel products .....	3310	11	43	16	19	35	19	19
Iron and steel foundries .....	3320	8	15	15	21	20	6	21
Primary nonferrous metals .....	3330	9	20	15	1	6	15	-

See footnotes at end of table.

**Table A-3. Relative standard errors for measures of occupational illnesses by industry and category of illness, 1984—Continued**

Industry	SIC code <sup>1</sup>	Relative standard error (percent) <sup>2</sup>						
		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
Secondary nonferrous metals .....	3340	26	( <sup>3</sup> )	23	-	28	25	21
Nonferrous rolling and drawing .....	3350	12	-	-	13	18	12	16
Nonferrous foundries .....	3360	11	( <sup>3</sup> )	-	20	38	9	16
Miscellaneous primary metal products .....	3390	16	( <sup>3</sup> )	49	58	29	4	38
Fabricated metal products .....	3400	4	19	7	41	9	8	10
Metal cans and shipping containers .....	3410	14	( <sup>3</sup> )	16	44	19	19	27
Cutlery, hand tools, and hardware .....	3420	5	( <sup>3</sup> )	12	-	20	3	20
Plumbing and heating, except electric .....	3430	6	12	12	42	21	2	-
Fabricated structural metal products .....	3440	8	51	24	22	15	45	15
Screw machine products, bolts, etc. ....	3450	12	32	34	27	-	30	24
Metal forgings and stampings .....	3460	10	-	17	-	18	7	15
Metal services, n.e.c. ....	3470	12	21	14	-	24	19	15
Ordnance and accessories, n.e.c. ....	3480	11	1	8	47	12	1	14
Miscellaneous fabricated metal products .....	3490	12	21	27	22	15	8	-
Machinery, except electrical .....	3500	4	21	24	15	36	4	11
Engines and turbines .....	3510	4	43	14	8	18	3	14
Farm and garden machinery .....	3520	14	( <sup>3</sup> )	43	36	34	30	13
Construction and related machinery .....	3530	12	-	-	27	-	11	29
Metalworking machinery .....	3540	7	19	15	-	47	12	14
Special industry machinery .....	3550	7	51	16	16	20	9	29
General industrial machinery .....	3560	5	42	12	21	20	6	10
Office and computing machines .....	3570	27	40	46	24	15	20	18
Refrigeration and service machinery .....	3580	8	8	23	33	23	6	26
Miscellaneous machinery, except electrical .....	3590	13	44	26	59	58	14	-
Electric and electronic equipment .....	3600	5	23	12	22	15	3	17
Electric distributing equipment .....	3610	15	44	24	26	47	7	27
Electrical industrial apparatus .....	3620	8	-	22	-	24	10	11
Household appliances .....	3630	7	1	2	18	3	2	4
Electric lighting and wiring equipment .....	3640	7	30	13	15	25	5	13
Radio and TV receiving equipment .....	3650	16	( <sup>3</sup> )	39	-	36	20	41
Communication equipment .....	3660	11	42	21	-	-	11	24
Electronic components and accessories .....	3670	9	38	17	31	17	16	38
Miscellaneous electrical equipment and supplies .....	3690	11	31	30	18	25	5	34
Transportation equipment .....	3700	5	6	6	4	5	3	16
Motor vehicles and equipment .....	3710	9	16	12	8	13	5	42
Aircraft and parts .....	3720	7	34	9	8	14	7	20
Ship and boat building and repairing .....	3730	9	2	11	4	7	2	12
Railroad equipment .....	3740	12	-	41	57	( <sup>3</sup> )	15	36
Motorcycles, bicycles, and parts .....	3750	40	( <sup>3</sup> )	2	2	2	5	( <sup>3</sup> )
Guided missiles, space vehicles, parts .....	3760	3	( <sup>3</sup> )	13	7	6	9	4
Miscellaneous transportation equipment .....	3790	8	12	12	39	1	9	30
Instruments and related products .....	3800	7	22	21	38	19	4	14
Engineering and scientific instruments .....	3810	19	-	52	48	-	24	26
Measuring and controlling devices .....	3820	10	34	13	45	33	3	17
Optical instruments and lenses .....	3830	24	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	14	9	24
Medical instruments and supplies .....	3840	24	17	-	-	23	13	46
Ophthalmic goods .....	3850	4	( <sup>3</sup> )	26	33	4	21	23
Photographic equipment and supplies .....	3860	18	( <sup>3</sup> )	9	( <sup>3</sup> )	1	1	39
Watches, clocks, and watchcases .....	3870	40	( <sup>3</sup> )	26	44	44	7	29
Miscellaneous manufacturing industries .....	3900	18	23	12	52	19	4	16
Jewelry, silverware, and plated ware .....	3910	28	( <sup>3</sup> )	20	-	15	6	27
Musical instruments .....	3930	9	( <sup>3</sup> )	16	( <sup>3</sup> )	( <sup>3</sup> )	11	30
Toys and sporting goods .....	3940	27	34	24	-	28	7	24
Pens, pencils, office and art supplies .....	3950	4	( <sup>3</sup> )	7	( <sup>3</sup> )	19	8	16
Costume jewelry and notions .....	3960	-	34	19	43	-	13	45
Miscellaneous manufactures .....	3990	11	37	36	9	14	7	12
Nondurable goods .....		3	10	7	14	10	2	8
Food and kindred products .....	2000	4	32	11	19	16	3	9
Meat products .....	2010	5	18	20	16	27	3	6
Dairy products .....	2020	20	52	19	26	33	18	29
Preserved fruits and vegetables .....	2030	13	-	12	25	15	7	54
Grain mill products .....	2040	15	-	58	4	45	12	37

See footnotes at end of table.

**Table A-3. Relative standard errors for measures of occupational illnesses by industry and category of illness, 1984—Continued**

Industry	SIC code <sup>1</sup>	Relative standard error (percent) <sup>2</sup>						
		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
Bakery products .....	2050	14	44	20	38	20	11	33
Sugar and confectionery products .....	2060	9	( <sup>3</sup> )	7	27	14	14	16
Fats and oils .....	2070	16	( <sup>3</sup> )	29	25	20	27	15
Beverages .....	2080	31	57	24	-	53	13	20
Miscellaneous foods and kindred products .....	2090	12	-	55	29	42	31	20
Tobacco manufactures .....	2100	8	1	18	30	8	8	3
Cigarettes .....	2110	20	1	( <sup>3</sup> )	30	15	20	6
Cigars .....	2120	19	( <sup>3</sup> )	18	( <sup>3</sup> )	( <sup>3</sup> )	19	( <sup>3</sup> )
Chewing and smoking tobacco .....	2130	16	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	25	( <sup>3</sup> )	( <sup>3</sup> )
Tobacco stemming and redrying .....	2140	10	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	1	1	1
Textile mill products .....	2200	6	23	26	-	13	12	29
Weaving mills, cotton .....	2210	7	16	47	-	35	28	47
Weaving mills, synthetics .....	2220	27	41	-	-	( <sup>3</sup> )	-	( <sup>3</sup> )
Weaving and finishing mills, wool .....	2230	7	1	-	10	10	11	23
Narrow fabric mills .....	2240	18	( <sup>3</sup> )	10	-	30	14	( <sup>3</sup> )
Knitting mills .....	2250	30	20	-	13	10	14	31
Textile finishing, except wool .....	2260	10	( <sup>3</sup> )	25	11	25	40	39
Floor covering mills .....	2270	36	56	46	( <sup>3</sup> )	-	-	57
Yarn and thread mills .....	2280	10	52	18	15	30	22	35
Miscellaneous textile goods .....	2290	6	( <sup>3</sup> )	11	( <sup>3</sup> )	3	1	39
Apparel and other textile products .....	2300	9	37	16	6	23	8	21
Men's and boys' suits and coats .....	2310	44	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	10	-
Men's and boys' furnishings .....	2320	14	46	21	59	23	10	24
Women's and misses' outerwear .....	2330	15	-	-	-	-	38	26
Women's and children's undergarments .....	2340	38	( <sup>3</sup> )	30	( <sup>3</sup> )	-	26	-
Hats, caps, and millinery .....	2350	22	( <sup>3</sup> )	-	( <sup>3</sup> )	( <sup>3</sup> )	38	2
Children's outerwear .....	2360	20	( <sup>3</sup> )	-	( <sup>3</sup> )	23	47	-
Miscellaneous apparel and accessories .....	2380	17	( <sup>3</sup> )	24	2	41	39	12
Miscellaneous fabricated textile products .....	2390	15	29	28	( <sup>3</sup> )	24	8	33
Paper and allied products .....	2600	7	33	6	52	19	5	17
Pulp mills .....	2610	37	( <sup>3</sup> )	5	1	1	7	( <sup>3</sup> )
Paper mills, except building paper .....	2620	15	12	9	12	22	11	29
Paperboard mills .....	2630	49	( <sup>3</sup> )	12	( <sup>3</sup> )	27	21	33
Miscellaneous converted paper products .....	2640	13	6	11	-	37	6	23
Paperboard containers and boxes .....	2650	11	-	-	52	23	13	37
Building paper and board mills .....	2660	21	( <sup>3</sup> )	28	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )
Printing and publishing .....	2700	11	4	27	54	12	5	41
Newspapers .....	2710	15	2	-	-	7	12	59
Periodicals .....	2720	10	( <sup>3</sup> )	54	( <sup>3</sup> )	23	27	15
Books .....	2730	18	35	1	( <sup>3</sup> )	29	6	28
Miscellaneous publishing .....	2740	-	( <sup>3</sup> )	9	9	24	9	33
Commercial printing .....	2750	20	28	38	-	27	6	-
Manifold business forms .....	2760	18	( <sup>3</sup> )	-	22	58	47	-
Greeting card publishing .....	2770	1	( <sup>3</sup> )	1	( <sup>3</sup> )	20	1	( <sup>3</sup> )
Blankbooks and bookbinding .....	2780	24	( <sup>3</sup> )	-	-	35	32	23
Printing trade services .....	2790	19	( <sup>3</sup> )	58	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	14
Chemicals and allied products .....	2800	7	17	14	30	25	9	37
Industrial inorganic chemicals .....	2810	40	52	26	-	26	-	-
Plastics materials and synthetics .....	2820	18	7	39	-	-	-	18
Drugs .....	2830	10	10	31	59	24	12	-
Soap, cleaners, and toilet goods .....	2840	19	38	14	37	20	11	22
Paints and allied products .....	2850	19	( <sup>3</sup> )	19	( <sup>3</sup> )	48	( <sup>3</sup> )	32
Industrial organic chemicals .....	2860	14	19	23	40	34	18	33
Agricultural chemicals .....	2870	34	-	-	54	25	-	-
Miscellaneous chemical products .....	2890	12	16	19	26	43	7	-
Petroleum and coal products .....	2900	22	26	22	-	20	51	52
Petroleum refining .....	2910	28	26	21	-	19	51	26
Paving and roofing materials .....	2950	47	( <sup>3</sup> )	-	( <sup>3</sup> )	-	( <sup>3</sup> )	-
Miscellaneous petroleum and coal products .....	2990	24	( <sup>3</sup> )	14	1	1	( <sup>3</sup> )	10
Rubber and miscellaneous plastics products .....	3000	11	19	29	37	24	10	22

See footnotes at end of table.



**Table A-3. Relative standard errors for measures of occupational illnesses by industry and category of illness, 1984—Continued**

Industry	SIC code <sup>1</sup>	Relative standard error (percent) <sup>2</sup>						
		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
Tires and inner tubes .....	3010	32	( <sup>3</sup> )	9	( <sup>3</sup> )	( <sup>3</sup> )	26	12
Rubber and plastics footwear .....	3020	12	( <sup>3</sup> )	33	( <sup>3</sup> )	28	14	28
Reclaimed rubber .....	3030	49	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )
Rubber and plastics hose and belting .....	3040	17	15	4	4	1	2	10
Fabricated rubber products, n.e.c. ....	3060	10	29	11	27	19	15	41
Miscellaneous plastics products .....	3070	15	27	42	40	33	14	27
Leather and leather products .....	3100	7	20	9	10	16	7	20
Leather tanning and finishing .....	3110	8	31	16	12	19	24	-
Boot and shoe cut stock and findings .....	3130	20	9	4	( <sup>3</sup> )	( <sup>3</sup> )	9	( <sup>3</sup> )
Footwear, except rubber .....	3140	13	40	16	17	35	7	14
Leather gloves and mittens .....	3150	51	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	17	( <sup>3</sup> )
Luggage .....	3160	59	( <sup>3</sup> )	-	( <sup>3</sup> )	( <sup>3</sup> )	12	47
Handbags and personal leather goods .....	3170	7	1	27	( <sup>3</sup> )	( <sup>3</sup> )	9	1
Leather goods, nec. ....	3190	40	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )
Transportation and public utilities .....		7	18	12	13	13	12	11
Wholesale and retail trade .....		17	50	36	34	31	20	18
Wholesale trade .....		21	-	50	51	39	28	30
Retail trade .....		27	50	52	42	45	29	22
Finance, insurance, and real estate .....		28	-	37	59	-	19	20
Services .....		8	38	15	22	20	18	9

<sup>1</sup> Standard Industrial Classification Manual, 1972 Edition, 1977 Supplement.

<sup>2</sup> See discussion on the reliability of estimates

<sup>3</sup> Relative standard error of zero or less than .5.

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

n.e.c. = not elsewhere classified.

**Table A-4. Relative standard errors for occupational injury and illness fatalities for employers with 11 employee or more by industry division, 1984**

Industry	Relative standard error <sup>1</sup>
Private sector .....	8
Agriculture, forestry, and fishing .....	26
Mining .....	13
Construction .....	12
Manufacturing .....	6
Transportation and public utilities .....	13
Wholesale and retail trade .....	58
Finance, insurance, and real estate .....	39
Services .....	21

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

# Appendix B. Incidence Rates for Safety Management

Incidence rates can be used to show the relative level of injuries and illnesses among different industries, firms, or operations within a single firm. Because a common base and a specific period of time are involved, these rates can help determine both problem areas and progress in preventing work-related injuries and illnesses.

## How to compute incidence rates

An incidence rate of occupational injuries and illnesses can be calculated quickly and easily. The formula requires:

(a) *The number of injuries and illnesses.* Count the number of recordable cases from the Log and Summary of Occupational Injuries and Illnesses, OSHA No. 200 (Appendix C), or refer to the TOTALS line for the yearly total for fatalities, injuries and illnesses with lost workdays, and injuries and illnesses without lost workdays.

(b) *The number of hours all employees actually worked.* Use payroll or other time records. "Hours worked" should not include any nonwork time, even though paid, such as vacation, sick leave, holidays, etc. (If actual hours worked are not available for employees paid on commission, by salary, or by the mile, etc., hours worked may be estimated on the basis of scheduled hours or 8 hours per workday.)

An incidence rate of injuries and illnesses may be computed from the following formula:

$$(a) \text{ Number of injuries and illnesses X 200,000} = \text{Incidence rate}$$

$$(b) \text{ Employee hours worked}$$

(The 200,000 hours in the formula represents the equivalent of 100 employees working 40 hours per week, 50 weeks per year, and provides the standard base for the incidence rates.)

NOTE: You can use the same formula to compute incidence rates for:

- (1) The number of lost workday injuries and illnesses;
- (2) The number of nonfatal injuries and illnesses without lost workdays;
- (3) Cases involving only injuries or only illnesses.

Here is an example of how to compute an incidence rate:

Jones Furniture Co. recorded 11 injuries and illnesses (from log and summary, OSHA No. 200). The total hours worked by all employees were 130,000 (from payroll or other time records).

$$\frac{11 \times 200,000}{130,000} = 16.9$$

Therefore, Jones Furniture Co. experienced a rate of 16.9 injuries and illnesses per 100 full-time employees.

To compute an incidence rate for your own firm, enter the data in the appropriate spaces below and complete the formula.

Number of injuries and illnesses in your firm	X 200,000	Incidence rate for your firm
		=
Hours worked by all your employees		(Round to the nearest tenth)

The incidence rate for your firm is the number of injuries and illnesses per 100 full-time employees.

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

Dear Employer:

The Occupational Safety and Health Act of 1970 requires the Secretary of Labor to collect, compile, and analyze statistics on occupational injuries and illnesses. This is accomplished through a joint Federal/State survey program with States that have received Federal grants for collecting and compiling statistics. Establishments are selected for this survey on a sample basis with varying probabilities depending upon size. Certain establishments may be included in each year's sample because of their importance to the statistics for their industry.

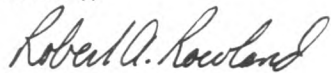
You have been selected to participate in the nationwide Occupational Injuries and Illnesses Survey for 1984. Under the Occupational Safety and Health Act, your report is mandatory.

The following items are enclosed for your use: (1) Instructions for completing the form; (2) The OSHA No. 200-S form and a copy for your files; and (3) An addressed return envelope. Please complete the OSHA No. 200-S form and return it within three weeks in the envelope provided.

If you have any questions about this survey, contact the survey collection agency indicated on the OSHA No. 200-S form.

Thank you for your cooperation with this important survey.

Sincerely,



ROBERT A. ROWLAND  
Assistant Secretary for  
Occupational Safety and Health



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. 1220-0045  
Approval Exp. 3/31/87

St. Sch. No. Ck. Suf.

SIC

EDIT

Complete this report whether or not there were recordable occupational injuries or illnesses.  
PLEASE READ THE ENCLOSED INSTRUCTIONS

Complete and return ONLY THIS FORM within 3 weeks

<p><b>I. ANNUAL AVERAGE EMPLOYMENT IN 1984</b></p> <p>Enter the average number of employees who worked during calendar year 1984 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: 40px; width: 100%;"></div>	<p><b>II. TOTAL HOURS WORKED IN 1984</b></p> <p>Enter the total number of hours actually worked during 1984 by <b>all</b> 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 1984 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: 40px; width: 100%;"></div>	<p><b>III. NATURE OF BUSINESS IN 1984</b></p> <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 1984 annual value of production, sales or receipts.</p> <div style="border: 1px solid black; width: 100%; height: 20px; margin-bottom: 5px;"></div> <div style="text-align: right; margin-right: 5px;">%</div> <div style="border: 1px solid black; width: 100%; height: 20px; margin-bottom: 5px;"></div> <div style="text-align: right; margin-right: 5px;">%</div> <div style="border: 1px solid black; width: 100%; height: 20px;"></div> <div style="text-align: right; margin-right: 5px;">%</div>	<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> <ol 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> </ol>	<p><b>IV. MONTH OF OSHA INSPECTION</b></p> <p>If the establishment(s) covered by this report had either a Federal or State OSHA compliance inspection during calendar year 1984, please enter the name of the month in which the <b>first</b> inspection occurred.</p> <div style="border: 1px solid black; width: 100%; height: 20px; margin-top: 10px;"></div> <p style="text-align: right; margin-top: 10px;">(Leave this box blank.)</p>	<p><b>V. RECORDABLE INJURIES AND ILLNESSES</b></p> <p>Did the establishment(s) have any recordable injuries or illnesses during calendar year 1984?</p> <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> No (Please complete section VII.)</li> <li>2. <input type="checkbox"/> Yes (Please complete sections VI and VII.)</li> </ol> <p style="text-align: right; margin-top: 10px;">SEE REVERSE →</p>
---	--	--	--	---	--	---

**REPORT LOCATION AND IDENTIFICATION**

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

Please indicate any address changes below.

**RETURN REPORT TO:**

**For Information Call:**

**VI. OCCUPATIONAL INJURY AND ILLNESS SUMMARY (Covering Calendar Year 1984)**

- Complete this section by copying totals from the annual summary of your 1984 OSHA No. 200.
- Remember to reverse the carbon insert before completing this side.
- Leave section VI blank if there were no OSHA recordable injuries or illnesses during 1984.
- Note: First aid even when administered by a doctor or nurse is not recordable.
- 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).
- If you listed fatalities in columns (1) and/or (8), please give a brief description of the object or event which caused each fatality in the "Comments" section.

OCCUPATIONAL INJURY CASES						OCCUPATIONAL ILLNESS CASES													
INJURY RELATED FATALITIES** (DEATHS)	INJURIES WITH LOST WORKDAYS				INJURIES WITHOUT LOST WORK-DAYS*	TYPE OF ILLNESS							ILLNESS RELATED FATALITIES** (DEATHS)	ILLNESSES WITH LOST WORKDAYS				ILLNESSES WITHOUT LOST WORK-DAYS*	
	Enter the number of checks from the appropriate columns of the log (OSHA No. 200).																		
	Injury cases with days away from work and/or restricted workdays	Injury cases with days away from work	Total days away from work	Total days of restricted 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		Illness cases with days away from work and/or restricted workdays	Illness cases with days away from work	Total days away from work	Total days of restricted activity		
Number of DEATHS in col. 1 of the log (OSHA No. 200)	Number of CHECKS in col. 2 of the log (OSHA No. 200)	Number of CHECKS in col. 3 of the log (OSHA No. 200)	Sum of the DAYS in col. 4 of the log (OSHA No. 200)	Sum of the DAYS in col. 5 of the log (OSHA No. 200)	Number of CHECKS in col. 6 of the log (OSHA No. 200)	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(7)	Number of DEATHS in col. 8 of the log (OSHA No. 200)	Number of CHECKS in col. 9 of the log (OSHA No. 200)	Number of CHECKS in col. 10 of the log (OSHA No. 200)	Sum of the DAYS in col. 11 of the log (OSHA No. 200)	Sum of the DAYS in col. 12 of the log (OSHA No. 200)	Number of CHECKS in col. 13 of the log (OSHA No. 200)
(1)	(2)	(3)	(4)	(5)	(6)	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
<b>DEATHS</b>														<b>DEATHS</b>					

\* WITHOUT LOST WORKDAYS—CASES (WITH NO DAYS LOST) RESULTING IN EITHER: DIAGNOSIS OF OCCUPATIONAL ILLNESS, LOSS OF CONSCIOUSNESS, RESTRICTION OF WORK OR MOTION, TRANSFER TO ANOTHER JOB, OR MEDICAL TREATMENT BEYOND FIRST AID.

**VII. REPORT PREPARED BY (Please type or print)**

NAME \_\_\_\_\_  
 TITLE \_\_\_\_\_  
 SIGNATURE \_\_\_\_\_  
 AREA CODE \_\_\_\_\_ PHONE \_\_\_\_\_  
 DATE \_\_\_\_\_

\*\*IF YOU LISTED FATALITIES IN COLUMNS (1) AND/OR (8), PLEASE GIVE A BRIEF DESCRIPTION OF THE OBJECT OR EVENT WHICH CAUSED EACH FATALITY IN THE "COMMENTS" SECTION BELOW.

COMMENTS \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

### 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 1984 OCCUPATIONAL INJURIES AND ILLNESSES SURVEY (Covering Calendar Year 1984)

**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), and include the date of the ownership change and the time period this report covers.

**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), including the time period this report covers.

### 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 salespersons, technicians, engineers, etc., should cover the location from which they are paid or the base from which personnel operate to carry out their activities.

### SECTION I. ANNUAL AVERAGE EMPLOYMENT IN 1984

Enter in Section I the **average** (not the total) number of full and part-time employees who worked during calendar year 1984 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 1984 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 1984

Enter in Section II the **total** number of hours actually **worked** by all classes of employees during 1984. 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 1984

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 1984.

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 1984 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 box. If you checked "Yes," complete Sections VI and VII on the back of the form. If you checked "No," 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 1984 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 1984.

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 days away from work and/or restricted days (Log column 2)
3. INJURIES without lost workdays (Log column 6)
4. ILLNESS—related deaths (Log column 8)
5. ILLNESSES with days away from work and/or restricted days (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. Each partial day away from work, other than the day of the occurrence of the injury or onset of illness, should be entered as one full restricted workday.

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. If you entered fatalities in columns (1) and/or (8), please include in the "Comments" section a brief description of the object or event which caused each fatality.

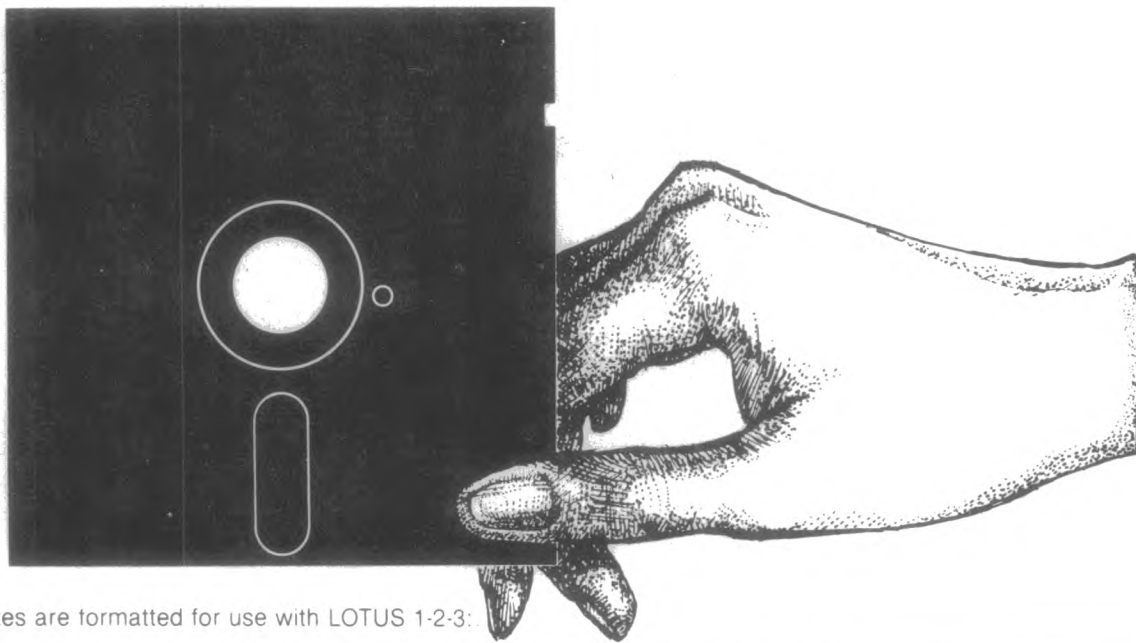
**FIRST AID**

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.

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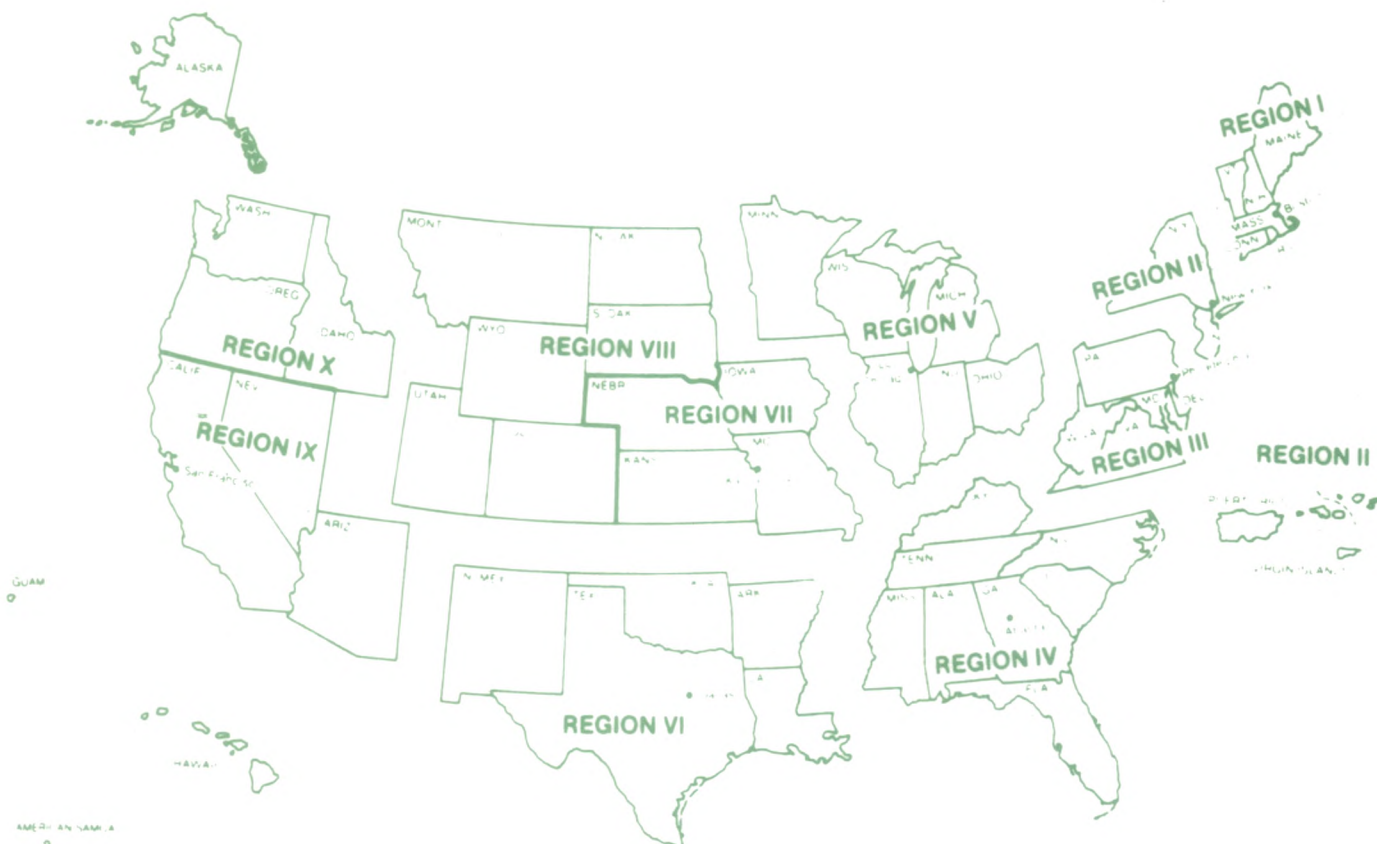
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