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Occupational Injuries and Illnesses in the United States by Industry, 1981



U.S. Department of Labor
Bureau of Labor Statistics

January 1983

Bulletin 2164

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U.S. Department of Labor
Raymond J. Donovan
Bureau of Labor Statistics
Janet L. Norwood, Commissioner
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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 1980 and 1981. Report forms were mailed to employers in the year following the reference year of each survey.

This publication was prepared in the Office of Occupational Safety and Health Statistics, William Mead, Associate Commissioner, by the staff of the Division of

Periodic Surveys, under the direction of John Inzana. Data were collected and tabulated under the general direction of the Office of Statistical Operations in cooperation with the regional offices of the Bureau of Labor Statistics and the State agencies which received Federal funds from 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). |

Table 1. Occupational injury and illness incidence rates by industry, 1980 and 1981

Industry 1/	SIC code 2/	1981 annual average employment (000's) 3/	Incidence rates per 100 full-time workers 4/							
			Total cases 5/		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
			1980	1981	1980	1981	1980	1981	1980	1981
Private sector 6/.....		75,678.9	8.7	8.3	4.0	3.8	4.7	4.5	65.2	61.7
Agriculture, forestry, and fishing 6/.....		1,017.6	11.9	12.3	5.8	5.9	6.1	6.3	82.7	82.8
Agricultural production 6/.....	01-02	n.a.	13.1	13.3	6.2	6.5	6.8	6.8	86.0	87.6
Agricultural services.....	07	n.a.	10.5	11.2	5.2	5.3	5.3	5.8	77.9	77.3
Forestry.....	08	n.a.	10.0	10.0	5.1	5.1	4.9	4.8	89.3	79.8
Fishing, hunting, and trapping.....	09	n.a.	5.3	5.0	2.3	2.7	3.0	2.0	64.0	56.4
Mining 7/.....		1,132.0	11.2	11.6	6.5	6.2	4.6	5.3	163.6	146.4
Metal mining 7/.....	10	104.1	8.9	8.2	5.5	4.9	3.4	3.2	129.3	120.6
Anthracite mining 7/.....	11	3.4	13.8	14.3	8.5	8.8	5.2	5.4	276.7	408.7
Bituminous coal and lignite mining 7/.....	12	218.9	10.1	9.0	8.3	7.4	1.8	1.5	252.3	226.1
Oil and gas extraction.....	13	686.2	13.4	14.1	6.7	6.6	6.6	7.4	152.7	139.4
Crude petroleum and natural gas.....	131	n.a.	3.8	4.1	1.7	1.9	2.1	2.2	31.5	34.8
Natural gas liquids.....	132	n.a.	4.6	5.1	1.5	2.1	3.1	3.0	25.7	56.3
Oil and gas field services.....	138	421.5	19.3	19.7	9.8	9.3	9.5	10.3	227.6	198.1
Nonmetallic minerals, except fuels 7/.....	14	119.0	5.4	4.7	3.6	3.1	1.8	1.6	88.8	72.4
Construction.....		4,176.0	15.7	15.1	6.5	6.3	9.1	8.8	117.0	113.1
General building contractors.....	15	1,086.6	15.5	15.1	6.5	6.1	9.0	9.0	113.0	107.1
Residential building construction.....	152	513.5	11.9	11.9	5.8	5.5	6.1	6.4	100.6	99.1
Operative builders.....	153	60.5	12.4	11.5	5.2	5.1	7.1	6.3	74.9	77.5
Nonresidential building construction.....	154	512.9	19.4	18.5	7.3	6.8	12.1	11.7	129.6	117.8
Heavy construction contractors.....	16	903.2	16.3	14.9	6.3	6.0	9.9	8.9	117.6	106.0
Highway and street construction.....	161	245.9	15.6	14.0	6.1	5.8	9.4	8.2	122.7	113.7
Heavy construction, except highway.....	162	657.3	16.6	15.3	6.4	6.0	10.2	9.2	115.6	103.2
Special trade contractors.....	17	2,185.9	15.5	15.2	6.7	6.6	8.8	8.6	118.9	119.3
Plumbing, heating, and air-conditioning....	171	522.2	16.2	15.7	5.8	6.0	10.4	9.7	95.4	98.7
Painting, paperhanging, and decorating....	172	133.8	9.7	9.0	5.0	4.8	4.6	4.2	115.0	103.0
Electrical work.....	173	412.9	14.2	14.0	5.1	5.2	9.1	8.8	86.1	91.6
Masonry, stonework, and plastering.....	174	326.6	16.2	15.8	7.7	7.5	8.5	8.3	137.5	138.6
Carpentering and flooring.....	175	119.7	12.7	12.6	6.9	6.4	5.8	6.2	115.6	110.0
Roofing and sheet-metal work.....	176	155.1	20.7	20.0	11.3	10.2	9.3	9.7	217.2	200.8
Concrete work.....	177	n.a.	14.8	13.5	7.1	6.8	7.7	6.7	120.6	127.4
Water well drilling.....	178	n.a.	15.7	13.2	8.4	7.1	7.3	6.1	143.2	147.0
Miscellaneous special trade contractors...	179	n.a.	16.2	17.1	7.3	7.5	8.8	9.5	135.0	138.5
Manufacturing.....		20,173.0	12.2	11.5	5.4	5.1	6.8	6.4	86.7	82.0
Durable goods.....		12,117.0	12.9	12.1	5.6	5.3	7.3	6.8	90.9	84.9
Lumber and wood products.....	24	668.7	18.6	17.6	9.5	9.0	9.1	8.6	171.8	158.4
Logging camps and logging contractors.....	241	82.0	22.7	19.3	13.9	12.3	8.6	6.9	338.9	289.3
Sawmills and planing mills.....	242	206.2	17.8	17.2	9.8	9.2	8.0	8.0	181.0	168.0
Sawmills and planing mills, general.....	2421	171.5	17.5	16.8	9.8	9.1	7.7	7.6	182.9	172.6
Hardwood dimension and flooring.....	2426	29.8	17.8	18.1	8.5	8.6	9.3	9.5	137.4	134.3
Special product sawmills, n.e.c.....	2429	n.a.	27.9	27.3	17.1	16.7	10.8	10.6	381.6	223.6
Millwork, plywood, and structural members.	243	191.7	17.1	16.0	8.0	7.8	9.1	8.2	128.7	127.4
Millwork.....	2431	67.4	18.4	17.3	7.8	7.7	10.5	9.5	119.4	117.5
Wood kitchen cabinets.....	2434	46.1	16.6	13.9	7.7	6.8	8.9	7.0	116.5	111.0
Hardwood veneer and plywood.....	2435	24.8	17.8	15.9	8.4	7.9	9.4	8.0	126.9	130.2
Softwood veneer and plywood.....	2436	39.2	12.5	12.6	7.3	7.0	5.2	5.6	148.6	149.7
Structural wood members, n.e.c.....	2439	n.a.	24.2	26.0	11.4	12.7	12.7	13.2	156.8	158.6
Wood containers.....	244	41.6	17.0	16.9	9.0	8.4	8.0	8.5	150.3	132.1
Nailed wood boxes and shooks.....	2441	n.a.	19.9	18.4	10.1	8.8	9.8	9.5	153.7	151.8
Wood pallets and skids.....	2448	n.a.	17.0	18.5	9.1	9.2	7.9	9.2	162.1	144.4
Wood containers, n.e.c.....	2449	n.a.	15.1	12.4	7.8	6.1	7.2	6.3	120.3	91.4
Wood buildings and mobile homes.....	245	66.4	25.7	26.9	11.0	11.4	14.7	15.5	160.1	156.5
Mobile homes.....	2451	47.4	27.5	29.3	11.4	12.2	16.0	17.0	173.1	171.2
Prefabricated wood buildings.....	2452	n.a.	21.5	20.7	10.0	9.3	11.5	11.4	129.3	118.5
Miscellaneous wood products.....	249	80.8	16.1	14.5	7.6	7.1	8.4	7.4	124.6	109.7
Wood preserving.....	2491	n.a.	18.2	15.5	8.3	7.9	9.9	7.6	142.1	141.4
Particleboard.....	2492	n.a.	11.1	12.0	4.6	5.8	6.4	6.2	125.2	97.8
Wood products, n.e.c.....	2499	n.a.	16.2	14.6	7.9	7.1	8.3	7.5	120.5	104.0

See footnotes at end of table.

Table 1. Continued—Occupational injury and illness incidence rates by industry, 1980 and 1981

Industry 1/	SIC code 2/	1981 annual average employment (000's) 3/	Incidence rates per 100 full-time workers 4/							
			Total cases 5/		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
			1980	1981	1980	1981	1980	1981	1980	1981
Furniture and fixtures.....	25	467.3	16.0	15.1	6.6	6.2	9.4	8.9	97.6	91.9
Household furniture.....	251	299.0	14.7	14.0	5.8	5.6	8.8	8.4	88.1	82.7
Wood household furniture.....	2511	133.9	14.5	13.5	5.7	5.2	8.7	8.3	81.9	75.7
Upholstered household furniture.....	2512	89.4	13.4	13.2	5.1	5.2	8.3	8.0	78.8	78.4
Metal household furniture.....	2514	31.1	15.5	16.0	6.2	6.3	9.3	9.7	91.1	93.9
Mattresses and bedsprings.....	2515	30.6	18.2	15.9	8.1	6.8	10.1	9.1	109.4	104.8
Wood TV and radio cabinets.....	2517	n.a.	14.8	13.4	6.2	6.1	8.6	7.3	185.4	75.2
Household furniture, n.e.c.....	2519	n.a.	15.9	16.6	7.7	8.5	8.2	8.0	107.5	153.1
Office furniture.....	252	54.1	19.1	19.2	8.6	8.7	10.5	10.5	127.9	120.5
Wood office furniture.....	2521	n.a.	16.7	16.3	7.2	6.8	9.5	9.5	106.3	79.5
Metal office furniture.....	2522	n.a.	20.5	21.3	9.5	10.1	11.0	11.2	141.3	150.9
Public building and related furniture.....	253	23.3	20.5	17.1	7.9	6.1	12.6	11.0	144.0	99.8
Partitions and fixtures.....	254	61.1	18.3	16.7	8.3	7.5	10.0	9.2	112.6	113.1
Wood partitions and fixtures.....	2541	n.a.	18.0	16.3	8.2	7.1	9.7	9.2	111.5	106.4
Metal partitions and fixtures.....	2542	n.a.	18.7	17.2	8.3	7.9	10.4	9.3	113.8	120.7
Miscellaneous furniture and fixtures.....	259	29.8	14.7	13.4	5.5	4.6	9.2	8.8	67.4	78.4
Drapery hardware and blinds and shades..	2591	n.a.	13.5	11.1	5.2	4.0	8.3	7.1	65.6	67.6
Furniture and fixtures, n.e.c.....	2599	n.a.	16.3	16.4	5.9	5.4	10.4	10.9	69.4	91.9
Stone, clay, and glass products.....	32	638.2	15.0	14.1	7.1	6.9	7.9	7.2	128.1	122.2
Flat glass.....	321	18.3	16.8	17.5	6.3	6.4	10.5	11.1	113.2	117.0
Glass and glassware, pressed or blown.....	322	121.2	14.7	13.5	7.9	7.3	6.8	6.2	142.9	134.7
Glass containers.....	3221	67.7	15.7	14.5	9.4	8.8	6.3	5.7	180.7	163.6
Pressed and blown glass, n.e.c.....	3229	53.5	13.3	12.2	6.0	5.4	7.3	6.8	95.7	99.1
Products of purchased glass.....	323	44.5	17.7	17.7	6.6	7.9	11.0	9.8	99.9	119.7
Structural clay products.....	325	41.4	16.1	16.5	7.3	7.9	8.8	8.6	131.3	144.6
Brick and structural clay tile.....	3251	n.a.	17.9	19.1	8.1	8.9	9.8	10.1	124.3	146.1
Ceramic wall and floor tile.....	3253	n.a.	14.1	15.2	5.2	5.8	8.9	9.4	109.8	106.6
Clay refractories.....	3255	n.a.	14.3	12.3	7.0	7.2	7.2	5.1	152.8	156.6
Structural clay products, n.e.c.....	3259	n.a.	17.7	20.8	8.3	10.3	9.4	10.5	140.0	199.2
Pottery and related products.....	326	42.9	14.9	13.1	8.2	7.3	6.7	5.8	145.5	113.8
Vitreous china food utensils.....	3262	n.a.	13.6	13.8	8.1	7.8	5.4	6.0	217.0	181.6
Fine earthenware food utensils.....	3263	n.a.	12.1	7.2	6.2	4.5	5.9	2.6	117.9	68.7
Porcelain electrical supplies.....	3264	n.a.	14.0	11.1	6.6	5.7	7.4	5.4	122.0	97.9
Pottery products, n.e.c.....	3269	n.a.	9.3	10.6	4.9	4.4	4.4	6.2	73.3	52.0
Concrete, gypsum, and plaster products....	327	192.7	15.9	14.7	7.3	7.0	8.6	7.7	129.7	122.6
Concrete block and brick.....	3271	19.1	15.8	15.3	7.6	7.1	8.2	8.1	148.0	118.6
Concrete products, n.e.c.....	3272	65.6	22.3	19.7	10.4	9.1	11.9	10.5	158.3	152.1
Ready-mixed concrete.....	3273	88.5	13.7	13.1	6.2	6.5	7.5	6.5	124.0	116.8
Lime.....	3274	n.a.	7.9	6.7	4.7	5.0	3.2	1.7	96.8	112.3
Gypsum products.....	3275	n.a.	5.5	5.4	2.0	1.9	3.5	3.5	37.6	44.1
Cut stone and stone products.....	328	n.a.	14.5	15.0	7.2	6.5	7.2	8.4	116.7	146.3
Miscellaneous nonmetallic mineral products.....	329	135.1	14.5	13.2	6.9	6.5	7.6	6.7	124.7	115.3
Abrasive products.....	3291	27.6	19.9	16.1	9.4	8.6	10.4	7.5	185.1	151.2
Asbestos products.....	3292	15.9	16.4	15.4	7.6	7.6	8.7	7.8	138.3	131.7
Gaskets, packing, and sealing devices...	3293	n.a.	13.6	13.1	5.9	5.6	7.7	7.5	98.5	98.6
Minerals, ground or treated.....	3295	n.a.	-	12.0	-	5.9	-	6.1	-	100.0
Mineral wool.....	3296	29.7	9.8	9.1	5.3	5.0	4.5	4.1	95.8	80.0
Nonclay refractories.....	3297	n.a.	18.3	16.7	9.1	7.4	9.1	9.3	158.9	175.2
Nonmetallic mineral products, n.e.c.....	3299	n.a.	6.7	10.7	2.9	5.2	3.8	5.5	24.7	75.5
Primary metal industries.....	33	1,121.1	15.2	14.4	7.1	6.7	8.1	7.7	128.3	121.3
Blast furnace and basic steel products....	331	505.0	11.3	11.3	4.4	4.5	6.9	6.8	96.0	96.1
Blast furnaces and steel mills.....	3312	420.8	9.5	9.9	3.4	3.6	6.1	6.2	81.6	84.1
Electrometallurgical products.....	3313	n.a.	13.2	10.3	7.3	5.0	5.9	5.3	143.5	124.9
Steel wire and related products.....	3315	n.a.	21.4	17.9	10.1	8.9	11.3	9.0	169.6	128.1
Cold finishing of steel shapes.....	3316	n.a.	23.7	22.4	10.9	9.3	12.8	13.1	192.3	189.0
Steel pipe and tubes.....	3317	31.7	22.2	20.6	10.3	9.7	11.9	10.9	169.8	169.7
Iron and steel foundries.....	332	201.0	23.6	21.5	11.4	10.7	12.2	10.8	183.0	166.4
Gray iron foundries.....	3321	120.7	23.2	22.2	11.0	11.1	12.2	11.0	171.4	167.7
Malleable iron foundries.....	3322	16.0	20.6	20.1	9.0	9.5	11.6	10.6	140.2	159.4
Steel investment foundries.....	3324	n.a.	20.8	16.1	9.4	7.0	11.4	9.1	130.4	77.0
Steel foundries, n.e.c.....	3325	51.1	26.0	21.9	13.2	11.1	12.7	10.8	231.2	189.2

See footnotes at end of table.

Table 1. Continued—Occupational injury and illness incidence rates by industry, 1980 and 1981

Industry 1/	SIC code 2/	1981 annual average employment (000's) 3/	Incidence rates per 100 full-time workers 4/							
			Total cases 5/		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
			1980	1981	1980	1981	1980	1981	1980	1981
Primary nonferrous metals.....	333	70.0	12.6	11.3	7.1	6.1	5.5	5.2	146.8	104.7
Primary copper.....	3331	n.a.	9.8	10.0	4.9	4.9	4.9	5.1	130.3	123.9
Primary lead.....	3332	n.a.	27.7	14.8	15.3	7.7	12.3	7.1	591.9	106.7
Primary zinc.....	3333	n.a.	13.3	11.0	9.0	7.1	4.3	3.8	177.7	141.7
Primary aluminum.....	3334	36.6	11.4	10.8	6.5	6.2	4.9	4.6	118.0	91.6
Primary nonferrous metals, n.e.c.....	3339	n.a.	14.1	13.6	7.6	6.7	6.5	6.9	118.2	108.9
Secondary nonferrous metals.....	334	n.a.	22.3	22.9	12.7	12.2	9.6	10.7	223.5	190.1
Nonferrous rolling and drawing.....	335	206.4	13.0	12.1	6.4	6.0	6.6	6.0	116.5	116.6
Copper rolling and drawing.....	3351	29.3	16.1	15.8	8.0	8.7	8.1	7.1	159.9	175.6
Aluminum sheet, plate, and foil.....	3353	34.8	8.8	7.7	3.4	2.7	5.4	4.9	57.8	57.1
Aluminum extruded products.....	3354	n.a.	13.9	12.3	6.7	6.0	7.1	6.3	120.1	110.7
Aluminum rolling and drawing, n.e.c.....	3355	n.a.	11.2	14.5	4.7	5.5	6.5	9.0	87.4	88.7
Nonferrous rolling and drawing, n.e.c.....	3356	n.a.	13.0	12.2	5.8	5.3	7.2	6.9	100.5	96.8
Nonferrous wire drawing and insulating..	3357	87.5	13.5	12.3	7.3	6.7	6.2	5.6	129.6	129.1
Nonferrous foundries.....	336	89.5	21.3	20.1	10.9	9.9	10.4	10.2	162.5	154.1
Aluminum foundries.....	3361	52.3	20.6	19.7	10.6	10.0	10.0	9.7	149.1	154.0
Brass, bronze, and copper foundries.....	3362	n.a.	26.0	22.9	13.5	11.6	12.4	11.3	200.8	180.4
Nonferrous foundries, n.e.c.....	3369	n.a.	18.7	18.5	9.1	8.1	9.6	10.4	159.6	130.0
Miscellaneous primary metal products.....	339	n.a.	19.9	19.1	9.5	9.0	10.4	10.1	145.1	173.6
Metal heat treating.....	3398	n.a.	20.3	20.2	10.6	10.6	9.6	9.6	158.2	151.0
Primary metal products, n.e.c.....	3399	n.a.	19.4	17.9	8.2	7.1	11.2	10.7	130.0	199.7
Fabricated metal products.....	34	1,592.4	18.5	17.5	8.0	7.5	10.5	10.0	118.4	109.9
Metal cans and shipping containers.....	341	71.3	18.5	16.8	7.5	6.9	11.0	9.9	131.4	112.8
Metal cans.....	3411	58.3	17.2	16.0	6.9	6.4	10.3	9.5	122.2	109.1
Metal barrels, drums, and pails.....	3412	n.a.	24.4	20.9	10.4	9.1	14.0	11.8	176.1	129.8
Cutlery, handtools, and hardware.....	342	159.5	15.8	14.8	6.7	6.1	9.1	8.7	104.9	99.7
Cutlery.....	3421	n.a.	14.4	13.6	5.8	5.3	8.6	8.3	87.7	106.7
Hand and edge tools, n.e.c.....	3423	n.a.	17.5	16.4	7.5	6.8	10.0	9.6	116.0	96.7
Handsaws and saw blades.....	3425	n.a.	17.5	17.0	7.8	6.5	9.7	10.5	138.8	107.2
Hardware, n.e.c.....	3429	89.1	15.0	14.0	6.4	5.9	8.6	8.1	98.4	99.4
Plumbing and heating, except electric.....	343	68.9	19.1	17.9	8.2	7.9	10.9	10.0	117.1	109.7
Metal sanitary ware.....	3431	n.a.	20.5	19.8	8.7	7.5	11.8	12.3	116.7	112.6
Plumbing fittings and brass goods.....	3432	26.5	15.0	13.4	5.8	6.3	9.2	7.0	97.8	93.7
Heating equipment, except electric.....	3433	31.7	21.4	21.3	9.6	9.3	11.8	11.9	130.1	122.9
Fabricated structural metal products.....	344	508.3	22.5	21.1	9.6	9.0	12.7	12.1	137.6	126.0
Fabricated structural metal.....	3441	101.0	27.6	25.3	12.8	11.7	14.8	13.6	182.5	153.1
Metal doors, sash, and trim.....	3442	80.9	21.0	22.2	8.2	8.1	12.8	14.1	123.2	110.1
Fabricated plate work.....	3443	149.6	20.8	18.6	9.1	8.4	11.7	10.1	130.6	126.2
Sheet-metal work.....	3444	108.1	22.1	21.2	9.0	8.4	13.0	12.7	126.4	113.8
Architectural metal work.....	3446	30.7	19.4	21.3	8.9	8.9	10.5	12.3	113.1	126.3
Prefabricated metal buildings.....	3448	n.a.	19.7	17.9	8.0	8.0	11.7	9.9	108.9	111.0
Miscellaneous metal work.....	3449	n.a.	-	17.0	-	7.6	-	9.4	-	142.5
Screw machine products, bolts, etc.....	345	105.0	15.6	15.0	6.0	5.7	9.5	9.3	87.1	84.1
Screw machine products.....	3451	47.7	15.0	15.1	5.6	5.4	9.4	9.7	69.5	81.2
Bolts, nuts, rivets, and washers.....	3452	57.4	16.0	14.9	6.4	5.9	9.6	9.0	102.6	86.5
Metal forgings and stampings.....	346	257.2	17.0	16.5	7.5	7.2	9.4	9.3	120.4	116.8
Iron and steel forgings.....	3462	44.2	24.8	24.0	13.6	12.2	11.2	11.7	224.5	213.8
Nonferrous forgings.....	3463	n.a.	20.6	18.3	11.2	10.4	9.4	7.8	164.4	159.0
Automotive stampings.....	3465	94.3	9.4	11.1	3.9	4.6	5.5	6.5	65.4	71.2
Crowns and closures.....	3466	n.a.	13.8	13.9	6.3	6.3	7.5	7.5	105.8	108.8
Metal stampings, n.e.c.....	3469	106.1	19.8	18.3	7.8	7.4	12.0	10.9	120.1	115.3
Metal services, n.e.c.....	347	101.6	17.2	16.4	7.6	7.4	9.6	9.0	108.7	103.3
Plating and polishing.....	3471	69.3	16.3	15.9	7.1	7.0	9.1	8.8	96.9	93.4
Metal coating and allied services.....	3479	32.2	19.3	17.6	8.5	8.3	10.8	9.3	134.1	124.9
Ordnance and accessories, n.e.c.....	348	69.1	9.8	9.1	4.9	4.4	4.8	4.7	77.9	72.8
Small arms ammunition.....	3482	n.a.	6.3	5.6	2.9	3.1	3.3	2.4	43.4	58.3
Ammunition, except for small arms, n.e.c.....	3483	26.6	8.5	8.1	4.3	3.5	4.2	4.5	76.6	71.7
Small arms.....	3484	n.a.	16.2	15.2	8.4	8.1	7.8	7.1	124.1	112.7
Ordnance and accessories, n.e.c.....	3489	n.a.	5.7	5.1	2.6	1.8	3.1	3.3	40.3	25.6
Miscellaneous fabricated metal products...	349	251.5	18.3	16.8	7.9	7.2	10.4	9.6	110.8	100.9
Steel springs, except wire.....	3493	n.a.	20.5	24.2	10.8	12.7	9.7	11.5	143.1	204.1
Valves and pipe fittings.....	3494	104.1	17.8	16.2	7.8	6.9	10.0	9.3	104.1	92.5
Wire springs.....	3495	n.a.	14.4	12.9	5.0	5.4	9.4	7.5	85.4	88.9
Miscellaneous fabricated wire products..	3496	53.4	18.0	18.1	8.2	8.1	9.8	10.0	126.4	103.5
Metal foil and leaf.....	3497	n.a.	20.2	21.1	8.5	8.8	11.7	12.2	132.5	141.0
Fabricated pipe and fittings.....	3498	n.a.	22.5	18.5	9.3	8.0	13.1	10.5	132.9	127.6
Fabricated metal products, n.e.c.....	3499	n.a.	18.1	15.3	7.5	6.1	10.6	9.2	95.5	86.4

See footnotes at end of table.

Table 1. Continued—Occupational injury and illness incidence rates by industry, 1980 and 1981

Industry 1/	SIC code 2/	1981 annual average employment (000's) 3/	Incidence rates per 100 full-time workers 4/							
			Total cases 5/		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
			1980	1981	1980	1981	1980	1981	1980	1981
Machinery, except electrical.....	35	2,507.0	13.7	12.9	5.5	5.1	8.2	7.8	81.3	74.9
Engines and turbines.....	351	133.6	11.2	10.9	4.9	4.7	6.3	6.2	104.8	86.2
Turbines and turbine generator sets.....	3511	45.7	8.0	7.5	3.3	3.6	4.6	3.9	49.3	65.5
Internal combustion engines, n.e.c.....	3519	87.9	12.7	12.7	5.6	5.3	7.1	7.4	129.9	97.2
Farm and garden machinery.....	352	156.4	16.6	15.1	7.1	6.2	9.5	8.9	94.5	99.2
Farm machinery and equipment.....	3523	135.3	16.1	14.9	7.0	6.3	9.1	8.6	86.9	100.8
Lawn and garden equipment.....	3524	n.a.	20.1	16.3	8.0	5.6	12.1	10.7	143.7	88.4
Construction and related machinery.....	353	401.6	17.3	16.6	7.7	7.1	9.6	9.5	110.5	92.4
Construction machinery.....	3531	143.4	14.0	13.4	6.3	5.8	7.7	7.5	92.5	77.4
Mining machinery.....	3532	38.7	19.3	19.1	7.9	7.6	11.3	11.5	126.5	120.3
Oil field machinery.....	3533	119.2	19.7	19.3	9.0	8.4	10.6	10.8	120.6	100.2
Elevators and moving stairways.....	3534	n.a.	16.8	15.0	5.8	5.3	11.0	9.6	85.6	67.7
Conveyors and conveying equipment.....	3535	35.1	19.3	18.7	8.6	7.6	10.7	11.0	122.6	105.6
Hoists, cranes, and monorails.....	3536	n.a.	19.8	16.7	9.6	7.5	10.2	9.2	148.5	100.9
Industrial trucks and tractors.....	3537	35.0	18.5	14.6	7.3	5.9	11.1	8.7	109.9	82.2
Metalworking machinery.....	354	364.5	14.1	13.4	4.9	4.8	9.2	8.6	75.5	71.2
Machine tools, metal cutting types.....	3541	79.5	15.1	13.8	5.3	5.2	9.8	8.6	77.4	78.2
Machine tools, metal forming types.....	3542	24.3	17.2	17.2	6.8	6.2	10.4	11.0	113.7	94.5
Special dies, tools, jigs, and fixtures.....	3544	136.7	13.2	13.2	4.0	4.4	9.1	8.8	61.2	66.0
Machine tool accessories.....	3545	69.1	13.9	13.4	4.9	4.7	9.0	8.7	68.4	65.2
Power driven handtools.....	3546	30.8	12.7	10.6	5.2	3.6	7.5	7.0	96.9	65.2
Rolling mill machinery.....	3547	n.a.	14.7	13.3	6.3	5.4	8.4	7.9	110.2	98.4
Metalworking machinery, n.e.c.....	3549	n.a.	15.6	12.7	5.1	4.6	10.4	8.1	92.3	64.0
Special industry machinery.....	355	199.1	16.0	14.8	5.9	5.4	10.1	9.3	84.6	78.3
Food products machinery.....	3551	44.0	18.1	17.4	7.0	6.3	11.1	11.1	97.6	90.9
Textile machinery.....	3552	26.2	13.1	14.6	4.5	4.6	8.6	10.0	68.4	57.1
Woodworking machinery.....	3553	n.a.	20.0	16.8	7.4	6.7	12.6	10.1	97.8	84.1
Paper industries machinery.....	3554	n.a.	18.6	18.5	7.3	7.4	11.3	11.1	100.4	129.2
Printing trades machinery.....	3555	38.8	13.7	11.4	4.6	4.0	9.1	7.4	63.4	62.4
Special industry machinery, n.e.c.....	3559	n.a.	15.8	13.6	6.0	5.2	9.8	8.3	88.8	71.3
General industrial machinery.....	356	320.9	15.5	14.4	6.4	5.8	9.1	8.6	92.6	89.6
Pumps and pumping equipment.....	3561	62.4	16.3	16.3	7.1	6.9	9.2	9.4	105.8	108.0
Ball and roller bearings.....	3562	56.8	10.8	10.6	4.4	4.3	6.4	6.3	74.2	67.1
Air and gas compressors.....	3563	31.6	13.4	12.5	6.3	5.2	7.1	7.3	100.7	87.3
Blowers and fans.....	3564	40.3	18.6	16.4	7.7	6.7	10.9	9.6	106.9	95.9
Industrial patterns.....	3565	n.a.	10.6	10.1	3.8	3.3	6.7	6.8	56.6	47.1
Speed changers, drives, and gears.....	3566	27.1	20.3	18.3	7.9	7.3	12.4	11.0	112.5	114.6
Industrial furnaces and ovens.....	3567	n.a.	20.0	14.7	7.3	5.8	12.7	8.9	101.2	95.2
Power transmission equipment, n.e.c.....	3568	22.8	15.4	15.7	6.3	6.9	9.1	8.8	77.9	107.6
General industrial machinery, n.e.c.....	3569	n.a.	15.1	14.2	5.9	5.2	9.2	9.0	78.4	72.8
Office and computing machines.....	357	463.8	5.3	4.9	2.3	2.3	3.0	2.6	34.5	32.9
Typewriters.....	3572	n.a.	3.6	4.1	1.7	1.8	1.9	2.2	25.5	27.3
Electronic computing equipment.....	3573	389.1	4.6	4.3	2.2	2.1	2.4	2.2	32.8	30.8
Scales and balances, except laboratory..	3576	n.a.	10.7	11.3	3.2	3.3	7.5	7.9	45.7	57.6
Office machines, n.e.c.....	3579	n.a.	12.1	11.9	4.1	4.8	8.0	7.1	57.2	64.9
Refrigeration and service machinery.....	358	176.0	16.9	16.5	6.5	6.0	10.3	10.5	102.3	92.0
Automatic merchandising machines.....	3581	n.a.	22.6	21.8	9.0	6.7	13.6	15.1	107.0	74.7
Commercial laundry equipment.....	3582	n.a.	20.6	21.7	6.0	7.2	14.6	14.5	60.0	121.4
Refrigeration and heating equipment.....	3585	120.4	15.9	15.3	6.4	5.7	9.5	9.6	107.0	93.1
Service industry machinery, n.e.c.....	3589	n.a.	17.4	17.6	6.4	6.6	10.9	11.0	98.8	90.7
Miscellaneous machinery, except electrical.....	359	291.3	14.7	14.1	5.7	5.3	9.0	8.8	75.4	75.6
Carburetors, pistons, rings, valves....	3592	37.7	10.1	9.2	4.4	4.3	5.6	4.9	66.4	63.6
Machinery, except electrical, n.e.c.....	3599	253.6	15.4	14.8	5.9	5.4	9.5	9.4	76.8	77.4
Electric and electronic equipment.....	36	2,092.2	8.0	7.4	3.3	3.1	4.7	4.3	51.8	48.4
Electric distributing equipment.....	361	121.6	11.5	10.9	4.5	4.0	7.0	6.8	68.0	62.6
Transformers.....	3612	54.0	12.2	10.6	4.8	4.2	7.4	6.4	70.7	63.5
Switchgear and switchboard apparatus....	3613	67.7	10.9	11.1	4.2	3.9	6.7	7.2	65.9	61.9
Electrical industrial apparatus.....	362	240.8	9.8	9.9	3.9	4.1	5.9	5.8	67.8	67.6
Motors and generators.....	3621	124.7	10.2	10.5	4.0	4.4	6.2	6.0	69.8	72.5
Industrial controls.....	3622	71.5	8.3	7.9	3.3	3.1	5.0	4.8	54.9	52.5
Welding apparatus, electric.....	3623	n.a.	16.0	17.1	6.0	6.0	10.0	11.1	99.0	99.1
Carbon and graphite products.....	3624	n.a.	7.3	6.8	4.2	3.6	3.1	3.2	90.5	77.6
Electrical industrial apparatus, n.e.c..	3629	n.a.	9.0	7.3	3.3	3.3	5.7	3.9	52.3	45.4
Household appliances.....	363	161.3	12.3	12.5	5.0	4.9	7.3	7.6	83.8	86.2
Household cooking equipment.....	3631	n.a.	16.4	18.9	7.4	6.5	9.0	12.4	123.9	113.6
Household refrigerators and freezers....	3632	33.7	10.7	10.2	4.2	4.1	6.5	6.1	53.3	55.0
Household laundry equipment.....	3633	21.4	11.8	10.2	3.4	2.9	8.4	7.3	60.1	47.0
Electric housewares and fans.....	3634	51.4	12.2	11.6	5.0	4.9	7.2	6.7	92.1	83.0
Household vacuum cleaners.....	3635	n.a.	9.0	10.5	4.0	5.4	5.0	5.1	98.7	160.7
Sewing machines.....	3636	n.a.	9.6	7.9	3.4	2.6	6.2	5.3	43.5	51.4
Household appliances, n.e.c.....	3639	n.a.	16.4	17.6	7.8	8.1	8.5	9.4	124.6	131.0

See footnotes at end of table.

Table 1. Continued—Occupational injury and illness incidence rates by industry, 1980 and 1981

Industry 1/	SIC code 2/	1981 annual average employment (000's) 3/	Incidence rates per 100 full-time workers 4/							
			Total cases 5/		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
			1980	1981	1980	1981	1980	1981	1980	1981
Electric lighting and wiring equipment.....	364	202.5	11.3	10.5	4.4	4.2	6.9	6.2	70.3	66.3
Electric lamps.....	3641	32.9	5.1	5.9	2.1	2.4	2.9	3.5	36.9	42.3
Current-carrying wiring devices.....	3643	83.4	10.0	8.7	3.9	3.4	6.1	5.3	61.1	58.2
Noncurrent-carrying wiring devices.....	3644	21.1	20.0	18.2	8.5	8.4	11.5	9.8	139.0	127.1
Residential lighting fixtures.....	3645	24.6	12.2	12.7	4.6	4.4	7.6	8.3	63.8	63.9
Commercial lighting fixtures.....	3646	n.a.	18.7	15.6	6.6	6.7	12.0	8.9	92.5	99.6
Vehicular lighting equipment.....	3647	n.a.	7.9	6.7	3.3	2.4	4.5	4.3	71.8	41.6
Lighting equipment, n.e.c.....	3648	n.a.	-	15.6	-	6.9	-	8.7	-	87.8
Radio and TV receiving equipment.....	365	107.2	7.8	6.9	3.4	2.8	4.3	4.1	53.6	52.7
Radio and TV receiving sets.....	3651	82.2	8.0	7.0	3.4	2.8	4.6	4.2	55.8	55.8
Phonograph records.....	3652	n.a.	6.8	6.5	3.4	2.8	3.4	3.7	45.2	42.1
Communication equipment.....	366	551.8	4.9	4.4	2.2	1.9	2.7	2.4	37.0	31.4
Telephone and telegraph apparatus.....	3661	155.4	5.5	5.1	3.1	2.6	2.4	2.5	61.0	47.2
Radio and TV communication equipment.....	3662	396.5	4.7	4.1	1.8	1.7	2.9	2.4	27.1	25.8
Electronic components and accessories.....	367	559.2	7.0	6.2	2.7	2.5	4.3	3.7	35.9	34.6
Electron tubes, receiving type.....	3671	n.a.	1.8	3.1	1.3	2.2	.5	.9	29.1	56.9
Cathode ray television picture tubes.....	3672	n.a.	9.7	9.6	6.4	6.4	3.3	3.2	93.9	87.3
Electron tubes, transmitting.....	3673	n.a.	7.5	7.1	2.8	2.5	4.7	4.6	39.0	37.5
Semiconductors and related devices.....	3674	224.6	5.5	4.6	2.2	2.0	3.3	2.6	31.7	27.1
Electronic capacitors.....	3675	n.a.	5.3	6.1	2.0	2.3	3.3	3.8	29.9	28.8
Electronic resistors.....	3676	n.a.	7.6	7.0	2.7	3.1	4.8	3.9	36.4	41.4
Electronic coils and transformers.....	3677	n.a.	9.6	9.3	2.9	3.3	6.7	5.9	42.2	45.0
Electronic connectors.....	3678	n.a.	7.3	8.0	2.3	2.8	5.0	5.2	30.5	38.4
Electronic components, n.e.c.....	3679	218.9	8.3	7.3	3.0	2.8	5.3	4.5	36.3	36.9
Miscellaneous electrical equipment and supplies.....	369	147.6	8.4	7.2	3.9	3.4	4.5	3.8	63.1	53.2
Storage batteries.....	3691	29.2	15.9	11.6	8.8	7.0	7.1	4.6	145.7	123.5
Primary batteries, dry and wet.....	3692	n.a.	6.7	5.4	2.2	2.0	4.5	3.4	38.6	33.4
X-ray apparatus and tubes.....	3693	n.a.	5.4	4.8	2.0	1.6	3.4	3.2	25.3	21.0
Engine electrical equipment.....	3694	61.1	6.2	5.9	2.7	2.5	3.5	3.3	40.3	37.8
Electrical equipment and supplies, n.e.c.....	3699	n.a.	11.6	12.2	5.2	5.8	6.3	6.4	102.0	74.5
Transportation equipment.....	37	1,892.6	10.6	9.8	4.9	4.6	5.7	5.2	82.4	78.1
Motor vehicles and equipment.....	371	783.9	9.9	9.1	4.3	4.0	5.6	5.1	67.4	61.5
Motor vehicles and car bodies.....	3711	352.4	6.3	6.1	2.6	2.7	3.7	3.4	33.1	37.5
Truck and bus bodies.....	3713	37.1	24.8	20.7	10.4	8.6	14.4	12.1	129.9	110.6
Motor vehicle parts and accessories.....	3714	363.7	10.4	9.6	4.8	4.4	5.6	5.2	87.0	74.1
Truck trailers.....	3715	25.8	23.3	21.4	10.4	8.9	12.9	12.5	146.0	119.9
Self-contained mobile homes.....	3716	n.a.	18.5	23.0	6.8	6.9	11.7	16.1	88.4	115.2
Aircraft and parts.....	372	648.9	6.8	6.2	2.9	2.6	3.8	3.6	46.9	41.7
Aircraft.....	3721	345.8	4.8	4.8	2.0	1.8	2.8	2.9	35.1	29.7
Aircraft engines and engine parts.....	3724	163.5	7.8	6.6	4.0	3.6	3.7	3.0	68.3	64.7
Aircraft equipment, n.e.c.....	3728	139.8	10.6	9.4	3.9	3.4	6.7	6.0	53.4	45.1
Ship and boat building and repairing.....	373	228.6	25.6	23.9	12.8	12.7	12.7	11.1	248.5	247.7
Ship building and repairing.....	3731	184.9	26.9	24.4	13.6	13.3	13.3	11.0	271.7	270.1
Boat building and repairing.....	3732	43.7	20.2	21.8	9.9	10.2	10.3	11.6	152.8	147.1
Railroad equipment.....	374	54.6	19.8	13.9	10.8	8.6	9.0	5.3	192.2	165.4
Motorcycles, bicycles, and parts.....	375	n.a.	16.5	19.6	6.3	8.8	10.2	10.8	68.3	107.1
Guided missiles, space vehicles, and parts.....	376	121.7	3.1	2.6	1.4	1.2	1.7	1.4	21.9	19.2
Guided missiles and space vehicles.....	3761	95.3	2.9	2.1	1.3	1.0	1.6	1.0	20.9	17.3
Space propulsion units and parts.....	3764	n.a.	3.5	4.1	1.8	1.9	1.7	2.2	23.8	25.7
Space vehicle equipment, n.e.c.....	3769	n.a.	4.2	4.6	2.1	1.7	2.1	2.9	28.2	23.0
Miscellaneous transportation equipment.....	379	38.2	15.4	16.6	6.7	7.8	8.7	8.8	82.2	84.8
Travel trailers and campers.....	3792	17.2	18.9	21.4	7.5	8.5	11.4	12.8	95.2	91.6
Tanks and tank components.....	3795	n.a.	8.8	10.2	5.8	6.6	3.0	3.6	72.8	69.2
Transportation equipment, n.e.c.....	3799	n.a.	16.9	17.1	6.4	8.2	10.5	8.8	73.6	96.1
Instruments and related products.....	38	726.8	6.8	6.5	2.7	2.7	4.1	3.8	41.8	39.2
Engineering and scientific instruments.....	381	78.5	5.8	6.4	2.1	2.5	3.7	3.9	33.6	33.3
Measuring and controlling devices.....	382	257.5	7.1	6.6	2.9	2.7	4.2	3.8	43.5	42.6
Environmental controls.....	3822	47.8	8.9	8.2	3.6	3.3	5.3	4.9	65.1	52.9
Process control instruments.....	3823	60.1	7.5	6.1	2.9	2.7	4.6	3.4	43.0	43.2
Fluid meters and counting devices.....	3824	n.a.	9.5	8.4	4.7	4.2	4.8	4.2	63.1	65.2
Instruments to measure electricity.....	3825	104.2	5.2	5.4	2.2	2.2	3.0	3.1	30.7	31.9
Measuring and controlling devices, n.e.c.....	3829	n.a.	9.0	8.2	3.1	2.7	5.9	5.5	42.2	49.3
Optical instruments and lenses.....	383	33.4	6.6	6.4	3.0	2.7	3.6	3.7	41.4	32.5

See footnotes at end of table.

Table 1. Continued—Occupational injury and illness incidence rates by industry, 1980 and 1981

Industry 1/	SIC code 2/	1981 annual average employment (000's) 3/	Incidence rates per 100 full-time workers 4/							
			Total cases 5/		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
			1980	1981	1980	1981	1980	1981	1980	1981
Medical instruments and supplies.....	384	160.1	7.6	6.9	3.0	2.8	4.6	4.0	47.6	42.0
Surgical and medical instruments.....	3841	75.4	6.8	6.0	2.6	2.4	4.2	3.6	40.3	35.3
Surgical appliances and supplies.....	3842	68.2	8.3	7.6	3.4	3.2	4.9	4.4	56.1	49.0
Dental equipment and supplies.....	3843	n.a.	8.7	8.0	3.2	3.2	5.5	4.8	45.7	44.2
Ophthalmic goods.....	385	40.7	6.5	6.4	2.7	2.5	3.8	3.9	33.9	32.0
Photographic equipment and supplies.....	386	136.6	6.5	5.9	2.6	2.5	3.8	3.4	40.6	37.4
Watches, clocks, and watchcases.....	387	20.1	4.9	6.2	2.3	2.3	2.6	3.9	32.8	35.1
Miscellaneous manufacturing industries.....	39	410.7	10.9	10.7	4.3	4.4	6.5	6.3	67.9	68.3
Jewelry, silverware, and plated ware.....	391	56.9	6.2	6.1	2.5	2.4	3.7	3.7	47.8	44.8
Jewelry, precious metal.....	3911	37.3	4.4	4.7	1.5	1.4	2.9	3.3	25.8	23.4
Silverware and plated ware.....	3914	n.a.	11.2	10.2	5.4	5.6	5.8	4.6	121.0	111.7
Jewelers' materials and lapidary work...	3915	n.a.	7.4	5.9	3.0	2.2	4.4	3.7	42.9	39.6
Musical instruments.....	393	21.5	11.0	10.5	3.5	4.3	7.5	6.1	61.4	71.2
Toys and sporting goods.....	394	117.4	12.6	11.8	5.1	5.0	7.5	6.8	78.4	76.7
Games, toys, and children's vehicles...	3944	n.a.	10.5	10.0	4.9	4.7	5.6	5.3	67.7	78.3
Sporting and athletic goods, n.e.c.....	3949	57.7	15.2	14.1	5.7	5.7	9.5	8.4	95.5	82.7
Pens, pencils, office and art supplies....	395	37.2	10.7	9.6	4.7	4.4	6.0	5.2	71.1	75.5
Pens and mechanical pencils.....	3951	n.a.	10.6	7.9	4.6	4.2	6.0	2.7	75.8	85.8
Lead pencils and art goods.....	3952	n.a.	13.0	12.4	5.9	5.6	7.1	6.8	79.2	103.6
Marking devices.....	3953	n.a.	7.5	6.8	2.2	2.3	5.3	4.5	32.5	30.8
Carbon paper and inked ribbons.....	3955	n.a.	12.7	13.0	7.1	6.2	5.6	6.8	114.8	81.4
Costume jewelry and notions.....	396	46.3	8.4	8.1	3.3	3.3	5.1	4.8	53.6	49.8
Needles, pins, and fasteners.....	3964	n.a.	11.0	10.9	4.2	5.0	6.7	5.9	71.2	69.4
Miscellaneous manufactures.....	399	131.5	12.3	13.0	5.1	5.0	7.2	8.0	72.4	74.7
Brooms and brushes.....	3991	n.a.	13.0	10.9	6.1	4.9	6.9	6.0	95.4	78.2
Signs and advertising displays.....	3993	46.7	12.9	13.6	5.2	5.0	7.7	8.6	73.4	73.4
Burial caskets.....	3995	n.a.	15.5	15.0	5.5	5.4	10.0	9.6	54.8	74.3
Hard surface floor coverings.....	3996	n.a.	11.1	10.4	6.0	5.4	5.1	5.0	115.4	120.1
Manufacturing industries, n.e.c.....	3999	n.a.	11.0	13.0	4.3	5.0	6.7	8.0	59.8	67.1
Nondurable goods.....		8,056.0	11.1	10.5	5.0	4.8	6.1	5.7	80.4	77.4
Food and kindred products.....	20	1,674.3	18.7	17.8	9.0	8.6	9.7	9.2	136.8	130.7
Meat products.....	201	354.0	28.0	26.0	13.4	12.1	14.6	13.9	178.2	167.0
Meatpacking plants.....	2011	155.0	33.5	32.8	16.7	15.7	16.8	17.1	215.7	212.0
Sausages and other prepared meats.....	2013	70.2	24.7	21.9	12.4	10.8	12.3	11.1	178.1	164.4
Poultry dressing plants.....	2016	114.7	22.1	19.3	9.3	8.0	12.8	11.3	125.5	107.6
Poultry and egg processing.....	2017	n.a.	23.5	21.3	9.8	9.1	13.7	12.1	126.5	125.5
Dairy products.....	202	170.0	15.6	14.7	7.8	7.0	7.8	7.7	121.0	117.3
Creamery butter.....	2021	n.a.	11.4	18.2	5.0	8.6	6.4	9.6	89.3	127.1
Cheese, natural and processed.....	2022	35.5	15.5	15.1	7.3	6.6	8.2	8.5	99.7	90.2
Condensed and evaporated milk.....	2023	n.a.	12.8	11.6	6.7	5.6	6.1	6.0	87.2	88.2
Ice cream and frozen desserts.....	2024	n.a.	18.0	16.6	9.6	8.5	8.4	8.1	147.8	150.6
Fluid milk.....	2026	96.5	15.7	14.7	7.9	7.1	7.8	7.6	129.4	124.7
Preserved fruits and vegetables.....	203	239.8	15.9	15.5	7.6	7.7	8.2	7.8	123.8	114.3
Canned specialties.....	2032	25.1	12.0	12.6	5.4	7.0	6.5	5.5	94.6	96.9
Canned fruits and vegetables.....	2033	90.6	15.9	15.6	7.4	7.3	8.4	8.2	110.9	108.0
Dehydrated fruits, vegetables, soups...	2034	n.a.	16.7	17.5	8.7	8.6	8.0	8.8	139.4	133.8
Pickles, sauces, and salad dressings...	2035	n.a.	15.0	13.3	7.2	6.2	7.8	7.0	104.1	84.8
Frozen fruits and vegetables.....	2037	48.0	18.8	18.9	9.1	9.5	9.7	9.4	170.3	149.5
Frozen specialties.....	2038	n.a.	14.9	13.8	7.8	7.3	7.1	6.5	131.1	108.6
Grain mill products.....	204	139.9	14.7	12.7	7.3	6.2	7.4	6.5	127.6	114.4
Flour and other grain mill products.....	2041	26.1	15.9	13.2	8.0	6.6	7.9	6.6	140.1	126.3
Cereal breakfast foods.....	2043	n.a.	12.3	9.5	6.5	5.8	5.8	3.7	137.7	126.3
Rice milling.....	2044	n.a.	15.6	20.6	9.1	10.1	6.5	10.5	202.4	200.7
Blended and prepared flour.....	2045	n.a.	13.6	12.9	7.3	7.2	6.2	5.7	128.7	129.6
Wet corn milling.....	2046	n.a.	10.2	8.4	5.7	4.0	4.5	4.4	103.9	66.0
Dog, cat, and other pet food.....	2047	n.a.	17.9	17.3	8.5	8.2	9.4	9.0	140.0	131.7
Prepared feeds, n.e.c.....	2048	54.1	15.0	12.3	7.0	5.5	7.9	6.7	113.3	101.8
Bakery products.....	205	219.0	13.6	13.0	6.9	6.6	6.7	6.3	129.9	125.4
Bread, cake, and related products.....	2051	176.8	13.7	13.1	7.0	6.8	6.7	6.3	128.9	127.6
Cookies and crackers.....	2052	42.1	13.2	12.3	6.3	5.9	6.9	6.4	134.3	116.0

See footnotes at end of table.

Table 1. Continued—Occupational injury and illness incidence rates by industry, 1980 and 1981

Industry 1/	SIC code 2/	1981 annual average employment (000's) 3/	Incidence rates per 100 full-time workers 4/							
			Total cases 5/		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
			1980	1981	1980	1981	1980	1981	1980	1981
Sugar and confectionery products.....	206	107.2	14.1	15.0	7.0	7.6	7.1	7.4	110.0	105.3
Raw cane sugar.....	2061	n.a.	20.9	31.2	10.7	19.1	10.2	12.0	135.4	211.0
Cane sugar refining.....	2062	n.a.	13.0	11.0	7.6	6.7	5.4	4.2	154.1	112.1
Beet sugar.....	2063	n.a.	21.4	17.7	11.3	10.6	10.0	7.1	140.0	127.5
Confectionery products.....	2065	55.9	13.0	13.1	6.0	5.5	7.0	7.6	98.5	80.8
Chocolate and cocoa products.....	2066	n.a.	9.9	12.2	5.2	5.9	4.6	6.2	84.9	102.4
Chewing gum.....	2067	n.a.	10.1	10.3	4.8	5.1	5.3	5.2	91.3	85.1
Fats and oils.....	207	42.8	19.8	18.6	9.3	9.0	10.5	9.5	170.2	134.5
Cottonseed oil mills.....	2074	n.a.	21.8	23.0	10.4	10.5	11.2	12.5	243.7	156.1
Soybean oil mills.....	2075	n.a.	14.0	13.8	6.7	6.8	7.3	7.0	96.3	93.9
Vegetable oil mills, n.e.c.....	2076	n.a.	15.0	13.9	6.5	6.7	8.4	7.2	106.4	80.1
Animal and marine fats and oils.....	2077	n.a.	26.9	23.3	13.4	12.5	13.4	10.7	228.6	191.7
Shortening and cooking oils.....	2079	n.a.	17.7	17.6	7.5	7.7	10.1	9.8	137.2	121.0
Beverages.....	208	233.9	21.6	20.6	9.8	9.7	11.8	10.9	135.9	139.9
Malt beverages.....	2082	50.0	15.3	14.3	5.5	5.6	9.7	8.7	103.4	82.2
Malt.....	2083	n.a.	27.9	23.8	13.5	12.0	14.4	11.8	165.9	207.4
Wines, brandy, and brandy spirits.....	2084	n.a.	22.4	21.6	11.1	10.8	11.2	10.8	135.8	175.0
Distilled liquor, except brandy.....	2085	n.a.	17.1	17.8	8.2	8.8	8.9	9.0	149.6	161.0
Bottled and canned soft drinks.....	2086	137.2	25.4	24.2	11.9	11.7	13.5	12.4	151.6	163.4
Flavoring extracts and syrups, n.e.c.....	2087	n.a.	8.6	7.8	4.2	3.4	4.4	4.4	69.3	38.9
Miscellaneous foods and kindred products..	209	167.8	15.3	15.0	7.6	7.4	7.7	7.6	108.9	112.8
Canned and cured seafoods.....	2091	n.a.	20.2	22.4	9.2	10.4	10.9	12.0	112.0	124.5
Fresh or frozen packaged fish.....	2092	n.a.	19.4	18.6	10.4	9.6	9.0	9.0	131.4	147.3
Roasted coffee.....	2095	n.a.	10.0	10.7	6.0	6.1	3.9	4.6	96.2	105.4
Manufactured ice.....	2097	n.a.	17.3	17.7	10.6	10.0	6.7	7.6	147.2	157.4
Macaroni and spaghetti.....	2098	n.a.	16.6	17.6	8.4	9.1	8.2	8.5	165.0	164.3
Food preparations, n.e.c.....	2099	n.a.	13.7	12.6	6.4	6.0	7.3	6.6	94.9	91.6
Tobacco manufactures.....	21	69.8	8.1	8.2	3.8	3.9	4.3	4.3	45.8	56.8
Cigarettes.....	211	47.4	6.9	7.2	3.4	3.7	3.5	3.5	42.3	55.6
Cigars.....	212	n.a.	7.0	6.5	2.8	2.9	4.2	3.5	31.6	68.1
Chewing and smoking tobacco.....	213	n.a.	13.1	15.6	5.0	5.4	8.1	10.2	65.3	71.6
Tobacco stemming and redrying.....	214	n.a.	12.3	11.2	5.4	4.6	6.9	6.6	61.9	49.5
Textile mill products.....	22	822.5	9.1	8.8	3.3	3.2	5.8	5.5	62.8	59.2
Weaving mills, cotton.....	221	141.5	7.6	6.7	2.2	2.1	5.4	4.5	52.4	52.1
Weaving mills, synthetics.....	222	111.5	7.9	8.1	2.6	2.5	5.2	5.5	53.2	49.8
Weaving and finishing mills, wool.....	223	18.9	10.7	11.9	5.2	6.1	5.5	5.8	96.1	116.0
Narrow fabric mills.....	224	23.8	9.9	11.6	4.3	4.4	5.6	7.1	81.2	68.7
Knitting mills.....	225	216.9	7.4	7.1	3.0	2.9	4.4	4.2	49.0	40.9
Women's hosiery, except socks.....	2251	31.7	4.4	4.2	1.8	1.6	2.6	2.6	28.0	21.2
Hosiery, n.e.c.....	2252	32.9	5.4	5.7	2.3	2.1	3.1	3.6	33.4	29.6
Knit outerwear mills.....	2253	71.5	6.3	6.9	2.2	2.5	4.1	4.4	34.2	33.2
Knit underwear mills.....	2254	30.2	8.5	7.4	3.8	3.4	4.7	3.9	66.2	50.6
Circular knit fabric mills.....	2257	29.2	10.8	10.2	4.6	4.4	6.2	5.8	83.5	70.1
Warp knit fabric mills.....	2258	n.a.	10.0	8.9	4.4	3.5	5.6	5.4	65.4	57.3
Knitting mills, n.e.c.....	2259	n.a.	12.3	11.6	5.7	6.0	6.6	5.6	55.4	42.2
Textile finishing, except wool.....	226	70.6	12.3	11.6	5.0	4.9	7.3	6.7	92.8	98.6
Finishing plants, cotton.....	2261	29.3	10.4	9.3	4.1	3.7	6.3	5.6	82.2	88.0
Finishing plants, synthetics.....	2262	27.1	13.0	12.2	5.4	5.2	7.6	7.0	105.3	96.4
Finishing plants, n.e.c.....	2269	n.a.	14.5	15.3	5.8	6.9	8.7	8.4	91.1	125.8
Floor covering mills.....	227	52.6	10.9	10.3	3.5	3.3	7.4	7.0	67.2	61.0
Woven carpets and rugs.....	2271	n.a.	10.6	11.8	3.6	4.4	7.0	7.3	57.8	49.0
Tufted carpets and rugs.....	2272	n.a.	11.1	10.2	3.5	3.1	7.6	7.1	70.2	63.1
Tufted carpets and rugs, n.e.c.....	2279	n.a.	-	6.6	-	3.7	-	2.9	-	52.8
Yarn and thread mills.....	228	121.2	9.3	9.3	2.8	2.9	6.5	6.4	55.0	51.6
Yarn mills, except wool.....	2281	82.1	9.6	9.7	2.6	2.7	7.0	7.0	50.2	48.9
Throwing and winding mills.....	2282	20.1	8.9	8.9	2.6	3.1	6.3	5.8	45.9	53.7
Wool yarn mills.....	2283	n.a.	11.1	9.4	5.1	4.5	6.0	4.9	122.0	85.4
Thread mills.....	2284	n.a.	6.9	6.4	2.4	2.5	4.5	3.9	51.7	38.4
Miscellaneous textile goods.....	229	65.8	13.5	12.3	5.9	5.4	7.6	6.8	110.7	97.4
Felt goods, except woven felts and hats..	2291	n.a.	16.8	13.7	7.9	6.9	8.9	6.7	139.9	107.4
Lace goods.....	2292	n.a.	12.3	11.5	4.7	4.2	7.6	7.3	114.9	72.7
Paddings and upholstery filling.....	2293	n.a.	15.2	11.7	7.8	6.3	7.4	5.4	183.5	145.0
Processed textile waste.....	2294	n.a.	14.3	12.5	5.4	5.3	8.9	7.2	90.7	95.9
Coated fabrics, not rubberized.....	2295	n.a.	15.3	14.4	6.6	6.0	8.7	8.4	124.2	102.3
Nonwoven fabrics.....	2297	n.a.	15.7	16.4	6.7	6.6	8.9	9.7	118.6	115.9
Cordage and twine.....	2298	n.a.	15.2	14.2	7.1	6.8	8.1	7.4	94.4	104.0
Textile goods, n.e.c.....	2299	n.a.	11.4	10.6	4.6	4.5	6.8	6.1	91.0	75.5

See footnotes at end of table.

Table 1. Continued—Occupational injury and illness incidence rates by industry, 1980 and 1981

Industry 1/	SIC code 2/	1981 annual average employment (000's) 3/	Incidence rates per 100 full-time workers 4/							
			Total cases 5/		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
			1980	1981	1980	1981	1980	1981	1980	1981
Apparel and other textile products.....	23	1,244.0	6.4	6.3	2.2	2.2	4.2	4.1	34.9	35.0
Men's and boys' suits and coats.....	231	76.5	6.3	7.0	2.6	2.7	3.7	4.3	41.2	42.6
Men's and boys' furnishings.....	232	349.1	7.9	7.6	2.9	2.9	4.8	4.7	42.9	45.3
Men's and boys' shirts and nightwear....	2321	97.4	6.0	6.0	2.1	2.0	3.9	4.0	29.6	26.4
Men's and boys' underwear.....	2322	n.a.	6.9	6.3	2.3	2.6	4.6	3.6	35.6	41.3
Men's and boys' neckwear.....	2323	n.a.	-	3.5	-	1.3	-	2.2	-	18.0
Men's and boys' separate trousers.....	2327	71.5	7.2	7.8	2.8	3.0	4.4	4.8	42.4	54.7
Men's and boys' work clothing.....	2328	100.8	10.7	9.4	4.2	4.0	6.5	5.4	59.9	66.8
Men's and boys' clothing, n.e.c.....	2329	n.a.	7.5	7.5	2.6	2.4	4.9	5.1	40.4	32.3
Women's and misses' outerwear.....	233	408.0	4.4	4.4	1.3	1.3	3.1	3.1	23.2	22.3
Women's and misses' blouses and waists..	2331	62.4	3.9	4.1	1.0	1.2	2.9	2.9	17.2	16.5
Women's and misses' dresses.....	2335	137.1	3.0	2.7	.9	.6	2.1	2.1	17.3	12.6
Women's and misses' suits and coats.....	2337	61.4	-	4.1	-	1.3	-	2.8	-	28.4
Women's and misses' outerwear, n.e.c....	2339	147.1	6.0	6.1	1.8	2.0	4.2	4.1	34.1	31.0
Women's and children's undergarments.....	234	90.6	6.3	6.5	1.9	1.9	4.4	4.5	28.4	28.6
Women's and children's underwear.....	2341	72.3	6.2	6.4	1.9	2.0	4.3	4.4	28.9	29.7
Brassieres and allied garments.....	2342	18.3	6.6	6.6	2.0	1.8	4.6	4.8	26.5	24.0
Hats, caps, and millinery.....	235	n.a.	8.5	7.1	3.2	2.6	5.3	4.4	44.9	47.9
Hats and caps, except millinery.....	2352	n.a.	9.1	7.5	3.5	2.9	5.5	4.6	47.4	53.0
Children's outerwear.....	236	63.9	5.3	4.8	1.8	1.8	3.4	3.0	32.2	30.9
Children's dresses and blouses.....	2361	27.2	4.6	4.0	1.5	1.5	3.1	2.5	28.8	22.3
Children's coats and suits.....	2363	n.a.	5.7	5.2	2.0	1.7	3.7	3.5	41.5	32.1
Children's outerwear, n.e.c.....	2369	n.a.	5.8	5.3	2.1	2.0	3.7	3.3	33.1	38.1
Miscellaneous apparel and accessories.....	238	57.3	6.2	6.2	2.1	2.4	4.1	3.8	34.1	36.8
Fabric dress and work gloves.....	2381	n.a.	4.3	4.1	2.0	1.9	2.3	2.2	34.3	25.2
Robes and dressing gowns.....	2384	n.a.	5.6	4.9	1.8	1.8	3.6	3.1	35.5	27.3
Waterproof outer garments.....	2385	n.a.	7.3	6.5	2.4	2.6	4.9	3.9	33.3	39.4
Leather and sheep lined clothing.....	2386	n.a.	5.6	4.9	2.1	2.6	3.4	2.2	32.7	38.0
Apparel belts.....	2387	n.a.	7.2	8.4	2.0	2.9	5.2	5.5	38.3	46.3
Miscellaneous fabricated textile products.....	239	175.6	8.6	7.9	3.0	2.7	5.6	5.2	45.7	42.4
Curtains and draperies.....	2391	26.9	7.5	6.4	2.5	2.5	5.0	3.9	33.5	40.6
House furnishings, n.e.c.....	2392	48.9	9.5	9.0	3.0	2.8	6.5	6.2	42.5	47.2
Textile bags.....	2393	n.a.	12.1	13.1	4.3	4.3	7.8	8.8	56.2	68.9
Canvas and related products.....	2394	n.a.	11.2	10.0	5.0	3.7	6.2	6.3	78.0	52.3
Pleating and stitching.....	2395	n.a.	6.5	6.3	2.0	2.1	4.5	4.2	23.8	23.1
Automotive and apparel trimmings.....	2396	30.2	6.6	6.2	2.1	2.2	4.5	4.0	42.9	39.7
Schiffli machine embroideries.....	2397	n.a.	3.0	5.7	1.4	2.8	1.6	2.9	17.4	43.0
Fabricated textile products, n.e.c.....	2399	n.a.	9.6	8.0	3.9	2.8	5.7	5.2	64.3	36.0
Paper and allied products.....	26	687.8	12.7	11.6	5.8	5.4	6.9	6.2	112.3	103.6
Pulp mills.....	261	n.a.	10.2	7.9	4.3	3.6	5.9	4.2	125.5	86.8
Paper mills, except building paper.....	262	175.1	10.7	9.4	4.9	4.4	5.7	5.0	117.8	113.6
Paperboard mills.....	263	63.4	12.7	11.2	5.5	4.6	7.2	6.6	130.8	102.7
Miscellaneous converted paper products...	264	219.7	12.7	12.5	5.9	5.8	6.8	6.7	92.3	95.2
Paper coating and glazing.....	2641	55.8	9.3	10.1	4.4	4.5	4.9	5.5	64.2	75.7
Envelopes.....	2642	25.4	16.7	16.0	7.8	7.6	8.9	8.3	114.4	116.9
Bags, except textile bags.....	2643	50.0	15.7	14.1	6.7	6.0	9.0	8.0	109.5	99.5
Die-cut paper and board.....	2645	n.a.	11.3	12.0	5.4	5.9	5.9	6.1	66.3	81.5
Pressed and molded pulp goods.....	2646	n.a.	14.1	13.5	9.0	7.7	5.0	5.8	124.7	137.2
Sanitary paper products.....	2647	n.a.	8.6	9.0	4.3	4.6	4.3	4.4	75.6	90.1
Stationery products.....	2648	n.a.	14.3	15.7	6.3	6.6	8.0	9.1	104.2	112.7
Converted paper products, n.e.c.....	2649	n.a.	14.7	14.0	6.9	6.9	7.8	7.1	117.8	106.9
Paperboard containers and boxes.....	265	201.5	15.0	13.1	6.8	6.2	8.2	6.9	120.7	103.5
Folding paperboard boxes.....	2651	43.0	14.7	12.1	6.2	5.7	8.4	6.4	109.1	93.2
Set-up paperboard boxes.....	2652	n.a.	10.9	12.5	4.5	5.5	6.4	7.0	81.8	102.7
Corrugated and solid fiber boxes.....	2653	103.4	16.6	14.5	7.6	6.8	9.0	7.7	133.5	110.0
Sanitary food containers.....	2654	25.1	11.2	10.4	5.8	5.5	5.4	4.9	102.8	89.8
Fiber cans, drums, and similar products.....	2655	n.a.	14.3	11.5	6.4	5.2	7.9	6.3	125.3	109.6
Building paper and board mills.....	266	n.a.	10.3	9.4	5.6	5.4	4.6	4.0	126.3	139.4
Printing and publishing.....	27	1,265.8	6.9	6.7	3.1	3.0	3.8	3.6	46.5	47.4
Newspapers.....	271	421.9	6.2	6.0	2.8	2.8	3.4	3.2	47.3	45.7
Periodicals.....	272	96.3	2.5	2.6	1.2	1.2	1.2	1.4	16.5	18.6

See footnotes at end of table.

Table 1. Continued—Occupational injury and illness incidence rates by industry, 1980 and 1981

Industry 1/	SIC code 2/	1981 annual average employment (000's) 3/	Incidence rates per 100 full-time workers 4/							
			Total cases 5/		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
			1980	1981	1980	1981	1980	1981	1980	1981
Books.....	273	100.1	7.0	7.0	3.0	3.3	3.9	3.7	43.0	40.7
Book publishing.....	2731	70.3	4.6	4.8	2.0	2.3	2.6	2.5	23.0	24.5
Book printing.....	2732	29.8	11.5	11.8	5.1	5.4	6.4	6.3	82.0	76.7
Miscellaneous publishing.....	274	48.7	3.3	2.7	1.5	1.3	1.8	1.4	21.9	28.3
Commercial printing.....	275	417.0	8.2	8.0	3.6	3.7	4.6	4.3	55.8	56.8
Commercial printing, letterpress.....	2751	154.7	7.8	7.8	3.5	3.8	4.2	4.0	56.9	67.0
Commercial printing, lithographic.....	2752	239.4	8.3	7.9	3.5	3.4	4.8	4.4	52.9	48.9
Engraving and plate printing.....	2753	n.a.	6.4	7.5	2.6	2.9	3.8	4.6	34.6	38.7
Commercial printing, gravure.....	2754	n.a.	13.3	13.1	7.6	7.1	5.7	6.0	113.0	99.6
Manifold business forms.....	276	49.2	11.4	10.9	5.1	5.2	6.3	5.7	62.4	79.5
Greeting card publishing.....	277	n.a.	5.6	5.5	2.3	2.5	3.3	3.0	32.6	46.2
Blankbooks and bookbinding.....	278	63.0	10.1	9.9	4.4	4.2	5.7	5.7	59.8	60.8
Blankbooks and looseleaf binders.....	2782	n.a.	9.7	10.2	4.1	4.1	5.6	6.1	57.2	61.0
Bookbinding and related work.....	2789	n.a.	10.6	9.4	4.7	4.3	5.9	5.1	64.1	60.4
Printing trade services.....	279	44.7	2.3	2.4	.8	.8	1.5	1.6	-	12.0
Typesetting.....	2791	n.a.	-	1.4	-	.6	-	.8	-	9.6
Photoengraving.....	2793	n.a.	3.3	3.9	1.1	1.2	2.2	2.7	15.7	20.0
Chemicals and allied products.....	28	1,107.3	6.8	6.6	3.1	3.0	3.7	3.6	50.3	48.1
Industrial inorganic chemicals.....	281	159.7	5.0	4.8	2.2	2.1	2.8	2.7	43.5	37.9
Alkalies and chlorine.....	2812	n.a.	4.2	4.2	1.9	2.1	2.3	2.1	40.3	36.9
Industrial gases.....	2813	n.a.	4.9	4.9	2.2	2.4	2.7	2.5	48.1	62.0
Inorganic pigments.....	2816	n.a.	9.2	10.1	4.0	3.6	5.2	6.5	59.7	70.1
Industrial inorganic chemicals, n.e.c....	2819	105.2	4.7	4.3	2.0	1.8	2.7	2.4	41.4	29.2
Plastics materials and synthetics.....	282	195.0	4.8	4.5	2.1	2.0	2.7	2.5	39.4	38.5
Plastics materials and resins.....	2821	78.2	7.5	6.1	3.4	2.9	4.0	3.2	57.0	50.7
Synthetic rubber.....	2822	n.a.	8.4	7.1	3.8	3.5	4.6	3.6	70.7	66.7
Drugs.....	283	199.2	6.3	6.3	3.1	3.1	3.2	3.2	39.2	43.2
Biological products.....	2831	n.a.	5.7	6.0	2.6	2.8	3.0	3.2	36.9	41.2
Medicinals and botanicals.....	2833	n.a.	8.0	7.9	4.4	4.2	3.6	3.7	55.8	71.5
Pharmaceutical preparations.....	2834	157.7	6.1	6.2	3.0	3.0	3.1	3.2	37.5	40.2
Soap, cleaners, and toilet goods.....	284	145.6	9.5	9.0	4.8	4.2	4.7	4.8	76.1	65.8
Soap and other detergents.....	2841	44.5	9.4	9.0	5.2	4.1	4.2	4.9	87.1	69.7
Polishes and sanitation goods.....	2842	n.a.	11.8	9.5	5.3	4.3	6.5	5.2	82.3	70.9
Surface active agents.....	2843	n.a.	-	13.5	-	6.3	-	7.1	-	72.8
Toilet preparations.....	2844	62.4	7.7	8.3	4.0	3.9	3.7	4.4	62.4	59.7
Paints and allied products.....	285	63.1	12.2	12.8	5.6	6.1	6.6	6.7	75.3	77.9
Industrial organic chemicals.....	286	179.0	4.8	4.6	2.1	2.0	2.7	2.6	35.7	36.3
Gum and wood chemicals.....	2861	n.a.	-	7.0	-	3.3	-	3.7	-	62.0
Cyclic crudes and intermediates.....	2865	37.7	5.8	5.6	2.9	2.4	2.9	3.2	51.9	45.0
Industrial organic chemicals, n.e.c....	2869	n.a.	4.1	4.1	1.7	1.8	2.4	2.3	29.4	32.4
Agricultural chemicals.....	287	71.0	8.2	7.0	3.5	3.0	4.7	4.0	52.8	51.0
Nitrogenous fertilizers.....	2873	n.a.	6.7	6.8	2.4	2.2	4.3	4.5	48.3	49.4
Phosphate fertilizers.....	2874	n.a.	6.6	6.3	2.8	2.5	3.8	3.7	59.4	58.1
Agricultural chemicals, n.e.c....	2879	n.a.	8.4	6.1	4.0	2.9	4.4	3.1	43.9	39.8
Miscellaneous chemical products.....	289	94.6	10.6	10.6	5.0	4.8	5.6	5.8	81.0	70.3
Adhesives and sealants.....	2891	n.a.	14.5	13.2	6.3	6.0	8.2	7.2	95.2	83.4
Explosives.....	2892	n.a.	6.8	5.8	2.9	2.7	3.8	3.1	64.4	52.2
Printing ink.....	2893	n.a.	12.3	10.8	5.6	5.1	6.7	5.6	86.3	61.6
Carbon black.....	2895	n.a.	5.8	5.0	3.3	2.2	2.4	2.8	91.5	35.5
Chemical preparations, n.e.c....	2899	n.a.	9.8	11.5	4.9	5.1	4.9	6.4	77.2	76.7
Petroleum and coal products.....	29	215.6	7.2	6.7	3.5	2.9	3.7	3.7	59.1	51.2
Petroleum refining.....	291	174.1	5.4	5.5	2.7	2.4	2.6	3.0	42.5	40.5
Paving and roofing materials.....	295	29.2	13.2	11.1	6.1	4.7	7.1	6.4	119.8	98.8
Paving mixtures and blocks.....	2951	n.a.	11.7	9.8	5.4	3.9	6.3	5.9	109.2	81.1
Asphalt felts and coatings.....	2952	n.a.	14.2	12.0	6.6	5.2	7.5	6.8	126.5	111.0
Miscellaneous petroleum and coal products.....	299	n.a.	14.7	13.2	6.8	6.1	7.9	7.1	111.1	95.3
Lubricating oils and greases.....	2992	n.a.	14.4	12.8	6.6	5.5	7.8	7.3	111.3	91.7
Petroleum and coal products, n.e.c....	2999	n.a.	16.6	15.3	8.1	8.9	8.5	6.3	109.8	113.8

See footnotes at end of table.

Table 1. Continued—Occupational injury and illness incidence rates by industry, 1980 and 1981

Industry 1/ SIC code 2/	1981 annual average employment (000's) 3/	Incidence rates per 100 full-time workers 4/								
		Total cases 5/		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays		
		1980	1981	1980	1981	1980	1981	1980	1981	
Rubber and miscellaneous plastics products..	30	736.1	15.5	14.6	7.4	7.2	8.1	7.4	118.6	117.4
Tires and inner tubes.....	301	107.3	12.8	12.3	8.7	8.3	4.0	4.0	164.5	161.3
Rubber and plastics footwear.....	302	22.2	14.9	11.8	6.5	5.7	8.4	6.1	96.3	88.4
Reclaimed rubber.....	303	n.a.	28.6	19.4	18.8	9.8	9.8	9.6	346.8	265.5
Rubber and plastics hose and belting.....	304	n.a.	13.2	12.5	7.1	6.8	6.1	5.7	123.4	108.8
Fabricated rubber products, n.e.c.....	306	105.0	15.7	15.1	7.7	7.3	8.0	7.8	124.5	118.6
Miscellaneous plastics products.....	307	478.0	16.2	15.3	7.0	7.0	9.2	8.3	105.7	108.7
Leather and leather products.....	31	233.0	11.7	11.5	5.0	5.1	6.7	6.4	82.7	82.6
Leather tanning and finishing.....	311	20.6	23.5	23.6	12.4	13.3	11.0	10.3	210.1	221.7
Boot and shoe cut stock and findings.....	313	n.a.	16.2	13.8	6.8	5.9	9.4	7.9	152.8	81.0
Footwear, except rubber.....	314	142.6	10.8	11.1	4.5	4.6	6.3	6.4	70.7	74.3
House slippers.....	3142	n.a.	8.9	10.8	3.9	5.4	4.9	5.4	62.3	89.1
Men's footwear, except athletic.....	3143	57.2	12.5	13.3	4.9	5.0	7.6	8.3	85.5	83.0
Women's footwear, except athletic.....	3144	52.9	9.5	8.2	4.1	4.0	5.4	4.2	56.7	65.6
Footwear, except rubber, n.e.c.....	3149	n.a.	10.4	11.8	4.8	4.8	5.6	7.0	72.3	66.5
Leather gloves and mittens.....	315	n.a.	-	4.8	-	2.2	-	2.6	-	47.2
Luggage.....	316	15.0	11.6	9.5	5.0	4.7	6.6	4.8	93.8	81.1
Handbags and personal leather goods.....	317	30.1	8.0	6.4	2.5	2.5	5.5	3.8	42.0	38.1
Women's handbags and purses.....	3171	n.a.	7.0	5.1	2.0	1.6	5.0	3.5	38.3	23.6
Personal leather goods, n.e.c.....	3172	n.a.	9.1	8.0	3.1	3.7	6.0	4.3	46.2	58.0
Leather goods, n.e.c.....	319	n.a.	10.0	9.7	3.2	2.6	6.8	7.1	39.5	40.8
Transportation and public utilities.....		5,157.0	9.4	9.0	5.5	5.3	3.8	3.7	104.5	100.6
Railroad transportation 7/.....	40	495.8	11.1	10.0	7.2	6.4	3.8	3.6	107.6	95.9
Local and interurban passenger transit.....	41	268.5	9.5	9.3	5.2	5.1	4.3	4.2	92.9	101.2
Local and suburban transportation.....	411	81.6	12.7	12.9	7.6	7.1	5.0	5.8	118.9	123.4
Taxicabs.....	412	47.3	5.7	5.5	2.8	3.0	2.8	2.5	51.1	60.8
Intercity highway transportation.....	413	38.0	13.2	12.1	6.8	7.0	6.3	5.1	152.3	160.0
Transportation charter service.....	414	n.a.	4.8	5.4	2.5	2.8	2.3	2.6	42.2	52.1
School buses.....	415	84.1	6.2	5.6	3.0	2.8	3.2	2.8	52.5	66.0
Bus terminal and service facilities.....	417	n.a.	-	13.8	-	5.8	-	8.0	-	123.6
Trucking and warehousing.....	42	1,254.3	14.9	14.7	9.0	8.8	5.9	5.8	187.9	184.1
Trucking, local and long distance.....	421	n.a.	14.8	14.7	9.1	9.0	5.7	5.7	191.9	187.8
Public warehousing.....	422	88.3	15.1	14.5	7.4	7.1	7.7	7.4	127.2	119.3
Water transportation.....	44	216.3	14.2	12.5	8.4	7.2	5.7	5.3	300.3	270.5
Water transportation services.....	446	n.a.	21.1	20.0	12.7	11.7	8.4	8.3	507.0	497.2
Transportation by air.....	45	453.5	13.3	13.5	8.2	8.3	5.1	5.2	105.0	103.1
Certificated air transportation.....	451	n.a.	13.9	14.2	8.7	9.0	5.1	5.2	111.7	111.0
Noncertificated air transportation.....	452	n.a.	6.3	7.3	3.1	3.5	3.2	3.8	36.2	48.0
Air transportation services.....	458	n.a.	11.3	11.0	5.9	5.6	5.4	5.3	79.5	72.7
Pipelines, except natural gas.....	46	21.9	5.2	4.3	1.7	1.5	3.5	2.8	31.0	29.7
Transportation services.....	47	211.7	4.7	4.5	2.5	2.2	2.2	2.3	40.0	41.6
Freight forwarding.....	471	n.a.	7.4	6.9	4.3	3.8	3.1	3.1	73.3	71.3
Arrangement of transportation.....	472	n.a.	-	1.0	-	.5	-	.5	-	12.7
Communication.....	48	1,384.2	2.8	2.7	1.6	1.5	1.2	1.2	28.6	26.6
Telephone communication.....	481	1,075.7	2.3	2.2	1.5	1.4	.8	.8	26.5	26.8
Telegraph communication.....	482	n.a.	4.2	3.5	2.5	1.9	1.7	1.6	55.9	31.7
Radio and television broadcasting.....	483	207.5	2.5	2.4	1.1	.9	1.4	1.5	16.7	11.6
Communication, n.e.c.....	489	n.a.	11.5	9.6	5.4	4.2	6.1	5.4	92.3	58.2
Electric, gas, and sanitary services.....	49	850.4	8.6	8.3	4.3	4.2	4.2	4.1	70.8	69.9
Electric services.....	491	403.9	7.6	7.3	3.6	3.5	4.0	3.8	60.9	59.3
Gas production and distribution.....	492	174.2	7.5	7.9	3.7	3.9	3.8	4.0	53.2	55.8
Combination utility services.....	493	198.7	7.0	6.4	3.7	3.4	3.3	2.9	72.7	71.5
Water supply.....	494	n.a.	11.8	11.9	5.7	5.4	6.1	6.5	72.9	66.0
Sanitary services.....	495	50.1	25.1	24.3	14.9	14.4	10.2	9.9	202.0	201.0
Steam supply.....	496	n.a.	-	17.2	-	6.7	-	10.5	-	105.8
Wholesale and retail trade.....		20,551.0	7.4	7.3	3.2	3.1	4.2	4.1	48.7	45.3
Wholesale trade.....		5,359.0	8.2	7.7	3.9	3.6	4.3	4.1	58.2	54.7
Wholesale trade--durable goods.....	50	3,174.0	7.8	7.3	3.5	3.1	4.3	4.1	50.7	47.0
Motor vehicles and automotive equipment..	501	412.2	7.8	7.4	3.3	3.1	4.5	4.3	44.7	51.6
Lumber and construction materials.....	503	190.5	11.7	11.1	6.3	5.5	5.4	5.6	94.0	84.9
Metals and minerals, except petroleum.....	505	152.1	15.2	15.0	6.6	6.7	8.6	8.3	106.4	102.5
Electrical goods.....	506	433.0	4.1	4.7	1.7	2.1	2.4	2.5	23.0	30.7
Hardware, plumbing and heating equipment..	507	243.5	6.8	6.0	2.8	2.8	4.0	3.2	36.3	43.1
Machinery, equipment, and supplies.....	508	1,348.7	7.6	6.6	3.3	2.6	4.3	4.0	46.0	36.9
Miscellaneous durable goods.....	509	206.2	11.7	11.3	6.0	5.4	5.7	5.9	90.3	85.0

See footnotes at end of table.

Table 1. Continued—Occupational injury and illness incidence rates by industry, 1980 and 1981

Industry 1/	SIC code 2/	1981 annual average employment (000's) 3/	Incidence rates per 100 full-time workers 4/							
			Total cases 5/		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
			1980	1981	1980	1981	1980	1981	1980	1981
Wholesale trade—nondurable goods.....	51	2,186.0	8.7	8.3	4.5	4.2	4.2	4.1	69.5	66.0
Paper and paper products.....	511	154.9	8.1	6.1	3.9	2.8	4.2	3.3	57.8	34.8
Drugs, proprietaries, and supplies.....	512	150.4	—	6.9	—	2.8	—	4.1	—	46.1
Groceries and related products.....	514	663.6	13.3	12.5	7.1	6.7	6.2	5.8	106.4	100.2
Farm—product raw materials.....	515	n.a.	8.6	6.6	4.1	3.0	4.5	3.6	55.2	58.0
Petroleum and petroleum products.....	517	233.4	5.1	5.6	2.5	2.8	2.5	2.8	55.4	54.3
Beer, wine, and distilled beverages.....	518	142.1	12.3	12.9	6.7	7.0	5.5	5.9	103.6	112.8
Miscellaneous nondurable goods.....	519	395.4	6.3	6.0	2.9	2.7	3.4	3.2	52.3	42.3
Retail trade.....		15,192.0	7.1	7.1	2.9	2.9	4.2	4.1	44.5	41.1
Building materials and garden supplies.....	52	607.2	8.4	8.3	3.7	3.8	4.7	4.5	60.8	55.0
Lumber and other building materials.....	521	316.9	10.3	10.6	4.6	5.0	5.7	5.6	74.1	73.2
Paint, glass, and wallpaper stores.....	523	n.a.	—	7.1	—	2.5	—	4.6	—	35.9
Hardware stores.....	525	149.4	5.6	4.6	2.1	1.8	3.4	2.8	25.9	28.4
General merchandise stores.....	53	2,239.2	9.3	9.0	4.0	3.8	5.3	5.2	52.2	51.6
Department stores.....	531	1,881.2	9.8	9.5	4.3	4.1	5.5	5.4	57.3	54.8
Variety stores.....	533	232.4	8.0	7.8	3.2	3.5	4.8	4.3	31.5	43.9
Miscellaneous general merchandise stores..	539	n.a.	—	5.2	—	1.4	—	3.8	—	20.7
Food stores.....	54	2,429.2	10.6	10.4	4.7	4.4	5.9	6.0	76.0	67.6
Grocery stores.....	541	2,130.8	11.5	11.3	5.1	4.8	6.4	6.5	79.6	73.5
Miscellaneous food stores.....	549	n.a.	—	3.2	—	1.2	—	2.0	—	17.5
Automotive dealers and service stations....	55	1,650.2	7.2	6.8	2.6	2.5	4.6	4.2	40.7	41.0
New and used car dealers.....	551	n.a.	9.1	8.5	2.7	2.6	6.4	5.9	39.7	37.3
Auto and home supply stores.....	553	265.3	8.3	8.6	3.8	4.5	4.5	4.1	59.3	78.2
Gasoline service stations.....	554	558.4	4.2	3.6	1.8	1.5	2.3	2.1	30.5	27.1
Apparel and accessory stores.....	56	966.4	2.2	2.2	.9	1.0	1.3	1.2	13.5	24.1
Women's ready-to-wear stores.....	562	350.3	2.3	2.5	.9	1.1	1.4	1.4	15.7	19.6
Family clothing stores.....	565	179.7	3.8	3.6	1.5	1.5	2.3	2.0	23.7	14.7
Furniture and home furnishings stores.....	57	599.0	4.7	4.3	2.2	2.2	2.5	2.1	48.0	39.7
Furniture and home furnishing stores.....	571	371.4	5.5	5.0	2.5	2.6	3.0	2.3	42.8	41.1
Radio, television, and music stores.....	573	147.9	2.4	2.8	1.0	1.3	1.4	1.5	18.5	25.3
Eating and drinking places.....	58	4,743.3	6.9	7.3	2.6	2.8	4.3	4.5	30.5	30.7
Miscellaneous retail.....	59	1,957.6	3.5	3.5	1.7	1.6	1.8	1.9	37.9	23.1
Drug stores and proprietary stores.....	591	498.5	3.1	3.1	1.2	1.2	1.9	1.9	14.4	20.0
Nonstore retailers.....	596	270.7	6.7	7.5	3.4	3.6	3.3	3.9	49.4	39.4
Fuel and ice dealers.....	598	104.3	8.6	6.7	4.8	3.3	3.8	3.4	81.4	74.2
Finance, insurance, and real estate.....		5,301.0	2.0	1.9	.8	.8	1.1	1.1	12.2	11.6
Banking.....	60	1,626.6	1.5	1.6	.6	.6	.9	1.0	8.1	7.3
Commercial and stock savings banks.....	602	1,482.1	1.5	1.6	.6	.6	.9	1.0	7.6	7.1
Functions closely related to banking.....	605	n.a.	—	1.3	—	.5	—	.8	—	6.6
Credit agencies other than banks.....	61	584.8	1.1	1.3	.5	.6	.6	.7	6.4	5.8
Savings and loan associations.....	612	265.1	1.5	2.0	.6	.8	.9	1.2	7.3	8.5
Mortgage bankers and brokers.....	616	n.a.	—	.9	—	.5	—	—	—	3.8
Security, commodity brokers, and services...	62	261.1	.8	1.0	.3	.3	.5	.7	3.1	4.0
Security brokers and dealers.....	621	214.4	.6	.9	.2	.3	.4	.6	2.6	3.3
Security and commodity exchanges.....	623	n.a.	—	8.9	—	1.6	—	7.3	—	30.1
Insurance carriers.....	63	1,232.8	1.7	1.8	.7	.8	1.0	1.0	10.8	11.7
Life insurance.....	631	540.3	1.5	1.4	.7	.7	.8	.7	13.2	13.8
Medical services and health insurance.....	632	142.4	2.6	2.4	.9	.9	1.5	1.4	10.5	11.2
Fire, marine, and casualty insurance.....	633	475.9	2.2	2.1	.8	.8	1.4	1.3	7.7	10.6
Insurance agents, brokers, and service.....	64	465.6	.8	.8	.3	.3	.5	.5	4.2	—
Real estate.....	65	989.8	4.4	4.0	2.2	1.9	2.2	2.1	32.8	28.4
Real estate operators and lessors.....	651	468.6	4.7	4.2	2.5	2.0	2.2	2.2	38.7	27.6
Real estate agents and managers.....	653	373.8	—	2.6	—	1.3	—	1.3	—	21.7
Subdividers and developers.....	655	127.3	8.6	7.6	3.8	3.6	4.8	4.0	57.4	54.6
Combined real estate, insurance, etc.....	66	19.4	—	.6	—	.2	—	.4	—	—
Holding and other investment offices.....	67	120.5	1.7	1.8	.6	.8	1.1	1.0	7.3	9.6
Holding offices.....	671	n.a.	—	2.6	—	1.2	—	1.3	—	12.3
Services.....		18,171.3	5.2	5.0	2.3	2.3	2.9	2.6	35.8	35.9
Hotels and other lodging places.....	70	1,118.6	8.9	8.8	3.7	3.6	5.2	5.2	50.8	52.6
Hotels, motels, and tourist courts.....	701	1,075.7	9.1	9.1	3.8	3.8	5.3	5.3	51.8	54.3
Personal services.....	72	913.9	2.9	2.8	1.3	1.3	1.6	1.5	22.6	22.2
Laundry, cleaning, and garment services...	721	352.1	5.8	5.4	2.6	2.5	3.2	2.9	43.1	40.4
Business services.....	73	3,255.0	4.4	4.6	2.1	2.3	2.3	2.3	31.1	34.5
Services to buildings.....	734	514.1	6.0	6.5	2.8	3.2	3.2	3.3	38.6	52.1
Personnel supply services.....	736	603.2	7.2	8.3	3.6	3.9	3.6	4.3	49.5	54.4
Miscellaneous business services.....	739	n.a.	4.1	4.3	1.8	2.2	2.2	2.1	31.5	34.2

See footnotes at end of table.

Table 1. Continued—Occupational injury and illness incidence rates by industry, 1980 and 1981

Industry 1/	SIC code 2/	1981 annual average employment (000's) 3/	Incidence rates per 100 full-time workers 4/							
			Total cases 5/		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
			1980	1981	1980	1981	1980	1981	1980	1981
Auto repair, services, and garages.....	75	572.3	7.5	7.6	3.3	3.2	4.2	4.3	47.8	50.8
Automotive rentals, without drivers.....	751	n.a.	8.7	8.9	4.1	3.9	4.6	5.0	59.0	56.7
Automotive repair shops.....	753	353.1	7.7	7.8	3.2	3.3	4.5	4.5	45.3	51.9
Miscellaneous repair services.....	76	296.2	8.8	8.7	4.2	4.1	4.6	4.6	63.8	77.7
Electrical repair shops.....	762	n.a.	6.2	6.2	3.1	3.1	3.1	3.1	45.1	59.2
Miscellaneous repair shops.....	769	n.a.	11.2	11.0	5.2	5.1	6.0	5.9	80.6	95.0
Motion pictures.....	78	217.0	4.7	4.0	1.6	1.5	3.1	2.5	31.6	21.7
Motion picture production and services....	781	82.1	5.9	5.4	2.0	2.1	3.9	3.3	30.9	32.6
Amusement and recreation services.....	79	772.6	9.2	7.5	3.8	3.3	5.4	4.2	53.8	48.8
Producers, orchestras, entertainers.....	792	n.a.	-	3.9	-	1.6	-	2.3	-	23.4
Bowling and billiard establishments.....	793	n.a.	3.3	3.8	1.3	1.4	1.9	2.3	18.3	21.2
Miscellaneous amusement, recreation services.....	799	n.a.	8.4	7.7	3.5	3.0	4.9	4.7	44.6	43.0
Health services.....	80	5,555.1	6.4	6.1	3.1	3.1	3.3	3.0	47.4	47.7
Offices of physicians.....	801	785.7	-	.7	-	.2	-	.5	-	3.6
Nursing and personal care facilities.....	805	1,029.4	10.7	10.5	5.6	5.6	5.1	4.9	85.5	90.7
Hospitals.....	806	2,901.2	7.9	7.2	3.6	3.7	4.3	3.5	56.2	54.7
Outpatient care facilities.....	808	n.a.	-	2.6	-	1.1	-	1.4	-	20.5
Health and allied services, n.e.c.....	809	n.a.	-	5.9	-	2.6	-	3.3	-	46.6
Legal services.....	81	532.4	.4	.4	.2	.2	.2	.2	-	3.2
Educational services.....	82	1,173.2	3.3	3.8	1.4	1.6	1.9	2.2	18.6	18.0
Elementary and secondary schools.....	821	305.7	-	2.9	-	1.3	-	1.6	-	11.7
Colleges and universities.....	822	749.0	4.0	4.4	1.7	1.8	2.3	2.6	22.9	21.9
Social services.....	83	1,156.6	5.1	5.2	2.2	2.3	2.9	2.9	32.3	35.9
Individual and family services.....	832	n.a.	3.7	4.6	1.6	2.5	2.0	2.1	26.8	49.6
Job training and related services.....	833	n.a.	7.6	8.2	3.4	3.3	4.2	4.9	39.2	34.9
Residential care.....	836	n.a.	8.3	7.9	3.4	3.5	4.9	4.4	45.4	63.4
Social services, n.e.c.....	839	n.a.	4.5	4.0	2.1	1.8	2.4	2.2	36.7	23.5
Museums, botanical, zoological gardens.....	84	n.a.	7.5	7.2	3.3	3.1	4.1	4.1	35.4	40.3
Museums and art galleries.....	841	n.a.	5.2	5.3	2.3	2.2	2.9	3.1	27.6	29.3
Botanical and zoological gardens.....	842	n.a.	17.2	15.6	7.8	7.1	9.4	8.5	68.2	87.0
Membership organizations.....	86	1,529.0	3.4	2.3	1.0	.9	2.4	1.4	24.6	17.2
Civic and social associations.....	864	n.a.	4.3	3.4	1.8	1.4	2.5	2.0	35.5	20.4
Miscellaneous services.....	89	1,044.7	1.6	1.6	.7	.7	.9	.9	10.8	9.3
Engineering and architectural services....	891	570.3	2.1	2.1	.9	.8	1.2	1.2	14.3	12.0
Noncommercial research organizations.....	892	n.a.	2.3	2.8	1.0	1.1	1.3	1.7	14.5	15.3
Accounting, auditing, and bookkeeping.....	893	335.3	.6	.5	.2	.2	.4	.3	4.0	2.3

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

2 Standard Industrial Classification Manual, 1972 Edition, 1977 Supplement.

3 Annual average employment for nonagricultural industries is based on the employment and earnings survey conducted by BLS, in cooperation with State agencies. The employment estimate for the services division is adjusted to exclude the nonfarm portion of agricultural services and nonclassifiable establishments. Annual average employment for the agriculture, forestry, and fishing division is a composite of data from State unemployment insurance programs and an average of quarterly estimates of hired-farm workers engaged in agricultural production from the Department of Agriculture. The estimate is adjusted to exclude employment on farms with fewer than 11 employees.

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

N = number of injuries and illnesses or lost workdays

EH = total hours worked by all employees during calendar year

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

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

6 Excludes farms with fewer than 11 employees.

7 Data conforming to OSHA definitions for coal and lignite mining (SIC 11 and 12) and metal and nonmetal mining (SIC 10 and 14), and for railroad transportation (SIC 40) were provided by the Mine Safety and Health Administration, Department of Labor, and by the Federal Railroad Administration, Department of Transportation. Data for some independent contractors who perform services or construction on mining sites are also included.

n.e.c. = not elsewhere classified.

n.a. = data not available.

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

Table 2. Number of occupational injuries and illnesses and lost workdays by industry division, 1980 and 1981

(In thousands)

Industry division	Total cases ^{1/}		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
	1980	1981	1980	1981	1980	1981	1980	1981
INJURIES AND ILLNESSES								
Private sector ^{2/}	5,605.8	5,404.4	2,539.9	2,457.5	3,060.4	2,941.8	41,816.9	40,050.9
Agriculture, forestry, and fishing ^{2/}	83.5	89.9	40.4	43.5	42.9	46.3	578.8	607.0
Mining ^{3/}	114.9	133.5	66.9	71.6	47.6	61.4	1,683.0	1,684.4
Construction.....	588.1	538.3	245.2	224.7	341.8	312.7	4,385.5	4,019.2
Manufacturing.....	2,354.2	2,208.8	1,038.7	977.4	1,314.4	1,230.3	16,745.8	15,749.5
Transportation and public utilities...	452.8	438.7	266.5	255.1	185.4	182.6	5,044.7	4,881.8
Wholesale and retail trade.....	1,210.8	1,190.8	526.0	510.9	684.0	679.0	7,931.7	7,432.4
Wholesale trade.....	407.0	387.6	193.7	179.5	212.7	207.8	2,893.0	2,753.8
Retail trade.....	803.8	803.2	332.3	331.4	471.3	471.3	5,038.7	4,678.6
Finance, insurance, and real estate...	89.6	90.0	38.8	38.2	50.5	51.7	558.6	544.4
Services.....	711.7	714.3	317.4	336.2	393.8	377.8	4,888.8	5,132.2
INJURIES								
Private sector ^{2/}	5,475.6	5,278.4	2,491.0	2,408.9	2,979.8	2,864.9	40,894.9	39,199.3
Agriculture, forestry, and fishing ^{2/}	79.3	85.9	39.3	42.2	39.9	43.5	569.4	596.7
Mining ^{3/}	113.5	131.7	66.2	70.8	46.8	60.3	1,674.5	1,676.1
Construction.....	580.3	530.4	242.6	222.1	336.7	307.4	4,351.8	3,985.0
Manufacturing.....	2,278.1	2,139.2	1,009.5	951.0	1,267.6	1,187.3	16,222.3	15,256.5
Transportation and public utilities...	444.8	431.6	263.0	252.3	181.0	178.3	4,986.7	4,851.3
Wholesale and retail trade.....	1,198.7	1,178.3	521.3	505.4	676.7	672.2	7,834.8	7,330.3
Wholesale trade.....	401.7	382.2	191.1	177.1	210.0	204.8	2,837.8	2,693.0
Retail trade.....	797.0	796.1	330.2	328.3	466.7	467.3	4,997.0	4,637.2
Finance, insurance, and real estate...	88.2	88.5	38.1	37.5	49.8	50.9	533.2	532.9
Services.....	692.8	692.8	311.1	327.5	381.4	365.0	4,722.2	4,970.4
ILLNESSES								
Private sector ^{2/}	130.2	126.1	48.9	48.6	80.6	76.9	922.0	851.6
Agriculture, forestry, and fishing ^{2/}	4.2	4.0	1.1	1.2	3.0	2.8	9.5	10.3
Mining ^{3/}	1.5	1.8	.6	.7	.8	1.1	8.5	8.3
Construction.....	7.8	7.8	2.7	2.6	5.1	5.2	33.8	34.2
Manufacturing.....	76.1	69.6	29.2	26.5	46.8	43.1	523.5	492.9
Transportation and public utilities...	8.0	7.1	3.5	2.8	4.5	4.3	58.0	30.4
Wholesale and retail trade.....	12.2	12.5	4.7	5.4	7.4	6.9	96.8	102.2
Wholesale trade.....	5.4	5.4	2.6	2.4	2.7	2.9	55.2	60.8
Retail trade.....	6.8	7.1	2.1	3.1	4.6	4.0	41.6	41.4
Finance, insurance, and real estate...	1.5	1.6	.7	.7	.7	.8	25.4	11.5
Services.....	19.0	21.5	6.4	8.6	12.4	12.8	166.6	161.8

^{1/} Includes fatalities.

^{2/} Excludes farms with fewer than 11 employees.

^{3/} Data for some independent contractors who perform services or construction on mining sites are also included.

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

Table 3. Number of occupational injuries and illnesses by industry, 1981

Industry 1/	SIC code 2/	Injuries and illnesses			Injuries			Illnesses		
		Total cases (thou-sands)	Lost workday cases (thou-sands)	Average lost workdays per lost workday case	Total cases (thou-sands)	Lost workday cases (thou-sands)	Average lost workdays per lost workday case	Total cases (thou-sands)	Lost workday cases (thou-sands)	Average lost workdays per lost workday case
Private sector 3/.....		5,404.4	2,457.5	16	5,278.4	2,408.9	16	126.1	48.6	18
Agriculture, forestry, and fishing 3/.....		89.9	43.5	14	85.9	42.2	14	4.0	1.2	8
Agricultural production 3/.....	01-02	54.9	26.7	14	52.8	26.0	14	2.2	.6	10
Agricultural services.....	07	33.0	15.8	14	31.2	15.2	15	1.7	.5	6
Forestry.....	08	1.4	.7	16	1.4	.7	15	(5)	(5)	18
Fishing, hunting, and trapping.....	09	.6	.3	21	.6	.3	22	(5)	(5)	14
Mining.....		133.5	71.6	24	131.7	70.8	24	1.8	.7	11
Metal mining 4/.....	10	7.3	4.3	25	7.1	4.2	25	.1	.1	15
Anthracite mining 4/.....	11	.4	.3	46	.4	.3	46	(5)	(5)	4
Bituminous coal and lignite mining 4/...	12	18.7	15.3	31	18.3	15.2	31	.3	.1	20
Oil and gas extraction.....	13	100.8	47.5	21	99.6	47.0	21	1.3	.5	9
Nonmetallic minerals, except fuels 4/...	14	6.3	4.2	23	6.2	4.1	24	.1	.1	9
Construction.....		538.3	224.7	18	530.4	222.1	18	7.8	2.6	13
General building contractors.....	15	136.2	55.0	18	134.7	54.5	18	1.6	.5	10
Heavy construction contractors.....	16	124.9	50.0	18	122.7	49.4	18	2.2	.6	10
Special trade contractors.....	17	277.1	119.7	18	273.1	118.2	18	4.1	1.4	16
Manufacturing.....		2,208.8	977.4	16	2,139.2	951.0	16	69.6	26.5	19
Durable goods.....		1,416.0	618.4	16	1,372.2	602.3	16	43.8	16.0	19
Lumber and wood products.....	24	106.7	54.4	18	105.4	53.9	18	1.4	.5	18
Furniture and fixtures.....	25	66.0	27.0	15	64.6	26.4	15	1.5	.6	19
Stone, clay, and glass products.....	32	86.7	42.4	18	84.6	41.7	18	2.1	.7	18
Primary metal industries.....	33	156.1	72.4	18	152.7	71.2	18	3.4	1.1	23
Fabricated metal products.....	34	268.7	114.8	15	262.1	112.3	15	6.6	2.5	19
Machinery, except electrical.....	35	315.5	125.0	15	307.2	122.1	15	8.3	3.0	19
Electric and electronic equipment.....	36	149.0	61.5	16	140.4	58.0	15	8.7	3.5	21
Transportation equipment.....	37	181.8	85.8	17	174.1	83.4	17	7.7	2.4	15
Instruments and related products.....	38	44.8	18.4	15	42.1	17.3	15	2.7	1.1	19
Miscellaneous manufacturing industries..	39	40.6	16.6	16	39.2	16.0	15	1.4	.5	27
Nondurable goods.....		792.8	359.1	16	767.0	348.6	16	25.8	10.4	17
Food and kindred products.....	20	284.0	136.8	15	272.8	131.5	15	11.1	5.3	16
Tobacco manufactures.....	21	5.2	2.4	15	5.1	2.4	15	.1	(5)	22
Textile mill products.....	22	68.3	25.1	18	67.0	24.8	18	1.2	.3	20
Apparel and other textile products.....	23	67.9	23.6	16	66.4	23.1	16	1.5	.5	24
Paper and allied products.....	26	79.0	36.5	19	77.8	36.1	19	1.2	.5	19
Printing and publishing.....	27	74.3	33.9	16	72.8	33.3	16	1.5	.6	18
Chemicals and allied products.....	28	71.8	32.7	16	67.6	31.4	16	4.2	1.3	13
Petroleum and coal products.....	29	14.5	6.4	17	13.7	6.2	18	.8	.2	12
Rubber and miscellaneous plastics products.....	30	104.0	51.0	16	101.0	49.8	16	2.9	1.2	22
Leather and leather products.....	31	24.0	10.7	16	22.8	10.0	16	1.3	.7	22
Transportation and public utilities.....		438.7	255.1	19	431.6	252.3	19	7.1	2.8	11
Railroad transportation 4/.....	40	47.8	30.4	15	46.5	29.8	15	1.3	.6	8
Local and interurban passenger transit..	41	19.0	10.3	20	18.7	10.2	20	.2	.1	10
Trucking and warehousing.....	42	176.2	105.7	21	175.1	105.3	21	1.2	.5	19
Water transportation.....	44	26.9	15.5	37	26.3	15.3	38	.6	.2	17
Transportation by air.....	45	54.8	33.7	12	54.0	33.1	13	.8	.6	6
Pipelines, except natural gas.....	46	.9	.3	20	.9	.3	20	(5)	-	-
Transportation services.....	47	8.5	4.2	19	8.5	4.2	19	(5)	-	-
Communication.....	48	35.8	19.8	18	34.7	19.5	18	1.1	.3	13
Electric, gas, and sanitary services....	49	68.8	35.0	16	66.9	34.5	17	1.9	.5	9
Wholesale and retail trade.....		1,190.8	510.9	15	1,178.3	505.4	15	12.5	5.4	19
Wholesale trade.....		387.6	179.5	15	382.2	177.1	15	5.4	2.4	26
Wholesale trade--durable goods.....	50	218.5	94.8	15	216.3	93.9	15	2.2	.9	24
Wholesale trade--nondurable goods.....	51	169.1	84.6	16	165.9	83.2	16	3.2	1.4	27
Retail trade.....		803.2	331.4	14	796.1	328.3	14	7.1	3.1	13
Building materials and garden supplies..	52	45.6	20.6	15	45.2	20.5	15	.4	-	-
General merchandise stores.....	53	146.7	62.4	13	145.3	61.9	13	1.3	.6	10
Food stores.....	54	189.3	80.9	15	188.7	80.7	15	.6	-	-
Automotive dealers and service stations.	55	103.8	38.9	16	102.4	38.2	16	1.4	.7	17
Apparel and accessory stores.....	56	15.4	7.0	24	15.3	6.9	24	-	-	-
Furniture and home furnishings stores...	57	22.3	11.4	18	21.7	11.0	18	.6	.4	13
Eating and drinking places.....	58	226.6	86.2	11	224.2	85.4	11	2.4	.9	10
Miscellaneous retail.....	59	53.7	23.9	15	53.3	23.8	15	.3	-	-

See footnotes at end of table.

Table 3. Continued—Number of occupational injuries and illnesses by industry, 1981

Industry ^{1/}	SIC code ^{2/}	Injuries and illnesses			Injuries			Illnesses		
		Total cases (thou-sands)	Lost workday cases (thou-sands)	Average lost workdays per lost workday case	Total cases (thou-sands)	Lost workday cases (thou-sands)	Average lost workdays per lost workday case	Total cases (thou-sands)	Lost workday cases (thou-sands)	Average lost workdays per lost workday case
Finance, insurance, and real estate.....		90.0	38.2	14	88.5	37.5	14	1.6	.7	17
Banking.....	60	23.8	8.7	12	23.4	8.5	12	.4	.1	10
Credit agencies other than banks.....	61	6.9	3.0	10	6.8	2.9	10	.1	-	-
Security, commodity brokers, and services.....	62	2.5	.8	12	2.5	.8	12	(5)	-	-
Insurance carriers.....	63	19.8	8.5	15	19.5	8.4	15	.2	.1	22
Insurance agents, brokers, and service..	64	3.3	1.3	20	3.2	1.3	20	.1	(5)	55
Real estate.....	65	31.8	15.1	15	31.1	14.7	15	.7	.3	12
Combined real estate, insurance, etc....	66	.1	(5)	-	.1	(5)	-	(5)	-	-
Holding and other investment offices....	67	1.9	.8	12	1.8	.8	11	(5)	(5)	46
Services.....		714.3	336.2	15	692.8	327.5	15	21.5	8.6	19
Hotels and other lodging places.....	70	76.3	31.4	14	75.0	30.9	15	1.3	.5	11
Personal services.....	72	20.1	9.1	17	19.5	8.9	17	-	-	-
Business services.....	73	118.4	58.7	15	113.2	56.0	15	5.2	2.7	27
Auto repair, services, and garages.....	75	39.0	16.6	16	38.7	16.5	16	.3	.1	8
Miscellaneous repair services.....	76	23.1	10.9	19	22.7	10.9	19	.3	.1	14
Motion pictures.....	78	5.9	2.2	15	5.7	2.1	15	.1	-	-
Amusement and recreation services.....	79	39.1	17.0	15	38.1	16.7	15	1.0	.3	11
Health services.....	80	270.8	139.0	15	260.9	135.4	15	9.9	3.6	16
Legal services.....	81	1.8	.9	17	1.7	.9	16	-	-	-
Educational services.....	82	34.2	14.1	11	33.4	13.8	11	.8	.3	9
Social services.....	83	43.6	19.4	16	43.1	19.2	15	.5	-	-
Museums, botanical, zoological gardens..	84	1.9	.8	13	1.8	.8	13	(5)	(5)	7
Membership organizations.....	86	24.7	9.7	19	24.2	9.5	19	.5	.2	7
Miscellaneous services.....	89	15.6	6.4	14	14.7	6.0	13	.9	.4	22

¹ Industry division totals include data for industries not shown separately.² Standard Industrial Classification Manual, 1972 Edition, 1977 Supplement.³ Excludes farms with fewer than 11 employees.⁴ Data conforming to OSHA definitions for coal and lignite mining (SIC 11 and 12) and metal and nonmetal mining (SIC 10 and 14), and for railroad transportation (SIC 40) were provided by the Mine Safety and Health Administration, Department of Labor, and by the Federal Railroad Administration, Department of Transportation.⁵ Estimates of fewer than 50 cases.

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

The number of lost workdays can be approximated by multiplying the number of lost workday cases by the average lost workdays per lost workday case.

Table 4. Occupational injury incidence rates by industry, 1980 and 1981

Industry 1/	SIC code 2/	Incidence rates per 100 full-time workers 3/							
		Total cases 4/		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
		1980	1981	1980	1981	1980	1981	1980	1981
Private sector 5/.....		8.5	8.1	3.9	3.7	4.6	4.4	63.7	60.4
Agriculture, forestry, and fishing 5/.....		11.3	11.7	5.6	5.8	5.7	5.9	81.3	81.4
Agricultural production 5/.....	01-02	12.5	12.8	6.1	6.3	6.4	6.5	84.6	86.1
Agricultural services.....	07	10.0	10.6	5.1	5.2	4.9	5.4	76.9	76.2
Forestry.....	08	9.0	9.4	4.6	4.9	4.4	4.5	82.5	75.5
Fishing, hunting, and trapping.....	09	5.0	4.7	2.2	2.5	2.7	1.9	63.5	54.4
Mining.....		11.0	11.4	6.4	6.2	4.5	5.2	162.8	145.7
Metal mining 6/.....	10	8.8	8.0	5.4	4.8	3.4	3.2	127.7	119.4
Anthracite mining 6/.....	11	13.6	14.2	8.4	8.8	5.0	5.4	274.8	408.6
Bituminous coal and lignite mining 6/.....	12	9.9	8.8	8.2	7.3	1.6	1.4	251.5	225.0
Oil and gas extraction.....	13	13.3	13.9	6.6	6.6	6.6	7.3	152.0	138.8
Crude petroleum and natural gas.....	131	3.7	4.1	1.7	1.8	2.0	2.2	31.2	34.5
Natural gas liquids.....	132	4.5	5.0	1.4	2.1	3.0	2.9	19.2	56.3
Oil and gas field services.....	138	19.1	19.4	9.7	9.2	9.4	10.1	226.8	197.3
Nonmetallic minerals, except fuels 6/.....	14	5.3	4.6	3.6	3.0	1.7	1.5	87.7	72.0
Construction.....		15.5	14.9	6.5	6.3	9.0	8.6	116.1	112.1
General building contractors.....	15	15.4	15.0	6.4	6.1	8.9	8.9	112.1	106.6
Residential building construction.....	152	11.8	11.7	5.7	5.5	6.1	6.2	99.6	98.7
Operative builders.....	153	12.3	11.3	5.2	5.1	7.1	6.2	74.1	76.9
Nonresidential building construction.....	154	19.2	18.3	7.2	6.7	11.9	11.6	128.9	117.2
Heavy construction contractors.....	16	16.0	14.7	6.2	5.9	9.7	8.7	116.8	105.2
Highway and street construction.....	161	15.4	13.8	6.1	5.7	9.2	8.0	122.0	112.6
Heavy construction, except highway.....	162	16.2	15.0	6.3	6.0	9.9	9.0	114.6	102.5
Special trade contractors.....	17	15.3	15.0	6.6	6.5	8.7	8.5	117.9	118.0
Plumbing, heating, and air-conditioning... 171	171	16.1	15.5	5.8	5.9	10.3	9.6	94.8	97.4
Painting, paperhanging, and decorating... 172	172	9.5	8.9	5.0	4.8	4.5	4.1	114.3	102.4
Electrical work.....	173	14.1	13.7	5.1	5.1	9.0	8.6	85.5	90.8
Masonry, stonework, and plastering..... 174	174	15.9	15.6	7.6	7.4	8.3	8.2	135.9	137.3
Carpentering and flooring.....	175	12.6	12.5	6.9	6.3	5.7	6.1	115.0	106.9
Roofing and sheet-metal work.....	176	20.5	19.8	11.2	10.2	9.2	9.6	216.0	200.0
Concrete work.....	177	14.5	13.2	6.9	6.7	7.6	6.5	118.5	126.2
Water well drilling.....	178	15.5	13.1	8.4	7.1	7.1	6.0	143.1	146.0
Miscellaneous special trade contractors... 179	179	16.0	16.8	7.3	7.4	8.7	9.4	133.9	137.0
Manufacturing.....		11.8	11.1	5.2	4.9	6.6	6.2	84.0	79.4
Durable goods.....		12.5	11.8	5.5	5.2	7.0	6.6	87.9	82.3
Lumber and wood products.....	24	18.4	17.4	9.4	8.9	8.9	8.5	170.0	156.9
Logging camps and logging contractors..... 241	241	22.4	19.1	13.8	12.2	8.5	6.8	338.1	288.1
Sawmills and planing mills.....	242	17.6	17.0	9.7	9.1	7.9	7.8	178.7	166.6
Sawmills and planing mills, general..... 2421	2421	17.3	16.6	9.7	9.0	7.6	7.5	180.4	171.2
Hardwood dimension and flooring..... 2426	2426	17.6	17.9	8.4	8.5	9.2	9.4	136.0	132.4
Special product sawmills, n.e.c..... 2429	2429	27.7	26.8	17.0	16.6	10.7	10.2	380.0	222.7
Millwork, plywood, and structural members. 243	243	16.8	15.6	7.9	7.6	8.9	8.0	126.5	125.3
Millwork.....	2431	18.1	16.9	7.7	7.6	10.3	9.3	116.6	115.4
Wood kitchen cabinets.....	2434	16.4	13.7	7.6	6.8	8.8	6.9	115.1	109.1
Hardwood veneer and plywood.....	2435	17.5	15.6	8.3	7.8	9.2	7.8	126.2	128.4
Softwood veneer and plywood.....	2436	12.2	12.2	7.2	6.9	5.0	5.3	146.1	146.3
Structural wood members, n.e.c.....	2439	24.0	25.8	11.4	12.7	12.6	13.1	154.0	158.5
Wood containers.....	244	17.0	16.8	9.0	8.4	8.0	8.4	150.0	132.1
Nailed wood boxes and shook.....	2441	19.8	18.3	10.0	8.8	9.8	9.4	152.5	151.8
Wood pallets and skids.....	2448	16.9	18.4	9.1	9.2	7.8	9.2	162.0	144.4
Wood containers, n.e.c.....	2449	15.0	12.4	7.8	6.1	7.1	6.3	120.3	91.4
Wood buildings and mobile homes.....	245	25.5	26.7	10.9	11.3	14.6	15.3	159.4	155.8
Mobile homes.....	2451	27.2	29.0	11.3	12.2	15.9	16.8	172.2	170.6
Prefabricated wood buildings.....	2452	21.4	20.6	9.9	9.2	11.4	11.4	128.9	117.9
Miscellaneous wood products.....	249	15.8	14.3	7.5	7.0	8.3	7.3	122.6	107.9
Wood preserving.....	2491	18.1	15.4	8.2	7.8	9.9	7.5	141.4	140.7
Particleboard.....	2492	11.0	11.9	4.6	5.8	6.4	6.1	124.4	97.6
Wood products, n.e.c.....	2499	15.9	14.3	7.8	6.9	8.1	7.4	118.0	101.6

See footnotes at end of table.

Table 4. Continued—Occupational injury incidence rates by industry, 1980 and 1981

Industry 1/	SIC code 2/	Incidence rates per 100 full-time workers 3/							
		Total cases 4/		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
		1980	1981	1980	1981	1980	1981	1980	1981
Furniture and fixtures.....	25	15.6	14.8	6.4	6.0	9.2	8.7	94.6	89.4
Household furniture.....	251	14.3	13.7	5.8	5.5	8.5	8.2	86.0	81.3
Wood household furniture.....	2511	14.2	13.3	5.6	5.2	8.5	8.1	80.7	74.9
Upholstered household furniture.....	2512	13.3	13.1	5.0	5.1	8.3	7.9	76.9	77.4
Metal household furniture.....	2514	15.1	15.6	6.1	6.2	9.0	9.4	89.8	93.2
Mattresses and bedsprings.....	2515	17.8	15.7	8.0	6.7	9.8	9.0	107.3	102.3
Wood TV and radio cabinets.....	2517	13.3	11.8	5.5	5.3	7.8	6.5	164.3	61.6
Household furniture, n.e.c.....	2519	15.4	16.4	7.6	8.5	7.8	7.9	107.4	152.2
Office furniture.....	252	18.3	18.5	8.2	8.3	10.0	10.2	122.0	112.6
Wood office furniture.....	2521	16.5	16.2	7.1	6.7	9.4	9.4	105.8	77.9
Metal office furniture.....	2522	19.4	20.2	8.9	9.4	10.4	10.8	132.1	138.3
Public building and related furniture.....	253	20.0	16.3	7.6	5.9	12.4	10.4	136.4	96.1
Partitions and fixtures.....	254	18.1	16.5	8.1	7.4	10.0	9.1	109.0	110.1
Wood partitions and fixtures.....	2541	17.8	16.2	8.2	7.1	9.6	9.1	110.3	106.0
Metal partitions and fixtures.....	2542	18.4	16.8	8.1	7.7	10.3	9.1	107.5	114.8
Miscellaneous furniture and fixtures.....	259	14.5	13.2	5.4	4.5	9.1	8.7	65.8	76.8
Drapery hardware and blinds and shades..	2591	13.3	10.9	5.1	3.9	8.2	7.0	62.9	66.9
Furniture and fixtures, n.e.c.....	2599	16.2	16.1	5.9	5.3	10.3	10.8	69.8	89.3
Stone, clay, and glass products.....	32	14.7	13.8	7.0	6.8	7.6	7.0	125.8	120.0
Flat glass.....	321	16.7	17.4	6.2	6.3	10.4	11.1	112.8	116.4
Glass and glassware, pressed or blown.....	322	14.3	13.2	7.7	7.1	6.6	6.1	139.6	131.4
Glass containers.....	3221	15.4	14.2	9.1	8.6	6.3	5.6	175.7	159.8
Pressed and blown glass, n.e.c.....	3229	12.9	11.9	5.9	5.3	7.0	6.6	94.5	96.2
Products of purchased glass.....	323	17.2	17.2	6.5	7.7	10.7	9.5	97.3	117.1
Structural clay products.....	325	16.0	16.2	7.2	7.7	8.7	8.4	129.3	143.0
Brick and structural clay tile.....	3251	17.8	18.9	8.1	8.9	9.7	10.0	123.7	145.5
Ceramic wall and floor tile.....	3253	13.9	14.9	5.1	5.7	8.8	9.2	108.7	104.7
Clay refractories.....	3255	14.1	11.9	7.0	7.1	7.1	4.8	151.0	153.8
Structural clay products, n.e.c.....	3259	17.7	20.3	8.3	10.1	9.4	10.2	139.8	196.7
Pottery and related products.....	326	16.4	12.8	14.5	7.1	8.0	5.7	143.3	110.9
Vitreous china food utensils.....	3262	13.2	13.4	8.1	7.7	5.1	5.7	216.9	180.0
Fine earthenware food utensils.....	3263	11.9	6.9	6.0	4.4	5.9	2.5	115.6	65.7
Porcelain electrical supplies.....	3264	13.8	10.9	6.6	5.7	7.2	5.2	121.0	97.8
Pottery products, n.e.c.....	3269	9.0	10.3	4.7	4.2	4.3	6.1	70.1	50.5
Concrete, gypsum, and plaster products....	327	15.6	14.5	7.2	7.0	8.4	7.5	128.3	121.6
Concrete block and brick.....	3271	15.5	15.1	7.5	7.1	8.0	8.0	146.5	115.7
Concrete products, n.e.c.....	3272	21.8	19.2	10.2	9.0	11.5	10.2	156.2	151.2
Ready-mixed concrete.....	3273	13.6	12.9	6.1	6.5	7.4	6.4	122.8	115.8
Lime.....	3274	7.8	6.7	4.5	5.0	3.2	1.7	95.0	111.5
Gypsum products.....	3275	5.5	5.4	2.0	1.9	3.4	3.5	37.6	43.9
Cut stone and stone products.....	328	14.3	14.8	7.2	6.5	7.1	8.3	114.6	145.9
Miscellaneous nonmetallic mineral products.....	329	13.8	12.6	6.7	6.3	7.1	6.3	121.8	112.2
Abrasive products.....	3291	19.1	15.6	9.2	8.3	9.9	7.2	182.9	145.4
Asbestos products.....	3292	14.3	13.6	7.3	7.2	7.0	6.4	129.7	123.9
Gaskets, packing, and sealing devices...	3293	13.3	12.5	5.8	5.4	7.5	7.1	97.7	95.9
Minerals, ground and treated.....	3295	-	11.9	-	5.9	-	6.0	-	99.6
Mineral wool.....	3296	9.2	8.5	5.2	4.9	4.0	3.6	93.3	78.3
Nonclay refractories.....	3297	18.0	16.5	9.0	7.3	8.9	9.2	156.1	174.6
Nonmetallic mineral products, n.e.c.....	3299	6.3	10.3	2.7	5.1	3.6	5.2	21.7	75.4
Primary metal industries.....	33	14.8	14.1	6.9	6.6	7.9	7.5	124.5	118.9
Blast furnace and basic steel products....	331	10.9	11.0	4.4	4.4	6.5	6.6	94.7	94.4
Blast furnaces and steel mills.....	3312	9.1	9.6	3.3	3.6	5.8	6.0	80.1	82.3
Electrometallurgical products.....	3313	12.7	9.8	7.1	5.0	5.6	4.8	142.3	124.5
Steel wire and related products.....	3315	21.1	17.5	10.0	8.8	11.1	8.7	169.2	124.7
Cold finishing of steel shapes.....	3316	23.3	22.2	10.8	9.3	12.5	12.9	191.9	188.5
Steel pipe and tubes.....	3317	22.0	20.3	10.2	9.6	11.8	10.7	169.4	168.8
Iron and steel foundries.....	332	23.3	21.2	11.3	10.6	12.0	10.6	180.5	164.2
Gray iron foundries.....	3321	22.9	21.8	10.9	11.0	12.0	10.8	169.3	165.2
Malleable iron foundries.....	3322	20.2	19.8	8.9	9.4	11.3	10.4	139.1	157.7
Steel investment foundries.....	3324	20.1	15.8	9.3	6.9	10.8	8.9	129.2	75.1
Steel foundries, n.e.c.....	3325	25.7	21.6	13.1	11.0	12.6	10.6	227.4	187.2

See footnotes at end of table.

Table 4. Continued—Occupational injury incidence rates by industry, 1980 and 1981

Industry 1/	SIC code 2/	Incidence rates per 100 full-time workers 3/							
		Total cases 4/		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
		1980	1981	1980	1981	1980	1981	1980	1981
Primary nonferrous metals.....	333	11.9	10.9	6.7	5.9	5.2	5.0	120.1	100.9
Primary copper.....	3331	9.5	9.7	4.8	4.7	4.7	5.0	111.9	117.3
Primary lead.....	3332	23.6	14.3	11.6	7.4	12.0	6.9	158.1	102.1
Primary zinc.....	3333	13.2	10.8	8.9	7.0	4.3	3.8	177.1	134.5
Primary aluminum.....	3334	10.9	10.3	6.2	5.9	4.6	4.4	114.2	88.6
Primary nonferrous metals, n.e.c.....	3339	13.7	13.3	7.4	6.6	6.3	6.7	115.2	107.6
Secondary nonferrous metals.....	334	21.2	22.4	12.1	11.9	9.0	10.4	208.2	181.1
Nonferrous rolling and drawing.....	335	12.7	11.9	6.3	5.9	6.4	5.9	114.6	114.9
Copper rolling and drawing.....	3351	15.7	15.6	7.9	8.6	7.8	7.0	158.6	174.3
Aluminum sheet, plate, and foil.....	3353	8.6	7.6	3.3	2.7	5.3	4.9	57.6	56.9
Aluminum extruded products.....	3354	13.7	12.2	6.7	6.0	7.0	6.2	119.9	110.5
Aluminum rolling and drawing, n.e.c.....	3355	11.2	14.4	4.7	5.5	6.5	8.9	87.4	88.4
Nonferrous rolling and drawing, n.e.c.....	3356	12.8	12.0	5.8	5.3	7.0	6.7	100.1	96.5
Nonferrous wire drawing and insulating..	3357	13.0	12.0	7.1	6.5	5.9	5.5	125.4	125.7
Nonferrous foundries.....	336	20.8	19.7	10.7	9.7	10.1	10.0	157.9	147.8
Aluminum foundries.....	3361	20.1	19.3	10.4	9.8	9.6	9.5	147.3	147.5
Brass, bronze, and copper foundries.....	3362	25.3	22.6	13.1	11.4	12.2	11.2	188.3	172.2
Nonferrous foundries, n.e.c.....	3369	18.3	18.0	9.0	7.9	9.3	10.1	155.4	126.3
Miscellaneous primary metal products.....	339	19.5	18.7	9.3	8.8	10.1	9.9	143.5	172.8
Metal heat treating.....	3398	20.1	20.0	10.6	10.5	9.5	9.5	156.9	150.7
Primary metal products, n.e.c.....	3399	18.8	17.2	7.9	6.8	10.8	10.4	128.0	198.4
Fabricated metal products.....	34	18.0	17.0	7.8	7.3	10.2	9.7	115.8	106.9
Metal cans and shipping containers.....	341	18.1	16.6	7.4	6.9	10.7	9.7	130.2	111.4
Metal cans.....	3411	16.8	15.7	6.8	6.4	10.0	9.3	120.9	107.4
Metal barrels, drums, and pails.....	3412	24.1	20.8	10.3	9.1	13.8	11.7	175.5	129.7
Cutlery, handtools, and hardware.....	342	15.0	14.0	6.4	5.8	8.6	8.2	99.2	92.3
Cutlery.....	3421	13.2	12.7	5.5	4.9	7.7	7.8	80.9	95.6
Hand and edge tools, n.e.c.....	3423	16.9	15.7	7.3	6.6	9.5	9.1	112.8	92.9
Handsaws and saw blades.....	3425	16.8	16.7	7.6	6.4	9.2	10.3	134.9	106.4
Hardware, n.e.c.....	3429	14.1	13.2	6.0	5.5	8.1	7.6	91.3	90.0
Plumbing and heating, except electric.....	343	18.7	17.7	8.1	7.8	10.6	9.9	114.4	107.8
Metal sanitary ware.....	3431	20.1	19.6	8.6	7.5	11.5	12.1	115.6	112.0
Plumbing fittings and brass goods.....	3432	14.3	13.0	5.6	6.2	8.7	6.8	93.6	90.4
Heating equipment, except electric.....	3433	21.2	21.0	9.5	9.2	11.7	11.8	127.9	121.6
Fabricated structural metal products.....	344	22.0	20.8	9.5	8.9	12.5	11.9	136.5	124.6
Fabricated structural metal.....	3441	27.3	24.9	12.7	11.6	14.6	13.3	181.5	151.9
Metal doors, sash, and trim.....	3442	20.7	22.0	8.1	8.0	12.6	14.0	122.2	109.3
Fabricated plate work.....	3443	20.4	18.2	9.0	8.2	11.4	10.0	129.7	123.9
Sheet-metal work.....	3444	21.7	20.9	8.9	8.3	12.8	12.6	124.5	112.7
Architectural metal work.....	3446	19.2	21.1	8.8	8.8	10.4	12.2	112.8	126.3
Prefabricated metal buildings.....	3448	19.5	17.6	7.9	7.9	11.6	9.7	108.2	110.5
Miscellaneous metal work.....	3449	-	16.9	-	7.6	-	9.3	-	142.5
Screw machine products, bolts, etc.....	345	15.0	14.4	5.9	5.5	9.1	8.9	84.8	80.2
Screw machine products.....	3451	14.3	14.6	5.3	5.2	9.0	9.4	65.7	76.2
Bolts, nuts, rivets, and washers.....	3452	15.5	14.3	6.3	5.7	9.2	8.5	101.7	83.6
Metal forgings and stampings.....	346	16.5	16.1	7.3	7.0	9.2	9.0	117.2	112.2
Iron and steel forgings.....	3462	24.4	23.5	13.3	12.1	11.0	11.4	220.9	210.0
Nonferrous forgings.....	3463	20.2	18.2	11.1	10.4	9.1	7.8	163.4	158.1
Automotive stampings.....	3465	9.2	10.8	3.8	4.4	5.4	6.4	63.7	67.4
Crowns and closures.....	3466	13.5	13.7	6.3	6.2	7.2	7.5	105.7	107.3
Metal stampings, n.e.c.....	3469	19.1	17.7	7.5	7.1	11.6	10.5	115.7	109.3
Metal services, n.e.c.....	347	16.4	15.8	7.3	7.2	9.1	8.6	106.1	100.9
Plating and polishing.....	3471	15.3	15.2	6.8	6.8	8.5	8.4	93.7	91.2
Metal coating and allied services.....	3479	18.8	17.3	8.3	8.2	10.4	9.0	132.9	121.8
Ordinance and accessories, n.e.c.....	348	8.7	8.5	4.4	4.1	4.3	4.4	68.9	67.0
Small arms ammunition.....	3482	6.2	5.5	2.9	3.1	3.3	2.4	41.6	58.1
Ammunition, except for small arms, n.e.c.....	3483	7.9	7.6	4.1	3.3	3.8	4.2	72.2	67.1
Small arms.....	3484	13.5	13.9	7.1	7.3	6.4	6.6	99.7	98.7
Ordinance and accessories, n.e.c.....	3489	5.6	4.9	2.5	1.7	3.0	3.2	39.1	25.0
Miscellaneous fabricated metal products...	349	17.8	16.4	7.8	7.1	10.0	9.3	108.7	98.6
Steel springs, except wire.....	3493	20.4	23.8	10.8	12.5	9.6	11.3	142.1	195.4
Valves and pipe fittings.....	3494	17.3	15.8	7.6	6.8	9.6	9.0	101.1	90.4
Wire springs.....	3495	14.3	12.5	5.0	5.3	9.3	7.2	85.3	85.6
Miscellaneous fabricated wire products..	3496	17.6	17.8	8.0	8.0	9.6	9.8	125.3	100.8
Metal foil and leaf.....	3497	19.8	20.5	8.2	8.7	11.6	11.8	130.0	140.1
Fabricated pipe and fittings.....	3498	21.9	18.2	9.2	7.9	12.7	10.3	131.4	127.3
Fabricated metal products, n.e.c.....	3499	17.6	15.0	7.3	5.9	10.3	9.0	93.2	84.1

See footnotes at end of table.

Table 4. Continued—Occupational injury incidence rates by industry, 1980 and 1981

Industry 1/	SIC code 2/	Incidence rates per 100 full-time workers 3/							
		Total cases 4/		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
		1980	1981	1980	1981	1980	1981	1980	1981
Machinery, except electrical.....	35	13.3	12.5	5.4	5.0	7.9	7.5	78.7	72.6
Engines and turbines.....	351	10.6	10.3	4.6	4.5	6.0	5.8	97.5	83.5
Turbines and turbine generator sets.....	3511	7.6	7.3	3.3	3.6	4.3	3.7	48.6	64.5
Internal combustion engines, n.e.c.....	3519	12.0	11.9	5.2	5.0	6.8	6.9	119.6	93.7
Farm and garden machinery.....	352	16.2	14.8	6.9	6.1	9.3	8.7	92.5	96.4
Farm machinery and equipment.....	3523	15.8	14.6	6.8	6.2	9.0	8.4	85.1	97.9
Lawn and garden equipment.....	3524	19.1	15.8	7.7	5.5	11.4	10.3	140.6	86.9
Construction and related machinery.....	353	17.0	16.3	7.5	7.0	9.4	9.3	108.6	91.4
Construction machinery.....	3531	13.7	13.1	6.2	5.8	7.5	7.3	91.3	75.9
Mining machinery.....	3532	19.0	18.7	7.9	7.5	11.1	11.2	125.9	119.6
Oil field machinery.....	3533	19.3	18.9	8.9	8.3	10.4	10.6	118.1	99.4
Elevators and moving stairways.....	3534	16.5	14.8	5.8	5.3	10.7	9.4	84.4	67.3
Conveyors and conveying equipment.....	3535	19.1	18.5	8.6	7.6	10.5	10.9	121.4	105.5
Hoists, cranes, and monorails.....	3536	19.5	16.3	9.5	7.3	10.0	8.9	147.7	99.0
Industrial trucks and tractors.....	3537	18.0	14.2	7.1	5.8	10.8	8.4	104.9	81.0
Metalworking machinery.....	354	13.8	13.1	4.8	4.7	9.0	8.4	73.4	68.9
Machine tools, metal cutting types.....	3541	14.8	13.6	5.2	5.1	9.6	8.4	75.7	76.3
Machine tools, metal forming types.....	3542	17.0	17.0	6.8	6.1	10.2	10.8	113.1	92.3
Special dies, tools, jigs, and fixtures.....	3544	13.0	13.0	4.0	4.4	9.0	8.6	60.4	65.1
Machine tool accessories.....	3545	13.4	13.0	4.8	4.6	8.6	8.4	66.8	61.8
Power driven handtools.....	3546	11.6	9.7	4.7	3.2	6.9	6.5	83.6	55.5
Rolling mill machinery.....	3547	14.7	13.2	6.3	5.3	8.4	7.9	110.2	98.2
Metalworking machinery, n.e.c.....	3549	15.2	12.4	5.1	4.5	10.1	7.8	92.1	63.6
Special industry machinery.....	355	15.7	14.5	5.8	5.4	9.8	9.1	82.9	76.6
Food products machinery.....	3551	17.8	17.1	6.9	6.2	10.9	10.9	94.1	87.7
Textile machinery.....	3552	12.6	14.2	4.3	4.5	8.3	9.7	65.9	55.0
Woodworking machinery.....	3553	19.7	16.3	7.3	6.6	12.4	9.7	97.5	82.8
Paper industries machinery.....	3554	18.1	18.2	7.0	7.2	11.1	11.0	98.8	127.8
Printing trades machinery.....	3555	13.1	11.2	4.5	3.9	8.6	7.2	62.7	62.1
Special industry machinery, n.e.c.....	3559	15.6	13.4	6.0	5.2	9.6	8.2	87.9	69.6
General industrial machinery.....	356	15.0	14.0	6.2	5.7	8.8	8.3	90.3	87.0
Pumps and pumping equipment.....	3561	15.9	15.9	7.0	6.7	8.9	9.1	102.3	105.2
Ball and roller bearings.....	3562	10.1	9.8	4.1	4.0	6.0	5.8	69.7	61.8
Air and gas compressors.....	3563	13.0	12.1	6.2	5.1	6.8	7.0	99.2	85.1
Blowers and fans.....	3564	18.0	16.0	7.6	6.6	10.4	9.4	105.6	93.6
Industrial patterns.....	3565	10.4	9.8	3.8	3.2	6.6	6.6	56.2	43.8
Speed changers, drives, and gears.....	3566	19.5	17.8	7.7	7.2	11.8	10.6	111.2	113.0
Industrial furnaces and ovens.....	3567	19.6	14.5	7.2	5.8	12.4	8.7	100.3	94.5
Power transmission equipment, n.e.c.....	3568	14.8	15.3	6.2	6.7	8.6	8.6	76.7	105.3
General industrial machinery, n.e.c.....	3569	14.7	13.9	5.8	5.2	8.9	8.7	76.9	71.3
Office and computing machines.....	357	5.1	4.7	2.2	2.2	2.8	2.5	31.4	29.6
Typewriters.....	3572	3.4	3.9	1.6	1.8	1.8	2.1	22.7	26.1
Electronic computing equipment.....	3573	4.3	4.1	2.0	2.0	2.3	2.1	29.5	27.2
Scales and balances, except laboratory..	3576	10.2	10.9	3.0	3.2	7.2	7.7	45.2	54.6
Office machines, n.e.c.....	3579	11.8	11.6	4.0	4.6	7.8	7.0	54.9	62.5
Refrigeration and service machinery.....	358	16.4	16.0	6.3	5.8	10.1	10.2	96.9	88.2
Automatic merchandising machines.....	3581	22.5	21.6	8.9	6.6	13.5	14.9	106.2	73.2
Commercial laundry equipment.....	3582	20.1	20.7	5.8	6.9	14.2	13.8	59.7	117.4
Refrigeration and heating equipment.....	3585	15.4	14.8	6.1	5.5	9.2	9.3	100.4	88.9
Service industry machinery, n.e.c.....	3589	17.1	17.4	6.3	6.5	10.8	10.8	95.5	87.3
Miscellaneous machinery, except electrical.....	359	14.4	13.8	5.6	5.2	8.8	8.6	74.3	74.3
Carburetors, pistons, rings, valves.....	3592	9.6	8.7	4.3	4.1	5.3	4.6	64.8	59.9
Machinery, except electrical, n.e.c.....	3599	15.1	14.5	5.8	5.3	9.3	9.2	75.8	76.4
Electric and electronic equipment.....	36	7.6	7.0	3.1	2.9	4.5	4.1	47.7	44.7
Electric distributing equipment.....	361	11.2	10.5	4.3	3.9	6.8	6.6	65.8	59.6
Transformers.....	3612	11.9	10.2	4.6	4.0	7.2	6.2	69.0	59.4
Switchgear and switchboard apparatus....	3613	10.6	10.7	4.1	3.8	6.5	6.9	63.4	59.8
Electrical industrial apparatus.....	362	9.4	9.4	3.8	3.9	5.6	5.4	65.2	65.6
Motors and generators.....	3621	9.7	9.8	3.9	4.3	5.8	5.5	66.9	70.7
Industrial controls.....	3622	8.0	7.7	3.2	3.0	4.8	4.6	52.0	50.7
Welding apparatus, electric.....	3623	15.7	16.5	6.0	5.8	9.7	10.7	98.0	95.7
Carbon and graphite products.....	3624	7.2	6.6	4.2	3.5	3.0	3.1	89.9	76.3
Electrical industrial apparatus, n.e.c....	3629	8.7	6.8	3.2	3.2	5.5	3.6	49.9	41.8
Household appliances.....	363	11.4	11.4	4.6	4.4	6.8	7.0	73.8	74.0
Household cooking equipment.....	3631	15.6	18.0	7.0	5.9	8.6	12.1	113.5	100.9
Household refrigerators and freezers....	3632	9.5	9.2	3.5	3.5	6.0	5.7	42.2	49.4
Household laundry equipment.....	3633	10.8	9.1	3.1	2.6	7.7	6.5	56.2	35.9
Electric housewares and fans.....	3634	11.2	10.8	4.6	4.5	6.6	6.3	77.9	72.4
Household vacuum cleaners.....	3635	8.3	9.1	3.6	4.4	4.7	4.7	94.6	115.5
Sewing machines.....	3636	9.2	4.5	3.2	2.5	5.9	2.0	40.3	50.9
Household appliances, n.e.c.....	3639	15.8	16.7	7.6	7.7	8.2	9.0	117.5	123.6

See footnotes at end of table.

Table 4. Continued—Occupational injury incidence rates by industry, 1980 and 1981

Industry 1/	SIC code 2/	Incidence rates per 100 full-time workers 3/							
		Total cases 4/		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
		1980	1981	1980	1981	1980	1981	1980	1981
Electric lighting and wiring equipment.....	364	10.9	10.1	4.3	4.1	6.6	6.0	68.0	63.9
Electric lamps.....	3641	5.0	5.7	2.1	2.3	2.9	3.4	35.0	39.0
Current-carrying wiring devices.....	3643	9.6	8.4	3.7	3.3	5.9	5.0	58.3	54.0
Noncurrent-carrying wiring devices.....	3644	19.4	17.7	8.3	8.3	11.1	9.4	136.7	125.5
Residential lighting fixtures.....	3645	11.9	12.4	4.5	4.2	7.4	8.2	62.4	62.8
Commercial lighting fixtures.....	3646	18.4	15.3	6.5	6.6	11.8	8.7	90.8	96.0
Vehicular lighting equipment.....	3647	7.5	6.5	3.1	2.3	4.3	4.2	68.2	41.2
Lighting equipment, n.e.c.....	3648	-	15.0	-	6.6	-	8.4	-	79.7
Radio and TV receiving equipment.....	365	7.4	6.6	3.3	2.7	4.1	3.9	49.6	50.3
Radio and TV receiving sets.....	3651	7.6	6.7	3.2	2.7	4.4	4.0	50.8	52.8
Phonograph records.....	3652	6.6	6.3	3.4	2.7	3.2	3.6	45.1	41.9
Communication equipment.....	366	4.6	4.1	2.0	1.8	2.6	2.3	31.7	27.1
Telephone and telegraph apparatus.....	3661	4.8	4.5	2.6	2.2	2.2	2.3	45.8	35.2
Radio and TV communication equipment....	3662	4.5	3.9	1.7	1.6	2.8	2.3	25.9	24.2
Electronic components and accessories.....	367	6.4	5.8	2.5	2.4	3.9	3.4	33.3	32.2
Electron tubes, receiving type.....	3671	1.8	3.0	1.3	2.1	.5	.9	29.0	56.2
Cathode ray television picture tubes....	3672	9.2	8.9	5.9	5.8	3.2	3.1	85.1	78.4
Electron tubes, transmitting.....	3673	7.0	6.5	2.6	2.3	4.4	4.1	32.4	34.3
Semiconductors and related devices.....	3674	4.9	4.2	2.0	1.8	2.9	2.4	29.1	25.2
Electronic capacitors.....	3675	4.9	5.6	1.9	2.2	3.0	3.4	27.1	28.0
Electronic resistors.....	3676	7.1	6.5	2.5	2.9	4.6	3.6	35.2	40.1
Electronic coils and transformers.....	3677	8.9	8.4	2.7	3.1	6.1	5.3	40.3	39.7
Electronic connectors.....	3678	6.9	7.7	2.3	2.8	4.6	4.9	30.1	38.2
Electronic components, n.e.c.....	3679	7.7	6.9	2.9	2.6	4.8	4.2	34.5	34.4
Miscellaneous electrical equipment and supplies.....	369	7.9	6.9	3.7	3.2	4.2	3.7	57.4	49.6
Storage batteries.....	3691	14.7	11.0	8.2	6.6	6.5	4.4	126.6	111.0
Primary batteries, dry and wet.....	3692	6.5	5.2	2.1	1.9	4.4	3.3	36.3	31.2
X-ray apparatus and tubes.....	3693	5.4	4.7	2.0	1.6	3.4	3.1	25.0	20.8
Engine electrical equipment.....	3694	5.8	5.6	2.5	2.4	3.3	3.2	37.5	35.9
Electrical equipment and supplies, n.e.c.....	3699	11.1	11.9	5.1	5.6	6.0	6.3	95.9	73.1
Transportation equipment.....	37	10.1	9.4	4.7	4.5	5.4	4.9	79.9	76.1
Motor vehicles and equipment.....	371	9.5	8.7	4.2	3.8	5.3	4.9	64.1	58.8
Motor vehicles and car bodies.....	3711	6.2	5.9	2.5	2.6	3.7	3.3	31.5	35.6
Truck and bus bodies.....	3713	24.5	20.4	10.3	8.5	14.2	11.9	129.1	109.7
Motor vehicle parts and accessories.....	3714	9.8	9.1	4.5	4.2	5.3	4.9	81.5	70.4
Truck trailers.....	3715	22.7	21.2	10.3	8.8	12.4	12.4	145.1	118.5
Self-contained mobile homes.....	3716	18.0	22.2	6.7	6.6	11.3	15.6	83.9	113.2
Aircraft and parts.....	372	6.5	6.0	2.8	2.5	3.6	3.4	45.1	40.3
Aircraft.....	3721	4.6	4.6	2.0	1.8	2.6	2.8	33.9	28.4
Aircraft engines and engine parts.....	3724	7.5	6.3	4.0	3.5	3.5	2.8	67.1	63.5
Aircraft equipment, n.e.c.....	3728	10.1	9.0	3.8	3.3	6.3	5.7	49.4	43.3
Ship and boat building and repairing.....	373	23.9	22.7	12.4	12.5	11.4	10.2	245.0	245.4
Ship building and repairing.....	3731	24.9	23.0	13.1	13.0	11.8	10.0	267.8	267.6
Boat building and repairing.....	3732	19.7	21.2	9.7	10.0	10.0	11.1	150.7	145.5
Railroad equipment.....	374	19.3	13.4	10.6	8.4	8.7	5.0	190.2	163.8
Motorcycles, bicycles, and parts.....	375	15.9	19.2	5.9	8.6	10.0	10.6	63.7	103.1
Guided missiles, space vehicles, and parts.....	376	3.0	2.5	1.4	1.2	1.6	1.3	20.7	18.3
Guided missiles and space vehicles.....	3761	2.8	2.0	1.3	1.0	1.5	1.0	20.0	16.6
Space propulsion units and parts.....	3764	3.4	3.9	1.7	1.9	1.7	2.0	22.6	23.6
Space vehicle equipment, n.e.c.....	3769	3.9	4.3	2.0	1.7	1.9	2.6	24.0	23.0
Miscellaneous transportation equipment....	379	15.1	16.3	6.6	7.7	8.5	8.6	81.7	84.4
Travel trailers and campers.....	3792	18.5	21.1	7.3	8.5	11.2	12.6	94.1	91.2
Tanks and tank components.....	3795	8.4	9.9	5.7	6.4	2.7	3.4	72.5	68.9
Transportation equipment, n.e.c.....	3799	16.8	16.9	6.4	8.2	10.4	8.7	73.5	95.5
Instruments and related products.....	38	6.4	6.1	2.6	2.5	3.8	3.6	38.5	36.3
Engineering and scientific instruments....	381	5.6	6.2	2.0	2.4	3.6	3.8	30.8	31.3
Measuring and controlling devices.....	382	6.6	6.2	2.7	2.6	3.9	3.6	40.8	39.5
Environmental controls.....	3822	8.2	7.6	3.4	3.1	4.8	4.5	61.0	47.7
Process control instruments.....	3823	7.3	5.9	2.8	2.6	4.4	3.3	42.1	42.2
Fluid meters and counting devices.....	3824	9.2	8.1	4.5	4.0	4.7	4.1	59.0	59.9
Instruments to measure electricity.....	3825	4.7	5.0	2.0	2.1	2.7	2.9	27.5	29.0
Measuring and controlling devices, n.e.c.....	3829	8.6	7.8	2.9	2.5	5.7	5.3	41.5	45.5
Optical instruments and lenses.....	383	6.3	5.9	2.9	2.6	3.4	3.3	37.7	30.4

See footnotes at end of table.

Table 4. Continued—Occupational injury incidence rates by industry, 1980 and 1981

Industry 1/	SIC code 2/	Incidence rates per 100 full-time workers 3/							
		Total cases 4/		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
		1980	1981	1980	1981	1980	1981	1980	1981
Medical instruments and supplies.....	384	7.3	6.5	2.8	2.7	4.5	3.8	44.9	39.5
Surgical and medical instruments.....	3841	6.4	5.6	2.4	2.3	4.0	3.3	38.2	32.7
Surgical appliances and supplies.....	3842	8.0	7.2	3.2	3.0	4.8	4.2	52.5	46.2
Dental equipment and supplies.....	3843	8.3	7.8	3.1	3.2	5.2	4.6	44.1	43.6
Ophthalmic goods.....	385	5.8	5.7	2.4	2.2	3.4	3.5	31.7	28.7
Photographic equipment and supplies.....	386	5.9	5.4	2.3	2.3	3.6	3.1	34.9	33.1
Watches, clocks, and watchcases.....	387	4.6	5.9	2.3	2.2	2.3	3.7	30.5	33.8
Miscellaneous manufacturing industries.....	39	10.5	10.3	4.2	4.2	6.2	6.1	64.3	64.4
Jewelry, silverware, and plated ware.....	391	5.9	5.8	2.4	2.4	3.5	3.4	45.9	43.0
Jewelry, precious metal.....	3911	4.1	4.4	1.4	1.3	2.7	3.0	24.7	21.6
Silverware and plated ware.....	3914	10.8	9.9	5.3	5.5	5.4	4.4	116.7	108.6
Jewelers' materials and lapidary work...	3915	7.0	5.8	2.8	2.2	4.2	3.6	40.9	39.6
Musical instruments.....	393	10.7	10.0	3.4	4.2	7.3	5.8	55.4	66.0
Toys and sporting goods.....	394	11.9	11.2	4.8	4.7	7.1	6.5	71.6	69.7
Games, toys, and children's vehicles....	3944	10.2	9.8	4.7	4.6	5.5	5.2	64.8	76.9
Sporting and athletic goods, n.e.c.....	3949	14.3	13.1	5.3	5.2	9.0	7.9	84.5	69.8
Pens, pencils, office and art supplies....	395	10.1	9.2	4.4	4.1	5.7	5.1	65.3	65.8
Pens and mechanical pencils.....	3951	9.2	7.0	4.1	3.7	5.1	3.3	62.6	59.6
Lead pencils and art goods.....	3952	12.8	12.3	5.8	5.5	7.0	6.8	78.8	103.2
Marking devices.....	3953	7.3	6.7	2.1	2.2	5.2	4.5	31.8	29.4
Carbon paper and inked ribbons.....	3955	12.6	12.9	7.0	6.1	5.6	6.8	107.3	76.7
Costume jewelry and notions.....	396	8.0	7.8	3.1	3.2	4.8	4.6	52.1	49.2
Needles, pins, and fasteners.....	3964	10.6	10.6	4.1	4.9	6.5	5.7	69.6	69.0
Miscellaneous manufactures.....	399	12.1	12.7	5.0	5.0	7.1	7.7	71.3	73.5
Brooms and brushes.....	3991	12.7	10.7	6.1	4.8	6.6	5.9	94.9	77.2
Signs and advertising displays.....	3993	12.8	13.5	5.2	5.0	7.6	8.5	72.4	71.9
Burial caskets.....	3995	15.2	14.8	5.4	5.3	9.8	9.5	54.3	73.7
Hard surface floor coverings.....	3996	10.6	10.0	5.8	5.3	4.8	4.7	112.3	118.9
Manufacturing industries, n.e.c.....	3999	10.7	12.6	4.2	4.8	6.5	7.8	58.4	65.8
Nondurable goods.....		10.7	10.2	4.8	4.6	5.9	5.5	78.1	75.0
Food and kindred products.....	20	18.1	17.1	8.7	8.2	9.4	8.9	131.8	125.3
Meat products.....	201	26.0	23.9	12.3	11.0	13.7	12.9	160.8	148.5
Meatpacking plants.....	2011	31.0	29.7	15.1	14.0	15.9	15.7	191.0	183.2
Sausages and other prepared meats.....	2013	23.9	21.3	11.9	10.5	11.9	10.8	170.6	159.3
Poultry dressing plants.....	2016	19.9	17.4	8.4	7.2	11.5	10.2	111.5	94.6
Poultry and egg processing.....	2017	22.3	19.8	9.4	8.4	12.9	11.4	121.4	114.3
Dairy products.....	202	15.4	14.6	7.7	7.0	7.7	7.6	120.1	116.4
Creamery butter.....	2021	11.3	18.0	5.0	8.5	6.3	9.5	89.3	126.8
Cheese, natural and processed.....	2022	15.3	14.9	7.3	6.5	8.0	8.3	98.5	89.4
Condensed and evaporated milk.....	2023	12.6	11.5	6.6	5.6	6.0	5.9	86.9	85.6
Ice cream and frozen desserts.....	2024	17.7	16.3	9.4	8.4	8.3	7.9	145.5	147.9
Fluid milk.....	2026	15.6	14.6	7.8	7.1	7.8	7.5	128.8	124.3
Preserved fruits and vegetables.....	203	15.4	15.1	7.4	7.5	8.0	7.6	121.4	112.3
Canned specialties.....	2032	11.6	12.1	5.3	6.9	6.2	5.2	93.7	95.2
Canned fruits and vegetables.....	2033	15.5	15.2	7.2	7.2	8.2	8.0	107.9	106.2
Dehydrated fruits, vegetables, soups...	2034	16.2	17.1	8.4	8.5	7.7	8.6	137.4	132.7
Pickles, sauces, and salad dressings...	2035	14.7	13.0	7.1	6.1	7.6	6.8	103.5	84.0
Frozen fruits and vegetables.....	2037	18.2	18.1	8.8	9.0	9.3	9.0	167.0	146.2
Frozen specialties.....	2038	14.5	13.5	7.6	7.1	6.9	6.4	128.5	106.2
Grain mill products.....	204	14.5	12.4	7.2	6.1	7.3	6.3	126.0	112.6
Flour and other grain mill products....	2041	15.7	13.1	7.9	6.6	7.8	6.5	137.0	120.7
Cereal breakfast foods.....	2043	12.2	9.4	6.5	5.8	5.7	3.6	137.7	125.9
Rice milling.....	2044	15.2	20.1	8.8	9.8	6.3	10.3	197.9	198.8
Blended and prepared flour.....	2045	13.5	12.7	7.3	7.1	6.2	5.5	128.3	129.4
Wet corn milling.....	2046	9.9	8.2	5.5	4.0	4.3	4.2	102.6	65.9
Dog, cat, and other pet food.....	2047	17.5	16.8	8.3	8.0	9.2	8.8	137.3	129.6
Prepared feeds, n.e.c.....	2048	14.7	12.0	6.9	5.4	7.8	6.6	112.4	100.7
Bakery products.....	205	13.5	12.8	6.8	6.6	6.7	6.2	128.8	124.1
Bread, cake, and related products.....	2051	13.7	13.0	7.0	6.7	6.7	6.3	128.1	126.5
Cookies and crackers.....	2052	12.9	12.0	6.1	5.8	6.7	6.2	132.2	113.2

See footnotes at end of table.

Table 4. Continued—Occupational injury incidence rates by industry, 1980 and 1981

Industry 1/	SIC code 2/	Incidence rates per 100 full-time workers 3/							
		Total cases 4/		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
		1980	1981	1980	1981	1980	1981	1980	1981
Sugar and confectionery products.....	206	13.9	14.7	6.9	7.5	7.0	7.2	107.9	101.9
Raw cane sugar.....	2061	20.6	31.0	10.6	19.0	10.0	12.0	135.0	210.6
Cane sugar refining.....	2062	13.0	10.9	7.6	6.7	5.4	4.2	154.1	112.0
Beet sugar.....	2063	21.0	17.2	11.2	10.4	9.8	6.8	139.5	124.4
Confectionery products.....	2065	12.8	12.8	5.9	5.4	6.9	7.4	96.4	79.5
Chocolate and cocoa products.....	2066	9.6	11.5	5.0	5.5	4.5	6.0	82.5	88.8
Chewing gum.....	2067	9.6	9.8	4.5	4.8	5.1	5.0	81.7	74.6
Fats and oils.....	207	19.5	18.3	9.2	8.9	10.3	9.4	169.2	133.9
Cottonseed oil mills.....	2074	21.6	22.8	10.3	10.4	11.1	12.4	243.4	155.2
Soybean oil mills.....	2075	13.8	13.5	6.6	6.7	7.2	6.8	95.7	93.6
Vegetable oil mills, n.e.c.....	2076	15.0	13.7	6.5	6.6	8.4	7.1	106.4	77.4
Animal and marine fats and oils.....	2077	26.4	23.1	13.2	12.5	13.1	10.6	225.4	191.1
Shortening and cooking oils.....	2079	17.5	17.4	7.5	7.6	10.0	9.7	137.1	120.6
Beverages.....	208	21.4	20.4	9.8	9.7	11.6	10.7	135.1	139.5
Malt beverages.....	2082	15.1	14.2	5.5	5.6	9.6	8.6	102.9	81.6
Malt.....	2083	27.3	23.3	13.4	12.0	13.9	11.3	163.9	207.4
Wines, brandy, and brandy spirits.....	2084	21.6	21.0	10.9	10.7	10.7	10.3	133.2	173.9
Distilled liquor, except brandy.....	2085	16.6	17.6	8.0	8.7	8.5	8.9	146.8	159.2
Bottled and canned soft drinks.....	2086	25.3	24.1	11.9	11.7	13.4	12.4	151.1	163.2
Flavoring extracts and syrups, n.e.c.....	2087	8.4	7.7	4.1	3.3	4.2	4.3	67.9	38.7
Miscellaneous foods and kindred products..	209	14.6	14.3	7.3	7.1	7.3	7.1	105.6	108.0
Canned and cured seafoods.....	2091	17.3	19.3	7.8	9.3	9.5	10.0	104.3	112.7
Fresh or frozen packaged fish.....	2092	17.4	17.1	9.7	8.9	7.6	8.2	124.4	138.5
Roasted coffee.....	2095	9.9	10.6	6.0	6.1	3.9	4.5	91.3	104.8
Manufactured ice.....	2097	17.3	17.7	10.6	10.0	6.7	7.6	147.2	157.4
Macaroni and spaghetti.....	2098	16.4	17.4	8.4	9.1	8.0	8.3	159.6	164.1
Food preparations, n.e.c.....	2099	13.6	12.3	6.3	5.9	7.2	6.4	94.0	88.1
Tobacco manufactures.....	21	8.1	8.1	3.7	3.8	4.3	4.3	45.3	55.9
Cigarettes.....	211	6.8	7.1	3.4	3.7	3.4	3.4	42.0	55.2
Cigars.....	212	6.9	6.3	2.7	2.9	4.1	3.4	30.8	64.7
Chewing and smoking tobacco.....	213	12.8	15.3	4.9	5.2	7.9	10.1	64.2	68.1
Tobacco stemming and redrying.....	214	12.2	11.0	5.4	4.6	6.8	6.4	61.6	49.4
Textile mill products.....	22	8.9	8.6	3.2	3.2	5.7	5.4	61.8	58.4
Weaving mills, cotton.....	221	7.5	6.6	2.2	2.1	5.3	4.4	50.9	51.5
Weaving mills, synthetics.....	222	7.7	7.9	2.6	2.5	5.1	5.4	53.0	49.4
Weaving and finishing mills, wool.....	223	10.4	11.3	5.1	5.9	5.3	5.4	95.2	114.5
Narrow fabric mills.....	224	9.7	11.4	4.3	4.4	5.4	7.0	80.1	68.1
Knitting mills.....	225	7.3	7.0	3.0	2.8	4.3	4.2	47.7	39.7
Women's hosiery, except socks.....	2251	4.3	4.0	1.7	1.5	2.6	2.5	27.2	19.9
Hosiery, n.e.c.....	2252	5.2	5.6	2.2	2.1	3.0	3.5	32.7	29.5
Knit outerwear mills.....	2253	6.2	6.7	2.2	2.5	4.0	4.2	33.9	32.6
Knit underwear mills.....	2254	8.3	7.1	3.6	3.3	4.7	3.8	60.8	45.5
Circular knit fabric mills.....	2257	10.6	10.1	4.5	4.4	6.1	5.7	82.1	69.9
Warp knit fabric mills.....	2258	9.9	8.8	4.3	3.5	5.6	5.3	64.4	56.7
Knitting mills, n.e.c.....	2259	12.3	11.6	5.7	6.0	6.6	5.6	55.4	42.2
Textile finishing, except wool.....	226	12.0	11.3	4.9	4.8	7.1	6.5	91.2	97.7
Finishing plants, cotton.....	2261	10.2	9.1	4.1	3.6	6.1	5.5	81.2	88.0
Finishing plants, synthetics.....	2262	12.8	11.9	5.3	5.1	7.5	6.8	102.4	94.7
Finishing plants, n.e.c.....	2269	14.3	14.9	5.7	6.8	8.5	8.1	90.5	124.8
Floor covering mills.....	227	10.8	10.2	3.4	3.3	7.4	6.9	67.0	60.7
Woven carpets and rugs.....	2271	10.5	11.7	3.6	4.4	6.9	7.3	51.3	48.5
Tufted carpets and rugs.....	2272	11.0	10.1	3.4	3.1	7.6	7.0	70.0	62.8
Carpets and rugs, n.e.c.....	2279	-	6.6	-	3.7	-	2.9	-	52.8
Yarn and thread mills.....	228	9.2	9.2	2.8	2.8	6.4	6.3	54.4	51.0
Yarn mills, except wool.....	2281	9.5	9.6	2.6	2.7	6.9	6.9	49.5	48.7
Throwing and winding mills.....	2282	8.8	8.7	2.6	3.0	6.2	5.7	45.7	51.4
Wool yarn mills.....	2283	10.9	9.2	5.0	4.4	5.9	4.8	120.8	84.9
Thread mills.....	2284	6.5	6.2	2.4	2.4	4.1	3.8	51.5	37.9
Miscellaneous textile goods.....	229	13.2	12.0	5.8	5.3	7.3	6.6	109.0	96.3
Felt goods, except woven felts and hats.	2291	16.2	13.1	7.8	6.8	8.4	6.3	139.5	107.0
Lace goods.....	2292	12.0	11.4	4.7	4.2	7.3	7.2	114.9	72.6
Paddings and upholstery filling.....	2293	15.0	11.6	7.7	6.3	7.3	5.3	182.2	140.4
Processed textile waste.....	2294	14.2	12.2	5.3	5.3	8.8	6.9	87.4	95.9
Coated fabrics, not rubberized.....	2295	14.6	13.7	6.4	5.8	8.2	7.9	123.1	101.1
Nonwoven fabrics.....	2297	15.4	15.9	6.6	6.6	8.7	9.3	113.4	115.0
Cordage and twine.....	2298	14.9	14.0	7.0	6.8	7.9	7.2	93.6	102.2
Textile goods, n.e.c.....	2299	11.2	10.5	4.6	4.5	6.6	6.0	90.9	73.8

See footnotes at end of table.

Table 4. Continued—Occupational injury incidence rates by industry, 1980 and 1981

Industry 1/	SIC code 2/	Incidence rates per 100 full-time workers 3/							
		Total cases 4/		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
		1980	1981	1980	1981	1980	1981	1980	1981
Apparel and other textile products.....	23	6.3	6.1	2.2	2.1	4.1	4.0	33.9	33.9
Men's and boys' suits and coats.....	231	6.1	6.9	2.5	2.7	3.6	4.2	40.6	42.3
Men's and boys' furnishings.....	232	7.7	7.4	2.9	2.8	4.8	4.6	41.6	44.1
Men's and boys' shirts and nightwear....	2321	5.9	5.9	2.1	2.0	3.8	3.9	29.2	26.0
Men's and boys' underwear.....	2322	6.6	6.0	2.2	2.4	4.4	3.6	35.3	36.2
Men's and boys' neckwear.....	2323	-	3.4	-	1.3	-	2.1	-	18.0
Men's and boys' separate trousers.....	2327	7.1	7.6	2.8	3.0	4.3	4.6	41.7	54.1
Men's and boys' work clothing.....	2328	10.3	9.2	4.1	3.9	6.2	5.2	57.1	64.7
Men's and boys' clothing, n.e.c.....	2329	7.4	7.3	2.5	2.3	4.9	5.0	38.7	31.3
Women's and misses' outerwear.....	233	4.3	4.3	1.3	1.3	3.0	3.0	22.2	21.6
Women's and misses' blouses and waists..	2331	3.9	4.1	1.0	1.1	2.8	2.9	16.9	15.8
Women's and misses' dresses.....	2335	3.0	2.7	.9	.6	2.1	2.1	15.3	12.2
Women's and misses' suits and coats.....	2337	-	4.1	-	1.3	-	2.8	-	26.9
Women's and misses' outerwear, n.e.c.....	2339	5.9	6.0	1.8	1.9	4.1	4.1	33.3	30.4
Women's and children's undergarments.....	234	6.2	6.3	1.9	1.9	4.3	4.4	27.9	28.2
Women's and children's underwear.....	2341	6.1	6.4	1.8	1.9	4.2	4.4	28.4	29.6
Brassieres and allied garments.....	2342	6.6	6.2	2.0	1.6	4.6	4.6	26.1	22.8
Hats, caps, and millinery.....	235	8.4	6.9	3.2	2.6	5.2	4.3	44.0	46.7
Hats and caps, except millinery.....	2352	8.9	7.3	3.5	2.8	5.4	4.5	46.4	51.6
Children's outerwear.....	236	5.2	4.7	1.8	1.7	3.4	3.0	31.8	29.4
Children's dresses and blouses.....	2361	4.4	3.9	1.4	1.4	3.0	2.5	28.4	20.3
Children's coats and suits.....	2363	5.6	5.1	2.0	1.7	3.6	3.4	41.4	32.1
Children's outerwear, n.e.c.....	2369	5.7	5.3	2.0	2.0	3.7	3.3	32.6	36.8
Miscellaneous apparel and accessories.....	238	6.1	5.9	2.1	2.3	4.0	3.6	33.8	36.1
Fabric dress and work gloves.....	2381	4.3	4.0	2.0	1.9	2.3	2.1	34.1	24.4
Robes and dressing gowns.....	2384	5.6	4.9	1.7	1.8	3.8	3.1	35.5	26.0
Waterproof outer garments.....	2385	7.1	6.3	2.3	2.5	4.8	3.7	32.4	38.0
Leather and sheep lined clothing.....	2386	5.5	4.7	2.1	2.6	3.4	2.1	32.7	38.0
Apparel belts.....	2387	7.0	8.3	2.0	2.9	5.0	5.4	38.3	46.0
Miscellaneous fabricated textile products.....	239	8.3	7.7	3.0	2.7	5.3	5.0	44.9	40.6
Curtains and draperies.....	2391	7.4	6.2	2.4	2.5	4.9	3.7	32.5	39.8
House furnishings, n.e.c.....	2392	9.4	8.9	3.0	2.8	6.4	6.1	42.4	46.6
Textile bags.....	2393	11.9	12.8	4.3	4.2	7.6	8.5	56.1	68.4
Canvas and related products.....	2394	10.7	9.7	4.9	3.6	5.8	6.0	77.3	50.8
Pleating and stitching.....	2395	6.4	6.3	2.0	2.1	4.4	4.2	23.7	23.1
Automotive and apparel trimmings.....	2396	6.3	5.8	2.0	2.0	4.3	3.8	40.9	32.6
Schiffli machine embroideries.....	2397	3.0	5.7	1.4	2.8	1.6	2.9	17.4	40.9
Fabricated textile products, n.e.c.....	2399	9.1	7.7	3.8	2.7	5.3	5.0	63.0	35.4
Paper and allied products.....	26	12.5	11.4	5.7	5.3	6.8	6.1	110.6	102.3
Pulp mills.....	261	9.8	7.6	4.2	3.5	5.6	4.1	123.6	85.9
Paper mills, except building paper.....	262	10.4	9.3	4.8	4.3	5.5	5.0	115.6	112.2
Paperboard mills.....	263	12.5	11.1	5.4	4.5	7.1	6.5	130.0	101.8
Miscellaneous converted paper products....	264	12.5	12.3	5.8	5.7	6.7	6.6	90.6	93.9
Paper coating and glazing.....	2641	9.1	9.8	4.3	4.5	4.8	5.3	63.7	74.7
Envelopes.....	2642	16.5	15.9	7.7	7.6	8.8	8.3	110.9	116.4
Bags, except textile bags.....	2643	15.6	14.0	6.6	6.0	8.9	8.0	108.2	99.0
Die-cut paper and board.....	2645	11.0	11.7	5.3	5.7	5.7	6.0	65.2	76.0
Pressed and molded pulp goods.....	2646	14.0	13.5	9.0	7.7	5.0	5.7	124.7	137.2
Sanitary paper products.....	2647	8.2	8.8	4.2	4.4	4.0	4.3	73.8	88.4
Stationery products.....	2648	14.2	15.6	6.2	6.5	8.0	9.0	94.4	111.6
Converted paper products, n.e.c.....	2649	14.4	13.8	6.8	6.8	7.6	7.0	115.6	104.9
Paperboard containers and boxes.....	265	14.8	13.0	6.7	6.1	8.1	6.8	119.4	102.1
Folding paperboard boxes.....	2651	14.4	11.8	6.1	5.5	8.3	6.3	105.1	89.7
Set-up paperboard boxes.....	2652	10.8	12.4	4.4	5.4	6.4	7.0	81.5	101.9
Corrugated and solid fiber boxes.....	2653	16.6	14.4	7.6	6.8	9.0	7.6	132.9	109.6
Sanitary food containers.....	2654	11.0	10.2	5.7	5.4	5.3	4.8	101.8	86.7
Fiber cans, drums, and similar products.....	2655	14.1	11.4	6.3	5.2	7.8	6.2	125.0	109.5
Building paper and board mills.....	266	10.1	9.2	5.6	5.3	4.4	3.8	126.2	138.5
Printing and publishing.....	27	6.7	6.5	3.0	3.0	3.7	3.5	45.7	46.5
Newspapers.....	271	6.1	5.9	2.8	2.7	3.3	3.1	47.0	45.3
Periodicals.....	272	2.4	2.5	1.2	1.2	1.2	1.3	15.7	18.4

See footnotes at end of table.

Table 4. Continued—Occupational injury incidence rates by industry, 1980 and 1981

Industry 1/	SIC code 2/	Incidence rates per 100 full-time workers 3/							
		Total cases 4/		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
		1980	1981	1980	1981	1980	1981	1980	1981
Books.....	273	6.8	6.9	3.0	3.2	3.8	3.6	42.0	40.0
Book publishing.....	2731	4.6	4.8	2.0	2.3	2.6	2.5	22.8	24.4
Book printing.....	2732	11.2	11.5	5.0	5.3	6.2	6.2	79.3	74.7
Miscellaneous publishing.....	274	3.2	2.7	1.4	1.3	1.8	1.4	21.1	27.4
Commercial printing.....	275	8.0	7.8	3.6	3.6	4.4	4.2	54.7	55.3
Commercial printing, letterpress.....	2751	7.6	7.6	3.5	3.7	4.1	3.9	55.4	65.0
Commercial printing, lithographic.....	2752	8.2	7.7	3.5	3.4	4.7	4.3	52.2	47.8
Engraving and plate printing.....	2753	5.9	7.3	2.5	2.8	3.4	4.5	32.9	38.6
Commercial printing, gravure.....	2754	12.6	12.6	7.2	6.7	5.4	5.8	108.9	95.7
Manifold business forms.....	276	11.3	10.8	5.1	5.1	6.2	5.6	61.9	78.9
Greeting card publishing.....	277	5.5	5.4	2.2	2.4	3.3	3.0	31.0	43.0
Blankbooks and bookbinding.....	278	9.9	9.8	4.3	4.2	5.6	5.6	58.5	59.8
Blankbooks and looseleaf binders.....	2782	9.5	10.1	4.1	4.1	5.4	6.0	55.4	60.2
Bookbinding and related work.....	2789	10.6	9.4	4.7	4.3	5.9	5.1	63.6	59.1
Printing trade services.....	279	2.2	2.3	.8	.7	1.4	1.6	—	11.3
Typesetting.....	2791	—	1.4	—	.5	—	.8	—	8.7
Photoengraving.....	2793	3.0	3.9	1.1	1.2	1.9	2.7	15.7	20.0
Chemicals and allied products.....	28	6.4	6.2	3.0	2.9	3.4	3.3	48.7	46.6
Industrial inorganic chemicals.....	281	4.8	4.5	2.1	2.0	2.7	2.5	42.3	37.4
Alkalies and chlorine.....	2812	4.1	4.0	1.9	2.0	2.2	1.9	39.4	36.6
Industrial gases.....	2813	4.8	4.4	2.1	2.0	2.7	2.4	47.9	60.9
Inorganic pigments.....	2816	9.1	9.8	4.0	3.6	5.1	6.1	59.3	70.1
Industrial inorganic chemicals, n.e.c....	2819	4.5	4.0	1.9	1.8	2.5	2.2	39.9	28.8
Plastics materials and synthetics.....	282	4.6	4.2	2.3	1.9	2.5	2.3	38.2	37.7
Plastics materials and resins.....	2821	6.9	5.5	3.3	2.7	3.6	2.8	54.8	49.2
Synthetic rubber.....	2822	8.0	6.8	3.8	3.4	4.2	3.4	70.0	66.1
Drugs.....	283	5.8	5.9	2.8	2.9	2.9	3.0	37.3	40.4
Biological products.....	2831	5.3	5.6	2.5	2.6	2.8	3.0	35.0	39.2
Medicinals and botanicals.....	2833	6.8	7.1	3.7	3.7	3.1	3.3	50.6	64.5
Pharmaceutical preparations.....	2834	5.7	5.8	2.8	2.9	2.9	2.9	36.0	37.7
Soap, cleaners, and toilet goods.....	284	9.1	8.7	4.6	4.0	4.5	4.6	74.3	64.1
Soap and other detergents.....	2841	9.1	8.7	5.0	4.0	4.1	4.7	85.8	68.4
Polishes and sanitation goods.....	2842	11.2	9.0	5.0	4.2	6.2	4.8	80.8	68.9
Surface active agents.....	2843	—	12.1	—	5.8	—	6.3	—	69.9
Toilet preparations.....	2844	7.4	8.1	3.9	3.8	3.5	4.2	60.3	57.8
Paints and allied products.....	285	11.6	12.3	5.4	5.9	6.1	6.4	73.2	76.5
Industrial organic chemicals.....	286	4.4	4.2	2.0	1.9	2.4	2.3	34.5	35.4
Gum and wood chemicals.....	2861	—	6.9	—	3.3	—	3.6	—	62.0
Cyclic crudes and intermediates.....	2865	5.2	5.1	2.7	2.3	2.5	2.8	49.9	43.7
Industrial organic chemicals, n.e.c....	2869	3.8	3.8	1.6	1.8	2.2	2.0	28.4	31.5
Agricultural chemicals.....	287	7.7	6.6	3.2	2.8	4.5	3.8	49.9	48.9
Nitrogenous fertilizers.....	2873	6.5	6.6	2.4	2.2	4.1	4.4	45.2	49.0
Phosphate fertilizers.....	2874	6.4	6.2	2.7	2.5	3.7	3.7	57.3	56.4
Agricultural chemicals, n.e.c....	2879	7.5	5.4	3.5	2.7	3.9	2.7	40.8	36.1
Miscellaneous chemical products.....	289	10.0	10.0	4.8	4.6	5.2	5.4	79.3	67.8
Adhesives and sealants.....	2891	13.4	12.5	6.0	5.8	7.4	6.7	90.8	80.7
Explosives.....	2892	6.4	5.3	2.8	2.5	3.6	2.8	63.6	46.0
Printing ink.....	2893	11.7	10.5	5.5	4.9	6.2	5.5	85.9	60.1
Carbon black.....	2895	5.8	5.0	3.3	2.2	2.4	2.8	91.5	35.5
Chemical preparations, n.e.c....	2899	9.3	10.9	4.7	5.0	4.6	5.9	75.9	75.1
Petroleum and coal products.....	29	7.0	6.3	3.5	2.9	3.5	3.4	58.1	50.4
Petroleum refining.....	291	5.1	5.1	2.7	2.4	2.4	2.7	41.4	39.7
Paving and roofing materials.....	295	13.1	11.0	6.1	4.7	6.9	6.3	119.5	97.7
Paving mixtures and blocks.....	2951	11.6	9.7	5.3	3.9	6.2	5.8	108.7	79.0
Asphalt felts and coatings.....	2952	14.0	11.9	6.6	5.2	7.4	6.7	126.2	110.8
Miscellaneous petroleum and coal products.....	299	14.4	12.7	6.7	5.9	7.7	6.8	110.1	94.5
Lubricating oils and greases.....	2992	14.1	12.2	6.5	5.3	7.5	6.8	110.6	90.9
Petroleum and coal products, n.e.c....	2999	16.5	15.3	8.0	8.9	8.5	6.3	106.9	113.8

See footnotes at end of table.

Table 4. Continued—Occupational injury incidence rates by industry, 1980 and 1981

Industry 1/	SIC code 2/	Incidence rates per 100 full-time workers 3/							
		Total cases 4/		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
		1980	1981	1980	1981	1980	1981	1980	1981
Rubber and miscellaneous plastics products..	30	15.0	14.2	7.2	7.0	7.8	7.2	115.1	113.8
Tires and inner tubes.....	301	12.5	12.1	8.6	8.1	3.9	3.9	159.5	154.5
Rubber and plastics footwear.....	302	13.7	11.1	5.8	5.1	7.9	5.9	82.7	75.3
Reclaimed rubber.....	303	28.6	19.3	18.8	9.8	9.8	9.5	346.8	265.5
Rubber and plastics hose and belting.....	304	12.9	12.1	6.9	6.7	5.9	5.4	120.1	106.6
Fabricated rubber products, n.e.c.....	306	15.1	14.6	7.5	7.1	7.6	7.5	120.3	116.1
Miscellaneous plastics products.....	307	15.8	14.9	6.9	6.8	8.9	8.1	103.2	105.9
Leather and leather products.....	31	11.1	10.9	4.7	4.8	6.4	6.1	77.8	75.2
Leather tanning and finishing.....	311	21.7	22.4	11.6	12.8	10.1	9.6	201.5	218.0
Boot and shoe cut stock and findings.....	313	15.6	13.4	6.6	5.7	9.0	7.7	145.4	78.7
Footwear, except rubber.....	314	10.2	10.3	4.3	4.2	5.9	6.1	65.7	64.3
House slippers.....	3142	8.5	10.3	3.8	5.1	4.7	5.1	61.5	82.3
Men's footwear, except athletic.....	3143	11.7	12.4	4.5	4.5	7.2	7.9	78.6	72.1
Women's footwear, except athletic.....	3144	9.1	7.7	3.9	3.6	5.2	4.1	52.9	54.7
Footwear, except rubber, n.e.c.....	3149	9.9	11.2	4.6	4.6	5.3	6.6	67.1	59.2
Leather gloves and mittens.....	315	-	4.8	-	2.2	-	2.6	-	43.9
Luggage.....	316	11.4	9.2	4.9	4.4	6.5	4.8	92.1	75.7
Handbags and personal leather goods.....	317	7.8	6.2	2.4	2.4	5.4	3.8	36.9	35.2
Women's handbags and purses.....	3171	6.8	5.1	1.9	1.6	4.9	3.5	32.2	23.6
Personal leather goods, n.e.c.....	3172	8.9	7.7	3.0	3.5	5.9	4.2	42.5	51.2
Leather goods, n.e.c.....	319	9.7	9.6	3.1	2.6	6.5	7.0	39.4	38.7
Transportation and public utilities.....		9.2	8.9	5.4	5.2	3.7	3.7	103.3	100.0
Railroad transportation 5/.....	40	10.7	9.8	7.0	6.2	3.7	3.5	106.1	94.9
Local and interurban passenger transit.....	41	9.3	9.2	5.2	5.0	4.1	4.2	91.5	100.7
Local and suburban transportation.....	411	12.5	12.8	7.5	7.0	4.9	5.8	116.1	123.3
Taxicabs.....	412	5.5	5.5	2.8	3.0	2.6	2.5	51.1	60.8
Intercity highway transportation.....	413	12.9	11.8	6.7	6.8	6.2	5.0	150.3	159.2
Transportation charter service.....	414	4.7	5.4	2.5	2.8	2.2	2.6	42.1	52.1
School buses.....	415	6.2	5.5	3.0	2.8	3.2	2.7	52.2	64.7
Bus terminal and service facilities.....	417	-	13.6	-	5.7	-	7.9	-	121.7
Trucking and warehousing.....	42	14.7	14.6	8.9	8.8	5.8	5.8	185.8	183.4
Trucking, local and long distance.....	421	14.7	14.6	9.0	8.9	5.7	5.7	189.7	187.1
Public warehousing.....	422	15.0	14.3	7.4	7.1	7.5	7.2	126.7	118.9
Water transportation.....	44	13.9	12.2	8.3	7.1	5.5	5.1	297.7	269.1
Water transportation services.....	446	20.7	19.6	12.5	11.6	8.1	8.0	504.7	495.6
Transportation by air.....	45	13.0	13.3	8.0	8.1	5.0	5.1	103.6	102.2
Certificated air transportation.....	451	13.6	14.0	8.5	8.8	5.1	5.2	110.3	110.1
Noncertificated air transportation.....	452	6.1	7.1	3.0	3.3	3.1	3.7	34.2	46.4
Air transportation services.....	458	11.0	10.8	5.8	5.6	5.2	5.2	78.5	72.0
Pipelines, except natural gas.....	46	5.0	4.1	1.7	1.4	3.3	2.7	30.4	28.8
Transportation services.....	47	4.6	4.5	2.5	2.2	2.1	2.3	39.8	41.6
Freight forwarding.....	471	7.4	6.9	4.3	3.8	3.1	3.1	73.1	71.2
Arrangement of transportation.....	472	-	1.0	-	.5	-	.5	-	21.7
Communication.....	48	2.7	2.6	1.6	1.5	1.1	1.1	28.1	26.3
Telephone communication.....	481	2.2	2.2	1.4	1.4	.8	.8	26.0	26.5
Telegraph communication.....	482	4.1	3.4	2.5	1.8	1.6	1.6	55.9	30.9
Radio and television broadcasting.....	483	2.5	2.4	1.1	.9	1.4	1.5	16.6	11.3
Communication services, n.e.c.....	489	11.3	9.4	5.3	4.2	6.0	5.2	92.1	57.6
Electric, gas, and sanitary services.....	49	8.4	8.1	4.3	4.2	4.1	3.9	70.1	69.3
Electric services.....	491	7.4	7.1	3.5	3.4	3.9	3.7	60.2	58.9
Gas production and distribution.....	492	7.3	7.6	3.6	3.8	3.6	3.8	52.3	55.2
Combination utility services.....	493	6.8	6.2	3.6	3.4	3.2	2.8	72.1	70.8
Water supply.....	494	11.6	11.3	5.7	5.2	5.9	6.0	72.4	65.1
Sanitary services.....	495	24.9	24.0	14.8	14.3	10.1	9.7	201.3	199.8
Steam supply.....	496	-	17.0	-	6.7	-	10.3	-	105.8
Wholesale and retail trade.....		7.4	7.2	3.2	3.1	4.2	4.1	48.1	44.6
Wholesale trade.....		8.1	7.6	3.8	3.5	4.2	4.1	57.1	53.5
Wholesale trade—durable goods.....	50	7.8	7.2	3.5	3.1	4.3	4.1	50.3	46.3
Motor vehicles and automotive equipment..	501	7.8	7.4	3.3	3.0	4.4	4.3	44.3	51.5
Lumber and construction materials.....	503	11.6	11.0	6.3	5.5	5.3	5.5	93.9	84.0
Metals and minerals, except petroleum.....	505	15.1	14.9	6.5	6.7	8.6	8.2	106.3	102.1
Electrical goods.....	506	4.0	4.6	1.7	2.1	2.3	2.5	22.6	29.8
Hardware, plumbing and heating equipment..	507	6.8	5.8	2.8	2.6	4.0	3.2	36.2	38.5
Machinery, equipment and supplies.....	508	7.5	6.6	3.2	2.6	4.2	3.9	45.4	36.5
Miscellaneous durable goods.....	509	11.6	11.2	5.9	5.3	5.6	5.8	90.0	85.0

See footnotes at end of table.

Table 4. Continued—Occupational injury incidence rates by industry, 1980 and 1981

Industry 1/	SIC code 2/	Incidence rates per 100 full-time workers 3/							
		Total cases 4/		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
		1980	1981	1980	1981	1980	1981	1980	1981
Wholesale trade--nondurable goods.....	51	8.6	8.2	4.4	4.1	4.2	4.1	67.3	64.1
Paper and paper products.....	511	8.1	6.1	3.9	2.8	4.2	3.2	57.8	34.1
Drugs, proprietaries, and sundries.....	512	-	6.8	-	2.8	-	4.0	-	46.0
Groceries and related products.....	514	13.0	12.3	6.9	6.6	6.1	5.6	104.5	99.2
Farm-product raw materials.....	515	8.5	6.4	4.0	3.0	4.5	3.3	54.8	57.6
Petroleum and petroleum products.....	517	5.0	5.5	2.5	2.7	2.5	2.8	42.3	53.1
Beer, wine, and distilled beverages.....	518	12.1	12.8	6.7	6.9	5.4	5.9	102.5	111.8
Miscellaneous nondurable goods.....	519	6.3	5.8	2.8	2.6	3.4	3.2	51.8	36.1
Retail trade.....		7.0	7.0	2.9	2.9	4.1	4.1	44.1	40.8
Building materials and garden supplies.....	52	8.4	8.2	3.7	3.7	4.7	4.5	60.7	54.9
Lumber and other building materials.....	521	10.2	10.5	4.6	5.0	5.6	5.5	74.0	73.0
Paint, glass, and wallpaper stores.....	523	-	7.0	-	2.4	-	4.6	-	35.8
Hardware stores.....	525	5.5	4.5	2.1	1.8	3.4	2.7	25.8	28.4
General merchandise stores.....	53	9.2	8.9	4.0	3.8	5.2	5.1	52.1	51.3
Department stores.....	531	9.7	9.4	4.2	4.0	5.5	5.4	57.2	54.4
Variety stores.....	533	8.0	7.7	3.1	3.5	4.8	4.2	31.5	43.8
Miscellaneous general merchandise stores..	539	-	5.2	-	1.4	-	3.8	-	20.7
Food stores.....	54	10.5	10.4	4.7	4.4	5.8	6.0	75.8	67.2
Grocery stores.....	541	11.4	11.2	5.0	4.8	6.4	6.4	79.4	73.1
Miscellaneous food stores.....	549	-	3.1	-	1.1	-	2.0	-	17.5
Automotive dealers and service stations.....	55	7.2	6.7	2.6	2.5	4.6	4.2	40.2	40.3
New and used car dealers.....	551	9.0	8.4	2.7	2.6	6.3	5.8	39.1	36.6
Auto and home supply stores.....	553	8.2	8.5	3.8	4.4	4.4	4.1	58.7	77.7
Gasoline service stations.....	554	4.2	3.6	1.8	1.4	2.3	2.1	30.3	26.1
Apparel and accessory stores.....	56	2.2	2.2	.9	1.0	1.3	1.2	13.4	24.1
Women's ready-to-wear stores.....	562	2.3	2.5	.9	1.1	1.4	1.4	15.6	19.4
Family clothing stores.....	565	3.8	3.6	1.5	1.5	2.3	2.0	23.7	14.5
Furniture and home furnishings stores.....	57	4.6	4.2	2.2	2.1	2.4	2.1	47.8	38.6
Furniture and home furnishings stores.....	571	5.4	4.8	2.4	2.5	3.0	2.3	42.7	40.0
Radio, television, and music stores.....	573	2.4	2.8	1.0	1.3	1.3	1.5	18.3	25.1
Eating and drinking places.....	58	6.8	7.2	2.6	2.7	4.2	4.5	29.8	30.4
Miscellaneous retail.....	59	3.5	3.5	1.6	1.5	1.8	1.9	37.8	23.0
Drug and proprietary stores.....	591	3.1	3.0	1.2	1.2	1.9	1.8	14.1	20.0
Nonstore retailers.....	596	6.7	7.5	3.4	3.5	3.3	3.9	49.3	38.9
Fuel and ice dealers.....	598	8.6	6.7	4.8	3.3	3.7	3.4	81.4	74.2
Finance, insurance, and real estate.....		1.9	1.9	.8	.8	1.1	1.1	11.6	11.3
Banking.....	60	1.5	1.6	.6	.6	.9	1.0	7.8	7.2
Commercial and stock savings banks.....	602	1.5	1.6	.6	.6	.9	1.0	7.4	7.0
Functions closely related to banking.....	605	-	1.3	-	.5	-	.8	-	6.6
Credit agencies other than banks.....	61	1.0	1.3	.5	.6	.5	.7	5.6	5.7
Savings and loan associations.....	612	1.5	1.9	.6	.8	.9	1.1	6.7	8.4
Mortgage bankers and brokers.....	616	-	.9	-	.5	-	-	-	3.7
Security, commodity brokers, and services...	62	.8	1.0	.3	.3	.5	.7	3.1	4.0
Security brokers and dealers.....	621	.6	.9	.2	.3	.4	.6	2.6	3.3
Security and commodity exchanges.....	623	-	8.9	-	1.6	-	7.3	-	30.1
Insurance carriers.....	63	1.9	1.7	.7	.7	1.1	1.0	10.5	11.5
Life insurance.....	631	1.5	1.4	.7	.7	.8	.7	13.0	13.7
Medical service and health insurance.....	632	2.5	2.3	.9	.9	1.5	1.4	10.3	11.0
Fire, marine, and casualty insurance.....	633	2.2	2.1	.8	.8	1.4	1.2	7.3	10.1
Insurance agents, brokers, and service.....	64	.8	.8	.3	.3	.5	.5	3.9	-
Real estate.....	65	4.3	3.9	2.1	1.8	2.2	2.0	31.1	27.8
Real estate operators and lessors.....	651	4.8	4.1	2.5	1.9	2.3	2.2	36.0	27.0
Real estate agents and managers.....	653	-	2.6	-	1.3	-	1.3	-	21.2
Subdividers and developers.....	655	8.5	7.3	3.7	3.5	4.8	3.8	57.2	54.2
Combined real estate, insurance, etc.....	66	-	.6	-	.2	-	.3	-	-
Holding and other investment offices.....	67	1.6	1.8	.6	.8	1.0	1.0	7.3	9.0
Holding offices.....	671	-	2.5	-	1.2	-	1.3	-	11.6
Services.....		5.1	4.8	2.3	2.3	2.8	2.5	34.5	34.7
Hotels and other lodging places.....	70	8.8	8.7	3.7	3.6	5.1	5.1	50.3	52.0
Hotels, motels, and tourist courts.....	701	8.9	8.9	3.7	3.7	5.2	5.2	51.3	53.6
Personal services.....	72	2.8	2.7	1.3	1.3	1.5	1.4	22.3	21.9
Laundry, cleaning, and garment services...	721	5.7	5.3	2.5	2.5	3.1	2.8	42.6	40.1
Business services.....	73	4.3	4.4	2.0	2.2	2.2	2.2	30.8	31.7
Services to buildings.....	734	5.8	6.3	2.8	3.1	3.0	3.2	38.1	51.8
Personnel supply services.....	736	7.0	8.1	3.5	3.9	3.5	4.2	49.2	54.0
Miscellaneous business services.....	739	4.0	4.0	1.8	2.1	2.1	1.9	31.2	28.4

See footnotes at end of table.

Table 4. Continued—Occupational injury incidence rates by industry, 1980 and 1981

Industry 1/	SIC code 2/	Incidence rates per 100 full-time workers 3/							
		Total cases 4/		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
		1980	1981	1980	1981	1980	1981	1980	1981
Auto repair, services, and garages.....	75	7.5	7.5	3.3	3.2	4.2	4.3	47.7	50.6
Automotive rentals, without drivers.....	751	8.7	8.9	4.1	3.9	4.6	5.0	58.8	56.6
Automotive repair shops.....	753	7.7	7.7	3.2	3.2	4.4	4.5	45.3	51.6
Miscellaneous repair services.....	76	8.6	8.6	4.1	4.1	4.5	4.5	62.7	77.3
Electrical repair shops.....	762	6.1	6.2	3.0	3.1	3.1	3.1	42.6	58.7
Miscellaneous repair shops.....	769	10.9	10.8	5.1	5.1	5.8	5.7	80.0	94.7
Motion pictures.....	78	4.5	3.9	1.6	1.4	2.9	2.5	30.5	21.3
Motion picture production and services....	781	5.5	5.3	2.0	2.0	3.5	3.2	28.4	31.9
Amusement and recreation services.....	79	9.1	7.3	3.7	3.2	5.4	4.1	53.5	48.2
Producers, orchestras, entertainers.....	792	-	3.9	-	1.6	-	2.2	-	23.3
Bowling and billiard establishments.....	793	3.2	3.8	1.3	1.4	1.9	2.3	18.2	20.8
Miscellaneous amusement, recreational services.....	799	8.2	7.5	3.5	3.0	4.7	4.5	44.1	42.6
Health services.....	80	6.2	5.9	3.0	3.1	3.2	2.8	46.2	46.3
Offices of physicians.....	801	-	.6	-	.2	-	.4	-	3.6
Nursing and personal care facilities.....	805	10.6	10.4	5.5	5.6	5.1	4.8	85.1	90.1
Hospitals.....	806	7.6	6.9	3.5	3.6	4.1	3.3	54.6	52.8
Outpatient care facilities.....	808	-	2.5	-	1.1	-	1.4	-	19.9
Health and allied services, n.e.c.....	809	-	5.6	-	2.6	-	3.0	-	45.7
Legal services.....	81	.4	.4	.2	.2	.2	.2	-	3.0
Elementary services.....	82	3.3	3.7	1.4	1.5	1.9	3.2	18.4	17.7
Elementary and secondary schools.....	821	-	2.9	-	1.3	-	1.6	-	11.6
Colleges and universities.....	822	3.9	4.3	1.6	1.7	2.2	2.6	22.6	21.5
Social services.....	83	5.0	5.2	2.1	2.3	2.9	2.9	31.9	35.5
Individual and family services.....	832	3.6	4.4	1.6	2.4	2.0	2.0	26.7	49.0
Job training and related services.....	833	7.5	8.1	3.3	3.3	4.2	4.8	38.8	34.5
Residential care.....	836	8.1	7.8	3.3	3.5	4.8	4.3	44.6	62.4
Social services, n.e.c.....	839	4.4	3.9	2.1	1.7	2.3	2.2	36.4	23.4
Museums, botanical, zoological gardens.....	84	7.4	7.1	3.3	3.1	4.1	4.0	35.0	40.0
Museums and art galleries.....	841	5.2	5.2	2.3	2.2	2.8	3.0	27.2	29.3
Botanical and zoological gardens.....	842	16.9	15.1	7.7	6.8	9.2	8.3	67.9	85.4
Membership organizations.....	86	3.2	2.2	.9	.9	2.3	1.3	15.9	17.1
Civic and social associations.....	864	4.2	3.3	1.8	1.4	2.4	1.9	35.2	20.3
Miscellaneous services.....	89	1.5	1.5	.7	.6	.8	.9	10.6	8.4
Engineering and architectural services....	891	1.9	1.9	.8	.8	1.1	1.1	14.0	10.6
Noncommercial research organizations.....	892	2.2	2.6	1.0	1.0	1.2	1.6	13.9	14.2
Accounting, auditing, and bookkeeping.....	893	.6	.5	.2	.2	.2	.3	4.0	2.3

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

² Standard Industrial Classification Manual, 1972 Edition, 1977 Supplement.

³ Incidence rates represent the number of injuries or lost workdays per 100 full-time workers and were calculated as: (N/EH) X 200,000, where

N = number of injuries or lost workdays

EH = total hours worked by all employees during calendar year

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

sum of the rates for lost workday cases and nonfatal cases without lost workdays does not reflect the fatality rate.

⁴ Excludes farms with fewer than 11 employees.

⁵ Data conforming to OSHA definitions for coal and lignite mining (SIC 11 and 12) and metal and nonmetal mining (SIC 10 and 14), and for railroad transportation (SIC 40) were provided by the Mine Safety and Health Administration, Department of Labor, and by the Federal Railroad Administration, Department of Transportation. Data for some independent contractors who perform services or construction on mining sites are also included.

n.e.c. = not elsewhere classified.

⁶ Includes fatalities. Because of rounding, the difference between the total and the

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

Table 5. Occupational injury incidence rates by industry division and employment size, 1980 and 1981

Industry division	Incidence rates per 100 full-time workers ^{1/}							
	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 ^{2/} :								
1980.....	3.6	8.3	10.9	12.1	11.7	9.9	8.0	6.5
1981.....	3.5	7.7	10.9	11.6	10.9	9.3	7.5	6.0
Agriculture, forestry, and fishing ^{2/} :								
1980.....	5.4	10.0	13.6	15.7	16.6	14.5	26.3	24.2
1981.....	6.3	10.5	13.8	15.6	16.1	14.6	29.9	17.7
Mining ^{3/} :								
1980.....	5.7	12.3	13.8	13.5	11.7	10.4	6.7	1.5
1981.....	6.9	11.4	14.7	14.4	12.1	10.8	6.3	3.7
Construction:								
1980.....	9.0	17.1	21.7	21.9	20.6	18.3	11.9	9.0
1981.....	8.8	16.6	21.0	21.2	18.2	16.0	13.8	7.8
Manufacturing:								
1980.....	7.8	13.9	16.6	16.2	14.1	11.1	8.2	5.8
1981.....	7.6	13.0	15.9	15.4	13.1	10.4	7.6	5.4
Transportation and public utilities:								
1980.....	5.5	10.2	11.9	8.9	9.7	9.6	9.0	9.3
1981.....	5.2	10.2	11.9	9.0	8.9	8.9	8.0	9.1
Wholesale and retail trade:								
1980.....	3.1	6.9	9.6	11.3	11.4	11.3	12.4	11.7
1981.....	2.9	6.6	9.5	11.4	11.5	11.5	11.7	10.3
Wholesale trade:								
1980.....	4.0	8.2	11.7	11.5	11.5	10.5	6.7	-
1981.....	3.8	7.6	10.9	11.5	10.5	10.0	6.9	-
Retail trade:								
1980.....	2.8	6.2	8.6	11.2	11.4	11.5	13.6	11.8
1981.....	2.5	6.1	8.9	11.3	11.9	12.0	13.0	10.4
Finance, insurance, and real estate:								
1980.....	1.0	1.5	1.9	2.7	2.8	2.9	2.3	2.1
1981.....	1.2	1.4	2.0	2.5	2.7	2.6	2.2	2.1
Services:								
1980.....	1.4	3.8	5.4	7.9	8.0	7.5	7.0	6.1
1981.....	1.5	3.0	6.1	7.3	7.6	6.8	6.8	5.2

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

N = number of injuries

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

² Excludes farms with fewer than 11 employees.

³ Data for some independent contractors who perform services or construction on mining sites are also included.

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

Table 6. Occupational injury incidence rates for lost workday cases by industry, 1980 and 1981

Industry 1/	SIC code 2/	Incidence rates per 100 full-time workers 3/											
		Lost workday injuries						Lost workdays					
		Total lost workday cases		Cases involving days away from work 4/		Cases involving days of restricted work activity only		Total lost workdays		Number of days away from work		Number of days of restricted work activity 5/	
		1980	1981	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981
Private sector 6/.....		3.9	3.7	3.6	3.4	0.3	0.3	63.7	60.4	58.7	55.4	5.0	5.0
Agriculture, forestry, and fishing 6/.....		5.6	5.8	5.4	5.5	.2	.2	81.3	81.4	76.3	76.0	5.0	5.4
Agricultural production 6/.....	01-02	6.1	6.3	5.9	6.1	.2	.2	84.6	86.1	80.0	80.8	4.6	5.3
Agricultural services.....	07	5.1	5.2	4.9	5.0	.2	.2	76.9	76.2	71.4	70.3	5.5	5.8
Forestry.....	08	4.6	4.9	4.1	4.5	.5	.4	82.5	75.5	76.7	70.3	5.8	5.2
Fishing, hunting, and trapping.....	09	2.2	2.5	2.2	2.3	(8)	.2	63.5	54.4	60.6	53.1	2.9	1.3
Mining.....		6.4	6.2	6.2	5.9	.2	.3	162.8	145.7	156.5	140.0	6.3	5.7
Metal mining 1/.....	10	5.4	4.8	4.2	3.8	1.2	1.0	127.7	119.4	111.9	106.7	15.8	12.7
Anthracite mining 1/.....	11	8.4	8.8	8.2	8.8	.2	(8)	274.8	408.6	268.8	408.0	6.0	.6
Bituminous coal and lignite mining 1/....	12	8.2	7.3	8.0	7.2	.2	.1	251.5	225.0	247.6	221.8	3.9	3.2
Oil and gas extraction.....	13	6.6	6.6	6.5	6.3	.1	.2	152.0	138.8	146.4	133.4	5.6	5.4
Nonmetallic minerals, except fuels 1/....	14	3.6	3.0	3.2	2.7	.4	.3	87.7	72.0	80.3	65.3	7.4	6.7
Construction.....		6.5	6.3	6.2	6.0	.2	.2	116.1	112.1	110.4	106.4	5.7	5.7
General building contractors.....	15	6.4	6.1	6.2	5.9	.2	.2	112.1	106.6	107.5	101.0	4.6	5.6
Heavy construction contractors.....	16	6.2	5.9	6.0	5.6	.2	.3	116.8	105.2	112.0	99.7	4.7	5.5
Special trade contractors.....	17	6.6	6.5	6.4	6.2	.2	.3	117.9	118.0	111.2	112.2	6.7	5.8
Manufacturing.....		5.2	4.9	4.7	4.4	.5	.5	84.0	79.4	75.5	70.9	8.5	8.5
Durable goods.....		5.5	5.2	4.9	4.5	.6	.6	87.9	82.3	78.2	72.9	9.7	9.4
Lumber and wood products.....	24	9.4	8.9	9.0	8.5	.4	.4	170.0	156.9	162.2	149.5	7.8	7.3
Furniture and fixtures.....	25	6.4	6.0	5.9	5.5	.5	.5	94.6	89.4	86.9	81.4	7.7	8.0
Stone, clay, and glass products.....	32	7.0	6.8	6.4	6.1	.6	.6	125.8	120.0	116.3	110.1	9.5	9.9
Primary metal industries.....	33	6.9	6.6	5.9	5.7	1.0	.9	124.5	118.9	109.4	105.7	15.1	13.1
Fabricated metal products.....	34	7.8	7.3	7.1	6.6	.7	.7	115.8	106.9	106.1	96.8	9.7	10.1
Machinery, except electrical.....	35	5.4	5.0	4.7	4.3	.7	.7	78.7	72.6	69.2	63.1	9.5	9.5
Electric and electronic equipment.....	36	3.1	2.9	2.6	2.4	.5	.5	47.7	44.7	39.2	37.3	8.5	7.4
Transportation equipment.....	37	4.7	4.5	4.0	3.8	.7	.7	79.9	76.1	68.1	65.0	11.8	11.1
Instruments and related products.....	38	2.6	2.5	2.3	2.2	.3	.3	38.5	36.3	32.8	30.3	5.7	5.9
Miscellaneous manufacturing industries..	39	4.2	4.2	3.9	3.8	.3	.4	64.3	64.4	59.1	58.0	5.2	6.4
Nondurable goods.....		4.8	4.6	4.4	4.2	.4	.4	78.1	75.0	71.4	67.8	6.7	7.2
Food and kindred products.....	20	8.7	8.2	8.2	7.7	.5	.5	131.8	125.3	123.7	117.5	8.1	7.8
Tobacco manufactures.....	21	3.7	3.8	3.1	3.4	.6	.4	45.3	55.9	38.0	50.1	7.3	5.8
Textile mill products.....	22	3.2	3.2	2.8	2.7	.4	.4	61.8	58.4	55.3	51.7	6.5	6.7
Apparel and other textile products.....	23	2.2	2.1	2.1	2.0	.1	.1	33.9	33.9	32.3	31.9	1.6	2.0
Paper and allied products.....	26	5.7	5.3	5.2	4.7	.5	.6	110.6	102.3	102.4	93.5	8.2	8.8
Printing and publishing.....	27	3.0	3.0	2.9	2.8	.1	.2	45.7	46.5	43.2	43.0	2.5	3.5
Chemicals and allied products.....	28	3.0	2.9	2.4	2.3	.6	.6	48.7	46.6	38.9	36.7	9.7	9.9
Petroleum and coal products.....	29	3.5	2.9	2.7	2.2	.8	.7	58.1	50.4	47.9	41.1	10.2	9.3
Rubber and miscellaneous plastics products.....	30	7.2	7.0	6.4	6.2	.8	.8	115.1	113.8	103.2	99.3	11.9	14.5
Leather and leather products.....	31	4.7	4.8	4.6	4.6	.1	.2	77.8	75.2	74.0	71.1	3.8	4.1
Transportation and public utilities.....		5.4	5.2	5.0	4.7	.4	.5	103.3	100.0	95.1	91.3	8.2	8.7
Railroad transportation 1/.....	40	7.0	6.2	6.1	4.9	.9	1.3	106.1	94.9	95.7	80.8	10.4	14.1
Local and interurban passenger transit..	41	5.2	5.0	5.0	4.8	.2	.2	91.5	100.7	88.1	97.7	3.4	3.0
Trucking and warehousing.....	42	8.9	8.8	8.8	8.7	.1	.1	185.8	183.4	182.7	180.0	3.1	3.4
Water transportation.....	44	8.3	7.1	8.2	7.0	.1	.1	297.7	269.1	293.1	259.9	4.6	9.2
Transportation by air.....	45	8.0	8.1	7.5	7.6	.5	.5	103.6	102.2	97.1	95.3	6.5	6.8
Pipelines, except natural gas.....	46	1.7	1.4	1.6	1.4	—	(8)	30.4	28.8	28.1	26.3	—	2.5
Transportation services.....	47	2.5	2.2	2.4	2.1	.1	.1	39.8	41.6	38.5	39.3	1.3	2.2
Communication.....	48	1.6	1.5	1.2	1.2	.4	.3	28.1	26.3	19.0	17.0	9.1	9.3
Electric, gas, and sanitary services....	49	4.3	4.2	3.2	3.1	1.1	1.1	70.1	69.3	52.3	53.0	17.8	16.3
Wholesale and retail trade.....		3.2	3.1	3.0	2.9	.2	.1	48.1	44.6	44.7	41.7	3.4	2.9
Wholesale trade.....		3.8	3.5	3.6	3.3	.2	.2	57.1	53.5	52.2	49.4	4.9	4.0
Wholesale trade--durable goods.....	50	3.5	3.1	3.3	2.9	.2	.2	50.3	46.3	45.4	41.9	4.8	4.4
Wholesale trade--nondurable goods.....	51	4.4	4.1	4.1	3.9	.2	.2	67.3	64.1	62.4	60.7	4.9	3.4
Retail trade.....		2.9	2.9	2.8	2.8	.1	.1	44.1	40.8	41.4	38.3	2.7	2.5
Building materials and garden supplies..	52	3.7	3.7	3.4	3.6	.2	.1	60.7	54.9	54.6	50.7	6.1	4.2
General merchandise stores.....	53	4.0	3.8	3.7	3.6	.2	.2	52.1	51.3	47.7	46.6	4.4	4.7
Food stores.....	54	4.7	4.4	4.6	4.4	(8)	.1	75.8	67.2	73.9	65.3	1.9	1.9
Automotive dealers and service stations.	55	2.6	2.5	2.5	2.4	.1	.1	40.2	40.3	36.8	38.1	3.4	2.2
Apparel and accessory stores.....	56	.9	1.0	.8	.9	.1	(8)	13.4	24.1	12.2	23.5	1.2	—
Furniture and home furnishings stores...	57	2.2	2.1	2.1	2.0	.1	.1	47.8	38.6	43.9	34.4	3.9	4.2
Eating and drinking places.....	58	2.6	2.7	2.5	2.6	.1	.1	29.8	30.4	28.0	28.4	1.8	2.0
Miscellaneous retail.....	59	1.6	1.5	1.6	1.4	(8)	.1	37.8	23.0	35.8	21.4	2.0	1.6

See footnotes at end of table.

Table 6. Continued—Occupational injury incidence rates for lost workday cases by industry, 1980 and 1981

Industry 1/	SIC code 2/	Incidence rates per 100 full-time workers 3/											
		Lost workday injuries						Lost workdays					
		Total lost workday cases		Cases involving days away from work 4/		Cases involving days of restricted work activity only		Total lost workdays		Number of days away from work		Number of days of restricted work activity 5/	
		1980	1981	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981
Finance, insurance, and real estate.....		0.8	0.8	0.8	0.8	(8)	(8)	11.6	11.3	10.7	10.2	0.9	1.1
Banking.....	60	.6	.6	.6	.6	(8)	(8)	7.8	7.2	7.0	6.3	.8	.9
Credit agencies other than banks.....	61	.5	.6	.4	.5	(8)	(8)	5.6	5.7	5.0	5.4	.6	.3
Security, commodity brokers, and services.....	62	.3	.3	.3	.3	(8)	(8)	3.1	4.0	3.0	3.8	.1	.2
Insurance carriers.....	63	.7	.7	.7	.7	(8)	(8)	10.5	11.5	9.8	10.5	.6	1.0
Insurance agents, brokers, and service..	64	.3	.3	.2	.3	(8)	-	3.9	-	3.3	-	.6	-
Real estate.....	65	2.1	1.8	2.0	1.7	.1	.1	31.1	27.8	28.6	24.6	2.5	-
Combined real estate, insurance, etc....	66	-	.2	-	.2	-	-	-	-	-	-	-	-
Holding and other investment offices....	67	.6	.8	.6	.6	-	.2	7.3	9.0	6.6	7.6	-	1.4
Services.....		2.3	2.3	2.2	2.2	.1	.1	34.5	34.7	32.4	32.5	2.1	2.2
Hotels and other lodging places.....	70	3.7	3.6	3.6	3.4	.1	.1	50.3	52.0	47.5	49.0	2.8	3.0
Personal services.....	72	1.3	1.3	1.3	1.2	(8)	(8)	22.3	21.9	21.6	20.9	.7	1.0
Business services.....	73	2.0	2.2	2.0	2.1	(8)	.1	30.8	31.7	28.5	29.7	2.3	2.0
Auto repair, services, and garages.....	75	3.3	3.2	3.0	3.0	.3	.2	47.7	50.6	45.3	46.7	2.4	3.9
Miscellaneous repair services.....	76	4.1	4.1	3.8	3.9	.3	.2	62.7	77.3	57.1	70.4	5.6	6.9
Motion pictures.....	78	1.6	1.4	1.5	1.4	-	(8)	30.5	21.3	29.3	20.7	-	.6
Amusement and recreation services.....	79	3.7	3.2	3.3	2.8	.4	.4	53.5	48.2	47.2	41.0	6.3	7.2
Health services.....	80	3.0	3.1	2.9	3.0	.1	.1	46.2	46.3	44.5	44.3	1.7	2.0
Legal services.....	81	.2	.2	.2	.2	(8)	-	-	3.0	-	2.5	-	-
Educational services.....	82	1.4	1.5	1.3	1.4	(8)	.1	18.4	17.7	17.3	15.3	1.0	2.3
Social services.....	83	2.1	2.3	2.0	2.2	.1	.1	31.9	35.5	29.5	32.8	2.4	2.7
Museums, botanical, zoological gardens..	84	3.3	3.1	3.1	2.9	.2	.1	35.0	40.0	32.8	38.3	2.2	1.7
Membership organizations.....	86	.9	.9	.9	.8	-	(8)	15.9	17.1	14.7	16.3	-	.8
Miscellaneous services.....	89	.7	.6	.6	.6	(8)	(8)	10.6	8.4	8.5	7.4	2.1	.9

¹ Totals for divisions include data for industries not shown separately.

² *Standard Industrial Classification Manual*, 1972 Edition, 1977 Supplement.

³ Incidence rates represent the number of lost workday injuries or lost workdays per 100 full-time workers and were calculated as: (N/EH) X 200,000, where

N = number of lost workday injuries or lost workdays

EH = total hours worked by all employees during calendar year

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

⁵ The number of days of restricted work activity includes those resulting from cases involving restricted work activity only and days resulting from cases involving days away from work and days of restricted work activity.

⁶ Excludes farms with fewer than 11 employees.

⁷ Data conforming to OSHA definitions for coal and lignite mining (SIC 11 and 12) and metal and nonmetal mining (SIC 10 and 14), and for railroad transportation (SIC 40) were provided by the Mine Safety and Health Administration, Department of Labor, and by the Federal Railroad Administration, Department of Transportation. Data for some independent contractors who perform services or construction on mining sites are also included.

⁸ Incidence rates less than 0.05.

⁴ Also includes cases which involved both days away from work and days of restricted work activity.

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

Table 7. Number of occupational illnesses by industry division and category of illness, 1981

(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 ¹ /.....	126.1	51.2	2.1	10.7	5.5	11.9	23.0	21.6
Agriculture, forestry, and fishing ¹ /..	4.0	2.6	(2)	.1	.3	.2	.1	.7
Mining.....	1.8	.5	.3	.1	.1	.5	.2	.1
Construction.....	7.9	3.1	.2	1.0	.4	1.3	.3	1.5
Manufacturing.....	69.6	28.5	1.5	5.9	2.0	6.3	20.0	5.4
Transportation and public utilities...	7.1	3.1	(2)	.8	.4	.9	.6	1.2
Wholesale and retail trade.....	12.5	4.3	(2)	1.1	.5	1.0	.7	4.9
Wholesale trade.....	5.4	1.8	(2)	.6	.3	.5	.3	1.8
Retail trade.....	7.1	2.5	(2)	.5	.2	.5	.3	3.1
Finance, insurance, and real estate...	1.6	.6	(2)	.1	(2)	.1	.1	.6
Services.....	21.6	8.3	.1	1.6	1.8	1.6	1.0	7.1

¹ Excludes farms with fewer than 11 employees.

² Fewer than 50 cases.

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

Table 8. Occupational injury and illness fatalities and employment for employers with 11 employees or more by industry division, 1980 and 1981

Industry division	Annual average employment ¹ /				Fatalities			
	1980		1981		1980		1981	
	Number (thousands)	Percent	Number (thousands)	Percent	Number	Percent	Number	Percent
Private sector.....	62,263	100	62,981	100	4,400	100	4,370	100
Agriculture, forestry, and fishing..	806	1	845	1	140	3	130	3
Mining.....	949	2	1,047	2	460	10	500	11
Construction.....	3,103	5	2,982	5	830	19	800	18
Manufacturing.....	19,616	32	19,507	31	1,080	25	990	23
Transportation and public utilities.	4,667	7	4,677	7	810	18	750	17
Wholesale and retail trade.....	15,293	24	15,475	24	580	13	730	17
Finance, insurance, and real estate.	4,071	7	4,183	7	150	3	120	3
Services.....	13,758	22	14,265	23	350	8	350	8

¹ Annual average employment for nonagricultural industries is based on the employment and earnings survey conducted by BLS, in cooperation with State agencies. The employment estimate for the services division is adjusted to exclude the nonfarm portion of agricultural services and nonclassifiable establishments. Employment estimates have been adjusted based on *County Business Patterns* to exclude establishments with fewer than 11 employees. Annual average employment for the agriculture, forestry, and fishing

division is a composite of data from State unemployment insurance programs and an average of quarterly estimates of hired farm workers engaged in agricultural production from the Department of Agriculture. The estimate is adjusted to exclude employment on farms with fewer than 11 employees.

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

Table 9. Distribution by industry division: Causes of fatalities resulting from occupational injury and illness in units with 11 employees or more, private sector, 1980 and 1981¹

(In percent)

Cause ² /	Total ³ /	Agriculture, forestry, and fishing	Mining-- oil and gas extraction only	Construction	Manufacturing	Transportation and public utilities ⁴ /	Wholesale and retail trade	Finance, insurance, and real estate	Services
Total--all causes.....	100	100	100	100	100	100	100	100	100
Over-the-road motor vehicles..	30	23	29	15	21	55	33	49	37
Falls.....	11	5	9	29	10	5	4	3	9
Heart attacks.....	11	14	4	7	10	9	16	24	15
Industrial vehicles or equipment.....	10	25	29	16	10	4	2	(5)	8
Struck by objects other than vehicles or equipment.....	7	1	5	8	8	3	12	0	1
Electrocutions.....	6	12	6	10	6	9	2	0	3
Gun shots.....	4	4	0	(5)	2	2	16	(5)	5
Aircraft crashes.....	3	4	9	2	2	3	1	5	4
Caught in, under, or between objects other than vehicles or equipment.....	3	1	1	4	3	(5)	6	16	1
Fires.....	3	3	3	1	6	3	1	2	2
Plant machinery operations....	3	1	(5)	(5)	10	(5)	1	0	1
Explosions.....	2	1	1	3	4	2	1	0	(5)
Gas inhalations.....	2	1	(5)	1	4	1	1	0	1
All other.....	4	5	4	3	4	4	3	(5)	12

¹ It is impossible to estimate year-to-year changes precisely because at the industry division level sampling errors are large. Therefore, the results are for both years rather than a comparison between them.

² Cause is defined as the object or event associated with the fatality.

³ Excludes coal, metal and nonmetal mining, and railroads, for which data are not available.

⁴ Excludes railroads.

⁵ Less than 1 percent.

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

Table 10. Distribution by cause: fatalities resulting from occupational injury and illness in units with 11 employees or more, private sector, by industry division, 1980 and 1981¹

(In percent)

Cause ² /	Total ³ /	Agriculture, forestry, and fishing	Mining-- oil and gas extraction only	Construction	Manufacturing	Transportation and public utilities ⁴ /	Wholesale and retail trade	Finance, insurance, and real estate	Services
Over-the-road motor vehicles..	100	3	6	10	18	32	17	5	10
Falls.....	100	2	5	50	24	7	5	1	7
Heart attacks.....	100	5	2	13	25	14	23	7	11
Industrial vehicles or equipment.....	100	9	17	31	26	6	4	(5)	7
Struck by objects other than vehicles or equipment.....	100	1	5	24	33	8	28	0	1
Electrocutions.....	100	7	6	31	24	25	5	0	3
Gun shots.....	100	4	0	(5)	11	10	63	(5)	11
Aircraft crashes.....	100	5	20	11	23	20	6	5	11
Caught in, under, or between objects other than vehicles or equipment.....	100	2	2	24	24	4	26	15	4
Fires.....	100	4	6	6	56	14	6	2	5
Plant machinery operations....	100	2	1	3	83	2	6	0	3
Explosions.....	100	2	2	27	46	15	7	0	2
Gas inhalation.....	100	3	1	15	57	10	10	0	4
All other.....	100	4	6	12	27	15	12	(5)	24

¹ It is impossible to estimate year-to-year changes precisely because at the industry division level sampling errors are large. Therefore, the results are for both years rather than a comparison between them.

² Cause is defined as the object or event associated with the fatality.

³ Excludes coal, metal and nonmetal mining, and railroads, for which data are not available.

⁴ Excludes railroads.

⁵ Less than 1 percent.

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

Appendix A. Scope of Survey and Technical Notes

Scope of survey

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 collecting and compiling 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 1981 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 data must meet the needs of participating State agencies, an independent sample is selected to represent all private industries in each State and territory. The sample size for the survey depends upon (1) Characteristics for which estimates are needed, (2) industries for which estimates are desired, (3) characteristics of the population being sampled, (4) the target reliability of the estimates, and (5) the survey design employed.

Of the 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, importantly, the least variable;

therefore, it requires the smallest sample size.

The salient features of the sample design are its use of stratified random sampling with a Neyman allocation and a ratio estimator. 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 larger employment size classes, the allocation procedure places all establishments of the frame in the sample; as employment decreases, smaller and smaller proportions of establishments are included in the sample. Certainty strata are usually 100 employees or more. The precision of the sample is further improved to permit a reduction in sample size by using the ratio estimator, which uses available auxiliary information (employment) correlated with characteristics 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; and services; and the 4-digit level in manufacturing.

Estimating procedures

Weighting. By a weighting procedure, units in the sample are made to represent all units in their size class for a particular industry. The inverse of the sampling ratio for the industry/employment-size class from which the unit was selected determines the weight. Weights of responding employers in a sampling cell are adjusted for the small proportion of survey forms not returned. 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, data are adjusted 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 separate estimates at the cell level. Because national estimates require industry/employment size data, benchmark factors are calculated from both industry level employment data and size class level employment data. 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 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 different samples of the same size and design could differ. Relative standard errors, which measure the sampling error, are calculated as part of the survey's estimation process.

When applied to the estimates, the sampling error defines 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 15.1 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 15.4 and 14.8, and the chances are 19 out of 20 that the rate from a complete count would be between 15.7 and 14.5. Similarly, the number of occupational injuries and illnesses estimated for SIC 15 was 136,200 with a relative error of 2 percent. Thus, the chances are 2 out of 3 that a census would show a number between 138,900 and 133,500 and 19 out of 20 that the number would be within the range of 141,600 and 130,800.

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 nonsampling errors in the estimates, the completed forms are edited and apparent inconsistencies are checked.

Publication guidelines

The 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. Annual average employment for the industry in 1981 was less than 10,000. However, estimates for an industry with an annual average employment of less than 10,000 were published if the majority of the employment was reported in the survey.

3. The relative standard error on lost workday cases for the industry at 1 standard error was more than 15 percent in manufacturing and 20 percent in non-manufacturing.

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 in publishable industries were not given 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, 1981

Industry	SIC code 1/	Relative standard error (percent) 2/							
		Injuries and illnesses				Injuries			
		Total cases	Lost workday cases	Nonfatal cases without lost workdays	Lost workdays	Total cases	Lost workday cases	Nonfatal cases without lost workdays	Lost workdays
Private sector.....		(3)	1	1	1	(3)	1	1	1
Agriculture, forestry, and fishing.....		2	2	2	4	2	2	2	4
Agricultural production.....	01-02	3	3	3	4	3	3	3	4
Agricultural services.....	07	3	4	4	6	3	4	4	7
Forestry.....	08	9	10	12	14	9	10	13	14
Fishing, hunting, and trapping.....	09	13	14	18	18	13	14	18	19
Mining.....		2	2	3	3	2	2	3	3
Oil and gas extraction.....	13	3	3	3	5	3	3	3	5
Crude petroleum and natural gas.....	131	6	8	7	12	6	8	7	11
Natural gas liquids.....	132	17	17	22	32	16	17	22	32
Oil and gas field services.....	138	3	3	4	5	3	3	4	5
Construction.....		1	1	1	2	1	1	1	2
General building contractors.....	15	2	2	2	3	2	2	2	4
Residential building construction.....	152	3	3	3	6	3	3	3	6
Operative builders.....	153	5	6	5	11	5	6	5	11
Nonresidential building construction.....	154	2	3	3	4	2	3	3	4
Heavy construction contractors.....	16	2	2	2	4	2	2	2	4
Highway and street construction.....	161	3	4	4	6	3	4	4	6
Heavy construction, except highway.....	162	2	3	3	5	2	3	3	5
Special trade contractors.....	17	1	1	1	2	1	1	1	3
Plumbing, heating, and air-conditioning...	171	2	3	3	5	2	3	3	5
Painting, paperhanging, and decorating...	172	5	6	6	12	5	6	6	12
Electrical work.....	173	2	3	3	4	2	3	3	4
Masonry, stonework, and plastering.....	174	3	3	4	9	3	3	4	9
Carpentering and flooring.....	175	5	6	7	11	5	6	7	11
Roofing and sheet-metal work.....	176	3	3	4	6	3	3	4	6
Concrete work.....	177	5	6	6	10	5	6	6	10
Water well drilling.....	178	5	6	7	13	6	6	7	13
Miscellaneous special trade contractors...	179	3	3	3	6	3	3	4	6
Manufacturing.....		(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)
Durable goods.....		(3)	(3)	(3)	1	(3)	(3)	(3)	1
Lumber and wood products.....	24	1	1	1	2	1	1	1	2
Logging camps and logging contractors.....	241	2	3	4	5	3	3	4	5
Sawmills and planing mills.....	242	2	2	3	3	2	2	3	3
Sawmills and planing mills, general.....	2421	2	3	3	4	2	3	3	4
Hardwood dimension and flooring.....	2426	3	3	3	4	3	3	3	4
Special product sawmills, n.e.c.....	2429	5	7	6	14	5	7	6	14
Millwork, plywood, and structural members.	243	2	2	2	3	2	2	2	3
Millwork.....	2431	2	3	3	4	2	3	3	4
Wood kitchen cabinets.....	2434	5	5	7	8	5	5	7	8
Hardwood veneer and plywood.....	2435	2	2	3	3	2	2	3	3
Softwood veneer and plywood.....	2436	4	4	5	5	4	4	5	6
Structural wood members, n.e.c.....	2439	6	7	9	14	6	7	9	14
Wood containers.....	244	3	3	3	5	3	3	3	5
Nailed wood boxes and shook.....	2441	5	6	7	8	5	6	7	8
Wood pallets and skids.....	2448	3	4	4	8	3	4	4	8
Wood containers, n.e.c.....	2449	6	6	8	5	6	6	8	5
Wood buildings and mobile homes.....	245	2	2	2	3	2	2	2	3
Mobile homes.....	2451	2	2	2	3	2	2	2	3
Prefabricated wood buildings.....	2452	3	5	4	7	3	5	4	7
Miscellaneous wood products.....	249	2	3	3	5	2	3	3	5
Wood preserving.....	2491	4	6	6	9	4	6	6	9
Particleboard.....	2492	2	2	4	2	2	2	4	2
Wood products, n.e.c.....	2499	3	4	4	7	3	4	4	7

See footnotes at end of table.

Table A-1. Continued—Relative standard errors for measures of occupational injuries and illnesses and occupational injuries by industry, 1981

Industry	SIC code 1/	Relative standard error (percent) 2/							
		Injuries and illnesses				Injuries			
		Total cases	Lost workday cases	Nonfatal cases without lost workdays	Lost workdays	Total cases	Lost workday cases	Nonfatal cases without lost workdays	Lost workdays
Furniture and fixtures.....	25	1	1	1	2	1	1	1	2
Household furniture.....	251	2	2	2	3	2	2	2	3
Wood household furniture.....	2511	3	3	3	4	3	3	3	5
Upholstered household furniture.....	2512	3	4	4	6	3	4	4	6
Metal household furniture.....	2514	3	4	4	13	3	4	4	13
Mattresses and bedsprings.....	2515	4	4	4	7	4	4	4	7
Wood TV and radio cabinets.....	2517	6	5	9	6	7	6	10	8
Household furniture, n.e.c.....	2519	14	10	20	6	14	9	20	6
Office furniture.....	252	2	3	3	3	2	3	3	3
Wood office furniture.....	2521	3	5	4	5	3	5	4	5
Metal office furniture.....	2522	3	3	3	4	3	3	3	4
Public building and related furniture.....	253	3	4	4	10	3	4	4	10
Partitions and fixtures.....	254	3	4	4	5	3	4	4	5
Wood partitions and fixtures.....	2541	4	6	5	8	4	6	5	8
Metal partitions and fixtures.....	2542	4	4	5	6	4	4	5	6
Miscellaneous furniture and fixtures.....	259	5	5	7	7	5	5	7	7
Drapery hardware and blinds and shades..	2591	4	6	5	9	4	6	5	9
Furniture and fixtures, n.e.c.....	2599	9	9	12	10	9	9	12	10
Stone, clay, and glass products.....	32	1	1	1	2	1	1	1	2
Flat glass.....	321	3	4	4	5	3	4	4	5
Glass and glassware, pressed or blown.....	322	2	2	3	3	2	2	3	3
Glass containers.....	3221	2	2	4	3	2	2	4	3
Pressed and blown glass, n.e.c.....	3229	5	5	5	6	5	5	5	7
Products of purchased glass.....	323	5	8	5	9	5	8	6	9
Structural clay products.....	325	2	2	2	3	2	2	2	3
Brick and structural clay tile.....	3251	3	3	4	5	3	4	4	5
Ceramic wall and floor tile.....	3253	3	4	4	5	3	4	4	5
Clay refractories.....	3255	4	4	6	5	4	4	6	5
Structural clay products, n.e.c.....	3259	7	7	8	12	7	7	8	12
Pottery and related products.....	326	5	7	5	7	5	7	5	7
Vitreous china food utensils.....	3262	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)
Fine earthenware food utensils.....	3263	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)
Porcelain electrical supplies.....	3264	3	4	4	3	3	4	4	3
Pottery products, n.e.c.....	3269	7	9	8	17	7	10	8	18
Concrete, gypsum, and plaster products.....	327	2	2	3	4	2	2	3	4
Concrete block and brick.....	3271	4	5	5	8	4	5	5	8
Concrete products, n.e.c.....	3272	2	3	3	4	2	3	3	4
Ready-mix concrete.....	3273	4	4	6	7	4	4	6	7
Lime.....	3274	7	6	18	11	7	6	18	12
Gypsum products.....	3275	5	9	4	5	5	9	4	5
Cut stone and stone products.....	328	4	6	5	19	4	6	5	19
Miscellaneous nonmetallic mineral products.....	329	2	2	3	3	2	2	3	3
Abrasive products.....	3291	5	3	7	6	5	3	8	6
Asbestos products.....	3292	3	3	4	2	3	3	5	3
Gaskets, packing, and sealing devices...	3293	4	4	5	5	4	4	5	5
Minerals, ground or treated.....	3295	9	10	10	15	9	10	11	15
Mineral wool.....	3296	4	6	5	5	4	5	5	5
Nonclay refractories.....	3297	8	4	13	6	8	4	13	6
Nonmetallic mineral products, n.e.c.....	3299	5	9	5	9	5	9	6	9
Primary metal industries.....	33	1	2	2	2	1	2	2	2
Blast furnace and basic steel products...	331	3	4	4	4	4	4	5	4
Blast furnaces and steel mills.....	3312	5	6	6	5	5	6	6	5
Electrometallurgical products.....	3313	1	2	1	2	1	2	1	2
Steel wire and related products.....	3315	4	3	5	4	4	3	5	4
Cold finishing of steel shapes.....	3316	3	4	4	6	3	4	4	6
Steel pipe and tubes.....	3317	3	3	4	4	3	3	4	4
Iron and steel foundries.....	332	2	2	3	2	2	2	3	2
Gray iron foundries.....	3321	3	4	5	4	3	4	5	4
Malleable iron foundries.....	3322	4	5	5	6	5	5	5	6
Steel investment foundries.....	3324	3	4	4	4	3	4	4	4
Steel foundries, n.e.c.....	3325	3	3	5	3	3	3	5	3

See footnotes at end of table.

Table A-1. Continued—Relative standard errors for measures of occupational injuries and illnesses and occupational injuries by industry, 1981

Industry	SIC code 1/	Relative standard error (percent) 2/							
		Injuries and illnesses				Injuries			
		Total cases	Lost workday cases	Nonfatal cases without lost workdays	Lost workdays	Total cases	Lost workday cases	Nonfatal cases without lost workdays	Lost workdays
Primary nonferrous metals.....	333	3	3	6	2	4	3	6	2
Primary copper.....	3331	15	7	22	5	15	7	23	5
Primary lead.....	3332	8	11	4	8	9	12	5	9
Primary zinc.....	3333	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)
Primary aluminum.....	3334	3	4	5	3	3	4	5	3
Primary nonferrous metals, n.e.c.....	3339	2	3	5	7	1	3	3	7
Secondary nonferrous metals.....	334	4	6	5	11	4	5	5	7
Nonferrous rolling and drawing.....	335	2	2	2	4	2	2	2	4
Copper rolling and drawing.....	3351	2	3	3	4	2	3	3	4
Aluminum sheet, plate, and foil.....	3353	4	3	5	5	4	3	5	5
Aluminum extruded products.....	3354	3	4	4	4	3	4	4	4
Aluminum rolling and drawing, n.e.c....	3355	6	3	10	7	6	3	10	7
Nonferrous rolling and drawing, n.e.c....	3356	5	5	7	5	5	5	7	5
Nonferrous wire drawing and insulating..	3357	4	4	5	8	4	4	5	8
Nonferrous foundries.....	336	2	2	3	3	2	2	3	3
Aluminum foundries.....	3361	3	4	4	5	3	4	4	5
Brass, bronze, and copper foundries.....	3362	4	4	5	4	4	4	5	4
Nonferrous foundries, n.e.c.....	3369	5	5	7	8	5	5	8	8
Miscellaneous primary metal products.....	339	3	4	4	6	3	4	4	6
Metal heat treating.....	3398	4	4	5	6	4	4	5	6
Primary metal products, n.e.c.....	3399	6	8	6	10	6	9	6	10
Fabricated metal products.....	34	1	1	1	1	1	1	1	1
Metal cans and shipping containers.....	341	3	3	3	3	3	3	4	3
Metal cans.....	3411	3	4	4	4	3	4	4	4
Metal barrels, drums, and pails.....	3412	3	4	4	4	3	4	4	4
Cutlery, handtools, and hardware.....	342	2	3	2	3	2	3	2	4
Cutlery.....	3421	3	5	3	9	3	5	3	9
Hand and edge tools, n.e.c.....	3423	3	4	4	4	3	3	4	4
Handsaws and saw blades.....	3425	6	4	9	3	6	4	9	3
Hardware, n.e.c.....	3429	3	4	3	6	3	5	3	6
Plumbing and heating, except electric.....	343	4	4	5	5	4	4	5	5
Metal sanitary ware.....	3431	3	3	3	3	3	3	3	3
Plumbing fittings and brass goods.....	3432	4	4	5	5	4	5	5	5
Heating equipment, except electric.....	3433	6	6	9	10	6	6	9	10
Fabricated structural metal products.....	344	1	2	2	2	1	2	2	2
Fabricated structural metal.....	3441	2	3	3	4	2	3	3	4
Metal doors, sash, and trim.....	3442	3	4	4	6	3	4	4	6
Fabricated plate work.....	3443	4	4	4	6	4	4	4	6
Sheet-metal work.....	3444	2	3	3	4	2	3	3	4
Architectural metal work.....	3446	5	5	6	7	5	5	6	7
Prefabricated metal buildings.....	3448	6	8	6	8	6	8	6	8
Miscellaneous metal work.....	3449	4	7	5	10	4	7	6	10
Screw machine products, bolts, etc.....	345	2	2	2	4	2	2	2	4
Screw machine products.....	3451	2	3	3	7	2	3	3	6
Bolts, nuts, rivets, and washers.....	3452	3	3	3	5	3	3	3	5
Metal forgings and stampings.....	346	2	2	2	3	2	2	2	3
Iron and steel forgings.....	3462	2	3	3	3	2	3	3	3
Nonferrous forgings.....	3463	3	4	5	3	3	4	5	4
Automotive stampings.....	3465	5	5	5	7	4	5	5	6
Crowns and closures.....	3466	3	3	4	5	3	3	4	5
Metal stampings, n.e.c.....	3469	3	3	3	4	3	3	3	5
Metal services, n.e.c.....	347	3	3	3	5	2	3	3	5
Plating and polishing.....	3471	3	3	4	6	3	4	4	6
Metal coating and allied services.....	3479	5	6	6	8	4	5	5	8
Ordinance and accessories, n.e.c.....	348	2	2	3	2	2	2	3	2
Small arms ammunition.....	3482	4	3	6	5	4	3	6	5
Ammunition, except for small arms, n.e.c.....	3483	5	5	6	3	5	5	6	3
Small arms.....	3484	2	1	3	2	2	1	3	3
Ordinance and accessories, n.e.c.....	3489	2	3	2	6	2	3	2	6
Miscellaneous fabricated metal products...	349	2	2	3	4	2	2	3	4
Steel springs, except wire.....	3493	4	5	6	6	4	5	6	6
Valves and pipe fittings.....	3494	3	4	4	6	3	4	4	6
Wire springs.....	3495	5	5	7	6	5	5	7	6
Miscellaneous fabricated wire products..	3496	6	7	7	12	6	7	8	12
Metal foil and leaf.....	3497	4	3	5	4	4	3	5	4
Fabricated pipe and fittings.....	3498	5	5	7	8	5	5	7	8
Fabricated metal products, n.e.c.....	3499	4	5	5	8	4	5	5	8

See footnotes at end of table.

Table A-1. Continued—Relative standard errors for measures of occupational injuries and illnesses and occupational injuries by industry, 1981

Industry	SIC code 1/ 2/	Relative standard error (percent) 2/							
		Injuries and illnesses				Injuries			
		Total cases	Lost workday cases	Nonfatal cases without lost workdays	Lost workdays	Total cases	Lost workday cases	Nonfatal cases without lost workdays	Lost workdays
Machinery, except electrical.....	35	1	1	1	1	1	1	1	1
Engines and turbines.....	351	4	5	5	6	4	5	5	6
Turbines and turbine generator sets....	3511	4	8	5	8	4	8	5	8
Internal combustion engines, n.e.c.....	3519	6	6	7	8	5	5	7	8
Farm and garden machinery.....	352	3	4	4	7	3	4	4	7
Farm machinery and equipment.....	3523	4	5	4	7	4	5	4	7
Lawn and garden equipment.....	3524	4	4	5	7	4	4	5	7
Construction and related machinery.....	353	2	2	2	3	2	2	2	3
Construction machinery.....	3531	3	3	4	4	3	3	4	4
Mining machinery.....	3532	3	5	4	4	4	5	4	4
Oil field machinery.....	3533	4	4	5	7	4	4	5	7
Elevators and moving stairways.....	3534	5	7	4	3	5	7	4	3
Conveyors and conveying equipment.....	3535	3	4	4	7	3	4	4	7
Hoists, cranes, and monorails.....	3536	4	3	5	5	4	4	5	5
Industrial trucks and tractors.....	3537	4	5	5	7	4	5	5	7
Metalworking machinery.....	354	2	2	2	3	2	2	2	3
Machine tools, metal cutting types.....	3541	4	6	4	4	4	6	4	4
Machine tools, metal forming types.....	3542	5	6	6	6	5	6	6	6
Special dies, tools, jigs, and fixtures.....	3544	3	4	3	5	3	4	3	5
Machine tool accessories.....	3545	3	6	4	13	3	5	4	14
Power driven handtools.....	3546	3	4	3	5	3	4	3	5
Rolling mill machinery.....	3547	4	6	5	7	4	5	5	7
Metalworking machinery, n.e.c.....	3549	7	9	8	14	7	9	8	14
Special industry machinery.....	355	2	3	2	3	2	3	2	3
Food products machinery.....	3551	3	5	4	5	3	5	4	5
Textile machinery.....	3552	4	6	4	7	4	7	5	7
Woodworking machinery.....	3553	4	4	5	4	4	4	5	5
Paper industries machinery.....	3554	6	7	8	10	6	7	8	10
Printing trades machinery.....	3555	8	11	9	11	8	11	9	11
Special industry machinery, n.e.c.....	3559	3	3	4	5	3	4	4	5
General industrial machinery.....	356	1	1	2	2	1	1	2	2
Pumps and pumping equipment.....	3561	4	4	5	4	4	4	6	4
Ball and roller bearings.....	3562	3	3	4	3	3	3	4	3
Air and gas compressors.....	3563	5	5	6	6	5	5	6	6
Blowers and fans.....	3564	3	4	4	4	3	4	4	4
Industrial patterns.....	3565	5	6	6	10	5	6	6	9
Speed changers, drives, and gears.....	3566	3	4	4	5	4	4	4	6
Industrial furnaces and ovens.....	3567	4	4	5	12	4	4	5	12
Power transmission equipment, n.e.c.....	3568	3	4	4	5	3	4	4	5
General industrial machinery, n.e.c.....	3569	3	3	4	5	3	3	4	5
Office and computing machines.....	357	4	4	4	4	4	4	4	4
Typewriters.....	3572	8	6	13	6	9	6	13	6
Electronic computing equipment.....	3573	5	5	6	6	5	5	6	5
Scales and balances, except laboratory..	3576	4	5	4	4	4	5	4	3
Office machines, n.e.c.....	3579	7	10	6	4	7	10	6	4
Refrigeration and service machinery.....	358	2	3	2	3	2	3	2	3
Automatic merchandising machines.....	3581	3	5	3	5	3	5	3	5
Commercial laundry equipment.....	3582	3	4	4	5	4	4	4	5
Refrigeration and heating equipment.....	3585	3	4	3	4	3	4	3	4
Service industry machinery, n.e.c.....	3589	4	5	4	5	4	5	4	5
Miscellaneous machinery, except electrical.....	359	2	3	3	4	2	3	3	4
Carburetors, pistons, rings, valves....	3592	3	4	3	4	3	4	3	4
Machinery, except electrical, n.e.c.....	3599	3	3	3	5	3	3	3	5
Electric and electronic equipment.....	36	1	1	1	2	1	1	1	2
Electric distributing equipment.....	361	3	3	4	6	3	4	4	6
Transformers.....	3612	4	5	4	5	4	5	4	5
Switchgear and switchboard apparatus....	3613	5	5	5	9	5	5	6	10
Electrical industrial apparatus.....	362	2	3	3	3	2	3	3	3
Motors and generators.....	3621	3	4	5	4	4	4	5	4
Industrial controls.....	3622	5	6	6	5	5	6	6	6
Welding apparatus, electric.....	3623	4	6	4	7	4	6	4	7
Carbon and graphite products.....	3624	6	7	7	10	6	7	7	10
Electrical industrial apparatus, n.e.c....	3629	6	6	8	8	6	6	9	9
Household appliances.....	363	2	2	2	2	2	2	2	2
Household cooking equipment.....	3631	5	6	7	7	6	6	7	8
Household refrigerators and freezers....	3632	2	(3)	3	3	1	(3)	2	4
Household laundry equipment.....	3633	2	2	2	1	2	3	2	2
Electric housewares and fans.....	3634	3	4	4	3	4	5	4	4
Household vacuum cleaners.....	3635	1	2	2	1	2	3	2	1
Sewing machines.....	3636	3	3	4	18	5	3	11	18
Household appliances, n.e.c.....	3639	2	3	2	2	1	3	2	2

See footnotes at end of table.

Table A-1. Continued—Relative standard errors for measures of occupational injuries and illnesses and occupational injuries by industry, 1981

Industry	SIC code 1/	Relative standard error (percent) 2/							
		Injuries and illnesses				Injuries			
		Total cases	Lost workday cases	Nonfatal cases without lost workdays	Lost workdays	Total cases	Lost workday cases	Nonfatal cases without lost workdays	Lost workdays
Electric lighting and wiring equipment.....	364	2	2	3	3	2	2	3	3
Electric lamps.....	3641	8	6	10	5	8	6	11	4
Current-carrying wiring devices.....	3643	3	5	4	6	3	5	4	6
Noncurrent-carrying wiring devices.....	3644	7	6	11	11	7	6	11	11
Residential lighting fixtures.....	3645	3	4	3	5	3	4	3	5
Commercial lighting fixtures.....	3646	4	4	5	7	4	4	5	7
Vehicular lighting equipment.....	3647	2	2	3	3	2	2	3	3
Lighting equipment, n.e.c.....	3648	6	7	7	6	6	7	7	6
Radio and TV receiving equipment.....	365	5	6	6	15	5	7	6	16
Radio and TV receiving sets.....	3651	6	8	7	18	6	8	8	19
Phonograph records.....	3652	6	10	6	15	6	10	6	15
Communication equipment.....	366	3	3	4	4	3	3	4	3
Telephone and telegraph apparatus.....	3661	3	4	4	4	3	4	4	5
Radio and TV communication equipment....	3662	4	5	5	5	4	4	5	5
Electronic components and accessories.....	367	3	2	3	4	3	2	3	4
Electron tubes, receiving type.....	3671	3	2	8	1	3	2	9	1
Cathode ray television picture tubes....	3672	3	(3)	8	(3)	3	(3)	9	(3)
Electron tubes, transmitting.....	3673	4	6	4	4	3	6	4	4
Semiconductors and related devices.....	3674	6	5	8	5	6	4	8	6
Electronic capacitors.....	3675	6	6	8	11	6	6	8	11
Electronic resistors.....	3676	5	5	6	5	5	6	6	5
Electronic coils and transformers.....	3677	4	4	5	7	5	4	6	8
Electronic connectors.....	3678	4	7	7	13	4	7	7	13
Electronic components, n.e.c.....	3679	4	4	5	8	4	4	5	7
Miscellaneous electrical equipment and supplies.....	369	3	3	4	4	3	3	4	4
Storage batteries.....	3691	6	6	8	6	6	6	8	6
Primary batteries, dry and wet.....	3692	6	8	6	7	5	7	5	4
X-ray apparatus and tubes.....	3693	7	5	9	6	7	5	10	6
Engine electrical equipment.....	3694	4	5	5	7	4	5	6	7
Electrical equipment and supplies, n.e.c.....	3699	10	6	15	12	10	6	15	12
Transportation equipment.....	37	1	1	1	1	1	1	1	1
Motor vehicles and equipment.....	371	2	2	3	3	2	2	3	3
Motor vehicles and car bodies.....	3711	4	4	5	5	4	4	5	5
Truck and bus bodies.....	3713	3	4	4	5	3	4	4	5
Motor vehicle parts and accessories.....	3714	4	4	5	5	4	4	5	5
Truck trailers.....	3715	6	6	7	8	6	6	7	8
Self-contained mobile homes.....	3716	11	12	13	12	11	12	13	13
Aircraft and parts.....	372	2	2	2	3	2	2	2	3
Aircraft.....	3721	1	1	1	2	1	1	1	2
Aircraft engines and engine parts.....	3724	5	5	7	7	5	5	7	7
Aircraft equipment, n.e.c.....	3728	3	4	4	6	3	4	4	6
Ship and boat building and repairing.....	373	2	2	2	2	2	2	3	2
Ship building and repairing.....	3731	2	2	3	2	2	2	3	2
Boat building and repairing.....	3732	3	4	4	7	3	4	4	7
Railroad equipment.....	374	4	5	5	4	4	5	5	4
Motorcycles, bicycles, and parts.....	375	10	15	6	8	10	15	6	9
Guided missiles, space vehicles, and parts.....	376	2	2	3	2	2	2	3	2
Guided missiles and space vehicles.....	3761	3	2	5	2	3	2	5	2
Space propulsion units and parts.....	3764	1	1	2	2	1	1	2	2
Space vehicle equipment, n.e.c.....	3769	6	6	8	4	7	6	8	4
Miscellaneous transportation equipment....	379	3	3	4	3	3	3	4	3
Travel trailers and campers.....	3792	4	5	5	6	4	5	5	6
Tanks and tank components.....	3795	1	2	(3)	1	1	2	(3)	1
Transportation equipment, n.e.c.....	3799	6	7	7	6	6	7	7	6
Instruments and related products.....	38	2	2	2	2	2	2	2	2
Engineering and scientific instruments....	381	7	6	9	7	7	6	9	7
Measuring and controlling devices.....	382	3	3	3	3	3	3	3	3
Environmental controls.....	3822	5	5	6	4	5	5	6	5
Process control instruments.....	3823	7	7	7	8	7	8	7	8
Fluid meters and counting devices.....	3824	5	5	7	5	5	5	7	6
Instruments to measure electricity.....	3825	4	4	5	7	4	4	6	7
Measuring and controlling devices, n.e.c.....	3829	9	9	10	11	9	9	11	11
Optical instruments and lenses.....	383	6	5	8	5	6	5	8	5

See footnotes at end of table.

Table A-1. Continued—Relative standard errors for measures of occupational injuries and illnesses and occupational injuries by industry, 1981

Industry	SIC code 1/	Relative standard error (percent) 2/							
		Injuries and illnesses				Injuries			
		Total cases	Lost workday cases	Nonfatal cases without lost workdays	Lost workdays	Total cases	Lost workday cases	Nonfatal cases without lost workdays	Lost workdays
Medical instruments and supplies.....	384	4	5	4	5	4	5	4	5
Surgical and medical instruments.....	3841	5	5	6	5	5	5	6	5
Surgical appliances and supplies.....	3842	7	8	7	9	7	8	7	8
Dental equipment and supplies.....	3843	5	7	6	13	5	7	6	13
Ophthalmic goods.....	385	6	8	6	6	6	9	6	7
Photographic equipment and supplies.....	386	5	5	6	3	5	5	6	4
Watches, clocks, and watchcases.....	387	5	9	6	8	5	10	6	9
Miscellaneous manufacturing industries.....	39	1	2	2	2	1	2	2	2
Jewelry, silverware, and plated ware.....	391	4	4	5	3	4	4	5	3
Jewelry, precious metal.....	3911	7	9	7	8	7	9	8	8
Silverware and plated ware.....	3914	4	3	7	3	4	3	7	3
Jewelers' materials and lapidary work...	3915	5	9	5	10	5	9	5	10
Musical instruments.....	393	5	6	6	9	5	6	6	9
Toys and sporting goods.....	394	2	3	3	4	2	3	3	4
Games, toys, and children's vehicles...	3944	2	3	3	3	2	3	3	3
Sporting and athletic goods, n.e.c.....	3949	3	4	4	6	4	5	4	7
Pens, pencils, office and art supplies...	395	3	2	3	3	3	3	3	4
Pens and mechanical pencils.....	3951	3	2	6	3	4	3	7	3
Lead pencils and art goods.....	3952	2	2	2	6	2	2	2	6
Marking devices.....	3953	7	9	8	14	7	9	8	14
Carbon paper and inked ribbons.....	3955	8	8	10	12	8	8	10	12
Costume jewelry and notions.....	396	6	7	7	8	5	7	7	8
Needles, pins, and fasteners.....	3964	7	7	9	5	7	6	9	5
Miscellaneous manufactures.....	399	2	3	3	4	2	3	3	4
Brooms and brushes.....	3991	4	6	4	6	4	6	4	6
Signs and advertising displays.....	3993	4	5	4	9	4	5	4	8
Burial caskets.....	3995	4	6	4	7	4	6	4	7
Hard surface floor coverings.....	3996	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)
Manufacturing industries, n.e.c.....	3999	5	6	5	9	5	6	5	9
Nondurable goods.....		(3)	1	1	1	(3)	1	1	1
Food and kindred products.....	20	1	1	1	1	1	1	1	1
Meat products.....	201	2	2	2	2	2	2	2	3
Meatpacking plants.....	2011	2	3	3	4	3	3	3	4
Sausages and other prepared meats.....	2013	2	3	3	3	2	3	3	3
Poultry dressing plants.....	2016	2	3	3	4	2	3	3	4
Poultry and egg processing.....	2017	3	3	4	5	3	3	4	4
Dairy products.....	202	2	2	2	3	2	2	2	3
Creamery butter.....	2021	5	3	6	6	5	3	6	6
Cheese, natural and processed.....	2022	4	5	4	6	4	5	4	6
Condensed and evaporated milk.....	2023	3	4	3	5	3	4	4	5
Ice cream and frozen desserts.....	2024	4	4	5	7	4	4	5	7
Fluid milk.....	2026	2	3	3	4	2	3	3	4
Preserved fruits and vegetables.....	203	2	2	3	3	2	2	3	3
Canned specialties.....	2032	4	4	4	6	3	4	4	6
Canned fruits and vegetables.....	2033	4	4	5	5	4	4	5	5
Dehydrated fruits, vegetables, soups...	2034	7	8	8	9	7	8	8	9
Pickles, sauces, and salad dressings...	2035	3	3	3	4	3	3	4	4
Frozen fruits and vegetables.....	2037	5	6	6	5	5	5	6	5
Frozen specialties.....	2038	4	4	5	5	4	4	5	4
Grain mill products.....	204	2	2	3	3	2	2	3	3
Flour and other grain mill products.....	2041	3	4	4	5	3	4	4	5
Cereal breakfast foods.....	2043	3	4	3	2	2	3	3	2
Rice milling.....	2044	5	4	8	4	5	3	8	4
Blended and prepared flour.....	2045	4	5	5	5	4	5	5	5
Wet corn milling.....	2046	2	3	3	3	3	3	3	3
Dog, cat, and other pet food.....	2047	4	5	5	5	4	5	5	5
Prepared feeds, n.e.c.....	2048	4	5	6	8	4	5	6	8
Bakery products.....	205	2	2	3	3	2	2	3	3
Bread, cake, and related products.....	2051	3	3	4	4	3	3	4	4
Cookies and crackers.....	2052	3	4	4	5	3	4	4	5

See footnotes at end of table.

Table A-1. Continued—Relative standard errors for measures of occupational injuries and illnesses and occupational injuries by industry, 1981

Industry	SIC code 1/	Relative standard error (percent) 2/							
		Injuries and illnesses				Injuries			
		Total cases	Lost workday cases	Nonfatal cases without lost workdays	Lost workdays	Total cases	Lost workday cases	Nonfatal cases without lost workdays	Lost workdays
Sugar and confectionery products.....	206	2	2	2	2	2	2	2	2
Raw cane sugar.....	2061	4	4	6	4	4	4	6	4
Cane sugar refining.....	2062	1	1	1	1	1	1	1	1
Beet sugar.....	2063	4	4	7	5	4	4	7	5
Confectionery products.....	2065	3	3	4	4	3	3	4	4
Chocolate and cocoa products.....	2066	5	4	7	4	5	4	8	4
Chewing gum.....	2067	5	5	7	5	5	4	7	4
Fats and oils.....	207	2	2	2	3	2	2	2	3
Cottonseed oil mills.....	2074	3	3	4	6	3	3	4	6
Soybean oil mills.....	2075	4	6	6	8	4	6	6	8
Vegetable oil mills, n.e.c.....	2076	7	13	7	6	7	13	7	5
Animal and marine fats and oils.....	2077	4	4	5	5	3	4	5	5
Shortening and cooking oils.....	2079	2	2	4	4	2	2	4	4
Beverages.....	208	1	2	2	2	1	2	2	2
Malt beverages.....	2082	2	4	2	5	2	4	2	5
Malt.....	2083	3	3	4	13	3	3	4	13
Wines, brandy, and brandy spirits.....	2084	3	3	4	6	3	3	4	6
Distilled liquor, except brandy.....	2085	3	2	4	2	3	2	4	2
Bottled and canned soft drinks.....	2086	2	2	2	3	2	2	2	3
Flavoring extracts and syrups, n.e.c....	2087	6	8	8	10	6	8	8	10
Miscellaneous foods and kindred products..	209	2	2	2	3	2	2	2	3
Canned and cured seafoods.....	2091	4	5	5	5	4	5	6	6
Fresh or frozen packaged fish.....	2092	4	4	5	6	4	4	5	6
Roasted coffee.....	2095	7	7	8	7	7	8	8	7
Manufactured ice.....	2097	5	6	7	9	5	6	7	9
Macaroni and spaghetti.....	2098	4	4	5	4	4	4	5	4
Food preparations, n.e.c.....	2099	3	4	4	4	3	4	4	4
Tobacco manufactures.....	21	1	2	1	1	1	2	1	1
Cigarettes.....	211	1	2	1	1	1	2	1	1
Cigars.....	212	3	4	4	4	3	4	4	5
Chewing and smoking tobacco.....	213	2	2	2	4	2	3	2	4
Tobacco stemming and redrying.....	214	2	4	2	3	2	4	2	3
Textile mill products.....	22	1	1	1	2	1	1	1	2
Weaving mills, cotton.....	221	4	5	4	7	4	5	4	7
Weaving mills, synthetics.....	222	4	6	4	6	4	6	4	6
Weaving and finishing mills, wool.....	223	3	3	4	5	3	3	4	5
Narrow fabric mills.....	224	6	6	8	10	6	6	8	10
Knitting mills.....	225	3	3	4	5	3	3	4	5
Women's hosiery, except socks.....	2251	7	8	8	7	7	9	8	8
Hosiery, n.e.c.....	2252	6	6	8	9	6	6	8	9
Knit outerwear mills.....	2253	8	7	10	16	8	7	10	16
Knit underwear mills.....	2254	3	5	4	5	3	6	4	6
Circular knit fabric mills.....	2257	5	6	6	9	5	6	6	10
Warp knit fabric mills.....	2258	5	7	6	9	5	7	6	9
Knitting mills, n.e.c.....	2259	3	4	2	5	3	4	2	5
Textile finishing, except wool.....	226	3	4	3	7	3	4	3	6
Finishing plants, cotton.....	2261	5	6	6	8	5	6	6	8
Finishing plants, synthetics.....	2262	5	7	6	13	5	7	6	12
Finishing plants, n.e.c.....	2269	4	5	5	14	4	5	5	14
Floor covering mills.....	227	6	7	6	8	6	7	6	8
Woven carpets and rugs.....	2271	7	5	8	5	7	5	8	5
Tufted carpets and rugs.....	2272	7	9	7	9	6	9	7	9
Carpets and rugs, n.e.c.....	2279	4	4	8	12	4	4	8	12
Yarn and thread mills.....	228	2	3	2	5	2	3	2	5
Yarn mills, except wool.....	2281	3	4	3	6	3	4	3	6
Throwing and winding mills.....	2282	6	10	7	14	6	10	7	15
Wool yarn mills.....	2283	3	4	3	3	3	4	3	3
Thread mills.....	2284	2	4	2	6	2	4	2	6
Miscellaneous textile goods.....	229	2	2	2	3	2	2	2	3
Felt goods, except woven felts and hats.	2291	3	4	5	3	3	4	5	3
Lace goods.....	2292	12	10	14	19	12	10	14	19
Paddings and upholstery filling.....	2293	5	8	7	11	5	8	7	11
Processed textile waste.....	2294	4	5	5	7	3	5	3	7
Coated fabrics, not rubberized.....	2295	5	5	5	9	5	6	5	9
Nonwoven fabrics.....	2297	5	8	7	5	5	8	7	5
Cordage and twine.....	2298	5	5	7	7	5	5	8	7
Textile goods, n.e.c.....	2299	5	6	6	4	5	6	6	4

See footnotes at end of table.

Table A-1. Continued—Relative standard errors for measures of occupational injuries and illnesses and occupational injuries by industry, 1981

Industry	SIC code 1/	Relative standard error (percent) 2/							
		Injuries and illnesses				Injuries			
		Total cases	Lost workday cases	Nonfatal cases without lost workdays	Lost workdays	Total cases	Lost workday cases	Nonfatal cases without lost workdays	Lost workdays
Apparel and other textile products.....	23	1	1	2	2	1	1	2	2
Men's and boys' suits and coats.....	231	3	3	3	3	3	3	3	3
Men's and boys' furnishings.....	232	2	2	3	3	2	2	3	3
Men's and boys' shirts and nightwear....	2321	4	5	5	6	4	5	5	6
Men's and boys' underwear.....	2322	3	4	4	4	3	3	4	4
Men's and boys' neckwear.....	2323	7	9	9	15	7	9	9	15
Men's and boys' separate trousers.....	2327	4	4	6	4	4	4	6	4
Men's and boys' work clothing.....	2328	3	4	4	6	3	4	4	6
Men's and boys' clothing, n.e.c.....	2329	6	8	8	8	6	8	8	8
Women's and misses' outerwear.....	233	4	4	5	7	4	4	5	8
Women's and misses' blouses and waists..	2331	8	8	9	12	8	8	9	11
Women's and misses' dresses.....	2335	11	15	12	21	11	15	12	22
Women's and misses' suits and coats.....	2337	12	13	15	26	12	13	15	27
Women's and misses' outerwear, n.e.c....	2339	5	5	6	7	5	5	6	7
Women's and children's undergarments.....	234	4	5	5	15	4	5	5	15
Women's and children's underwear.....	2341	5	6	6	18	5	6	6	18
Brassieres and allied garments.....	2342	7	8	9	9	7	9	10	9
Hats, caps, and millinery.....	235	8	12	8	12	9	12	8	12
Hats and caps, except millinery.....	2352	9	12	8	12	9	12	8	13
Children's outerwear.....	236	4	4	5	6	4	4	5	6
Children's dresses and blouses.....	2361	7	9	8	15	7	9	8	16
Children's coats and suits.....	2363	6	6	9	19	6	6	9	19
Children's outerwear, n.e.c.....	2369	6	5	7	5	5	5	7	5
Miscellaneous apparel and accessories....	238	4	4	5	6	4	4	4	6
Fabric dress and work gloves.....	2381	5	9	5	9	5	8	5	9
Robes and dressing gowns.....	2384	7	10	8	19	7	10	8	20
Waterproof outer garments.....	2385	5	4	6	5	5	4	7	5
Leather and sheep lined clothing.....	2386	10	13	12	26	10	13	13	26
Apparel belts.....	2387	9	9	10	11	9	9	11	11
Miscellaneous fabricated textile products.....	239	2	3	3	5	2	3	3	5
Curtains and draperies.....	2391	7	8	10	12	7	8	10	13
House furnishings, n.e.c.....	2392	4	5	5	9	4	5	5	9
Textile bags.....	2393	4	6	4	8	4	5	4	8
Canvas and related products.....	2394	5	9	5	11	5	9	6	11
Pleating and stitching.....	2395	7	11	7	12	7	11	7	12
Automotive and apparel trimmings.....	2396	6	8	7	20	6	8	7	25
Schiffli machine embroideries.....	2397	11	12	15	23	11	12	15	24
Fabricated textile products, n.e.c.....	2399	9	9	12	13	9	9	12	12
Paper and allied products.....	26	1	1	1	2	1	1	1	2
Pulp mills.....	261	3	5	3	4	3	4	3	4
Paper mills, except building paper.....	262	3	3	4	4	3	3	4	4
Paperboard mills.....	263	3	4	4	6	3	4	4	6
Miscellaneous converted paper products....	264	2	2	2	3	2	2	2	3
Paper coating and glazing.....	2641	3	4	4	5	3	4	4	5
Envelopes.....	2642	3	3	4	3	3	3	4	3
Bags, except textile bags.....	2643	3	4	3	5	3	4	3	5
Die-cut paper and board.....	2645	6	5	9	10	6	5	9	11
Pressed and molded pulp goods.....	2646	4	3	5	10	4	3	5	10
Sanitary paper products.....	2647	4	5	6	7	5	5	6	7
Stationery products.....	2648	8	9	10	8	8	9	10	8
Converted paper products, n.e.c.....	2649	7	8	8	11	7	8	8	11
Paperboard containers and boxes.....	265	2	2	2	3	2	2	2	3
Folding paperboard boxes.....	2651	3	4	4	5	3	4	4	5
Set-up paperboard boxes.....	2652	5	6	6	9	5	6	6	9
Corrugated and solid fiber boxes.....	2653	3	3	3	4	3	3	3	4
Sanitary food containers.....	2654	3	4	4	4	3	4	4	4
Fiber cans, drums, and similar products.....	2655	5	6	7	8	5	6	7	8
Building paper and board mills.....	266	4	4	7	5	4	4	7	5
Printing and publishing.....	27	1	1	2	3	1	1	2	3
Newspapers.....	271	2	2	3	3	2	2	3	3
Periodicals.....	272	8	8	9	26	8	9	9	26

See footnotes at end of table.

Table A-1. Continued—Relative standard errors for measures of occupational injuries and illnesses and occupational injuries by industry, 1981

Industry	SIC code 1/	Relative standard error (percent) 2/							
		Injuries and illnesses				Injuries			
		Total cases	Lost workday cases	Nonfatal cases without lost workdays	Lost workdays	Total cases	Lost workday cases	Nonfatal cases without lost workdays	Lost workdays
Books.....	273	4	5	4	5	4	5	4	5
Book publishing.....	2731	8	10	8	11	8	10	8	11
Book printing.....	2732	3	5	3	5	3	5	3	5
Miscellaneous publishing.....	274	12	12	14	17	12	13	14	17
Commercial printing.....	275	2	3	3	5	2	3	3	5
Commercial printing, letterpress.....	2751	4	4	5	8	4	4	5	8
Commercial printing, lithographic.....	2752	3	3	4	6	3	3	4	6
Engraving and plate printing.....	2753	5	7	7	7	6	7	7	7
Commercial printing, gravure.....	2754	5	4	9	5	5	4	9	6
Manifold business forms.....	276	4	5	6	16	4	5	6	16
Greeting card publishing.....	277	5	6	5	4	5	6	5	4
Blankbooks and bookbinding.....	278	4	4	5	7	4	4	5	7
Blankbooks and looseleaf binders.....	2782	5	5	7	10	5	5	7	10
Bookbinding and related work.....	2789	5	6	6	6	5	6	6	6
Printing trade services.....	279	6	8	8	16	6	8	8	16
Typesetting.....	2791	11	12	14	23	11	12	15	25
Photoengraving.....	2793	9	14	10	34	9	14	10	34
Chemicals and allied products.....	28	1	1	1	2	1	2	2	2
Industrial inorganic chemicals.....	281	4	4	4	7	4	4	4	7
Alkalies and chlorine.....	2812	8	8	8	6	7	8	7	6
Industrial gases.....	2813	9	10	12	23	10	12	12	23
Inorganic pigments.....	2816	8	7	10	18	8	7	11	18
Industrial inorganic chemicals, n.e.c.....	2819	5	6	6	7	5	6	6	7
Plastics materials and synthetics.....	282	4	5	4	4	4	5	4	4
Plastics materials and resins.....	2821	5	7	6	7	5	6	6	7
Synthetic rubber.....	2822	5	5	5	3	4	4	5	3
Drugs.....	283	3	3	4	4	3	3	4	4
Biological products.....	2831	10	8	15	8	11	8	16	8
Medicinals and botanicals.....	2833	8	10	8	10	8	10	9	9
Pharmaceutical preparations.....	2834	3	4	4	5	4	4	5	4
Soap, cleaners, and toilet goods.....	284	2	3	3	5	2	3	3	5
Soap and other detergents.....	2841	5	6	7	12	5	6	8	12
Polishes and sanitation goods.....	2842	4	4	5	6	4	4	6	7
Surface active agents.....	2843	5	5	6	8	5	6	7	8
Toilet preparations.....	2844	3	3	4	4	3	4	4	4
Paints and allied products.....	285	3	4	4	6	3	4	4	6
Industrial organic chemicals.....	286	4	6	5	5	4	6	5	6
Gum and wood chemicals.....	2861	5	7	7	6	5	7	7	6
Cyclic crudes and intermediates.....	2865	6	9	8	9	6	10	8	9
Industrial organic chemicals, n.e.c.....	2869	6	8	6	7	6	8	6	8
Agricultural chemicals.....	287	6	7	7	9	6	7	8	9
Nitrogenous fertilizers.....	2873	8	9	10	19	8	9	11	20
Phosphate fertilizers.....	2874	6	12	4	7	6	12	4	8
Agricultural chemicals, n.e.c.....	2879	7	9	9	11	8	9	10	12
Miscellaneous chemical products.....	289	3	3	4	5	3	4	4	5
Adhesives and sealants.....	2891	5	5	7	6	5	5	7	6
Explosives.....	2892	14	11	23	13	14	12	22	15
Printing ink.....	2893	4	6	5	10	4	6	5	11
Carbon black.....	2895	4	7	6	5	4	7	6	5
Chemical preparations, n.e.c.....	2899	5	6	5	8	5	6	5	9
Petroleum and coal products.....	29	4	5	5	7	4	5	6	8
Petroleum refining.....	291	6	6	8	7	7	6	9	7
Paving and roofing materials.....	295	5	7	5	23	5	7	5	23
Paving mixtures and blocks.....	2951	7	11	7	15	7	11	7	15
Asphalt felts and coatings.....	2952	6	9	7	34	6	9	7	34
Miscellaneous petroleum and coal products.....	299	5	4	7	10	5	4	7	10
Lubricating oils and greases.....	2992	4	4	6	12	4	4	6	12
Petroleum and coal products, n.e.c.....	2999	15	12	27	19	15	12	27	19

See footnotes at end of table.

Table A-1. Continued—Relative standard errors for measures of occupational injuries and illnesses and occupational injuries by industry, 1981

Industry	SIC code 1/	Relative standard error (percent) 2/							
		Injuries and illnesses				Injuries			
		Total cases	Lost workday cases	Nonfatal cases without lost workdays	Lost workdays	Total cases	Lost workday cases	Nonfatal cases without lost workdays	Lost workdays
Rubber and miscellaneous plastics products..	30	2	2	2	2	2	2	2	2
Tires and inner tubes.....	301	3	2	8	3	4	2	8	3
Rubber and plastics footwear.....	302	5	5	6	5	5	5	6	5
Reclaimed rubber.....	303	2	2	4	1	2	2	4	1
Rubber and plastics hose and belting.....	304	3	3	5	3	3	3	6	3
Fabricated rubber products, n.e.c.....	306	3	4	4	5	3	4	4	5
Miscellaneous plastics products.....	307	2	3	2	3	2	3	3	3
Leather and leather products.....	31	2	2	2	2	2	2	2	2
Leather tanning and finishing.....	311	5	6	7	5	5	6	7	5
Boot and shoe cut stock and findings.....	313	5	6	6	8	5	6	6	9
Footwear, except rubber.....	314	2	2	2	3	2	2	2	3
House slippers.....	3142	5	8	5	7	5	8	6	8
Men's footwear, except athletic.....	3143	3	3	3	6	3	3	3	6
Women's footwear, except athletic.....	3144	3	4	4	5	3	4	4	4
Footwear, except rubber, n.e.c.....	3149	4	5	5	6	4	5	5	6
Leather gloves and mittens.....	315	6	8	7	14	6	8	7	15
Luggage.....	316	6	9	7	9	6	10	7	10
Handbags and personal leather goods.....	317	5	5	6	7	5	5	6	8
Women's handbags and purses.....	3171	8	9	10	16	8	8	10	16
Personal leather goods, n.e.c.....	3172	5	6	6	7	5	5	6	8
Leather goods, n.e.c.....	319	6	10	6	19	6	10	6	19
Transportation and public utilities.....		1	1	1	2	1	1	1	2
Local and interurban passenger transit.....	41	3	4	5	5	3	4	5	5
Local and suburban transportation.....	411	6	6	9	8	6	6	9	8
Taxicabs.....	412	10	12	11	14	10	12	11	14
Intercity highway transportation.....	413	4	5	6	8	4	5	6	8
Transportation charter service.....	414	7	8	10	15	7	8	10	15
School buses.....	415	6	8	7	12	6	7	7	12
Bus terminal and service facilities.....	417	7	8	9	34	7	8	9	34
Trucking and warehousing.....	42	2	2	3	4	2	2	3	4
Trucking, local and long distance.....	421	2	2	3	4	2	2	3	4
Public warehousing.....	422	3	3	4	5	3	3	4	5
Water transportation.....	44	3	3	5	4	3	3	5	4
Water transportation services.....	446	4	4	6	4	4	4	6	4
Transportation by air.....	45	2	2	3	2	2	2	3	2
Certificated air transportation.....	451	2	2	3	2	2	2	3	2
Noncertificated air transportation.....	452	6	8	8	10	6	8	8	10
Air transportation services.....	458	7	7	12	12	7	7	12	12
Pipelines, except natural gas.....	46	6	11	7	23	6	11	6	23
Transportation services.....	47	6	6	7	9	6	6	7	9
Freight forwarding.....	471	8	10	9	10	8	10	9	11
Arrangement of transportation.....	472	14	17	15	32	14	17	16	32
Communication.....	48	3	3	4	4	3	3	4	4
Telephone communication.....	481	3	3	5	5	3	3	5	5
Telegraph communication.....	482	6	11	4	14	6	11	4	14
Radio and television broadcasting.....	483	5	7	6	20	5	7	6	21
Communication services, n.e.c.....	489	8	10	10	14	8	10	10	14
Electric, gas, and sanitary services.....	49	1	2	2	2	1	2	2	2
Electric services.....	491	2	3	3	4	2	3	3	4
Gas production and distribution.....	492	3	3	4	6	3	3	4	6
Combination utility services.....	493	3	3	4	4	3	3	4	4
Water supply.....	494	7	7	9	13	7	7	10	13
Sanitary services.....	495	3	3	4	6	3	3	4	6
Steam supply.....	496	2	1	2	1	2	1	2	1
Wholesale and retail trade.....		1	2	2	3	1	2	2	3
Wholesale trade.....		2	3	3	6	2	3	3	6
Wholesale trade--durable goods.....	50	3	4	4	10	3	4	4	10
Motor vehicles and automotive equipment..	501	7	8	8	15	7	8	8	15
Lumber and construction materials.....	503	8	11	10	39	8	11	10	40
Metals and minerals, except petroleum.....	505	7	7	9	8	7	7	9	8
Electrical goods.....	506	12	14	14	25	12	15	14	26
Hardware, plumbing and heating equipment..	507	12	17	15	38	13	17	16	42
Machinery, equipment and supplies.....	508	6	7	7	19	6	7	7	19
Miscellaneous durable goods.....	509	12	16	13	47	12	15	13	47

See footnotes at end of table.

Table A-1. Continued—Relative standard errors for measures of occupational injuries and illnesses and occupational injuries by industry, 1981

Industry	SIC code 1/	Relative standard error (percent) 2/							
		Injuries and illnesses				Injuries			
		Total cases	Lost workday cases	Nonfatal cases without lost workdays	Lost workdays	Total cases	Lost workday cases	Nonfatal cases without lost workdays	Lost workdays
Wholesale trade—nondurable goods.....	51	3	3	3	5	3	3	3	5
Paper and paper products.....	511	11	13	14	24	11	13	14	25
Drugs, proprietaries, and sundries.....	512	9	8	13	13	9	8	14	13
Groceries and related products.....	514	3	4	5	7	3	4	5	7
Farm-product raw materials.....	515	15	14	23	30	15	14	24	30
Petroleum and petroleum products.....	517	12	15	15	18	13	16	14	18
Beer, wine, and distilled beverages.....	518	4	5	5	6	4	5	5	6
Miscellaneous nondurable goods.....	519	9	11	11	15	9	11	11	17
Retail trade.....		2	2	2	4	2	2	2	4
Building materials and garden supplies.....	52	4	4	4	10	4	4	4	10
Lumber and other building materials.....	521	4	5	5	10	4	5	5	10
Paint, glass, and wallpaper stores.....	523	13	16	16	15	13	16	16	15
Hardware stores.....	525	9	12	11	30	10	12	11	30
General merchandise stores.....	53	3	3	3	4	3	3	3	4
Department stores.....	531	3	3	4	5	3	3	4	5
Variety stores.....	533	5	5	6	11	5	5	6	11
Miscellaneous general merchandise stores..	539	13	15	14	34	13	15	14	34
Food stores.....	54	3	4	3	6	3	4	3	7
Grocery stores.....	541	3	4	3	7	3	4	3	7
Miscellaneous food stores.....	549	18	16	22	17	17	16	21	17
Automotive dealers and service stations....	55	3	5	3	9	3	5	3	9
New and used car dealers.....	551	2	4	3	6	2	4	3	6
Auto and home supply stores.....	553	8	10	11	17	9	10	11	17
Gasoline service stations.....	554	12	17	14	33	12	17	14	34
Apparel and accessory stores.....	56	8	10	11	28	8	10	11	28
Women's ready-to-wear stores.....	562	11	13	14	25	11	13	15	26
Family clothing stores.....	565	9	8	14	18	9	8	14	18
Furniture and home furnishings stores.....	57	5	7	7	13	5	7	7	14
Furniture and home furnishings stores.....	571	6	8	8	14	6	8	8	14
Radio, television, and music stores.....	573	15	18	20	23	15	18	21	24
Eating and drinking places.....	58	4	6	5	12	4	6	5	12
Miscellaneous retail.....	59	6	6	8	12	6	6	8	12
Drug and proprietary stores.....	591	8	11	10	29	8	11	10	29
Nonstore retailers.....	596	9	9	12	18	9	9	12	18
Fuel and ice dealers.....	598	12	15	15	26	12	15	15	26
Finance, insurance, and real estate.....		3	5	4	10	3	5	4	10
Banking.....	60	4	6	5	10	4	6	5	10
Commercial and stock savings banks.....	602	5	6	5	12	5	7	5	12
Functions closely related to banking.....	605	21	15	29	8	21	15	29	8
Credit agencies other than banks.....	61	8	8	10	23	8	8	11	23
Savings and loan associations.....	612	7	9	8	11	7	9	8	11
Mortgage bankers and brokers.....	616	45	19	-	28	46	19	-	28
Security, commodity brokers, and services...	62	9	11	10	17	9	11	10	17
Security brokers and dealers.....	621	7	9	7	23	7	9	7	23
Security and commodity exchanges.....	623	(3)	2	(3)	5	(3)	2	(3)	5
Insurance carriers.....	63	5	7	6	10	5	7	6	10
Life insurance.....	631	8	11	11	17	8	11	12	17
Medical service and health insurance.....	632	8	9	12	7	8	9	12	7
Fire, marine, and casualty insurance.....	633	7	12	7	10	7	12	7	10
Insurance agents, brokers, and service.....	64	12	17	14	-	12	18	14	-
Real estate.....	65	8	10	9	19	8	10	9	19
Real estate operators and lessors.....	651	12	16	14	31	12	16	14	31
Real estate agents and managers.....	653	14	17	17	24	14	17	17	24
Subdividers and developers.....	655	13	18	13	42	14	19	13	42
Combined real estate, insurance, etc.....	66	12	19	12	-	11	19	12	-
Holding and other investment offices.....	67	12	18	10	19	12	18	10	20
Holding offices.....	671	13	19	10	16	13	19	10	17
Services.....		2	2	2	3	2	2	2	3
Hotels and other lodging places.....	70	2	3	3	5	2	3	3	5
Hotels, motels, and tourist courts.....	701	2	3	3	5	2	3	3	5
Personal services.....	72	7	8	8	12	6	7	8	12
Laundry, cleaning, and garment services...	721	6	8	8	10	6	7	8	10
Business services.....	73	6	7	7	10	6	7	7	9
Services to buildings.....	734	12	14	16	18	12	14	16	18
Personnel supply services.....	736	12	12	15	14	12	12	15	15
Miscellaneous business services.....	739	9	11	11	17	9	11	11	17

Table A-1. Continued—Relative standard errors for measures of occupational injuries and illnesses and occupational injuries by industry, 1981

Industry	SIC code 1/	Relative standard error (percent) 2/							
		Injuries and illnesses				Injuries			
		Total cases	Lost workday cases	Nonfatal cases without lost workdays	Lost workdays	Total cases	Lost workday cases	Nonfatal cases without lost workdays	Lost workdays
Auto repair, services, and garages.....	75	5	6	6	13	5	6	6	14
Automotive rentals, without drivers.....	751	9	10	10	24	9	11	10	24
Automotive repair shops.....	753	6	8	8	17	6	8	8	17
Miscellaneous repair services.....	76	6	7	7	11	6	7	7	11
Electrical repair shops.....	762	10	13	12	23	10	13	12	23
Miscellaneous repair shops.....	769	7	8	9	13	7	8	9	13
Motion pictures.....	78	9	11	10	13	8	10	9	12
Motion picture production and services....	781	11	13	12	13	10	12	12	10
Amusement and recreation services.....	79	6	7	6	8	6	7	6	8
Producers, orchestras, entertainers.....	792	16	19	20	25	16	19	20	25
Bowling and billiard establishments.....	793	10	14	12	23	10	14	12	23
Miscellaneous amusement, recreational services.....	799	6	6	7	8	6	6	7	8
Health services.....	80	2	2	4	3	2	2	4	3
Offices of physicians.....	801	35	18	45	34	35	18	45	34
Nursing and personal care facilities.....	805	3	3	5	5	3	3	5	5
Hospitals.....	806	3	2	5	3	3	2	6	4
Outpatient care facilities.....	808	25	16	38	19	25	16	39	19
Health and allied services, n.e.c.....	809	13	14	18	21	13	14	17	22
Legal services.....	81	13	17	19	34	14	17	19	33
Educational services.....	82	5	7	5	7	5	7	5	7
Elementary and secondary schools.....	821	14	17	17	21	14	17	17	21
Colleges and universities.....	822	3	3	4	4	3	4	4	4
Social services.....	83	5	6	7	9	5	6	7	9
Individual and family services.....	832	11	12	16	17	11	12	16	17
Job training and related services.....	833	12	14	14	21	12	14	14	21
Residential care.....	836	8	8	11	15	8	8	10	15
Social services, n.e.c.....	839	11	13	13	23	11	13	13	23
Museums, botanical, zoological gardens.....	84	5	6	6	10	5	6	6	10
Museums and art galleries.....	841	9	10	10	15	9	10	10	15
Botanical and zoological gardens.....	842	4	5	4	9	4	5	4	10
Membership organizations.....	86	11	17	13	21	11	17	13	21
Civic and social associations.....	864	10	16	11	40	10	16	10	41
Miscellaneous services.....	89	7	9	7	21	7	9	8	23
Engineering and architectural services....	891	9	11	10	28	9	12	10	32
Noncommercial research organizations.....	892	10	15	10	12	9	14	10	12
Accounting, auditing, and bookkeeping.....	893	14	20	19	20	14	20	19	20

1 Standard Industrial Classification Manual, 1972 Edition, 1977 Supplement.

2 See discussion on the reliability of estimates.

3 Relative standard error of zero or less than 0.5.
n.e.c. = not elsewhere classified.

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

Table A-2. Relative standard errors for measures of occupational illnesses by industry, 1981

Industry	SIC code 1/	Relative standard error 2/		Industry	SIC code 1/	Relative standard error 2/	
		Total cases	Lost workday cases			Total cases	Lost workday cases
Private sector.....		2	2	Transportation and public utilities--continued.			
Agriculture, forestry, and fishing.....		6	10	Transportation by air.....	45	6	5
Agricultural production.....	01-02	8	11	Pipelines, except natural gas.....	46	29	-
Agricultural services.....	07	10	17	Transportation services.....	47	43	-
Forestry.....	08	16	16	Communication.....	48	10	14
Fishing, hunting, and trapping.....	09	29	30	Electric, gas, and sanitary services.....	49	7	11
Mining.....				Wholesale and retail trade.....		10	12
Oil and gas extraction.....	13	17	19	Wholesale trade.....		12	16
Construction.....		5	7	Wholesale trade--durable goods.....	50	23	35
General building contractors.....	15	9	13	Wholesale trade--nondurable goods.....	51	13	14
Heavy construction contractors.....	16	10	14	Retail trade.....		14	17
Special trade contractors.....	17	8	10	Building materials and garden supplies....	52	26	-
Manufacturing.....		1	1	General merchandise stores.....	53	12	13
Durable goods.....		1	2	Food stores.....	54	37	-
Lumber and wood products.....	24	4	6	Automotive dealers and service stations...	55	19	24
Furniture and fixtures.....	25	4	5	Apparel and accessory stores.....	56	-	-
Stone, clay, and glass products.....	32	4	6	Furniture and home furnishings stores....	57	25	31
Primary metal industries.....	33	4	6	Eating and drinking places.....	58	38	48
Fabricated metal products.....	34	3	5	Miscellaneous retail.....	59	49	-
Machinery, except electrical.....	35	3	4	Finance, insurance, and real estate.....		17	26
Electric and electronic equipment.....	36	3	4	Banking.....	60	29	35
Transportation equipment.....	37	3	3	Credit agencies other than banks.....	61	31	-
Instruments and related products.....	38	4	4	Security, commodity brokers, and services...	62	(3)	-
Miscellaneous manufacturing industries.....	39	4	6	Insurance carriers.....	63	21	28
Nondurable goods.....		2	2	Insurance agents, brokers, and service.....	64	34	36
Food and kindred products.....	20	3	3	Real estate.....	65	33	49
Tobacco manufactures.....	21	1	1	Combined real estate, insurance, etc.....	66	(3)	-
Textile mill products.....	22	6	7	Holding and other investment offices.....	67	22	27
Apparel and other textile products.....	23	5	7	Services.....		6	10
Paper and allied products.....	26	5	5	Hotels and other lodging places.....	70	16	27
Printing and publishing.....	27	6	9	Personal services.....	72	-	-
Chemicals and allied products.....	28	4	5	Business services.....	73	16	21
Petroleum and coal products.....	29	7	16	Auto repair, services, and garages.....	75	44	49
Rubber and miscellaneous plastics products.	30	5	6	Miscellaneous repair services.....	76	23	43
Leather and leather products.....	31	6	7	Motion pictures.....	78	58	-
Transportation and public utilities.....		4	5	Amusement and recreation services.....	79	31	49
Local and interurban passenger transit....	41	19	30	Health services.....	80	8	14
Trucking and warehousing.....	42	14	22	Legal services.....	81	-	-
Water transportation.....	44	12	20	Educational services.....	82	14	22
				Social services.....	83	50	-
				Museums, botanical, zoological gardens.....	84	31	28
				Membership organizations.....	86	34	42
				Miscellaneous services.....	89	20	22

1 Standard Industrial Classification Manual, 1972 Edition, 1977 Supplement.

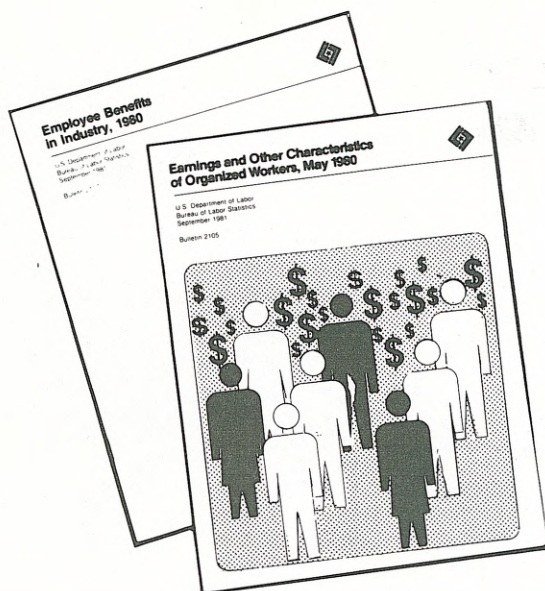
2 See discussion on the reliability of estimates.

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

Table A-3. Relative standard errors for injury and illness fatalities for employers with 11 employees or more by industry division, 1981

Industry	Relative standard error 1/
Private sector.....	5
Agriculture, forestry, and fishing..	26
Mining.....	8
Construction.....	10
Manufacturing.....	5
Transportation and public utilities.	11
Wholesale and retail trade.....	20
Finance, insurance, and real estate.	35
Services.....	34

1 See discussion on reliability of estimates.



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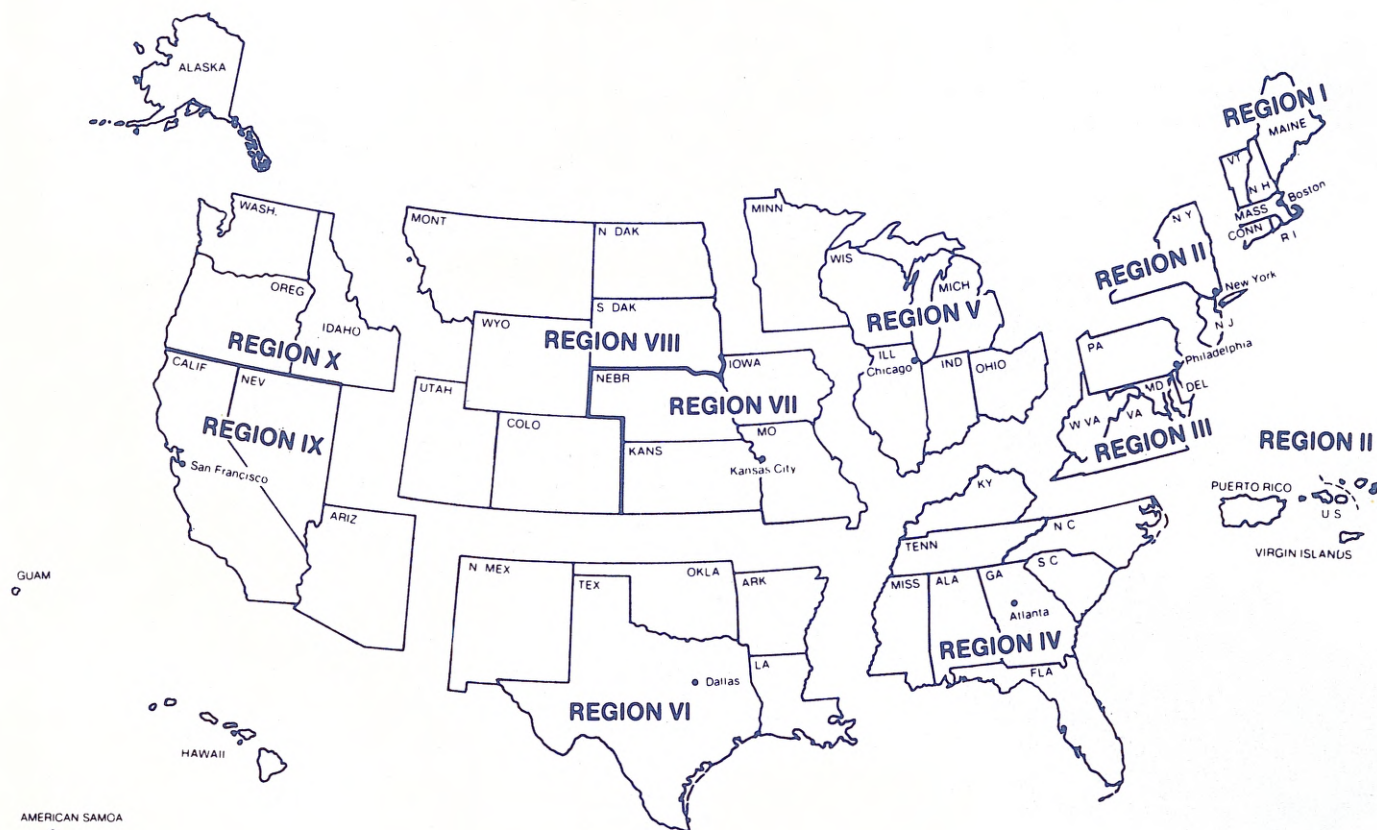
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