



Thomas J. Vilsack, Governor

Sally J. Pederson, Lt. Governor

Richard V. Running, Director

Byron K. Orton, Labor Commissioner

July 26, 2001

Putting Iowa to Work

> David L. Reynolds Legislative Fiscal Bureau Second Floor - State Capitol Des Moines, Iowa 50319

Dear Dave:

During Commissioner Orton's and my presentation at the Legislative Fiscal Committee meeting on July 24<sup>th</sup>, we were asked to provide injury/illness/fatality statistics for the Committee members.

I am enclosing the information as requested. If there are additional questions, please feel free to contact either Byron or myself.

Sincerely,

Mary L. Bryant

IOSH Administrator

Enclosure

Copy to:

Orton

Bryant

# SUMMARY OF WORK RELATED EMPLOYEE FATALITIES BY INDUSTRY

IOWA 1998 - 1999

Industry	Contr 1998	ollable¹ 1999	Uncont	rollable² 1999	Tot 1998	al 1999
PRIVATE SECTOR	24	24	35	38	59	62
Agriculture, Forestry & Fishing	2	4	2	3	4	7
Mining	1	1	1	1	2	2
Construction	8	6	6.	4	14	10
Manufacturing	5	3	4	10	9	13
Transportation & Public Utilities.	0	4	4	12	4	16
Wholesale Trade	4	3	4	1	8	4
Retail Trade	0	1	7	2	7	3
Finance, Insurance & Real Estate	0	0	1	2	1	2
Services	4	2	6	3	10	5
PUBLIC SECTOR	3	6	5	5	8	11
Federal Government	0	0	0	1	0	1
State Government	0	0	2	0	2	0
Local Government	3	6	3 -	4	6	10-
TOTAL	27	30	40	43	67	73

Iowa Division of Labor
Inspections and Reporting Bureau
1000 East Grand Avenue
Des Moines, IA 50319
(515) 281-5151

<sup>&</sup>lt;sup>1</sup> Subject to IOSHA/OSHA control.

<sup>&</sup>lt;sup>2</sup> Not controllable by IOSHA/OSHA.



FOR IMMEDIATE RELEASE February 6, 2001

Contact: John G. Patramanis 515-281-5151

## WORKPLACE INJURIES AND ILLNESSES IN IOWA IN 1999

A total of 87,700 injuries and illnesses were reported in private industry workplaces in Iowa during 1999, resulting in a rate of 8.7 cases per 100 equivalent full-time workers, according to a survey conducted by the Iowa Division of Labor in cooperation with the Bureau of Labor Statistics, U.S. Department of Labor. The 1999 incident rate was 6.5 percent below the rate of 9.3 recorded in 1998. The rate for 1999 was the lowest recorded in Iowa since 1986.

The following table on incidence rates for injuries and illnesses shows the decline in rates per 100 full-time workers in the private sector since 1994:

<u>1994</u> <u>1995</u> <u>1996</u> <u>1997</u> <u>1998</u> <u>1999</u> 10.8 10.4 9.8 9.8 9.3 8.7

'Among the major industry divisions, the highest rate in 1999 was recorded in manufacturing (15.1 cases per 100 full-time workers). This was followed by construction (9.9 cases per 100 full-time workers) and transportation and public utilities (8.9 cases per 100 full-time workers). The lowest rate (1.3 per 100) was in the finance, insurance, and real estate division.

Of the total injuries and illnesses reported in the private sector, about 41,800 were lost workday cases, that is they required recuperation away from work or restricted duties at work, or both. The remaining 45,900 injuries and illnesses were cases without lost workdays. The incidence rate for both types of cases declined between 1998 and 1999. For lost workday cases, the rate declined from 4.2 cases per 100 workers to 4.1 cases per 100 workers, and for cases without lost workdays, the rate decreased from 5.1 cases per 100 workers to 4.6 cases per 100 workers.

Six of the eight major industry divisions with published rates recorded an over-the-year drop in their incidence rates. The construction industry posted a 21 percent decline between 1998 and 1999 and manufacturing had a nine-percent drop. Transportation and public utilities and wholesale trade were the two private sector industry division whose injury and illness rates increased in 1999.

In addition to the private sector, state and local government employees experienced 12,000 work injuries and illnesses in 1999. The public sector rate in Iowa was 7.5 cases per 100 workers in 1999 compared to 7.4 cases per 100 workers in 1998.

The incidence rate for total occupational injuries and illnesses in the private sector in Iowa in 1999 was 8.7 per 100 full-time workers as compared to a rate of 6.3 per 100 in the United States. Although the Iowa rate remains at a level above the national rate, the over-the-year decrease in the rate between 1998 and 1999 was 6.5 percent in Iowa while the national rate declined by 6 percent over the same period of time.

Putting

lowa

Work

1000 East Grand Avenue

Des Moines. IA 50319-0209

81-5387

800-J08-I0WA

Table 1. Incidence rates' of nonfatal occupational injuries and illnesses by selected industries and case types, 1999

				njuries an	nd Ilinesse	s		Inju	ries	
2	SIC	1999 Annual average			orkday ses	Cases		1	orkday ses	Cases
Industry <sup>2</sup>	code <sup>3</sup>	employ- ment <sup>4</sup> (000's)	Total cases	Total <sup>5</sup>	With days away from work <sup>6</sup>	without lost work- days	Total cases	Total <sup>5</sup>	With days away from work <sup>6</sup>	withou lost work- days
ll Industries including State and local government <sup>7</sup>		1,411.7	8.5	3.9	2.1	4.6	7.5	3.4	2.0	4.
Private Industry <sup>7</sup>		1,211.9	8.7	4.1	2.1	4.6	7.6	3.6	2.0	4.
Agriculture, forestry, and fishing <sup>7</sup>		18.3	7.4	3.2	. 2.5	4.2	7.1	3.2	2.5	4.
Agricultural services	07	8.8	7.6	3.0	2.0	4.6	7.2	3.0	2.0	4.
Construction		65.0	9.9	5.2	4.3	4.7	9.7	5.0	4.1	4.
General building contractors Heavy construction, except building Special trade contractors	15 16 17	16.2 9.4 39.4	9.0 11.9 9.7	4.3 6.0 5.2	3.3 4.6 4.5	4.7 5.9 4.5	8.7 11.7 9.5	4.0 5.9 5.2	2.9 4.6 4.5	4. 5. 4.
Manufacturing		260.8	15.1	7.4	2.7	7.7	11.7	5.6	2.4	6.
Durable goods		153.8	13.6	5.7	2.5	8.0	11.9	4.9	2.3	7.
Lumber and wood products Furniture and fixtures Stone, clay, and glass products Primary metal industries Fabricated metal products Industrial machinery and equipment Electronic and other electric equipment Transportation equipment Miscellaneous manufacturing industries	24 25 32 33 34 35 36 37 39	13.6 6.6 7.8 8.5 20.7 43.6 18.2 17.4 4.9	18.6 13.1 9.8 17.0 17.4 12.2 9.0 20.3 5.7	4.1 4.3 4.4 6.5 8.1 5.1 4.5 9.2 2.0	3.3 1.3 2.9 2.8 4.0 2.0 1.3 3.7	14.5 8.9 5.5 10.5 9.3 7.0 4.5 11.1	16.8 13.0 8.8 15.9 15.9 10.9 6.0 16.8 5.1	3.7 4.1 3.9 6.1 7.6 4.5 2.7 7.8 1.7	3.2 1.2 2.7 2.6 3.8 1.7 1.0 3.4 0.9	13. 8. 4. 9. 8. 6. 3. 9. 3.
Nondurable goods		107.0	17.2	9.9	3.0	7.3	11.4	6.7	2.6	4.7
Food and kindred products Apparel and other textile products Paper and allied products Printing and publishing Chemicals and allied products Rubber and miscellaneous plastics products	20 23 26 27 28 30	50.9 4.0 6.3 20.7 7.4 15.7	22.7 17.7 7.8 6.7 5.3 19.8	13.0 4.8 5.0 3.5 3.5 12.6	3.2 3.4 2.3 1.8 1.4 4.8	9.7 12.9 2.8 3.3 1.8 7.2	12.8 11.0 7.2 5.5 4.0 18.3	7.6 3.7 4.6 2.7 2.4 11.5	2.7 2.7 2.1 1.5 0.9 4.3	5.2 7.3 2.6 2.7 1.6 6.8
Fransportation and public utilities		68.5	8.9	4.9	2.6	4.0	8.4	4.7	2.5	3.8
Railroad transportation <sup>a</sup> Trucking and warehousing Communications Electric, gas, and sanitary services	40 42 48 49	31.8 15.0 9.5	4.3 12.3 1.5 7.5	3.4 7.0 0.7 3.2	2.7 3.3 0.6 2.4	0.9 5.3 0.8 4.3	4.2 11.8 1.4 6.5	3.4 6.7 0.7 3.2	2.7 3.2 0.6 2.4	0.9 5.0 0.7 3.3
Vholesale and retail trade		357.2	7.2	3.0	1.9	4.2	7.0	2.8	1.8	4.2
Wholesale trade		85.5	8.2	3.9	2.4	4.3	7.8	3.6	2.2	4.2
Wholesale tradedurable goods	50	40.3	9.3	3.9	2.5	5.4	9.1	3.7	2.3	5.4
Wholesale tradenondurable goods	51	45.2	7.2	3.8	2.3	3.4	6.8	3.6	2.2	3.2

Table 1. Incidence rates' of nonfatal occupational injuries and illnesses by selected industries and case types, 1999 -- Continued

				njuries an	d Illnesse	s		Inju	ries	
	SIC	1999 Annual average		•	orkday ses	Cases			orkday ses	Cases
Industry <sup>2</sup>	code <sup>3</sup>	employ- ment <sup>4</sup> (000's)	Total cases	Total <sup>5</sup>	With days away from work <sup>6</sup>	without lost work- days	Total cases	Totai <sup>5</sup>	With days away from work <sup>6</sup>	without lost work- days
Retail trade		271.7	6.8	2.6	1.6	4.2	6.7	2.5	1.5	4.1
Building materials and garden supplies General merchandise stores Food stores Automotive dealers and service stations Apparel and accessory stores Furniture and homefurnishings stores Eating and drinking places Miscellaneous retail	52 53 54 55 56 57 58 59	14.1 34.6 44.4 38.0 10.1 11.4 90.0 29.0	8.0 10.5 7.6 6.4 2.4 3.0 7.0 4.1	4.2 4.9 2.7 2.2 1.4 1.4 2.0 2.0	1.8 2.1 1.9 0.7	3.7 5.6 4.9 4.2 1.0 1.6 4.9 2.1	7.9 10.3 7.5 6.3 2.4 3.0 6.9 3.8	4.1 4.8 2.7 2.1 1.4 1.9 1.8	1.6 2.1 1.8 0.7 0.9 1.3	3.7 5.6 4.8 4.2 1.0 1.6 4.9 2.0
Finance, insurance, and real estate		84.7	1.3	0.4	0.3	0.9	1.1	0.4	0.3	0.7
Insurance carriers	63	26.4	1.3	0.3	0.2	0.9	0.8	0.2	0.2	0.6
Services		355.4	5.8	2.8	1.6	3.0	5.5	2.6	1.6	2.8
Hotels and other lodging places Personal services Business services Auto repair, services, and parking Amusement and recreation services Health services Educational services Social services Membership organizations Engineering and management services	70 72 73 75 79 80 82 83 86 87	13.9 13.1 77.8 12.2 23.7 114.9 18.7 34.7 10.7 18.3	10.7 3.2 2.7 7.8 8.8 7.9 2.3 8.1 3.0	3.9 1.3 1.2 4.1 4.8 4.1 1.0 3.8 1.1	2.7 0.6 0.8 2.8 2.5 2.3 0.7 1.7 0.7	6.8 1.9 1.5 3.7 4.0 3.9 1.3 4.3 1.9	10.5 3.0 2.4 7.1 8.7 7.4 2.1 8.1 2.6 1.8	3.9 1.2 1.0 3.5 4.7 3.8 0.9 3.8 0.8	2.7 0.5 0.7 2.6 2.5 2.3 0.7 1.7 0.5 0.3	6.6 1.9 1.4 3.6 3.9 3.5 1.2 4.3 1.8
State and local government		199.8	7.5	2.6	2.1	4.9	7.1	2.5	1.9	4.6
State government		47.6	7.4	2.3	2.1	5.1	6.7	2.2	2.0	4.5
Services		28.5	7.9	2.0	1.9	5.9	7.1	1.9	1.8	5.2
Local government		152.2	7.6	2.8	2.0	4.8	7.3	2.7	1.9	4.7
Services		102.2	5.6	1.8	1.3	3.8	5.5	1.8	1.2	3.7
Educational services	82	87.8	5.0	1.5	1.1	3.5	4.9	1.4	1.0	3.5

See footnotes at end of table.

			1	njuries ar	nd Illnesse	s		Inju	ıries	1
2	SIC	1999 Annual average		1	vorkday ses	Cases			vorkday ses	Cases
Industry <sup>2</sup>	code <sup>3</sup> en	employ- ment <sup>4</sup> (000's)	Total cases	Total <sup>5</sup>	With days away from work <sup>6</sup>	without lost work- days	Total cases	Total <sup>5</sup>	With days away from work <sup>6</sup>	without lost work- days
Public administration  Executive, legislative, and general Administration of human resources	91 94				3.9 0.6		12.0 1.9		3.6	7.1

 $<sup>^{\</sup>rm I}$  incidence rates represent the number of injuries and illnesses per 100 full-time workers and were calculated as: (N/EH) x 200,000 where

N

= number of injuries and illnesses

EH.

= total hours worked by all employees during

the calendar year

200,000

 base for 100 equivalent full-time workers (working 40 hours per week, 50 weeks per year). work with or without restricted work activity.

Excludes farms with fewer than 11 employees.

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

-- Indicates data not available.

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

<sup>&</sup>lt;sup>3</sup> Standard Industrial Classification Manual, 1987 Edition.

<sup>&</sup>lt;sup>4</sup> Employment is expressed as an annual average and is derived primarily from the BLS-State Covered Employment and Wages program.

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

Days-away-from-work cases include those which result in days away from

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

Incidence rate less than 0.05.

Table 2. Number of nonfatal occupational injuries and illnesses by selected industries and case types, 1999

Iowa

1				njuries an	d Illnesse	s		Inju	ıries	
Industry <sup>†</sup>	SIC	1999 Annual average		i	orkday ses	Cases without		l	vorkday ses	Cases
	code <sup>2</sup>	employ- ment <sup>3</sup> (000's)	Total cases	Total⁴	With days away from work <sup>5</sup>	lost work- days	Total cases	Total⁴	With days away from work <sup>5</sup>	without lost work- days
All Industries including State and local government <sup>6</sup>		1,411.7	99.7	46.0	24.6	53.7	88.1	40.0	22.9	48.1
Private industry <sup>6</sup>		1,211.9	87.7	41.8	21.3	45.9	76.7	36.0		
Agriculture, forestry, and fishing <sup>6</sup>		18.3	0.8	0.4	0.3	0.5	0.8	0.4	0.3	0.4
Agricultural services	07	8.8	0.5	0.2	0.1	0.3	0.5	0.2	0.1	0.4
Construction		65.0	5.9	3.1	2.5	2.8	5.8	3.0	2.5	2.8
General building contractors Heavy construction, except building Special trade contractors	15 16 17	16.2 9.4 39.4	1.3 1.1 3.5	0.6 0.6 1.9	0.5 0.4 1.6	0.7 0.6 1.6	1.2 1.1 3.4	0.6 0.6 1.9	0.4 0.4 1.6	0.7 0.5
Manufacturing		260.8	39.1	19.2	7.1	20.0	30.2	14.5	6.2	1.6
Durable goods		153.8	20.8	8.6	3.9	12.1	18.1	7.4	3.5	15.7 10.7
Lumber and wood products Furniture and fixtures Stone, clay, and glass products Primary metal industries Fabricated metal products Industrial machinery and equipment Electronic and other electric equipment Transportation equipment Miscellaneous manufacturing industries	24 25 32 33 34 35 36 37	13.6 6.6 7.8 8.5 20.7 43.6 18.2 17.4 4.9	2.5 0.9 0.8 1.5 3.6 5.1 2.4 3.5 0.3	0.5 0.3 0.6 1.7 2.1 1.2 1.6 0.1	0.4 0.1 0.2 0.3 0.8 0.8 0.4 0.6	1.9 0.6 0.4 0.9 1.9 2.9 1.2 1.9	2.2 0.9 0.7 1.4 3.3 4.5 1.6 2.9 0.2	0.5 0.3 0.3 0.5 1.6 1.9 0.7 1.3	0.4 0.1 0.2 0.2 0.8 0.7 0.3 0.6	1.7 0.6 0.4 0.9 1.7 2.7 0.9 1.5 0.2
Nondurable goods		107.0	18.4	10.5	3.2	7.8	12.1	7.1	2.7	5.0
Food and kindred products Apparel and other textile products Paper and allied products Printing and publishing Chemicals and allied products Rubber and miscellaneous plastics products	20 23 26 27 28 30	50.9 4.0 6.3 20.7 7.4 15.7	12.2 0.6 0.5 1.2 0.4 3.1	7.0 0.2 0.3 0.6 0.3 2.0	1.7 0.1 0.1 0.3 0.1 0.8	5.2 0.4 0.2 0.6 0.1 1.1	6.9 0.4 0.5 1.0 0.3 2.9	4.1 0.1 0.3 0.5 0.2 1.8	1.4 0.1 0.1 0.3 0.1 0.7	2.8 0.3 0.2 0.5 0.1 1.1
Transportation and public utilities <sup>7</sup>		68.5	6.2	3.4	1.9	2.8	5.9	3.3	1.8	2.7
Rallroad transportation <sup>2</sup> Trucking and warehousing Communications Electric, gas, and sanitary services	40 42 48 49	31.8 15.0 9.5	0.2 4.2 0.2 0.7	0.1 2.4 0.1 0.3	0.1 1.1 0.1 0.2	( <sup>8</sup> ) 1.8 0.1 0.4	0.2 4.0 0.2 0.6	0.1 2.3 0.1 0.3	0.1 1.1 0.1 0.2	( <sup>a</sup> ) 1.7 0.1 0.3
Wholesale and retail trade		357.2	19.0	7.9	5.0	11.1	18.5	7.5	4.6	11.0
Wholesale trade		85.5	6.5	3.1	1.9	3.4	6.2	2.9	1.8	3.4
Wholesale tradedurable goods	50	40.3	3.4	1.4	0.9	2.0	3.3	1.3	0.8	2.0
Wholesale tradenondurable goods	51	45.2	3.1	1.6	1.0	1.4	2.9	1.5	0.9	1.4

Table 2. Number of nonfatal occupational injuries and illnesses by selected industries and case types, 1999 - Continued

(in thousands)

			1	njuries ar	nd lilnesse	s		Inju	ries		
	SIC	1999 Annual average		1	vorkday ses	Cases		1	orkday ses	Cases	
Industry <sup>1</sup>	code <sup>2</sup>	employ- ment <sup>3</sup> (000's)	Total cases	Total⁴	With days away from work <sup>5</sup>	without lost work- days	Total cases	Total⁴	With days away from work <sup>5</sup>	without lost work- days	
Retail trade		271.7	12.5	4.8	3.0	7.7	12.3	4.6	2.9	7.6	
Building materials and garden supplies General merchandise stores Food stores Automotive dealers and service stations Apparel and accessory stores Furniture and homefurnishings stores Eating and drinking places Miscellaneous retail	52 53 54 55 56 57 58 59	34.6 44.4 38.0 10.1 11.4 90.0	1.9 2.1 0.1 0.3 3.8		0.4 0.5 0.6 (*) 0.1 0.7	0.4 1.4 1.2 1.4 0.1 0.1 2.7 0.4	0.9 2.5 1.9 2.1 0.1 0.3 3.7 0.8	0.5 1.2 0.7 0.7 0.1 0.1 1.0 0.4	0.3 0.4 0.5 0.6 (*) 0.1 0.7 0.2	0.4 1.4 1.2 1.4 0.1 0.1 2.6 0.4	
Finance, insurance, and real estate		84.7	1.0	0.3	0.3	0.7	0.9	0.3	0.2	0.6	
Insurance carriers	63	26.4	0.3	0.1	0.1	0.2	0.2	0.1	(*)	0.2	
Services		355.4	15.5	7.5	4.3	8.0	14.6	7.0	4.2	7.6	
Hotels and other lodging places Personal services Business services Auto repair, services, and parking Amusement and recreation services Health services Educational services Social services Membership organizations Engineering and management services State and local government	70 72 73 75 79 80 82 83 86	13.9 13.1 77.8 12.2 23.7 114.9 18.7 34.7 10.7 18.3	1.0 0.3 1.6 0.8 1.4 7.0 0.3 2.2 0.2 0.3	0.4 0.1 0.7 0.4 0.7 3.6 0.1 1.0 0.1 0.1	0.2 0.1 0.4 0.3 0.4 2.0 0.1 0.5 (*) 0.1	0.6 0.2 0.9 0.4 0.6 3.4 0.2 1.2 0.1 0.2	1.0 0.3 1.4 0.7 1.3 6.5 0.3 2.2 0.2 0.3	0.4 0.1 0.6 0.4 0.7 3.4 0.1 1.0 0.1 0.1	0.2 (*) 0.4 0.3 0.4 2.0 0.1 0.5 (*) (*)	0.6 0.2 0.8 0.4 0.6 3.1 0.1 1.2 0.1 0.2	
State government		47.6	3.6	1.1	1.0	2.5	3.3	- 1.0	1.0	2.2	
Services		28.5	2.6	0.7	0.6	1.9	2.3	0.6	0.6	1.7	
Local government		152.2	8.4	3.1	2.3	5.3	8.1	2.9	2.1	5.2	
Services		102.2	4.0	1.3	0.9	2.7	3.9	1.3	0.9	2.6	
Educational services	82	87.8	3.0	0.9	0.7	2.1	3.0	0.8	0.6	2.1	
See footnotes at end of table.	<b>!</b>					<u>-</u> -L					

Table 2. Number of nonfatal occupational injuries and illnesses by selected industries and case types, 1999 -- Continued

Iowa

\				njuries an	d Ilinesse	s		Inju	ıries	
	SIC	1999 Annual average		ł	orkday ses	Cases		l .	orkday ses	Cases
Industry <sup>1</sup>	code <sup>2</sup>	employ- ment <sup>3</sup> (000's)	Total cases	Total⁴	With days away from work <sup>5</sup>	without lost work- days	Total cases	Total⁴	With days away from work <sup>5</sup>	without lost work- days
Public administration  Executive, legislative, and general Administration of human resources	91 94	 40.8 4.5			1.2 {*}		3.8 0.1		 1.1	2.3

<sup>1</sup> Totals include data for industries not shown separately.

Federal Railroad Administration, U.S. Department of Transportation. Independent mining contractors are excluded from the coal, metal, and nonmetal mining industries.

Fewer than 50 cases.

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

-- Indicates data not available.

SOURCE: Bureau of Labor Statistics, U.S. Department of Labor, Survey Data conforming to OSHA definitions for mining operators in coal, metal, and of Occupational Injuries and Illnesses, in cooperation with participating State

<sup>&</sup>lt;sup>2</sup> Standard Industrial Classification Manual, 1987 Edition.

<sup>&</sup>lt;sup>3</sup> Employment is expressed as an annual average and is derived primarily from the BLS-State Covered Employment and Wages program.

Total lost workday cases involve days away from work, or days of restricted work activity, or both.

Days-away-from-work cases include those which result in days away from work with or without restricted work activity.

Excludes farms with fewer than 11 employees.

nonmetal mining and for employers in railroad transportation are provided to BLS by the Mine Safety and Health Administration, U.S. Department of Labor; and the

Table 3. Incidence rates' of nonfatal occupational injuries by industry division and employment size, 1999

la disease all'inter	All		Establishme	nt employment s	ize (workers)	
Industry division	establishments	1 to 10	11 to 49	50 to 249	250 to 999	1,000 or more
All Industries including						
State and local government <sup>2</sup>	7.5	2.8	6.9	9.6	8.1	8.2
Private industry <sup>2</sup>	7.6	2.8	7.1	9.9	8.1	8.5
Agriculture, forestry, and fishing <sup>2</sup>	7.1	7.0	6.9		••	
Mining <sup>3</sup>				<b></b>	••	
Construction	9.7	7.5	9.6	11.1	13.2	, <del></del>
Manufacturing	11.7	2.6	12.7	13.1	11.0	11.0
Durable goods	11.9		14.9	14.0	11.9	8.2
Nondurable goods	11.4	1.8	9.2	12.1	9.4	15.7
Transportation and public utilities <sup>3</sup>	8.4		9.3	13.3	3.7	7.0
Wholesale and retail trade	7.0	2.6	7.3	9.6	••	***
Wholesale trade	7.8	3.2	9.3	10.1		
Retall trade	6.7	2.3	6.2	9.4		
Finance, insurance, and real estate	1,1	1.9	0.7			-
Services	5.5	1.7	4.3	7.6	6.0	7.3
State and local government	7.1	2.3	5.3	8.1	7.8	7.4
State government	6.7	5.2	10.4	4.7	8.0	6.4
Local government	7.3		4.2	8.4	7.7	12.5

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

the calendar year

200,000

= base for 100 equivalent full-time workers (working 40 hours per week, 50 weeks per year). metal, and nonmetal mining and for employers in railroad transportation are provided to BLS by the Mine Safety and Health Administration, U.S. Department of Labor; and the Federal Railroad Administration, U.S. Department of Transportation. Independent mining contractors are excluded from the coal, metal, and nonmetal mining industries.

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

<sup>&</sup>lt;sup>3</sup> Data conforming to OSHA definitions for mining operators in coal,

Incidence rate less than 0.05.

<sup>--</sup> Indicates data not available.

Table 4. Number of nonfatal occupational illnesses by industry division and selected case types, 1999

(In thousands)

		Lost work	day cases	Cases	Disorders
industry division	Total cases	Total <sup>t</sup>	With days away from work <sup>2</sup>	without lost workdays	associated with repeated trauma
All industries including State and local government <sup>3</sup>	11.6	6.0	1.7	5.6	9.0
Private Industry <sup>3</sup>	11.0	5.8	1.5	5.2	8.8
Agriculture, forestry, and fishing <sup>3</sup>	( <sup>5</sup> )	( <sup>5</sup> )	(5)	( <sup>5</sup> )	( <sup>5</sup> )
Mining <sup>4</sup>		•••			***
Construction	0.1	0.1	0.1	0.1	( <sup>5</sup> )
Manufacturing Durable goods Nondurable goods	8.9 2.7 6.2	4.7 1.2 3.4	0.9 0.4 0.5	. 4.3 1.5 2.8	7.6 2.3 5.3
Transportation and public utilities4	0.3	0.1	0.1	0.2	0.2
Wholesale and retail trade Wholesale trade Retail trade	0.5 0.3 0.3	0.4 0.2 0.2	0.3  0.2	0.1 0.1 0.1	0.3 0.1 0.1
Finance, insurance, and real estate	0.1	( <sup>5</sup> )	( <sup>5</sup> )	0.1	0.1
Services .	0.9	0.4	0.1	0.4	0.6
State and local government	0.6	0.2	0.2	0.4	0.3
State government	0.3	0.1	0.1	0.2	0.2
Local government	0.3	0.1	0.1	0.1	0.1

<sup>&</sup>lt;sup>1</sup> Total lost workday cases involve days way from work, or days of restricted work activity, or both.

Transportation. Independent mining contractors are excluded from the coal, metal, and nonmetal mining industries.

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

<sup>&</sup>lt;sup>2</sup> Days-away-from-work cases include those which result in days away from work with or without restricted work activity.

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

<sup>&</sup>lt;sup>4</sup> Data conforming to OSHA definitions for mining operators in coal, metal, and nonmetal mining and for employers in railroad transportation are provided to BLS by the Mine Safety and Health Administration, U.S. Department of Labor, and the Federal Railroad Administration, U.S. Department of

Fewer than 50 cases.

<sup>--</sup> Indicates data not available.

Table 5. Incidence rates' of nonfatal occupational injuries and illnesses by industry division and selected case types, 1996-1999

	1	Total	cases			•	ŧ	ost work	day cases	3						
Industry division						То	tal²		With	days aw	ay from v	ork <sup>3</sup>	Case	s without	lost work	days
	1996	1997	1998	1999	1996	1997	1998	1999	1996	1997	1998	1999	1996	1997	1998	1999
All industries including																<u> </u>
State and local government4	9.6	9.3	9.1	8.5	4.2	4.1	4.0	3.9	2.4	2.3	2.2	2.1	5.4	5.2	5.1	4.
Private industry*	9.8	9.8	9.3	8.7	4.4	4.4	4.2	4.1	2.4	2.4	2.2	2.1	5.4	5.4	5.1	4.
Agriculture, forestry, and fishing <sup>s</sup>	12.4	6.9	12.0	7.4	4.6	2.2	5.0	3.2	4.1	1.9	4.1	2.5	7.8	4.6	7.0	4.:
Construction Manufacturing	12.8	11.2	12.5		5.7	4.9	5.4	5.2	5.0	4.1	4.4	 4.3	7.1	 6.3	 7.0	4.
Durable goods	16.0 13.4	16.1 14.9	16.6 13.5	15.1 13.6	7.5 5.5	7.5	7.9	7.4	2.7	2.6	2.8	2.7	8.5	8.5	8.7	7.
Nondurable goods	19.7	17.8	20.9	17.2	10.2	6.0 9.8	5.7 10.9	5.7 9.9	2.6 2.9	2.8	2.8 2.8	2.5	7.9	8.9	7.8	8.
Transportation and public utilities <sup>5</sup>	7.8	8.8	7.2	8.9	4.2	4.3	4.3	4.9	2.4	2.2 3.3	2.5	3.0 2.6	9.5 3.6	8.0 4.5	10.0 2.9	7. 4.
Wholesale and retail trade Wholesale trade	8.2	8.2	7.1	7.2	3.3	3.5	2.6	3.0	2.3	2.5	1.8	1.9	4.9	4.7	4.5	4.
Retail trade	8.2 8.3	7.7 8.4	7.7	8.2	3.9	3.8	3.3	3.9	2.9	2.7	2.3	2.4	4.3	3.9	4.4	4.
Finance, insurance, and real estate	2.1	1.9	6.9 2.1	6.8 1.3	3.0 0.8	3.4	2.3	2.6	2.0	2.5	1.6	1.6	5.2	5.0	4.6	4.
Services	7.4	7.5	6.0	5.8	3.4	0.5 3.3	0.6 2.8	0.4 2.8	0.6 2.2	0.3 2.1	0.4 1.7	0.3 1.6	1.3 4.0	1.3 4.2	1.5 3.2	0.9 3.0
State and local government		6.1	7.4	7.5		2.1	2.5	2.6		1.7	2.0	2.1		4.0	4.9	4.9
State government			6.7	7.4			2.2	2.3			1.8	2.1	_		4.5	5.1
Local government	7.6	6.1	7.7	7.6	2.8	2.2	2.6	2.8	2.3	1.8	2.0	2.0	4.8	3.9	5.1	4.8

<sup>&</sup>lt;sup>1</sup> Incidence rates represent the number of injuries and illnesses per 100 full-time workers and were calculated as: (N/EH) x 200,000 where

N EH

= number of injuries and illnesses

Ln

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

200,000

= base for 100 equivalent full-time workers

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

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

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

Incidence rate is less than 0.05.

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

-- Indicates data not available.

<sup>&</sup>lt;sup>2</sup> Total lost workday cases involve days away from work, or days of restricted work activity, or both.

Days-away-from-work cases include those which result in days away from work with or without restricted work activity.

<sup>&</sup>lt;sup>5</sup> Data conforming to OSHA definitions for mining operators in coal, metal, and nonmetal mining

All Industries including   State and local government*   1,411.7   8.5   3.9   2.1   4.6   7.5   3.4   2.0   4.5   7.5   3.4   2.0   4.5   7.5   3.4   2.0   4.5   7.5   3.4   2.0   4.5   7.5   3.4   2.0   4.5   7.5   3.4   2.0   4.5   7.5   3.4   2.0   4.5   7.5   3.4   2.0   4.5   7.5   3.4   2.0   4.5   7.5   3.4   2.0   4.5   7.5   3.4   2.0   4.5   7.5   3.4   2.0   4.5   7.5   3.4   2.0   4.5   7.5   3.4   2.0   4.5   7.5   3.4   2.0   4.5   7.5   3.4   2.0   4.5   7.5   3.4   2.0   4.5   7.5   3.4   2.0   4.5   7.5   3.4   2.0   4.5   7.5   3.5   2.0   4.5   7.5   3.5   2.0   4.5   7.5   3.5   2.0   4.5   7.5   3.0   3.5   7.5   3.0   3.5   7.5   3.0   3.5   7.5   3.0   3.5   7.5   3.5	7				njuries ar	nd Ilinesse	es .		Inju	uries	
Code	Industry?	SIC	Annual		•	ses			i	•	Cases
State and local government*		code <sup>3</sup>	ment <sup>4</sup>		Total⁵	days away from	lost work-		Total <sup>5</sup>	days away from	without lost work- days
Private Industry'  1.211.9 8.7 4.1 2.1 4.6 7.6 3.6 2.0  Agriculture, forestry, and fishing'  18.3 7.4 3.2 2.5 4.2 7.1 3.2 2.5  Agricultural services  07 8.8 7.6 3.0 2.0 4.6 7.2 3.0 2.0  Construction  65.0 9.9 5.2 4.3 4.7 9.7 5.0 4.1  General building contractors Federical building construction  15 16.2 9.0 4.3 3.3 7. 7.3 3.7 3.0 3.7 7.3 3.7 3.0 1.4  Heavy construction, except building 16 9.4 11.9 6.0 4.6 5.9 11.7 5.9 4.6  Special trade contractors 17 39.4 9.7 5.2 4.5 4.5 9.5 5.2 4.5  Electrical work Masonny, stonework, and plastering Miscellaneous special trade contractors 179 5.4 7.5 4.5 4.2 3.0 7.5 4.5 4.2  Manufacturing  260.8 15.1 7.4 2.7 7.7 11.7 5.6 2.4  Durable goods  153.8 13.6 5.7 2.5 8.0 11.9 4.9 2.3  Lumber and wood products Furniture and fixtures Slone, clay, and glass products 179 5.1 11.0 4.8 3.6 6.3 10.9 4.7 3.6 Fabricated metal products Furniture and fixtures 33 8.5 17.0 6.5 2.8 10.5 8.8 3.9 2.7  Partnary metal industries 33 8.5 17.0 6.5 2.8 10.5 2.8 10.5 10.5 10.5 10.7 10.8 11.9 4.9 2.3  Lumber and equipment 35 4.3 6.0 7.7 1.9 8.1 4.0 9.3 15.5 16.8 3.7 3.2 1.1 1.0 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2	All Industries including										
Private Industry	State and local government <sup>7</sup>		1,411.7	8.5	3.9	2.1	4.6	7.5	3.4	2.0	4.1
Agriculture, forestry, and fishing'  Agriculture services  07 8.8 7.6 3.0 2.0 4.8 7.2 3.0 2.0  Construction  65.0 9.9 5.2 4.3 4.7 9.7 5.0 4.1  General buliding contractors Residential buliding construction 152 8.0 7.3 3.7 3.0 3.7 7.9 3.7 3.0  Special trade contractors 17 99.4 9.7 5.2 4.5 4.5 9.5 5.2 4.5  Heavy construction, except building 16 9.4 11.9 6.0 4.6 5.9 11.7 5.9 4.6  Special trade contractors 17 39.4 9.7 5.2 4.5 4.5 9.5 5.2 4.5  Heavy construction, except building 17 4 4.6 8.4 4.3 3.8 4.1 8.2 4.2 3.8  Miscellaneous special trade contractors 178 5.4 7.5 4.5 4.2 3.0 7.5 4.5 4.2  Manufacturing  260.8 15.1 7.4 2.7 7.7 11.7 5.6 2.4  Manufacturing  260.8 15.1 7.4 2.7 7.7 11.7 5.6 2.4  Lumber and wood products Furniture and fixtures 25 6.6 13.1 4.3 1.3 3.1 4.5 16.8 3.7 3.2  Lumber and wood products Furniture and fixtures 25 6.6 13.1 4.3 1.3 3.1 4.5 16.8 3.7 3.2  Concrete, uysum, and plaster products Primary metal industries 327 5.1 11.0 4.8 3.6 6.3 10.9 4.7 3.6  Fabricated metal products 327 5.1 11.0 4.8 3.6 6.3 10.9 4.7 3.6  Fabricated structural metal products Pathicated structural metal products 34 7.0 19.8 10.8 3.2 9.0 19.7 10.7 3.1 3.1  Construction and related machinery 353 12.1 14.4 6.6 2.7 7.7 13.0 5.8 2.2  Construction and service machinery 353 12.1 14.4 6.6 2.7 7.7 13.0 5.8 2.2  Construction and service machinery 353 12.1 14.4 6.6 2.7 7.7 10.9 4.5 1.7  Construction and service machinery 353 12.1 14.4 6.6 2.7 7.7 13.0 5.8 2.2  Construction and entated machinery 353 12.1 14.4 6.6 2.7 7.7 13.0 5.8 2.2  Construction and service machinery 354 3.8 12.4 4.0 2.4 8.5 10.1 11.1 16.8 7.8 3.4  Motor vehicle parts and accessories 3714 7.0 19.9 10.5 4.0 9.5 18.3 8.1  Motor vehicle parts and accessories 3714 7.0 19.9 10.5 4.0 9.5 18.3 8.1  Motor vehicle parts and accessories 3714 7.0 19.9 10.5 4.0 9.5 18.3 8.1  Motor vehicle products 20 25.9 33.4 19.1 3.2 14.2 15.9 9.6 2.4  Pouttry slauphweiting and processing 20 3.4 5.1 1.7 6.1 1.3 5.6 10.4 1.1 1.2 5.6  Pouttry slauphweiting and processing 20 4.5 1.7 6.1 1.3 5.6	Private Industry <sup>7</sup>		1,211.9	8.7	4.1	2.1	4.6	7.6	3.6		
Construction	Agriculture, forestry, and fishing <sup>7</sup>		18.3	7.4	3.2	2.5	4.2				4.0
Construction	Agricultural services	07	8.8	7.6							4.0
Seneral building contractors   15   16.2   9.0   4.3   3.3   4.7   8.7   4.0   2.9	Construction		65.0	9.9					1		
Residential building construction Heave construction, except building Special trade contractors 177 189, 49, 75, 24, 5 Electrical work 173 7, 198 3, 5, 3, 4 6, 39, 6 3, 5 17, 7, 5 17, 7 11, 7	General building contractors	15	j	1	1				- 1	ļ	4.7
Special trade contractors		152	8.0	7.3							4.7 3.7
Electrical work  Masonry, stonework, and plastering  Miscellaneous special trade contractors  179  260.8  15.1  7.4  260.8  15.1  7.4  27  7.7  11.7  5.6  2.4   Manufacturing  260.8  15.1  7.4  2.7  7.7  11.7  5.6  2.4   Durable goods  Lumber and wood products  Furniture and fixtures  25  6.6  13.1  3.1  3.8  3.1  3.1  3.9  3.7  3.2  1.2  1.3  1.3  1.3  1.3  1.3  1.3											5.8
Masonry, stonework, and plastering Miscellaneous special trade contractors         174         4.6         8.4         4.3         3.8         4.1         8.2         4.2           Manufacturing         260.8         15.1         7.4         2.7         7.7         11.7         5.6         2.4           Durable goods         153.8         13.6         5.7         2.5         8.0         11.9         4.9         2.3           Lumber and wood products         24         13.6         18.6         4.1         3.3         14.5         16.8         3.7         3.2           Furniture and fixtures         25         6.6         13.1         4.3         1.3         8.9         13.0         4.1         1.2           Stone, clay, and glass products         32         7.8         9.8         4.4         2.9         5.5         8.8         3.9         2.7           Concrete, qwsum, and plaster products         327         5.1         11.0         4.8         3.6         6.3         10.9         4.7         3.6           Fabricated structural metal products         34         20.7         17.4         8.1         4.0         9.3         15.9         6.1         2.6           Fabricated st			1								4.4
Miscellaneous special trade contractors 179 5.4 7.5 4.5 4.2 3.0 7.5 4.5 4.2 3.0 7.5 4.5 4.2 Manufacturing 260.8 15.1 7.4 2.7 7.7 11.7 5.6 2.4 Durable goods 153.8 13.6 5.7 2.5 8.0 11.9 4.9 2.3 Lumber and wood products 24 13.6 18.6 4.1 3.3 14.5 16.8 3.7 3.2 15 15.0 11.0 4.8 3.6 6.3 10.9 4.7 3.6 6.0 2.7 8.0 10.9 4.7 3.6 6.0 2.7 7.7 10.9 4.5 1.7 Construction and related machinery 353 10.1 13.6 12.2 5.1 2.0 7.0 10.9 4.5 1.7 Construction machinery 358 4.8 12.4 4.6 6.0 2.4 7.6 12.4 5.3 2.0 Metalworking machinery and equipment 36 18.2 9.0 4.5 1.3 1.3 8.9 13.0 1.9 1.9 7 10.7 10.9 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	Masonry, stonework, and plastering				,						6.1
Durable goods    153.8   13.6   5.7   2.5   8.0   11.9   4.9   2.3	Miscellaneous special trade contractors										4.0 3.0
Lumber and wood products Furniture and fixtures Stone, clay, and glass products Stone, clay, and glass sproducts Stone, and glass stone, stone	Manufacturing		260.8	15.1	7.4	2.7	7.7	11.7	5.6	2.4	6.1
Furniture and fixtures	Durable goods		153.8	13.6	5.7	2.5	8.0	11.9	4.9	2.3	7.0
Stone, clay, and glass products   32   7.8   9.8   4.4   2.9   5.5   8.8   3.9   2.7			4	- 1	4	3.3	14.5	16.8	3.7	3.2	13.1
Concrete, gypsum, and plaster products 327 5.1 11.0 4.8 3.6 6.3 10.9 4.7 3.6 Primary metal industries 33 8.5 17.0 6.5 2.8 10.5 15.9 6.1 2.6 Fabricated metal products 34 20.7 17.4 8.1 4.0 9.3 15.9 7.6 3.8 Fabricated structural metal products 34 7.0 19.8 10.8 3.2 9.0 19.7 10.7 3.1 industrial machinery and equipment 35 43.6 12.2 5.1 2.0 7.0 10.9 4.5 1.7 Construction and related machinery 353 12.1 14.4 6.6 2.7 7.7 13.0 5.8 2.2 Construction machinery 353 10.1 13.6 6.0 2.4 7.6 12.4 5.3 2.0 Metalworking machinery 354 3.8 12.4 4.0 2.4 8.5 10.4 3.0 1.9 7.6 Industrial machinery, n.e.c. 359 5.4 16.2 6.1 2.9 10.1 14.7 5.4 2.7 Electronic and other electric equipment 37 17.4 20.3 9.2 3.7 11.1 16.8 7.8 3.4 Motor vehicles and equipment 371 13.7 22.4 9.8 3.8 12.6 18.3 8.1 3.5 Motor vehicle parts and accessories 3714 7.0 19.9 10.5 4.0 9.5 16.3 7.9 3.5 Miscellaneous manufacturing industries 39 4.9 5.7 2.0 1.1 3.6 5.1 1.7 0.9 3.5 Meat products 20 50.9 22.7 13.0 3.2 9.7 12.8 7.6 2.7 5.5 Meat products 20 50.9 22.7 13.0 3.2 9.7 12.8 7.6 2.7 5.9 9.6 2.4 6.0 Poultry slaughtering and processing 2015 2.9 11.7 6.1 1.3 5.6 10.4 5.1 1.2 5.1 2.9 Electronic and other prepared meats 2013 4.5 16.4 8.6 3.8 7.7 13.8 6.9 3.4 6.9 2.7 13.0 2.0 3.4 19.1 3.2 14.2 15.9 9.6 2.4 6.0 2.7 1.0 2.4 2.4 2.4 2.4 2.4 2.4 2.4 2.4 2.4 2.4	<b>\</b> _										8.9
Primary metal industries 33 8.5 17.0 6.5 2.8 10.5 15.9 6.1 2.6 Fabricated metal products 34 20.7 17.4 8.1 4.0 9.3 15.9 7.6 3.8 Fabricated structural metal products 34 7.0 19.8 10.8 3.2 9.0 19.7 10.7 3.1 industrial machinery and equipment 35 43.6 12.2 5.1 2.0 7.0 10.9 -4.5 1.7 Construction and related machinery 353 12.1 14.4 6.6 2.7 7.7 13.0 5.8 2.2 Construction machinery 353 12.1 14.4 6.6 2.7 7.7 13.0 5.8 2.2 Construction machinery 353 10.1 13.6 6.0 2.4 7.6 12.4 5.3 2.0 Metalworking machinery 354 3.8 12.4 4.0 2.4 8.5 10.4 3.0 1.9 Refrigeration and service machinery 358 4.8 16.9 6.1 1.7 10.8 15.5 5.5 1.3 industrial machinery, n.e.c. 359 5.4 16.2 6.1 2.9 10.1 14.7 5.4 2.7 Electronic and other electric equipment 36 18.2 9.0 4.5 1.3 4.5 6.0 2.7 1.0 5.5 Motor vehicles and equipment 371 13.7 22.4 9.8 3.8 12.6 18.3 8.1 3.5 10.5 Miscellaneous manufacturing industries 39 4.9 5.7 2.0 1.1 3.6 5.1 1.7 0.9 Sincellaneous manufacturing industries 20 50.9 22.7 13.0 3.2 9.7 12.8 7.6 2.7 5.5 Meat products 20 50.9 22.7 13.0 3.2 9.7 12.8 7.6 2.7 5.5 Meat products 201 25.9 33.4 19.1 3.2 14.2 15.9 9.6 2.4 6.0 Poultry slaughtering and processing 2015 2.9 11.7 6.1 1.3 5.6 10.4 5.1 1.2 5.5 1.2 5.1 1.2 5.	· · · · · · · · · · · · · · · · · · ·					1					4.9
Fabricated metal products 34 20.7 17.4 8.1 4.0 9.3 15.9 7.6 3.8 Fabricated structural metal products 344 7.0 19.8 10.8 3.2 9.0 19.7 10.7 3.1 Industrial machinery and equipment 35 43.6 12.2 5.1 2.0 7.0 10.9 4.5 1.7 Construction and related machinery 353 12.1 14.4 6.6 2.7 7.7 13.0 5.8 2.2 5.1 2.0 Metalworking machinery 3531 10.1 13.6 6.0 2.4 7.6 12.4 5.3 2.0 Metalworking machinery 354 3.8 12.4 4.0 2.4 8.5 10.4 3.0 1.9 Refrigeration and service machinery 358 4.8 16.9 6.1 1.7 10.8 15.5 5.5 1.3 Industrial machinery, n.e.c. 359 5.4 16.2 6.1 2.9 10.1 14.7 5.4 2.7 Electronic and other electric equipment 37 17.4 20.3 9.2 3.7 11.1 16.8 7.8 3.4 Motor vehicles and equipment 37 13.7 22.4 9.8 3.8 12.6 18.3 8.1 3.5 10 Motor vehicle parts and accessories 3714 7.0 19.9 10.5 4.0 9.5 16.3 7.9 3.5 8 Miscellaneous manufacturing industries 39 4.9 5.7 2.0 1.1 3.6 5.1 1.7 0.9 3.5 Meat products 20 50.9 22.7 13.0 3.2 9.7 12.8 7.6 2.7 5.5 Sausages and other prepared meats 2013 4.5 16.4 8.6 3.8 7.7 13.8 6.9 3.4 6.9 Poultry slaughtering and processing 2015 2.9 11.7 6.1 13.3 5.6 10.4 5.1 1.2 5.5 1.2 12.2 5.1 1.2 1.2 5.1 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1											6.2
Fabricated structural metal products   344   7.0   19.8   10.8   3.2   9.0   19.7   10.7   3.1   Industrial machinery and equipment   35   43.6   12.2   5.1   2.0   7.0   10.9   -4.5   1.7   6.1   6.6   2.7   7.7   13.0   5.8   2.2   7.5   7.7   7.5											9.8
Industrial machinery and equipment 35 43.6 12.2 5.1 2.0 7.0 10.9 - 4.5 1.7 Construction and related machinery 353 12.1 14.4 6.6 2.7 7.7 13.0 5.8 2.2 5.1 2.0 Metalworking machinery 353 10.1 13.6 6.0 2.4 7.6 12.4 5.3 2.0 7.0 Metalworking machinery 358 4.8 10.4 4.0 2.4 8.5 10.4 3.0 1.9 7.0 Metalworking machinery 358 4.8 16.9 6.1 1.7 10.8 15.5 5.5 1.3 Industrial machinery, n.e.c. 359 5.4 16.2 6.1 2.9 10.1 14.7 5.4 2.7 Electronic and other electric equipment 36 18.2 9.0 4.5 1.3 4.5 6.0 2.7 1.0 3.0 1.9 7.0 Motor vehicle parts and accessories 3714 7.0 19.9 10.5 4.0 9.5 16.3 7.9 3.5 8.0 Miscellaneous manufacturing industries 39 4.9 5.7 2.0 1.1 3.6 5.1 1.7 0.9 3.5 Meat products 20 50.9 22.7 13.0 3.2 9.7 12.8 7.6 2.7 Meat products 20 17.0 17.2 9.9 3.0 7.3 11.4 6.7 2.6 Meat products 20 17.0 18.5 40.6 23.6 3.3 17.1 17.2 11.0 2.4 6.9 Poultry slaughtering and processing 2015 2.9 11.7 6.1 1.3 5.6 10.4 5.1 1.2 5.5 5.1 1.2 Dejay conducts		1 1									8.3 9.0
Construction and related machinery Construction machinery Sasal 12.1 14.4 6.6 2.7 7.7 13.0 5.8 2.2 7.7 13.0 2.2 7.7 13.0 2.2 7.7 13.0 2.2 7.7 13.0 2.2 7.7 13.0 2.2 7.7 13.0 2.2 7.7 13.0 2.2 7.7 13.0 2.2 7.7 13.0 2.2 7.7 13.0 2.4 6.7 2.5 7.7 13.0 2.4 6.9 2.2	• • • • • • • • • • • • • • • • • • • •			12.2		1	,				6.4
Metalworking machinery       354       3.8       12.4       4.0       2.4       8.5       10.4       3.0       1.9       7         Refrigeration and service machinery       358       4.8       16.9       6.1       1.7       10.8       15.5       5.5       1.3       10         Industrial machinery, n.e.c.       359       5.4       16.2       6.1       2.9       10.1       14.7       5.4       2.7       5         Electronic and other electric equipment       36       18.2       9.0       4.5       1.3       4.5       6.0       2.7       1.0       3         Transportation equipment       371       13.7       22.4       9.8       3.8       12.6       18.3       8.1       3.5       10         Motor vehicles and equipment       371       13.7       22.4       9.8       3.8       12.6       18.3       8.1       3.5       10         Misceilaneous manufacturing industries       3714       7.0       19.9       10.5       4.0       9.5       16.3       7.9       3.5       8         Nondurable goods       107.0       17.2       9.9       3.0       7.3       11.4       6.7       2.6       4							7.7				7.2
Refrigeration and service machinery 358 4.8 16.9 6.1 1.7 10.8 15.5 5.5 1.3 10 10 10 11 14.7 5.4 2.7 Electronic and other electric equipment 36 18.2 9.0 4.5 1.3 4.5 6.0 2.7 1.0 37 17.4 20.3 9.2 3.7 11.1 16.8 7.8 3.4 Motor vehicles and equipment 37 17.4 20.3 9.2 3.7 11.1 16.8 7.8 3.4 Motor vehicle parts and accessories 3714 7.0 19.9 10.5 4.0 9.5 16.3 7.9 3.5 Miscellaneous manufacturing industries 39 4.9 5.7 2.0 1.1 3.6 5.1 1.7 0.9 3				-					5.3	2.0	7.1
Industrial machinery, n.e.c.   359   5.4   16.2   6.1   2.9   10.1   14.7   5.4   2.7   5.4   1.3   1.3   1.5   1.3   1.5	• • • • • • • • • • • • • • • • • • • •									1.9	7.4
Electronic and other electric equipment 36 18.2 9.0 4.5 1.3 4.5 6.0 2.7 1.0 37 17.4 20.3 9.2 3.7 11.1 16.8 7.8 3.4 5		,									10.0
Transportation equipment       37       17.4       20.3       9.2       3.7       11.1       16.8       7.8       3.4       9.8         Motor vehicles and equipment       371       13.7       22.4       9.8       3.8       12.6       18.3       8.1       3.5       10.8         Motor vehicle parts and accessories       3714       7.0       19.9       10.5       4.0       9.5       16.3       7.9       3.5       8.8         Misceilaneous manufacturing industries       39       4.9       5.7       2.0       1.1       3.6       5.1       1.7       0.9       3.5         Nondurable goods       107.0       17.2       9.9       3.0       7.3       11.4       6.7       2.6       4         Food and kindred products       20       50.9       22.7       13.0       3.2       9.7       12.8       7.6       2.7       5         Meat products       201       25.9       33.4       19.1       3.2       14.2       15.9       9.6       2.4       6         Meat packing plants       2011       18.5       40.6       23.6       3.3       17.1       17.2       11.0       2.4       6         Sausages and o					1				1	1	9.3
Motor vehicles and equipment       371       13.7       22.4       9.8       3.8       12.6       18.3       8.1       3.5       10.5         Motor vehicle parts and accessories       3714       7.0       19.9       10.5       4.0       9.5       16.3       7.9       3.5       8.1         Misceilaneous manufacturing industries       39       4.9       5.7       2.0       1.1       3.6       5.1       1.7       0.9       3         Nondurable goods       107.0       17.2       9.9       3.0       7.3       11.4       6.7       2.6       4         Food and kindred products       20       50.9       22.7       13.0       3.2       9.7       12.8       7.6       2.7       5         Meat products       201       25.9       33.4       19.1       3.2       14.2       15.9       9.6       2.4       6         Meat packing plants       2011       18.5       40.6       23.6       3.3       17.1       17.2       11.0       2.4       6         Sausages and other prepared meats       2013       4.5       16.4       8.6       3.8       7.7       13.8       6.9       3.4       6         Poilty pr		, ,		. 1							3.3 9.0
Miscellaneous manufacturing industries 3714 7.0 19.9 10.5 4.0 9.5 16.3 7.9 3.5 8   Miscellaneous manufacturing industries 39 4.9 5.7 2.0 1.1 3.6 5.1 1.7 0.9 3    Nondurable goods 107.0 17.2 9.9 3.0 7.3 11.4 6.7 2.6 4    Food and kindred products 20 50.9 22.7 13.0 3.2 9.7 12.8 7.6 2.7 5    Meat products 201 25.9 33.4 19.1 3.2 14.2 15.9 9.6 2.4 6    Meat packing plants 2011 18.5 40.6 23.6 3.3 17.1 17.2 11.0 2.4 6    Sausages and other prepared meats 2013 4.5 16.4 8.6 3.8 7.7 13.8 6.9 3.4 6    Poultry staughtering and processing 2015 2.9 11.7 6.1 1.3 5.6 10.4 5.1 1.2 5	Motor vehicles and equipment		13.7	22.4		1					10.2
Nondurable goods  107.0  17.2  9.9  3.0  7.3  11.4  6.7  2.6  4  Food and kindred products  Meat products  Meat packing plants  Sausages and other prepared meats  Poultry slaughtering and processing  Point products  20  50.9  22.7  13.0  3.2  9.7  12.8  7.6  2.7  5  4  6  2.7  5  4  6  2.7  5  6  2.7  5  6  2.7  5  6  2.7  5  6  2.7  5  6  2.7  5  6  2.7  5  6  2.7  5  6  2.7  5  6  2.7  5  6  2.7  5  6  2.7  5  6  2.7  6  2.8  6  7  7  13.8  6.9  3.4  6  7  13.8  6.9  3.4  6  7  13.8  6.9  10.4  10.5  10.4  10.5  10.4  10.5  10	Motor vehicle parts and accessories	4 ,		19.9	10.5	4.0	9.5	16.3			8.4
Food and kindred products  20 50.9 22.7 13.0 3.2 9.7 12.8 7.6 2.7 5  Meat products  201 25.9 33.4 19.1 3.2 14.2 15.9 9.6 2.4 6  Meat packing plants  201 18.5 40.6 23.6 3.3 17.1 17.2 11.0 2.4 6  Poultry slaughtering and processing  2013 4.5 16.4 8.6 3.8 7.7 13.8 6.9 3.4 6  Poultry slaughtering and processing  2015 2.9 11.7 6.1 1.3 5.6 10.4 5.1 1.2 5	Miscellaneous manufacturing industries	39	4.9	5.7	2.0	1.1	3.6	5.1	1.7	0.9	3.3
Meat products     201     25.9     33.4     19.1     3.2     14.2     15.9     9.6     2.4     6       Meat packing plants     2011     18.5     40.6     23.6     3.3     17.1     17.2     11.0     2.4     6       Sausages and other prepared meats     2013     4.5     16.4     8.6     3.8     7.7     13.8     6.9     3.4     6       Poultry slaughtering and processing     2015     2.9     11.7     6.1     1.3     5.6     10.4     5.1     1.2     5	Nondurable goods		107.0	17.2	9.9	3.0	7.3	11.4	6.7	2.6	4.7
Meat products     201     25.9     33.4     19.1     3.2     14.2     15.9     9.6     2.4     6       Meat packing plants     2011     18.5     40.6     23.6     3.3     17.1     17.2     11.0     2.4     6       Sausages and other prepared meats     2013     4.5     16.4     8.6     3.8     7.7     13.8     6.9     3.4     6       Poultry slaughtering and processing     2015     2.9     11.7     6.1     1.3     5.6     10.4     5.1     1.2     5	• • • • • • • • • • • • • • • • • • • •	20	50.9	22.7	13.0	3.2	9.7	12.8	7.6	2.7	5.2
Near packing plants 2011 18.5 40.6 23.6 3.3 17.1 17.2 11.0 2.4 6 Sausages and other prepared meats 2013 4.5 16.4 8.6 3.8 7.7 13.8 6.9 3.4 6 Poultry slaughtering and processing 2015 2.9 11.7 6.1 1.3 5.6 10.4 5.1 1.2 5	•		1			3.2		1			6.2
Poultry slaughtering and processing 2015 2.9 11.7 6.1 1.3 5.6 10.4 5.1 1.2 5		1				1		17.2	11.0		6.2
Dainy products											6.9
	Dairy products	2015	2.9 4.3	11.7 14.1	6.1) 8.7						5.3
Grain mill products 204 9.7 8.3 3.5 2.3 4.8 7.0 3.6 3.2 4.	Grain mill products										4.3
Apparel and other textile products 23 4.0 17.7 4.8 3.4 12.9 11.0 3.7 2.7											4.4 7.3
Paner and allied products	Paper and allied products							1			7.3 2.6

e footnotes at end of table.

Table 6. Incidence rates' of nonfatal occupational injuries and illnesses by industry and selected case types, 1999 -- Continued

Industry <sup>2</sup> Paperboard containers and boxes  Printing and publishing  Newspapers	SIC code <sup>3</sup> 265 27	1999 Annual average employ- ment <sup>4</sup> (000's)	Total cases		vorkday ses With days away	Cases without lost work-	Total cases		orkday ses With	Cases without
Paperboard containers and boxes Printing and publishing	265	employ- ment <sup>4</sup>		Totai⁵	days away	lost			With	without
Printing and publishing					from work <sup>6</sup>	days		Total <sup>5</sup>	days away from work <sup>6</sup>	lost work- days
•••		3.2	7.8	4.5	2.4	3.2	7.4	4.3	2.4	2.1
Newspapers		20.7	6.7	3.5	1.8	3.3	5.5	4.3 2.7	2.4 1.5	
	271	6.9	5.8	2.7	1.4	3.1	4.9	2.1	1.2	
Commercial printing	275	6.9	9.6	5.0	2.1	4.5	8.1	4.1	1.8	
Chemicals and allied products	28	7.4	5.3	3.5	1.4	1.8	4.0	2.4	0.9	
Rubber and miscellaneous plastics products	30	15.7	19.8	12.6	4.8	7.2	18.3	11.5	4.3	
Miscellaneous plastics products, n.e.c. Plastics products, n.e.c.	308	10.2	21.0	14.6	6.1	6.4	19.7	13.4	5.4	6.3
riasiles products, n.e.c.	3089	6.4	19.8	13.1	4.1	6.7	18.7	12.2	3.6	6.5
Transportation and public utilities <sup>a</sup>		68.5	8.9	4.9	2.6	4.0	8.4	4.7	2.5	3.8
Railroad transportation <sup>a</sup>	40		4.3	3.4	2.7	0.9	4.2	3.4	2.7	0.9
Trucking and warehousing	42	31.8	12.3	7.0	3.3	5.3	11.8	6.7	3.2	5.0
Trucking and courier services, except air	421	28.8	12.2	6.9	3.2	5.3	11.7	6.6	3.0	5.0 5.0
Communications	48	15.0	1.5	0.7	0.6	0.8	1.4	0.7	0.6	
Electric, gas, and sanitary services	49	9.5	7.5	3.2	2.4	4.3	6.5	3.2	2.4	
Vholesale and retail trade		357.2	7.2	3.0	1.9	4.2	7.0	2.8	1.8	4.2
Wholesale trade	1 1	85.5	8.2	3.9	2.4	4.3	7.8	3.6	2.2	4.2
Wholesale tradedurable goods	50	40.3	9.3	3.9	2.5	5.4	9.1	3.7	2.3	5.4
Wholesale tradenondurable goods	51	45.2	7.2	3.8	2.3	3.4	6.8			
Farm-product raw materials	515	8.9	7.2	3.4	2.8	3.8	7.0	3.6 3.2	2.2 2.6	3.2
Miscellaneous nondurable goods	519	18.0	5.4	2.1	1.4	3.4	5.1	2.0	1.3	3.8/ 3.1
Retail trade		271.7	6.8	2.6	1.6	4.2	6.7	2.5	1.5	4.1
Building materials and garden supplies	52	14.1	8.0	4.3						
Lumber and other building materials	521	8.5	9.4	4.2 6.0	2.9 4.0	3.7	7.9	4.1	2.9	3.7
General merchandise stores	53	34.6	10.5	4.9	1.8	3.4 5.6	9.3 10.3	- 5.9	3.9	3.4
Department stores	531	30.4	11.1	5.2	1.8	5.8	10.3	4.8 5.0	1.6	5.6
Food stores	54	44.4	7.6	2.7	2.1	4.9	7.5	2.7	1.6 2.1	5.8 4.8
Automotive dealers and service stations	55	38.0	6.4	2.2	1.9	4.2	6.3	2.1	1.8	4.6 4.2
New and used car dealers	551	13.5	7.5	2.1	1.8	5.4	7.5	2.1	1.8	5.4
Gasoline service stations	554	17.7	5.9	2.3	2.0	3.6	5.7	2.1	1.8	3.6
Apparel and accessory stores	56	10.1	2.4	1.4	0.7	1.0	2.4	1.4	0.7	1.0
Furniture and homefurnishings stores Eating and drinking places	57	11.4	3.0	1.4	0.9	1.6	3.0	1.4	0.9	1.6
Miscellaneous retail	58	90.0	7.0	2.0	1.4	4.9	6.9	1.9	1.3	4.9
	59	29.0	4.1	2.0	1.0	2,1	3.8	1.8	0.9	2.0
inance, insurance, and real estate		84.7	1.3	0.4	0.3	0.9	1.1	0.4	0.3	0.7
Insurance carriers	63	26.4	1.3	0.3	0.2	0.9	0.8	0.2	0.2	0.6
ervices		355.4	5.8	2.8	1.6	3.0	5.5	2.6	1.6	2.8
Hotels and other lodging places	70	13.9	10.7	3.9	2.7	6 0	10.5			
Personal services	72	13.1	3.2	1.3	0.6	6.8 1.9	10.5 3.0	3.9 1.2	2.7	6.6
Business services	73	77.8	2.7	1.2	0.8	1.5	2.4	1.0	0.5 0.7	1.9 1.4
Auto repair, services, and parking	75	12.2	7.8	4.1	2.8	3.7	7.1	3.5	2.6	3.6

\_

Table 6. Incidence rates' of nonfatal occupational injuries and illnesses by industry and selected case types, 1999 -- Continued

#### low

\	SIC code <sup>3</sup>	1999 Annual average employ- ment <sup>4</sup> (000's)	Injuries and Illnesses				Injuries				
Industry <sup>2</sup> .				Lost workday cases		Cases		Lost workday cases		Cases	
muusiry			Total cases	Totai <sup>5</sup>	With days away from work <sup>6</sup>	without lost work- days	Total cases	Total <sup>5</sup>	With days away from work <sup>6</sup>	without lost work- days	
Amusement and recreation services	79	23.7	8.8	4.8		4.0	8.7	4.7	2.5	3.9	
Health services	80	114.9	7.9		2.3	3.9		3.8			
Nursing and personal care facilities	805	36.2	12.8		5.2	5.0	12.5				
Hospitals	806	39.0	8.6	4.3	2.0	4.3	7.3	3.7	1.9		
Educational services	82	18.7	2.3	1.0	0.7	1.3	2.1	0.9	0.7	1.2	
Social services	83	34.7	8.1	3.8	1.7	4.3	8.1	3.8	1.7	4.3	
Membership organizations	86	10.7	3.0	1.1	0.7	1.9	2.6	0.8	0.5	1.8	
Engineering and management services	87	18.3	1.9	0.5	0.3	1.4	1.8	0.5	0.3	1.3	
State and local government		199.8	7.5	2.6	2.1	4.9	7.1	2.5	1.9	4.6	
State government		47.6	7.4	2.3	2.1	5.1	6.7	2.2	2.0	4.5	
Services		28.5	7.9	2.0	1.9	5.9	7.1	1.9	1.8	5.2	
Local government		152.2	7.6	2.8	2.0	4.8	7.3	2.7	1.9	4.7	
Services		102.2	5.6	1.8	1.3	3.8	5.5	1.8	1.2	3.7	
Educational services	82	87.8	5.0	1.5	1.1	3.5	4.9	1.4	1.0	3.5	
Public administration '				-						••	
Executive, legislative, and general Administration of human resources	91 94	40.8 4.5	12.5 1.9	5.1 0.6	3.9 0.6	7.4 1.3	12.0 1.9	4.9 0.6	3.6 0.6	7.1 1.2	

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

N

= number of injuries and illnesses

ЕН

= total hours worked by all employees during

the calendar year

200,000

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

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

NOTE: Because of rounding, components may not add to totals. n.e.c. = not elsewhere classified.

-- Indicates data not available.

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

<sup>&</sup>lt;sup>3</sup> Standard Industrial Classification Manual, 1987 Edition.

Employment is expressed as an annual average and is derived primarily from the BLS-State Covered Employment and Wages program.

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

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

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

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

Table 7. Number of nonfatal occupational injuries and illnesses by industry and selected case types, 1999

lows

	1								ries	ļ
Industry <sup>1</sup>	SIC	1999 Annual average			orkday ses	Cases without		ı	orkday ses	Cases
,	code <sup>2</sup>	employ- ment <sup>3</sup> (000's)	Total cases	Total <sup>4</sup>	With days away from work <sup>5</sup>	lost work- days	Total cases	Total⁴	With days away from work <sup>5</sup>	lost work- days
III Industries including										
State and local government <sup>6</sup>		1,411.7	99.7	46.0	24.6	53.7	88.1	40.0	22.9	48.1
Private Industry <sup>6</sup>		1,211.9	87.7	41.8	21.3	45.9	76.7	36.0		40.7
Agriculture, forestry, and fishing <sup>6</sup>		18.3	0.8	0.4	0.3	0.5	0.8	0.4	0.3	0.4
Agricultural services	07	8.8	0.5	0.2	0.1	0.3	0.5	0.2	0.1	0.3
Construction		65.0	5.9	3.1	2.5	2.8	5.8	3.0	2.5	2.8
General building contractors	15	16.2	1.3	0.6	0.5	0.7	1.2	0.6	0.4	
Residential building construction	152	8.0		0.2	0.2	0.2	0.5	0.8	0.4	0.7 0.2
Heavy construction, except building Special trade contractors	16 17	9.4	1.1	0.6	0.4	0.6	1.1	0.6	0.4	0.5
Electrical work	173	39.4 7.1	3.5 0.6	1.9 0.2	1.6 0.2	1.6 0.4	3.4	1.9	1.6	1.6
Masonry, stonework, and plastering	174	4.6	0.4	0.2	0.2	0.4	0.6 0.4	0.2 0.2	0.2 0.2	0.4 0.2
Miscellaneous special trade contractors	179	5.4	0.4	0.2	0.2	0.1	0.4	0.2	0.2	0.2
Manufacturing		260.8	39.1	19.2	7.1	20.0	30.2	14.5	6.2	15.7
Durable goods		153.8	20.8	8.6	3.9	12.1	18.1	7.4	3.5	10.7
Lumber and wood products	24	13.6	2.5	0.5	0.4	1.9	2.2	0.5	0.4	1.7
Furniture and fixtures	25 32	6.6	0.9	0.3	0.1	0.6	0.9	0.3	0.1	0.6
Stone, clay, and glass products Concrete, gypsum, and plaster products	32	7.8	0.8	0.3	0.2	0.4	0.7	0.3	0.2	0.4
Primary metal industries	327	5.1	0.6	0.3	0.2	0.3	0.6	0.2	0.2	0.3
Fabricated metal products	33	8.5 20.7	1.5	0.6	0.3	0.9	1.4	0.5	0.2	0.9
Fabricated structural metal products	344	7.0	3.6 1.4	1.7 0.8	0.8 0.2	1.9	3.3	1.6	0.8	1.7
Industrial machinery and equipment	35	43.6	5.1	2.1	0.8	0.6 2.9	1.4 4.5	0.8 1.9	0.2 0.7	0.6 2.7
Construction and related machinery	353	12.1	1.6	0.7	0.3	0.9	1.4	0.6	0.7	0.8
Construction machinery	3531	10.1	1.2	0.6	0.2	0.7	1.1	0.5	0.2	0.7
Metalworking machinery Refrigeration and service machinery	354	3.8	0.5	0.2	0.1	0.3	0.4	0.1	0.1	0.3
Industrial machinery, n.e.c.	358 359	4.8 5.4	0.8	0.3	0.1	0.5	0.7	0.3	0.1	0.5
Electronic and other electric equipment	36	18.2	0.9 2.4	0.3 1.2	0.2 0.4	0.5	0.8	0.3	0.1	0.5
Transportation equipment	37	17.4	3.5	1.6	0.4	1.2 1.9	1.6 2.9	0.7	0.3	0.9
Motor vehicles and equipment	371	13.7	3.0	1.3	0.5	1.7	2.5	1.3 1.1	0.6 0.5	1.5 1.4
Motor vehicle parts and accessories Miscellaneous manufacturing industries	3714 39	7.0 4.9	1.3 0.3	0.7 0.1	0.3 0.1	0.6 0.2	1.1	0.5	0.2	0.6
Nondurable goods		107.0	18.4	10.5	3.2	7.8	0.2	7.1	(°) 2.7	0.2 5.0
Food and kindred products	20	50.9	12.2	7.0		I			i	
Meat products	201	25.9	9.4	5.4	1.7 0.9	5.2 4.0	6.9 4.5	4.1 2.7	1.4 0.7	2.8 1.8
Meat packing plants	2011	18.5	8.3	4.8	0.7	3.5	3.5	2.2	0.7	1.8
Sausages and other prepared meats	2013	4.5	0.8	0.4	0.2	0.4	0.7	0.3	0.3	0.3
Poultry slaughtering and processing Dairy products	2015	2.9	0.4	0.2	(6)	0.2	0.3	0.2	(8)	0.2
Grain mill products	202	4.3	0.7	0.4	0.2	0.3	0.5	0.3	0.1	0.2
Apparel and other textile products	204 23	9.7 4.0	0.8 0.6	0.4	0.2	0.5	0.8	0.3	0.2	0.4
Paper and allied products	26	6.3	0.5	0.2 0.3	0.1 0.1	0.4 0.2	0.4 0.5	0.1 0.3	0.1 0.1	0.3 0.2

Table 7. Number of nonfatal occupational injuries and illnesses by industry and selected case types, 1999 -- Continued

lowa

			ı	njuries an	d Illnesse	s	Injuries				
	SIC	1999 Annual average		Lost workday cases		Cases		Lost workday cases		Cases	
Industry <sup>1</sup>	code <sup>2</sup>	employ- ment <sup>3</sup> (000's)	Total cases	Total⁴	With days away from work <sup>5</sup>	without lost work- days	Total cases	Total⁴	With days away from work <sup>5</sup>	without lost work- days	
Paperboard containers and boxes Printing and publishing Newspapers Commercial printing Chemicals and allied products Rubber and miscellaneous plastics products Miscellaneous plastics products, n.e.c. Plastics products, n.e.c.	265 27 271 275 28 30 308 3089	20.7 6.9 6.9 7.4 15.7 10.2 6.4	0.3 1.2 0.3 0.6 0.4 3.1 2.1	0.1 0.6 0.1 0.3 0.3 2.0 1.5	0.1 0.3 0.1 0.1 0.1 0.8 0.6	0.1 0.6 0.2 0.3 0.1 1.1 0.6	0.2 1.0 0.3 0.5 0.3 2.9 2.0	0.1 0.5 0.1 0.3 0.2 1.8 1.3		0.1 0.5 0.1 0.3 0.1 1.1 0.6	
Transportation and public utilities7		68.5	6.2	3.4	1.9	2.8	5.9	3.3	1.8	2.7	
Railroad transportation? Trucking and warehousing Trucking and courier services, except air Communications Electric, gas, and sanitary services	40 42 421 48 49	 31.8 28.8 15.0 9.5	0.2 4.2 3.8 0.2 0.7	0.1 2.4 2.2 0.1 0.3	0.1 1.1 1.0 0.1 0.2	( <sup>8</sup> ) 1.8 1.7 0.1 0.4	0.2 4.0 3.7 0.2 0.6	0.1 2.3 2.1 0.1 0.3	0.1 1.1 1.0 0.1 0.2	( <sup>8</sup> ) 1.7 1.6 0.1 0.3	
Wholesale and retall trade		357.2	19.0	7.9	5.0	11.1	18.5	7.5	4.6	11.0	
Wholesale trade		85.5	6.5	3.1	1.9	3.4	6.2	2.9	1.8	3.4	
Wholesale tradedurable goods	50	40.3	3.4	1.4	0.9	2.0	3.3	1.3	0.8	2.0	
Wholesale tradenondurable goods Farm-product raw materials Miscellaneous nondurable goods	51 515 519	45.2 8.9 18.0	3.1 0.6 0.9	1.6 0.3 0.3	1.0 0.2 0.2	1.4 0.3 0.6	2.9 0.6 0.8	1.5 0.3 0.3	0.9 0.2 0.2	1.4 0.3 0.5	
Retail trade		271.7	12.5	4.8	3.0	7.7	12.3	4.6	2.9	7.6	
Building materials and garden supplies Lumber and other building materials General merchandise stores Department stores Food stores Automotive dealers and service stations New and used car dealers Gasoline service stations Apparel and accessory stores Furniture and homefurnishings stores Eating and drinking places Miscellaneous retail	52 521 531 531 54 55 551 554 56 57 58	14.1 8.5 34.6 30.4 44.4 38.0 13.5 17.7 10.1 11.4 90.0 29.0	0.9 0.7 2.6 2.4 1.9 2.1 1.0 0.8 0.1 0.3 3.8 0.8	0.5 0.4 1.2 1.1 0.7 0.7 0.3 0.3 0.1 0.1 1.1	0.3 0.4 0.4 0.5 0.6 0.2 0.3 (*) 0.1	0.4 0.2 1.4 1.3 1.2 1.4 0.7 0.5 0.1 0.1 2.7	0.9 0.7 2.5 2.3 1.9 2.1 1.0 0.8 0.1 0.3 3.7	0.5 - 0.4 1.2 1.1 0.7 0.3 0.3 0.1 0.1 1.0	0.3 0.3 0.4 0.3 0.5 0.6 0.2 0.2 (*) 0.1 0.7 0.2	0.4 0.2 1.4 1.2 1.2 1.4 0.7 0.5 0.1 0.1 2.6 0.4	
Finance, insurance, and real estate		84.7	1.0	0.3	0.3	0.7	0.9	0.3	0.2	0.6	
Insurance carriers	63	26.4	0.3	0.1	0.1	0.2	0.2	0.1	(4)	0.2	
Services		355.4	15.5	7.5	4.3	8.0	14.6	7.0	4.2	7.6	
Hotels and other lodging places Personal services Business services Auto repair, services, and parking See footnotes at end of table.	70 72 73 75	13.9 13.1 77.8 12.2	1.0 0.3 1.6 0.8	0.4 0.1 0.7 0.4	0.2 0.1 0.4 0.3	0.6 0.2 0.9 0.4	1.0 0.3 1.4 0.7	0.4 0.1 0.6 0.4	0.2 (*) 0.4 0.3	0.6 0.2 0.8 0.4	
· · · · · · · · · · · · · · · · · · ·											

lowa

Industry <sup>1</sup>	SIC code <sup>2</sup>	1999 Annual average employ- ment <sup>3</sup> (000's)	1	njuries ar	nd Illnesse	s	Injuries			1
			Total cases	Lost workday cases		Cases		Lost workday cases		Cases
				Total⁴	With days away from work <sup>5</sup>	without lost work- days	Total cases	Total⁴	With days away from work <sup>5</sup>	without lost work- days
Amusement and recreation services	79		1.4	0.7	0.4	0.6	1.3	0.7	0.4	0.6
Health services	80		7.0	3.6			6.5			
Nursing and personal care facilities	805		3.2	2.0		1.2	3.1			
Hospitals	806		2.7	1.4	0.6	1.4	2.3			
Educational services	82	18.7	0.3	0.1	0.1	0.2	0.3			
Social services	83		2.2	1.0	0.5		2.2		,	•••
Membership organizations	86	10.7	0.2	0.1	(*)	0.1	0.2			0.1
Engineering and management services	87	18.3	0.3	0.1	0.1	0.2	0.3			0.1
State and local government		199.8	12.0	4.2	3.3	7.8	11.4	4.0	3.1	7.4
State government		47.6	3.6	1.1	1.0	2.5	3.3	1.0	1.0	2.2
Services		28.5	2.6	0.7	0.6	1.9	2.3	0.6	0.6	1,7
Local government		152.2	8.4	3.1	2.3	5.3	8,1	2.9	2.1	5.2
Services		102.2	4.0	1.3	0.9	2.7	3.9	1.3	0.9	2.6
Educational services	82	87.8	3.0	0.9	0.7	2.1	3.0	0.8	0.6	2.1
Public administration '	·							_	_	••
Executive, legislative, and general Administration of human resources	91 94	40.8 4.5	4.0 0.1	1.6	1.2	2.4 ( <sup>8</sup> )	3.8 0.1	1.5	1.1	2.3 (°)

<sup>&#</sup>x27; Totals include data for industries not shown separately.

mining contractors are excluded from the coal, metal, and nonmetal mining industries.

NOTE: Because of rounding, components may not add to totals. n.e.c. = not elsewhere classified.

<sup>&</sup>lt;sup>2</sup> Standard Industrial Classification Manual, 1987 Edition.

<sup>&</sup>lt;sup>3</sup> Employment is expressed as an annual average and is derived primarily from the BLS-State Covered Employment and Wages program.

Total lost workday cases involve days away from work, or days of restricted work activity, or both.

Days-away-from-work cases include those which result in days away from work with or without restricted work activity.

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

Data conforming to OSHA definitions for mining operators in coal, metal, and nonmetal mining and for employers in railroad transportation are provided to BLS by the Mine Safety and Health Administration, U.S. Department of Labor; and the Federal Railroad Administration, U.S. Department of Transportation. Independent

Fewer than 50 cases.

<sup>--</sup> Indicates data not available.