

Table 6. Incidence rates¹ of nonfatal occupational injuries and illnesses by industry and selected case types, 1998

Texas

Industry ²	SIC code ³	1998 Annual average employment ⁴ (000's)	Injuries and Illnesses				Injuries			
			Total cases	Lost workday cases		Cases without lost work-days	Total cases	Lost workday cases		Cases without lost work-days
				Total ⁵	With days away from work ⁶			Total ⁵	With days away from work ⁶	
Private Industry⁷		7,307.0	5.2	2.7	1.6	2.6	4.9	2.5	1.5	2.4
Agriculture, forestry, and fishing⁷		112.1	4.8	3.0	2.0	1.8	4.7	2.9	1.9	1.8
Agricultural production ⁷	01-02	48.6	7.2	4.7	2.6	2.5	7.0	4.6	2.5	2.5
Agricultural production - livestock ⁷	02	21.2	8.4	4.6	3.7	3.8	8.4	4.6	3.7	3.8
Agricultural services	07	62.2	3.8	2.2	1.8	1.5	3.6	2.1	1.7	1.5
Crop services	072	8.4	5.9	3.6	2.9	2.2	5.9	3.6	2.9	2.2
Landscape and horticultural services	078	31.8	4.0	2.6	2.0	1.4	3.9	2.5	1.8	1.4
Mining⁸		167.0	2.9	1.6	1.2	1.3	2.8	1.6	1.2	1.3
Oil and gas extraction	13	158.3	2.9	1.6	1.2	1.3	2.8	1.6	1.2	1.3
Crude petroleum and natural gas	131	71.8	0.8	0.2	0.2	0.6	0.7	0.2	0.2	0.5
Oil and gas field services	138	82.8	4.4	2.6	2.0	1.8	4.4	2.6	2.0	1.8
Construction		496.6	4.3	2.3	1.4	2.0	4.0	2.2	1.4	1.8
General building contractors	15	91.3	4.0	2.0	1.1	2.0	3.7	2.0	1.1	1.8
Heavy construction, except building	16	118.8	4.0	2.4	1.6	1.6	3.8	2.4	1.6	1.3
Special trade contractors	17	286.5	4.4	2.2	1.5	2.2	4.2	2.2	1.5	2.0
Manufacturing		1,109.6	8.2	4.4	2.0	3.8	7.3	4.0	1.8	3.3
Durable goods		674.3	8.4	4.5	2.1	4.0	7.8	4.2	1.9	3.7
Lumber and wood products	24	47.2	12.5	7.1	2.8	5.4	12.1	6.9	2.7	5.2
Millwork, plywood and structural members	243	21.5	8.1	3.7	2.3	4.4	7.9	3.6	2.2	4.3
Furniture and fixtures	25	19.1	10.2	5.7	2.1	4.5	9.3	5.2	2.0	4.2
Household furniture	251	6.9	8.1	5.5	2.0	2.7	7.4	5.0	1.9	2.4
Stone, clay, and glass products	32	42.7	13.0	7.5	4.1	5.5	12.4	7.2	3.9	5.2
Concrete, gypsum, and plaster products	327	20.5	14.2	7.8	4.4	6.4	13.8	7.6	4.2	6.2
Primary metal industries	33	31.0	13.8	7.3	2.4	6.5	13.4	7.1	2.3	6.3
Fabricated metal products	34	104.0	11.3	5.7	2.7	5.5	10.9	5.5	2.5	5.4
Fabricated structural metal products	344	54.3	13.4	6.1	3.0	7.3	13.2	6.0	2.8	7.2
Metal services, n.e.c.	347	7.0	7.6	4.7	1.6	2.9	6.8	4.5	1.5	2.4
Miscellaneous fabricated metal products	349	22.4	9.0	5.4	3.0	3.6	8.5	5.1	2.8	3.4
Industrial machinery and equipment	35	152.2	7.2	3.7	1.9	3.4	6.6	3.4	1.8	3.2
Construction and related machinery	353	43.3	7.6	3.4	2.3	4.1	7.3	3.3	2.2	3.9
Oil and gas field machinery	3533	32.5	5.7	3.1	1.9	2.6	5.4	3.0	1.9	2.4
General industrial machinery	356	11.8	11.8	6.7	2.7	5.0	11.3	6.5	2.5	4.8
Computer and office equipment	357	38.9	3.3	2.1	0.5	--	2.6	1.8	0.4	0.8
Electronic computers	3571	34.7	3.4	2.3	0.4	--	2.7	1.8	0.3	0.8
Refrigeration and service machinery	358	18.7	12.0	6.8	3.2	5.2	10.9	6.1	2.9	4.9
Industrial machinery, n.e.c.	359	22.7	7.0	3.5	2.2	3.5	6.7	3.2	2.0	3.5
Electronic and other electric equipment	36	132.3	3.6	1.8	0.8	1.7	2.9	1.6	0.7	1.4
Electronic components and accessories	367	72.8	2.5	1.2	0.7	1.3	2.0	1.0	0.6	0.9
Semiconductors and related devices	3674	47.3	2.1	0.8	0.5	1.3	1.5	0.7	0.4	0.8
Transportation equipment	37	83.4	9.9	5.0	2.5	4.9	8.9	4.5	2.3	4.4
Motor vehicles and equipment	371	18.7	12.7	6.4	3.8	6.3	12.0	6.2	3.6	5.8
Motor vehicles and car bodies	3711	5.4	19.2	11.0	5.6	8.1	17.6	10.4	5.3	7.2
Motor vehicle parts and accessories	3714	7.9	8.4	3.8	2.4	4.6	7.9	3.6	2.4	4.3
Aircraft and parts	372	45.3	8.1	4.0	2.2	4.1	6.8	3.5	1.9	3.3

See footnotes at end of table.

Table 6. Incidence rates¹ of nonfatal occupational injuries and illnesses by industry and selected case types, 1998 -- Continued

Texas

Industry ²	SIC code ³	1998 Annual average employment ⁴ (000's)	Injuries and Illnesses				Injuries			
			Total cases	Lost workday cases		Cases without lost work-days	Total cases	Lost workday cases		Cases without lost work-days
				Total ⁵	With days away from work ⁶			Total ⁵	With days away from work ⁶	
Aircraft	3721	27.9	6.1	3.2	1.3	2.9	4.9	2.8	1.1	2.1
Instruments and related products	38	41.5	4.0	1.7	0.7	2.3	3.0	1.3	0.6	1.6
Measuring and controlling devices	382	13.9	6.0	1.9	0.8	4.1	4.7	1.8	0.7	2.8
Medical instruments and supplies	384	14.3	4.0	2.7	0.8	1.4	2.7	1.6	0.6	1.1
Miscellaneous manufacturing industries	39	20.9	8.0	5.0	2.7	3.0	7.2	4.6	2.4	2.6
Nondurable goods		--	7.9	4.4	1.8	3.5	6.4	3.6	1.6	2.8
Food and kindred products	20	99.4	14.8	8.1	2.5	6.6	11.2	6.3	2.3	4.9
Meat products	201	34.3	25.4	12.8	2.4	12.6	16.4	8.2	2.0	8.1
Meat packing plants	2011	13.9	31.5	17.0	2.7	14.6	18.9	9.9	2.2	9.0
Sausages and other prepared meats	2013	8.3	12.6	7.7	3.3	5.0	10.2	6.5	2.8	3.7
Poultry slaughtering and processing	2015	12.2	26.4	11.0	1.4	15.3	17.5	7.4	1.1	10.1
Preserved fruits and vegetables	203	9.2	8.4	5.2	2.5	3.2	8.0	4.9	2.4	3.1
Grain mill products	204	6.9	6.7	2.8	1.5	3.9	6.4	2.8	1.5	3.6
Bakery products	205	9.5	11.5	7.1	2.4	4.4	10.9	6.6	2.3	4.3
Men's and boys' furnishings	232	23.2	13.3	5.5	2.7	7.8	8.3	3.6	1.5	4.7
Paper and allied products	26	29.7	6.4	4.1	2.0	2.3	6.0	3.8	1.8	2.2
Paperboard containers and boxes	265	11.0	7.5	5.0	2.0	2.5	6.7	4.4	1.6	2.4
Printing and publishing	27	76.9	4.4	2.4	1.6	1.9	3.9	2.2	1.4	1.7
Newspapers	271	21.8	3.7	2.2	1.6	1.6	3.2	2.0	1.4	1.2
Commercial printing	275	33.4	4.9	2.9	1.7	2.0	4.4	2.5	1.5	1.9
Chemicals and allied products	28	84.4	3.9	2.0	1.1	2.0	3.5	1.7	0.9	1.8
Industrial inorganic chemicals	281	6.9	4.5	2.7	1.5	1.8	4.5	2.7	1.5	1.8
Plastics materials and synthetics	282	12.2	2.4	0.9	0.4	1.4	2.3	0.9	0.4	1.4
Industrial organic chemicals	286	36.3	2.2	0.9	0.3	1.3	1.9	0.7	0.3	1.2
Petroleum and coal products	29	25.9	2.2	1.1	0.7	1.1	2.1	1.1	0.7	1.1
Petroleum refining	291	22.2	1.7	1.0	0.6	0.7	1.6	0.9	0.6	0.7
Transportation and public utilities⁸		527.0	7.0	4.4	3.3	2.6	6.6	4.2	3.0	2.4
Railroad transportation ⁸	40	--	3.1	2.5	2.0	0.6	3.0	2.4	2.0	0.6
Trucking and warehousing	42	133.0	8.5	5.4	3.7	3.2	8.4	5.3	3.6	3.1
Transportation by air	45	110.8	14.3	9.7	7.1	--	--	9.3	6.8	--
Freight transportation arrangement	473	19.7	2.5	1.2	1.0	1.3	2.4	1.2	1.0	1.2
Electric, gas, and sanitary services	49	70.9	4.6	2.5	1.4	2.1	4.4	2.5	1.3	1.9
Electric services	491	31.2	4.9	2.3	1.1	2.6	4.5	2.2	1.0	2.3
Gas production and distribution	492	23.7	1.4	1.0	0.8	0.4	1.4	1.0	0.8	0.3
Sanitary services	495	12.2	10.3	6.3	3.3	4.0	10.2	6.2	3.3	4.0
Wholesale and retail trade		2,113.2	5.8	2.8	1.7	3.1	5.7	2.7	1.6	3.0
Wholesale trade		519.5	5.4	3.4	1.8	2.0	5.2	3.3	1.7	2.0
Wholesale trade--durable goods	50	330.8	4.4	2.7	1.5	1.7	4.3	2.6	1.4	1.7
Motor vehicles, parts, and supplies	501	33.2	7.8	4.0	2.6	3.8	7.6	3.9	2.5	3.7
Furniture and home furnishings	502	13.9	7.6	5.3	3.9	2.3	7.6	5.3	3.9	2.3
Lumber and construction materials	503	19.5	7.0	3.7	1.5	3.4	6.8	3.6	1.5	3.3
Professional and commercial equipment	504	75.4	1.2	0.7	0.7	0.5	1.1	0.7	0.6	0.4
Metals and minerals, except petroleum	505	13.7	7.8	4.9	2.5	2.9	7.6	4.8	2.3	2.8
Electrical goods	506	47.2	2.8	1.7	0.9	1.2	2.7	1.6	0.9	1.1
Hardware, plumbing and heating equipment	507	23.8	4.3	2.6	1.4	1.7	4.2	2.6	1.3	1.6

See footnotes at end of table.

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Machinery, equipment, and supplies	508	81.2	4.8	3.3	1.6	1.6	4.7	3.1	1.5	1.6
Miscellaneous durable goods	509	23.1	5.3	3.3	1.3	2.1	5.2	3.2	1.2	2.0
Wholesale trade--nondurable goods	51	188.7	7.1	4.7	2.3	2.5	6.9	4.5	2.1	2.4
Groceries and related products	514	66.7	10.2	7.5	2.8	2.8	10.2	7.4	2.7	2.8
Chemicals and allied products	516	15.5	6.0	3.7	1.7	2.4	5.9	3.5	1.6	2.4
Petroleum and petroleum products	517	16.7	4.7	2.9	2.4	1.8	4.6	2.8	2.3	1.8
Beer, wine, and distilled beverages	518	12.0	10.3	6.2	3.2	4.1	10.2	6.1	3.2	4.0
Retail trade		1,593.7	6.0	2.5	1.6	3.5	5.9	2.5	1.6	3.5
Building materials and garden supplies	52	61.1	6.3	4.0	2.0	2.3	6.2	4.0	2.0	2.2
Lumber and other building materials	521	36.1	7.7	5.2	2.7	2.4	7.6	5.2	2.6	2.4
Hardware stores	525	9.3	9.5	5.3	1.9	4.2	9.4	5.2	1.8	4.2
Retail nurseries and garden stores	526	6.1	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)
General merchandise stores	53	208.3	9.3	4.8	2.8	4.5	9.2	4.7	2.7	4.5
Department stores	531	185.9	9.6	5.0	2.8	4.7	9.5	4.9	2.7	4.7
Variety stores	533	5.0	11.7	6.5	5.5	5.2	--	6.5	5.5	5.2
Miscellaneous general merchandise stores	539	17.4	4.6	1.9	1.7	2.7	4.6	1.9	1.7	2.7
Food stores	54	248.7	8.4	3.7	1.8	4.7	8.2	3.6	1.8	4.6
Grocery stores	541	231.4	8.8	3.8	1.8	5.1	8.6	3.7	1.7	5.0
Automotive dealers and service stations	55	164.7	5.0	2.1	1.5	3.0	5.0	2.0	1.4	3.0
Auto and home supply stores	553	35.1	6.7	3.1	2.3	3.6	6.7	3.0	2.3	3.6
Gasoline service stations	554	34.1	4.6	2.5	1.5	2.1	4.6	2.5	1.5	2.1
Apparel and accessory stores	56	82.1	2.2	0.7	0.5	1.5	2.2	0.7	0.5	1.5
Women's clothing stores	562	16.2	0.5	(⁹)	(⁹)	0.5	0.5	(⁹)	(⁹)	0.5
Shoe stores	566	14.9	0.8	(⁹)	(⁹)	0.8	0.7	(⁹)	(⁹)	0.7
Furniture and homefurnishings stores	57	71.5	3.6	2.0	1.3	1.5	3.5	2.0	1.3	1.5
Furniture and homefurnishings stores	571	34.5	4.4	2.8	2.0	1.6	4.4	2.8	2.0	1.6
Household appliance stores	572	3.1	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)	(⁹)
Radio, television, and computer stores	573	33.9	3.1	1.4	0.7	1.7	3.0	1.3	0.6	1.7
Eating and drinking places	58	583.7	5.9	1.7	1.4	4.1	5.8	1.7	1.4	4.1
Eating and drinking places	581	583.7	5.9	1.7	1.4	4.1	5.8	1.7	1.4	4.1
Miscellaneous retail	59	173.6	3.0	1.4	1.0	1.6	2.9	1.3	1.0	1.5
Drug stores and proprietary stores	591	34.1	4.3	1.8	1.3	2.5	4.2	1.7	1.3	2.5
Miscellaneous shopping goods stores	594	66.7	3.3	1.7	1.3	1.6	3.1	1.6	1.2	1.5
Finance, insurance, and real estate		480.9	1.7	0.7	0.6	1.0	1.6	0.7	0.5	0.9
Depository institutions	60	125.6	1.5	0.4	0.3	1.1	1.4	0.3	0.2	1.1
Commercial banks	602	95.8	1.4	0.3	0.3	1.0	1.2	0.3	0.2	0.9
Insurance carriers	63	86.5	1.5	0.4	0.3	1.1	1.0	0.3	0.2	0.8
Insurance agents, brokers, and service	64	57.8	1.3	0.6	0.6	--	--	0.5	0.5	0.6
Real estate	65	115.7	3.2	1.9	1.6	1.2	3.1	1.9	1.6	1.2
Services		2,288.1	3.7	1.7	1.1	2.1	3.6	1.6	1.0	2.0
Hotels and other lodging places	70	92.1	5.9	2.8	1.6	3.1	5.5	2.6	1.5	2.9
Hotels and motels	701	89.1	5.9	2.8	1.6	3.2	5.6	2.6	1.5	2.9
Personal services	72	89.7	2.8	1.5	0.9	1.2	2.6	1.5	0.8	1.1
Laundry, cleaning, and garment services	721	38.9	3.8	2.5	1.1	1.4	3.7	2.4	1.0	1.3
Services to buildings	734	69.9	4.7	2.6	1.7	2.1	4.7	2.6	1.7	2.1

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Table 6. Incidence rates¹ of nonfatal occupational injuries and illnesses by industry and selected case types, 1998 -- Continued

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Industry ²	SIC code ³	1998 Annual average employment ⁴ (000's)	Injuries and Illnesses				Injuries			
			Total cases	Lost workday cases		Cases without lost work-days	Total cases	Lost workday cases		Cases without lost work-days
				Total ⁵	With days away from work ⁶			Total ⁵	With days away from work ⁶	
Auto repair, services, and parking	75	85.3	3.2	1.7	1.2	1.5	3.1	1.7	1.2	1.4
Automotive repair shops	753	44.4	1.7	1.0	0.9	0.7	1.7	1.0	0.9	0.7
Miscellaneous repair services	76	33.3	5.0	2.6	1.9	2.4	4.7	2.4	1.7	2.3
Motion pictures	78	32.4	2.5	1.7	1.7	0.8	2.2	1.4	1.4	0.8
Amusement and recreation services	79	87.5	5.0	1.9	0.9	3.0	4.7	1.9	0.9	2.8
Health services	80	683.7	5.5	2.4	1.4	3.1	5.3	2.4	1.3	2.9
Nursing and personal care facilities	805	101.0	9.8	5.3	2.5	4.5	9.7	5.2	2.5	4.4
Hospitals	806	230.9	7.7	3.2	1.8	4.5	7.4	3.2	1.8	4.2
Home health care services	808	128.5	3.0	1.6	1.2	1.4	2.7	1.4	1.0	1.3
Legal services	81	67.2	0.6	0.4	0.3	0.2	0.4	0.3	0.3	0.1
Legal services	811	67.2	0.6	0.4	0.3	0.2	0.4	0.3	0.3	0.1
Educational services	82	61.4	2.0	0.8	0.5	1.2	1.8	0.8	0.4	1.1
Elementary and secondary schools	821	12.5	1.6	0.3	(⁹)	--	--	0.3	(⁹)	--
Colleges and universities	822	31.0	2.8	1.3	0.9	1.6	--	1.2	0.8	1.3
Social services	83	129.2	4.2	1.9	1.2	2.2	4.1	1.9	1.2	2.2
Individual and family services	832	29.5	2.9	1.2	0.9	1.7	2.8	1.2	0.9	1.6
Child day care services	835	51.4	2.7	1.1	0.7	1.6	2.7	1.1	0.7	1.6
Membership organizations	86	44.2	2.9	0.8	0.8	2.0	2.5	0.8	0.7	1.8
Engineering and management services	87	231.8	1.4	0.6	0.4	0.8	1.2	0.5	0.4	0.7
Engineering and architectural services	871	86.5	1.2	0.3	0.3	0.8	1.0	0.3	0.3	0.6
Accounting, auditing, and bookkeeping	872	45.9	0.4	0.2	0.1	0.2	0.4	0.2	0.1	0.2
Research and testing services	873	32.0	2.7	1.1	0.5	1.6	2.5	1.1	0.4	1.5
Management and public relations	874	67.3	1.6	0.8	0.6	0.8	1.4	0.7	0.6	0.7

¹ 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).

² Totals include data for industries not shown separately.

³ *Standard Industrial Classification Manual*, 1987 Edition.

⁴ Employment is expressed as an annual average and is derived primarily from the BLS-State Covered Employment and Wages program. Employment in private households (SIC 88) is excluded.

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

⁶ Days-away-from-work cases include those which result in days away from

work with or without restricted work activity.

⁷ Excludes farms with fewer than 11 employees.

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

⁹ Incidence rate less than 0.05.

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

n.e.c. = not elsewhere classified.

-- Indicates data not available.

SOURCE: Bureau of Labor Statistics, U.S. Department of Labor, Survey of Occupational Injuries and Illnesses, in cooperation with participating State agencies.