

**Table 6. Incidence rates<sup>1</sup> of nonfatal occupational injuries and illnesses by industry and selected case types, 1999**

**Texas**

Industry <sup>2</sup>	SIC code <sup>3</sup>	1999 Annual average employment <sup>4</sup> (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 <sup>5</sup>	With days away from work <sup>6</sup>			Total <sup>5</sup>	With days away from work <sup>6</sup>	
<b>Private Industry<sup>7</sup></b>		7,505.0	5.0	2.8	1.7	2.3	4.8	2.6	1.6	2.1
<b>Agriculture, forestry, and fishing<sup>7</sup></b>		118.6	6.0	3.2	2.5	2.8	5.8	3.2	2.4	2.6
Agricultural production - livestock <sup>7</sup>	02	21.6	8.0	4.2	3.5	3.7	7.9	4.2	3.5	3.7
Agricultural services	07	68.0	5.6	3.3	2.5	2.4	5.4	3.2	2.4	2.2
Crop services	072	9.5	6.8	3.2	2.1	3.6	6.8	3.2	2.1	3.6
Landscape and horticultural services	078	35.2	6.2	3.3	2.4	2.8	5.8	3.2	2.4	2.5
<b>Mining<sup>8</sup></b>		146.8	3.0	1.6	1.2	1.4	2.8	1.5	1.1	1.3
Oil and gas extraction	13	137.8	2.9	1.6	1.2	1.4	2.8	1.4	1.1	1.3
Crude petroleum and natural gas	131	66.8	1.4	0.7	0.6	0.8	1.3	0.6	0.6	0.7
<b>Construction</b>		529.2	6.5	4.1	2.9	2.4	6.3	4.1	2.8	2.3
General building contractors	15	95.7	4.9	3.1	2.4	1.8	4.8	3.0	2.3	1.8
Heavy construction, except building	16	122.6	3.8	1.8	--	2.0	3.6	1.8	--	1.8
Special trade contractors	17	310.9	8.1	5.4	3.8	2.7	8.0	5.4	3.7	2.6
<b>Manufacturing</b>		1,085.7	7.3	3.9	1.8	3.4	6.4	3.4	1.6	3.0
Durable goods		--	7.0	3.7	1.8	3.4	6.5	3.3	1.6	3.1
Lumber and wood products	24	49.2	10.7	5.9	2.4	4.8	10.2	5.7	2.3	4.5
Millwork, plywood and structural members	243	22.1	10.2	5.6	2.7	4.6	9.7	5.4	2.5	4.3
Furniture and fixtures	25	20.5	8.5	5.0	1.8	3.5	7.9	4.6	1.6	3.3
Household furniture	251	7.3	5.3	3.3	1.9	2.0	4.8	2.9	1.7	1.9
Stone, clay, and glass products	32	45.4	7.9	4.0	1.5	4.0	7.6	3.7	1.5	3.9
Concrete, gypsum, and plaster products	327	22.7	8.3	4.5	2.1	3.8	8.0	4.3	2.1	3.7
Primary metal industries	33	30.3	7.6	4.0	1.6	3.6	7.3	3.9	1.6	3.4
Fabricated metal products	34	104.5	9.4	4.9	2.7	4.5	8.9	4.6	2.5	4.3
Fabricated structural metal products	344	56.6	11.4	5.7	2.7	5.7	10.8	5.3	2.5	5.6
Metal services, n.e.c.	347	7.3	4.5	2.1	1.7	2.4	4.4	2.1	1.7	2.3
Miscellaneous fabricated metal products	349	20.4	5.8	3.4	2.0	2.4	5.7	3.3	2.0	2.3
Industrial machinery and equipment	35	137.1	6.4	3.0	1.7	3.3	5.9	2.8	1.6	3.1
Construction and related machinery	353	36.1	7.1	3.0	1.7	4.1	6.9	2.9	1.7	4.0
Oil and gas field machinery	3533	25.7	5.9	2.6	1.4	3.3	5.9	2.6	1.4	3.3
Metalworking machinery	354	6.1	3.7	1.8	1.6	1.9	3.4	1.5	1.3	1.8
Computer and office equipment	357	34.8	3.6	1.9	0.9	1.7	2.8	1.6	0.7	1.2
Electronic computers	3571	30.9	3.5	1.7	0.5	1.8	2.8	1.4	0.4	1.3
Refrigeration and service machinery	358	19.4	9.3	5.3	3.3	4.1	8.5	4.8	2.9	3.8
Industrial machinery, n.e.c.	359	19.6	7.7	3.1	2.0	4.5	7.4	3.1	2.0	4.3
Electronic and other electric equipment	36	128.0	3.4	1.8	0.9	1.6	2.6	1.3	0.7	1.3
Electronic components and accessories	367	71.5	2.4	1.2	0.7	1.1	1.7	0.9	0.5	0.8
Semiconductors and related devices	3674	45.8	2.0	1.1	0.7	0.8	--	0.8	0.5	0.5
Miscellaneous electrical equipment and supplies	369	6.8	5.8	3.2	2.1	2.6	4.0	1.9	1.3	2.2
Transportation equipment	37	83.0	8.7	4.5	2.2	4.3	7.9	4.0	2.0	3.9
Motor vehicles and equipment	371	19.6	12.4	6.0	2.9	6.4	12.0	5.8	2.8	6.3
Motor vehicles and car bodies	3711	5.8	12.9	8.0	2.9	4.9	11.9	7.5	2.6	4.5
Motor vehicle parts and accessories	3714	8.0	10.7	2.7	1.9	--	10.6	2.6	1.8	--
Aircraft and parts	372	44.5	6.9	4.1	2.1	2.8	5.6	3.4	1.7	2.2

See footnotes at end of table.

**Table 6. Incidence rates<sup>1</sup> of nonfatal occupational injuries and illnesses by industry and selected case types, 1999 -- Continued**

**Texas**

Industry <sup>2</sup>	SIC code <sup>3</sup>	1999 Annual average employment <sup>4</sup> (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 <sup>5</sup>	With days away from work <sup>6</sup>			Total <sup>5</sup>	With days away from work <sup>6</sup>	
Aircraft	3721	28.0	5.6	3.0	1.2	2.5	4.5	2.7	1.0	1.8
Instruments and related products	38	39.0	4.3	2.3	0.8	2.0	3.2	1.6	0.7	1.6
Measuring and controlling devices	382	13.8	4.1	1.4	1.0	2.6	3.6	1.4	1.0	2.1
Medical instruments and supplies	384	12.9	6.9	4.7	1.1	2.2	4.4	2.8	0.9	1.6
Miscellaneous manufacturing industries	39	20.6	7.1	4.0	1.9	3.1	6.5	3.7	1.7	2.8
<b>Nondurable goods</b>		--	7.6	4.2	1.8	3.4	6.3	3.5	1.6	2.8
Food and kindred products	20	99.0	14.4	8.7	2.8	5.7	11.7	7.2	2.6	4.5
Meat products	201	35.4	22.8	13.0	2.5	9.8	15.9	9.2	2.1	6.6
Meat packing plants	2011	13.5	31.8	18.0	3.5	13.7	19.6	11.1	3.1	8.5
Poultry slaughtering and processing	2015	12.9	20.4	11.1	1.2	9.3	15.4	8.6	1.0	6.8
Preserved fruits and vegetables	203	8.5	8.4	6.3	3.0	2.2	8.2	6.0	2.9	2.1
Grain mill products	204	6.9	7.7	4.5	2.5	3.2	7.6	4.5	2.5	3.1
Bakery products	205	9.1	10.8	6.7	3.3	4.1	10.6	6.6	3.2	4.0
Apparel and other textile products	23	47.3	8.0	3.9	1.6	4.0	5.5	2.8	1.1	2.7
Men's and boys' furnishings	232	20.6	13.4	7.0	2.5	6.4	8.6	4.7	1.7	3.8
Men's and boys' trousers and slacks	2325	13.9	16.1	8.3	2.9	7.9	8.9	4.9	1.6	4.0
Women's and misses' outerwear	233	7.5	2.3	1.2	0.8	1.0	2.2	1.2	0.7	1.0
Miscellaneous fabricated textile products	239	12.2	4.5	2.1	1.0	2.5	3.7	1.8	0.8	2.0
Paper and allied products	26	29.2	7.0	3.4	1.8	3.6	6.7	3.2	1.7	3.5
Paperboard containers and boxes	265	10.8	5.2	2.6	1.1	2.7	4.7	2.3	0.9	2.5
Printing and publishing	27	75.7	3.9	2.3	1.5	1.7	3.4	1.9	1.2	1.5
Newspapers	271	21.6	4.5	2.0	1.5	2.5	3.7	1.7	1.2	2.0
Commercial printing	275	32.9	4.1	2.5	1.4	1.6	3.9	2.4	1.3	1.5
Chemicals and allied products	28	84.0	3.4	1.7	0.9	1.7	2.9	1.5	0.8	1.4
Industrial inorganic chemicals	281	7.2	7.1	1.2	--	5.9	7.1	1.2	--	5.9
Plastics materials and synthetics	282	11.5	3.4	2.1	1.4	1.3	3.0	2.0	1.3	1.0
Industrial organic chemicals	286	35.5	1.7	0.9	0.3	0.8	1.2	0.8	0.2	0.4
Miscellaneous chemical products	289	8.5	4.4	4.0	2.0	--	4.4	4.0	2.0	0.4
Petroleum and coal products	29	25.5	1.9	0.8	--	1.1	1.7	0.8	--	0.9
Petroleum refining	291	21.9	1.6	0.6	--	0.9	1.4	0.6	--	0.7
Rubber and miscellaneous plastics products	30	56.1	9.3	4.8	2.5	4.5	8.6	4.5	2.4	4.1
Leather and leather products	31	6.9	6.5	2.4	--	4.1	5.1	1.6	--	3.4
<b>Transportation and public utilities<sup>8</sup></b>		546.3	6.8	4.7	3.1	2.1	6.5	4.6	3.0	2.0
Railroad transportation <sup>8</sup>	40	--	3.4	2.7	2.2	0.6	3.3	2.7	2.2	0.6
Local and interurban passenger transit	41	22.2	8.6	6.1	3.3	2.5	8.5	6.0	3.3	2.4
Trucking and warehousing	42	137.5	7.7	4.6	3.4	3.1	7.5	4.5	3.3	3.0
Water transportation	44	16.5	4.6	3.0	2.4	1.6	4.5	2.9	2.3	1.6
Transportation by air	45	117.3	15.9	13.0	8.0	2.9	15.4	12.6	7.6	2.7
Freight transportation arrangement	473	20.1	1.8	1.3	1.0	0.6	1.8	1.2	1.0	0.6
Communications	48	137.9	2.6	1.5	1.4	1.1	2.1	1.2	1.1	0.9
Telephone communications	481	106.3	2.3	1.4	1.4	0.9	1.8	1.1	1.0	0.7
Cable and other pay television services	484	11.8	8.2	3.8	2.9	4.4	7.2	3.3	2.5	3.8
Electric, gas, and sanitary services	49	72.0	4.2	2.4	0.9	1.8	4.0	2.3	0.8	1.7
Electric services	491	32.6	3.8	1.9	0.5	1.9	3.5	1.9	0.5	1.7
Gas production and distribution	492	22.9	0.8	0.4	0.2	0.4	0.7	0.4	0.2	0.4
Sanitary services	495	12.5	11.7	7.3	3.2	--	11.5	7.1	3.1	--

See footnotes at end of table.

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				Total <sup>5</sup>	With days away from work <sup>6</sup>			Total <sup>5</sup>	With days away from work <sup>6</sup>	
<b>Wholesale and retail trade</b>		2,180.3	5.5	2.8	1.6	2.7	5.4	2.7	1.5	2.7
Wholesale trade		531.2	5.3	3.3	1.8	2.0	5.1	3.2	1.7	1.9
Wholesale trade--durable goods	50	340.7	4.4	2.6	1.4	1.8	4.3	2.6	1.3	1.7
Motor vehicles, parts, and supplies	501	33.6	5.9	3.6	2.2	2.3	5.5	3.4	2.0	2.2
Furniture and homefurnishings	502	14.5	9.0	6.7	2.5	2.3	8.9	6.7	2.5	2.2
Lumber and construction materials	503	20.8	9.3	4.4	2.4	5.0	9.1	4.3	2.4	4.8
Metals and minerals, except petroleum	505	13.9	6.6	3.8	1.8	2.8	6.5	3.8	1.8	2.8
Electrical goods	506	48.3	3.6	1.9	1.0	1.7	3.5	1.9	1.0	1.6
Hardware, plumbing and heating equipment	507	24.8	4.5	3.0	2.0	1.5	4.5	3.0	2.0	1.5
Machinery, equipment, and supplies	508	78.7	4.0	2.3	1.3	1.7	3.9	2.2	1.2	1.7
Miscellaneous durable goods	509	21.5	6.0	4.0	1.9	2.0	5.9	3.9	1.8	2.0
Wholesale trade--nondurable goods	51	190.5	6.9	4.5	2.4	2.4	6.7	4.3	2.4	2.3
Paper and paper products	511	15.8	4.4	3.1	1.3	1.2	4.4	3.1	1.3	1.2
Groceries and related products	514	68.0	8.6	5.8	3.0	2.8	8.5	5.7	2.9	2.8
Chemicals and allied products	516	15.4	4.5	3.2	1.3	1.3	4.5	3.2	1.3	1.2
Petroleum and petroleum products	517	16.5	4.3	3.0	2.5	1.3	--	3.0	2.5	1.3
Beer, wine, and distilled beverages	518	12.5	13.6	8.2	4.0	5.3	13.3	8.1	3.9	5.3
Retail trade		1,649.1	5.6	2.6	1.5	3.0	5.5	2.5	1.5	2.9
Building materials and garden supplies	52	64.5	6.8	4.0	2.6	2.8	6.7	3.9	2.6	2.8
Lumber and other building materials	521	41.4	9.3	5.5	3.6	3.8	9.2	5.5	3.6	3.7
Hardware stores	525	6.8	3.0	0.8	0.2	2.1	2.9	0.7	0.1	2.1
General merchandise stores	53	214.3	9.0	5.6	2.7	3.4	8.9	5.6	2.6	3.4
Department stores	531	191.5	9.2	5.6	2.7	3.6	9.1	5.6	2.6	3.6
Miscellaneous general merchandise stores	539	17.5	8.8	6.8	3.0	2.0	8.7	6.8	3.0	1.9
Food stores	54	252.0	7.8	4.0	1.7	3.8	7.6	3.8	1.7	3.7
Grocery stores	541	234.0	8.1	4.1	1.7	4.1	7.9	3.9	1.7	4.0
Retail bakeries	546	8.5	2.4	0.7	--	1.7	2.4	0.7	0.5	1.7
Automotive dealers and service stations	55	168.9	5.1	2.2	1.7	2.9	5.1	2.1	1.6	2.9
Auto and home supply stores	553	35.7	7.6	4.4	3.5	3.3	7.5	4.3	3.4	3.2
Gasoline service stations	554	32.6	3.2	2.0	1.3	1.3	3.2	1.9	1.2	1.3
Apparel and accessory stores	56	82.5	2.5	1.1	0.9	1.4	2.5	1.1	0.9	1.4
Women's clothing stores	562	16.2	3.1	0.6	0.6	2.5	3.1	0.6	0.6	2.5
Family clothing stores	565	33.5	4.0	2.0	1.5	2.0	4.0	1.9	1.5	2.0
Furniture and homefurnishings stores	57	77.8	4.2	2.0	1.2	2.2	4.1	2.0	1.2	2.1
Furniture and homefurnishings stores	571	37.6	5.3	2.6	1.7	2.8	5.2	2.5	1.7	2.6
Radio, television, and computer stores	573	36.6	3.2	1.5	0.8	1.7	3.1	1.5	0.8	1.7
Eating and drinking places	58	607.7	4.5	1.5	1.1	3.0	4.5	1.5	1.1	3.0
Eating and drinking places	581	607.7	4.5	1.5	1.1	3.0	4.5	1.5	1.1	3.0
Miscellaneous retail	59	181.4	3.8	1.6	1.1	2.2	3.7	1.5	1.0	2.2
Drug stores and proprietary stores	591	35.9	4.3	1.8	1.3	2.5	4.3	1.7	1.3	2.5
Miscellaneous shopping goods stores	594	69.5	4.7	1.5	1.3	3.1	4.6	1.4	1.2	3.1
<b>Finance, insurance, and real estate</b>		500.4	1.8	0.8	0.6	1.0	1.6	0.6	0.5	1.0
Depository institutions	60	130.4	1.4	0.4	0.3	1.0	1.2	0.4	0.3	0.9

See footnotes at end of table.

**Table 6. Incidence rates<sup>1</sup> of nonfatal occupational injuries and illnesses by industry and selected case types, 1999 -- Continued**

**Texas**

Industry <sup>2</sup>	SIC code <sup>3</sup>	1999 Annual average employment <sup>4</sup> (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 <sup>5</sup>	With days away from work <sup>6</sup>			Total <sup>5</sup>	With days away from work <sup>6</sup>	
Commercial banks	602	100.5	1.5	0.4	0.4	1.1	1.3	0.4	0.3	1.0
Nondepository institutions	61	56.3	0.8	0.4	0.3	0.4	0.6	0.3	0.2	0.4
Insurance carriers	63	90.0	3.2	1.3	1.1	1.9	2.5	0.8	0.7	1.7
Insurance agents, brokers, and service	64	58.8	0.2	0.1	0.1	0.1	0.1	0.1	0.1	( <sup>9</sup> )
Real estate	65	120.0	3.3	1.7	1.1	1.6	3.2	1.5	1.0	1.6
<b>Services</b>		<b>2,388.5</b>	<b>3.4</b>	<b>1.8</b>	<b>1.2</b>	<b>1.6</b>	<b>3.2</b>	<b>1.7</b>	<b>1.2</b>	<b>1.5</b>
Hotels and other lodging places	70	93.3	5.6	3.1	1.7	2.5	5.4	3.0	1.7	2.4
Hotels and motels	701	90.1	5.8	3.2	1.8	2.6	5.6	3.1	1.8	2.5
Personal services	72	91.5	3.3	1.9	1.0	1.4	3.2	1.9	1.0	1.3
Laundry, cleaning, and garment services	721	39.5	5.1	3.2	1.4	2.0	5.0	3.1	1.3	1.9
Beauty shops	723	25.1	0.5	0.5	0.5	( <sup>9</sup> )	0.5	0.5	0.5	( <sup>9</sup> )
Services to buildings	734	72.6	3.4	2.6	2.0	0.8	3.3	2.6	2.0	0.8
Computer and data processing services	737	139.2	0.6	0.3	0.2	0.3	0.5	0.2	0.2	0.2
Miscellaneous business services	738	149.5	3.4	2.1	1.4	1.3	3.0	1.8	1.2	1.2
Auto repair, services, and parking	75	90.5	3.8	2.2	1.5	1.6	3.8	2.1	1.5	1.6
Automotive rentals, no drivers	751	15.1	5.5	2.6	2.2	2.9	5.5	2.6	2.2	2.9
Automotive repair shops	753	46.7	2.7	1.4	1.1	1.4	2.7	1.4	1.1	1.3
Miscellaneous repair services	76	31.6	4.5	2.9	2.1	1.6	4.4	2.9	2.1	1.5
Motion pictures	78	32.7	1.6	0.4	0.4	1.2	1.6	0.4	0.4	1.2
Amusement and recreation services	79	89.0	5.5	2.6	1.8	2.9	5.4	2.5	1.7	2.9
Health services	80	681.2	5.3	2.7	1.9	2.5	4.9	2.6	1.8	2.3
Nursing and personal care facilities	805	101.5	9.4	5.9	3.9	3.5	9.0	5.6	3.7	3.4
Hospitals	806	233.7	8.8	4.2	2.7	4.6	8.1	4.1	2.6	4.1
Home health care services	808	117.9	2.8	1.7	1.6	--	2.8	1.7	1.6	--
Legal services	81	68.2	0.6	0.3	0.3	0.3	0.5	0.3	0.3	0.2
Legal services	811	68.2	0.6	0.3	0.3	0.3	0.5	0.3	0.3	0.2
Educational services	82	67.2	1.7	0.7	0.4	1.0	1.6	0.7	0.4	1.0
Colleges and universities	822	32.6	2.8	1.2	0.7	1.6	2.8	1.2	0.7	1.6
Social services	83	137.7	4.5	2.1	1.5	2.4	4.4	2.1	1.5	2.3
Individual and family services	832	31.1	4.0	1.1	0.9	2.9	3.7	1.1	0.8	2.7
Child day care services	835	54.4	2.4	1.2	1.0	1.2	2.4	1.2	1.0	1.2
Membership organizations	86	45.7	3.1	1.1	0.8	2.0	3.0	1.1	0.8	2.0
Engineering and management services	87	243.8	1.5	0.8	0.6	0.7	1.3	0.6	0.5	0.6
Engineering and architectural services	871	88.8	0.8	0.4	0.3	0.4	0.7	0.4	0.3	0.3
Accounting, auditing, and bookkeeping	872	49.8	1.2	0.7	0.7	--	--	0.5	0.5	--
Management and public relations	874	73.1	1.8	0.8	0.7	1.0	1.6	0.7	0.6	0.8

<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 = 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).

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

<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.

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

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

<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.

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

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.