

TABLE S18. Rate¹ and number of cases of disorders associated with repeated trauma by industry, 2001

Industry	SIC code ²	Incidence rate	Number (000)	Percent relative standard errors	
				Incidence rate	Number
Private industry³		23.8	216.4	2	2
Agriculture, forestry, and fishing³		4.6	.7	19	19
Agricultural production ³	01-02	4.4	.2	15	15
Agricultural production—crops ³	01	2.7	.1	29	29
Cash grains ³	011	2.2	(⁴)	65	67
Vegetables and melons ³	016	4.2	(⁴)	69	68
Fruits and tree nuts ³	017	4.4	(⁴)	50	50
Horticultural specialties ³	018	1.6	(⁴)	35	35
General farms, primarily crop ³	019	1.6	(⁴)	83	83
Agricultural production—livestock ³	02	8.7	.1	13	14
Livestock, except dairy and poultry ³	021	7.5	(⁴)	24	24
Poultry and eggs ³	025	13.0	.1	20	20
Animal specialties ³	027	32.1	(⁴)	29	26
Agricultural services	07	4.2	.4	32	31
Crop services	072	8.3	.1	40	40
Veterinary services	074	7.0	.1	41	41
Animal services, except veterinary	075	24.4	.1	83	82
Farm labor and management services	076	.4	(⁴)	55	55
Landscape and horticultural services	078	1.2	.1	58	58
Forestry	08	10.2	(⁴)	72	71
Timber tracts	081	3.3	(⁴)	98	97
Forestry services	085	16.2	(⁴)	77	76
Mining⁵		10.2	.6	10	9
Metal mining ⁶	10	26.7	.1	(⁷)	(⁷)
Iron ores ⁶	101	61.3	(⁴)	(⁷)	(⁷)
Copper ores ⁶	102	2.3	(⁴)	(⁷)	(⁷)
Lead and zinc ores ⁶	103	64.3	(⁴)	(⁷)	(⁷)
Gold and silver ores ⁶	104	26.4	(⁴)	(⁷)	(⁷)
Ferroalloy ores, except vanadium ⁶	106	(⁸)	(⁴)	(⁷)	(⁷)
Miscellaneous metal ores ⁶	109	14.0	(⁴)	(⁷)	(⁷)
Coal mining ⁶	12	32.1	.3	(⁷)	(⁷)
Bituminous coal and lignite mining ⁶	122	32.3	.3	(⁷)	(⁷)
Anthracite mining ⁶	123	17.7	(⁴)	(⁷)	(⁷)
Oil and gas extraction	13	4.0	.1	39	40
Crude petroleum and natural gas	131	6.7	.1	41	41
Oil and gas field services	138	2.5	.1	75	75
Nonmetallic minerals, except fuels ⁶	14	8.8	.1	(⁷)	(⁷)
Dimension stone ⁶	141	3.2	(⁴)	(⁷)	(⁷)
Crushed and broken stone ⁶	142	7.0	(⁴)	(⁷)	(⁷)
Sand and gravel ⁶	144	5.6	(⁴)	(⁷)	(⁷)
Clay, ceramic, and refractory minerals ⁶	145	3.8	(⁴)	(⁷)	(⁷)
Chemical and fertilizer minerals ⁶	147	34.1	(⁴)	(⁷)	(⁷)
Miscellaneous nonmetallic minerals ⁶	149	22.4	(⁴)	(⁷)	(⁷)
Construction		4.3	2.6	23	23
General building contractors	15	4.8	.6	29	29
Residential building construction	152	2.2	.1	50	50
Operative builders	153	(⁸)	(⁴)	(⁹)	(⁹)
Nonresidential building construction	154	7.9	.5	34	34
Heavy construction, except building	16	3.3	.3	22	22
Highway and street construction	161	2.0	.1	27	27
Heavy construction, except highway	162	3.9	.2	26	26
Special trade contractors	17	4.3	1.7	34	34
Plumbing, heating, air-conditioning	171	5.4	.5	29	29
Electrical work	173	2.4	.2	37	37
Masonry, stonework, and plastering	174	6.2	.3	42	42
Carpentry and floor work	175	3.3	.1	37	37
Roofing, siding, and sheet metal work	176	13.7	.3	43	42

See footnotes at end of table.

TABLE S18. Rate¹ and number of cases of disorders associated with repeated trauma by industry, 2001—
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Industry	SIC code ²	Incidence rate	Number (000)	Percent relative standard errors	
				Incidence rate	Number
Concrete work	177	1.2	(⁴)	65	64
Water well drilling	178	(⁸)	(⁴)	(⁹)	(⁹)
Miscellaneous special trade contractors	179	3.1	.2	31	31
Manufacturing		81.6	141.0	1	1
Durable goods		88.4	92.2	2	2
Lumber and wood products	24	35.4	2.7	7	7
Logging	241	10.9	.1	48	48
Sawmills and planing mills	242	39.3	.6	17	16
Sawmills and planing mills, general	2421	35.4	.4	21	21
Hardwood dimension and flooring mills	2426	51.7	.2	28	27
Millwork, plywood and structural members	243	45.5	1.5	9	9
Millwork	2431	78.9	.9	13	13
Wood kitchen cabinets	2434	27.2	.3	16	16
Hardwood veneer and plywood	2435	41.7	.1	35	35
Softwood veneer and plywood	2436	26.2	.1	40	41
Structural wood members, n.e.c.	2439	14.6	.1	34	34
Wood containers	244	4.0	(⁴)	55	54
Wood pallets and skids	2448	2.1	(⁴)	42	42
Wood buildings and mobile homes	245	16.9	.1	27	26
Mobile homes	2451	20.5	.1	28	28
Prefabricated wood buildings	2452	9.5	(⁴)	59	61
Miscellaneous wood products	249	44.9	.3	18	18
Wood preserving	2491	15.6	(⁴)	89	88
Wood products, n.e.c.	2499	71.2	.3	16	16
Furniture and fixtures	25	86.4	4.3	9	9
Household furniture	251	84.3	2.0	18	17
Wood household furniture	2511	103.7	1.1	30	30
Upholstered household furniture	2512	81.9	.6	14	13
Metal household furniture	2514	97.5	.2	51	50
Mattresses and bedsprings	2515	26.4	.1	52	51
Office furniture	252	102.8	.8	12	12
Wood office furniture	2521	60.9	.2	36	36
Office furniture, except wood	2522	138.0	.6	10	10
Public building and related furniture	253	198.3	1.0	10	10
Partitions and fixtures	254	30.1	.3	18	18
Wood partitions and fixtures	2541	9.3	(⁴)	40	39
Partitions and fixtures, except wood	2542	58.3	.2	20	21
Miscellaneous furniture and fixtures	259	54.5	.2	28	29
Drapery hardware and blinds and shades	2591	54.4	.1	41	43
Furniture and fixtures, n.e.c.	2599	54.5	.1	33	33
Stone, clay, and glass products	32	30.8	1.8	9	9
Flat glass	321	119.5	.2	18	19
Glass and glassware, pressed or blown	322	43.3	.3	28	28
Pressed and blown glass, n.e.c.	3229	53.3	.2	25	27
Products of purchased glass	323	83.4	.5	15	15
Cement, hydraulic	324	35.9	.1	40	42
Structural clay products	325	59.9	.2	41	40
Brick and structural clay tile	3251	57.9	.1	70	70
Pottery and related products	326	61.1	.2	23	25
Vitreous plumbing fixtures	3261	41.4	(⁴)	71	73
Vitreous china table and kitchenware	3262	115.2	.1	14	15
Concrete, gypsum, and plaster products	327	5.2	.1	23	23
Concrete block and brick	3271	(⁸)	(⁴)	(⁹)	(⁹)
Concrete products, n.e.c.	3272	3.6	(⁴)	43	43
Ready-mixed concrete	3273	6.5	.1	30	30
Gypsum products	3275	6.6	(⁴)	97	98
Cut stone and stone products	328	4.9	(⁴)	70	73

See footnotes at end of table.

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Industry	SIC code ²	Incidence rate	Number (000)	Percent relative standard errors	
				Incidence rate	Number
Miscellaneous nonmetallic mineral products	329	25.5	0.2	29	27
Abrasive products	3291	69.8	.1	27	26
Mineral wool	3296	16.6	(⁴)	90	92
Primary metal industries	33	62.3	4.1	7	6
Blast furnace and basic steel products	331	24.5	.5	18	18
Blast furnaces and steel mills	3312	27.7	.4	19	20
Steel wire and related products	3315	33.4	.1	53	53
Cold finishing of steel shapes	3316	4.2	(⁴)	58	57
Steel pipe and tubes	3317	20.7	.1	39	40
Iron and steel foundries	332	134.7	1.5	10	10
Gray and ductile iron foundries	3321	158.1	1.1	13	12
Malleable iron foundries	3322	75.1	(⁴)	21	18
Steel investment foundries	3324	123.0	.2	17	19
Steel foundries, n.e.c.	3325	76.4	.2	37	38
Primary nonferrous metals	333	76.0	.3	9	10
Primary aluminum	3334	103.2	.2	13	12
Secondary nonferrous metals	334	33.4	.1	40	40
Nonferrous rolling and drawing	335	57.0	1.0	10	10
Copper rolling and drawing	3351	55.7	.1	41	42
Aluminum sheet, plate, and foil	3353	25.3	.1	24	24
Aluminum extruded products	3354	47.3	.2	33	33
Nonferrous rolling and drawing, n.e.c.	3356	66.4	.1	35	35
Nonferrous wiredrawing and insulating	3357	71.3	.5	9	9
Nonferrous foundries (castings)	336	86.4	.7	21	19
Aluminum die-castings	3363	140.0	.5	28	27
Nonferrous die-casting except aluminum	3364	73.4	.1	28	29
Aluminum foundries	3365	43.4	.1	23	24
Miscellaneous primary metal products	339	10.8	(⁴)	42	42
Metal heat treating	3398	10.4	(⁴)	54	53
Fabricated metal products	34	53.4	7.7	5	5
Metal cans and shipping containers	341	30.5	.1	37	38
Metal cans	3411	28.1	.1	45	46
Cutlery, handtools, and hardware	342	90.2	1.0	11	11
Cutlery	3421	101.3	.1	10	9
Hand and edge tools, n.e.c.	3423	120.5	.4	22	21
Hardware, n.e.c.	3429	74.4	.4	16	16
Plumbing and heating, except electric	343	103.6	.6	21	21
Metal sanitary ware	3431	98.4	.1	10	10
Plumbing fixture fittings and trim	3432	132.1	.3	38	38
Heating equipment, except electric	3433	72.1	.1	16	14
Fabricated structural metal products	344	31.1	1.5	12	12
Fabricated structural metal	3441	7.8	.1	30	31
Metal doors, sash, and trim	3442	60.2	.5	24	23
Fabricated plate work (boiler shops)	3443	42.8	.4	24	24
Sheet metal work	3444	23.0	.3	19	19
Prefabricated metal buildings	3448	59.7	.2	26	26
Miscellaneous metal work	3449	15.3	(⁴)	69	69
Screw machine products, bolts, etc.	345	26.4	.3	25	25
Screw machine products	3451	28.2	.1	33	33
Bolts, nuts, rivets, and washers	3452	24.5	.1	38	37
Metal forgings and stampings	346	103.5	2.3	10	10
Iron and steel forgings	3462	57.5	.2	39	39
Nonferrous forgings	3463	27.4	(⁴)	34	36
Automotive stampings	3465	163.2	1.8	12	11
Metal stampings, n.e.c.	3469	40.5	.3	22	22
Metal services, n.e.c.	347	32.4	.4	22	22
Plating and polishing	3471	33.5	.3	26	26
Metal coating and allied services	3479	30.7	.2	38	38
Ordnance and accessories, n.e.c.	3489	93.0	(⁴)	13	16
Miscellaneous fabricated metal products	349	44.3	1.2	11	12

See footnotes at end of table.

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Industry	SIC code ²	Incidence rate	Number (000)	Percent relative standard errors	
				Incidence rate	Number
Industrial valves	3491	35.2	0.1	39	39
Fluid power valves and hose fittings	3492	66.3	.2	19	19
Valves and pipe fittings, n.e.c.	3494	39.9	.1	24	25
Wire springs	3495	36.4	(⁴)	41	42
Miscellaneous fabricated wire products	3496	36.7	.2	22	22
Fabricated pipe and fittings	3498	35.5	.1	29	28
Fabricated metal products, n.e.c.	3499	53.6	.4	27	27
Industrial machinery and equipment	35	45.0	8.8	4	4
Engines and turbines	351	60.2	.5	10	12
Turbines and turbine generator sets	3511	25.3	.1	21	22
Internal combustion engines, n.e.c.	3519	79.8	.4	13	14
Farm and garden machinery	352	79.7	.7	11	12
Farm machinery and equipment	3523	71.1	.5	16	16
Lawn and garden equipment	3524	103.2	.3	16	17
Construction and related machinery	353	40.7	.9	9	10
Construction machinery	3531	75.7	.6	11	11
Mining machinery	3532	58.5	.1	57	61
Oil and gas field machinery	3533	14.0	.1	39	39
Elevators and moving stairways	3534	13.4	(⁴)	53	54
Conveyors and conveying equipment	3535	10.4	(⁴)	58	57
Industrial trucks and tractors	3537	39.0	.1	23	22
Metalworking machinery	354	22.3	.7	23	22
Machine tools, metal cutting types	3541	47.4	.2	32	33
Special dies, tools, jigs and fixtures	3544	6.1	.1	24	24
Machine tool accessories	3545	21.4	.1	44	44
Power-driven handtools	3546	56.4	.1	24	24
Welding apparatus	3548	19.1	(⁴)	48	49
Metalworking machinery, n.e.c.	3549	15.0	(⁴)	70	70
Special industry machinery	355	29.8	.5	16	16
Textile machinery	3552	24.7	(⁴)	82	82
Paper industries machinery	3554	9.0	(⁴)	46	48
Printing trades machinery	3555	21.2	(⁴)	44	44
Special industry machinery, n.e.c.	3559	37.6	.3	18	18
General industrial machinery	356	56.0	1.3	16	15
Ball and roller bearings	3562	106.0	.4	36	35
Air and gas compressors	3563	43.6	.1	41	41
Blowers and fans	3564	56.5	.2	32	33
Packaging machinery	3565	11.0	(⁴)	46	46
Speed changers, drives, and gears	3566	17.3	(⁴)	25	25
Industrial furnaces and ovens	3567	70.9	.1	49	50
Power transmission equipment, n.e.c.	3568	80.0	.2	28	28
General industrial machinery, n.e.c.	3569	56.9	.2	35	34
Computer and office equipment	357	43.0	1.4	9	9
Electronic computers	3571	40.8	.7	7	8
Computer peripheral equipment, n.e.c.	3577	37.7	.2	18	18
Office machines, n.e.c.	3579	100.7	.2	27	27
Refrigeration and service machinery	358	90.4	1.8	7	7
Automatic vending machines	3581	40.9	(⁴)	26	24
Refrigeration and heating equipment	3585	103.3	1.5	7	8
Measuring and dispensing pumps	3586	36.9	(⁴)	59	56
Service industry machinery, n.e.c.	3589	68.5	.3	19	18
Industrial machinery, n.e.c.	359	29.2	1.0	13	12
Carburetors, pistons, rings, valves	3592	64.4	.1	21	22
Fluid power cylinders and actuators	3593	39.5	.1	23	23
Fluid power pumps and motors	3594	91.8	.2	27	27
Industrial machinery, n.e.c.	3599	20.7	.6	17	17
Electronic and other electric equipment	36	69.2	11.0	4	4
Electric distribution equipment	361	50.5	.4	19	18
Transformers, except electronic	3612	68.0	.2	20	21
Switchgear and switchboard apparatus	3613	37.7	.2	30	31
Electrical industrial apparatus	362	76.4	1.0	12	12
Motors and generators	3621	100.3	.6	16	16

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Industry	SIC code ²	Incidence rate	Number (000)	Percent relative standard errors	
				Incidence rate	Number
Relays and industrial controls	3625	53.4	0.3	20	20
Household appliances	363	155.4	1.6	(⁹)	3
Household cooking equipment	3631	91.3	.2	11	13
Household refrigerators and freezers	3632	166.5	.4	2	3
Household laundry equipment	3633	267.1	.5	3	3
Electric housewares and fans	3634	107.3	.2	(⁹)	(⁹)
Household vacuum cleaners	3635	68.2	.1	24	29
Household appliances, n.e.c.	3639	201.1	.3	13	13
Electric lighting and wiring equipment	364	60.0	1.0	11	11
Current-carrying wiring devices	3643	43.9	.2	26	25
Residential lighting fixtures	3645	33.6	.1	36	36
Commercial lighting fixtures	3646	71.7	.2	11	13
Vehicular lighting equipment	3647	105.4	.2	38	37
Lighting equipment, n.e.c.	3648	47.6	.1	52	51
Household audio and video equipment	365	40.5	.3	17	16
Household audio and video equipment	3651	49.6	.2	15	16
Communications equipment	366	33.9	.9	17	17
Telephone and telegraph apparatus	3661	24.4	.3	31	32
Radio and TV communications equipment	3663	41.8	.5	23	23
Communications equipment, n.e.c.	3669	40.0	.1	39	39
Electronic components and accessories	367	48.7	3.1	10	10
Printed circuit boards	3672	33.6	.4	38	38
Semiconductors and related devices	3674	44.0	1.3	15	15
Electronic capacitors	3675	37.8	.1	58	59
Electronic connectors	3678	33.6	.1	60	59
Electronic components, n.e.c.	3679	66.7	1.0	12	13
Miscellaneous electrical equipment and supplies	369	201.4	2.6	8	8
Primary batteries, dry and wet	3692	181.8	.3	8	8
Engine electrical equipment	3694	312.6	1.9	11	10
Electrical equipment and supplies, n.e.c.	3699	56.4	.1	30	31
Transportation equipment	37	248.5	43.7	4	3
Motor vehicles and equipment	371	372.4	35.0	6	4
Motor vehicles and car bodies	3711	691.9	22.9	2	1
Truck and bus bodies	3713	91.4	.4	17	18
Motor vehicle parts and accessories	3714	218.9	11.3	11	11
Truck trailers	3715	52.8	.2	18	18
Aircraft and parts	372	124.3	5.8	3	2
Aircraft	3721	189.4	4.4	(⁹)	1
Aircraft engines and engine parts	3724	42.8	.4	17	18
Aircraft parts and equipment, n.e.c.	3728	75.3	1.0	8	8
Ship and boat building and repairing	373	89.8	1.4	8	9
Ship building and repairing	3731	117.1	1.1	10	10
Boat building and repairing	3732	47.9	.3	18	18
Railroad equipment	374	44.7	.1	10	16
Motorcycles, bicycles, and parts	375	389.0	.8	28	33
Guided missiles, space vehicles, parts	376	27.6	.2	24	25
Guided missiles and space vehicles	3761	28.3	.2	18	20
Space propulsion units and parts	3764	11.2	(⁴)	75	76
Miscellaneous transportation equipment	379	62.5	.4	11	11
Travel trailers and campers	3792	52.3	.1	14	15
Tanks and tank components	3795	45.1	(⁴)	17	18
Transportation equipment, n.e.c.	3799	72.8	.2	17	17
Instruments and related products	38	77.3	6.4	6	6
Search and navigation equipment	381	59.7	.9	9	9
Measuring and controlling devices	382	44.7	1.3	9	8
Laboratory apparatus and furniture	3821	38.8	(⁴)	36	35
Environmental controls	3822	59.0	.2	22	22
Process control instruments	3823	23.6	.2	18	18
Fluid meters and counting devices	3824	177.2	.2	37	35

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Industry	SIC code ²	Incidence rate	Number (000)	Percent relative standard errors	
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Instruments to measure electricity	3825	41.7	0.3	18	18
Analytical instruments	3826	68.4	.3	8	8
Optical instruments and lenses	3827	18.6	(⁴)	46	46
Measuring and controlling devices, n.e.c.	3829	34.9	.1	25	29
Medical instruments and supplies	384	94.5	2.7	12	12
Surgical and medical instruments	3841	115.8	1.3	22	22
Surgical appliances and supplies	3842	105.4	1.1	13	13
Dental equipment and supplies	3843	51.9	.1	54	50
X-ray apparatus and tubes	3844	3.5	(⁴)	39	38
Electromedical equipment	3845	59.9	.3	16	15
Ophthalmic goods	385	205.4	.6	13	14
Photographic equipment and supplies	386	126.8	.8	10	11
Miscellaneous manufacturing industries	39	47.8	1.7	10	10
Jewelry, silverware, and plated ware	391	51.1	.2	26	24
Jewelry, precious metal	3911	38.8	.1	32	32
Silverware and plated ware	3914	214.6	.1	36	35
Musical instruments	393	88.9	.1	13	10
Toys and sporting goods	394	52.3	.5	16	16
Games, toys, and children's vehicles	3944	54.6	.1	57	53
Sporting and athletic goods, n.e.c.	3949	47.5	.3	12	12
Pens, pencils, office, and art supplies	395	71.1	.2	16	15
Pens and mechanical pencils	3951	140.2	.1	21	21
Costume jewelry and notions	396	18.6	(⁴)	24	24
Miscellaneous manufactures	399	39.3	.6	23	23
Brooms and brushes	3991	80.2	.1	31	32
Signs and advertising specialties	3993	18.7	.1	28	28
Hard surface floor coverings, n.e.c.	3996	25.2	(⁴)	39	40
Manufacturing industries, n.e.c.	3999	56.9	.3	39	39
Nondurable goods		71.3	48.8	3	2
Food and kindred products	20	157.6	26.9	4	3
Meat products	201	412.5	21.8	3	4
Meat packing plants	2011	711.0	11.7	3	(⁹)
Sausages and other prepared meats	2013	178.6	1.9	9	9
Poultry slaughtering and processing	2015	320.2	8.2	9	9
Dairy products	202	49.7	.7	17	14
Cheese, natural and processed	2022	122.6	.5	17	17
Dry, condensed, evaporated products	2023	25.8	(⁴)	30	33
Ice cream and frozen desserts	2024	37.4	.1	43	43
Fluid milk	2026	14.4	.1	44	45
Preserved fruits and vegetables	203	43.7	.9	13	12
Canned fruits and vegetables	2033	22.5	.2	21	20
Pickles, sauces, and salad dressings	2035	18.0	(⁴)	54	55
Frozen fruits and vegetables	2037	59.9	.2	17	17
Frozen specialties, n.e.c.	2038	82.7	.5	20	19
Grain mill products	204	22.6	.3	19	20
Cereal breakfast foods	2043	59.4	.1	29	30
Dog and cat food	2047	37.5	.1	32	33
Prepared feeds, n.e.c.	2048	7.0	(⁴)	37	36
Bakery products	205	72.2	1.4	14	15
Bread, cake, and related products	2051	48.3	.7	22	22
Cookies and crackers	2052	125.7	.6	23	23
Sugar and confectionery products	206	51.2	.5	19	18
Candy and other confectionery products	2064	59.7	.3	26	26
Chocolate and cocoa products	2066	91.5	.1	15	22
Fats and oils	207	27.9	.1	74	67
Beverages	208	18.5	.4	19	19
Malt beverages	2082	36.8	.1	37	37
Wines, brandy, and brandy spirits	2084	11.3	(⁴)	67	66
Bottled and canned soft drinks	2086	13.1	.1	29	29
Miscellaneous food and kindred products	209	43.0	.8	18	16

See footnotes at end of table.

TABLE S18. Rate¹ and number of cases of disorders associated with repeated trauma by industry, 2001—
Continued

Industry	SIC code ²	Incidence rate	Number (000)	Percent relative standard errors	
				Incidence rate	Number
Fresh or frozen prepared fish	2092	58.3	0.2	19	18
Potato chips and similar snacks	2096	93.5	.3	38	37
Food preparations, n.e.c.	2099	20.4	.2	28	28
Tobacco products	21	15.8	.1	32	29
Cigarettes	211	9.5	(⁴)	44	44
Textile mill products	22	45.6	2.1	8	8
Broadwoven fabric mills, cotton	221	60.1	.3	25	25
Broadwoven fabric mills, manmade	222	47.7	.2	29	29
Narrow fabric mills	224	28.3	(⁴)	44	45
Knitting mills	225	66.0	.7	12	13
Women's hosiery, except socks	2251	81.5	.1	35	33
Hosiery, n.e.c.	2252	137.6	.4	17	18
Knit outerwear mills	2253	29.6	.1	34	36
Knit underwear mills	2254	47.9	(⁴)	37	39
Weft knit fabric mills	2257	18.4	(⁴)	82	82
Lace and warp knit fabric mills	2258	34.9	(⁴)	47	46
Textile finishing, except wool	226	12.3	.1	68	69
Finishing plants, manmade	2262	6.6	(⁴)	70	71
Finishing plants, n.e.c.	2269	20.3	(⁴)	89	90
Carpets and rugs	227	25.8	.2	14	11
Yarn and thread mills	228	58.1	.4	21	18
Yarn spinning mills	2281	61.2	.3	21	20
Throwing and winding mills	2282	66.4	.1	21	22
Miscellaneous textile goods	229	30.3	.2	26	26
Nonwoven fabrics	2297	27.1	(⁴)	42	43
Textile goods, n.e.c.	2299	24.6	(⁴)	75	74
Apparel and other textile products	23	80.1	4.1	10	8
Men's and boys' suits and coats	231	101.4	.2	45	45
Men's and boys' furnishings	232	188.2	1.9	18	15
Men's and boys' shirts	2321	38.7	.1	63	63
Men's and boys' trousers and slacks	2325	448.4	1.4	19	19
Men's and boys' work clothing	2326	116.2	.2	19	19
Men's and boys' clothing, n.e.c.	2329	76.1	.2	42	42
Women's and misses' suits and coats	2337	52.9	.1	56	57
Women's and misses' outerwear, n.e.c.	2339	19.7	.2	32	32
Hats, caps, and millinery	235	185.4	.2	27	26
Miscellaneous apparel and accessories	238	48.1	.1	31	27
Apparel and accessories, n.e.c.	2389	55.6	.1	35	37
Miscellaneous fabricated textile products	239	71.1	1.4	9	9
Curtains and draperies	2391	80.6	.1	34	34
Housefurnishings, n.e.c.	2392	50.2	.2	20	21
Canvas and related products	2394	18.7	(⁴)	69	69
Pleating and stitching	2395	13.6	(⁴)	68	68
Automotive and apparel trimmings	2396	85.4	.5	19	18
Fabricated textile products, n.e.c.	2399	152.2	.4	14	13
Paper and allied products	26	34.1	2.2	9	9
Pulp mills	261	25.4	(⁴)	72	74
Paper mills	262	24.6	.3	12	12
Paperboard mills	263	28.4	.1	29	30
Paperboard containers and boxes	265	31.7	.7	19	18
Corrugated and solid fiber boxes	2653	17.7	.2	23	24
Fiber cans, drums and similar products	2655	22.6	(⁴)	28	30
Folding paperboard boxes	2657	68.4	.3	32	33
Miscellaneous converted paper products	267	43.1	1.0	14	14
Paper coated and laminated, packaging	2671	33.9	.1	54	55
Paper coated and laminated, n.e.c.	2672	54.2	.2	21	22
Bags: plastics, laminated, and coated	2673	39.1	.2	53	54
Bags: uncoated paper and multiwall	2674	41.0	.1	44	44
Die-cut paper and board	2675	30.2	.1	54	56
Sanitary paper products	2676	55.2	.2	26	27
Envelopes	2677	37.4	.1	68	68
Stationery products	2678	84.5	.1	43	42

See footnotes at end of table.

TABLE S18. Rate¹ and number of cases of disorders associated with repeated trauma by industry, 2001—
Continued

Industry	SIC code ²	Incidence rate	Number (000)	Percent relative standard errors	
				Incidence rate	Number
Converted paper products, n.e.c.	2679	29.6	0.1	30	31
Printing and publishing	27	30.9	4.2	7	7
Newspapers	271	27.7	1.0	6	6
Periodicals	272	12.0	.2	20	20
Books	273	42.2	.5	26	25
Book publishing	2731	36.3	.3	43	43
Book printing	2732	54.4	.2	8	8
Miscellaneous publishing	274	49.3	.4	39	42
Commercial printing	275	25.3	1.3	13	13
Commercial printing, lithographic	2752	28.3	1.0	16	16
Commercial printing, gravure	2754	20.6	(⁴)	31	32
Commercial printing, n.e.c.	2759	19.3	.3	19	19
Manifold business forms	276	32.8	.1	23	23
Greeting cards	277	77.3	.2	14	14
Blankbooks and bookbinding	278	96.4	.5	24	23
Blankbooks and looseleaf binders	2782	158.9	.4	25	25
Bookbinding and related work	2789	30.4	.1	56	55
Printing trade services	279	7.9	(⁴)	63	64
Typesetting	2791	2.6	(⁴)	84	85
Platemaking services	2796	11.1	(⁴)	71	72
Chemicals and allied products	28	34.7	3.5	6	5
Industrial inorganic chemicals	281	9.6	.1	35	34
Industrial inorganic chemicals, n.e.c.	2819	7.8	(⁴)	28	29
Plastics materials and synthetics	282	49.3	.7	6	6
Plastics materials and resins	2821	19.0	.1	17	17
Organic fibers, noncellulosic	2824	113.8	.4	6	6
Drugs	283	47.2	1.5	5	5
Medicinals and botanicals	2833	36.7	.1	10	10
Pharmaceutical preparations	2834	48.2	1.2	5	5
Diagnostic substances	2835	38.4	.1	23	23
Biological products except diagnostic	2836	56.0	.1	36	35
Soap, cleaners, and toilet goods	284	45.4	.7	16	15
Soap and other detergents	2841	56.3	.2	24	24
Polishes and sanitation goods	2842	34.6	.1	49	49
Toilet preparations	2844	34.0	.2	7	7
Paints and allied products	285	18.9	.1	50	50
Industrial organic chemicals	286	16.6	.2	42	43
Industrial organic chemicals, n.e.c.	2869	17.1	.2	46	47
Agricultural chemicals	287	23.7	.1	36	36
Phosphatic fertilizers	2874	42.6	(⁴)	67	70
Agricultural chemicals, n.e.c.	2879	28.2	.1	43	44
Miscellaneous chemical products	289	13.6	.1	52	52
Printing ink	2893	2.3	(⁴)	71	71
Chemical preparations, n.e.c.	2899	25.8	.1	61	61
Petroleum and coal products	29	4.3	.1	45	45
Petroleum refining	291	6.2	.1	41	42
Asphalt paving mixtures and blocks	2951	(⁸)	(⁴)	(⁹)	(⁹)
Miscellaneous petroleum and coal products	299	(⁸)	(⁴)	(⁹)	(⁹)
Rubber and miscellaneous plastics products	30	52.2	4.9	8	8
Tires and inner tubes	301	97.4	.7	7	7
Rubber and plastics footwear	302	104.2	(⁴)	(⁹)	(⁹)
Hose and belting and gaskets and packing	305	63.2	.4	15	14
Rubber and plastics hose and belting	3052	82.6	.2	21	21
Gaskets, packing and sealing devices	3053	49.7	.2	18	18
Fabricated rubber products, n.e.c.	306	80.8	.8	13	13
Mechanical rubber goods	3061	108.5	.6	14	14
Fabricated rubber products, n.e.c.	3069	48.5	.2	30	29
Miscellaneous plastics products, n.e.c.	308	42.1	2.9	12	13
Unsupported plastics film and sheet	3081	22.9	.1	29	29

See footnotes at end of table.

TABLE S18. Rate¹ and number of cases of disorders associated with repeated trauma by industry, 2001—Continued

Industry	SIC code ²	Incidence rate	Number (000)	Percent relative standard errors	
				Incidence rate	Number
Unsupported plastics profile shapes	3082	15.0	(⁴)	54	54
Laminated plastics plate and sheet	3083	6.0	(⁴)	95	96
Plastics pipe	3084	7.2	(⁴)	72	73
Plastics bottles	3085	9.1	(⁴)	31	35
Plastics foam products	3086	53.1	.3	24	24
Custom compound purchased resins	3087	25.5	.1	39	39
Plastics plumbing fixtures	3088	21.7	(⁴)	23	22
Plastics products, n.e.c.	3089	54.3	2.3	16	16
Leather and leather products	31	152.2	.9	28	22
Footwear, except rubber	314	308.8	.7	30	26
Men's footwear, except athletic	3143	250.5	.3	32	33
Women's footwear, except athletic	3144	164.0	.1	43	40
Transportation and public utilities¹⁰		15.4	10.1	8	9
Railroad transportation ¹⁰	40	2.5	.1	(⁷)	(⁷)
Local and interurban passenger transit	41	4.2	.2	19	19
Local and suburban transportation	411	3.4	.1	25	25
Taxicabs	412	(⁸)	(⁴)	(⁹)	(⁹)
Intercity and rural bus transportation	413	13.7	(⁴)	41	42
Bus charter service	414	3.5	(⁴)	98	98
School buses	415	5.0	(⁴)	34	34
Trucking and warehousing	42	6.3	1.2	26	26
Trucking and courier services, except air	421	6.0	1.0	31	31
Public warehousing and storage	422	9.0	.2	19	19
Water transportation	44	4.8	.1	49	47
Water transportation services	449	6.9	.1	25	25
Transportation by air	45	32.2	3.3	24	24
Air transportation, scheduled	451	37.8	3.2	26	25
Airports, flying fields, and services	458	5.4	.1	39	40
Pipelines, except natural gas	46	9.9	(⁴)	42	45
Transportation services	47	11.1	.5	19	19
Passenger transportation arrangement	472	17.2	.3	22	22
Freight transportation arrangement	473	6.4	.1	26	26
Rental of railroad cars	474	(⁸)	(⁴)	(⁹)	(⁹)
Communications	48	20.7	3.4	10	10
Telephone communications	481	25.5	2.9	11	11
Radio and television broadcasting	483	8.0	.2	47	47
Cable and other pay television services	484	12.3	.3	37	37
Electric, gas, and sanitary services	49	17.5	1.5	10	10
Electric services	491	18.5	.7	19	19
Gas production and distribution	492	18.1	.2	20	20
Combination utility services	493	26.2	.4	9	9
Water supply	494	4.4	(⁴)	83	83
Sanitary services	495	11.2	.2	29	29
Wholesale and retail trade		7.7	18.4	6	6
Wholesale trade		11.6	7.4	9	9
Wholesale trade—durable goods	50	9.5	3.7	14	14
Motor vehicles, parts, and supplies	501	30.5	1.4	29	29
Furniture and homefurnishings	502	7.2	.1	52	52
Lumber and construction materials	503	7.9	.2	40	40
Professional and commercial equipment	504	8.1	.7	20	20
Metals and minerals, except petroleum	505	16.3	.2	57	57
Electrical goods	506	4.3	.2	26	26
Hardware, plumbing and heating equipment	507	5.6	.2	62	62
Machinery, equipment, and supplies	508	3.7	.3	22	22
Miscellaneous durable goods	509	8.2	.2	37	37
Wholesale trade—nondurable goods	51	14.7	3.8	11	11
Paper and paper products	511	13.1	.3	29	29

See footnotes at end of table.

TABLE S18. Rate¹ and number of cases of disorders associated with repeated trauma by industry, 2001—
Continued

Industry	SIC code ²	Incidence rate	Number (000)	Percent relative standard errors	
				Incidence rate	Number
Drugs, proprietaries, and sundries	512	28.8	0.8	25	25
Apparel, piece goods, and notions	513	16.5	.3	34	34
Groceries and related products	514	19.0	1.7	19	19
Farm-product raw materials	515	1.3	(⁴)	69	69
Chemicals and allied products	516	9.6	.1	38	38
Petroleum and petroleum products	517	15.4	.2	53	53
Beer, wine, and distilled beverages	518	6.4	.1	39	39
Miscellaneous nondurable goods	519	5.4	.3	30	30
Retail trade		6.3	11.0	9	9
Building materials and garden supplies	52	2.8	.3	35	35
Lumber and other building materials	521	3.4	.2	43	43
Hardware stores	525	2.6	(⁴)	34	34
Mobile home dealers	527	3.6	(⁴)	71	71
General merchandise stores	53	7.3	1.6	14	14
Department stores	531	7.3	1.4	15	15
Variety stores	533	6.1	.1	61	60
Miscellaneous general merchandise stores	539	8.1	.1	38	38
Food stores	54	15.7	4.0	20	20
Grocery stores	541	16.7	3.7	21	21
Meat and fish markets	542	9.5	(⁴)	88	88
Fruit and vegetable markets	543	(⁸)	(⁴)	(⁹)	(⁹)
Dairy products stores	545	2.6	(⁴)	58	57
Retail bakeries	546	6.0	.1	65	64
Automotive dealers and service stations	55	2.6	.6	26	26
New and used car dealers	551	2.3	.3	39	39
Auto and home supply stores	553	2.9	.1	49	49
Gasoline service stations	554	2.3	.1	56	56
Boat dealers	555	(⁸)	(⁴)	(⁹)	(⁹)
Recreational vehicle dealers	556	(⁸)	(⁴)	(⁹)	(⁹)
Motorcycle dealers	557	(⁸)	(⁴)	(⁹)	(⁹)
Automotive dealers, n.e.c.	559	18.5	(⁴)	80	79
Apparel and accessory stores	56	5.1	.4	20	20
Men's and boys' clothing stores	561	1.3	(⁴)	89	89
Women's clothing stores	562	4.5	.1	47	47
Women's accessory and speciality stores	563	(⁸)	(⁴)	(⁹)	(⁹)
Children's and infants' wear stores	564	6.0	(⁴)	98	97
Family clothing stores	565	6.1	.2	18	18
Shoe stores	566	8.6	.1	54	54
Miscellaneous apparel and accessory stores	569	(⁸)	(⁴)	(⁹)	(⁹)
Furniture and homefurnishings stores	57	2.5	.2	41	41
Furniture and homefurnishings stores	571	3.9	.2	50	50
Household appliance stores	572	(⁸)	(⁴)	(⁹)	(⁹)
Radio, television, and computer stores	573	1.1	(⁴)	14	14
Eating and drinking places	58	2.5	1.3	35	35
Miscellaneous retail	59	11.4	2.6	8	9
Drug stores and proprietary stores	591	9.8	.5	19	19
Liquor stores	592	(⁸)	(⁴)	(⁹)	(⁹)
Used merchandise stores	593	4.0	(⁴)	45	45
Miscellaneous shopping goods stores	594	2.9	.2	33	33
Nonstore retailers	596	57.4	1.8	11	10
Fuel dealers	598	4.6	(⁴)	75	75
Retail stores, n.e.c.	599	.8	(⁴)	59	59
Finance, insurance, and real estate		18.1	12.4	5	5
Depository institutions	60	17.2	3.2	8	8
Central reserve depositories	601	57.7	.1	45	45
Commercial banks	602	17.9	2.3	7	7
Savings institutions	603	15.8	.4	36	36
Credit unions	606	9.3	.2	40	40

See footnotes at end of table.

TABLE S18. Rate¹ and number of cases of disorders associated with repeated trauma by industry, 2001—
Continued

Industry	SIC code ²	Incidence rate	Number (000)	Percent relative standard errors	
				Incidence rate	Number
Foreign bank and branches and agencies	608	(⁸)	(⁴)	(⁹)	(⁹)
Functions closely related to banking	609	19.6	.2	33	33
Nondepository institutions	61	16.4	1.1	12	12
Personal credit institutions	614	20.6	.4	19	19
Business credit institutions	615	28.1	.4	(⁹)	(⁹)
Mortgage bankers and brokers	616	8.4	.3	38	38
Security and commodity brokers	62	5.7	.4	20	20
Security brokers and dealers	621	6.1	.3	19	19
Security and commodity exchanges	623	1.1	(⁴)	7	9
Security and commodity services	628	5.2	.1	58	58
Insurance carriers	63	44.7	6.2	7	7
Life insurance	631	30.1	1.0	19	19
Medical service and health insurance	632	72.6	2.7	12	12
Fire, marine, and casualty insurance	633	48.9	2.5	10	10
Surety insurance	635	(⁸)	(⁴)	(⁹)	(⁹)
Insurance agents, brokers, and service	64	12.5	.9	18	18
Real estate	65	2.9	.4	32	32
Real estate operators and lessors	651	2.4	.1	50	50
Real estate agents and managers	653	3.6	.2	44	44
Subdividers and developers	655	2.2	(⁴)	47	47
Holding and other investment offices	67	12.0	.3	25	25
Holding offices	671	20.1	.2	34	34
Investment offices	672	17.3	(⁴)	23	22
Trusts	673	3.9	(⁴)	75	75
Miscellaneous investing	679	2.5	(⁴)	48	48
Services		10.8	30.6	6	6
Hotels and other lodging places	70	7.9	1.1	12	12
Hotels and motels	701	8.2	1.1	12	12
Camps and recreational vehicle parks	703	(⁸)	(⁴)	(⁹)	(⁹)
Personal services	72	7.4	.7	19	19
Laundry, cleaning, and garment services	721	10.0	.4	15	15
Photographic studios, portrait	722	6.6	(⁴)	37	39
Beauty shops	723	7.9	.3	47	47
Funeral service and crematories	726	2.4	(⁴)	21	22
Business services	73	11.7	6.8	19	19
Advertising	731	1.8	(⁴)	50	50
Credit reporting and collection	732	6.3	.1	41	41
Mailing, reproduction, stenographic	733	25.7	.8	48	48
Services to buildings	734	1.6	.1	42	42
Miscellaneous equipment rental and leasing	735	1.8	(⁴)	81	81
Personnel supply services	736	17.0	1.0	52	54
Computer and data processing services	737	15.2	3.0	30	30
Miscellaneous business services	738	11.2	1.6	34	35
Auto repair, services, and parking	75	4.8	.5	26	26
Automotive rentals, no drivers	751	4.5	.1	46	46
Automotive repair shops	753	3.0	.2	28	28
Automotive services, except repair	754	11.3	.2	44	44
Miscellaneous repair services	76	4.3	.1	30	30
Electrical repair shops	762	1.4	(⁴)	44	44
Reupholstery and furniture repair	764	1.0	(⁴)	36	35
Miscellaneous repair shops	769	6.1	.1	33	33
Motion pictures	78	5.8	.2	26	25
Motion picture production and services	781	10.1	.2	25	24
Motion picture distribution and services	782	9.1	(⁴)	37	36
Video tape rental	784	(⁸)	(⁴)	(⁹)	(⁹)
Amusement and recreation services	79	16.2	1.8	6	6
Dance studios, schools, and halls	791	(⁸)	(⁴)	(⁹)	(⁹)
Producers, orchestras, entertainers	792	10.4	.1	57	56
Bowling centers	793	(⁸)	(⁴)	(⁹)	(⁹)
Commercial sports	794	5.1	.1	34	34

See footnotes at end of table.

TABLE S18. Rate¹ and number of cases of disorders associated with repeated trauma by industry, 2001—Continued

Industry	SIC code ²	Incidence rate	Number (000)	Percent relative standard errors	
				Incidence rate	Number
Miscellaneous amusement, recreation services	799	19.6	1.6	5	6
Health services	80	16.0	13.3	9	9
Offices and clinics of medical doctors	801	16.1	2.7	11	11
Offices and clinics of dentists	802	11.5	.6	35	35
Offices of osteopathic physicians	803	.7	(⁴)	68	69
Offices of other health practitioners	804	1.4	(⁴)	45	45
Hospitals	806	24.2	7.8	13	13
Medical and dental laboratories	807	42.0	.8	21	21
Home health care services	808	11.2	.5	44	43
Health and allied services, n.e.c.	809	7.4	.2	27	27
Legal services	81	10.6	1.0	20	20
Educational services	82	5.9	.8	9	9
Elementary and secondary schools	821	.8	(⁴)	59	59
Colleges and universities	822	10.2	.7	8	7
Schools and educational services, n.e.c.	829	.9	(⁴)	57	57
Social services	83	3.8	.9	22	22
Individual and family services	832	2.2	.1	40	40
Job training and related services	833	9.6	.2	35	35
Child day care services	835	1.5	.1	46	46
Residential care	836	4.0	.3	54	54
Social services, n.e.c.	839	8.6	.2	54	54
Museums, botanical, zoological gardens	84	7.6	.1	76	75
Botanical and zoological gardens	842	19.6	(⁴)	72	69
Membership organizations	86	4.0	.3	19	19
Labor organizations	863	1.3	(⁴)	44	43
Civic and social associations	864	2.2	.1	35	35
Religious organizations	866	4.9	.1	19	19
Membership organizations, n.e.c.	869	16.6	.1	30	29
Engineering and management services	87	8.9	2.9	10	10
Engineering and architectural services	871	6.5	.6	26	26
Accounting, auditing, and bookkeeping	872	5.7	.4	29	29
Research and testing services	873	22.9	1.4	14	14
Management and public relations	874	5.3	.6	20	20

¹ The incidence rates represent the number of illnesses per 10,000 full-time workers and were calculated as: $(N/EH) \times 20,000,000$, where

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

² Standard Industrial Classification Manual, 1987 Edition.

³ Excludes farms with fewer than 11 employees.

⁴ Fewer than 50 cases.

⁵ Data conforming to OSHA definitions for mining operators in coal, metal, and nonmetal mining are provided to BLS by the Mine Safety and Health Administration (MSHA), U.S. Department of Labor. Independent mining contractors are excluded from the coal, metal, and nonmetal mining industries. Data for Mining (Division B in the Standard Industrial Classification manual, 1987 edition) include establishments not governed by MSHA rules and reporting, such as those in Oil and Gas

Extraction.

⁶ Data conforming to OSHA definitions for mining operators in this industry are provided to BLS by the Mine Safety and Health Administration, U.S. Department of Labor. Independent mining contractors are excluded.

⁷ Relative standard errors were not calculated for coal and lignite mining (SIC 12), metal and nonmetal mining (SIC 10 and SIC 14), and railroads (SIC 40).

⁸ Incidence rate less than 0.05.

⁹ Percent relative standard error less than 0.5.

¹⁰ Data conforming to OSHA definitions for employers in railroad transportation are provided to BLS by the Federal Railroad Administration, U.S. Department of Transportation.

NOTE: Because of rounding, components may not add to totals. The n.e.c. abbreviation means that the category includes those components not elsewhere classified.

SOURCE: Bureau of Labor Statistics, U.S. Department of Labor December 2002