

TABLE R31. Number of nonfatal occupational injuries and illnesses involving days away from work¹ by event or exposure leading to injury or illness and selected natures of injury or illness,1998

Event	Event code ²	Total cases	Nature of injury or illness ³						
			Sprains, strains	Fractures	Cuts, punctures	Bruises	Heat burns	Chemical burns	Amputations
Private industry		1,730,534	760,024	115,438	160,788	153,108	28,359	11,695	10,243
Contact with objects and equipment	0	476,846	47,135	51,733	147,780	88,619	-	-	9,950
Contact with objects and equipment, unspecified	00	8,992	292	424	6,084	640	-	-	84
Struck against object	01	126,374	18,080	9,363	50,231	25,364	-	-	991
Struck against stationary object	010	8,520	859	614	3,938	1,570	-	-	101
Struck against moving object	011	11,458	5,523	628	4,307	395	-	-	-
Struck against object, n.e.c.	012	82,449	9,786	6,846	28,356	20,045	-	-	362
Struck by object	013	14,520	1,218	710	8,409	1,654	-	-	477
Struck by object, unspecified	019	9,426	695	564	5,221	1,700	-	-	50
Struck by falling object	02	230,931	19,874	29,303	71,565	52,016	-	-	1,414
Struck by flying object	020	14,046	1,322	1,752	3,579	3,330	-	-	174
Struck by flying object, unspecified	021	92,626	11,224	16,680	12,425	28,742	-	-	390
Struck by dislodged flying object, particle	022	23,436	559	1,098	9,671	2,103	-	-	44
Struck by discharged object or substance	0220	2,839	219	96	582	443	-	-	-
Struck by flying object, n.e.c.	0221	10,665	126	457	3,591	571	-	-	-
Struck by swinging or slipping object	0222	6,160	59	209	4,557	586	-	-	-
Struck by swinging or slipping object, unspecified	0229	3,772	155	336	941	503	-	-	-
Struck by swinging or slipping object, n.e.c.	023	66,608	2,939	5,508	36,940	9,712	-	-	568
Struck by rolling, sliding objects on floor or ground level	0230	1,392	83	91	383	464	-	-	-
Struck by object, n.e.c.	0231	10,762	784	1,185	1,726	3,421	-	-	171
Struck by object, n.e.c.	0232	47,656	1,694	3,323	33,300	3,921	-	-	317
Struck by object, n.e.c.	0239	6,798	378	909	1,530	1,907	-	-	78
Struck by object, n.e.c.	024	6,971	929	964	427	2,603	-	-	43
Struck by object, n.e.c.	029	27,244	2,901	3,301	8,522	5,525	-	-	197
Caught in or compressed by equipment or objects	03	77,884	6,450	12,290	18,299	9,912	-	-	7,436
Caught in or compressed by equipment or objects, unspecified	030	8,479	535	1,627	1,552	1,367	-	-	653
Caught in running equipment or machinery	031	31,788	1,002	3,653	11,418	1,864	-	-	5,037
Compressed or pinched by rolling, sliding, or shifting objects	032	12,150	961	2,538	1,311	2,656	-	-	613
Caught in or compressed by equipment or objects, n.e.c.	039	25,467	3,951	4,472	4,017	4,026	-	-	1,134
Caught in or crushed in collapsing materials	04	495	110	62	68	97	-	-	-
Caught in or crushed in collapsing materials, unspecified	040	117	42	20	-	17	-	-	-
Excavation or trenching cave-in	041	171	38	18	-	44	-	-	-
Caught in or crushed in collapsing structure	044	105	-	-	47	-	-	-	-
Caught in or crushed in collapsing materials, n.e.c.	049	57	-	-	-	16	-	-	-

See footnotes at end of table.

TABLE R31. Number of nonfatal occupational injuries and illnesses involving days away from work¹ by event or exposure leading to injury or illness and selected natures of injury or illness, 1998 — Continued

Event	Nature of injury or illness ³							
	Carpal tunnel syndrome	Tendonitis	Multiple traumatic injuries and disorders			Back pain and pain, except back		All other natures ⁴
			Total	With fractures, burns, and other injuries	With sprains and bruises	Total	Back pain, hurt back only	
Private industry	26,266	16,900	57,625	11,141	21,386	101,599	42,353	288,489
Contact with objects and equipment	61	619	20,729	5,428	5,421	15,441	1,779	94,780
Contact with objects and equipment, unspecified	—	—	396	46	85	123	—	946
Struck against object	45	401	4,112	605	1,487	4,347	337	13,440
Struck against object, unspecified ..	—	18	316	—	105	270	—	835
Stepped on object	—	—	56	19	—	173	49	374
Struck against stationary object	45	375	2,939	214	1,196	3,446	213	10,249
Struck against moving object	—	—	586	322	82	301	42	1,165
Struck against object, n.e.c.	—	—	215	—	79	156	—	818
Struck by object	17	152	10,807	2,809	3,076	7,603	977	38,180
Struck by object, unspecified	—	—	666	157	253	500	—	2,714
Struck by falling object	—	70	5,733	1,355	1,878	4,149	594	13,201
Struck by flying object	—	—	611	218	38	417	51	8,930
Struck by flying object, unspecified	—	—	93	—	—	—	—	1,385
Struck by dislodged flying object, particle	—	—	242	69	19	223	38	5,442
Struck by discharged object or substance	—	—	133	96	—	66	—	526
Struck by flying object, n.e.c.	—	—	143	41	19	115	—	1,577
Struck by swinging or slipping object	—	42	2,066	574	453	1,346	74	7,487
Struck by swinging or slipping object, unspecified	—	—	56	—	—	128	—	184
Struck by or slammed in swinging door or gate	—	—	518	174	112	412	—	2,515
Struck by slipping handheld object	—	—	935	228	203	686	—	3,471
Struck by swinging or slipping object, n.e.c.	—	—	557	171	122	120	—	1,317
Struck by rolling, sliding objects on floor or ground level	—	17	385	74	147	337	—	1,267
Struck by object, n.e.c.	—	16	1,346	431	307	854	188	4,581
Caught in or compressed by equipment or objects	—	—	4,944	1,944	707	2,345	80	16,176
Caught in or compressed by equipment or objects, unspecified	—	—	462	110	—	252	—	2,020
Caught in running equipment or machinery	—	—	1,994	1,047	101	664	—	6,154
Compressed or pinched by rolling, sliding, or shifting objects	—	—	693	238	192	730	—	2,641
Caught in or compressed by equipment or objects, n.e.c.	—	—	1,796	548	385	700	40	5,360
Caught in or crushed in collapsing materials	—	—	65	—	17	—	—	73
Caught in or crushed in collapsing materials, unspecified	—	—	—	—	—	—	—	—
Excavation or trenching cave-in	—	—	—	—	—	—	—	—
Caught in or crushed in collapsing structure	—	—	—	—	—	—	—	20
Caught in or crushed in collapsing materials, n.e.c.	—	—	—	—	—	—	—	—

See footnotes at end of table.

TABLE R31. Number of nonfatal occupational injuries and illnesses involving days away from work¹ by event or exposure leading to injury or illness and selected natures of injury or illness, 1998 — Continued

Event	Event code ²	Total cases	Nature of injury or illness ³						
			Sprains, strains	Fractures	Cuts, punctures	Bruises	Heat burns	Chemical burns	Amputations
Rubbed or abraded by friction or pressure	05	26,434	308	—	—	308	—	—	—
Rubbed or abraded by friction or pressure, unspecified	050	100	18	—	—	—	—	—	—
Rubbed or abraded by kneeling on surface	051	1,108	203	—	—	135	—	—	—
Rubbed or abraded by objects being handled	052	202	—	—	—	18	—	—	—
Rubbed or abraded by foreign matter in eye	053	24,458	—	—	—	89	—	—	—
Rubbed or abraded by friction or pressure, n.e.c.	059	566	54	—	—	55	—	—	—
Rubbed, abraded, or jarred by vibration	06	2,536	1,451	—	—	83	—	—	—
Rubbed, abraded, or jarred by vibration, unspecified	060	85	—	—	—	—	—	—	—
Rubbed, abraded, or jarred by vehicle or mobile equipment vibration	061	1,749	946	—	—	57	—	—	—
Rubbed, abraded, or jarred by other machine or equipment vibration	062	474	298	—	—	—	—	—	—
Rubbed, abraded, or jarred by vibration, n.e.c.	069	227	175	—	—	—	—	—	—
Contact with objects and equipment, n.e.c.	09	3,201	569	276	1,504	199	—	—	17
Falls	1	292,090	106,622	51,326	8,029	48,981	—	—	46
Fall, unspecified	10	2,564	1,049	418	58	426	—	—	—
Fall to lower level	11	95,460	34,305	19,702	2,344	13,521	—	—	—
Fall to lower level, unspecified	110	1,665	542	470	—	313	—	—	—
Fall down stairs or steps	111	22,957	9,329	3,176	506	3,849	—	—	—
Fall from floor, dock, or ground level	112	5,609	1,955	918	140	1,029	—	—	—
Fall from floor, dock, or ground level, unspecified	1120	1,514	795	169	46	234	—	—	—
Fall through existing floor opening	1121	705	205	50	39	120	—	—	—
Fall through floor surface	1122	536	128	128	16	153	—	—	—
Fall from loading dock	1123	1,345	267	257	—	368	—	—	—
Fall from ground level to lower level	1124	1,124	466	180	—	99	—	—	—
Fall from floor, dock, or ground level, n.e.c.	1129	386	95	134	—	56	—	—	—
Fall from ladder	113	23,757	7,637	6,194	747	2,835	—	—	—
Fall from piled or stacked material	114	1,058	526	104	—	155	—	—	—
Fall from roof	115	4,591	2,089	1,011	43	334	—	—	—
Fall from roof, unspecified	1150	861	233	293	—	57	—	—	—
Fall through existing roof opening	1151	202	—	56	—	78	—	—	—
Fall through roof surface	1152	576	50	164	—	73	—	—	—
Fall through skylight	1153	50	—	—	—	—	—	—	—
Fall from roof edge	1154	2,659	1,714	434	—	111	—	—	—
Fall from roof, n.e.c.	1159	242	67	—	—	—	—	—	—
Fall from scaffold, staging	116	3,526	924	904	175	554	—	—	—

See footnotes at end of table.

TABLE R31. Number of nonfatal occupational injuries and illnesses involving days away from work¹ by event or exposure leading to injury or illness and selected natures of injury or illness, 1998 — Continued

Event	Nature of injury or illness ³							All other natures ⁴
	Carpal tunnel syndrome	Tendonitis	Multiple traumatic injuries and disorders			Back pain and pain, except back		
			Total	With fractures, burns, and other injuries	With sprains and bruises	Total	Back pain, hurt back only	
Rubbed or abraded by friction or pressure	-	-	339	-	-	248	-	25,189
Rubbed or abraded by friction or pressure, unspecified	-	-	-	-	-	-	-	71
Rubbed or abraded by kneeling on surface	-	-	-	-	-	207	-	530
Rubbed or abraded by objects being handled	-	-	16	-	-	-	-	127
Rubbed or abraded by foreign matter in eye	-	-	283	-	-	16	-	24,037
Rubbed or abraded by friction or pressure, n.e.c.	-	-	-	-	-	-	-	425
Rubbed, abraded, or jarred by vibration	-	-	-	-	-	598	351	363
Rubbed, abraded, or jarred by vibration, unspecified	-	-	-	-	-	-	-	-
Rubbed, abraded, or jarred by vehicle or mobile equipment vibration	-	-	-	-	-	476	271	251
Rubbed, abraded, or jarred by other machine or equipment vibration	-	-	-	-	-	63	51	97
Rubbed, abraded, or jarred by vibration, n.e.c.	-	-	-	-	-	-	-	-
Contact with objects and equipment, n.e.c.	-	-	57	-	-	164	-	414
Falls	-	327	25,866	4,027	12,182	18,476	4,892	32,412
Fall, unspecified	-	-	226	-	75	154	40	233
Fall to lower level	-	-	9,577	2,301	3,339	4,996	1,467	10,971
Fall to lower level, unspecified	-	-	64	-	-	-	-	200
Fall down stairs or steps	-	-	2,526	275	1,036	1,429	524	2,137
Fall from floor, dock, or ground level	-	-	727	114	222	209	44	630
Fall from floor, dock, or ground level, unspecified	-	-	147	-	117	-	-	115
Fall through existing floor opening	-	-	71	-	-	41	-	179
Fall through floor surface	-	-	70	-	19	18	-	-
Fall from loading dock	-	-	304	41	42	50	-	82
Fall from ground level to lower level	-	-	110	-	-	93	-	161
Fall from floor, dock, or ground level, n.e.c.	-	-	-	-	-	-	-	69
Fall from ladder	-	-	2,421	968	863	930	265	2,992
Fall from piled or stacked material	-	-	144	-	80	48	-	72
Fall from roof	-	-	444	129	97	234	-	431
Fall from roof, unspecified	-	-	93	-	-	-	-	152
Fall through existing roof opening	-	-	-	-	-	-	-	-
Fall through roof surface	-	-	-	-	-	188	-	74
Fall through skylight	-	-	-	-	-	-	-	-
Fall from roof edge	-	-	242	67	69	-	-	138
Fall from roof, n.e.c.	-	-	70	20	-	-	-	-
Fall from scaffold, staging	-	-	418	201	85	146	-	403

See footnotes at end of table.

TABLE R31. Number of nonfatal occupational injuries and illnesses involving days away from work¹ by event or exposure leading to injury or illness and selected natures of injury or illness,1998 — Continued

Event	Event code ²	Total cases	Nature of injury or illness ³						
			Sprains, strains	Fractures	Cuts, punctures	Bruises	Heat burns	Chemical burns	Amputations
Fall from building girders or other structural steel	117	407	114	117	—	20	—	—	—
Fall from nonmoving vehicle	118	17,025	6,237	2,925	460	2,735	—	—	—
Fall to lower level, n.e.c.	119	14,864	4,953	3,883	219	1,698	—	—	—
Jump to lower level	12	8,188	4,667	1,302	—	468	—	—	—
Jump to lower level, unspecified	120	714	296	—	—	—	—	—	—
Jump from scaffold, platform, loading dock	121	857	488	145	—	72	—	—	—
Jump from structure, structural element, n.e.c.	122	620	359	99	—	—	—	—	—
Jump from nonmoving vehicle	123	3,793	2,483	437	—	210	—	—	—
Jump to lower level, n.e.c.	129	2,203	1,042	611	—	140	—	—	—
Fall on same level	13	184,682	66,348	29,586	5,583	34,413	—	—	—
Fall on same level, unspecified	130	1,706	811	149	—	339	—	—	—
Fall to floor, walkway, or other surface	131	158,841	60,388	26,684	2,744	27,874	—	—	—
Fall onto or against objects	132	21,609	4,541	2,449	2,765	5,739	—	—	16
Fall on same level, n.e.c.	139	2,526	607	304	44	460	—	—	—
Fall, n.e.c.	19	1,196	253	318	—	153	—	—	—
Bodily reaction and exertion	2	754,588	566,670	3,826	—	495	—	—	—
Bodily reaction and exertion, unspecified	20	9,506	5,872	—	—	—	—	—	—
Bodily reaction	21	194,098	160,903	2,950	—	332	—	—	—
Bodily reaction, unspecified	210	10,426	7,405	93	—	—	—	—	—
Bending, climbing, crawling, reaching, twisting	211	78,053	65,897	350	—	60	—	—	—
Sudden reaction when surprised, frightened, startled	212	1,735	1,435	—	—	—	—	—	—
Running—without other incident	213	1,436	1,246	—	—	—	—	—	—
Sitting	214	925	591	—	—	—	—	—	—
Slip, trip, loss of balance—without fall	215	55,363	47,761	1,112	—	78	—	—	—
Standing	216	2,029	1,056	—	—	—	—	—	—
Walking—without other incident	217	6,968	5,526	218	—	—	—	—	—
Bodily reaction, n.e.c.	219	37,163	29,986	1,141	—	187	—	—	—
Overexertion	22	477,785	386,681	777	18	146	—	—	—
Overexertion, unspecified	220	41,803	31,922	59	—	—	—	—	—
Overexertion in lifting	221	280,725	229,067	340	—	56	—	—	—
Overexertion in pulling or pushing objects	222	71,601	58,032	180	—	39	—	—	—
Overexertion in holding, carrying, turning, or welding objects	223	60,084	49,081	130	—	—	—	—	—
Overexertion in throwing objects	224	2,569	1,857	17	—	—	—	—	—
Overexertion, n.e.c.	229	21,003	16,722	52	—	—	—	—	—
Repetitive motion	23	65,866	10,992	—	—	17	—	—	—
Repetitive motion, unspecified	230	16,157	2,198	—	—	—	—	—	—
Typing or key entry	231	9,784	679	—	—	—	—	—	—
Repetitive use of tools	232	9,364	1,832	—	—	—	—	—	—
Repetitive placing, grasping, or moving objects, except tools	233	21,164	4,116	—	—	—	—	—	—
Repetitive motion, n.e.c.	239	9,397	2,168	—	—	—	—	—	—
Bodily conditions, n.e.c.	25	3,841	—	—	—	—	—	—	—
Bodily reaction and exertion, n.e.c. ...	29	3,478	2,213	87	—	—	—	—	—
Exposure to harmful substances or environments	3	80,651	—	—	162	—	25,929	11,526	—

See footnotes at end of table.

TABLE R31. Number of nonfatal occupational injuries and illnesses involving days away from work¹ by event or exposure leading to injury or illness and selected natures of injury or illness, 1998 — Continued

Event	Nature of injury or illness ³							All other natures ⁴
	Carpal tunnel syndrome	Tendonitis	Multiple traumatic injuries and disorders			Back pain and pain, except back		
			Total	With fractures, burns, and other injuries	With sprains and bruises	Total	Back pain, hurt back only	
Fall from building girders or other structural steel	—	—	92	17	20	19	—	—
Fall from nonmoving vehicle	—	—	1,238	251	483	1,239	364	2,181
Fall to lower level, n.e.c.	—	—	1,502	297	425	712	196	1,898
Jump to lower level	—	—	147	66	50	986	155	564
Jump to lower level, unspecified	—	—	—	—	—	362	—	—
Jump from scaffold, platform, loading dock	—	—	—	—	—	51	37	91
Jump from structure, structural element, n.e.c.	—	—	—	—	—	91	—	—
Jump from nonmoving vehicle	—	19	42	—	—	298	16	301
Jump to lower level, n.e.c.	—	—	96	38	39	183	95	120
Fall on same level	—	282	15,811	1,655	8,694	12,112	3,221	20,519
Fall on same level, unspecified	—	—	128	—	41	80	—	165
Fall to floor, walkway, or other surface	—	251	13,417	1,511	7,380	10,518	2,868	16,954
Fall onto or against objects	—	—	2,082	132	1,202	1,214	294	2,790
Fall on same level, n.e.c.	—	—	185	—	71	300	—	611
Fall, n.e.c.	—	—	104	—	—	229	—	124
Bodily reaction and exertion	26,185	15,660	434	—	76	58,538	32,460	82,754
Bodily reaction and exertion, unspecified	—	451	—	—	—	900	501	2,275
Bodily reaction	—	1,023	118	16	43	14,301	7,104	14,464
Bodily reaction, unspecified	—	92	—	—	—	1,018	419	1,816
Bending, climbing, crawling, reaching, twisting	—	420	—	—	—	6,576	4,155	4,732
Sudden reaction when surprised, frightened, startled	—	—	—	—	—	154	93	137
Running—without other incident	—	—	—	—	—	81	—	77
Sitting	—	—	—	—	—	153	103	173
Slip, trip, loss of balance—without fall	—	118	55	—	—	2,782	1,189	3,458
Standing	—	—	—	—	—	618	132	330
Walking—without other incident	—	102	—	—	—	478	108	639
Bodily reaction, n.e.c.	—	260	48	—	—	2,441	905	3,101
Overexertion	123	3,653	311	18	—	38,303	24,196	47,773
Overexertion, unspecified	—	501	165	—	—	3,983	2,654	5,152
Overexertion in lifting	87	1,681	68	17	—	20,856	13,901	28,560
Overexertion in pulling or pushing objects	—	588	45	—	—	6,069	3,483	6,643
Overexertion in holding, carrying, turning, or wielding objects	—	657	—	—	19	5,296	2,997	4,832
Overexertion in throwing objects	—	—	—	—	—	384	139	284
Overexertion, n.e.c.	—	198	—	—	—	1,716	1,022	2,302
Repetitive motion	26,058	10,474	—	—	—	4,830	552	13,487
Repetitive motion, unspecified	7,345	1,904	—	—	—	1,286	118	3,420
Typing or key entry	5,463	1,395	—	—	—	456	—	1,791
Repetitive use of tools	3,480	1,407	—	—	—	578	49	2,049
Repetitive placing, grasping, or moving objects, except tools	7,171	4,065	—	—	—	1,675	208	4,137
Repetitive motion, n.e.c.	2,598	1,702	—	—	—	835	155	2,090
Bodily conditions, n.e.c.	—	—	—	—	—	—	—	3,821
Bodily reaction and exertion, n.e.c.	—	58	—	—	—	191	108	923
Exposure to harmful substances or environments	—	—	—	—	—	237	—	42,794

See footnotes at end of table.

TABLE R31. Number of nonfatal occupational injuries and illnesses involving days away from work¹ by event or exposure leading to injury or illness and selected natures of injury or illness, 1998 — Continued

Event	Event code ²	Total cases	Nature of injury or illness ³						
			Sprains, strains	Fractures	Cuts, punctures	Bruises	Heat burns	Chemical burns	Amputations
Exposure to harmful substances or environments, unspecified	30	233	-	-	-	-	-	-	-
Contact with electric current	31	3,910	-	-	-	-	-	-	-
Contact with electric current, unspecified	310	506	-	-	-	-	-	-	-
Contact with electric current of machine, tool, appliance, or light fixture	311	1,361	-	-	-	-	-	-	-
Contact with wiring, transformers, or other electrical components	312	1,318	-	-	-	-	-	-	-
Contact with overhead power lines	313	314	-	-	-	-	-	-	-
Contact with underground, buried power lines	314	40	-	-	-	-	-	-	-
Struck by lightning	315	50	-	-	-	-	-	-	-
Contact with electric current, n.e.c.	319	322	-	-	-	-	-	-	-
Contact with temperature extremes ...	32	29,205	-	-	-	-	25,929	-	-
Exposure to environmental heat	321	2,738	-	-	-	-	-	-	-
Exposure to environmental cold	322	205	-	-	-	-	-	-	-
Contact with hot objects or substances	323	26,148	-	-	-	-	25,929	-	-
Contact with cold objects or substances	324	101	-	-	-	-	-	-	-
Exposure to air pressure changes	33	1,315	-	-	-	-	-	-	-
Pressure changes in airplane, other aircraft	332	1,305	-	-	-	-	-	-	-
Exposure to caustic, noxious, or allergenic substances	34	38,733	-	-	157	-	-	11,526	-
Exposure to caustic, noxious, or allergenic substances, unspecified	340	4,139	-	-	-	-	-	740	-
Inhalation of substance	341	9,035	-	-	-	-	-	84	-
Inhalation of substance, unspecified	3410	4,091	-	-	-	-	-	37	-
Inhalation in enclosed, restricted, or confined space	3411	737	-	-	-	-	-	-	-
Inhalation in open or nonconfined space	3412	4,207	-	-	-	-	-	-	-
Contact with skin or other exposed tissue	342	18,285	-	-	-	-	-	10,143	-
Injections, stings, venomous bites	343	4,223	-	-	157	-	-	-	-
Injections, stings, venomous bites, unspecified	3430	261	-	-	-	-	-	-	-
Needle sticks	3431	308	-	-	156	-	-	-	-
Bee, wasp, hornet sting	3432	2,050	-	-	-	-	-	-	-
Other stings or venomous bites	3433	911	-	-	-	-	-	-	-
Injections, stings, venomous bites, n.e.c.	3439	693	-	-	-	-	-	-	-
Ingestion of substance	344	448	-	-	-	-	-	-	-
Exposure to caustic, noxious, or allergenic substances, n.e.c.	349	2,603	-	-	-	-	-	554	-
Exposure to noise	35	218	-	-	-	-	-	-	-
Exposure to noise, unspecified	350	51	-	-	-	-	-	-	-

See footnotes at end of table.

TABLE R31. Number of nonfatal occupational injuries and illnesses involving days away from work¹ by event or exposure leading to injury or illness and selected natures of injury or illness,1998 — Continued

Event	Nature of injury or illness ³							All other natures ⁴
	Carpal tunnel syndrome	Tendonitis	Multiple traumatic injuries and disorders			Back pain and pain, except back		
			Total	With fractures, burns, and other injuries	With sprains and bruises	Total	Back pain, hurt back only	
Exposure to harmful substances or environments, unspecified	-	-	-	-	-	-	-	231
Contact with electric current	-	-	-	-	-	-	-	3,910
Contact with electric current, unspecified	-	-	-	-	-	-	-	506
Contact with electric current of machine, tool, appliance, or light fixture	-	-	-	-	-	-	-	1,361
Contact with wiring, transformers, or other electrical components	-	-	-	-	-	-	-	1,318
Contact with overhead power lines	-	-	-	-	-	-	-	314
Contact with underground, buried power lines	-	-	-	-	-	-	-	40
Struck by lightning	-	-	-	-	-	-	-	50
Contact with electric current, n.e.c.	-	-	-	-	-	-	-	322
Contact with temperature extremes ...	-	-	-	-	-	-	-	3,246
Exposure to environmental heat	-	-	-	-	-	-	-	2,738
Exposure to environmental cold	-	-	-	-	-	-	-	197
Contact with hot objects or substances	-	-	-	-	-	-	-	201
Contact with cold objects or substances	-	-	-	-	-	-	-	98
Exposure to air pressure changes	-	-	-	-	-	69	-	1,246
Pressure changes in airplane, other aircraft	-	-	-	-	-	61	-	1,245
Exposure to caustic, noxious, or allergenic substances	-	-	-	-	-	121	-	26,925
Exposure to caustic, noxious, or allergenic substances, unspecified	-	-	-	-	-	-	-	3,395
Inhalation of substance	-	-	-	-	-	-	-	8,942
Inhalation of substance, unspecified	-	-	-	-	-	-	-	4,051
Inhalation in enclosed, restricted, or confined space	-	-	-	-	-	-	-	699
Inhalation in open or nonconfined space	-	-	-	-	-	-	-	4,192
Contact with skin or other exposed tissue	-	-	-	-	-	98	-	8,040
Injections, stings, venomous bites	-	-	-	-	-	-	-	4,061
Injections, stings, venomous bites, unspecified	-	-	-	-	-	-	-	258
Needle sticks	-	-	-	-	-	-	-	150
Bee, wasp, hornet sting	-	-	-	-	-	-	-	2,050
Other stings or venomous bites	-	-	-	-	-	-	-	911
Injections, stings, venomous bites, n.e.c.	-	-	-	-	-	-	-	693
Ingestion of substance	-	-	-	-	-	-	-	445
Exposure to caustic, noxious, or allergenic substances, n.e.c.	-	-	-	-	-	-	-	2,042
Exposure to noise	-	-	-	-	-	-	-	218
Exposure to noise, unspecified	-	-	-	-	-	-	-	51

See footnotes at end of table.

TABLE R31. Number of nonfatal occupational injuries and illnesses involving days away from work¹ by event or exposure leading to injury or illness and selected natures of injury or illness, 1998 — Continued

Event	Event code ²	Total cases	Nature of injury or illness ³						
			Sprains, strains	Fractures	Cuts, punctures	Bruises	Heat burns	Chemical burns	Amputations
Exposure to noise in single incident	352	152	—	—	—	—	—	—	—
Exposure to radiation	36	5,154	—	—	—	—	—	—	—
Exposure to sun	361	57	—	—	—	—	—	—	—
Exposure to welding light	362	4,968	—	—	—	—	—	—	—
Exposure to radioactive material	363	49	—	—	—	—	—	—	—
Exposure to radiation, n.e.c.	369	75	—	—	—	—	—	—	—
Exposure to traumatic or stressful event, n.e.c.	37	1,695	—	—	—	—	—	—	—
Exposure to harmful substances or environments, n.e.c.	39	184	—	—	—	—	—	—	—
Transportation incidents	4	69,660	27,232	6,364	2,351	10,068	42	—	171
Transportation incident, unspecified ..	40	2,238	854	158	164	170	—	—	—
Highway incident	41	43,008	20,201	2,527	1,247	3,704	—	—	52
Highway incident, unspecified	410	4,752	2,069	434	237	401	—	—	—
Collision between vehicles, mobile equipment	411	30,621	15,744	1,518	531	2,281	—	—	—
Collision between vehicles, mobile equipment, unspecified	4110	9,093	4,057	440	231	989	—	—	—
Re-entrant collision	4111	421	250	19	—	39	—	—	—
Moving in same direction	4112	7,360	4,999	139	53	335	—	—	—
Moving in opposite directions, oncoming	4113	1,710	630	323	79	81	—	—	—
Moving in intersection	4114	5,021	2,213	415	134	385	—	—	—
Moving and standing vehicle, mobile equipment— in roadway	4115	4,747	2,871	119	—	298	—	—	—
Moving and standing vehicle, mobile equipment—side of road	4116	343	162	—	—	49	—	—	—
Collision between vehicles, mobile equipment, n.e.c.	4119	1,926	562	61	—	105	—	—	—
Vehicle struck stationary object or equipment in roadway	412	462	240	19	—	48	—	—	—
Vehicle struck stationary object, equipment on side of road	413	1,035	241	143	88	114	—	—	—
Noncollision incident	414	5,333	1,625	399	368	740	—	—	—
Noncollision incident, unspecified	4140	242	—	—	—	—	—	—	—
Jack-knifed or overturned—no collision	4141	2,221	403	204	200	486	—	—	—
Ran off highway—no collision	4142	1,086	327	94	94	77	—	—	—
Struck by shifting load	4143	43	37	—	—	—	—	—	—
Sudden start or stop, n.e.c.	4144	913	509	—	65	87	—	—	—
Noncollision incident, n.e.c.	4149	828	320	61	—	62	—	—	—
Highway incident, n.e.c.	419	805	281	—	—	121	—	—	—
Nonhighway incident, except rail, air, water	42	11,560	3,863	1,110	674	2,452	—	—	45
Nonhighway incident, unspecified ..	420	482	182	—	—	120	—	—	—
Collision between vehicles or mobile equipment	421	1,480	563	65	—	254	—	—	—
Vehicle, mobile equipment struck stationary object	422	1,817	358	184	189	630	—	—	—
Noncollision incident	423	7,120	2,554	785	420	1,264	—	—	39

See footnotes at end of table.

TABLE R31. Number of nonfatal occupational injuries and illnesses involving days away from work¹ by event or exposure leading to injury or illness and selected natures of injury or illness, 1998 — Continued

Event	Nature of injury or illness ³							All other natures ⁴
	Carpal tunnel syndrome	Tendonitis	Multiple traumatic injuries and disorders			Back pain and pain, except back		
			Total	With fractures, burns, and other injuries	With sprains and bruises	Total	Back pain, hurt back only	
Exposure to noise in single incident	-	-	-	-	-	-	-	152
Exposure to radiation	-	-	-	-	-	-	-	5,154
Exposure to sun	-	-	-	-	-	-	-	57
Exposure to welding light	-	-	-	-	-	-	-	4,968
Exposure to radioactive material	-	-	-	-	-	-	-	49
Exposure to radiation, n.e.c.	-	-	-	-	-	-	-	75
Exposure to traumatic or stressful event, n.e.c.	-	-	-	-	-	-	-	1,690
Exposure to harmful substances or environments, n.e.c.	-	-	-	-	-	-	-	169
Transportation incidents	-	-	8,163	1,364	3,147	4,562	1,445	10,701
Transportation incident, unspecified ..	-	-	228	45	63	289	196	372
Highway incident	-	-	5,622	807	2,193	3,205	1,073	6,420
Highway incident, unspecified	-	-	838	-	426	211	37	546
Collision between vehicles, mobile equipment	-	-	3,303	614	1,369	2,323	777	4,912
Collision between vehicles, mobile equipment, unspecified	-	-	1,079	131	510	712	239	1,584
Re-entrant collision	-	-	40	-	-	55	50	17
Moving in same direction	-	-	534	64	300	588	326	713
Moving in opposite directions, oncoming	-	-	333	150	17	96	-	168
Moving in intersection	-	-	535	54	264	350	-	988
Moving and standing vehicle, mobile equipment— in roadway	-	-	306	-	116	429	78	695
Moving and standing vehicle, mobile equipment—side of road	-	-	46	46	-	18	-	66
Collision between vehicles, mobile equipment, n.e.c.	-	-	430	159	147	76	45	681
Vehicle struck stationary object or equipment in roadway	-	-	65	-	-	-	-	79
Vehicle struck stationary object, equipment on side of road	-	-	222	-	-	76	48	150
Noncollision incident	-	-	1,038	119	299	514	195	621
Noncollision incident, unspecified	-	-	72	-	50	84	68	-
Jack-knifed or overturned—no collision	-	-	497	64	102	159	-	243
Ran off highway—no collision	-	-	183	37	-	135	37	177
Struck by shifting load	-	-	-	-	-	-	-	-
Sudden start or stop, n.e.c.	-	-	75	-	36	48	-	97
Noncollision incident, n.e.c.	-	-	205	-	80	87	52	84
Highway incident, n.e.c.	-	-	156	-	48	70	-	112
Nonhighway incident, except rail, air, water	-	-	924	250	275	647	156	1,842
Nonhighway incident, unspecified ..	-	-	88	-	58	-	-	72
Collision between vehicles or mobile equipment	-	-	105	38	-	149	-	314
Vehicle, mobile equipment struck stationary object	-	-	74	-	19	45	-	332
Noncollision incident	-	-	576	182	169	442	117	1,038

See footnotes at end of table.

TABLE R31. Number of nonfatal occupational injuries and illnesses involving days away from work¹ by event or exposure leading to injury or illness and selected natures of injury or illness, 1998 — Continued

Event	Event code ²	Total cases	Nature of injury or illness ³						
			Sprains, strains	Fractures	Cuts, punctures	Bruises	Heat burns	Chemical burns	Amputations
Noncollision incident, unspecified	4230	176	40	—	—	—	—	—	—
Fall from moving vehicle, mobile equipment	4231	1,440	456	197	38	237	—	—	—
Fall from and struck by vehicle, mobile equipment	4232	293	—	45	—	97	—	—	—
Overtaken	4233	1,696	543	212	171	251	—	—	—
Loss of control	4234	353	184	—	—	—	—	—	—
Struck by shifting load	4235	249	79	39	—	53	—	—	—
Sudden start or stop, n.e.c.	4236	1,068	534	131	—	197	—	—	—
Noncollision incident, n.e.c.	4239	1,844	697	118	188	399	—	—	—
Nonhighway incident, n.e.c.	429	662	206	61	—	185	—	—	—
Pedestrian, nonpassenger struck by vehicle, mobile equipment	43	11,328	1,606	2,472	238	3,518	—	—	68
Pedestrian struck by vehicle, mobile equipment, unspecified	430	1,812	181	443	—	586	—	—	—
Pedestrian struck by vehicle, mobile equipment in roadway	431	929	190	120	—	134	—	—	—
Pedestrian struck by vehicle, mobile equipment on side of road	432	706	48	148	—	255	—	—	—
Pedestrian struck by vehicle, mobile equipment in parking lot or non-roadway area	433	7,880	1,186	1,760	176	2,544	—	—	64
Railway incident	44	476	281	—	—	74	—	—	—
Collision between railway vehicle and other vehicle	442	88	46	—	—	—	—	—	—
Collision between railway vehicle and other object	443	—	19	—	—	—	—	—	—
Derailment	445	65	—	—	—	—	—	—	—
Railway incident, n.e.c.	449	270	179	19	—	—	—	—	—
Water vehicle incident	45	378	193	61	—	50	—	—	—
Fall on ship, boat	454	232	130	40	—	—	—	—	—
Water vehicle incident, n.e.c.	459	114	50	19	—	—	—	—	—
Aircraft incident	46	672	234	—	—	99	—	—	—
Aircraft incident, unspecified	460	213	70	—	—	—	—	—	—
During takeoff or landing	461	38	—	—	—	—	—	—	—
Aircraft incident, n.e.c.	469	420	134	—	—	99	—	—	—
Fires and explosions	5	4,152	65	146	326	129	2,388	167	—
Fire or explosion, unspecified	50	69	—	—	—	—	—	48	—
Fire—unintended or uncontrolled	51	2,414	—	—	—	—	2,043	—	—
Fire, unspecified	510	262	—	—	—	—	246	—	—
Fire in residence, building, or other structure	511	928	—	—	—	—	688	—	—
Forest, brush, or other outdoor fire	512	38	—	—	—	—	—	—	—
Ignition of clothing from controlled heat source	513	304	—	—	—	—	295	—	—
Fire, n.e.c.	519	881	—	—	—	—	787	—	—
Explosion	52	1,670	—	138	326	124	325	114	—
Explosion, unspecified	520	272	—	—	126	—	—	—	—
Explosion of battery	521	153	—	—	—	—	—	89	—
Explosion of pressure vessel or piping	522	622	—	85	102	54	55	—	—
Explosion, n.e.c.	529	623	—	41	89	59	247	—	—

See footnotes at end of table.

TABLE R31. Number of nonfatal occupational injuries and illnesses involving days away from work¹ by event or exposure leading to injury or illness and selected natures of injury or illness, 1998 — Continued

Event	Nature of injury or illness ³							All other natures ⁴
	Carpal tunnel syndrome	Tendonitis	Multiple traumatic injuries and disorders			Back pain and pain, except back		
			Total	With fractures, burns, and other injuries	With sprains and bruises	Total	Back pain, hurt back only	
Noncollision incident, unspecified	-	-	-	-	-	-	-	85
Fall from moving vehicle, mobile equipment	-	-	139	-	58	44	-	329
Fall from and struck by vehicle, mobile equipment	-	-	37	-	-	-	-	90
Overtaken	-	-	198	66	57	101	-	206
Loss of control	-	-	41	-	-	19	-	-
Struck by shifting load	-	-	17	-	-	-	-	36
Sudden start or stop, n.e.c.	-	-	92	38	-	53	42	55
Noncollision incident, n.e.c.	-	-	50	19	17	185	52	208
Nonhighway incident, n.e.c.	-	-	80	-	-	-	-	86
Pedestrian, nonpassenger struck by vehicle, mobile equipment	-	-	1,288	259	588	369	-	1,766
Pedestrian struck by vehicle, mobile equipment, unspecified	-	-	188	-	-	38	-	354
Pedestrian struck by vehicle, mobile equipment in roadway	-	-	162	-	85	73	-	238
Pedestrian struck by vehicle, mobile equipment on side of road	-	-	104	66	-	-	-	104
Pedestrian struck by vehicle, mobile equipment in parking lot or non-roadway area	-	-	833	137	447	244	-	1,070
Railway incident	-	-	-	-	-	-	-	45
Collision between railway vehicle and other vehicle	-	-	-	-	-	-	-	-
Collision between railway vehicle and other object	-	-	-	-	-	-	-	-
Derailment	-	-	-	-	-	-	-	-
Railway incident, n.e.c.	-	-	-	-	-	-	-	-
Water vehicle incident	-	-	-	-	-	-	-	43
Fall on ship, boat	-	-	18	-	18	-	-	-
Water vehicle incident, n.e.c.	-	-	-	-	-	-	-	-
Aircraft incident	-	-	48	-	-	53	-	212
Aircraft incident, unspecified	-	-	-	-	-	-	-	104
During takeoff or landing	-	-	-	-	-	-	-	-
Aircraft incident, n.e.c.	-	-	40	-	-	-	-	101
Fires and explosions	-	-	243	46	-	41	-	624
Fire or explosion, unspecified	-	-	-	-	-	-	-	-
Fire—unintended or uncontrolled	-	-	44	-	-	-	-	266
Fire, unspecified	-	-	-	-	-	-	-	-
Fire in residence, building, or other structure	-	-	-	-	-	-	-	206
Forest, brush, or other outdoor fire	-	-	-	-	-	-	-	-
Ignition of clothing from controlled heat source	-	-	-	-	-	-	-	-
Fire, n.e.c.	-	-	-	-	-	-	-	41
Explosion	-	-	200	41	-	-	-	358
Explosion, unspecified	-	-	-	-	-	-	-	62
Explosion of battery	-	-	-	-	-	-	-	41
Explosion of pressure vessel or piping	-	-	129	-	-	-	-	143
Explosion, n.e.c.	-	-	63	-	-	-	-	112

See footnotes at end of table.

TABLE R31. Number of nonfatal occupational injuries and illnesses involving days away from work¹ by event or exposure leading to injury or illness and selected natures of injury or illness, 1998 — Continued

Event	Event code ²	Total cases	Nature of injury or illness ³						
			Sprains, strains	Fractures	Cuts, punctures	Bruises	Heat burns	Chemical burns	Amputations
Assaults and violent acts	6	22,382	4,882	1,470	1,111	3,829	—	—	—
Assaults and violent acts, unspecified	60	19	19	—	—	—	—	—	—
Assaults and violent acts by person(s)	61	17,589	4,577	1,378	753	3,506	—	—	—
Assaults and violent acts by person(s), unspecified	610	2,800	801	238	88	270	—	—	—
Biting	611	735	18	—	132	—	—	—	—
Hitting, kicking, beating	612	8,571	1,430	891	319	2,702	—	—	—
Shooting	613	205	—	—	—	20	—	—	—
Squeezing, pinching, scratching, twisting	614	1,419	964	71	—	129	—	—	—
Stabbing	615	115	—	—	87	—	—	—	—
Threats or verbal assaults	617	134	—	—	—	—	—	—	—
Assaults and violent acts by person(s), n.e.c.	619	3,605	1,364	178	118	374	—	—	—
Self-inflicted injury	62	40	—	—	—	—	—	—	—
Assaults by animals	63	4,734	286	89	345	318	—	—	—
Assaults by animals, unspecified ...	630	411	112	—	67	46	—	—	—
Nonvenomous bites	631	2,921	—	—	110	48	—	—	—
Assaults by animals, n.e.c.	639	1,402	168	67	169	224	—	—	—
Other events or exposures	9	99	—	—	4	17	—	—	—
Nonclassifiable	9999	30,065	7,415	573	996	971	—	—	48

See footnotes at end of table.

TABLE R31. Number of nonfatal occupational injuries and illnesses involving days away from work¹ by event or exposure leading to injury or illness and selected natures of injury or illness, 1998 — Continued

Event	Nature of injury or illness ³							All other natures ⁴
	Carpal tunnel syndrome	Tendonitis	Multiple traumatic injuries and disorders			Back pain and pain, except back		
			Total	With fractures, burns, and other injuries	With sprains and bruises	Total	Back pain, hurt back only	
Assaults and violent acts	—	42	1,964	165	494	1,702	315	7,376
Assaults and violent acts, unspecified	—	—	—	—	—	—	—	—
Assaults and violent acts by person(s)	—	42	1,838	155	435	1,617	315	3,877
Assaults and violent acts by person(s), unspecified	—	—	211	17	49	394	161	799
Biting	—	—	—	—	—	—	—	554
Hitting, kicking, beating	—	—	1,237	129	298	957	105	1,020
Shooting	—	—	—	—	—	—	—	185
Squeezing, pinching, scratching, twisting	—	—	—	—	—	94	—	103
Stabbing	—	—	—	—	—	—	—	—
Threats or verbal assaults	—	—	—	—	—	—	—	134
Assaults and violent acts by person(s), n.e.c.	—	—	362	—	72	159	49	1,050
Self-inflicted injury	—	—	—	—	—	—	—	—
Assaults by animals	—	—	126	—	58	85	—	3,483
Assaults by animals, unspecified ...	—	—	55	—	—	—	—	111
Nonvenomous bites	—	—	—	—	—	—	—	2,747
Assaults by animals, n.e.c.	—	—	64	—	—	85	—	625
Other events or exposures	—	—	—	—	—	—	—	71
Nonclassifiable	—	244	224	78	46	2,603	1,427	16,978

¹ Days-away-from-work cases include those which result in days away from work with or without restricted work activity.

² Based on the 1992 Occupational Injury and Illness Classification System developed by the Bureau of Labor Statistics.

³ Data shown in columns correspond to the following Nature codes: Sprains, strains = 021; Fractures = 012; Cuts, punctures = 034, 037; Bruises = 043; Heat burns = 053; Chemical burns = 051; Amputations = 031; Carpal tunnel syndrome = 1241; Tendonitis = 1733; Multiple traumatic injuries and illnesses, Total = 080-089; With fractures, burns, and other injuries = 083, 084; With sprains and bruises = 082; Back pain and pain,

except back, Total = 0972, 0973; Back pain, hurt back only = 0972; All other natures = all remaining codes, including 9999 (Nonclassifiable). These codes are based on the 1992 Occupational Injury and Illness Classification System developed by the Bureau of Labor Statistics.

⁴ Includes nonclassifiable responses.

NOTE: Dashes indicate data that are not available. Because of rounding, data may not sum to totals.

n.e.c. = not elsewhere classified.

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