

**Table 3. Number and percent of nonfatal occupational injuries and illnesses involving days away from work<sup>1</sup> involving repetitive motion by selected worker and case characteristic, 1996**

Characteristic	All events		Repetitive motion		Repetitive typing or keyentry		Repetitive use of tools		Repetitive placing, grasping, or moving objects, except tools	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Total:	1,880,525	100.0	73,796	100.0	11,226	100.0	9,829	100.0	24,228	100.0
Sex:										
Men	1,240,018	65.9	27,366	37.1	1,031	9.2	5,669	57.7	9,130	37.7
Women	620,508	33.0	46,211	62.6	10,179	90.7	4,132	42.0	15,017	62.0
Age:										
Under 14 years	34	0.0	--	--	--	--	--	--	--	--
14 to 15 years	1,476	0.1	--	--	--	--	--	--	--	--
16 to 19 years	73,817	3.9	1,230	1.7	253	2.3	134	1.4	389	1.6
20 to 24 years	231,273	12.3	5,676	7.7	874	7.8	866	8.8	2,306	9.5
25 to 34 years	559,893	29.8	19,960	27.0	2,754	24.5	2,651	27.0	7,375	30.4
35 to 44 years	511,689	27.2	22,836	30.9	3,466	30.9	3,110	31.6	7,267	30.0
45 to 54 years	304,382	16.2	15,377	20.8	2,446	21.8	1,835	18.7	4,540	18.7
55 to 64 years	126,494	6.7	6,767	9.2	1,292	11.5	1,108	11.3	1,778	7.3
65 years and over	17,664	0.9	317	0.4	--	--	44	0.5	132	0.5
Occupation:										
Managerial and professional	106,760	5.7	2,936	4.0	1,712	15.3	42	0.4	376	1.6
Technical, sales, and administrative support	274,001	14.6	18,986	25.7	9,145	81.5	905	9.2	3,389	14.0
Service	332,461	17.7	5,178	7.0	62	0.6	649	6.6	1,510	6.2
Farming, forestry, and fishing	45,118	2.4	788	1.1	--	--	387	3.9	183	0.8
Precision production, craft, and repair	309,027	16.4	9,778	13.2	92	0.8	2,775	28.2	2,807	11.6
Operators, fabricators, and laborers	797,581	42.4	35,805	48.5	193	1.7	5,054	51.4	15,882	65.6
Length of service with employer:										
Less than 3 months	235,382	12.5	3,343	4.5	233	2.1	550	5.6	1,237	5.1
3 months to 11 months	342,944	18.2	9,261	12.5	1,120	10.0	1,354	13.8	3,468	14.3
1 year to 5 years	587,787	31.3	24,042	32.6	3,665	32.6	3,144	32.0	8,131	33.6
More than 5 years	506,341	26.9	29,064	39.4	5,187	46.2	3,897	39.7	8,561	35.3
Not reported	208,072	11.1	8,086	11.0	1,022	9.1	884	9.0	2,832	11.7
Race or ethnic origin:										
White, non-Hispanic	1,001,424	53.3	41,042	55.6	6,573	58.5	5,876	59.8	13,169	54.4
Black, non-Hispanic	165,700	8.8	5,578	7.6	716	6.4	644	6.6	2,163	8.9
Hispanic	169,300	9.0	5,342	7.2	971	8.6	722	7.3	1,539	6.4
Asian or Pacific Islander	27,010	1.4	1,403	1.9	403	3.6	127	1.3	366	1.5
American Indian or Alaskan Native	7,316	0.4	283	0.4	--	--	54	0.6	115	0.5
Not reported	509,775	27.1	20,148	27.3	2,551	22.7	2,406	24.5	6,876	28.4

See footnotes at end of table.

**Table 3. Number and percent of nonfatal occupational injuries and illnesses involving days away from work<sup>1</sup> involving repetitive motion by selected worker and case characteristic, 1996**

Characteristic	All events		Repetitive motion		Repetitive typing or keyentry		Repetitive use of tools		Repetitive placing, grasping, or moving objects, except tools	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Major industry division										
Agriculture, forestry, and fishing <sup>2</sup>	38,256	2.0	497	0.7	--	--	58	0.6	219	0.9
Mining <sup>3</sup>	15,091	0.8	76	0.1	5	0.0	16	0.2	22	0.1
Construction	182,334	9.7	2,891	3.9	69	0.6	1,015	10.3	803	3.3
Manufacturing	462,239	24.6	36,608	49.6	1,304	11.6	6,033	61.4	15,157	62.6
Transportation and public utilities <sup>3,4</sup>	224,030	11.9	4,113	5.6	1,470	13.1	309	3.1	1,028	4.2
Wholesale trade	144,698	7.7	3,298	4.5	466	4.1	334	3.4	983	4.1
Retail trade	322,046	17.1	9,656	13.1	896	8.0	712	7.2	3,207	13.2
Finance, insurance, and real estate	42,785	2.3	3,599	4.9	2,327	20.7	254	2.6	327	1.4
Services	449,047	23.9	13,058	17.7	4,650	41.4	1,098	11.2	2,481	10.2
Number of days away from work:										
Cases involving 1 day	313,907	16.7	5,509	7.5	884	7.9	765	7.8	1,762	7.3
Cases involving 2 days	245,510	13.1	5,799	7.9	613	5.5	827	8.4	1,911	7.9
Cases involving 3-5 days	388,010	20.6	9,541	12.9	1,190	10.6	1,357	13.8	3,277	13.5
Cases involving 6-10 days	248,389	13.2	8,577	11.6	1,481	13.2	1,255	12.8	2,799	11.6
Cases involving 11-20 days	219,888	11.7	11,031	14.9	2,005	17.9	1,448	14.7	3,738	15.4
Cases involving 21-30 days	117,529	6.2	8,395	11.4	1,178	10.5	785	8.0	2,893	11.9
Cases involving 31 or more days	347,292	18.5	24,944	33.8	3,876	34.5	3,393	34.5	7,849	32.4
Median days away from work	5		17		19		15		16	
Nature of injury, illness:										
Sprains, strains	819,658	43.6	12,872	17.4	705	6.3	1,993	20.3	4,832	19.9
Fractures	120,497	6.4	--	--	--	--	--	--	--	--
Cuts, lacerations, punctures	156,418	8.3	--	--	--	--	--	--	--	--
Bruises, contusions	174,862	9.3	--	--	--	--	--	--	--	--
Heat burns	29,049	1.5	--	--	--	--	--	--	--	--
Chemical burns	11,578	0.6	--	--	--	--	--	--	--	--
Amputations	10,167	0.5	--	--	--	--	--	--	--	--
Carpal tunnel syndrome	29,937	1.6	29,809	40.4	6,353	56.6	3,583	36.5	8,007	33.1
Tendonitis	17,416	0.9	10,597	14.4	1,413	12.6	1,366	13.9	4,312	17.8
Multiple injuries	60,277	3.2	--	--	--	--	--	--	--	--
With fractures	11,542	0.6	--	--	--	--	--	--	--	--
With sprains	20,564	1.1	--	--	--	--	--	--	--	--
Soreness, Pain	125,588	6.7	6,672	9.0	597	5.3	1,056	10.7	2,090	8.6
Back pain	52,047	2.8	861	1.2	--	--	204	2.1	261	1.1
All other	325,080	17.3	13,841	18.8	2,157	19.2	1,830	18.6	4,983	20.6

See footnotes at end of table.

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Characteristic	All events		Repetitive motion		Repetitive typing or keyentry		Repetitive use of tools		Repetitive placing, grasping, or moving objects, except tools	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Part of body affected:										
Head	123,977	6.6	38	0.1	--	--	--	--	--	--
Eye	66,032	3.5	--	--	--	--	--	--	--	--
Neck	34,510	1.8	821	1.1	81	0.7	101	1.0	248	1.0
Trunk	715,562	38.1	11,581	15.7	358	3.2	1,474	15.0	4,760	19.6
Back	490,608	26.1	5,105	6.9	--	--	680	6.9	1,770	7.3
Shoulder	96,512	5.1	5,526	7.5	330	2.9	689	7.0	2,555	10.5
Upper extremities	425,649	22.6	56,206	76.2	10,151	90.4	7,671	78.0	17,587	72.6
Finger	152,585	8.1	2,458	3.3	194	1.7	519	5.3	976	4.0
Hand, except finger	75,610	4.0	3,273	4.4	364	3.2	442	4.5	1,345	5.6
Wrist	94,954	5.0	39,557	53.6	7,702	68.6	5,120	52.1	11,539	47.6
Lower extremities	375,538	20.0	1,259	1.7	--	--	87	0.9	190	0.8
Knee	127,623	6.8	621	0.8	--	--	--	--	69	0.3
Foot, toe	91,731	4.9	222	0.3	--	--	--	--	--	--
Body systems	26,800	1.4	--	--	--	--	--	--	--	--
Multiple	161,016	8.6	3,604	4.9	619	5.5	447	4.5	1,302	5.4
All other	17,474	0.9	260	0.4	--	--	--	--	123	0.5
Source of injury, illness:										
Chemicals, chemical products	34,904	1.9	--	--	--	--	--	--	--	--
Containers	272,851	14.5	--	--	--	--	--	--	--	--
Furniture, fixtures	68,602	3.6	--	--	--	--	--	--	--	--
Machinery	123,203	6.6	--	--	--	--	--	--	--	--
Parts and materials	208,917	11.1	--	--	--	--	--	--	--	--
Worker motion or position	272,992	14.5	73,796	100.0	11,226	100.0	9,829	100.0	24,228	100.0
Floor, ground surfaces	304,484	16.2	--	--	--	--	--	--	--	--
Handtools	81,080	4.3	--	--	--	--	--	--	--	--
Vehicles	151,009	8.0	--	--	--	--	--	--	--	--
Health care patient	86,661	4.6	--	--	--	--	--	--	--	--
All other	275,822	14.7	--	--	--	--	--	--	--	--

<sup>1</sup> Days away from work cases include those which result in days away from work with or without restricted work activity.

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

<sup>3</sup> Data conforming to OSHA definitions for mining operators in coal, metal, and nonmetal mining and for employees in railroad transportation are provided to BLS by the Mine Safety and Health Administration, U.S. Department of Labor; and the Federal Railroad Administration, U.S. Department of Transportation. Independent mining contractors are excluded from the coal, metal, and nonmetal mining industries.

<sup>4</sup> In 1996, air courier operations previously classified in Industry Groups 421, 422, 423, 452, 473, and 478 were reclassified to Industry Group 451. As a result, the 1996 estimates for these SIC's and Major Industry Groups 42, 45, and 47 are not comparable to those for prior years. In addition, the 1996 estimates for transportation and public utilities may have more variability than those for prior years.

NOTE: Because of rounding and data exclusion of nonclassifiable responses, data may not sum to the totals. Dashes indicate data that do not meet publication guidelines. The scientifically selected probability sample used in 1996 was one of many possible samples, each of which could have produced different estimates. A measure of sampling variability for each estimate is available upon request.

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