

**Table 3. Number and percent of nonfatal occupational injuries and illnesses involving days away from work<sup>1</sup> resulting from repetitive motion by selected worker and case characteristics, 2002**

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:	1,436,194	100.0	58,576	100.0	10,750	100.0	7,949	100.0	18,006	100.0
Sex:										
Men	930,925	64.8	22,526	38.5	1,277	11.9	4,691	59.0	7,278	40.4
Women	500,592	34.9	35,967	61.4	9,471	88.1	3,230	40.6	10,683	59.3
Age:										
Under 14	--	--	--	--	--	--	--	--	--	--
14 to 15	198	0.0	--	--	--	--	--	--	--	--
16 to 19	38,387	2.7	327	0.6	--	--	--	--	192	1.1
20 to 24	159,229	11.1	3,175	5.4	676	6.3	444	5.6	1,087	6.0
25 to 34	358,377	25.0	12,423	21.2	2,692	25.0	1,577	19.8	4,068	22.6
35 to 44	400,871	27.9	17,481	29.8	2,558	23.8	2,673	33.6	5,470	30.4
45 to 54	304,970	21.2	17,250	29.4	3,330	31.0	2,271	28.6	4,758	26.4
55 to 64	143,523	10.0	7,181	12.3	1,383	12.9	896	11.3	2,189	12.2
65 and over	25,103	1.7	602	1.0	85	0.8	50	0.6	165	0.9
Occupation:										
Managerial and professional	92,967	6.5	4,040	6.9	2,059	19.2	366	4.6	469	2.6
Technical, sales, and administrative support	239,364	16.7	16,145	27.6	7,990	74.3	729	9.2	3,105	17.2
Service	270,251	18.8	5,525	9.4	131	1.2	469	5.9	2,007	11.1
Farming, forestry, and fishing	35,629	2.5	688	1.2	--	--	311	3.9	111	0.6
Precision production, craft, and repair	242,787	16.9	7,887	13.5	433	4.0	2,313	29.1	1,982	11.0
Operators, fabricators, and laborers	552,886	38.5	24,235	41.4	109	1.0	3,758	47.3	10,323	57.3
Length of service with employer:										
Less than 3 months	176,701	12.3	2,950	5.0	221	2.1	432	5.4	1,106	6.1
3 months to 11 months	290,342	20.2	6,297	10.8	1,211	11.3	1,128	14.2	2,001	11.1
1 year to 5 years	534,192	37.2	22,680	38.7	4,258	39.6	2,784	35.0	7,056	39.2
More than 5 years	422,273	29.4	26,264	44.8	5,028	46.8	3,448	43.4	7,748	43.0
Not reported	12,685	0.9	386	0.7	--	--	158	2.0	95	0.5
Race or ethnic origin:										
White, non-Hispanic	688,009	47.9	28,597	48.8	4,569	42.5	4,299	54.1	9,145	50.8
Black, non-Hispanic	114,453	8.0	3,982	6.8	720	6.7	475	6.0	1,443	8.0
Hispanic	180,419	12.6	5,490	9.4	811	7.5	789	9.9	1,898	10.5
Asian or Pacific Islander	22,099	1.5	1,048	1.8	197	1.8	153	1.9	311	1.7
American Indian or Alaskan Native	8,225	0.6	272	0.5	36	0.3	--	--	68	0.4
Not reported	422,989	29.5	19,187	32.8	4,417	41.1	2,205	27.7	5,141	28.6

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> resulting from repetitive motion by selected worker and case characteristics, 2002**

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>	31,520	2.2	689	1.2	--	--	195	2.5	110	0.6
Mining <sup>3</sup>	11,355	0.8	43	0.1	8	0.1	--	--	12	0.1
Construction	163,641	11.4	2,866	4.9	--	--	1,095	13.8	701	3.9
Manufacturing	280,005	19.5	23,593	40.3	1,146	10.7	4,181	52.6	8,739	48.5
Transportation and public utilities <sup>4</sup>	168,632	11.7	5,030	8.6	2,256	21.0	356	4.5	924	5.1
Wholesale trade	108,791	7.6	2,620	4.5	454	4.2	287	3.6	1,036	5.8
Retail trade	263,401	18.3	8,367	14.3	713	6.6	697	8.8	3,592	19.9
Finance, insurance, and real estate	36,689	2.6	3,566	6.1	2,257	21.0	136	1.7	251	1.4
Services	372,159	25.9	11,803	20.1	3,857	35.9	999	12.6	2,640	14.7
Public sector	--	--	--	--	--	--	--	--	--	--
Number of days away from work:										
Cases involving 1 day	214,923	15.0	4,198	7.2	936	8.7	593	7.5	1,316	7.3
Cases involving 2 days	161,426	11.2	3,027	5.2	530	4.9	262	3.3	927	5.1
Cases involving 3-5 days	266,511	18.6	7,181	12.3	1,471	13.7	882	11.1	2,554	14.2
Cases involving 6-10 days	178,778	12.4	5,843	10.0	1,147	10.7	1,127	14.2	1,588	8.8
Cases involving 11-20 days	158,609	11.0	7,695	13.1	1,414	13.2	1,164	14.6	2,631	14.6
Cases involving 21-30 days	95,886	6.7	5,340	9.1	1,316	12.2	831	10.5	1,325	7.4
Cases involving 31 or more days	360,061	25.1	25,292	43.2	3,936	36.6	3,090	38.9	7,666	42.6
Median days away from work	7		23		20		20		20	
Nature of injury, illness:										
Sprains, strains	617,186	43.0	13,326	22.7	1,208	11.2	2,176	27.4	5,362	29.8
Fractures	99,171	6.9	--	--	--	--	--	--	--	--
Cuts, lacerations, punctures	128,061	8.9	--	--	--	--	--	--	--	--
Bruises, contusions	126,986	8.8	19	--	--	--	--	--	--	--
Heat burns	21,468	1.5	--	--	--	--	--	--	--	--
Chemical burns	8,257	0.6	--	--	--	--	--	--	--	--
Amputations	8,793	0.6	--	--	--	--	--	--	--	--
Carpal tunnel syndrome	22,651	1.6	22,478	38.4	5,670	52.7	3,046	38.3	5,670	31.5
Tendonitis	9,275	0.6	5,887	10.1	847	7.9	802	10.1	1,809	10.0
Multiple injuries	52,496	3.7	57	0.1	--	--	--	--	--	--
With fractures	12,137	0.8	--	--	--	--	--	--	--	--
With sprains	20,411	1.4	--	--	--	--	--	--	--	--
Soreness, Pain	116,956	8.1	6,575	11.2	989	9.2	622	7.8	2,202	12.2
Back pain	46,504	3.2	823	1.4	--	--	174	2.2	273	1.5
All other	224,896	15.7	10,225	17.5	2,037	18.9	1,303	16.4	2,939	16.3

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	90,228	6.3	19	0.0	--	--	--	--	17	0.1
Eye	42,286	2.9	--	--	--	--	--	--	--	--
Neck	22,885	1.6	446	0.8	49	0.5	40	0.5	138	0.8
Trunk	522,055	36.3	10,481	17.9	296	2.8	1,486	18.7	4,130	22.9
Back	345,294	24.0	4,304	7.3	46	0.4	614	7.7	2,033	11.3
Shoulder	83,924	5.8	5,180	8.8	225	2.1	780	9.8	1,831	10.2
Upper extremities	328,274	22.9	42,356	72.3	9,236	85.9	6,057	76.2	12,368	68.7
Finger	121,562	8.5	1,987	3.4	280	2.6	327	4.1	662	3.7
Hand, except finger	55,894	3.9	2,270	3.9	255	2.4	525	6.6	948	5.3
Wrist	69,187	4.8	28,998	49.5	6,993	65.1	3,903	49.1	7,919	44.0
Lower extremities	304,453	21.2	1,222	2.1	--	--	--	--	266	1.5
Knee	113,035	7.9	735	1.3	--	--	--	--	148	0.8
Foot, toe	60,729	4.2	115	0.2	--	--	--	--	--	--
Body systems	19,933	1.4	42	0.1	--	--	--	--	--	--
Multiple	139,445	9.7	3,861	6.6	1,119	10.4	332	4.2	1,050	5.8
All other	8,921	0.6	149	0.3	--	--	--	--	36	0.2
Source of injury, illness:										
Chemicals, chemical products	20,652	1.4	--	--	--	--	--	--	--	--
Containers	193,146	13.4	--	--	--	--	--	--	--	--
Furniture, fixtures	52,393	3.6	--	--	--	--	--	--	--	--
Machinery	92,560	6.4	--	--	--	--	--	--	--	--
Parts and materials	147,553	10.3	--	--	--	--	--	--	--	--
Worker motion or position	220,794	15.4	58,576	100.0	10,750	100.0	7,949	100.0	18,006	100.0
Floor, ground surfaces	255,548	17.8	--	--	--	--	--	--	--	--
Handtools	66,588	4.6	--	--	--	--	--	--	--	--
Vehicles	118,569	8.3	--	--	--	--	--	--	--	--
Health care patient	69,994	4.9	--	--	--	--	--	--	--	--
All other	198,395	13.8	--	--	--	--	--	--	--	--

<sup>1</sup> Days away from work include those that result in days away from work with or without job transfer or restriction.

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

<sup>3</sup> Data for Mining (Division B in the Standard Industrial Classification Manual, 1987 edition) include establishments not governed by the Mine Safety and Health Administration (MSHA) rules and reporting, such as those in oil and gas extraction. Data for mining operators in coal, metal, and nonmetal mining are provided to BLS by the Mine Safety and Health Administration, U.S. Department of Labor. Independent mining contractors are excluded from the coal, metal, and nonmetal mining industries. These data do not reflect the changes OSHA made to its recordkeeping requirements effective January 1, 2002; therefore estimates for these industries are not comparable with estimates for other industries.

<sup>4</sup> Data for employers in railroad transportation are provided to BLS by the Federal Railroad Administration, U.S. Department of Transportation. These data do not reflect the changes OSHA made to its recordkeeping requirements effective January 1, 2002; therefore estimates for these industries are not comparable with estimates for other industries.

NOTE: Because of rounding and data exclusion of nonclassifiable responses, data may not sum to the totals. "Repetitive motion" includes data for types of motion not classified or classified as a motion other than the three shown separately. Dashes indicate data that do not meet publication guidelines. The scientifically selected probability sample used in 2002 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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