

Table 3. Number and percent of nonfatal occupational injuries and illnesses involving days away from work¹ involving repetitive motion by selected worker and case characteristics, 1998

| 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: | 1,730,534 | 100.0 | 65,866 | 100.0 | 9,784 | 100.0 | 9,364 | 100.0 | 21,164 | 100.0 |
| Sex: | | | | | | | | | | |
| Men | 1,147,388 | 66.3 | 23,272 | 35.3 | 688 | 7.0 | 4,915 | 52.5 | 8,225 | 38.9 |
| Women | 571,341 | 33.0 | 42,347 | 64.3 | 9,087 | 92.9 | 4,411 | 47.1 | 12,824 | 60.6 |
| Age: | | | | | | | | | | |
| Under 14 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 14 to 15 | 276 | 0.0 | -- | -- | -- | -- | -- | -- | -- | -- |
| 16 to 19 | 60,415 | 3.5 | 638 | 1.0 | -- | -- | 92 | 1.0 | 304 | 1.4 |
| 20 to 24 | 200,225 | 11.6 | 4,383 | 6.7 | 751 | 7.7 | 649 | 6.9 | 1,429 | 6.8 |
| 25 to 34 | 487,214 | 28.2 | 15,559 | 23.6 | 2,215 | 22.6 | 2,332 | 24.9 | 5,328 | 25.2 |
| 35 to 44 | 488,819 | 28.2 | 21,856 | 33.2 | 3,516 | 35.9 | 3,120 | 33.3 | 6,671 | 31.5 |
| 45 to 54 | 311,745 | 18.0 | 16,027 | 24.3 | 2,172 | 22.2 | 2,090 | 22.3 | 5,168 | 24.4 |
| 55 to 64 | 131,717 | 7.6 | 5,947 | 9.0 | 877 | 9.0 | 938 | 10.0 | 1,888 | 8.9 |
| 65 and over | 21,104 | 1.2 | 556 | 0.8 | 52 | 0.5 | 77 | 0.8 | 135 | 0.6 |
| Occupation: | | | | | | | | | | |
| Managerial and professional | 98,941 | 5.7 | 3,488 | 5.3 | 1,664 | 17.0 | 145 | 1.5 | 484 | 2.3 |
| Technical, sales, and administrative support | 251,056 | 14.5 | 17,088 | 25.9 | 7,731 | 79.0 | 821 | 8.8 | 3,156 | 14.9 |
| Service | 297,491 | 17.2 | 4,319 | 6.6 | 61 | 0.6 | 477 | 5.1 | 1,296 | 6.1 |
| Farming, forestry, and fishing | 47,015 | 2.7 | 471 | 0.7 | 18 | 0.2 | 159 | 1.7 | 140 | 0.7 |
| Precision production, craft, and repair | 293,470 | 17.0 | 8,857 | 13.4 | 78 | 0.8 | 2,679 | 28.6 | 2,441 | 11.5 |
| Operators, fabricators, and laborers | 729,025 | 42.1 | 31,294 | 47.5 | 220 | 2.2 | 5,063 | 54.1 | 13,487 | 63.7 |
| Length of service with employer: | | | | | | | | | | |
| Less than 3 months | 221,317 | 12.8 | 3,409 | 5.2 | 160 | 1.6 | 661 | 7.1 | 1,301 | 6.1 |
| 3 months to 11 months | 317,226 | 18.3 | 8,037 | 12.2 | 995 | 10.2 | 1,076 | 11.5 | 2,883 | 13.6 |
| 1 year to 5 years | 547,496 | 31.6 | 21,707 | 33.0 | 3,421 | 35.0 | 3,095 | 33.1 | 6,960 | 32.9 |
| More than 5 years | 444,508 | 25.7 | 25,568 | 38.8 | 4,042 | 41.3 | 3,481 | 37.2 | 8,099 | 38.3 |
| Not reported | 199,986 | 11.6 | 7,145 | 10.8 | 1,165 | 11.9 | 1,051 | 11.2 | 1,922 | 9.1 |
| Race or ethnic origin: | | | | | | | | | | |
| White, non-Hispanic | 882,428 | 51.0 | 35,603 | 54.1 | 5,117 | 52.3 | 5,198 | 55.5 | 11,711 | 55.3 |
| Black, non-Hispanic | 157,435 | 9.1 | 4,797 | 7.3 | 633 | 6.5 | 615 | 6.6 | 1,920 | 9.1 |
| Hispanic | 179,399 | 10.4 | 5,000 | 7.6 | 379 | 3.9 | 538 | 5.7 | 1,767 | 8.3 |
| Asian or Pacific Islander | 26,782 | 1.5 | 1,527 | 2.3 | 431 | 4.4 | 101 | 1.1 | 388 | 1.8 |
| American Indian or Alaskan Native | 7,431 | 0.4 | 303 | 0.5 | -- | -- | 71 | 0.8 | 73 | 0.3 |
| Not reported | 477,059 | 27.6 | 18,635 | 28.3 | 3,213 | 32.8 | 2,841 | 30.3 | 5,307 | 25.1 |

See footnotes at end of table.

Table 3. Number and percent of nonfatal occupational injuries and illnesses involving days away from work¹ involving repetitive motion by selected worker and case characteristics, 1998

| 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 ² | 41,741 | 2.4 | 390 | 0.6 | -- | -- | 112 | 1.2 | 107 | 0.5 |
| Mining ³ | 13,734 | 0.8 | 81 | 0.1 | 27 | 0.3 | -- | -- | -- | -- |
| Construction | 178,341 | 10.3 | 2,521 | 3.8 | 72 | 0.7 | 847 | 9.0 | 568 | 2.7 |
| Manufacturing | 429,634 | 24.8 | 32,481 | 49.3 | 1,249 | 12.8 | 6,147 | 65.6 | 13,209 | 62.4 |
| Transportation and public utilities ³ | 200,387 | 11.6 | 3,925 | 6.0 | 1,124 | 11.5 | 229 | 2.4 | 996 | 4.7 |
| Wholesale trade | 135,205 | 7.8 | 3,027 | 4.6 | 480 | 4.9 | 298 | 3.2 | 903 | 4.3 |
| Retail trade | 294,423 | 17.0 | 6,993 | 10.6 | 606 | 6.2 | 631 | 6.7 | 2,415 | 11.4 |
| Finance, insurance, and real estate | 35,942 | 2.1 | 3,877 | 5.9 | 2,163 | 22.1 | 118 | 1.3 | 605 | 2.9 |
| Services | 401,128 | 23.2 | 12,570 | 19.1 | 4,031 | 41.2 | 982 | 10.5 | 2,356 | 11.1 |
| Public sector | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Number of days away from work: | | | | | | | | | | |
| Cases involving 1 day | 289,473 | 16.7 | 5,225 | 7.9 | 612 | 6.3 | 1,071 | 11.4 | 1,799 | 8.5 |
| Cases involving 2 days | 231,728 | 13.4 | 4,790 | 7.3 | 796 | 8.1 | 624 | 6.7 | 1,768 | 8.4 |
| Cases involving 3-5 days | 349,120 | 20.2 | 9,155 | 13.9 | 1,422 | 14.5 | 1,343 | 14.3 | 2,971 | 14.0 |
| Cases involving 6-10 days | 223,600 | 12.9 | 8,558 | 13.0 | 1,447 | 14.8 | 1,200 | 12.8 | 2,911 | 13.8 |
| Cases involving 11-20 days | 194,485 | 11.2 | 10,160 | 15.4 | 1,679 | 17.2 | 1,395 | 14.9 | 3,059 | 14.5 |
| Cases involving 21-30 days | 111,223 | 6.4 | 6,215 | 9.4 | 812 | 8.3 | 936 | 10.0 | 1,945 | 9.2 |
| Cases involving 31 or more days | 330,905 | 19.1 | 21,762 | 33.0 | 3,016 | 30.8 | 2,795 | 29.8 | 6,712 | 31.7 |
| Median days away from work | 5 | | 15 | | 13 | | 13 | | 14 | |
| Nature of injury, illness: | | | | | | | | | | |
| Sprains, strains | 760,024 | 43.9 | 10,992 | 16.7 | 679 | 6.9 | 1,832 | 19.6 | 4,116 | 19.4 |
| Fractures | 115,438 | 6.7 | -- | -- | -- | -- | -- | -- | -- | -- |
| Cuts, lacerations, punctures | 160,788 | 9.3 | -- | -- | -- | -- | -- | -- | -- | -- |
| Bruises, contusions | 153,108 | 8.8 | 17 | 0.0 | -- | -- | -- | -- | -- | -- |
| Heat burns | 28,359 | 1.6 | -- | -- | -- | -- | -- | -- | -- | -- |
| Chemical burns | 11,695 | 0.7 | -- | -- | -- | -- | -- | -- | -- | -- |
| Amputations | 10,243 | 0.6 | -- | -- | -- | -- | -- | -- | -- | -- |
| Carpal tunnel syndrome | 26,266 | 1.5 | 26,058 | 39.6 | 5,463 | 55.8 | 3,480 | 37.2 | 7,171 | 33.9 |
| Tendonitis | 16,900 | 1.0 | 10,474 | 15.9 | 1,395 | 14.3 | 1,407 | 15.0 | 4,065 | 19.2 |
| Multiple injuries | 57,626 | 3.3 | -- | -- | -- | -- | -- | -- | -- | -- |
| With fractures | 11,141 | 0.6 | -- | -- | -- | -- | -- | -- | -- | -- |
| With sprains | 21,386 | 1.2 | -- | -- | -- | -- | -- | -- | -- | -- |
| Soreness, Pain | 101,599 | 5.9 | 4,830 | 7.3 | 456 | 4.7 | 578 | 6.2 | 1,675 | 7.9 |
| Back pain | 42,353 | 2.4 | 552 | 0.8 | -- | -- | 49 | 0.5 | 208 | 1.0 |
| All other | 288,489 | 16.7 | 13,487 | 20.5 | 1,791 | 18.3 | 2,049 | 21.9 | 4,137 | 19.5 |

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Table 3. Number and percent of nonfatal occupational injuries and illnesses involving days away from work¹ involving repetitive motion by selected worker and case characteristics, 1998

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|------------------------------|------------|---------|-------------------|---------|-------------------------------|---------|-------------------------|---------|---------------------------------------------------------------|---------|
| | Number | Percent | Number | Percent | Number | Percent | Number | Percent | Number | Percent |
| Part of body affected: | | | | | | | | | | |
| Head | 117,528 | 6.8 | -- | -- | -- | -- | -- | -- | -- | -- |
| Eye | 58,526 | 3.4 | -- | -- | -- | -- | -- | -- | -- | -- |
| Neck | 29,874 | 1.7 | 673 | 1.0 | 49 | 0.5 | 61 | 0.7 | 204 | 1.0 |
| Trunk | 645,074 | 37.3 | 9,787 | 14.9 | 262 | 2.7 | 1,278 | 13.6 | 4,102 | 19.4 |
| Back | 440,160 | 25.4 | 3,826 | 5.8 | 59 | 0.6 | 562 | 6.0 | 1,532 | 7.2 |
| Shoulder | 89,337 | 5.2 | 5,108 | 7.8 | 199 | 2.0 | 616 | 6.6 | 2,200 | 10.4 |
| Upper extremities | 400,797 | 23.2 | 51,106 | 77.6 | 8,916 | 91.1 | 7,573 | 80.9 | 15,823 | 74.8 |
| Finger | 147,544 | 8.5 | 2,343 | 3.6 | 166 | 1.7 | 555 | 5.9 | 870 | 4.1 |
| Hand, except finger | 73,827 | 4.3 | 2,610 | 4.0 | 231 | 2.4 | 592 | 6.3 | 949 | 4.5 |
| Wrist | 84,471 | 4.9 | 35,670 | 54.2 | 7,026 | 71.8 | 4,861 | 51.9 | 10,288 | 48.6 |
| Lower extremities | 355,196 | 20.5 | 1,149 | 1.7 | -- | -- | 19 | 0.2 | 152 | 0.7 |
| Knee | 122,293 | 7.1 | 652 | 1.0 | -- | -- | -- | -- | 109 | 0.5 |
| Foot, toe | 84,292 | 4.9 | 179 | 0.3 | -- | -- | -- | -- | -- | -- |
| Body systems | 22,296 | 1.3 | 38 | 0.1 | -- | -- | -- | -- | -- | -- |
| Multiple | 142,532 | 8.2 | 2,903 | 4.4 | 553 | 5.7 | 380 | 4.1 | 807 | 3.8 |
| All other | 17,238 | 1.0 | 174 | 0.3 | -- | -- | 44 | 0.5 | 61 | 0.3 |
| Source of injury, illness: | | | | | | | | | | |
| Chemicals, chemical products | 28,797 | 1.7 | -- | -- | -- | -- | -- | -- | -- | -- |
| Containers | 253,040 | 14.6 | -- | -- | -- | -- | -- | -- | -- | -- |
| Furniture, fixtures | 61,527 | 3.6 | -- | -- | -- | -- | -- | -- | -- | -- |
| Machinery | 118,020 | 6.8 | -- | -- | -- | -- | -- | -- | -- | -- |
| Parts and materials | 199,400 | 11.5 | -- | -- | -- | -- | -- | -- | -- | -- |
| Worker motion or position | 262,690 | 15.2 | 65,866 | 100.0 | 9,784 | 100.0 | 9,364 | 100.0 | 21,164 | 100.0 |
| Floor, ground surfaces | 268,749 | 15.5 | -- | -- | -- | -- | -- | -- | -- | -- |
| Handtools | 80,604 | 4.7 | -- | -- | -- | -- | -- | -- | -- | -- |
| Vehicles | 135,867 | 7.9 | -- | -- | -- | -- | -- | -- | -- | -- |
| Health care patient | 80,413 | 4.6 | -- | -- | -- | -- | -- | -- | -- | -- |
| All other | 241,427 | 14.0 | -- | -- | -- | -- | -- | -- | -- | -- |

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

² Excludes farms with fewer than 11 employees.

³ 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.

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 1998 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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