

**Table 6. Incidence rates<sup>1</sup> of nonfatal occupational injuries and illnesses by industry and selected case types, 1998**

**Utah**

| Industry <sup>2</sup>  | SIC code <sup>3</sup> | 1998 Annual average employment <sup>4</sup> (000's) | Injuries and Illnesses |                    |                                       |                              | Injuries    |                    |                                       |                              |
|--|-----------------------|---|------------------------|--------------------|---------------------------------------|------------------------------|-------------|--------------------|---------------------------------------|------------------------------|
|  |                       |   | Total cases            | Lost workday cases |                                       | Cases without lost work-days | Total cases | Lost workday cases |                                       | Cases without lost work-days |
|  |                       |   |                        | Total <sup>5</sup> | With days away from work <sup>6</sup> |                              |             | Total <sup>5</sup> | With days away from work <sup>6</sup> |                              |
| <b>All Industries including State and local government<sup>7</sup></b> |                       | 960.7   | 7.3                    | 2.8                | 1.8                                   | 4.5                          | 7.0         | 2.6                | 1.7                                   | 4.3                          |
| <b>Private Industry<sup>7</sup></b>                                    |                       | 826.4   | 7.6                    | 3.0                | 1.9                                   | 4.6                          | 7.2         | 2.8                | 1.9                                   | 4.4                          |
| <b>Agriculture, forestry, and fishing<sup>7</sup></b>                  |                       | --  | 10.7                   | 5.5                | 3.5                                   | 5.2                          | 10.4        | 5.3                | 3.3                                   | 5.1                          |
| <b>Mining<sup>8</sup></b>  |                       | 8.0   | 4.6                    | 3.1                | 2.6                                   | 1.5                          | 4.5         | 3.1                | 2.6                                   | 1.4                          |
| Nonmetallic minerals, except fuels <sup>8</sup>                        | 14                    | 1.0   | 3.7                    | 2.1                | 1.8                                   | 1.6                          | 3.6         | 2.1                | 1.8                                   | 1.5                          |
| <b>Construction</b>  |                       | 68.3  | 11.5                   | 4.5                | 3.4                                   | 7.0                          | 11.4        | 4.5                | 3.4                                   | 6.9                          |
| General building contractors   | 15                    | 16.7  | 11.2                   | 6.1                | 4.3                                   | 5.1                          | 11.1        | 6.0                | 4.3                                   | 5.0                          |
| Nonresidential building construction                                   | 154                   | 7.1   | 14.2                   | 7.0                | 3.0                                   | 7.3                          | 14.0        | 6.9                | 2.9                                   | 7.2                          |
| Heavy construction, except building                                    | 16                    | 8.0   | 11.7                   | 4.1                | 3.2                                   | 7.7                          | 11.7        | 4.1                | 3.2                                   | 7.7                          |
| Highway and street construction  | 161                   | 3.6   | 10.3                   | 3.5                | 2.3                                   | 6.8                          | 10.3        | 3.5                | 2.3                                   | 6.8                          |
| Heavy construction, except highway                                     | 162                   | 4.4   | 13.0                   | 4.6                | 4.0                                   | 8.4                          | 13.0        | 4.6                | 4.0                                   | 8.4                          |
| Special trade contractors  | 17                    | 43.5  | 11.6                   | 4.0                | 3.1                                   | 7.5                          | 11.5        | 4.0                | 3.1                                   | 7.5                          |
| Plumbing, heating, air-conditioning                                    | 171                   | 7.9   | 19.4                   | 6.3                | 4.1                                   | 13.1                         | 19.4        | 6.3                | 4.1                                   | 13.1                         |
| Masonry, stonework, and plastering                                     | 174                   | 8.1   | 7.9                    | 3.1                | 2.4                                   | 4.9                          | 7.9         | 3.0                | 2.4                                   | 4.9                          |
| Roofing, siding, and sheet metal work                                  | 176                   | 3.4   | 15.4                   | 10.1               | 7.8                                   | 5.3                          | 15.2        | 10.0               | 7.6                                   | 5.2                          |
| Miscellaneous special trade contractors                                | 179                   | 7.6   | 12.0                   | 2.6                | 2.0                                   | 9.5                          | 12.0        | 2.5                | 1.9                                   | 9.5                          |
| <b>Manufacturing</b>   |                       | 132.6   | 11.0                   | 4.3                | 2.0                                   | 6.6                          | 9.6         | 3.6                | 1.8                                   | 6.0                          |
| Durable goods  |                       | 88.0  | 11.1                   | 4.2                | 2.1                                   | 6.9                          | 9.9         | 3.6                | 1.9                                   | 6.3                          |
| Stone, clay, and glass products  | 32                    | 5.5   | 10.9                   | 4.2                | 2.9                                   | 6.6                          | 10.2        | 3.9                | 2.9                                   | 6.3                          |
| Concrete, gypsum, and plaster products                                 | 327                   | 3.6   | 8.8                    | 4.4                | 3.8                                   | 4.4                          | 8.7         | 4.3                | 3.7                                   | 4.4                          |
| Fabricated metal products  | 34                    | 9.5   | 18.1                   | 5.9                | 3.4                                   | 12.3                         | 18.0        | 5.8                | 3.4                                   | 12.2                         |
| Fabricated structural metal products                                   | 344                   | 5.4   | 21.1                   | 6.3                | 5.0                                   | 14.8                         | 21.1        | 6.3                | 5.0                                   | 14.8                         |
| Industrial machinery and equipment                                     | 35                    | 13.0  | 8.0                    | 3.1                | 1.7                                   | 5.0                          | 7.3         | 3.0                | 1.7                                   | 4.3                          |
| Industrial machinery, n.e.c.   | 359                   | 3.2   | 8.0                    | 1.2                | 1.2                                   | 6.8                          | 7.2         | 1.2                | 1.2                                   | 6.0                          |
| Transportation equipment   | 37                    | 17.4  | 9.5                    | 3.9                | 1.4                                   | 5.6                          | 7.5         | 2.8                | 1.2                                   | 4.7                          |
| Aircraft and parts   | 372                   | 2.9   | 5.9                    | 2.4                | 1.7                                   | 3.5                          | 4.8         | 1.8                | 1.6                                   | 3.0                          |
| Medical instruments and supplies                                       | 384                   | 8.3   | 6.7                    | 3.7                | 1.4                                   | 3.0                          | 5.2         | 2.6                | 1.3                                   | 2.6                          |
| Miscellaneous manufacturing industries                                 | 39                    | 9.0   | 14.1                   | 4.4                | 1.6                                   | 9.7                          | 13.1        | 4.0                | 1.6                                   | 9.2                          |
| Nondurable goods   |                       | 44.6  | 10.7                   | 4.7                | 1.8                                   | 6.0                          | 9.0         | 3.7                | 1.6                                   | 5.4                          |
| Meat products  | 201                   | 2.3   | 24.0                   | 10.2               | 3.3                                   | 13.8                         | 20.5        | 7.9                | 3.1                                   | 12.6                         |
| Bakery products  | 205                   | 2.3   | 9.7                    | 3.6                | --                                    | 6.1                          | 6.9         | 2.0                | --                                    | 4.9                          |
| Miscellaneous fabricated textile products                              | 239                   | 2.1   | 14.2                   | 4.1                | 3.4                                   | 10.1                         | 11.5        | 2.6                | 2.0                                   | 9.0                          |
| Printing and publishing  | 27                    | 12.4  | 6.8                    | 3.0                | 1.8                                   | 3.7                          | 6.3         | 2.7                | 1.7                                   | 3.6                          |
| Newspapers   | 271                   | 3.2   | 9.3                    | 4.3                | 4.1                                   | 4.9                          | 9.0         | 4.2                | 3.9                                   | 4.9                          |
| Books  | 273                   | 2.1   | 7.7                    | 3.8                | 1.4                                   | 4.0                          | 7.3         | 3.2                | 1.0                                   | 4.0                          |
| Commercial printing  | 275                   | 4.3   | 4.2                    | 2.0                | 1.1                                   | 2.2                          | 3.9         | 1.8                | 1.0                                   | 2.1                          |
| Chemicals and allied products  | 28                    | 7.1   | 10.3                   | 6.2                | 1.9                                   | 4.1                          | 8.8         | 5.2                | 1.6                                   | 3.6                          |
| Petroleum and coal products  | 29                    | 1.2   | 3.4                    | 2.2                | 2.1                                   | 1.3                          | 3.1         | 1.9                | 1.8                                   | 1.3                          |
| Rubber and miscellaneous plastics products                             | 30                    | 4.3   | 11.2                   | 5.7                | --                                    | 5.5                          | 8.3         | 3.1                | --                                    | 5.2                          |

See footnotes at end of table.

**Table 6. Incidence rates<sup>1</sup> of nonfatal occupational injuries and illnesses by industry and selected case types, 1998 -- Continued**

**Utah**

| Industry <sup>2</sup>                                  | SIC code <sup>3</sup> | 1998 Annual average employment <sup>4</sup> (000's) | Injuries and Illnesses |                    |                                       |                              | Injuries         |                    |                                       |                              |
|--|-----------------------|---|------------------------|--------------------|---------------------------------------|------------------------------|------------------|--------------------|---------------------------------------|------------------------------|
|  |                       |   | Total cases            | Lost workday cases |                                       | Cases without lost work-days | Total cases      | Lost workday cases |                                       | Cases without lost work-days |
|  |                       |   |                        | Total <sup>5</sup> | With days away from work <sup>6</sup> |                              |                  | Total <sup>5</sup> | With days away from work <sup>6</sup> |                              |
| <b>Transportation and public utilities<sup>8</sup></b> |                       | 56.6  | 7.7                    | 4.6                | 3.5                                   | 3.0                          | 7.5              | 4.5                | 3.4                                   | 3.0                          |
| Railroad transportation <sup>8</sup>                   | 40                    | --  | 3.1                    | 2.6                | 2.3                                   | 0.5                          | 3.1              | 2.6                | 2.3                                   | 0.5                          |
| Trucking and warehousing                               | 42                    | 20.6  | 6.0                    | 3.6                | 2.3                                   | 2.4                          | 6.0              | 3.6                | 2.3                                   | 2.4                          |
| Trucking and courier services, except air              | 421                   | 19.8  | 6.1                    | 3.6                | 2.3                                   | 2.5                          | 6.1              | 3.6                | 2.3                                   | 2.5                          |
| Transportation by air                                  | 45                    | 13.5  | 16.6                   | 11.2               | 9.4                                   | 5.3                          | 16.3             | 11.1               | 9.3                                   | 5.2                          |
| Air transportation, scheduled                          | 451                   | 12.0  | 17.2                   | 11.9               | 9.8                                   | 5.3                          | 16.9             | 11.8               | 9.7                                   | 5.1                          |
| Transportation services                                | 47                    | 3.0   | 2.4                    | 1.2                | 1.2                                   | 1.2                          | 2.4              | 1.2                | 1.2                                   | 1.2                          |
| Communications   | 48                    | 10.1  | 4.4                    | 1.8                | 0.9                                   | 2.6                          | 4.3              | 1.7                | 0.8                                   | 2.6                          |
| Electric, gas, and sanitary services                   | 49                    | 7.8   | 6.1                    | 3.0                | 2.0                                   | 3.1                          | 5.4              | 2.6                | 2.0                                   | 2.8                          |
| <b>Wholesale and retail trade</b>                      |                       | 242.5   | 8.0                    | 2.6                | 1.8                                   | 5.4                          | 7.8              | 2.6                | 1.7                                   | 5.2                          |
| Wholesale trade  |                       | 50.2  | 7.5                    | 3.2                | 1.8                                   | 4.3                          | 7.3              | 3.1                | 1.8                                   | 4.2                          |
| Wholesale trade--durable goods                         | 50                    | 29.8  | 6.3                    | 3.0                | 1.7                                   | 3.3                          | 6.2              | 3.0                | 1.7                                   | 3.2                          |
| Professional and commercial equipment                  | 504                   | 6.0   | 1.7                    | 1.0                | 0.7                                   | 0.7                          | 1.6              | 1.0                | 0.7                                   | 0.7                          |
| Machinery, equipment, and supplies                     | 508                   | 7.1   | 7.2                    | 3.0                | 2.1                                   | 4.2                          | 7.2              | 3.0                | 2.1                                   | 4.2                          |
| Wholesale trade--nondurable goods                      | 51                    | 20.4  | 9.2                    | 3.5                | 2.1                                   | 5.7                          | 9.0              | 3.3                | 2.0                                   | 5.6                          |
| Groceries and related products                         | 514                   | 8.1   | 12.4                   | 4.5                | 2.7                                   | 7.9                          | 12.3             | 4.5                | 2.7                                   | 7.9                          |
| Retail trade   |                       | 192.3   | 8.2                    | 2.4                | 1.7                                   | 5.7                          | 8.0              | 2.4                | 1.7                                   | 5.6                          |
| Building materials and garden supplies                 | 52                    | 8.4   | 15.9                   | 6.0                | 2.3                                   | 9.9                          | 15.2             | 6.0                | 2.3                                   | 9.2                          |
| Lumber and other building materials                    | 521                   | 5.2   | 18.8                   | 7.0                | 2.6                                   | 11.8                         | 18.0             | 7.0                | 2.6                                   | 11.0                         |
| General merchandise stores                             | 53                    | 24.1  | 9.1                    | 2.5                | 1.5                                   | 6.6                          | 8.7              | 2.4                | 1.4                                   | 6.3                          |
| Department stores                                      | 531                   | 22.6  | 9.5                    | 2.6                | 1.6                                   | 6.8                          | 9.1              | 2.6                | 1.5                                   | 6.5                          |
| Miscellaneous general merchandise stores               | 539                   | 0.5   | ( <sup>9</sup> )       | ( <sup>9</sup> )   | ( <sup>9</sup> )                      | ( <sup>9</sup> )             | ( <sup>9</sup> ) | ( <sup>9</sup> )   | ( <sup>9</sup> )                      | ( <sup>9</sup> )             |
| Food stores  | 54                    | 31.2  | 10.6                   | 2.6                | 2.5                                   | 8.0                          | 10.5             | 2.6                | 2.5                                   | 8.0                          |
| Grocery stores   | 541                   | 26.9  | 11.5                   | 2.8                | 2.7                                   | 8.7                          | 11.5             | 2.8                | 2.7                                   | 8.7                          |
| Automotive dealers and service stations                | 55                    | 22.8  | 6.1                    | 2.1                | 1.7                                   | 4.0                          | 6.1              | 2.0                | 1.7                                   | 4.0                          |
| New and used car dealers                               | 551                   | 8.5   | 6.7                    | 2.4                | 1.8                                   | 4.3                          | 6.7              | 2.4                | 1.8                                   | 4.3                          |
| Gasoline service stations                              | 554                   | 7.9   | 4.9                    | 1.3                | 1.0                                   | 3.7                          | 4.9              | 1.2                | 0.9                                   | 3.7                          |
| Apparel and accessory stores                           | 56                    | 8.6   | 2.9                    | 0.7                | 0.4                                   | 2.2                          | 2.9              | 0.7                | 0.4                                   | 2.2                          |
| Furniture and homefurnishings stores                   | 57                    | 10.5  | 4.6                    | 1.8                | 1.3                                   | 2.7                          | 4.6              | 1.8                | 1.3                                   | 2.7                          |
| Eating and drinking places                             | 58                    | 62.7  | 9.3                    | 2.6                | 2.1                                   | 6.7                          | 9.1              | 2.6                | 2.1                                   | 6.5                          |
| Miscellaneous retail                                   | 59                    | 23.9  | 3.7                    | 1.3                | 0.6                                   | 2.5                          | 3.5              | 1.1                | 0.6                                   | 2.4                          |
| Miscellaneous shopping goods stores                    | 594                   | 11.3  | 4.1                    | 1.3                | 0.9                                   | 2.8                          | 4.1              | 1.3                | 0.9                                   | 2.8                          |
| <b>Finance, insurance, and real estate</b>             |                       | 55.2  | 1.6                    | 0.5                | 0.4                                   | 1.1                          | 1.5              | 0.4                | 0.4                                   | 1.1                          |
| Real estate  | 65                    | 9.9   | 4.0                    | 1.0                | 0.8                                   | 2.9                          | 4.0              | 1.0                | 0.8                                   | 2.9                          |
| <b>Services</b>  |                       | 254.7   | 5.1                    | 2.1                | 1.4                                   | 3.0                          | 4.9              | 2.0                | 1.3                                   | 2.9                          |
| Hotels and other lodging places                        | 70                    | 17.1  | 4.3                    | 1.8                | 0.8                                   | 2.5                          | 4.2              | 1.8                | 0.8                                   | 2.4                          |
| Personal services                                      | 72                    | 8.8   | 2.6                    | 0.4                | 0.3                                   | 2.3                          | 2.6              | 0.3                | 0.2                                   | 2.3                          |
| Business services                                      | 73                    | 73.2  | 4.9                    | 2.4                | 1.7                                   | 2.5                          | 4.5              | 2.2                | 1.6                                   | 2.3                          |

See footnotes at end of table.

**Table 6. Incidence rates<sup>1</sup> of nonfatal occupational injuries and illnesses by industry and selected case types, 1998 -- Continued**

**Utah**

| Industry <sup>2</sup>                 | SIC code <sup>3</sup> | 1998 Annual average employment <sup>4</sup> (000's) | Injuries and Illnesses |                    |                                       |                              | Injuries         |                    |                                       |                              |
|---------------------------------------|-----------------------|---|------------------------|--------------------|---------------------------------------|------------------------------|------------------|--------------------|---------------------------------------|------------------------------|
|                                       |                       |   | Total cases            | Lost workday cases |                                       | Cases without lost work-days | Total cases      | Lost workday cases |                                       | Cases without lost work-days |
|                                       |                       |   |                        | Total <sup>5</sup> | With days away from work <sup>6</sup> |                              |                  | Total <sup>5</sup> | With days away from work <sup>6</sup> |                              |
| Personnel supply services             | 736                   | 20.7  | 10.9                   | 5.9                | 2.2                                   | 5.0                          | 10.3             | 5.6                | 2.0                                   | 4.7                          |
| Computer and data processing services | 737                   | 19.3  | 0.7                    | 0.2                | 0.2                                   | 0.4                          | 0.4              | 0.1                | 0.1                                   | 0.3                          |
| Auto repair, services, and parking    | 75                    | 10.9  | 5.7                    | 3.0                | 2.7                                   | 2.8                          | 5.7              | 3.0                | 2.7                                   | 2.8                          |
| Miscellaneous repair services         | 76                    | 3.4   | 7.2                    | 2.3                | 2.0                                   | 4.9                          | 7.2              | 2.3                | 2.0                                   | 4.9                          |
| Miscellaneous repair shops            | 769                   | 2.3   | 9.9                    | 3.2                | 2.8                                   | 6.7                          | 9.9              | 3.2                | 2.8                                   | 6.7                          |
| Amusement and recreation services     | 79                    | 13.6  | 13.3                   | 4.0                | 2.9                                   | 9.3                          | 13.1             | 3.9                | 2.8                                   | 9.2                          |
| Miscellaneous amusement, recreation   | 799                   | 11.1  | 14.5                   | 4.4                | 3.1                                   | 10.1                         | 14.2             | 4.2                | 3.0                                   | 9.9                          |
| Health services                       | 80                    | 63.9  | 6.1                    | 2.4                | 1.2                                   | 3.7                          | 5.8              | 2.4                | 1.2                                   | 3.4                          |
| Nursing and personal care facilities  | 805                   | 8.8   | 21.5                   | 9.5                | 3.9                                   | 12.0                         | 21.0             | 9.5                | 3.9                                   | 11.4                         |
| Legal services                        | 81                    | 5.4   | ( <sup>9</sup> )       | ( <sup>9</sup> )   | ( <sup>9</sup> )                      | ( <sup>9</sup> )             | ( <sup>9</sup> ) | ( <sup>9</sup> )   | ( <sup>9</sup> )                      | ( <sup>9</sup> )             |
| Social services                       | 83                    | 13.8  | 5.2                    | 2.7                | 2.6                                   | 2.5                          | 5.2              | 2.7                | 2.5                                   | 2.5                          |
| Engineering and management services   | 87                    | 22.4  | 2.2                    | 0.7                | 0.4                                   | 1.5                          | 2.1              | 0.7                | 0.4                                   | 1.4                          |
| <b>State and local government</b>     |                       | 134.4   | 5.7                    | 1.3                | 1.1                                   | 4.4                          | 5.5              | 1.2                | 1.1                                   | 4.3                          |
| <b>State government</b>               |                       | 47.6  | 4.1                    | 0.8                | 0.7                                   | 3.3                          | 4.0              | 0.8                | 0.7                                   | 3.2                          |
| <b>Services</b>                       |                       | 28.6  | 4.6                    | 0.8                | 0.6                                   | 3.8                          | 4.5              | 0.7                | 0.5                                   | 3.8                          |
| <b>Public administration</b>          |                       | --  | --                     | --                 | --                                    | --                           | --               | --                 | --                                    | --                           |
| Administration of human resources     | 94                    | 5.4   | 2.8                    | 0.9                | 0.8                                   | 1.9                          | 2.1              | 0.8                | 0.7                                   | 1.3                          |
| Environmental quality and housing     | 95                    | 1.6   | 9.8                    | 1.9                | 1.7                                   | 7.8                          | 9.8              | 1.9                | 1.7                                   | 7.8                          |
| <b>Local government</b>               |                       | 86.8  | 6.7                    | 1.6                | 1.3                                   | 5.1                          | 6.6              | 1.5                | 1.3                                   | 5.1                          |
| <b>Services</b>                       |                       | 58.1  | 6.0                    | 1.2                | 1.1                                   | 4.8                          | 6.0              | 1.1                | 1.1                                   | 4.8                          |

<sup>1</sup> Incidence rates represent the number of injuries and illnesses per 100 full-time workers and were calculated as: (N/EH) x 200,000 where

N = number of injuries and illnesses  
 EH = total hours worked by all employees during the calendar year  
 200,000 = base for 100 equivalent full-time workers (working 40 hours per week, 50 weeks per year).

<sup>2</sup> Totals include data for industries not shown separately.

<sup>3</sup> *Standard Industrial Classification Manual*, 1987 Edition.

<sup>4</sup> Employment is expressed as an annual average and is derived primarily from the BLS-State Covered Employment and Wages program. Employment in private households (SIC 88) is excluded.

<sup>5</sup> Total lost workday cases involve days away from work, or days of restricted work activity, or both.

<sup>6</sup> Days-away-from-work cases include those which result in days away from

work with or without restricted work activity.

<sup>7</sup> Excludes farms with fewer than 11 employees.

<sup>8</sup> Data conforming to OSHA definitions for mining operators in coal, metal, and nonmetal mining and for employers 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>9</sup> Incidence rate less than 0.05.

NOTE: Because of rounding, components may not add to totals.

n.e.c. = not elsewhere classified.

-- Indicates data not available.

SOURCE: Bureau of Labor Statistics, U.S. Department of Labor, Survey of Occupational Injuries and Illnesses, in cooperation with participating State agencies.