



**MONTANA**  
Occupational Injuries and Illnesses

2004



**RESEARCH & ANALYSIS BUREAU**

WORKFORCE SERVICES DIVISION

MONTANA DEPARTMENT OF LABOR & INDUSTRY

# Montana Occupational Injuries and Illnesses

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## 2004

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Special thanks to all employers who responded to our survey.  
Without their participation, this report would not have been possible.

## Summary for 2004

In 2004, employees of Montana businesses experienced a total of 18,800 nonfatal occupational injuries and illnesses. This converts into an overall incidence rate of 7.2 accidents and illnesses per 100 full-time workers. Table 1 shows the number of injuries and illnesses and the corresponding incidence rates in private industry in Montana by major industry sectors.

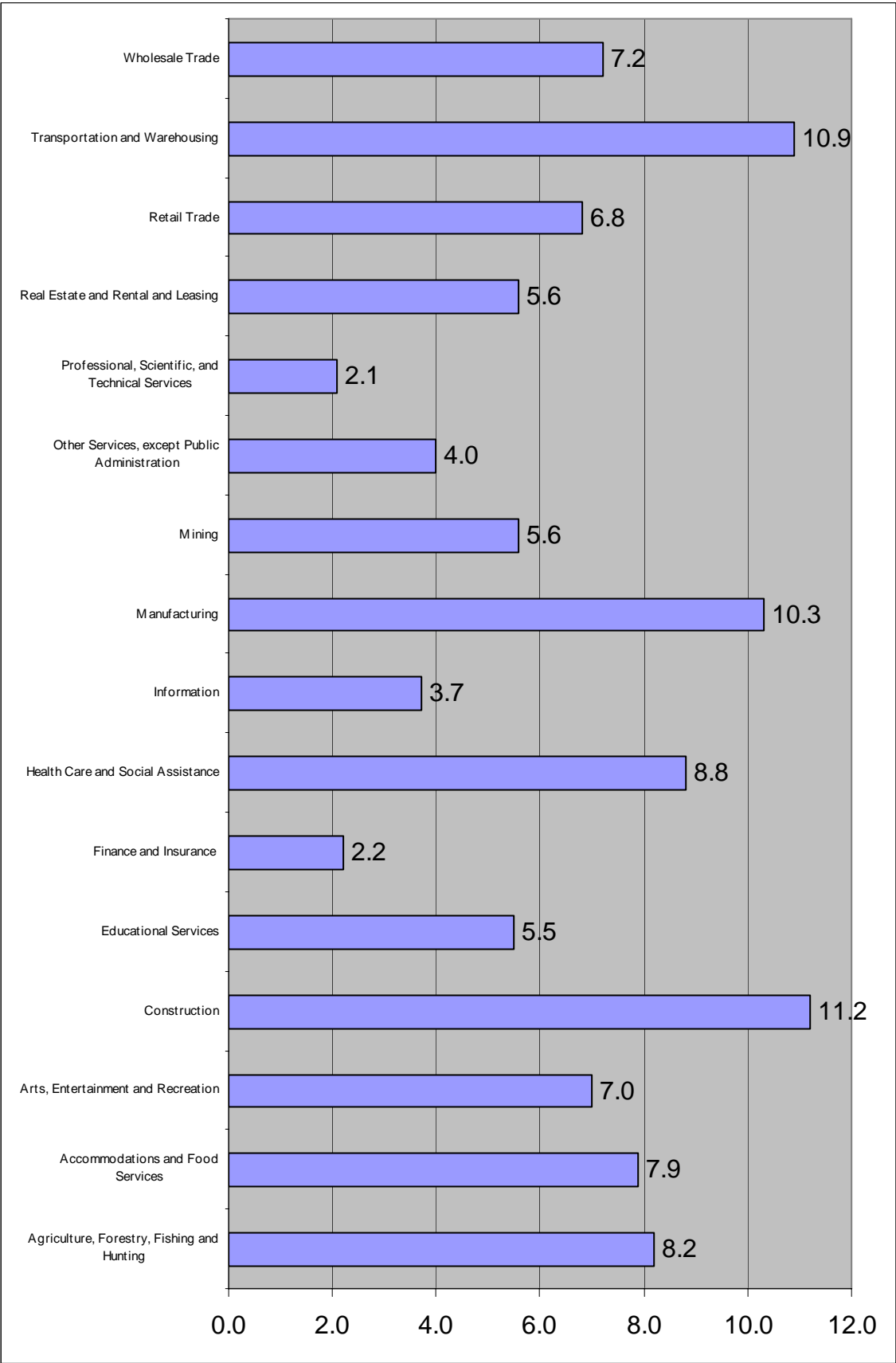
**Table 1. Annual employment and incidence rates of nonfatal occupational injuries and illnesses in private industry in Montana and United States; 2004**

|  | Annual<br>Average<br>Employment | Incidence<br>Rate (Number<br>per 100 FTE<br>Employees)<br><b>Montana</b> | Incidence<br>Rate (Number<br>per 100 FTE<br>Employees)<br><b>United States</b> |
|--|---------------------------------|--|--|
| Private Industry                                 | 321,000                         | 7.2  | 4.8  |
| Goods Producing Industries                       |                                 |  |  |
| --Agriculture, Forestry, Fishing and Hunting     | 2,700                           | 8.2  | 6.4  |
| --Mining   | 6,100                           | 5.6  | 3.8  |
| --Construction                                   | 24,800                          | 11.2   | 6.4  |
| --Manufacturing                                  | 19,200                          | 10.3   | 6.6  |
| Service Producing Industries                     |                                 |  |  |
| --Wholesale Trade                                | 16,000                          | 7.2  | 4.5  |
| --Retail Trade                                   | 54,900                          | 6.8  | 5.3  |
| --Transportation & Warehousing                   | 10,000                          | 10.9   | 7.3  |
| --Information                                    | 7,800                           | 3.7  | 2.0  |
| --Finance and Insurance                          | 15,300                          | 2.2  | 0.9  |
| --Real Estate and Rental and Leasing             | 5,600                           | 5.6  | 3.7  |
| --Professional, Scientific, & Technical Services | 16,500                          | 2.1  | 1.3  |
| --Educational Services                           | 3,700                           | 5.5  | 2.5  |
| --Health Care and Social Assistance              | 50,200                          | 8.8  | 6.2  |
| --Arts, Entertainment and Recreation             | 9,600                           | 7.0  | 5.9  |
| --Accommodations and Food Services               | 44,200                          | 7.9  | 4.5  |
| --Other Services, except Public Administration   | 15,000                          | 4.0  | 3.2  |

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

OSHS industries stated above are North American Industry Classification System (NAICS) based.

Comparison of overall incidence rates by Major Industry, Montana; 2004

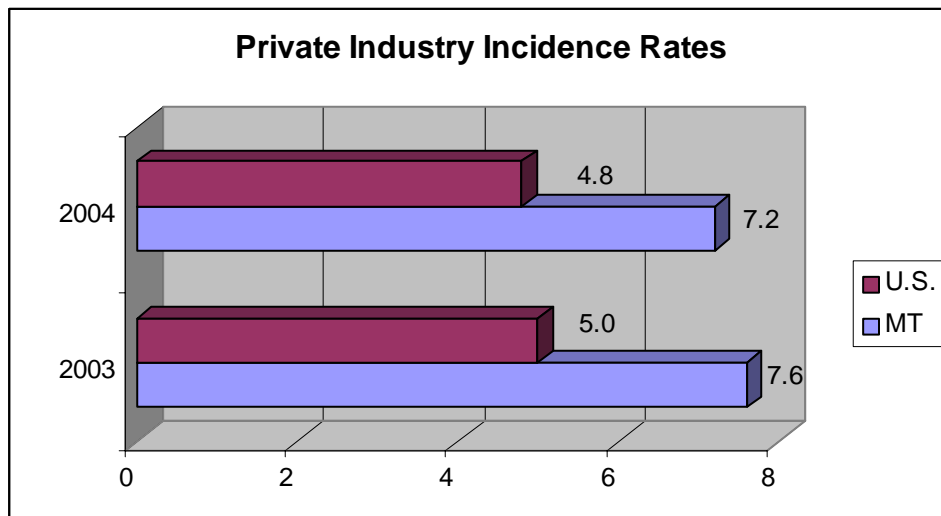


In general, industries involved in producing goods (agriculture, construction and manufacturing) have incidence rates of occupational injuries and illnesses which are higher than industries engaged in providing services (with the exception of transportation and warehousing).

Montana's 2004 overall occupational injury and illness incidence rate was 7.2, a decrease from last year's rate of 7.6. Montana has consistently had higher rates than the national average.

The national overall incidence rate for 2004 was 4.8 injuries and illnesses per 100 full-time workers.

### Comparison of incidence rates of nonfatal injuries & illnesses, Montana vs. United States; 2003-2004



Incidence rates are set for 100 full time workers.

The formula for computing the incidence rate is as follows:

$$(N/EH) * 200,000, \text{ where}$$

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

## Lost Workday Cases

Total lost workday cases involve days away from work, days of restricted activity, or both. This indicator is a measure of severity of the injury or illness. Using this as a measure of severity, the injuries and illnesses reported in Montana are similar to those reported elsewhere. In Montana, an estimated 8,400 of the 18,800 cases (44.7 percent) were recordable injuries with 5,900 (31.4 percent) involved at least one day away from work.

The most common type of injury in Montana was a sprain or strain. A little more than half of the injuries reported (56.3 percent) involved sprains or strains. All other, or unspecified injuries were reported in 10.7 percent of the cases. The next most common type of injury was soreness/pain. Soreness and/or pain in parts other than the back, were reported in 8.3 percent of the injuries. The fourth most common type of injuries were cuts, lacerations and punctures. Cuts, lacerations and punctures occurred in 6.8 percent of the reported injuries. Table 2 shows the number of injuries and illnesses in private industry in Montana by major industry sector for the year 2004.

**Table 2. Number of nonfatal occupational injuries and illnesses  
in private industry sectors, in Montana; 2004.**

| Table 2  | NAICS<br>Sector | Total<br>Recordable<br>Injuries | Total<br>Injuries<br>Cases | Lost<br>Workday<br>Cases |
|--|-----------------|---------------------------------|----------------------------|--------------------------|
| Total Private Industry                         |                 | 18,800                          | 8,400                      | 5,900                    |
| Agriculture, Forestry, Fishing and Hunting     | 11              | 200                             | 100                        | 100                      |
| Mining   | 21              | 300                             | 200                        | 100                      |
| Construction                                   | 23              | 2,400                           | 1,100                      | 900                      |
| Manufacturing                                  | 31-33           | 1,900                           | 900                        | 600                      |
| Wholesale Trade                                | 42              | 1,100                           | 500                        | 400                      |
| Retail Trade                                   | 44-45           | 3,000                           | 1,300                      | 1,000                    |
| Transportation and Warehousing                 | 48-49           | 1,200                           | 700                        | 500                      |
| Information                                    | 51              | 300                             | 100                        | 100                      |
| Finance and Insurance                          | 52              | 300                             | 100                        | 100                      |
| Real Estate and Rental and Leasing             | 53              | 200                             | 100                        | 100                      |
| Professional, Scientific, & Technical Services | 54              | 300                             | 100                        | 100                      |
| Educational Services                           | 61              | 100                             |                            |                          |
| Health Care and Social Services                | 62              | 3,500                           | 1,700                      | 1,000                    |
| Arts, Entertainment and Recreation             | 71              | 400                             | 200                        | 100                      |
| Accommodations and Food Services               | 72              | 2,300                           | 800                        | 500                      |
| Other Services, except Public Administration   | 81              | 400                             | 200                        | 200                      |

Total Injury Cases include those with restricted days, job transfer days, other recordable, and/or lost workdays. Lost Workday Cases include those that result in days away from work.

Totals include data for industries not shown separately. \* Fewer than 50 cases

## Occupations

The most hazardous occupations were laborers, stock, freight & material movers; construction laborers; nursing aides, orderlies, and attendants; truck drivers - heavy and tractor-trailer; truck drivers – light or delivery service and carpenters.

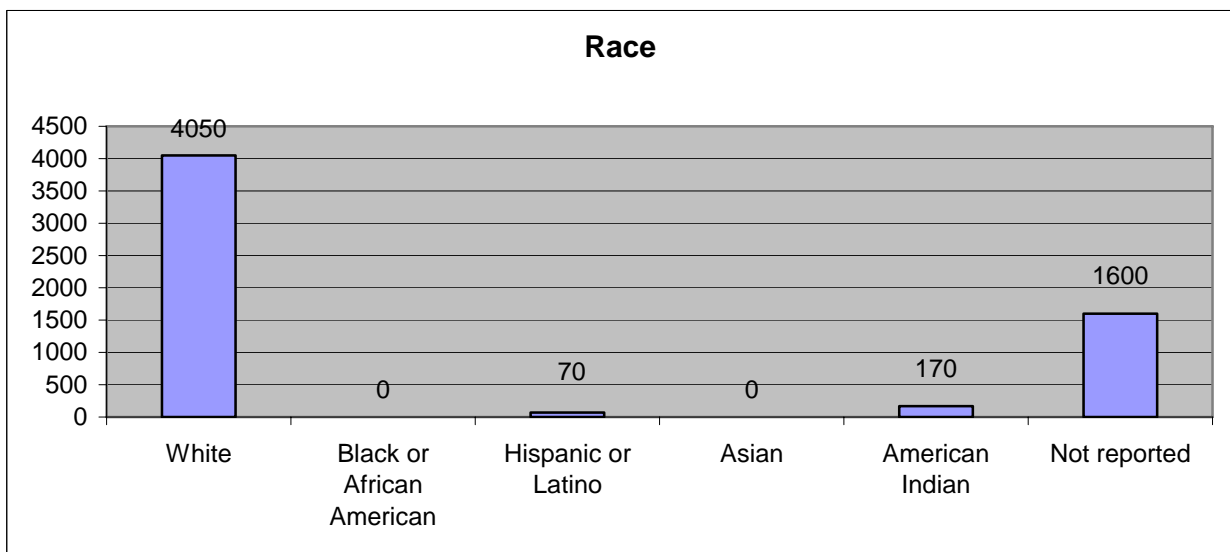
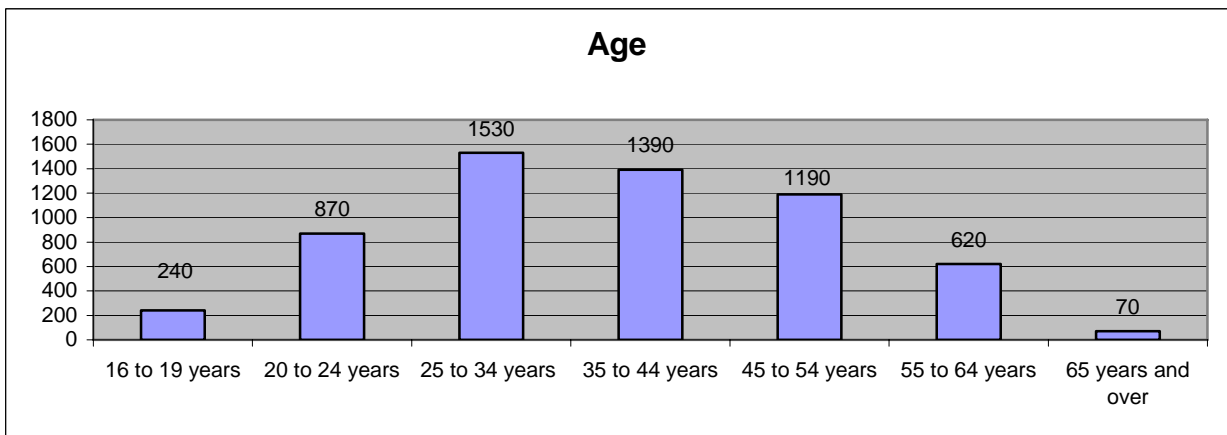
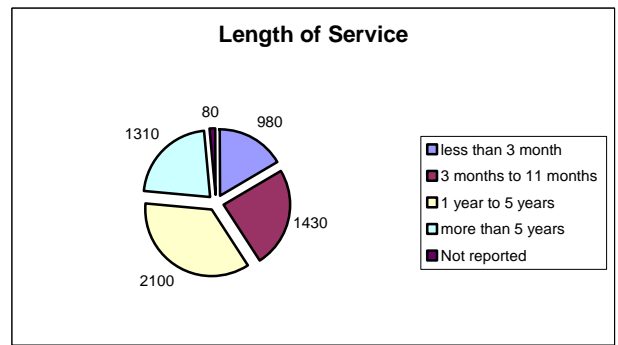
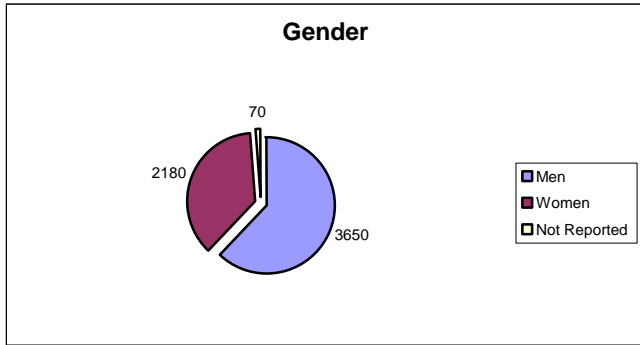
Table 3 shows that Laborers, stock, freight & material movers accounted for 8.6 percent of the injuries involving days away from work. Construction laborers were responsible for 6.9 percent; nursing aides, orderlies, and attendants for 6.4 percent; while truck drivers, heavy and tractor-trailer accounted for 4.4 percent of these injuries. Truck drivers – light or delivery service were responsible for 4.2 percent, and carpenters accounted for 4.1 percent.

Of the occupation groups, the three having the highest median number of days away from work were operating engineers and other construction equipment operators with 51 lost days; farm workers and laborers with 27 days; and restaurant cooks with 24.

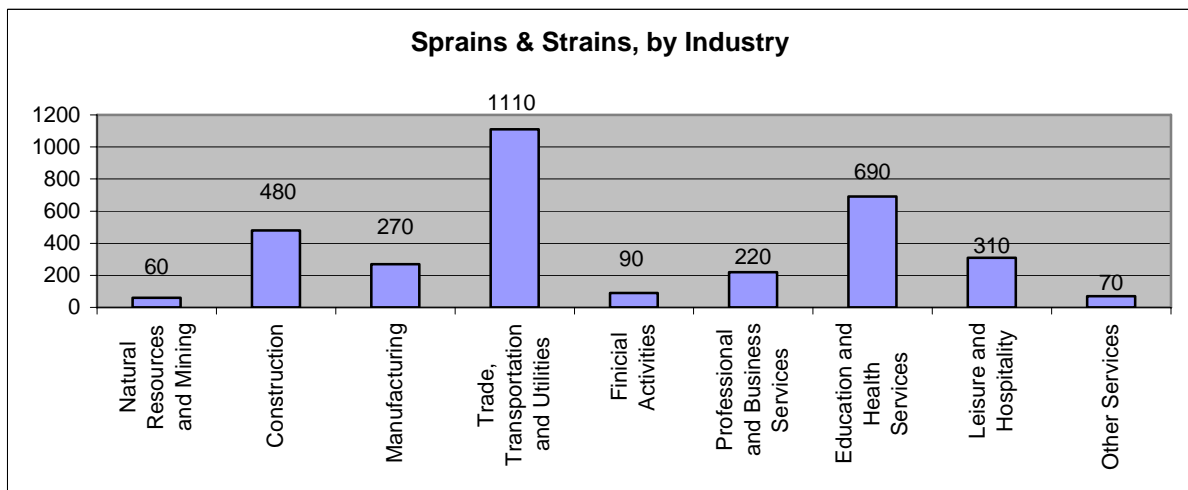
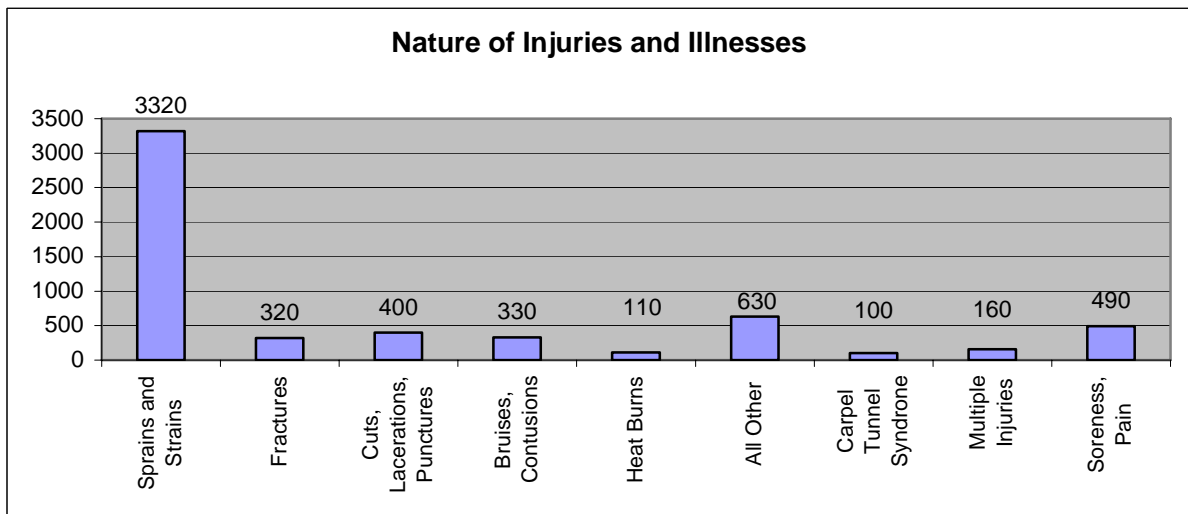
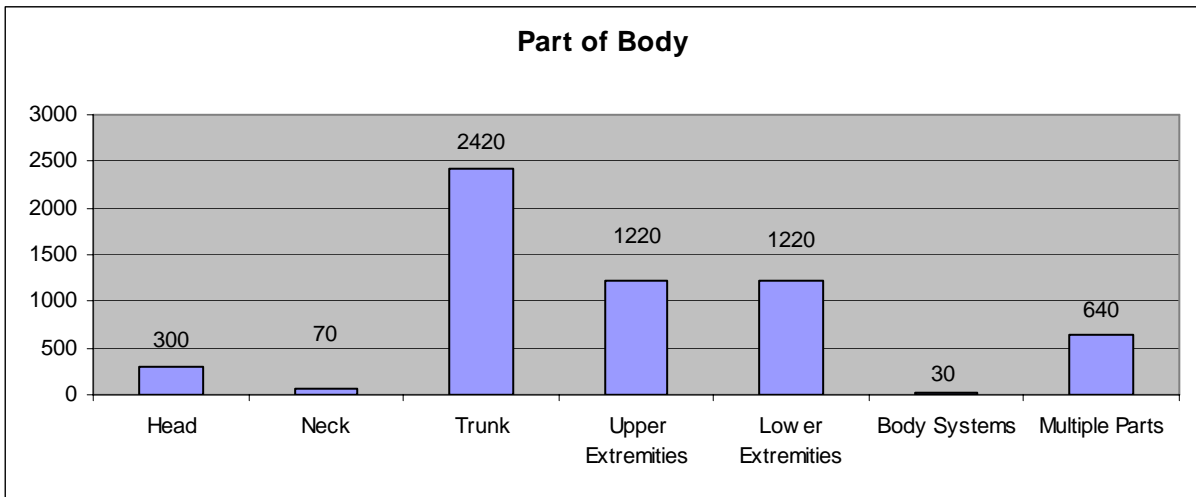
**Table 3. Occupations with the highest frequency of injuries and illnesses involving at least one day away from work, Montana, 2004.**

| Occupation                                 | Total<br>Number of<br>Injuries &<br>Illnesses | Percentage of<br>the Total<br>Injuries & Illnesses<br>Reported % | Median<br>Number of<br>Days Away<br>From Work |
|--|---|--|---|
| Total                                      | 5,900   | 100%   | 5   |
| Laborers, stock, freight & material movers | 510   | 8.6%   | 5   |
| Construction Laborers                      | 410   | 6.9%   | 7   |
| Nursing Aides, Orderlies and Attendants    | 380   | 6.4%   | 7   |
| Truck Drivers, heavy & tractor-trailer     | 260   | 4.4%   | 21  |
| Truck Drivers, light or delivery service   | 250   | 4.2%   | 9   |
| Carpenters                                 | 240   | 4.1%   | 4   |
| Cashiers                                   | 220   | 3.7%   | 5   |
| Retail Salespersons                        | 160   | 2.7%   | 1   |

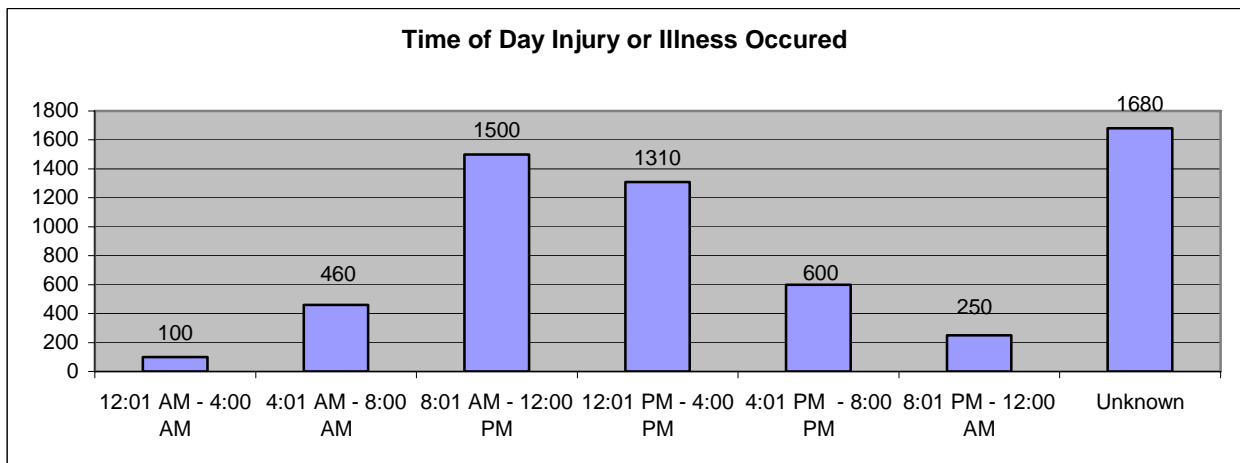
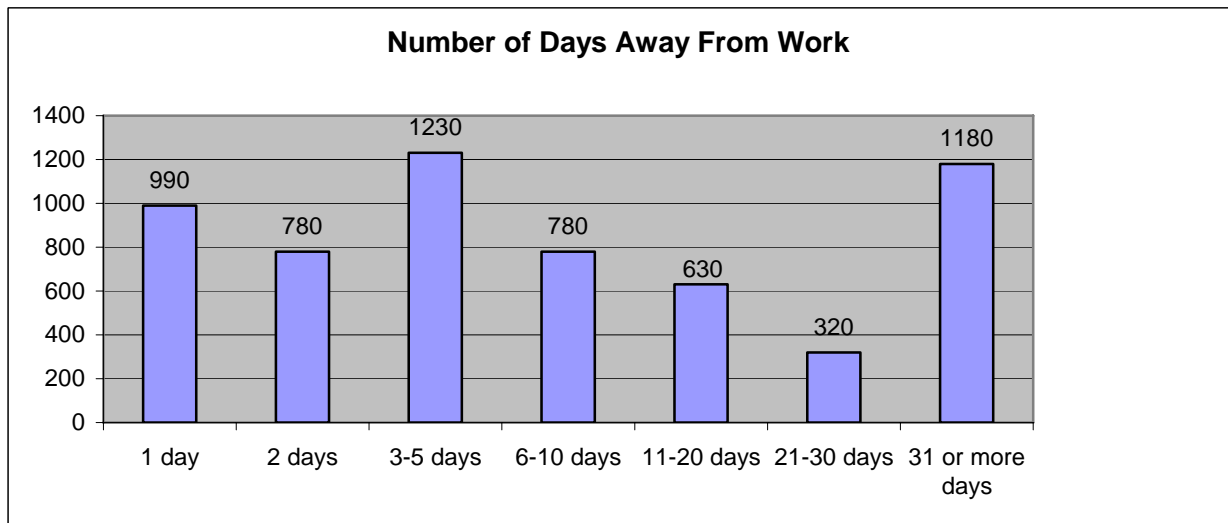
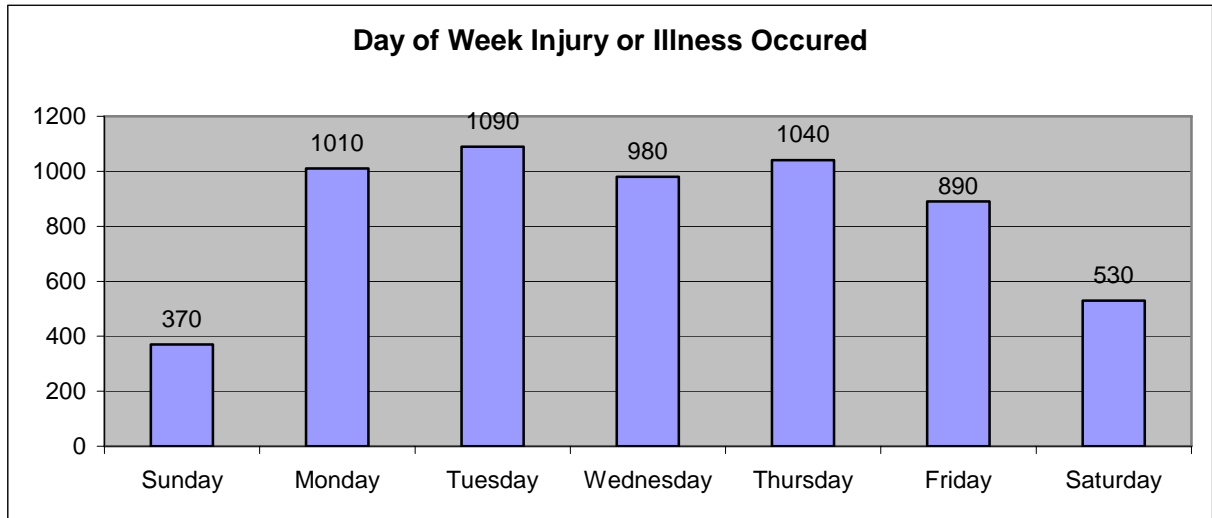
# 2004 Worker Characteristics



# 2004 Case Characteristics



# 2004 Case Characteristics



About 96 percent of the estimated 18,800 cases of injuries and illnesses reported in Montana in 2004 involved injuries. There were 18,000 injuries compared to 800 illnesses.

Table 4 highlights the number of illness in comparison to the number of injuries, and the injury percentages, in each industry sector.

**Table 4. The number of nonfatal occupational injuries & illnesses and percent injuries in Montana, 2004.**

| Illnesses  | NAICS Sector | Number of Injuries & Illnesses | Number of Injuries | Number of Illnesses | Percent Injuries |
|--|--------------|--------------------------------|--------------------|---------------------|------------------|
| Total Private Industry                           |              | 18,800                         | 18,000             | 800                 | 96%              |
| Agriculture, Forestry, Fishing and Hunting       | 11           | 200                            | 200                | * *                 | 100%             |
| Mining   | 21           | 300                            | 300                | *                   | 100%             |
| Construction                                     | 23           | 2,400                          | 2,400              | *                   | 100%             |
| Manufacturing                                    | 31-33        | 1,900                          | 1,800              | 100                 | 94.7%            |
| Wholesale Trade                                  | 42           | 1,100                          | 1,100              | * *                 | 100%             |
| Retail Trade                                     | 44-45        | 3,000                          | 2,900              | 100                 | 96.7%            |
| Transportation and Warehousing                   | 48-49        | 1,200                          | 1,200              | * *                 | 100%             |
| Information                                      | 51           | 300                            | 300                | * *                 | 100%             |
| Finance and Insurance                            | 52           | 300                            | 200                | 100                 | 66.7%            |
| Real Estate and Rental and Leasing               | 53           | 200                            | 200                | * *                 | 100%             |
| Professional, Scientific, and Technical Services | 54           | 300                            | 300                | *                   | 100%             |
| Educational Services                             | 61           | 100                            | 100                | * *                 | 100%             |
| Health Care and Social Assistance                | 62           | 3,500                          | 3,200              | 300                 | 91.4%            |
| Arts, Entertainment and Recreation               | 71           | 400                            | 400                | *                   | 100%             |
| Accommodations and Food Services                 | 72           | 2,300                          | 2,300              | *                   | 100%             |
| Other Services, except Public Administration     | 81           | 400                            | 400                | * *                 | 100%             |

\* Fewer than 50 cases

\* \* Fewer than 15 cases

## NAICS Major Industry Sector Details

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### Agriculture, Forestry, Fishing, and Hunting Sector 11

The Agriculture, Forestry, Fishing, and Hunting sector comprises establishments primarily engaged in growing crops, raising animals, harvesting timber, and harvesting fish and other animals from a farm, ranch, or their natural habitats.

The sector distinguishes two basic activities: agriculture production and agriculture support activities. Agriculture production includes establishments performing the complete farm or ranch operation, such as farm owner-operators, tenant farm operators and sharecroppers. Agriculture support activities include establishments that perform one or more activities associated with farm operations, such as soil preparation, planting, and management, on a contract or fee basis.\*

The Agriculture, Forestry, Fishing and Hunting sector had an average annual employment of 2,700, and had 100 occupational injuries and illnesses with lost work days in 2004. This calculated to an incidence rate of 8.2 injuries and illnesses per 100 full time workers. The national rate in this category in 2004 is 6.4.

### Mining Sector 21

The Mining sector comprises establishments that extract naturally occurring mineral solids, such as coal and ores; liquid minerals, such as crude petroleum; and gases, such as natural gas. The term mining is used in the broad sense to include quarrying, well operations, beneficiating (e.g., crushing, screening, washing, and flotation), and preparation customarily performed at the mine site, or as a part of mining activity.

The Mining sector distinguishes two basic activities: mine operation and mining support activities. Mine operations includes establishments operating mines, quarries, or oil and gas wells on their own account, or for others on a contract or fee basis. Mining support activities include establishments that perform exploration (except geophysical surveying) and/or other mining services on a contract or fee basis (except mine site preparation and construction of oil/gas pipelines). Establishments in the Mining sector are grouped and classified according to the natural resource mined or to be mined.\*

The Mining sector reported an average annual employment of 6,100 in 2004, and had 100 injuries. The incidence rate for Mining is 5.6 injuries and illnesses per 100 full time workers, compared to 3.8 nationally.

## Construction Sector 23

The construction sector comprises establishments primarily engaged in the construction of buildings or engineering projects (e.g. highways and utility systems). Establishments primarily engaged in the preparation of sites for new construction, and establishments primarily engaged in subdividing land for sale as building sites are also included in this sector.

Construction work may include new work, additions, alterations, or maintenance and repairs. Activities of these establishments generally are managed at a fixed place of business, but they usually perform construction activities at multiple project sites. Production responsibilities for establishments in this sector are usually specified in (1) contracts with the owner of construction projects (prime contractors) or (2) contracts with other construction establishments (subcontractors).\*

The Construction sector had 24,800 average annual employment, with 900 reported injuries and illnesses lost workday cases. This computes to an incidence rate of 11.2 for 2004, compared to 6.4 nationally in 2004.

## Manufacturing Sector 31-33

The Manufacturing sector comprises establishments engaged in the mechanical, physical, or chemical transformation of materials, substances, or components into new products. The assembling of component parts of manufactured products is considered manufacturing, except in the case where the activity is appropriately classified in Sector 23, Construction.

Manufacturing establishments may process materials or may contract with other establishments to process their materials for them. Both types of establishments are included in manufacturing. The materials, substances, or components transformed by manufacturing establishments are raw materials that are products of agriculture, forestry, fishing, mining, or quarrying, as well as products of other manufacturing establishments.\*

The Manufacturing sector had an average annual employment of 19,200 in 2004, with 600 reported lost workday cases. This gives Manufacturing an incidence rate of 10.3 injuries and illnesses per 100 full time workers. The national incidence rate for Manufacturing in 2004 is 6.6.

## Wholesale Trade

### Sector 42

The Wholesale Trade sector comprises establishments engaged in wholesaling merchandise (generally without transforming), and rendering services incidental to the sale of merchandise. The merchandise described in this sector includes the outputs of agriculture, mining, manufacturing, and certain information industries, such as publishing.

The wholesale process is an intermediate step in the distribution of merchandise. Wholesalers are organized to sell or arrange the purchase or sale of (a) goods for resale (i.e., goods sold to other wholesalers or retailers), (b) capital or durable nonconsumer goods, and (c) raw and intermediate materials and supplies used in production.\*

The Wholesale Trade sector reported an average annual employment of 16,000 in 2004, and had 400 injuries. The incidence rate for Wholesale Trade is 7.2 injuries and illnesses per 100 full time workers, compared to 4.5 nationally.

## Retail Trade

### Sector 44-45

The Retail Trade sector comprises establishments engaged in retailing merchandise, (generally without transforming), and rendering services incidental to the sale of merchandise.

The retailing process is the final step in the distribution of merchandise; retailers are, therefore, organized to sell merchandise in small quantities to the general public. This sector comprises two main types of retailers: store and nonstore retailers.\*

The Retail Trade sector had an average annual employment of 54,900 in 2004, with 1,000 reported lost workday cases. This gives Retail Trade an incidence rate of 6.8 injuries and illnesses per 100 full time workers. The national incidence rate for Retail Trade in 2004 is 5.3.

## Transportation and Warehousing Sector 48-49

The Transportation and Warehousing sector includes industries providing transportation of passengers and cargo, warehousing and storage for goods, scenic and sightseeing transportation, and support activities related to modes of transportation. Establishments in these industries use transportation equipment or transportation related facilities as a productive asset. The type of equipment depends on the mode of transportation. The modes of transportation are air, rail, water, road, and pipeline.\*

The Transportation and Warehousing sector had an average annual employment of 10,000 and had 500 occupational injuries and illnesses in 2004. This calculated to an incidence rate of 10.9 injuries and illnesses per 100 full time workers. The national rate in this category in 2004 is 7.3.

## Information Sector 51

The Information sector comprises establishments engaged in the following processes: (a) producing and distributing information and cultural products, (b) providing the means to transmit or distribute these products as well as data or communications, and (c) processing data.

The main components of this sector are the publishing industries, including software publishing, and both traditional publishing and publishing exclusively on the Internet; the motion picture and sound recording industries; the broadcasting industries, including traditional broadcasting and those broadcasting exclusively over the Internet; the telecommunications industries; the industries known as Internet service providers and Web search portals; data processing industries; and the information services industries.\*

The Information sector had an average annual employment of 7,800 in 2004, with 100 reported lost workday cases. This gives Information an incidence rate of 3.7 injuries and illnesses per 100 full time workers. The national incidence rate for Information in 2004 is 2.0.

## Finance and Insurance

### Sector 52

The Finance and Insurance sector comprises establishments primarily engaged in financial transactions (transactions involving the creation, liquidation, or change in ownership of financial assets) and/or in facilitating financial transactions. Three principal types of activities are identified:

1. Raising funds by taking deposits and/or issuing securities and, in the process incurring liabilities.
2. Pooling of risk by underwriting insurance and annuities.
3. Providing specialized services facilitating or supporting financial intermediation, insurance, and employee benefit programs.

In addition, monetary authorities charged with monetary control are included in this sector.\*

The Finance and Insurance sector had an average annual employment of 15,300 in 2004, with 100 reported lost workday cases. This gives Finance and Insurance an incidence rate of 2.2 injuries and illnesses per 100 full time workers. The national incidence rate for Finance and Insurance in 2004 is 0.9.

## Real Estate and Rental and Leasing

### Sector 53

The Real Estate and Rental and Leasing sector comprises establishments primarily engaged in renting, leasing, or otherwise allowing the use of tangible or intangible assets, and establishments providing related services. The major portion of this sector comprises establishments that rent, lease, or otherwise allow the use of their own assets by others. The assets may be tangible, as is the case of real estate and equipment, or intangible, as in the case of patents and trademarks.

The sector also includes establishments primarily engaged in managing real estate for others, selling, renting, and/or buying real estate for others, and appraising real estate.\*

The Real Estate and Rental and Leasing sector had an average annual employment of 5,600 and had 100 occupational injuries and illnesses in 2004. This calculated to an incidence rate of 5.6 injuries and illnesses per 100 full time workers. The national rate in this category in 2004 is 3.7.

## Professional, Scientific, and Technical Services Sector 54

The Professional, Scientific, and Technical Services sector comprises establishments that specialize in performing professional, scientific, and technical activities for others. These activities require a high degree of expertise and training. The establishments in this sector specialize according to expertise and provide these services to clients in a variety of industries and, in some cases, to households.\*

The Professional, Scientific, and Technical Services sector had an average annual employment of 16,500 in 2004, with 100 reported lost workday cases. This gives Professional, Scientific, and Technical Services an incidence rate of 2.1 injuries and illnesses per 100 full time workers. The national incidence rate for Professional, Scientific, and Technical Services in 2004 is 1.3.

## Educational Services Sector 61

The Educational Services sector comprises establishments that provide instruction and training in a wide variety of subjects. This instruction and training is provided by specialized establishments, such as schools, colleges, universities, and training centers. Those establishments may be privately owned and operated for profit or not for profit, or they may be publicly owned and operated. They may also offer food accommodations services to their students. All industries in the sector share this commonality of process, namely, labor inputs of instructors with the requisite subject matter expertise and teaching ability.\*

The Educational Services sector had an average annual employment of 3,700 in 2004, with fewer than 50 reported lost workday cases. This gives Educational Services an incidence rate of 5.5 injuries and illnesses per 100 full time workers. The national incidence rate for Educational Services in 2003 is 2.5.

## Health Care and Social Assistance Sector 62

The Health Care and Social Assistance sector comprises establishments providing health care and social assistance for individuals. The sector includes both health care and social assistance because it is sometimes difficult to distinguish between the boundaries of these two activities.

The services provided by establishments in this sector are delivered by trained professionals. All industries in the sector share this commonality of process, namely labor inputs of health practitioners or social workers with the requisite expertise. Many of the industries in the sector are defined based on the educational degree held by the practitioners included in the industry.\*

The Health Care and Social Assistance sector had an average annual employment of 50,200 and had 1,000 occupational injuries and illnesses in 2004. This calculated to an incidence rate of 8.8 injuries and illnesses per 100 full time workers. The national rate in this category in 2004 is 6.2.

## Arts, Entertainment, and Recreation Sector 71

The Arts, Entertainment, and Recreation sector includes a wide range of establishments that operate facilities or provide services to meet varied cultural, entertainment, and recreational interests of their patrons. This sector comprises (1) establishments that are involved in producing, promoting, or participating in live performances, events, or exhibits intended for public viewing; (2) establishments that preserve and exhibit objects and sites of historical, cultural, or educational interests; and (3) establishments that operate facilities or provide services that enable patrons to participate in recreational activities or pursue amusement, hobby, and leisure-time interests.\*

The Arts, Entertainment and Recreation sector had an average annual employment of 9,600 in 2004, with 100 reported lost workday cases. This gives Arts, Entertainment and Recreation an incidence rate of 7.0 injuries and illnesses per 100 full time workers. The national incidence rate for Arts, Entertainment and Recreation in 2004 is 5.9.

## Accommodations and Food Services

### Sector 72

The Accommodations and Food Service sector comprises establishments providing customers with lodging and/or preparing meals, snacks, and beverages for immediate consumption. The sector includes both accommodations and food service establishments because the two activities are often combined at the same establishment.

Industries in the Accommodation subsector provide lodging or short-term accommodations for travelers, vacationers, and others.

Industries in the Food Service and Drinking Places subsector prepare meals, snacks, and beverages to customers order for immediate on-premises and off-premises consumption.\*

The Accommodations and Food Services sector had an average annual employment of 44,200 in 2004, with 500 reported lost workday cases. This gives Accommodations and Food Services an incidence rate of 7.9 injuries and illnesses per 100 full time workers. The national incidence rate for Accommodations and Food Services in 2004 is 4.5.

## Other Services

(except Public Administration)

### Sector 81

The Other Services (except Public Administration) sector comprised establishments engaged in providing services not specifically provided for elsewhere in the classification system. Establishments in this sector are primarily engaged in activities such as equipment and machinery repairing, promoting or administering religious activities, grant-making and advocacy; and providing services such as dry-cleaning and laundry, personal care, death care, pet care, photofinishing, temporary parking, and dating services.

Private households employing workers on or about the premises in activities primarily concerned with the operation of the household are included in this sector.\*

The Other Services sector had an average annual employment of 15,000 and had 200 occupational injuries and illnesses in 2004. This calculated to an incidence rate of 4.0 injuries and illnesses per 100 full time workers. The national rate in this category in 2004 is 3.2.

\* Sector information provided from the North American Industry Classification System (NAICS) manual, United States, 2002.

## Appendix A

### Tables Showing Montana 2004 Incidence Rates by Selected Features

**Nonfatal occupational injuries and illnesses involving days away from work:**

**TABLE 7—Incidence rates for nonfatal occupational injuries and illnesses involving days away from work per 10,000 full time workers for selected industry sectors.**



Table 7. Incidence rates <sup>1</sup> for nonfatal occupational injuries and illnesses involving days away from work <sup>2</sup> per 10,000 full-time workers for selected characteristics and industry sector, 2004

| Montana--private industry   |                               |                                    |   |              |               |                         |   |             |                      |                                    |                               |                         |                |
|-----------------------------|-------------------------------|------------------------------------|---|--------------|---------------|-------------------------|---|-------------|----------------------|------------------------------------|-------------------------------|-------------------------|----------------|
| Characteristic              | Private industry <sup>3</sup> | Goods producing <sup>3</sup>       |   |              |               | Service providing       |   |             |                      |                                    |                               |                         |                |
|                             |                               | Total goods producing <sup>3</sup> | Natural resources and mining <sup>3,4</sup> | Construction | Manufacturing | Total service providing | Trade, transportation, and utilities <sup>5</sup> | Information | Financial activities | Professional and business services | Education and health services | Leisure and hospitality | Other services |
| Total [5,900 cases].....    | 226.7                         | 340.0                              | 232.5                                       | 402.0        | 315.0         | 201.2                   | 257.6   | 130.0       | 78.2                 | 140.3                              | 236.5                         | 183.6                   | 146.9          |
| Nature of injury, illness:  |                               |                                    |   |              |               |                         |   |             |                      |                                    |                               |                         |                |
| Sprains, strains.....       | 127.5                         | 168.9                              | 72.2  | 223.6        | 147.5         | 118.2                   | 152.6   | --          | 47.9                 | 78.4                               | 164.2                         | 88.5                    | 61.9           |
| Bruises, contusions.....    | 12.5                          | 15.6                               | 33.0  | --           | 23.5          | 11.8                    | 22.4  | --          | --                   | --                                 | 5.4                           | --                      | --             |
| Cuts, lacerations.....      | 11.4                          | 24.0                               | --  | 17.2         | 35.9          | 8.6                     | 14.3  | --          | --                   | --                                 | 4.9                           | --                      | --             |
| Fractures.....              | 12.3                          | 20.0                               | 42.1  | --           | 21.3          | 10.5                    | 13.5  | --          | --                   | --                                 | 5.0                           | --                      | --             |
| Heat burns.....             | 4.1                           | 5.1                                | --  | --           | --            | 3.9                     | --  | --          | --                   | --                                 | --                            | 16.7                    | --             |
| Carpal tunnel syndrome..... | 3.6                           | --                                 | --  | --           | --            | 4.0                     | 2.7   | --          | --                   | --                                 | --                            | --                      | --             |
| Tendonitis.....             | 1.0                           | --                                 | --  | --           | --            | --                      | --  | --          | --                   | --                                 | --                            | --                      | --             |
| Chemical burns.....         | 0.7                           | --                                 | --  | --           | --            | 0.7                     | --  | --          | --                   | --                                 | --                            | --                      | --             |
| Amputations.....            | --                            | --                                 | --  | --           | --            | --                      | --  | --          | --                   | --                                 | --                            | --                      | --             |
| Multiple injuries.....      | 6.0                           | 6.4                                | --  | 8.0          | --            | 5.9                     | 4.0   | --          | --                   | --                                 | 11.1                          | --                      | --             |
| Part of body affected:      |                               |                                    |   |              |               |                         |   |             |                      |                                    |                               |                         |                |
| Head.....                   | 11.6                          | 21.2                               | --  | 20.6         | 23.7          | 9.5                     | 8.8   | --          | --                   | --                                 | 12.6                          | --                      | 21.6           |
| Eye.....                    | 4.6                           | 14.5                               | --  | --           | 18.5          | 2.4                     | --  | --          | --                   | --                                 | --                            | --                      | --             |
| Neck.....                   | 2.5                           | --                                 | --  | --           | --            | 2.7                     | 4.2   | --          | --                   | --                                 | --                            | --                      | --             |
| Trunk.....                  | 92.8                          | 118.7                              | 66.6  | 142.6        | 113.8         | 87.0                    | 119.3   | 28.2        | 36.7                 | 42.1                               | 122.3                         | 60.4                    | 54.1           |
| Shoulder.....               | 21.3                          | 30.5                               | 28.4  | 35.6         | 25.5          | 19.2                    | 17.3  | --          | --                   | --                                 | 31.0                          | 30.7                    | --             |
| Back.....                   | 57.1                          | 67.4                               | 31.4  | 75.7         | 73.6          | 54.8                    | 81.7  | 22.8        | 34.2                 | --                                 | 74.9                          | 24.7                    | 38.5           |
| Upper extremities.....      | 46.9                          | 79.8                               | 63.2  | 78.3         | 88.9          | 39.5                    | 43.2  | --          | 8.4                  | 30.8                               | 50.4                          | 36.9                    | 31.7           |
| Wrist.....                  | 12.1                          | 13.9                               | --  | --           | 11.0          | 11.6                    | 15.6  | --          | --                   | --                                 | 6.4                           | --                      | --             |
| Hand, except finger.....    | 6.4                           | 15.5                               | --  | 26.0         | --            | 4.3                     | 4.7   | --          | --                   | --                                 | --                            | --                      | --             |
| Finger.....                 | 14.5                          | 29.0                               | --  | 19.0         | 48.0          | 11.2                    | 14.4  | --          | --                   | --                                 | 10.2                          | --                      | 17.3           |
| Lower extremities.....      | 47.0                          | 85.7                               | 63.3  | 112.7        | 64.1          | 38.3                    | 48.1  | --          | 20.9                 | 50.2                               | 27.0                          | 38.2                    | 26.0           |
| Knee.....                   | 24.2                          | 40.7                               | 23.5  | 63.5         | 21.7          | 20.5                    | 24.3  | --          | 11.6                 | 33.1                               | 17.4                          | 18.5                    | --             |
| Foot, except toe.....       | 6.4                           | 7.4                                | --  | --           | 9.9           | 6.2                     | 8.6   | --          | --                   | --                                 | 4.6                           | --                      | --             |
| Toe.....                    | 1.2                           | 4.5                                | --  | --           | --            | --                      | --  | --          | --                   | --                                 | --                            | --                      | --             |
| Body systems.....           | 1.1                           | --                                 | --  | --           | --            | --                      | --  | --          | --                   | --                                 | --                            | --                      | --             |
| Multiple parts.....         | 24.7                          | 30.1                               | --  | 43.2         | 20.9          | 23.4                    | 32.5  | --          | --                   | --                                 | 20.6                          | 40.0                    | --             |

See footnotes at end of table.

**Table 7. Incidence rates <sup>1</sup> for nonfatal occupational injuries and illnesses involving days away from work <sup>2</sup> per 10,000 full-time workers for selected characteristics and industry sector, 2004 --- Continued**

| Montana--private industry                        |                               |                                    |   |              |               |                         |   |             |                      |                                    |                               |                         |                |
|--|-------------------------------|------------------------------------|---|--------------|---------------|-------------------------|---|-------------|----------------------|------------------------------------|-------------------------------|-------------------------|----------------|
| Characteristic                                   | Private industry <sup>3</sup> | Goods producing <sup>3</sup>       |   |              |               | Service providing       |   |             |                      |                                    |                               |                         |                |
|  |                               | Total goods producing <sup>3</sup> | Natural resources and mining <sup>3,4</sup> | Construction | Manufacturing | Total service providing | Trade, transportation, and utilities <sup>5</sup> | Information | Financial activities | Professional and business services | Education and health services | Leisure and hospitality | Other services |
| Source of injury, illness:                       |                               |                                    |   |              |               |                         |   |             |                      |                                    |                               |                         |                |
| Chemicals and chemical products.....             | 2.4                           | --                                 | --  | --           | --            | 2.5                     | --  | --          | --                   | --                                 | 7.5                           | --                      | --             |
| Containers.....                                  | 38.5                          | 25.4                               | --  | --           | 47.4          | 41.5                    | 79.9  | --          | 11.0                 | --                                 | 16.7                          | 38.5                    | 22.3           |
| Furniture and fixtures.....                      | 6.3                           | --                                 | --  | --           | --            | 7.4                     | 9.4   | --          | --                   | --                                 | 6.5                           | --                      | 15.8           |
| Machinery.....                                   | 12.3                          | 24.0                               | --  | 22.2         | 30.7          | 9.7                     | 18.8  | --          | 11.9                 | --                                 | --                            | --                      | --             |
| Parts and materials.....                         | 25.8                          | 88.7                               | 29.5  | 112.6        | 87.0          | 11.7                    | 27.0  | --          | --                   | --                                 | --                            | --                      | --             |
| Worker motion or position.....                   | 22.9                          | 20.2                               | --  | 18.2         | 29.8          | 23.5                    | 21.7  | --          | 19.2                 | --                                 | 28.5                          | 25.6                    | --             |
| Floors, walkways, ground surfaces.....           | 42.2                          | 52.4                               | 52.2  | 74.4         | 26.7          | 40.0                    | 45.4  | --          | 17.9                 | 48.0                               | 20.9                          | 62.4                    | 27.8           |
| Tools, instruments, and equipment.....           | 16.2                          | 54.1                               | --  | 95.4         | 25.3          | 7.6                     | 10.3  | --          | --                   | --                                 | 5.6                           | --                      | --             |
| Vehicles.....                                    | 12.2                          | 8.9                                | --  | --           | 12.2          | 12.9                    | 25.0  | --          | --                   | --                                 | 7.4                           | --                      | --             |
| Health care patient.....                         | 21.5                          | --                                 | --  | --           | --            | 26.3                    | --  | --          | --                   | --                                 | 131.0                         | --                      | --             |
| Event or exposure:                               |                               |                                    |   |              |               |                         |   |             |                      |                                    |                               |                         |                |
| Contact with objects and equipment.....          | 54.1                          | 115.4                              | 97.8  | 119.9        | 117.9         | 40.3                    | 61.8  | --          | --                   | 49.4                               | 17.8                          | 30.7                    | 60.7           |
| Struck by object.....                            | 25.7                          | 61.2                               | 62.3  | 67.1         | 53.7          | 17.7                    | 30.0  | --          | --                   | --                                 | 6.2                           | 19.9                    | 26.3           |
| Struck against object.....                       | 17.7                          | 25.3                               | --  | 30.7         | 23.4          | 16.0                    | 23.2  | --          | --                   | 30.8                               | 5.6                           | --                      | 24.6           |
| Caught in equipment or object.....               | 5.1                           | 15.8                               | --  | 9.0          | 25.5          | 2.8                     | 3.0   | --          | --                   | --                                 | 6.0                           | --                      | --             |
| Fall to lower level.....                         | 12.8                          | 28.0                               | 25.7  | 43.1         | 11.3          | 9.4                     | 12.2  | --          | --                   | --                                 | --                            | 18.4                    | --             |
| Fall to same level.....                          | 22.9                          | 16.6                               | --  | 24.2         | 9.1           | 24.3                    | 25.6  | --          | 14.1                 | --                                 | 18.6                          | 40.2                    | 22.2           |
| Slips, trips, loss of balance--without fall..... | 5.6                           | --                                 | --  | --           | --            | 6.5                     | 6.2   | --          | --                   | --                                 | --                            | --                      | --             |
| Overexertion.....                                | 90.7                          | 131.9                              | 57.2  | 167.2        | 123.5         | 81.5                    | 107.1   | --          | 26.0                 | 35.3                               | 144.3                         | 43.4                    | 36.6           |
| Overexertion in lifting.....                     | 41.2                          | 67.3                               | 20.0  | 96.6         | 53.8          | 35.3                    | 63.5  | --          | 16.5                 | --                                 | 23.3                          | 25.7                    | 23.6           |
| Repetitive motion.....                           | 8.3                           | 6.2                                | --  | --           | 10.8          | 8.8                     | 6.9   | --          | --                   | --                                 | 15.4                          | --                      | --             |
| Exposure to harmful substances.....              | 8.7                           | 12.6                               | --  | --           | 12.0          | 7.8                     | 4.6   | --          | --                   | --                                 | 9.8                           | 24.6                    | --             |
| Transportation accidents.....                    | 5.9                           | 3.4                                | --  | --           | --            | 6.4                     | 14.6  | --          | --                   | --                                 | --                            | --                      | --             |
| Fires and explosions.....                        | 0.7                           | --                                 | --  | --           | --            | 0.8                     | --  | --          | --                   | --                                 | --                            | --                      | --             |
| Assaults and violent acts by person.....         | 1.7                           | --                                 | --  | --           | --            | 2.1                     | --  | --          | --                   | --                                 | 9.9                           | --                      | --             |

<sup>1</sup> Incidence rates represent the number of injuries and illnesses per 10,000 full-time workers and were calculated as: (N/EH) x 20,000,000 where

- N = number of injuries and illnesses
- EH = total hours worked by all employees during calendar year
- 20,000,000 = base for 10,000 equivalent full-time workers (working 40 hours per week, 50 weeks per year).

<sup>2</sup> Days away from work cases include those that result in days away from work with or without job transfer or restriction.

<sup>3</sup> Excludes farms with fewer than 11 employees.

<sup>4</sup> Data for mining (Sector 21 in the *North American Industry Classification System* -- United States, 2002) include establishments not governed by the Mine Safety and Health Administration (MSHA) rules and

reporting, such as those in oil and gas extraction and related support activities. 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 the Occupational Safety and Health Administration made to its recordkeeping requirements effective January 1, 2002; therefore estimates for these industries are not comparable to estimates in other industries.

<sup>5</sup> Data for employers in rail transportation are provided to BLS by the Federal Railroad Administration, U.S. Department of Transportation.

NOTE: Dashes indicate data that are not available. Because of rounding and data exclusion of nonclassifiable responses, data may not sum to the totals.

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

## Appendix B

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### Tables Showing the Number of Nonfatal Occupational Injuries and Illnesses in Montana in 2004 by Selected Features

Nonfatal occupational injuries and illnesses involving days away from work:

**TABLE 1—by Selected Worker Activity and Major Industry Sector**

**TABLE 3—by Major Occupational Group and Major Industry Sector**

**TABLE 4—by Selected Worker Occupation and Major Industry Sector**

**TABLE 5—by Selected Injury or Illness Characteristics  
and Major Industry Sector**

**TABLE 13—by Time, hours on the job, and weekday  
and Major Industry Sector**



**Table 1. Number of nonfatal occupational injuries and illnesses involving days away from work <sup>1</sup> by selected worker characteristics and major industry sector, 2004**

**Montana--private industry**

| Characteristic                                      | Private industry <sup>2</sup> | Goods producing <sup>2</sup>       |   |              |               | Service providing       |   |             |                      |                                    |                               |                         |                |
|---|-------------------------------|------------------------------------|---|--------------|---------------|-------------------------|---|-------------|----------------------|------------------------------------|-------------------------------|-------------------------|----------------|
|   |                               | Total goods producing <sup>2</sup> | Natural resources and mining <sup>2,3</sup> | Construction | Manufacturing | Total service providing | Trade, transportation, and utilities <sup>4</sup> | Information | Financial activities | Professional and business services | Education and health services | Leisure and hospitality | Other services |
| Total.....  | 5,900                         | 1,630                              | 190   | 860          | 580           | 4,280                   | 1,870   | 90          | 140                  | 390                                | 990                           | 630                     | 160            |
| Sex:  |                               |                                    |   |              |               |                         |   |             |                      |                                    |                               |                         |                |
| Men.....  | 3,650                         | 1,520                              | 170   | 850          | 490           | 2,130                   | 1,270   | --          | 50                   | 250                                | 190                           | 250                     | 90             |
| Women.....  | 2,180                         | 110                                | --  | --           | 80            | 2,070                   | 530   | --          | 90                   | 130                                | 810                           | 390                     | 70             |
| Age:  |                               |                                    |   |              |               |                         |   |             |                      |                                    |                               |                         |                |
| 14 to 15.....                                       | --                            | --                                 | --  | --           | --            | --                      | --  | --          | --                   | --                                 | --                            | --                      | --             |
| 16 to 19.....                                       | 240                           | 90                                 | 20  | 40           | 30            | 160                     | 50  | --          | --                   | --                                 | 50                            | 60                      | --             |
| 20 to 24.....                                       | 870                           | 230                                | 20  | 160          | 40            | 640                     | 240   | --          | 20                   | --                                 | 180                           | 140                     | 30             |
| 25 to 34.....                                       | 1,530                         | 540                                | 40  | 340          | 150           | 990                     | 440   | --          | 30                   | 110                                | 220                           | 140                     | 20             |
| 35 to 44.....                                       | 1,390                         | 320                                | 30  | 110          | 180           | 1,070                   | 440   | --          | 30                   | 130                                | 300                           | 120                     | 50             |
| 45 to 54.....                                       | 1,190                         | 270                                | 50  | 100          | 120           | 920                     | 460   | --          | 40                   | 100                                | 170                           | 100                     | 30             |
| 55 to 64.....                                       | 620                           | 180                                | 30  | 100          | 50            | 440                     | 230   | --          | 20                   | --                                 | 70                            | 70                      | 30             |
| 65 and over.....                                    | 70                            | --                                 | --  | --           | --            | 50                      | 20  | --          | --                   | --                                 | --                            | --                      | --             |
| Length of service with employer:                    |                               |                                    |   |              |               |                         |   |             |                      |                                    |                               |                         |                |
| Less than 3 months.....                             | 980                           | 480                                | 20  | 320          | 140           | 500                     | 150   | --          | 20                   | --                                 | 150                           | 100                     | 20             |
| 3 to 11 months.....                                 | 1,430                         | 300                                | 40  | 170          | 90            | 1,130                   | 500   | --          | 30                   | 120                                | 260                           | 160                     | 40             |
| 1 to 5 years.....                                   | 2,100                         | 510                                | 60  | 260          | 190           | 1,590                   | 600   | --          | 70                   | 180                                | 400                           | 240                     | 60             |
| More than 5 years.....                              | 1,310                         | 330                                | 60  | 120          | 160           | 980                     | 540   | --          | --                   | --                                 | 190                           | 130                     | 40             |
| Race or ethnic origin:                              |                               |                                    |   |              |               |                         |   |             |                      |                                    |                               |                         |                |
| White only.....                                     | 4,050                         | 1,140                              | 60  | 730          | 350           | 2,910                   | 1,180   | 60          | 110                  | 350                                | 630                           | 450                     | 120            |
| Black only.....                                     | --                            | --                                 | --  | --           | --            | --                      | --  | --          | --                   | --                                 | --                            | --                      | --             |
| Hispanic or Latino only.....                        | 70                            | 30                                 | --  | --           | --            | 40                      | --  | --          | --                   | --                                 | 30                            | --                      | --             |
| Asian only.....                                     | --                            | --                                 | --  | --           | --            | --                      | --  | --          | --                   | --                                 | --                            | --                      | --             |
| Native Hawaiian or other Pacific Islander only..... | --                            | --                                 | --  | --           | --            | --                      | --  | --          | --                   | --                                 | --                            | --                      | --             |
| American Indian or Alaskan Native only.....         | 170                           | 20                                 | --  | --           | --            | 150                     | 60  | --          | --                   | --                                 | 40                            | --                      | --             |
| Hispanic or Latino and other race.....              | --                            | --                                 | --  | --           | --            | --                      | --  | --          | --                   | --                                 | --                            | --                      | --             |
| Multi-race.....                                     | --                            | --                                 | --  | --           | --            | --                      | --  | --          | --                   | --                                 | --                            | --                      | --             |
| Not reported.....                                   | 1,600                         | 430                                | 110   | 110          | 220           | 1,160                   | 610   | 20          | 20                   | --                                 | 290                           | 160                     | 40             |

<sup>1</sup> Days-away-from-work cases 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 (Sector 21 in the *North American Industry Classification System* -- United States, 2002) include establishments not governed by the Mine Safety and Health Administration (MSHA) rules and reporting, such as those in oil and gas extraction and related support activities. 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 the Occupational Safety and Health Administration made to its recordkeeping

requirements effective January 1, 2002; therefore estimates for these industries are not comparable to estimates in other industries.

<sup>4</sup> Data for employers in rail transportation are provided to BLS by the Federal Railroad Administration, U.S. Department of Transportation.

NOTE: Dashes indicate data that are not available. Because of rounding and data exclusion of nonclassifiable responses, data may not sum to the totals.

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

Table 3. Number of nonfatal occupational injuries and illnesses involving days away from work <sup>1</sup> by major occupational group and major industry sector, 2004

Montana--private industry

| Occupation  | Private industry <sup>2</sup> | Goods producing <sup>2</sup>       |   |              |               | Service providing       |   |             |                      |                                    |                               |                         |                |
|---|-------------------------------|------------------------------------|---|--------------|---------------|-------------------------|---|-------------|----------------------|------------------------------------|-------------------------------|-------------------------|----------------|
|   |                               | Total goods producing <sup>2</sup> | Natural resources and mining <sup>2,3</sup> | Construction | Manufacturing | Total service providing | Trade, transportation, and utilities <sup>4</sup> | Information | Financial activities | Professional and business services | Education and health services | Leisure and hospitality | Other services |
| Total.....  | 5,900                         | 1,630                              | 190   | 860          | 580           | 4,280                   | 1,870   | 90          | 140                  | 390                                | 990                           | 630                     | 160            |
| Management occupations.....                                     | 20                            | --                                 | --  | --           | --            | 20                      | --  | --          | --                   | --                                 | --                            | --                      | --             |
| Business and financial operations occupations.....              | 20                            | --                                 | --  | --           | --            | 20                      | --  | --          | --                   | --                                 | --                            | --                      | --             |
| Computer and mathematical occupations.....                      | --                            | --                                 | --  | --           | --            | --                      | --  | --          | --                   | --                                 | --                            | --                      | --             |
| Architecture and engineering occupations.....                   | --                            | --                                 | --  | --           | --            | --                      | --  | --          | --                   | --                                 | --                            | --                      | --             |
| Life, physical, and social science occupations.....             | --                            | --                                 | --  | --           | --            | --                      | --  | --          | --                   | --                                 | --                            | --                      | --             |
| Community and social services occupations.....                  | 40                            | --                                 | --  | --           | --            | 40                      | --  | --          | --                   | --                                 | 20                            | --                      | --             |
| Legal occupations.....  | --                            | --                                 | --  | --           | --            | --                      | --  | --          | --                   | --                                 | --                            | --                      | --             |
| Education, training, and library occupations.....               | 30                            | --                                 | --  | --           | --            | 30                      | --  | --          | --                   | --                                 | --                            | --                      | --             |
| Arts, design, entertainment, sports, and media occupations..... | 20                            | --                                 | --  | --           | --            | 20                      | --  | --          | --                   | --                                 | --                            | --                      | --             |
| Healthcare practitioners and technical occupations.....         | 180                           | --                                 | --  | --           | --            | 180                     | --  | --          | --                   | --                                 | 160                           | --                      | --             |
| Healthcare support occupations.....                             | 530                           | --                                 | --  | --           | --            | 530                     | --  | --          | --                   | --                                 | 520                           | --                      | --             |
| Protective service occupations.....                             | 80                            | --                                 | --  | --           | --            | 80                      | --  | --          | --                   | --                                 | --                            | --                      | --             |
| Food preparation and serving related occupations.....           | 460                           | --                                 | --  | --           | --            | 460                     | 80  | --          | --                   | --                                 | 70                            | 300                     | --             |
| Building and grounds cleaning and maintenance occupations.....  | 240                           | --                                 | --  | --           | --            | 230                     | --  | --          | 20                   | --                                 | 80                            | 110                     | --             |
| Personal care and service occupations.....                      | 100                           | --                                 | --  | --           | --            | 100                     | --  | --          | --                   | --                                 | 40                            | --                      | 20             |
| Sales and related occupations.....                              | 490                           | --                                 | --  | --           | --            | 490                     | 460   | --          | --                   | --                                 | --                            | 20                      | --             |
| Office and administrative support occupations.....              | 370                           | 20                                 | --  | --           | 20            | 350                     | 160   | 20          | 50                   | --                                 | 70                            | --                      | --             |
| Farming, fishing, and forestry occupations.....                 | 160                           | 90                                 | 80  | --           | --            | 70                      | --  | --          | --                   | --                                 | --                            | --                      | --             |
| Construction and extraction occupations.....                    | 930                           | 890                                | 60  | 770          | 60            | 40                      | 30  | --          | --                   | --                                 | --                            | --                      | --             |
| Installation, maintenance, and repair occupations.....          | 470                           | 140                                | 20  | 80           | 40            | 330                     | 260   | 20          | --                   | --                                 | --                            | --                      | 30             |
| Production occupations.....                                     | 410                           | 270                                | --  | --           | 260           | 140                     | 40  | --          | --                   | --                                 | --                            | --                      | 20             |
| Transportation and material moving occupations.....             | 1,290                         | 190                                | 20  | --           | 160           | 1,100                   | 780   | --          | 20                   | 140                                | --                            | 90                      | 50             |

<sup>1</sup> Days-away-from-work cases 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 (Sector 21 in the *North American Industry Classification System* -- United States, 2002) include establishments not governed by the Mine Safety and Health Administration (MSHA) rules and reporting, such as those in oil and gas extraction and related support activities. 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 the Occupational Safety and Health Administration made to its recordkeeping

requirements effective January 1, 2002: therefore estimates for these industries are not comparable to estimates in other industries.

<sup>4</sup> Data for employers in rail transportation are provided to BLS by the Federal Railroad Administration, U.S. Department of Transportation.

NOTE: Dashes indicate data that are not available. Because of rounding and data exclusion of nonclassifiable responses, data may not sum to the totals.

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

**Table 4. Number of nonfatal occupational injuries and illnesses involving days away from work <sup>1</sup> by selected worker occupations and major industry sector, 2004**

**Montana--private industry**

| Occupation   | Private industry <sup>2</sup> | Goods producing <sup>2</sup>       |   |              |               | Service providing       |   |             |                      |                                    |                               |                         |                |
|--|-------------------------------|------------------------------------|---|--------------|---------------|-------------------------|---|-------------|----------------------|------------------------------------|-------------------------------|-------------------------|----------------|
|  |                               | Total goods producing <sup>2</sup> | Natural resources and mining <sup>2,3</sup> | Construction | Manufacturing | Total service providing | Trade, transportation, and utilities <sup>4</sup> | Information | Financial activities | Professional and business services | Education and health services | Leisure and hospitality | Other services |
| Total.....   | 5,900                         | 1,630                              | 190   | 860          | 580           | 4,280                   | 1,870   | 90          | 140                  | 390                                | 990                           | 630                     | 160            |
| Laborers and freight, stock, and material movers, hand.....                  | 510                           | 90                                 | --  | --           | 80            | 430                     | 300   | --          | --                   | 100                                | --                            | --                      | --             |
| Construction laborers.....   | 410                           | 390                                | --  | 380          | --            | 20                      | --  | --          | --                   | --                                 | --                            | --                      | --             |
| Nursing aides, orderlies, and attendants.....                                | 380                           | --                                 | --  | --           | --            | 380                     | --  | --          | --                   | --                                 | 380                           | --                      | --             |
| Truck drivers, heavy and tractor-trailer.....                                | 260                           | 40                                 | --  | --           | 20            | 220                     | 190   | --          | --                   | --                                 | --                            | --                      | 20             |
| Truck drivers, light or delivery services.....                               | 250                           | 20                                 | --  | --           | 20            | 230                     | 200   | --          | --                   | --                                 | --                            | --                      | --             |
| Carpenters.....  | 240                           | 230                                | --  | 210          | 20            | 20                      | --  | --          | --                   | --                                 | --                            | --                      | --             |
| Cashiers.....  | 220                           | --                                 | --  | --           | --            | 220                     | 200   | --          | --                   | --                                 | --                            | --                      | --             |
| Retail salespersons.....   | 160                           | --                                 | --  | --           | --            | 160                     | 160   | --          | --                   | --                                 | --                            | --                      | --             |
| Combined food preparation and serving workers, including fast food.....      | 120                           | --                                 | --  | --           | --            | 110                     | 50  | --          | --                   | --                                 | --                            | 50                      | --             |
| Driver/sales workers.....  | 110                           | --                                 | --  | --           | --            | 110                     | --  | --          | --                   | --                                 | --                            | 80                      | --             |
| Home health aides.....   | 100                           | --                                 | --  | --           | --            | 100                     | --  | --          | --                   | --                                 | 90                            | --                      | --             |
| Maids and housekeeping cleaners.....   | 90                            | --                                 | --  | --           | --            | 90                      | --  | --          | --                   | --                                 | 40                            | --                      | --             |
| Janitors and cleaners, except maids and housekeeping cleaners.....           | 80                            | --                                 | --  | --           | --            | 80                      | --  | --          | --                   | --                                 | 30                            | --                      | --             |
| Stock clerks and order fillers.....  | 80                            | --                                 | --  | --           | --            | 80                      | 80  | --          | --                   | --                                 | --                            | --                      | --             |
| Registered nurses.....   | 70                            | --                                 | --  | --           | --            | 70                      | --  | --          | --                   | --                                 | 70                            | --                      | --             |
| Cooks, restaurant.....   | 70                            | --                                 | --  | --           | --            | 70                      | --  | --          | --                   | --                                 | --                            | 60                      | --             |
| Farmworkers and laborers, crop, nursery, and greenhouse.....                 | 70                            | 20                                 | 20  | --           | --            | 60                      | --  | --          | --                   | --                                 | --                            | --                      | --             |
| Mobile heavy equipment mechanics, except engines                             | 70                            | --                                 | --  | --           | --            | 60                      | 50  | --          | --                   | --                                 | --                            | --                      | --             |
| First-line supervisors/managers of food preparation and serving workers..... | 60                            | --                                 | --  | --           | --            | 60                      | --  | --          | --                   | --                                 | --                            | 60                      | --             |
| Food preparation workers.....  | 60                            | --                                 | --  | --           | --            | 60                      | --  | --          | --                   | --                                 | 30                            | --                      | --             |
| Customer service representatives.....  | 60                            | --                                 | --  | --           | --            | 60                      | 20  | --          | 30                   | --                                 | --                            | --                      | --             |
| Operating engineers and other construction equipment operators.....          | 60                            | 50                                 | --  | 50           | --            | --                      | --  | --          | --                   | --                                 | --                            | --                      | --             |
| Automotive service technicians and mechanics.....                            | 60                            | --                                 | --  | --           | --            | 60                      | 60  | --          | --                   | --                                 | --                            | --                      | --             |
| Security guards.....   | 50                            | --                                 | --  | --           | --            | 50                      | --  | --          | --                   | --                                 | --                            | --                      | --             |
| Landscaping and groundskeeping workers.....                                  | 50                            | --                                 | --  | --           | --            | 40                      | --  | --          | --                   | --                                 | --                            | --                      | --             |

<sup>1</sup> Days-away-from-work cases 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 (Sector 21 in the *North American Industry Classification System -- United States, 2002*) include establishments not governed by the Mine Safety and Health Administration (MSHA) rules and reporting, such as those in oil and gas extraction and related support activities. 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 the Occupational Safety and Health Administration made to its recordkeeping

requirements effective January 1, 2002: therefore estimates for these industries are not comparable to estimates in other industries.

<sup>4</sup> Data for employers in rail transportation are provided to BLS by the Federal Railroad Administration, U.S. Department of Transportation.

NOTE: Dashes indicate data that are not available. Because of rounding and data exclusion of nonclassifiable responses, data may not sum to the totals.

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

Table 5. Number of nonfatal occupational injuries and illnesses involving days away from work <sup>1</sup> by selected injury or illness characteristics and major industry sector, 2004 -- Continued

Montana--private industry

| Characteristic                                   | Private industry <sup>2</sup> | Goods producing <sup>2</sup>       |   |              |               | Service providing       |   |             |                      |                                    |                               |                         |                |
|--|-------------------------------|------------------------------------|---|--------------|---------------|-------------------------|---|-------------|----------------------|------------------------------------|-------------------------------|-------------------------|----------------|
|  |                               | Total goods producing <sup>2</sup> | Natural resources and mining <sup>2,3</sup> | Construction | Manufacturing | Total service providing | Trade, transportation, and utilities <sup>4</sup> | Information | Financial activities | Professional and business services | Education and health services | Leisure and hospitality | Other services |
| Source of injury, illness:                       |                               |                                    |   |              |               |                         |   |             |                      |                                    |                               |                         |                |
| Chemicals and chemical products.....             | 60                            | --                                 | --  | --           | --            | 50                      | --  | --          | --                   | --                                 | 30                            | --                      | --             |
| Containers.....                                  | 1,000                         | 120                                | --  | --           | 90            | 880                     | 580   | --          | 20                   | --                                 | 70                            | 130                     | 20             |
| Furniture and fixtures.....                      | 160                           | --                                 | --  | --           | --            | 160                     | 70  | --          | --                   | --                                 | 30                            | --                      | 20             |
| Machinery.....                                   | 320                           | 110                                | --  | 50           | 60            | 210                     | 140   | --          | 20                   | --                                 | --                            | --                      | --             |
| Parts and materials.....                         | 670                           | 420                                | 20  | 240          | 160           | 250                     | 200   | --          | --                   | --                                 | --                            | --                      | --             |
| Worker motion or position.....                   | 600                           | 100                                | --  | 40           | 50            | 500                     | 160   | --          | 30                   | --                                 | 120                           | 90                      | --             |
| Floors, walkways, ground surfaces.....           | 1,100                         | 250                                | 40  | 160          | 50            | 850                     | 330   | --          | 30                   | 130                                | 90                            | 220                     | 30             |
| Tools, instruments, and equipment.....           | 420                           | 260                                | --  | 200          | 50            | 160                     | 80  | --          | --                   | --                                 | 20                            | --                      | --             |
| Vehicles.....                                    | 320                           | 40                                 | --  | --           | 20            | 270                     | 180   | --          | --                   | --                                 | 30                            | --                      | --             |
| Health care patient.....                         | 560                           | --                                 | --  | --           | --            | 560                     | --  | --          | --                   | --                                 | 550                           | --                      | --             |
| Event or exposure:                               |                               |                                    |   |              |               |                         |   |             |                      |                                    |                               |                         |                |
| Contact with objects and equipment.....          | 1,410                         | 550                                | 80  | 260          | 220           | 860                     | 450   | --          | --                   | 140                                | 70                            | 110                     | 70             |
| Struck by object.....                            | 670                           | 290                                | 50  | 140          | 100           | 380                     | 220   | --          | --                   | --                                 | 30                            | 70                      | 30             |
| Struck against object.....                       | 460                           | 120                                | --  | 70           | 40            | 340                     | 170   | --          | --                   | 90                                 | 20                            | --                      | 30             |
| Caught in equipment or object.....               | 130                           | 80                                 | --  | 20           | 50            | 60                      | 20  | --          | --                   | --                                 | 30                            | --                      | --             |
| Fall to lower level.....                         | 330                           | 130                                | 20  | 90           | 20            | 200                     | 90  | --          | --                   | --                                 | --                            | 60                      | --             |
| Fall to same level.....                          | 600                           | 80                                 | --  | 50           | 20            | 520                     | 190   | --          | 30                   | --                                 | 80                            | 140                     | 20             |
| Slips, trips, loss of balance--without fall..... | 150                           | --                                 | --  | --           | --            | 140                     | 50  | --          | --                   | --                                 | --                            | --                      | --             |
| Overexertion.....                                | 2,360                         | 630                                | 50  | 360          | 230           | 1,730                   | 780   | --          | 50                   | 100                                | 610                           | 150                     | 40             |
| Overexertion in lifting.....                     | 1,070                         | 320                                | 20  | 210          | 100           | 750                     | 460   | --          | 30                   | --                                 | 100                           | 90                      | 30             |
| Repetitive motion.....                           | 220                           | 30                                 | --  | --           | 20            | 190                     | 50  | --          | --                   | --                                 | 60                            | --                      | --             |
| Exposure to harmful substances.....              | 230                           | 60                                 | --  | --           | 20            | 170                     | 30  | --          | --                   | --                                 | 40                            | 90                      | --             |
| Transportation accidents.....                    | 150                           | 20                                 | --  | --           | --            | 140                     | 110   | --          | --                   | --                                 | --                            | --                      | --             |
| Fires and explosions.....                        | 20                            | --                                 | --  | --           | --            | 20                      | --  | --          | --                   | --                                 | --                            | --                      | --             |
| Assaults and violent acts by person.....         | 40                            | --                                 | --  | --           | --            | 40                      | --  | --          | --                   | --                                 | 40                            | --                      | --             |

<sup>1</sup> Days-away-from-work cases 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 (Sector 21 in the *North American Industry Classification System* -- United States, 2002) include establishments not governed by the Mine Safety and Health Administration (MSHA) rules and reporting, such as those in oil and gas extraction and related support activities. 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 the Occupational Safety and Health Administration made to its recordkeeping requirements

effective January 1, 2002; therefore estimates for these industries are not comparable to estimates in other industries.

<sup>4</sup> Data for employers in rail transportation are provided to BLS by the Federal Railroad Administration, U.S. Department of Transportation.

NOTE: Dashes indicate data that are not available. Because of rounding and data exclusion of nonclassifiable responses, data may not sum to the totals.

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

**Table 13. Number of nonfatal occupational injuries and illnesses involving days away from work <sup>1</sup> by time, hours on the job, and weekday and major industry sector, 2004**

**Montana--private industry**

| Characteristic                          | Private industry <sup>2</sup> | Goods producing <sup>2</sup>       |   |              |               | Service providing       |   |             |                      |                                    |                               |                         |                |
|---|-------------------------------|------------------------------------|---|--------------|---------------|-------------------------|---|-------------|----------------------|------------------------------------|-------------------------------|-------------------------|----------------|
|   |                               | Total goods producing <sup>2</sup> | Natural resources and mining <sup>2,3</sup> | Construction | Manufacturing | Total service providing | Trade, transportation, and utilities <sup>4</sup> | Information | Financial activities | Professional and business services | Education and health services | Leisure and hospitality | Other services |
| Total.....                              | 5,900                         | 1,630                              | 190   | 860          | 580           | 4,280                   | 1,870   | 90          | 140                  | 390                                | 990                           | 630                     | 160            |
| Time of event:                          |                               |                                    |   |              |               |                         |   |             |                      |                                    |                               |                         |                |
| 12:01 A.M. to 4:00 A.M.....             | 100                           | --                                 | --  | --           | --            | 90                      | 40  | --          | --                   | --                                 | 30                            | --                      | --             |
| 4:01 A.M. to 8:00 A.M.....              | 460                           | 80                                 | --  | --           | 70            | 380                     | 130   | --          | --                   | --                                 | 200                           | --                      | --             |
| 8:01 A.M. to 12:00 noon.....            | 1,500                         | 470                                | 40  | 250          | 170           | 1,030                   | 460   | 20          | 40                   | 150                                | 190                           | 130                     | 40             |
| 12:01 P.M. to 4:00 P.M.....             | 1,310                         | 420                                | 40  | 250          | 120           | 890                     | 410   | --          | 20                   | 100                                | 200                           | 120                     | 40             |
| 4:01 P.M. to 8:00 P.M.....              | 600                           | 130                                | --  | 60           | 70            | 480                     | 180   | --          | --                   | --                                 | 90                            | 130                     | --             |
| 8:01 P.M. to 12:00 midnight.....        | 250                           | 40                                 | --  | --           | 40            | 210                     | 100   | --          | --                   | --                                 | 30                            | 60                      | --             |
| Not reported.....                       | 1,680                         | 480                                | 90  | 280          | 110           | 1,200                   | 560   | --          | 50                   | --                                 | 250                           | 180                     | 60             |
| Hours on the job before event occurred: |                               |                                    |   |              |               |                         |   |             |                      |                                    |                               |                         |                |
| Before shift began.....                 | 30                            | --                                 | --  | --           | --            | 20                      | --  | --          | --                   | --                                 | --                            | --                      | --             |
| Less than 1 hour.....                   | 400                           | 70                                 | --  | 40           | 30            | 320                     | 120   | 20          | --                   | --                                 | 150                           | --                      | --             |
| 1 hour to less than 2 hours.....        | 520                           | 110                                | --  | --           | 70            | 400                     | 180   | --          | 20                   | 90                                 | 70                            | --                      | 20             |
| 2 hours to less than 4 hours.....       | 1,220                         | 280                                | 30  | 120          | 130           | 940                     | 310   | --          | 30                   | 80                                 | 230                           | 260                     | 30             |
| 4 hours to less than 6 hours.....       | 810                           | 280                                | 20  | 150          | 110           | 520                     | 290   | --          | --                   | --                                 | 120                           | 70                      | 20             |
| 6 hours to less than 8 hours.....       | 720                           | 210                                | 20  | 120          | 70            | 500                     | 220   | --          | --                   | 100                                | 120                           | --                      | 20             |
| 8 hours to less than 10 hours.....      | 390                           | 160                                | --  | 110          | 40            | 230                     | 90  | --          | --                   | --                                 | 30                            | 60                      | --             |
| 10 hours to less than 12 hours.....     | 70                            | 20                                 | --  | --           | --            | 50                      | --  | --          | --                   | --                                 | --                            | --                      | --             |
| 12 hours to less than 16 hours.....     | 20                            | --                                 | --  | --           | --            | --                      | --  | --          | --                   | --                                 | --                            | --                      | --             |
| More than 16 hours.....                 | --                            | --                                 | --  | --           | --            | --                      | --  | --          | --                   | --                                 | --                            | --                      | --             |
| Not reported.....                       | 1,750                         | 480                                | 90  | 280          | 110           | 1,270                   | 630   | --          | 50                   | --                                 | 250                           | 180                     | 60             |
| Day of week:                            |                               |                                    |   |              |               |                         |   |             |                      |                                    |                               |                         |                |
| Sunday.....                             | 370                           | 70                                 | --  | --           | 50            | 300                     | 130   | --          | --                   | --                                 | 70                            | 80                      | --             |
| Monday.....                             | 1,010                         | 290                                | 40  | 170          | 90            | 710                     | 300   | --          | 20                   | 80                                 | 160                           | 120                     | 20             |
| Tuesday.....                            | 1,090                         | 280                                | 30  | 140          | 110           | 810                     | 420   | --          | --                   | --                                 | 210                           | 90                      | 20             |
| Wednesday.....                          | 980                           | 390                                | 40  | 240          | 110           | 590                     | 300   | --          | 30                   | --                                 | 160                           | --                      | 30             |
| Thursday.....                           | 1,040                         | 260                                | 20  | 170          | 70            | 780                     | 300   | --          | 20                   | 160                                | 120                           | 130                     | 20             |
| Friday.....                             | 890                           | 230                                | 30  | 80           | 120           | 660                     | 250   | --          | 30                   | 70                                 | 150                           | 100                     | 60             |
| Saturday.....                           | 530                           | 110                                | --  | 60           | 30            | 430                     | 190   | --          | --                   | --                                 | 120                           | 80                      | --             |

<sup>1</sup> Days-away-from-work cases 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 (Sector 21 in the *North American Industry Classification System* -- United States, 2002) include establishments not governed by the Mine Safety and Health Administration (MSHA) rules and reporting, such as those in oil and gas extraction and related support activities. 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 the Occupational Safety and Health Administration made to its recordkeeping

requirements effective January 1, 2002; therefore estimates for these industries are not comparable to estimates in other industries.

<sup>4</sup> Data for employers in rail transportation are provided to BLS by the Federal Railroad Administration, U.S. Department of Transportation.

NOTE: Dashes indicate data that are not available. Because of rounding and data exclusion of nonclassifiable responses, data may not sum to the totals.

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

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### **Tables Showing the Percent Distribution of Days Away from Work in Nonfatal Occupational Injuries and Illnesses Occurring in Montana in 2004 by Selected Features**

**Nonfatal occupational injuries and illnesses involving days away from work:**

**TABLE 2—by Selected Worker Characteristics and Major Industry Sector**

**TABLE 6—by Selected Injury or Illness Characteristics and Major Industry Sector**

**TABLE 8—by Selected Worker Characteristics and Number of Days Away From Work**

**TABLE 9—by Major Occupational Group and Number of Days Away From Work**

**TABLE 10—by Selected Occupations and Number of Days Away From Work**

**TABLE 11—by Selected Injury or Illness Characteristics and  
Number of Days Away From Work**

**TABLE 12—by Major Industry Sector and Number of Days Away From Work**

**TABLE 14—by Time, Hours On The Job, and Weekday, and  
Major Industry Sector**

**TABLE 15—by Time, Hours On The Job, and Weekday, and  
Number of Days Away From Work**



**Table 2. Percent distribution of nonfatal occupational injuries and illnesses involving days away from work <sup>1</sup> by selected worker characteristics and major industry sector, 2004**

**Montana-private industry**

| Characteristic                                      | Private industry <sup>2</sup> | Goods producing <sup>2</sup>       |   |              |               | Service providing       |   |             |                      |                                    |                               |                         |                |
|---|-------------------------------|------------------------------------|---|--------------|---------------|-------------------------|---|-------------|----------------------|------------------------------------|-------------------------------|-------------------------|----------------|
|   |                               | Total goods producing <sup>2</sup> | Natural resources and mining <sup>2,3</sup> | Construction | Manufacturing | Total service providing | Trade, transportation, and utilities <sup>4</sup> | Information | Financial activities | Professional and business services | Education and health services | Leisure and hospitality | Other services |
| Total [5,900 cases].....                            | 100.0                         | 100.0                              | 100.0                                       | 100.0        | 100.0         | 100.0                   | 100.0   | 100.0       | 100.0                | 100.0                              | 100.0                         | 100.0                   | 100.0          |
| Sex:  |                               |                                    |   |              |               |                         |   |             |                      |                                    |                               |                         |                |
| Men.....  | 61.9                          | 93.3                               | 89.5  | 98.8         | 84.5          | 49.8                    | 67.9  | --          | 35.7                 | 64.1                               | 19.2                          | 39.7                    | 56.3           |
| Women.....  | 36.9                          | 6.7                                | --  | --           | 13.8          | 48.4                    | 28.3  | --          | 64.3                 | 33.3                               | 81.8                          | 61.9                    | 43.8           |
| Age:  |                               |                                    |   |              |               |                         |   |             |                      |                                    |                               |                         |                |
| 14 to 15.....                                       | --                            | --                                 | --  | --           | --            | --                      | --  | --          | --                   | --                                 | --                            | --                      | --             |
| 16 to 19.....                                       | 4.1                           | 5.5                                | 10.5  | 4.7          | 5.2           | 3.7                     | 2.7   | --          | --                   | --                                 | 5.1                           | 9.5                     | --             |
| 20 to 24.....                                       | 14.7                          | 14.1                               | 10.5  | 18.6         | 6.9           | 15.0                    | 12.8  | --          | 14.3                 | --                                 | 18.2                          | 22.2                    | 18.8           |
| 25 to 34.....                                       | 25.9                          | 33.1                               | 21.1  | 39.5         | 25.9          | 23.1                    | 23.5  | --          | 21.4                 | 28.2                               | 22.2                          | 22.2                    | 12.5           |
| 35 to 44.....                                       | 23.6                          | 19.6                               | 15.8  | 12.8         | 31.0          | 25.0                    | 23.5  | --          | 21.4                 | 33.3                               | 30.3                          | 19.0                    | 31.3           |
| 45 to 54.....                                       | 20.2                          | 16.6                               | 26.3  | 11.6         | 20.7          | 21.5                    | 24.6  | --          | 28.6                 | 25.6                               | 17.2                          | 15.9                    | 18.8           |
| 55 to 64.....                                       | 10.5                          | 11.0                               | 15.8  | 11.6         | 8.6           | 10.3                    | 12.3  | --          | 14.3                 | --                                 | 7.1                           | 11.1                    | 18.8           |
| 65 and over.....                                    | 1.2                           | --                                 | --  | --           | --            | 1.2                     | 1.1   | --          | --                   | --                                 | --                            | --                      | --             |
| Length of service with employer:                    |                               |                                    |   |              |               |                         |   |             |                      |                                    |                               |                         |                |
| Less than 3 months.....                             | 16.6                          | 29.4                               | 10.5  | 37.2         | 24.1          | 11.7                    | 8.0   | --          | 14.3                 | --                                 | 15.2                          | 15.9                    | 12.5           |
| 3 to 11 months.....                                 | 24.2                          | 18.4                               | 21.1  | 19.8         | 15.5          | 26.4                    | 26.7  | --          | 21.4                 | 30.8                               | 26.3                          | 25.4                    | 25.0           |
| 1 to 5 years.....                                   | 35.6                          | 31.3                               | 31.6  | 30.2         | 32.8          | 37.1                    | 32.1  | --          | 50.0                 | 46.2                               | 40.4                          | 38.1                    | 37.5           |
| More than 5 years.....                              | 22.2                          | 20.2                               | 31.6  | 14.0         | 27.6          | 22.9                    | 28.9  | --          | --                   | --                                 | 19.2                          | 20.6                    | 25.0           |
| Race or ethnic origin:                              |                               |                                    |   |              |               |                         |   |             |                      |                                    |                               |                         |                |
| White only.....                                     | 68.6                          | 69.9                               | 31.6  | 84.9         | 60.3          | 68.0                    | 63.1  | 66.7        | 78.6                 | 89.7                               | 63.6                          | 71.4                    | 75.0           |
| Black only.....                                     | --                            | --                                 | --  | --           | --            | --                      | --  | --          | --                   | --                                 | --                            | --                      | --             |
| Hispanic or Latino only.....                        | 1.2                           | 1.8                                | --  | --           | --            | 0.9                     | --  | --          | --                   | --                                 | 3.0                           | --                      | --             |
| Asian only.....                                     | --                            | --                                 | --  | --           | --            | --                      | --  | --          | --                   | --                                 | --                            | --                      | --             |
| Native Hawaiian or other Pacific Islander only..... | --                            | --                                 | --  | --           | --            | --                      | --  | --          | --                   | --                                 | --                            | --                      | --             |
| American Indian or Alaskan Native only.....         | 2.9                           | 1.2                                | --  | --           | --            | 3.5                     | 3.2   | --          | --                   | --                                 | 4.0                           | --                      | --             |
| Hispanic or Latino and other race.....              | --                            | --                                 | --  | --           | --            | --                      | --  | --          | --                   | --                                 | --                            | --                      | --             |
| Multi-race.....                                     | --                            | --                                 | --  | --           | --            | --                      | --  | --          | --                   | --                                 | --                            | --                      | --             |
| Not reported.....                                   | 27.1                          | 26.4                               | 57.9  | 12.8         | 37.9          | 27.1                    | 32.6  | 22.2        | 14.3                 | --                                 | 29.3                          | 25.4                    | 25.0           |

<sup>1</sup> Days-away-from-work cases 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 (Sector 21 in the *North American Industry Classification System* -- United States, 2002) include establishments not governed by the Mine Safety and Health Administration (MSHA) rules and reporting, such as those in oil and gas extraction and related support activities. 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 the Occupational Safety and Health Administration made to its recordkeeping

requirements effective January 1, 2002; therefore estimates for these industries are not comparable to estimates in other industries.

<sup>4</sup> Data for employers in rail transportation are provided to BLS by the Federal Railroad Administration, U.S. Department of Transportation.

NOTE: Dashes indicate data that are not available. Because of rounding and data exclusion of nonclassifiable responses, data may not sum to the totals.

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

Table 6. Percent distribution of nonfatal occupational injuries and illnesses involving days away from work <sup>1</sup> by selected injury or illness characteristics and major industry sector, 2004

| Montana--private industry   |                               |                                    |   |              |               |                         |   |             |                      |                                    |                               |                         |                |
|-----------------------------|-------------------------------|------------------------------------|---|--------------|---------------|-------------------------|---|-------------|----------------------|------------------------------------|-------------------------------|-------------------------|----------------|
| Characteristic              | Private industry <sup>2</sup> | Goods producing <sup>2</sup>       |   |              |               | Service providing       |   |             |                      |                                    |                               |                         |                |
|                             |                               | Total goods producing <sup>2</sup> | Natural resources and mining <sup>2,3</sup> | Construction | Manufacturing | Total service providing | Trade, transportation, and utilities <sup>4</sup> | Information | Financial activities | Professional and business services | Education and health services | Leisure and hospitality | Other services |
| Total [5,900 cases].....    | 100.0                         | 100.0                              | 100.0                                       | 100.0        | 100.0         | 100.0                   | 100.0   | 100.0       | 100.0                | 100.0                              | 100.0                         | 100.0                   | 100.0          |
| Nature of injury, illness:  |                               |                                    |   |              |               |                         |   |             |                      |                                    |                               |                         |                |
| Sprains, strains.....       | 56.3                          | 49.7                               | 31.6  | 55.8         | 46.6          | 58.6                    | 59.4  | --          | 64.3                 | 56.4                               | 69.7                          | 49.2                    | 43.8           |
| Bruises, contusions.....    | 5.6                           | 4.3                                | 15.8  | --           | 6.9           | 5.8                     | 8.6   | --          | --                   | --                                 | 2.0                           | --                      | --             |
| Cuts, lacerations.....      | 5.1                           | 6.7                                | --  | 4.7          | 12.1          | 4.2                     | 5.3   | --          | --                   | --                                 | 2.0                           | --                      | --             |
| Fractures.....              | 5.4                           | 6.1                                | 15.8  | --           | 6.9           | 5.1                     | 5.3   | --          | --                   | --                                 | 2.0                           | --                      | --             |
| Heat burns.....             | 1.9                           | 1.2                                | --  | --           | --            | 1.9                     | --  | --          | --                   | --                                 | --                            | 9.5                     | --             |
| Carpal tunnel syndrome..... | 1.7                           | --                                 | --  | --           | --            | 1.9                     | 1.1   | --          | --                   | --                                 | --                            | --                      | --             |
| Tendonitis.....             | 0.5                           | --                                 | --  | --           | --            | --                      | --  | --          | --                   | --                                 | --                            | --                      | --             |
| Chemical burns.....         | 0.3                           | --                                 | --  | --           | --            | 0.5                     | --  | --          | --                   | --                                 | --                            | --                      | --             |
| Amputations.....            | --                            | --                                 | --  | --           | --            | --                      | --  | --          | --                   | --                                 | --                            | --                      | --             |
| Multiple injuries.....      | 2.7                           | 1.8                                | --  | 2.3          | --            | 3.0                     | 1.6   | --          | --                   | --                                 | 5.1                           | --                      | --             |
| Part of body affected:      |                               |                                    |   |              |               |                         |   |             |                      |                                    |                               |                         |                |
| Head.....                   | 5.1                           | 6.1                                | --  | 4.7          | 6.9           | 4.7                     | 3.2   | --          | --                   | --                                 | 5.1                           | --                      | 12.5           |
| Eye.....                    | 2.0                           | 4.3                                | --  | --           | 5.2           | 1.2                     | --  | --          | --                   | --                                 | --                            | --                      | --             |
| Neck.....                   | 1.2                           | --                                 | --  | --           | --            | 1.4                     | 1.6   | --          | --                   | --                                 | --                            | --                      | --             |
| Trunk.....                  | 41.0                          | 35.0                               | 26.3  | 36.0         | 36.2          | 43.2                    | 46.5  | 22.2        | 50.0                 | 30.8                               | 51.5                          | 33.3                    | 37.5           |
| Shoulder.....               | 9.3                           | 9.2                                | 10.5  | 9.3          | 8.6           | 9.6                     | 7.0   | --          | --                   | --                                 | 13.1                          | 17.5                    | --             |
| Back.....                   | 25.3                          | 19.6                               | 15.8  | 18.6         | 22.4          | 27.1                    | 31.6  | 22.2        | 42.9                 | --                                 | 31.3                          | 14.3                    | 25.0           |
| Upper extremities.....      | 20.7                          | 23.3                               | 26.3  | 19.8         | 27.6          | 19.6                    | 16.6  | --          | 14.3                 | 23.1                               | 21.2                          | 20.6                    | 25.0           |
| Wrist.....                  | 5.3                           | 4.3                                | --  | --           | 3.4           | 5.8                     | 5.9   | --          | --                   | --                                 | 3.0                           | --                      | --             |
| Hand, except finger.....    | 2.9                           | 4.3                                | --  | 7.0          | --            | 2.1                     | 1.6   | --          | --                   | --                                 | --                            | --                      | --             |
| Finger.....                 | 6.4                           | 8.6                                | --  | 4.7          | 15.5          | 5.6                     | 5.3   | --          | --                   | --                                 | 4.0                           | --                      | 12.5           |
| Lower extremities.....      | 20.7                          | 25.2                               | 26.3  | 27.9         | 20.7          | 18.9                    | 18.7  | --          | 28.6                 | 35.9                               | 11.1                          | 20.6                    | 18.8           |
| Knee.....                   | 10.7                          | 11.7                               | 10.5  | 16.3         | 6.9           | 10.3                    | 9.6   | --          | 14.3                 | 23.1                               | 7.1                           | 9.5                     | --             |
| Foot, except toe.....       | 2.9                           | 2.5                                | --  | --           | 3.4           | 3.0                     | 3.2   | --          | --                   | --                                 | 2.0                           | --                      | --             |
| Toe.....                    | 0.5                           | 1.2                                | --  | --           | --            | --                      | --  | --          | --                   | --                                 | --                            | --                      | --             |
| Body systems.....           | 0.5                           | --                                 | --  | --           | --            | --                      | --  | --          | --                   | --                                 | --                            | --                      | --             |
| Multiple parts.....         | 10.8                          | 8.6                                | --  | 10.5         | 6.9           | 11.7                    | 12.8  | --          | --                   | --                                 | 9.1                           | 22.2                    | --             |

See footnotes at end of table.

Table 6. Percent distribution of nonfatal occupational injuries and illnesses involving days away from work <sup>1</sup> by selected injury or illness characteristics and major industry sector, 2004 -- Continued

| Montana--private industry                        |                               |                                    |   |              |               |                         |   |             |                      |                                    |                               |                         |                |
|--|-------------------------------|------------------------------------|---|--------------|---------------|-------------------------|---|-------------|----------------------|------------------------------------|-------------------------------|-------------------------|----------------|
| Characteristic                                   | Private industry <sup>2</sup> | Goods producing <sup>2</sup>       |   |              |               | Service providing       |   |             |                      |                                    |                               |                         |                |
|  |                               | Total goods producing <sup>2</sup> | Natural resources and mining <sup>2,3</sup> | Construction | Manufacturing | Total service providing | Trade, transportation, and utilities <sup>4</sup> | Information | Financial activities | Professional and business services | Education and health services | Leisure and hospitality | Other services |
| Source of injury, illness:                       |                               |                                    |   |              |               |                         |   |             |                      |                                    |                               |                         |                |
| Chemicals and chemical products.....             | 1.0                           | --                                 | --  | --           | --            | 1.2                     | --  | --          | --                   | --                                 | 3.0                           | --                      | --             |
| Containers.....                                  | 16.9                          | 7.4                                | --  | --           | 15.5          | 20.6                    | 31.0  | --          | 14.3                 | --                                 | 7.1                           | 20.6                    | 12.5           |
| Furniture and fixtures.....                      | 2.7                           | --                                 | --  | --           | --            | 3.7                     | 3.7   | --          | --                   | --                                 | 3.0                           | --                      | 12.5           |
| Machinery.....                                   | 5.4                           | 6.7                                | --  | 5.8          | 10.3          | 4.9                     | 7.5   | --          | 14.3                 | --                                 | --                            | --                      | --             |
| Parts and materials.....                         | 11.4                          | 25.8                               | 10.5  | 27.9         | 27.6          | 5.8                     | 10.7  | --          | --                   | --                                 | --                            | --                      | --             |
| Worker motion or position.....                   | 10.2                          | 6.1                                | --  | 4.7          | 8.6           | 11.7                    | 8.6   | --          | 21.4                 | --                                 | 12.1                          | 14.3                    | --             |
| Floors, walkways, ground surfaces.....           | 18.6                          | 15.3                               | 21.1  | 18.6         | 8.6           | 19.9                    | 17.6  | --          | 21.4                 | 33.3                               | 9.1                           | 34.9                    | 18.8           |
| Tools, instruments, and equipment.....           | 7.1                           | 16.0                               | --  | 23.3         | 8.6           | 3.7                     | 4.3   | --          | --                   | --                                 | 2.0                           | --                      | --             |
| Vehicles.....                                    | 5.4                           | 2.5                                | --  | --           | 3.4           | 6.3                     | 9.6   | --          | --                   | --                                 | 3.0                           | --                      | --             |
| Health care patient.....                         | 9.5                           | --                                 | --  | --           | --            | 13.1                    | --  | --          | --                   | --                                 | 55.6                          | --                      | --             |
| Event or exposure:                               |                               |                                    |   |              |               |                         |   |             |                      |                                    |                               |                         |                |
| Contact with objects and equipment.....          | 23.9                          | 33.7                               | 42.1  | 30.2         | 37.9          | 20.1                    | 24.1  | --          | --                   | 35.9                               | 7.1                           | 17.5                    | 43.8           |
| Struck by object.....                            | 11.4                          | 17.8                               | 26.3  | 16.3         | 17.2          | 8.9                     | 11.8  | --          | --                   | --                                 | 3.0                           | 11.1                    | 18.8           |
| Struck against object.....                       | 7.8                           | 7.4                                | --  | 8.1          | 6.9           | 7.9                     | 9.1   | --          | --                   | 23.1                               | 2.0                           | --                      | 18.8           |
| Caught in equipment or object.....               | 2.2                           | 4.9                                | --  | 2.3          | 8.6           | 1.4                     | 1.1   | --          | --                   | --                                 | 3.0                           | --                      | --             |
| Fall to lower level.....                         | 5.6                           | 8.0                                | 10.5  | 10.5         | 3.4           | 4.7                     | 4.8   | --          | --                   | --                                 | --                            | 9.5                     | --             |
| Fall to same level.....                          | 10.2                          | 4.9                                | --  | 5.8          | 3.4           | 12.1                    | 10.2  | --          | 21.4                 | --                                 | 8.1                           | 22.2                    | 12.5           |
| Slips, trips, loss of balance--without fall..... | 2.5                           | --                                 | --  | --           | --            | 3.3                     | 2.7   | --          | --                   | --                                 | --                            | --                      | --             |
| Overexertion.....                                | 40.0                          | 38.7                               | 26.3  | 41.9         | 39.7          | 40.4                    | 41.7  | --          | 35.7                 | 25.6                               | 61.6                          | 23.8                    | 25.0           |
| Overexertion in lifting.....                     | 18.1                          | 19.6                               | 10.5  | 24.4         | 17.2          | 17.5                    | 24.6  | --          | 21.4                 | --                                 | 10.1                          | 14.3                    | 18.8           |
| Repetitive motion.....                           | 3.7                           | 1.8                                | --  | --           | 3.4           | 4.4                     | 2.7   | --          | --                   | --                                 | 6.1                           | --                      | --             |
| Exposure to harmful substances.....              | 3.9                           | 3.7                                | --  | --           | 3.4           | 4.0                     | 1.6   | --          | --                   | --                                 | 4.0                           | 14.3                    | --             |
| Transportation accidents.....                    | 2.5                           | 1.2                                | --  | --           | --            | 3.3                     | 5.9   | --          | --                   | --                                 | --                            | --                      | --             |
| Fires and explosions.....                        | 0.3                           | --                                 | --  | --           | --            | 0.5                     | --  | --          | --                   | --                                 | --                            | --                      | --             |
| Assaults and violent acts by person.....         | 0.7                           | --                                 | --  | --           | --            | 0.9                     | --  | --          | --                   | --                                 | 4.0                           | --                      | --             |

<sup>1</sup> Days-away-from-work cases 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 (Sector 21 in the *North American Industry Classification System* -- United States, 2002) include establishments not governed by the Mine Safety and Health Administration (MSHA) rules and reporting, such as those in oil and gas extraction and related support activities. 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 the Occupational Safety and Health Administration made to its recordkeeping requirements

effective January 1, 2002; therefore estimates for these industries are not comparable to estimates in other industries.

<sup>4</sup> Data for employers in rail transportation are provided to BLS by the Federal Railroad Administration, U.S. Department of Transportation.

NOTE: Dashes indicate data that are not available. Because of rounding and data exclusion of nonclassifiable responses, data may not sum to the totals.

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

**Table 8. Percent distribution of nonfatal occupational injuries and illnesses involving days away from work <sup>1</sup> by selected worker characteristics and number of days away from work, 2004**

| Montana--private industry                           |                            |       |        |             |              |               |               |                 |                            |
|---|----------------------------|-------|--------|-------------|--------------|---------------|---------------|-----------------|----------------------------|
| Characteristic                                      | Percent of cases involving |       |        |             |              |               |               |                 | Median days away from work |
|   | Total cases                | 1 day | 2 days | 3 to 5 days | 6 to 10 days | 11 to 20 days | 21 to 30 days | 31 days or more |                            |
| Total [5,900 cases].....                            | 100.0                      | 16.8  | 13.2   | 20.8        | 13.2         | 10.7          | 5.4           | 20.0            | 5                          |
| Sex:  |                            |       |        |             |              |               |               |                 |                            |
| Men.....  | 100.0                      | 17.0  | 13.2   | 18.1        | 13.2         | 11.0          | 6.3           | 21.6            | 7                          |
| Women.....  | 100.0                      | 16.5  | 13.8   | 26.1        | 13.8         | 10.1          | 3.7           | 16.5            | 5                          |
| Age:  |                            |       |        |             |              |               |               |                 |                            |
| 14 to 15.....                                       | --                         | --    | --     | --          | --           | --            | --            | --              | --                         |
| 16 to 19.....                                       | 100.0                      | 25.0  | 8.3    | 33.3        | --           | 25.0          | --            | --              | 4                          |
| 20 to 24.....                                       | 100.0                      | 10.3  | 24.1   | 17.2        | 19.5         | 9.2           | 2.3           | 17.2            | 5                          |
| 25 to 34.....                                       | 100.0                      | 20.9  | 11.1   | 21.6        | 15.0         | 8.5           | 7.2           | 16.3            | 5                          |
| 35 to 44.....                                       | 100.0                      | 15.1  | 10.1   | 23.0        | 14.4         | 12.2          | 4.3           | 20.9            | 6                          |
| 45 to 54.....                                       | 100.0                      | 13.4  | 14.3   | 21.0        | 12.6         | 10.9          | 5.0           | 21.8            | 6                          |
| 55 to 64.....                                       | 100.0                      | 21.0  | 9.7    | 17.7        | 4.8          | 8.1           | 9.7           | 29.0            | 6                          |
| 65 and over.....                                    | 100.0                      | --    | --     | --          | --           | --            | --            | 42.9            | 21                         |
| Length of service with employer:                    |                            |       |        |             |              |               |               |                 |                            |
| Less than 3 months.....                             | 100.0                      | 22.4  | 10.2   | 26.5        | 12.2         | 9.2           | 3.1           | 16.3            | 4                          |
| 3 to 11 months.....                                 | 100.0                      | 14.7  | 15.4   | 19.6        | 11.2         | 9.8           | 9.1           | 20.3            | 6                          |
| 1 to 5 years.....                                   | 100.0                      | 19.0  | 15.7   | 21.0        | 10.5         | 10.5          | 3.3           | 20.5            | 5                          |
| More than 5 years.....                              | 100.0                      | 11.5  | 9.9    | 18.3        | 20.6         | 13.7          | 5.3           | 19.8            | 7                          |
| Race or ethnic origin:                              |                            |       |        |             |              |               |               |                 |                            |
| White only.....                                     | 100.0                      | 17.8  | 14.1   | 21.2        | 12.1         | 9.6           | 5.7           | 19.3            | 5                          |
| Black only.....                                     | --                         | --    | --     | --          | --           | --            | --            | --              | --                         |
| Hispanic or Latino only.....                        | 100.0                      | --    | --     | 28.6        | --           | --            | --            | --              | 5                          |
| Asian only.....                                     | --                         | --    | --     | --          | --           | --            | --            | --              | --                         |
| Native Hawaiian or other Pacific Islander only..... | --                         | --    | --     | --          | --           | --            | --            | --              | --                         |
| American Indian or Alaskan Native only.....         | 100.0                      | --    | --     | 23.5        | 23.5         | 11.8          | --            | 23.5            | 10                         |
| Hispanic or Latino and other race.....              | --                         | --    | --     | --          | --           | --            | --            | --              | --                         |
| Multi-race.....                                     | --                         | --    | --     | --          | --           | --            | --            | --              | --                         |

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

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

NOTE: Dashes indicate data that are not available. Because of rounding and data exclusion of nonclassifiable responses, data may not sum to the totals.

**Table 9. Percent distribution of nonfatal occupational injuries and illnesses involving days away from work <sup>1</sup> by major occupational group and number of days away from work, 2004**

**Montana--private industry**

| Occupation  | Percent of cases involving |       |        |             |              |               |               |                 | Median days away from work |
|---|----------------------------|-------|--------|-------------|--------------|---------------|---------------|-----------------|----------------------------|
|   | Total cases                | 1 day | 2 days | 3 to 5 days | 6 to 10 days | 11 to 20 days | 21 to 30 days | 31 days or more |                            |
| Total [5,900 cases]   | 100.0                      | 16.8  | 13.2   | 20.8        | 13.2         | 10.7          | 5.4           | 20.0            | 5                          |
| Management occupations.....                                     | 100.0                      | --    | --     | --          | --           | --            | --            | --              | 73                         |
| Business and financial operations occupations.....              | 100.0                      | --    | --     | --          | --           | --            | --            | --              | 1                          |
| Computer and mathematical occupations.....                      | --                         | --    | --     | --          | --           | --            | --            | --              | --                         |
| Architecture and engineering occupations.....                   | --                         | --    | --     | --          | --           | --            | --            | --              | --                         |
| Life, physical, and social science occupations.....             | --                         | --    | --     | --          | --           | --            | --            | --              | --                         |
| Community and social services occupations.....                  | 100.0                      | --    | --     | --          | 50.0         | --            | --            | --              | 6                          |
| Legal occupations.....  | --                         | --    | --     | --          | --           | --            | --            | --              | --                         |
| Education, training, and library occupations.....               | 100.0                      | --    | --     | --          | --           | --            | --            | --              | 5                          |
| Arts, design, entertainment, sports, and media occupations..... | 100.0                      | --    | --     | --          | --           | --            | --            | --              | 14                         |
| Healthcare practitioners and technical occupations.....         | 100.0                      | --    | 22.2   | 16.7        | 22.2         | 22.2          | 11.1          | --              | 7                          |
| Healthcare support occupations.....                             | 100.0                      | 9.4   | 13.2   | 24.5        | 26.4         | 9.4           | 3.8           | 11.3            | 6                          |
| Protective service occupations.....                             | 100.0                      | --    | --     | 25.0        | --           | --            | --            | 37.5            | 21                         |
| Food preparation and serving related occupations.....           | 100.0                      | 8.7   | 19.6   | 26.1        | 6.5          | 10.9          | 6.5           | 23.9            | 4                          |
| Building and grounds cleaning and maintenance occupations.....  | 100.0                      | 25.0  | 25.0   | 8.3         | 12.5         | 8.3           | --            | 20.8            | 3                          |
| Personal care and service occupations.....                      | 100.0                      | 40.0  | --     | --          | --           | --            | --            | 20.0            | 3                          |
| Sales and related occupations.....                              | 100.0                      | 24.5  | 24.5   | 6.1         | 16.3         | 12.2          | 6.1           | 10.2            | 3                          |
| Office and administrative support occupations.....              | 100.0                      | 16.2  | 16.2   | 27.0        | 10.8         | 8.1           | --            | 16.2            | 4                          |
| Farming, fishing, and forestry occupations.....                 | 100.0                      | 18.8  | --     | 25.0        | --           | --            | --            | 43.8            | 5                          |
| Construction and extraction occupations.....                    | 100.0                      | 15.1  | 9.7    | 20.4        | 8.6          | 16.1          | 4.3           | 26.9            | 7                          |
| Installation, maintenance, and repair occupations.....          | 100.0                      | 19.1  | 10.6   | 17.0        | 17.0         | 8.5           | 4.3           | 23.4            | 7                          |
| Production occupations.....                                     | 100.0                      | 24.4  | 9.8    | 24.4        | 14.6         | 7.3           | --            | 17.1            | 5                          |
| Transportation and material moving occupations.....             | 100.0                      | 17.1  | 10.1   | 23.3        | 11.6         | 8.5           | 8.5           | 20.2            | 5                          |

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

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

NOTE: Dashes indicate data that are not available. Because of rounding and data exclusion of nonclassifiable responses, data may not sum to the totals.

**Table 10. Percent distribution of nonfatal occupational injuries and illnesses involving days away from work <sup>1</sup> by selected occupations and number of days away from work, 2004**

| Montana--private industry  |                            |       |        |             |              |               |               |                 |                            |
|--|----------------------------|-------|--------|-------------|--------------|---------------|---------------|-----------------|----------------------------|
| Occupation   | Percent of cases involving |       |        |             |              |               |               |                 | Median days away from work |
|  | Total cases                | 1 day | 2 days | 3 to 5 days | 6 to 10 days | 11 to 20 days | 21 to 30 days | 31 days or more |                            |
| Total [5,900 cases]  | 100.0                      | 16.8  | 13.2   | 20.8        | 13.2         | 10.7          | 5.4           | 20.0            | 5                          |
| Laborers and freight, stock, and material movers, hand.....                  | 100.0                      | 21.6  | 13.7   | 31.4        | 13.7         | 7.8           | 3.9           | 7.8             | 5                          |
| Construction laborers.....   | 100.0                      | 12.2  | 14.6   | 19.5        | 7.3          | 19.5          | --            | 24.4            | 7                          |
| Nursing aides, orderlies, and attendants.....                                | 100.0                      | 5.3   | 15.8   | 21.1        | 31.6         | 10.5          | 5.3           | 7.9             | 7                          |
| Truck drivers, heavy and tractor-trailer.....                                | 100.0                      | 23.1  | --     | 7.7         | 7.7          | 11.5          | 26.9          | 23.1            | 21                         |
| Truck drivers, light or delivery services.....                               | 100.0                      | 8.0   | 12.0   | 16.0        | 16.0         | 12.0          | --            | 28.0            | 9                          |
| Carpenters.....  | 100.0                      | 25.0  | --     | 33.3        | 8.3          | 16.7          | --            | 12.5            | 4                          |
| Cashiers.....  | 100.0                      | 9.1   | 27.3   | 13.6        | 27.3         | --            | --            | 9.1             | 5                          |
| Retail salespersons.....   | 100.0                      | 50.0  | --     | --          | --           | 18.8          | 12.5          | --              | 1                          |
| Combined food preparation and serving workers, including fast food.....      | 100.0                      | --    | 16.7   | 25.0        | --           | --            | --            | 33.3            | 7                          |
| Driver/sales workers.....  | 100.0                      | --    | --     | 45.5        | --           | --            | --            | 45.5            | 5                          |
| Home health aides.....   | 100.0                      | 20.0  | --     | 30.0        | 20.0         | --            | --            | --              | 5                          |
| Maids and housekeeping cleaners.....   | 100.0                      | 22.2  | --     | --          | --           | --            | --            | 22.2            | 8                          |
| Janitors and cleaners, except maids and housekeeping cleaners.....           | 100.0                      | --    | 37.5   | --          | --           | --            | --            | 37.5            | 5                          |
| Stock clerks and order fillers.....  | 100.0                      | --    | 25.0   | --          | --           | --            | --            | 37.5            | 7                          |
| Registered nurses.....   | 100.0                      | --    | --     | --          | --           | 28.6          | --            | --              | 4                          |
| Cooks, restaurant.....   | 100.0                      | --    | --     | --          | --           | --            | --            | 42.9            | 24                         |
| Farmworkers and laborers, crop, nursery, and greenhouse.....                 | 100.0                      | --    | --     | 42.9        | --           | --            | --            | 57.1            | 27                         |
| Mobile heavy equipment mechanics, except engines.....                        | 100.0                      | --    | --     | --          | --           | --            | --            | 42.9            | 17                         |
| First-line supervisors/managers of food preparation and serving workers..... | 100.0                      | --    | 83.3   | --          | --           | --            | --            | --              | 2                          |
| Food preparation workers.....  | 100.0                      | 33.3  | --     | --          | --           | --            | --            | --              | 3                          |
| Customer service representatives.....  | 100.0                      | 33.3  | --     | --          | --           | --            | --            | --              | 5                          |
| Operating engineers and other construction equipment operators.....          | 100.0                      | --    | --     | --          | --           | --            | --            | 66.7            | 51                         |
| Automotive service technicians and mechanics.....                            | 100.0                      | 33.3  | --     | --          | --           | --            | --            | --              | 2                          |
| Security guards.....   | 100.0                      | --    | --     | --          | --           | --            | --            | 40.0            | 21                         |
| Landscaping and groundskeeping workers.....                                  | 100.0                      | --    | 40.0   | --          | --           | --            | --            | --              | 2                          |

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

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

NOTE: Dashes indicate data that are not available. Because of rounding and data exclusion of nonclassifiable responses, data may not sum to the totals.

**Table 11. Percent distribution of nonfatal occupational injuries and illnesses involving days away from work <sup>1</sup> by selected injury or illness characteristics and number of days away from work, 2004**

Montana--private industry

| Characteristic              | Percent of cases involving |       |        |             |              |               |               |                 | Median days away from work |
|-----------------------------|----------------------------|-------|--------|-------------|--------------|---------------|---------------|-----------------|----------------------------|
|                             | Total cases                | 1 day | 2 days | 3 to 5 days | 6 to 10 days | 11 to 20 days | 21 to 30 days | 31 days or more |                            |
| Total [5,900 cases].....    | 100.0                      | 16.8  | 13.2   | 20.8        | 13.2         | 10.7          | 5.4           | 20.0            | 5                          |
| Nature of injury, illness:  |                            |       |        |             |              |               |               |                 |                            |
| Sprains, strains.....       | 100.0                      | 12.0  | 14.5   | 20.8        | 16.9         | 9.9           | 5.1           | 20.8            | 7                          |
| Bruises, contusions.....    | 100.0                      | 33.3  | 15.2   | 27.3        | --           | 9.1           | --            | 9.1             | 2                          |
| Cuts, lacerations.....      | 100.0                      | 43.3  | 16.7   | 20.0        | --           | 6.7           | 6.7           | --              | 2                          |
| Fractures.....              | 100.0                      | 12.5  | 9.4    | 6.3         | 9.4          | 18.8          | 9.4           | 34.4            | 16                         |
| Heat burns.....             | 100.0                      | --    | --     | 36.4        | 18.2         | --            | --            | --              | 3                          |
| Carpal tunnel syndrome..... | 100.0                      | --    | --     | 30.0        | 20.0         | --            | --            | 20.0            | 7                          |
| Tendonitis.....             | 100.0                      | --    | --     | --          | --           | --            | --            | --              | 2                          |
| Chemical burns.....         | 100.0                      | --    | --     | --          | --           | --            | --            | --              | 2                          |
| Amputations.....            | --                         | --    | --     | --          | --           | --            | --            | --              | --                         |
| Multiple injuries.....      | 100.0                      | --    | 12.5   | 43.8        | 12.5         | --            | --            | 18.8            | 5                          |
| Part of body affected:      |                            |       |        |             |              |               |               |                 |                            |
| Head.....                   | 100.0                      | 36.7  | 13.3   | 26.7        | --           | 10.0          | --            | 6.7             | 2                          |
| Eye.....                    | 100.0                      | 50.0  | --     | 16.7        | --           | --            | --            | --              | 1                          |
| Neck.....                   | 100.0                      | --    | --     | --          | --           | --            | --            | 28.6            | 18                         |
| Trunk.....                  | 100.0                      | 15.3  | 11.2   | 18.2        | 16.9         | 9.1           | 6.6           | 22.3            | 7                          |
| Shoulder.....               | 100.0                      | 12.7  | 12.7   | 12.7        | 12.7         | 9.1           | --            | 40.0            | 11                         |
| Back.....                   | 100.0                      | 18.8  | 11.4   | 20.1        | 18.1         | 7.4           | 6.7           | 17.4            | 5                          |
| Upper extremities.....      | 100.0                      | 18.9  | 16.4   | 17.2        | 14.8         | 16.4          | 3.3           | 13.1            | 5                          |
| Wrist.....                  | 100.0                      | 12.9  | 19.4   | 12.9        | 25.8         | 9.7           | --            | 19.4            | 7                          |
| Hand, except finger.....    | 100.0                      | 41.2  | 11.8   | 17.6        | 11.8         | --            | --            | 11.8            | 2                          |
| Finger.....                 | 100.0                      | 23.7  | 18.4   | 15.8        | 13.2         | 10.5          | 5.3           | 10.5            | 4                          |
| Lower extremities.....      | 100.0                      | 9.0   | 11.5   | 27.9        | 8.2          | 11.5          | 7.4           | 23.8            | 6                          |
| Knee.....                   | 100.0                      | 4.8   | 7.9    | 23.8        | 9.5          | 12.7          | 6.3           | 34.9            | 13                         |
| Foot, except toe.....       | 100.0                      | 17.6  | 23.5   | 23.5        | --           | --            | 11.8          | --              | 3                          |
| Toe.....                    | 100.0                      | --    | --     | --          | --           | --            | --            | --              | 3                          |
| Body systems.....           | 100.0                      | --    | --     | --          | --           | --            | --            | --              | 2                          |
| Multiple parts.....         | 100.0                      | 20.3  | 17.2   | 23.4        | 9.4          | 6.3           | --            | 20.3            | 5                          |

See footnotes at end of table.

**Table 11. Percent distribution of nonfatal occupational injuries and illnesses involving days away from work <sup>1</sup> by selected injury or illness characteristics and number of days away from work, 2004 -- Continued**

Montana--private industry

| Characteristic                                   | Percent of cases involving |       |        |             |              |               |               |                 | Median days away from work |
|--|----------------------------|-------|--------|-------------|--------------|---------------|---------------|-----------------|----------------------------|
|  | Total cases                | 1 day | 2 days | 3 to 5 days | 6 to 10 days | 11 to 20 days | 21 to 30 days | 31 days or more |                            |
| <b>Source of injury, illness:</b>                |                            |       |        |             |              |               |               |                 |                            |
| Chemicals and chemical products.....             | 100.0                      | --    | --     | 66.7        | --           | --            | --            | --              | 3                          |
| Containers.....                                  | 100.0                      | 18.0  | 10.0   | 18.0        | 17.0         | 6.0           | 5.0           | 25.0            | 7                          |
| Furniture and fixtures.....                      | 100.0                      | 12.5  | 12.5   | 37.5        | 12.5         | 12.5          | --            | 12.5            | 4                          |
| Machinery.....                                   | 100.0                      | 25.0  | 18.8   | 12.5        | 12.5         | 9.4           | 6.3           | 15.6            | 4                          |
| Parts and materials.....                         | 100.0                      | 17.9  | 16.4   | 16.4        | 9.0          | 13.4          | 3.0           | 22.4            | 6                          |
| Worker motion or position.....                   | 100.0                      | 8.3   | 16.7   | 13.3        | 13.3         | 15.0          | 3.3           | 28.3            | 10                         |
| Floors, walkways, ground surfaces.....           | 100.0                      | 10.9  | 12.7   | 30.0        | 8.2          | 11.8          | 8.2           | 18.2            | 5                          |
| Tools, instruments, and equipment.....           | 100.0                      | 23.8  | 11.9   | 14.3        | 16.7         | 19.0          | --            | 14.3            | 7                          |
| Vehicles.....                                    | 100.0                      | 31.3  | 12.5   | 18.8        | 6.3          | --            | --            | 25.0            | 3                          |
| Health care patient.....                         | 100.0                      | 10.7  | 12.5   | 23.2        | 25.0         | 14.3          | 5.4           | 8.9             | 6                          |
| <b>Event or exposure:</b>                        |                            |       |        |             |              |               |               |                 |                            |
| Contact with objects and equipment.....          | 100.0                      | 29.1  | 13.5   | 24.1        | 6.4          | 7.8           | 3.5           | 14.9            | 3                          |
| Struck by object.....                            | 100.0                      | 32.8  | 14.9   | 20.9        | 7.5          | 9.0           | 3.0           | 10.4            | 3                          |
| Struck against object.....                       | 100.0                      | 26.1  | 8.7    | 32.6        | 6.5          | 4.3           | --            | 19.6            | 5                          |
| Caught in equipment or object.....               | 100.0                      | 23.1  | 30.8   | --          | --           | --            | --            | 15.4            | 2                          |
| Fall to lower level.....                         | 100.0                      | 9.1   | 9.1    | 27.3        | 15.2         | 12.1          | 9.1           | 21.2            | 8                          |
| Fall to same level.....                          | 100.0                      | 13.3  | 18.3   | 20.0        | 6.7          | 13.3          | 5.0           | 21.7            | 5                          |
| Slips, trips, loss of balance--without fall..... | 100.0                      | --    | --     | 20.0        | --           | --            | --            | 46.7            | 22                         |
| Overexertion.....                                | 100.0                      | 12.3  | 11.9   | 18.6        | 19.1         | 11.9          | 5.1           | 21.2            | 7                          |
| Overexertion in lifting.....                     | 100.0                      | 12.1  | 13.1   | 15.9        | 18.7         | 8.4           | 4.7           | 26.2            | 7                          |
| Repetitive motion.....                           | 100.0                      | 9.1   | 18.2   | 18.2        | 9.1          | 18.2          | --            | 18.2            | 7                          |
| Exposure to harmful substances.....              | 100.0                      | 17.4  | 13.0   | 39.1        | 8.7          | --            | --            | 8.7             | 3                          |
| Transportation accidents.....                    | 100.0                      | 40.0  | 13.3   | --          | --           | --            | --            | 40.0            | 3                          |
| Fires and explosions.....                        | 100.0                      | --    | --     | --          | --           | --            | --            | --              | 19                         |
| Assaults and violent acts by person.....         | 100.0                      | --    | --     | 50.0        | --           | --            | --            | --              | 3                          |

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

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

NOTE: Dashes indicate data that are not available. Because of rounding and data exclusion of nonclassifiable responses, data may not sum to the totals.

**Table 12. Percent distribution of nonfatal occupational injuries and illnesses involving days away from work <sup>1</sup> by major industry sector and number of days away from work, 2004**

**Montana--private industry**

| Industry sector   | Percent of cases involving |       |        |             |              |               |               |                 | Median days away from work |
|---|----------------------------|-------|--------|-------------|--------------|---------------|---------------|-----------------|----------------------------|
|   | Total cases                | 1 day | 2 days | 3 to 5 days | 6 to 10 days | 11 to 20 days | 21 to 30 days | 31 days or more |                            |
| Private industry <sup>2</sup> [5,900 cases].....        | 100.0                      | 16.8  | 13.2   | 20.8        | 13.2         | 10.7          | 5.4           | 20.0            | 5                          |
| Goods producing <sup>2</sup> .....                      | 100.0                      | 18.4  | 11.0   | 17.8        | 9.8          | 11.0          | 4.3           | 27.0            | 7                          |
| Natural resources and mining <sup>2,3</sup> .....       | 100.0                      | 21.1  | --     | 10.5        | 10.5         | --            | --            | 42.1            | 12                         |
| Construction.....                                       | 100.0                      | 14.0  | 10.5   | 17.4        | 11.6         | 15.1          | 3.5           | 29.1            | 8                          |
| Manufacturing.....                                      | 100.0                      | 24.1  | 13.8   | 20.7        | 8.6          | 6.9           | 5.2           | 19.0            | 4                          |
| Service providing.....                                  | 100.0                      | 16.1  | 14.0   | 22.2        | 14.3         | 10.5          | 5.6           | 17.3            | 5                          |
| Trade, transportation, and utilities <sup>4</sup> ..... | 100.0                      | 19.8  | 15.0   | 15.5        | 13.4         | 12.8          | 7.5           | 16.0            | 6                          |
| Information.....  | 100.0                      | --    | 22.2   | 44.4        | --           | --            | --            | --              | 5                          |
| Financial activities.....                               | 100.0                      | 28.6  | 14.3   | --          | --           | 14.3          | --            | 14.3            | 3                          |
| Professional and business services.....                 | 100.0                      | 15.4  | --     | 38.5        | 10.3         | --            | --            | 28.2            | 5                          |
| Education and health services.....                      | 100.0                      | 12.1  | 15.2   | 25.3        | 20.2         | 11.1          | 6.1           | 10.1            | 5                          |
| Leisure and hospitality.....                            | 100.0                      | 12.7  | 15.9   | 28.6        | 11.1         | 7.9           | --            | 22.2            | 5                          |
| Other services, except public administration.....       | 100.0                      | 12.5  | 12.5   | 18.8        | 12.5         | --            | --            | 31.3            | 10                         |

<sup>1</sup> Days-away-from-work cases 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 (Sector 21 in the *North American Industry Classification System* -- United States, 2002) include establishments not governed by the Mine Safety and Health Administration (MSHA) rules and reporting, such as those in oil and gas extraction and related support activities. 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 the Occupational Safety

and Health Administration made to its recordkeeping requirements effective January 1, 2002: therefore estimates for these industries are not comparable to estimates in other industries.

<sup>4</sup> Data for employers in rail transportation are provided to BLS by the Federal Railroad Administration, U.S. Department of Transportation.

NOTE: Dashes indicate data that are not available. Because of rounding and data exclusion of nonclassifiable responses, data may not sum to the totals.

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

**Table 14. Percent distribution of nonfatal occupational injuries and illnesses involving days away from work <sup>1</sup> by time, hours on the job, and weekday and major industry sector, 2004**

**Montana--private industry**

| Characteristic                          | Private industry <sup>2</sup> | Goods producing <sup>2</sup>       |   |              |               | Service providing       |   |             |                      |                                    |                               |                         |                |
|---|-------------------------------|------------------------------------|---|--------------|---------------|-------------------------|---|-------------|----------------------|------------------------------------|-------------------------------|-------------------------|----------------|
|   |                               | Total goods producing <sup>2</sup> | Natural resources and mining <sup>2,3</sup> | Construction | Manufacturing | Total service providing | Trade, transportation, and utilities <sup>4</sup> | Information | Financial activities | Professional and business services | Education and health services | Leisure and hospitality | Other services |
| Total [5,900 cases].....                | 100.0                         | 100.0                              | 100.0                                       | 100.0        | 100.0         | 100.0                   | 100.0   | 100.0       | 100.0                | 100.0                              | 100.0                         | 100.0                   | 100.0          |
| Time of event:                          |                               |                                    |   |              |               |                         |   |             |                      |                                    |                               |                         |                |
| 12:01 A.M. to 4:00 A.M.....             | 1.7                           | --                                 | --  | --           | --            | 2.1                     | 2.1   | --          | --                   | --                                 | 3.0                           | --                      | --             |
| 4:01 A.M. to 8:00 A.M.....              | 7.8                           | 4.9                                | --  | --           | 12.1          | 8.9                     | 7.0   | --          | --                   | --                                 | 20.2                          | --                      | --             |
| 8:01 A.M. to 12:00 noon.....            | 25.4                          | 28.8                               | 21.1  | 29.1         | 29.3          | 24.1                    | 24.6  | 22.2        | 28.6                 | 38.5                               | 19.2                          | 20.6                    | 25.0           |
| 12:01 P.M. to 4:00 P.M.....             | 22.2                          | 25.8                               | 21.1  | 29.1         | 20.7          | 20.8                    | 21.9  | --          | 14.3                 | 25.6                               | 20.2                          | 19.0                    | 25.0           |
| 4:01 P.M. to 8:00 P.M.....              | 10.2                          | 8.0                                | --  | 7.0          | 12.1          | 11.2                    | 9.6   | --          | --                   | --                                 | 9.1                           | 20.6                    | --             |
| 8:01 P.M. to 12:00 midnight.....        | 4.2                           | 2.5                                | --  | --           | 6.9           | 4.9                     | 5.3   | --          | --                   | --                                 | 3.0                           | 9.5                     | --             |
| Not reported.....                       | 28.5                          | 29.4                               | 47.4  | 32.6         | 19.0          | 28.0                    | 29.9  | --          | 35.7                 | --                                 | 25.3                          | 28.6                    | 37.5           |
| Hours on the job before event occurred: |                               |                                    |   |              |               |                         |   |             |                      |                                    |                               |                         |                |
| Before shift began.....                 | 0.5                           | --                                 | --  | --           | --            | 0.5                     | --  | --          | --                   | --                                 | --                            | --                      | --             |
| Less than 1 hour.....                   | 6.8                           | 4.3                                | --  | 4.7          | 5.2           | 7.5                     | 6.4   | 22.2        | --                   | --                                 | 15.2                          | --                      | --             |
| 1 hour to less than 2 hours.....        | 8.8                           | 6.7                                | --  | --           | 12.1          | 9.3                     | 9.6   | --          | 14.3                 | 23.1                               | 7.1                           | --                      | 12.5           |
| 2 hours to less than 4 hours.....       | 20.7                          | 17.2                               | 15.8  | 14.0         | 22.4          | 22.0                    | 16.6  | --          | 21.4                 | 20.5                               | 23.2                          | 41.3                    | 18.8           |
| 4 hours to less than 6 hours.....       | 13.7                          | 17.2                               | 10.5  | 17.4         | 19.0          | 12.1                    | 15.5  | --          | --                   | --                                 | 12.1                          | 11.1                    | 12.5           |
| 6 hours to less than 8 hours.....       | 12.2                          | 12.9                               | 10.5  | 14.0         | 12.1          | 11.7                    | 11.8  | --          | --                   | 25.6                               | 12.1                          | --                      | 12.5           |
| 8 hours to less than 10 hours.....      | 6.6                           | 9.8                                | --  | 12.8         | 6.9           | 5.4                     | 4.8   | --          | --                   | --                                 | 3.0                           | 9.5                     | --             |
| 10 hours to less than 12 hours.....     | 1.2                           | 1.2                                | --  | --           | --            | 1.2                     | --  | --          | --                   | --                                 | --                            | --                      | --             |
| 12 hours to less than 16 hours.....     | 0.3                           | --                                 | --  | --           | --            | --                      | --  | --          | --                   | --                                 | --                            | --                      | --             |
| More than 16 hours.....                 | --                            | --                                 | --  | --           | --            | --                      | --  | --          | --                   | --                                 | --                            | --                      | --             |
| Not reported.....                       | 29.7                          | 29.4                               | 47.4  | 32.6         | 19.0          | 29.7                    | 33.7  | --          | 35.7                 | --                                 | 25.3                          | 28.6                    | 37.5           |
| Day of week:                            |                               |                                    |   |              |               |                         |   |             |                      |                                    |                               |                         |                |
| Sunday.....                             | 6.3                           | 4.3                                | --  | --           | 8.6           | 7.0                     | 7.0   | --          | --                   | --                                 | 7.1                           | 12.7                    | --             |
| Monday.....                             | 17.1                          | 17.8                               | 21.1  | 19.8         | 15.5          | 16.6                    | 16.0  | --          | 14.3                 | 20.5                               | 16.2                          | 19.0                    | 12.5           |
| Tuesday.....                            | 18.5                          | 17.2                               | 15.8  | 16.3         | 19.0          | 18.9                    | 22.5  | --          | --                   | --                                 | 21.2                          | 14.3                    | 12.5           |
| Wednesday.....                          | 16.6                          | 23.9                               | 21.1  | 27.9         | 19.0          | 13.8                    | 16.0  | --          | 21.4                 | --                                 | 16.2                          | --                      | 18.8           |
| Thursday.....                           | 17.6                          | 16.0                               | 10.5  | 19.8         | 12.1          | 18.2                    | 16.0  | --          | 14.3                 | 41.0                               | 12.1                          | 20.6                    | 12.5           |
| Friday.....                             | 15.1                          | 14.1                               | 15.8  | 9.3          | 20.7          | 15.4                    | 13.4  | --          | 21.4                 | 17.9                               | 15.2                          | 15.9                    | 37.5           |
| Saturday.....                           | 9.0                           | 6.7                                | --  | 7.0          | 5.2           | 10.0                    | 10.2  | --          | --                   | --                                 | 12.1                          | 12.7                    | --             |

<sup>1</sup> Days-away-from-work cases 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 (Sector 21 in the *North American Industry Classification System* -- United States, 2002) include establishments not governed by the Mine Safety and Health Administration (MSHA) rules and reporting, such as those in oil and gas extraction and related support activities. 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 the Occupational Safety and Health Administration made to its recordkeeping

requirements effective January 1, 2002: therefore estimates for these industries are not comparable to estimates in other industries.

<sup>4</sup> Data for employers in rail transportation are provided to BLS by the Federal Railroad Administration, U.S. Department of Transportation.

NOTE: Dashes indicate data that are not available. Because of rounding and data exclusion of nonclassifiable responses, data may not sum to the totals.

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

Table 15. Percent distribution of nonfatal occupational injuries and illnesses involving days away from work <sup>1</sup> by time, hours on the job, and weekday and number of days away from work, 2004

| Montana--private industry               |                            |       |        |             |              |               |               |                 |                            |
|---|----------------------------|-------|--------|-------------|--------------|---------------|---------------|-----------------|----------------------------|
| Characteristic                          | Percent of cases involving |       |        |             |              |               |               |                 | Median days away from work |
|   | Total cases                | 1 day | 2 days | 3 to 5 days | 6 to 10 days | 11 to 20 days | 21 to 30 days | 31 days or more |                            |
| Total [5,900 cases].....                | 100.0                      | 16.8  | 13.2   | 20.8        | 13.2         | 10.7          | 5.4           | 20.0            | 5                          |
| Time of event:                          |                            |       |        |             |              |               |               |                 |                            |
| 12:01 A.M. to 4:00 A.M.....             | 100.0                      | 40.0  | --     | 20.0        | --           | 20.0          | --            | 20.0            | 4                          |
| 4:01 A.M. to 8:00 A.M.....              | 100.0                      | 8.7   | 6.5    | 15.2        | 32.6         | 17.4          | 4.3           | 13.0            | 8                          |
| 8:01 A.M. to 12:00 noon.....            | 100.0                      | 22.0  | 16.0   | 18.0        | 10.7         | 8.7           | 6.7           | 17.3            | 4                          |
| 12:01 P.M. to 4:00 P.M.....             | 100.0                      | 19.8  | 15.3   | 23.7        | 9.9          | 6.9           | 3.1           | 19.8            | 5                          |
| 4:01 P.M. to 8:00 P.M.....              | 100.0                      | 15.0  | 5.0    | 31.7        | 6.7          | 11.7          | 3.3           | 26.7            | 5                          |
| 8:01 P.M. to 12:00 midnight.....        | 100.0                      | 8.0   | 28.0   | 20.0        | 8.0          | 16.0          | 12.0          | 8.0             | 5                          |
| Not reported.....                       | 100.0                      | 11.9  | 11.3   | 18.5        | 16.1         | 11.9          | 6.5           | 23.8            | 7                          |
| Hours on the job before event occurred: |                            |       |        |             |              |               |               |                 |                            |
| Before shift began.....                 | 100.0                      | --    | --     | --          | --           | 66.7          | --            | --              | 13                         |
| Less than 1 hour.....                   | 100.0                      | 20.0  | 22.5   | 15.0        | 15.0         | 15.0          | --            | 7.5             | 4                          |
| 1 hour to less than 2 hours.....        | 100.0                      | 23.1  | 15.4   | 21.2        | 5.8          | 7.7           | 3.8           | 19.2            | 4                          |
| 2 hours to less than 4 hours.....       | 100.0                      | 16.4  | 14.8   | 22.1        | 16.4         | 9.0           | 6.6           | 15.6            | 5                          |
| 4 hours to less than 6 hours.....       | 100.0                      | 24.7  | 9.9    | 19.8        | 11.1         | 7.4           | 3.7           | 23.5            | 5                          |
| 6 hours to less than 8 hours.....       | 100.0                      | 12.5  | 12.5   | 34.7        | 8.3          | 9.7           | 4.2           | 18.1            | 5                          |
| 8 hours to less than 10 hours.....      | 100.0                      | 23.1  | 10.3   | 12.8        | 12.8         | 15.4          | 5.1           | 20.5            | 7                          |
| 10 hours to less than 12 hours.....     | 100.0                      | --    | --     | --          | --           | --            | --            | 42.9            | 8                          |
| 12 hours to less than 16 hours.....     | 100.0                      | --    | --     | --          | --           | --            | --            | --              | 14                         |
| More than 16 hours.....                 | 100.0                      | 11.4  | 11.4   | 18.3        | 16.0         | 12.0          | 6.9           | 24.6            | 7                          |
| Day of week:                            |                            |       |        |             |              |               |               |                 |                            |
| Sunday.....                             | 100.0                      | 13.5  | 10.8   | 13.5        | 18.9         | 10.8          | 5.4           | 27.0            | 9                          |
| Monday.....                             | 100.0                      | 23.8  | 11.9   | 24.8        | 8.9          | 6.9           | 5.9           | 17.8            | 4                          |
| Tuesday.....                            | 100.0                      | 18.3  | 11.0   | 15.6        | 14.7         | 8.3           | 11.0          | 22.0            | 8                          |
| Wednesday.....                          | 100.0                      | 18.4  | 16.3   | 18.4        | 12.2         | 9.2           | 3.1           | 21.4            | 4                          |
| Thursday.....                           | 100.0                      | 9.6   | 8.7    | 29.8        | 11.5         | 15.4          | 3.8           | 21.2            | 6                          |
| Friday.....                             | 100.0                      | 12.4  | 16.9   | 19.1        | 14.6         | 11.2          | 3.4           | 22.5            | 7                          |
| Saturday.....                           | 100.0                      | 18.9  | 18.9   | 20.8        | 17.0         | 15.1          | 3.8           | 5.7             | 5                          |

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

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

NOTE: Dashes indicate data that are not available. Because of rounding and data exclusion of nonclassifiable responses, data may not sum to the totals.

# Appendix D

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## Glossary of Terms



**Annual summary** - Consists of a copy of the occupational injury and illness totals for the year from the OSHA No.300, and the following information: the calendar year covered, company name, establishment address, certification signature, title, and date.

**Annual survey** - Each year the Bureau of Labor Statistics conducts an annual survey of occupational injuries and illnesses to produce national statistics. The OSHA injury and illness records maintained by employers in their establishments serve as the basis for this survey.

**Cooperative program** - A program jointly conducted by the states and the federal government to collect occupational injury and illness statistics.

**Employee** - One who is employed in the business of his or her employer affecting commerce.

**Employer** - Any person engaged in a business affecting commerce that has employees.

**Establishment** - A single physical location where business is conducted or where services or industrial operations are performed; the place where the employees report for work, operate from, or from which they are paid.

**Exposure** - The reasonable likelihood that a worker is or was subject to some effect, influence, or safety hazard; or in contact with a hazardous chemical or physical agent at a sufficient concentration and duration to produce an illness.

**Federal Register** - The official source of information and notification on OSHA's proposed rulemaking, standards, regulations, and other official matters, including amendments, corrections, insertions, or deletions.

**First aid** - Any one-time treatment and subsequent observation of minor scratches, cuts, burns, splinters, and so forth, which do not ordinarily require medical care. Such treatment and observation are considered first aid even though provided by a physician or registered professional personnel.

**First report of injury** - A worker's compensation form, which may qualify as a substitute for the supplementary record OSHA No. 301.

**Hours worked** - The total hours worked by all employees during the report period. Includes all time on duty, but does not include vacations, holidays, sick leave, and all other non-work time even though paid.

**Incidence rate** - The number of injuries, illnesses, or lost workdays related to a common exposure base of 100 full-time workers. The common exposure base enables one to make

accurate interindustry comparisons, trend analyses over time, or comparisons among firms regardless of size.

**Log and summary** - (OSHA No.300) The OSHA record-keeping form used to list injuries and illnesses, also to note the extent of each case.

**Lost workday cases** - Cases that involve days away from work, days of restricted work activity, or both.

**Lost workdays** - The number of workdays (consecutive or not) beyond the day of injury or onset of illness the employee was away from work or limited to restricted work activity because of an occupational injury or illness.

**Lost workdays-away from work** - The number of workdays (consecutive or not) on which the employee would have worked but could not because of occupational injury or illness. The number of days away from work or days of restricted work activity does not include the day of injury or onset of illness.

**Lost workdays-restricted work activity** - The number of workdays (consecutive or not) on which, because of injury or illness: (1) the employee was assigned to another job on a temporary basis; or (2) the employee worked at a permanent job less than full time; or (3) the employee worked at a permanently assigned job but could not perform all duties normally connected with it. The number of days away from work or days of restricted work activity does not include the day of injury or onset of illness.

**Low-hazard industries** - Selected industries in retail trade, finance, insurance, and real estate; and services which are regularly exempt from OSHA record-keeping. To be included in this exemption, an industry must fall within a NAICS sector not targeted for general schedule inspections and must have an average lost workday case injury rate for a designated three-year measurement period at or below 75 percent of the U.S. private sector average rate.

**Medical treatment** - Includes treatment of injuries administered by physicians, registered professional personnel or lay persons (i.e., non-medical personnel). Medical treatment does not include first aid treatment (one-time treatment and subsequent observation of minor scratches, cuts, burns, splinters, and so forth, which do not ordinarily require medical care) even if provided by a physician or registered professional personnel.

**North American Industry Classification System (NAICS)** - A classification system that groups establishments into industries based on the activities in which they are primarily engaged. NAICS classifies all economic activities into 20 sectors. Each establishment is assigned an industry code for its major activity, which is determined by the product or group of products produced or services rendered. The structure of NAICS is hierarchical.

Establishments may be classified in two-digits (designates the sector), three-digits (designates the subsector), four-digits (designates the industry group), five-digits (designates the NAICS industry), or six-digits (designates the national industry).

**Occupational Illness** - Any abnormal condition or disorder, other than one resulting from an occupational injury, caused by exposure to environmental factors associated with employment. It includes acute and chronic illnesses or diseases, which may be caused by inhalation, absorption, ingestion, or direct contact.

**Occupational skin diseases or disorders** - Examples are: contact dermatitis, eczema or rash caused by primary irritants and sensitizers or poisonous plants; oil acne; chrome ulcers; chemical burns or inflammations; etc.

**Dust diseases of the lungs** - Examples are: silicosis, asbestosis and other asbestos-related diseases, coal worker's pneumoconiosis, byssinosis, siderosis and other pneumoconioses.

**Respiratory conditions due to toxic agents** - Examples are: pneumonitis, pharyngitis, rhinitis or acute congestion due to chemicals, dusts, gases, or fumes, farmer's lung, etc.

**Poisoning** - Systemic effects of toxic materials. Examples are: poisoning by lead, mercury, cadmium, arsenic or other metals; poisoning by carbon monoxide, hydrogen sulfide or other gases; poisoning by benzol, carbon tetrachloride or other organic solvents; poisoning by insecticide sprays such as parathion and lead arsenate; poisoning by other chemicals such as formaldehyde, plastics and resins; etc.

**Disorders due to physical agents** - Other than toxic materials.

Examples are: heatstroke, sunstroke, heat exhaustion, and other effects of environmental heat; freezing, frostbite, and effects of exposure to low temperatures; caisson disease; effects of ionizing radiation (isotopes, X-rays, radium); effects of nonionizing radiation (welding flash, ultraviolet rays, microwaves, sunburn), etc.

**Disorders associated with repeated trauma** - Examples are: noise-induced hearing loss; synovitis, tenosynovitis, and bursitis; Raynaud's phenomena; and other conditions due to repeated motion, vibration, or pressure.

**All other occupational illnesses** - Examples are: anthrax, brucellosis, infectious hepatitis, malignant and benign tumors, food poisoning, histoplasmosis, coccidioidomycosis, etc.

**Occupational Injury** - Any injury such as a cut, fracture, sprain, amputation, etc., which results from a work accident or from a single instantaneous exposure in the work environment. Note: Conditions resulting from animal bites, such as insect or snakebites, and from one-time exposure to chemicals are considered to be injuries.

**Occupational Safety and Health Administration (OSHA)** - OSHA is responsible for developing, implementing and enforcing safety and health standards and regulations. OSHA works with employers and employees to foster effective safety and health programs which reduce workplace hazards.

**Recordable cases** - All work-related deaths and illnesses and those work-related injuries which result in loss of consciousness, restriction of work or motion, transfer to another job, or require medical treatment beyond first aid.

**Regularly exempt employers** - Employers regularly exempt from OSHA record-keeping include, but are not limited to, employers in retail trade; finance, insurance, and real estate; services industries; and all employers with no more than 10 full or part-time employees at any one time in the previous calendar year. (Note: Some state safety and health laws may require these employers to keep OSHA records.)

**Restriction of work or motion** - Occurs when the employee, because of the result of a job-related injury or illness, is physically or mentally unable to perform all or any part of his or her normal assignment during all or any part of the workday or shift.

**Supplementary Record (OSHA No. 301)** - The form (or equivalent) on which additional information is recorded for each injury and illness entered on the log.

**Usable Units** - Those units for which all reported data have been manually and mechanically screened and found acceptable.

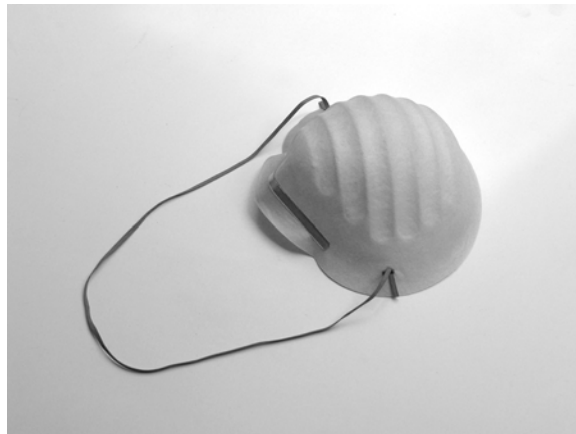
**Volunteers** - Workers who are not considered to be employees under the act when they serve of their own free will without compensation.

**Work environment** - Consists of the employer's premises and other locations where employees are engaged in work-related activities or are present as a condition of their employment. The work environment includes not only physical locations, but also the equipment or materials used by the employee during the course of his or her work.

# Appendix E

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## Scope and Methodology of Survey



# Scope

The Survey of Occupational Injuries and Illnesses provides annual estimates of the frequency (incidence rates) and number of occupational injuries and illnesses based on logs kept by private industry employers. These logs reflect the year's injury and illness incidents and the employers understanding of which cases were work related, under current record-keeping guidelines provided by the U.S. Department of Labor. The number of injuries and illnesses reported in any given year may be influenced by changes in the level of economic activity, working conditions and work practices, number of hours worked, and worker experience and training.

The survey includes the following industry sectors: Agriculture, Forestry, Fishing and Hunting, NAICS 11; Mining, NAICS 21; Utilities, NAICS 22; Construction, NAICS 23; Manufacturing, NAICS 31-33; Wholesale Trade, NAICS 42; Retail Trade, NAICS 44-45; Transportation and Warehousing, NAICS 48-49; Information, NAICS 51; Finance and Insurance, NAICS 52; Real Estate and Renting and Leasing, NAICS 53; Professional, Scientific, and Technical Services, NAICS 54; Management of Companies and Enterprises, NAICS 55; Administrative and Support and Waste Management and Remediation Services, NAICS 56; Educational Services, NAICS 61; Health Care and Social Assistance, NAICS 62; Arts, Entertainment, and Recreation, NAICS 71; Accommodations and Food Service, NAICS 72; and Other Services (except Public Administration) NAICS 81. Excluded from the survey are self-employed individuals; farms with fewer than 11 employees; employers regulated by other federal safety and health laws, and federal, state and local government agencies.

Data conforming to definitions of recordable occupational injuries and illnesses for coal, metal and nonmetal mining, and railroad transportation are provided by the Mine Safety and Health Administration, Department of Labor, and the Federal Railroad Administration, Department of Transportation.

The Occupational Safety and Health Administration is responsible for the collection and compilation of comparable data for federal agencies. State and local government agencies are not surveyed for national estimates. Several states have legislation that enables them to collect data for this sector; Montana is not one of these states.

The 2004 survey sample in Montana was composed of approximately 3,500 sample units. Original and follow-up mailings resulted in a response rate of 95 percent. From the selected establishments, approximately 5,900 injuries and illnesses with days away from work were used in order to obtain demographic and detailed case characteristic information.

## Sample

A two-stage sample selection process generates the survey estimates. The first stage involves selecting establishments. The second stage involves selecting the sample of cases involving days away from work, which is derived from the sample establishments.

Because the survey is a federal-state cooperative program and the data must meet the needs of participating state agencies, an independent sample is selected for each state. The sample is selected to represent all private industries in the state. The sample size for the survey is dependent upon (1) the characteristics for which estimates are needed, (2) the industries for which estimates are desired, (3) the characteristics of the population being sampled, (4) the target reliability of the estimates, and (5) the survey design employed.

For the establishment selection process, the total number of lost workdays is used as the base for the sample design. The sample design is based on lost workday cases because it is considered the most important characteristic of the sample.

The important features of the sample design are its use of stratified random sampling with a Neyman allocation and a ratio estimator. The characteristics used to stratify the establishments are the North American Industry Classification System code and employment. Because these characteristics are highly correlated with an establishment's number and rate of reported injuries and illnesses, stratified sampling provides greater precision and, thus, results in a smaller sample size than simple random sampling. The Neyman allocation produces the minimum sample size which will provide an estimate with a fixed sampling variance. For the largest employment size classes, the allocation procedure places all of the establishments of the frame in the sample; as employment decreases, smaller and smaller proportions of establishments are included in the sample. The certainty strata are usually the size groups with 1,000 employees or more. The precision of the sample is further improved, permitting reduction in sample size by using the ratio estimator, which in turn uses employment data that are correlated with the characteristics that are to be measured.

The sample of cases involving days away from work is derived from the sampled establishments. For each sample unit, an expected number of cases involving days away from work is calculated based on the industry and employment size in which that establishment resides. If the expected number of cases is greater than 20, the establishment is requested to provide demographically detailed case characteristics information, and the number of workdays missed for cases occurring at specified time intervals (for example, certain days of the month, only certain months). For those establishments with an expected case load less than or equal to 20, the employer is requested to provide case information for all cases involving days away from work occurring in the survey year. Either way, employers are permitted to attach supplementary forms that answer questions about individual days-away-from-work cases.

### **Estimating procedures**

*Sample unit weighting.* By means of a weighting procedure, sample units represent all units in their size class for a particular industry. The weight is determined by the inverse of the sampling ratio for the industry employment-size class from which the unit was selected. Because a small proportion of survey forms were not returned, weights of responding employers in a sampling cell are adjusted to account for the nonrespondents. The respondents are then shifted into the estimating cell determined by the employment reported. Data for each unit are multiplied by the appropriate weight and nonresponse adjustment factor. The products are then aggregated to obtain a total for the estimating cell.

*Industry Benchmarking.* Because the universe file that provides the sample frame is not current to the reference year of the survey, it is necessary to adjust the data to reflect current employment levels. In the survey, all estimates of totals are adjusted by the benchmark factor at the estimating cell level. The benchmarking procedure requires a source of accurate employment data that can be converted into an annual average employment figure for the cell level in which separate estimates are desired. Because industry/employment size data are required for national estimates, benchmark factors are calculated using both industry level employment data and size class level employment data. The benchmark factors are applied to the size class estimates.

*Weighting cases involving days away from work.* Each case involving days away from work is weighted by the sample unit weight with which it is associated and the industry benchmark factor in which the associated sample unit resides. In addition, each case is weighted to adjust for case subsampling and case nonresponse for those establishments which did not provide information on all cases with days away from work which occurred in their establishment in the survey year.

## **Federal-state cooperation**

To eliminate duplicate reporting by respondents and to ensure maximum comparability of estimates, survey respondents complete one reporting form, which is then used for national and state estimates.

## **Industrial classification**

Reporting units are classified into industries by their principal product or activities in which they are primarily engaged, based on the 2002 revised edition of the North American Industry Classification System (NAICS). The data are tabulated according to this NAICS scheme.

## **Reliability of estimates**

The survey estimates of occupational injuries and illnesses are based on a scientifically selected probability sample, rather than a census of the entire population. These sample-based estimates may differ from the results obtained from a census of the population. The sample used was one of many possible samples, each of which could have produced different estimates. The variation in the sample estimates across all possible samples that could have been drawn is measured by the relative standard error. The relative standard error is used to calculate a “confidence interval” around a sample estimate.

The 95-percent confidence interval is the interval centered at the sample estimate and includes all values within two times the estimate’s standard error. If several different samples were selected to estimate the population value (for example, injury and illness incidence rates), the 95-percent confidence interval would include the true population value approximately 95 percent of the time.

The relative standard errors for the rate of injuries and illnesses are calculated for national estimates only. They are not available at the state level.

## **Nonsampling error**

Although not measured, nonsampling error will always occur when statistics are gathered. The inability to obtain information about all cases in the sample, mistakes in recording or coding the data, and definitional difficulties are general examples of nonsampling error in the survey. The Bureau of Labor Statistics has implemented quality assurance procedures to reduce nonsampling error in the survey, including a rigorous training program for state coders, mechanical edits that identify questionable entries, and a continuing effort to encourage survey participants to respond fully and accurately to all survey elements.

## **Recent survey modifications**

Beginning with the 1995 survey, modifications were made in the methodology used to adjust for survey nonresponse and data outliers and to benchmark the survey results. These changes were found to have minimal impact on the survey estimates.

## **Publication guidelines**

The estimating procedure generates occupational injury and illness estimates for many hundreds of NAICS codes. This publication, however, excludes estimates for industry codes if one of the following situations occurred:

- The industry had fewer than six employees or the industry estimates were based on reports from fewer than three companies. In addition, if three or more companies reported data from the industry, one firm could not employ more than 60 percent of the workers.
- Annual average employment for the industry in 2003 was less than 10,000. However, data for an industry with an annual average employment of less than 10,000 were published if the majority of the employment was reported in the survey.
- The relative standard error on total lost workday cases for the industry exceeds a specified limit.
- The benchmark factor for the industry was less than 0.90 or greater than 1.49.
- The publication might disclose confidential information.

Data for an unpublished industry are included in the total for the broader industry level of which it is a part. Also, selected items of data are suppressed for publishable industries if the sampling error for the estimate exceeds a specified limit, typically 60 percent at the national level.

For the case characteristics and demographic data, items of data were suppressed at a national level if one of the following situations occurred:

- The number of cases was less than five.
- The number of cases was greater than five and less than or equal to 20 and the sampling error for the estimate was unusually high, typically exceeding 60 percent.
- The number of cases was greater than 20 and the sampling error was unusually high, typically exceeding 40 percent.

## **How to compute incidence rates for your establishment**



For employers, the case rate figures presented in this publication are more meaningful when viewed against their own firm experience. A comparison can be made between a single firm and the industry to which the firm belongs. For example, an employer engaged in the manufacture of metal stampings (NAICS 332116) can see his company compared with other manufacturers in Montana by calculating his total case rate and comparing it to the figures in this document. Similarly, a general contractor of residential construction (NAICS 236115) can relate the company's time loss case experience to other construction firms in Montana. By consulting the national data book, these employers can compare their experience with more detailed industry data at the national level.

### **Instructions for computing incidence rates for an individual establishment**

Incidence rates for an individual establishment or firm may be calculated by using the same formula that is used to calculate industry wide rates from the annual Occupational Injury and Illness Survey. The formula requires: (a) the number of injuries and illnesses; and (b) the total number of hours actually worked by all employees during the reference period. The reference period is usually the calendar year.

The formula for computing the incidence rate is as follows:

$$(N/EH) * 200,000, \text{ where}$$

N = number of injuries and or illnesses or lost workdays

EH = total hours worked by all employees during calendar year, and

200,000 = base for 100 full-time equivalent workers working 40 hours per week, 50 weeks per year).

An employer may compute the incidence rate for injuries only, illnesses only, lost work cases and nonfatal cases without lost workdays. Simply replace the number of injuries and illnesses in the numerator with the measure with which the rate is being computed.

Additional questions regarding case rates, their calculation, or use may be answered by contacting the Research and Analysis Bureau, Occupational Safety and Health Statistics Program, Montana Department of Labor and Industry at (800) 541-3904.