|   |                                    |                              |                              | Perce                        | ent of indu                 | stry case to  | otal involvii                | ng —                        |  |
|---|------------------------------------|------------------------------|------------------------------|------------------------------|-----------------------------|---|------------------------------|-----------------------------|--|
|   |                                    |                              |                              | Contact w                    | vith objects                |   |                              |                             |  |
| Industry <sup>3</sup>   | NAICS<br>code <sup>4</sup>         | Total<br>cases               | Total                        | Struck<br>by<br>object       | Struck<br>against<br>object | Caught<br>in or<br>com-<br>pressed<br>or<br>crushed | Fall<br>to<br>lower<br>level | Fall<br>on<br>same<br>level | Slips<br>or<br>trips<br>without<br>fall <sup>5</sup> |
| Private industry <sup>7,8</sup>   |                                    | 1,158,870                    | 27.4                         | 14.1                         | 6.5                         | 4.7   | 6.7                          | 14.4                        | 3.3  |
| Goods producing <sup>7</sup>  |                                    | 349,450                      | 36.8                         | 18.2                         | 7.5                         | 8.1   | 8.4                          | 9.7                         | 2.7  |
| Natural resources and mining <sup>7,8</sup>   |                                    | 26,900                       | 39.4                         | 20.1                         | 7.5                         | 8.7   | 8.4                          | 10.0                        | 3.7  |
| Agriculture, forestry, fishing and hunting $^7$   | 11                                 | 16,980                       | 35.6                         | 17.9                         | 7.7                         | 5.8   | 9.5                          | 10.1                        | 4.1  |
| Crop production <sup>7</sup>  | 111                                | 6,430                        | 35.5                         | 17.9                         | 6.5                         | 5.9   | 10.4                         | 10.4                        | 4.0  |
| Oilseed and grain farming <sup>7</sup><br>Vegetable and melon farming <sup>7</sup><br>Fruit and tree nut farming <sup>7</sup> | 1111<br>1112<br>1113               | 70<br>1,130<br>2,070         | 28.6<br>37.2<br>30.4         | <br>21.2<br>13.5             | -<br>3.5<br>8.7             | 9.7<br>2.4  | -<br>8.0<br>19.3             | -<br>4.4<br>5.8             | -<br>-<br>5.3  |
| Greenhouse, nursery, and floriculture production <sup>7</sup>   | 1114                               | 2,340                        | 34.6                         | 17.5                         | 7.3                         | 6.8   | 6.0                          | 15.0                        | 4.7  |
| Other crop farming <sup>7</sup><br>Animal production <sup>7</sup><br>Cattle ranching and farming <sup>7</sup>                 | 1119<br>112<br>1121                | 820<br>3,990<br>2,680        | 48.8<br>33.8<br>34.3         | 25.6<br>17.3<br>18.3         | 2.4<br>6.5<br>6.3           | 6.1<br>6.5<br>5.6                                   | 3.7<br>7.5<br>7.5            | 18.3<br>9.5<br>10.1         | 3.7<br>4.5<br>5.2                                    |
| Beef cattle ranching and farming, including feedlots <sup>7</sup><br>Dairy cattle and milk production <sup>7</sup>            | 11211<br>11212                     | 850<br>1,830                 | 30.6<br>36.1                 | 17.6<br>19.1                 | 3.5<br>7.7                  | 7.1<br>4.9  | 15.3<br>3.8                  | 9.4<br>10.4                 | 5.9<br>4.9   |
| Hog and pig farming <sup>7</sup><br>Poultry and egg production <sup>7</sup><br>Other animal production <sup>7</sup>           | 1122<br>1123<br>1129               | 420<br>550<br>290            | 33.3<br>40.0<br>17.2         | 19.0<br>12.7<br>6.9          | 7.1<br>5.5<br>6.9           | _<br>18.2<br>_                                      | 9.5<br>7.3<br>–              | 7.1<br>10.9<br>6.9          | -  |
| Forestry and logging<br>Forest nurseries and gathering of forest products<br>Logging  | 113<br>1132<br>1133                | 1,410<br>60<br>1,340         | 43.3<br>50.0<br>43.3         | 29.8<br>50.0<br>29.1         | 5.7<br>-<br>6.0             | 2.8<br>-<br>3.0                                     | 5.7<br>-<br>6.0              | 18.4<br>_<br>19.4           | 3.5<br>-<br>3.7                                      |
| Fishing, hunting and trapping<br>Fishing  | 114<br>1141                        | 50<br>20                     | -                            | -                            | -                           |   | -<br>-                       | -<br>-                      | -  |
| Hunting and trapping<br>Support activities for agriculture and forestry<br>Support activities for crop production             | 1142<br>115<br>1151                | 30<br>5,100<br>4,210         | -<br>35.1<br>33.7            | -<br>15.3<br>14.7            | -<br>10.8<br>9.5            | -<br>5.9<br>6.4                                     | _<br>11.0<br>11.4            | -<br>7.6<br>7.6             | -<br>4.1<br>4.5                                      |
| Support activities for crop production<br>Cotton ginning<br>Soil preparation, planting, and cultivating                       | 11511<br>115111<br>115112          | 4,210<br>160<br>320          | 33.7<br>56.2<br>15.6         | 14.7<br>12.5<br>9.4          | 9.5<br>-<br>-               | 6.4<br>37.5<br>-                                    | 11.4<br>12.5<br>—            | 7.6<br>12.5<br>—            | 4.5<br>-<br>-  |
| Crop harvesting, primarily by machine<br>Postharvest crop activities (except cotton   | 115113                             | 100                          | 50.0                         | 40.0                         | -                           | -   | 20.0                         | -                           | -  |
| ginning)<br>Farm labor contractors and crew leaders<br>Farm management services<br>Support activities for animal production   | 115114<br>115115<br>115116<br>1152 | 1,570<br>1,780<br>280<br>510 | 34.4<br>34.8<br>28.6<br>31.4 | 17.2<br>12.9<br>14.3<br>15.7 | 8.3<br>12.4<br>7.1<br>5.9   | 7.6<br>4.5<br>-<br>5.9                              | 13.4<br>11.2<br>7.1<br>9.8   | 7.0<br>8.4<br>10.7<br>5.9   | 4.5<br>5.6<br>7.1                                    |
| Support activities for forestry   | 1153                               | 380                          | 52.6                         | 21.1                         | 31.6                        | -   | 5.3                          | 10.5                        | 5.3  |

|  |                      |                    |                           |   | Percent of         | f industry ca       | ase total in           | volving —           | -                        |                          |                          |                                       |
|--|----------------------|--------------------|---------------------------|---|--------------------|---------------------|------------------------|---------------------|--------------------------|--------------------------|--------------------------|---------------------------------------|
|  | Overe                | exertion           |                           | Expo-<br>sure                                       |                    | ortation            |                        | A                   | ssaults and              | d violent ad             | cts                      | -                                     |
|  |                      |                    |                           | to  | acci               |                     | Fires                  |                     |                          | All other                | assaults                 |                                       |
| Industry <sup>3</sup>  | Total                | In lifting         | Repeti-<br>tive<br>motion | harmful<br>sub-<br>stance<br>or<br>environ-<br>ment | Total              | Highway<br>accident | and<br>explo-<br>sions | Total               | Assaults<br>by<br>person | All<br>other<br>assaults | Assaults<br>by<br>animal | All<br>other<br>events <sup>5,6</sup> |
| Private industry <sup>7,8</sup>  | 22.9                 | 12.1               | 3.2                       | 4.6   | 4.6                | 2.9                 | 0.2                    | 2.1                 | 1.5                      | 0.6                      | 0.6                      | 10.8                                  |
| Goods producing <sup>7</sup>   | 19.1                 | 9.9                | 4.2                       | 4.6   | 3.0                | 1.6                 | .3                     | .5                  | .2                       | .3                       | .3                       | 10.6                                  |
| Natural resources and mining <sup>7,8</sup>  | 14.3                 | 5.8                | 1.0                       | 4.2   | 5.4                | 2.8                 | .4                     | 3.2                 | .4                       | 2.8                      | 2.8                      | 9.9                                   |
| Agriculture, forestry, fishing and hunting $^7$  | 11.2                 | 5.5                | 1.2                       | 4.2   | 6.5                | 2.8                 | .3                     | 5.0                 | .6                       | 4.4                      | 4.4                      | 12.4                                  |
| Crop production <sup>7</sup><br>Oilseed and grain farming <sup>7</sup>   | 12.9                 | 6.5                | 1.6                       | 5.0   | 5.8                | 2.5                 | .5                     | .6                  | -                        | .5                       | 5                        | 13.2                                  |
| Vegetable and melon farming <sup>7</sup><br>Fruit and tree nut farming <sup>7</sup><br>Greenhouse, nursery, and floriculture | 10.6<br>11.6         | 5.3<br>3.9         | 1.8<br>1.4                | 10.6<br>3.4   | 8.0<br>3.9         | 4.4<br>_            | -                      |                     |                          |                          |                          | 15.9<br>19.3                          |
| production <sup>7</sup><br>Other crop farming <sup>7</sup><br>Animal production <sup>7</sup>                                 | 17.9<br>6.1<br>9.3   | 11.1<br>2.4<br>3.8 | 2.1<br>-<br>1.3           | 4.3<br>2.4<br>3.3                                   | 5.6<br>11.0<br>5.8 | 1.7<br>8.5<br>2.3   | -<br>-<br>-            | -<br>-<br>16.0      | -<br>-<br>1.8            | -<br>-<br>14.3           | -<br>-<br>14.3           | 9.4<br>4.9<br>9.3                     |
| Cattle ranching and farming <sup>7</sup><br>Beef cattle ranching and farming, including                                      | 5.6                  | 1.9                | -                         | 3.0   | 5.6                | 1.9                 | -                      | 20.9                | 1.9                      | 18.7                     | 18.7                     | 7.5                                   |
| feedlots <sup>7</sup><br>Dairy cattle and milk production <sup>7</sup><br>Hog and pig farming <sup>7</sup>                   | 8.2<br>4.4<br>14.3   | 2.7<br>7.1         |                           | 2.4<br>3.3<br>4.8                                   | 5.9<br>5.5<br>4.8  | <br>2.7<br>4.8      | -                      | 9.4<br>26.2<br>11.9 | 2.7                      | 8.2<br>23.5<br>9.5       | 8.2<br>23.5<br>9.5       | 11.8<br>5.5<br>11.9                   |
| Poultry and egg production <sup>7</sup><br>Other animal production <sup>7</sup>  | 10.9<br>27.6         | 3.6<br>10.3        |                           | 5.5<br>-  | 10.9               | 3.6                 | -                      | _<br>10.3           |                          | _<br>6.9                 | _<br>6.9                 | 9.1<br>24.1                           |
| Forestry and logging<br>Forest nurseries and gathering of forest products<br>Logging   | 8.5<br>33.3<br>7.5   | 2.8<br>-<br>2.2    |                           |   | 7.8<br>-<br>8.2    | 7.1<br>-<br>7.5     |                        | 1.4<br>-<br>1.5     | 1.4<br>-<br>1.5          |                          | -<br>-<br>-              | 9.9<br>-<br>10.4                      |
| Fishing, hunting and trapping<br>Fishing<br>Hunting and trapping   |                      | _<br>_<br>_        | -                         |   | -                  |                     |                        | -                   |                          | -                        |                          | -                                     |
| Support activities for agriculture and forestry<br>Support activities for crop production                                    | 11.4<br>11.9         | 6.3<br>6.7         | .8<br>.7                  | 4.7<br>5.5  | 7.5<br>8.6         | 2.4<br>2.4          | -                      | 3.1<br>.5           |                          | 2.9<br>.5                | 2.9<br>.5                | 14.3<br>15.4                          |
| Support activities for crop production<br>Cotton ginning<br>Soil preparation, planting, and cultivating                      | 11.9<br>_<br>_       | 6.7<br>-<br>-      | .7<br>_<br>_              | 5.5<br>-<br>34.4                                    | 8.6<br>-<br>31.2   | 2.4<br>-<br>18.8    |                        | .5<br>_<br>_        |                          | .5<br>                   | .5<br>_<br>_             | 15.4<br>12.5<br>6.2                   |
| Crop harvesting, primarily by machine<br>Postharvest crop activities (except cotton  | -                    | _                  | _                         | - 34.4  | -                  | -                   | -                      | _                   | -                        | _                        | -                        | - 0.2                                 |
| ginning)<br>Farm labor contractors and crew leaders<br>Farm management services  | 14.6<br>11.8<br>10.7 | 8.9<br>6.2         |                           | 3.2<br>3.4  | 5.7<br>8.4         | _<br>1.7            |                        |                     |                          |                          |                          | 15.3<br>15.7<br>28.6                  |
| Support activities for animal production<br>Support activities for forestry  | 11.8<br>7.9          | 5.9<br>–           | -                         |   | _<br>_<br>5.3      | -                   | -                      | 25.5<br>–           |                          | 25.5<br>–                | 25.5<br>–                | 9.8<br>7.9                            |

|  |   |  |  | Perce  | ent of indu                               | stry case to   | otal involvi                           | ng —   |  |
|--|---|--|--|--|---|--|--|--|--|
|  |   |  |  | Contact w  | vith objects                              | ;  |  |  |  |
| Industry <sup>3</sup>  | NAICS<br>code <sup>4</sup>                            | Total<br>cases                                     | Total  | Struck<br>by<br>object                               | Struck<br>against<br>object               | Caught<br>in or<br>com-<br>pressed<br>or<br>crushed  | Fall<br>to<br>lower<br>level           | Fall<br>on<br>same<br>level                          | Slips<br>or<br>trips<br>without<br>fall <sup>5</sup> |
| Mining <sup>5,8</sup>  | 21  | 9,920  | 45.7   | 23.9   | 7.3                                       | 13.7   | 6.7                                    | 10.0   | 3.0  |
| Oil and gas extraction<br>Oil and gas extraction<br>Oil and gas extraction<br>Crude petroleum and natural gas extraction<br>Mining (except oil and gas) <sup>5,9</sup><br>Coal mining <sup>5,9</sup><br>Coal mining <sup>5,9</sup> | 211<br>2111<br>21111<br>211111<br>212<br>2121<br>2121 | 1,400<br>1,400<br>1,380<br>4,660<br>2,730<br>2,730 | 45.0<br>45.0<br>45.7<br>45.1<br>49.1<br>49.1 | 17.9<br>17.9<br>17.9<br>18.1<br>22.3<br>25.6<br>25.6 | 5.7<br>5.7<br>5.8<br>12.0<br>12.5<br>12.5 | 21.4<br>21.4<br>21.4<br>21.7<br>10.1<br>10.3<br>10.3 | 5.7<br>5.7<br>5.8<br>7.3<br>5.5<br>5.5 | 10.7<br>10.7<br>10.7<br>10.9<br>11.2<br>11.0<br>11.0 | 17.9<br>17.9<br>17.9<br>18.1<br>-<br>-<br>-          |
| Bituminous coal and lignite surface<br>mining <sup>5,9</sup><br>Bituminous coal underground mining <sup>5,9</sup><br>Anthracite mining <sup>5,9</sup><br>Metal ore mining <sup>5,9</sup>   | 212111<br>212112<br>212113<br>2122                    | 590<br>2,110<br>40<br>410                          | 42.4<br>51.2<br>-<br>39.0                    | 13.6<br>28.9<br>-<br>14.6                            | 20.3<br>10.4<br>-<br>14.6                 | 8.5<br>10.9<br>-<br>9.8                              | 15.3<br>2.4<br>-<br>9.8                | 11.9<br>10.4<br>-<br>12.2                            | -<br>-<br>-<br>-                                     |
| Iron ore mining <sup>5,9</sup><br>Gold ore and silver ore mining <sup>5,9</sup><br>Gold ore mining <sup>5,9</sup><br>Copper, nickel, lead, and zinc mining <sup>5,9</sup><br>Lead ore and zinc ore mining <sup>5,9</sup>           | 21221<br>21222<br>212221<br>21223<br>21223            | 50<br>100<br>90<br>210<br>40                       | -<br>40.0<br>33.3<br>38.1<br>-               | -<br>-<br>14.3                                       | <br><br>19.0                              | -<br>-<br>9.5  | -<br>-<br>9.5                          | -<br>-<br>14.3                                       | -<br>-<br>-<br>-                                     |
| Copper ore and nickel ore mining <sup>5,9</sup><br>Other metal ore mining <sup>5,9</sup><br>All other metal ore mining <sup>5,9</sup><br>Nonmetallic mineral mining and quarrying <sup>5,9</sup>                                   | 212234<br>21229<br>212299<br>2123                     | 170<br>60<br>60<br>1,510                           | 41.2<br>33.3<br>33.3<br>40.4                 | 11.8<br>-<br>-<br>18.5                               | 23.5<br>-<br>-<br>10.6                    | -<br>-<br>-<br>10.6                                  | 11.8<br>-<br>-<br>9.9                  | 11.8<br>-<br>-<br>11.3                               | -<br>-<br>-<br>-                                     |
| Stone mining and quarrying <sup>5,9</sup><br>Dimension stone mining and quarrying <sup>5,9</sup><br>Crushed and broken limestone mining and<br>quarrying <sup>5,9</sup>  | 21231<br>212311<br>212312                             | 800<br>170<br>400                                  | 41.2<br>47.1<br>37.5                         | 18.8<br>23.5<br>17.5                                 | 10.0<br>-<br>12.5                         | 11.2<br>11.8<br>7.5                                  | 10.0<br>-<br>12.5                      | 10.0<br>-<br>12.5                                    |  |
| Crushed and broken granite mining and<br>quarrying <sup>5,9</sup><br>Other crushed and broken stone mining<br>and quarrying <sup>5,9</sup>   | 212313<br>212319                                      | 70<br>170  | 42.9<br>41.2                                 | - 17.6   | - 11.8                                    | - 11.8   | - 11.8                                 | - 11.8   | -  |
| Sand, gravel, clay, and ceramic and refractory<br>minerals mining and quarrying <sup>5,9</sup><br>Construction sand and gravel mining <sup>5,9</sup><br>Kaolin and ball clay mining <sup>5,9</sup>                                 | 21232<br>212321<br>212324                             | 510<br>420<br>50                                   | 41.2<br>40.5<br>40.0                         | 19.6<br>19.0<br>–                                    | 9.8<br>9.5<br>-                           | 9.8<br>9.5<br>-                                      | 11.8<br>9.5<br>-                       | 11.8<br>11.9<br>-                                    | -<br>-<br>-  |
| Clay and ceramic and refractory minerals<br>mining <sup>5,9</sup><br>Other nonmetallic mineral mining and<br>quarrying <sup>5,9</sup><br>Potash, soda, and borate mineral mining <sup>5,9</sup>                                    | 212325<br>21239<br>212391                             | 50<br>200<br>80                                    | 40.0<br>35.0<br>37.5                         | -<br>15.0<br>25.0                                    | -<br>15.0<br>-                            | -<br>10.0<br>-                                       | -<br>10.0<br>-                         | -<br>10.0<br>-                                       | -<br>-<br>-  |

|  |       |            |                           |   | Percent of | f industry ca       | ase total ir           | volving – | _                        |                          |                          |                                       |
|--|-------|------------|---------------------------|---|------------|---------------------|------------------------|-----------|--------------------------|--------------------------|--------------------------|---------------------------------------|
|  | Overe | exertion   |                           | Expo-<br>sure                                       |            | ortation            |                        | A         | ssaults and              | d violent a              | cts                      |                                       |
|  |       |            |                           | to  | acci       |                     | Fires                  |           |                          | All other                | assaults                 |                                       |
| Industry <sup>3</sup>  | Total | In lifting | Repeti-<br>tive<br>motion | harmful<br>sub-<br>stance<br>or<br>environ-<br>ment | Total      | Highway<br>accident | and<br>explo-<br>sions | Total     | Assaults<br>by<br>person | All<br>other<br>assaults | Assaults<br>by<br>animal | All<br>other<br>events <sup>5,6</sup> |
| Mining <sup>5,8</sup>  | 19.7  | 6.4        | 0.8                       | 4.1   | 3.6        | 2.7                 | 0.8                    | _         | _                        | _                        | _                        | 5.5                                   |
| Oil and gas extraction   | 7.1   | 2.9        | _                         | 2.1   | 2.1        | _                   | 3.6                    | _         | _                        | _                        | _                        | 3.6                                   |
| Oil and gas extraction   | 7.1   | 2.9        | _                         | 2.1   | 2.1        | _                   | 3.6                    | -         | _                        | _                        | _                        | 3.6                                   |
| Oil and gas extraction   | 7.1   | 2.9        | -                         | 2.1   | 2.1        | _                   | 3.6                    | -         | _                        | -                        | _                        | 3.6                                   |
| Crude petroleum and natural gas extraction   | 7.2   | 2.9        | _                         | 2.2   | 2.2        | _                   | 3.6                    | -         | _                        | _                        | _                        | 3.6                                   |
| Mining (except oil and gas) <sup>5,9</sup>   | 29.8  | 8.8        | .6                        | 3.2   | .6         | _                   | _                      | -         | _                        | -                        | -                        | 2.1                                   |
| Coal mining <sup>5,9</sup>   | 28.6  | 8.1        | -                         | 2.2   | .7         | _                   | -                      | -         | _                        | -                        | -                        | 2.6                                   |
| Coal mining <sup>5,9</sup>   | 28.6  | 8.1        | -                         | 2.2   | .7         | _                   | -                      | -         | _                        | -                        | -                        | 2.6                                   |
| Bituminous coal and lignite surface  |       |            |                           |   |            |                     |                        |           |                          |                          |                          |                                       |
| mining <sup>5,9</sup>  | 23.7  | 3.4        | -                         | 3.4   | -          | -                   | -                      | -         | -                        | -                        | -                        | 3.4                                   |
| Bituminous coal underground mining <sup>5,9</sup>  | 29.4  | 9.5        | -                         | 2.4   | .9         | -                   | -                      | -         | -                        | -                        | -                        | 2.4                                   |
| Anthracite mining <sup>5,9</sup>   | 50.0  | -          | -                         | -   | -          | -                   | -                      | -         | -                        | -                        | -                        | -                                     |
| Metal ore mining <sup>5,9</sup>  | 34.1  | 9.8        | -                         | 4.9   | -          | -                   | -                      | -         | -                        | -                        | -                        | -                                     |
| Metal ore mining <sup>5,9</sup><br>Iron ore mining <sup>5,9</sup>                              | 40.0  | -          | -                         | -   | -          | -                   | -                      | -         | -                        | -                        | -                        | -                                     |
| Gold ore and silver ore mining <sup>5,9</sup>  | 30.0  | -          | -                         | -   | -          | -                   | -                      | -         | -                        | -                        | -                        | -                                     |
| Gold ore mining <sup>5,9</sup>   | 33.3  | -          | -                         | -   | -          | -                   | -                      | -         | -                        | -                        | -                        | -                                     |
| Copper, nickel, lead, and zinc mining <sup>5,9</sup>   | 33.3  | 9.5        | -                         | -   | -          | -                   | -                      | -         | -                        | -                        | -                        | -                                     |
| Lead ore and zinc ore mining <sup>5,9</sup>  | 50.0  | -          | -                         | -   | -          | -                   | -                      | -         | -                        | -                        | -                        | -                                     |
| Copper ore and nickel ore mining <sup>5,9</sup>  | 29.4  | -          | -                         | -   | -          | -                   | -                      | -         | -                        | -                        | -                        | -                                     |
| Other metal ore mining <sup>5,9</sup>  | 33.3  | -          | -                         | -   | -          | -                   | -                      | -         | -                        | -                        | -                        | -                                     |
| All other metal ore mining <sup>5,9</sup>  | 33.3  | -          | -                         | -   | -          | -                   | -                      | -         | -                        | -                        | -                        | -                                     |
| Nonmetallic mineral mining and quarrying <sup>5,9</sup>  | 31.1  | 9.9        | -                         | 4.6   | -          | -                   | -                      | -         | -                        | -                        | -                        | 2.0                                   |
| Stone mining and quarrying <sup>5,9</sup>  | 32.5  | 10.0       | -                         | 3.8   | -          | -                   | -                      | -         | -                        | -                        | -                        | 2.5                                   |
| Dimension stone mining and quarrying <sup>5,9</sup><br>Crushed and broken limestone mining and | 41.2  | 23.5       | -                         | -   | -          | -                   | -                      | -         | -                        | -                        | -                        | -                                     |
| quarrying <sup>5,9</sup><br>Crushed and broken granite mining and                              | 30.0  | 7.5        | -                         | 5.0   | -          | -                   | -                      | -         | -                        | -                        | -                        | -                                     |
| quarrying <sup>5,9</sup><br>Other crushed and broken stone mining                              | 28.6  | -          | -                         | -   | -          | -                   | -                      | -         | -                        | -                        | -                        | -                                     |
| and quarrying <sup>5,9</sup>   | 29.4  | -          | -                         | -   | -          | -                   | -                      | -         | -                        | -                        | -                        | -                                     |
| minerals mining and quarrying <sup>5,9</sup>   | 29.4  | 9.8        | _                         | 5.9   | _          | _                   | _                      | _         | _                        | _                        | _                        | _                                     |
| Construction sand and gravel mining <sup>5,9</sup>   | 31.0  | 9.5        | _                         | 4.8   | _          | _                   | _                      | _         | _                        | _                        | _                        | _                                     |
| Kaolin and ball clay mining <sup>5,9</sup>   | -     | -          | _                         | -   | _          | _                   | _                      | _         | _                        | _                        | _                        | _                                     |
| Clay and ceramic and refractory minerals mining <sup>5,9</sup>                                 | _     | _          | _                         | _   | _          | _                   | _                      | _         | _                        | _                        | _                        | _                                     |
| Other nonmetallic mineral mining and   |       |            |                           |   |            |                     |                        |           |                          |                          |                          |                                       |
| guarrying <sup>5,9</sup>   | 30.0  | 10.0       | _                         | _   | _          | _                   | _                      | _         | _                        | _                        | _                        | _                                     |
|  |       | -          | _                         | _   | _          | _                   | _                      | _         | _                        | _                        | _                        | _                                     |
| Potash, soda, and borate mineral mining <sup>5,9</sup>   | 25.0  |            | -                         | -   | -          | -                   | _                      | -         | -                        | -                        | -                        | -                                     |

|   |                            |                |       | Perce                  | ent of indu                 | stry case to  | otal involvi                 | ng —                        |  |
|---|----------------------------|----------------|-------|------------------------|-----------------------------|---|------------------------------|-----------------------------|--|
|   |                            |                |       | Contact w              | vith objects                |   |                              |                             |  |
| Industry <sup>3</sup>                               | NAICS<br>code <sup>4</sup> | Total<br>cases | Total | Struck<br>by<br>object | Struck<br>against<br>object | Caught<br>in or<br>com-<br>pressed<br>or<br>crushed | Fall<br>to<br>lower<br>level | Fall<br>on<br>same<br>level | Slips<br>or<br>trips<br>without<br>fall <sup>5</sup> |
| Other chemical and fertilizer mineral               |                            |                |       |                        |                             |   |                              |                             |  |
| mining <sup>5,9</sup>                               | 212393                     | 60             | 33.3  | _                      | _                           | _   | _                            | _                           | _  |
| All other nonmetallic mineral mining <sup>5,9</sup> | 212399                     | 40             | 50.0  | _                      | _                           | _   | _                            | _                           | _  |
| Support activities for mining                       | 212000                     | 3.860          | 46.6  | 28.0                   | 2.3                         | 15.5  | 6.5                          | 8.3                         | 1.3  |
| Support activities for mining                       | 2131                       | 3,860          | 46.6  | 28.0                   | 2.3                         | 15.5  | 6.5                          | 8.3                         | 1.3  |
| Support activities for mining                       | 21311                      | 3,860          | 46.6  | 28.0                   | 2.3                         | 15.5  | 6.5                          | 8.3                         | 1.3  |
| Drilling oil and gas wells                          | 213111                     | 1,510          | 58.3  | 32.5                   | 3.3                         | 21.2  | 5.3                          | 9.3                         | 1.3  |
|   | 213111                     |                | 39.0  | 24.6                   | 1.7                         | 11.9  | 7.2                          | 9.3<br>7.2                  | 1.3  |
| Support activities for oil and gas operations       | 213112                     | 2,360          | 39.0  | 24.0                   | 1.7                         | 11.9  | 1.2                          | 1.2                         | 1.5  |
| Construction  |                            | 135,350        | 35.4  | 19.9                   | 7.9                         | 4.3   | 14.7                         | 9.3                         | 2.8  |
| Construction  | 23                         | 135,350        | 35.4  | 19.9                   | 7.9                         | 4.3   | 14.7                         | 9.3                         | 2.8  |
| Construction of buildings                           | 236                        | 27,970         | 34.4  | 19.3                   | 8.3                         | 3.0   | 19.6                         | 10.9                        | 2.7  |
| Residential building construction                   | 2361                       | 18,020         | 34.9  | 19.3                   | 9.7                         | 1.7   | 23.1                         | 11.1                        | 2.5  |
| Nonresidential building construction                | 2362                       | 9,950          | 33.4  | 19.4                   | 5.8                         | 5.3   | 13.3                         | 10.5                        | 3.1  |
| Heavy and civil engineering construction            | 237                        | 16,090         | 36.2  | 20.5                   | 5.8                         | 6.4   | 9.1                          | 9.3                         | 3.0  |
| Utility system construction                         | 2371                       | 7,650          | 36.2  | 21.6                   | 5.6                         | 7.1   | 8.6                          | 9.9                         | 2.4  |
| Water and sewer line and related structures         | 2371                       | 7,000          | 50.2  | 21.0                   | 0.0                         | /.1   | 0.0                          | 5.5                         | 2.7  |
|   | 23711                      | 4,050          | 36.8  | 22.2                   | 4.4                         | 7.2   | 12.8                         | 9.6                         | 2.2  |
| Construction  | 23711                      | 4,050          | 30.0  | 22.2                   | 4.4                         | 1.2   | 12.0                         | 9.0                         | 2.2  |
| Oil and gas pipeline and related structures         | 00740                      | 070            | 40.0  | 00.7                   | 0.0                         | 0.0   | 24                           |                             | 0.4  |
| construction  | 23712                      | 970            | 43.3  | 23.7                   | 9.3                         | 8.2   | 3.1                          | 14.4                        | 2.1  |
| Power and communication line and related            | 00740                      | 0.040          |       | 40 7                   |                             |   |                              |                             |  |
| structures construction                             | 23713                      | 2,640          | 33.0  | 19.7                   | 6.1                         | 6.1   | 4.2                          | 9.1                         | 2.7  |
| Land subdivision                                    | 2372                       | 730            | 35.6  | 26.0                   | 8.2                         |   | 15.1                         | 8.2                         |  |
| Highway, street, and bridge construction            | 2373                       | 6,310          | 33.9  | 19.2                   | 4.4                         | 6.5   | 9.5                          | 8.4                         | 4.3  |
| Other heavy and civil engineering construction      | 2379                       | 1,400          | 47.1  | 17.9                   | 11.4                        | 5.7   | 7.1                          | 10.0                        | 3.6  |
| Specialty trade contractors                         | 238                        | 91,290         | 35.5  | 20.0                   | 8.1                         | 4.3   | 14.2                         | 8.8                         | 2.8  |
| Foundation, structure, and building exterior        |                            |                |       |                        |                             |   |                              |                             |  |
| contractors   | 2381                       | 24,530         | 38.9  | 24.1                   | 8.3                         | 4.0   | 14.7                         | 9.6                         | 2.5  |
| Poured concrete foundation and structure            |                            |                |       |                        |                             |   |                              |                             |  |
| contractors   | 23811                      | 4,490          | 40.1  | 23.4                   | 6.5                         | 6.5   | 13.4                         | 8.7                         | 3.6  |
| Structural steel and precast concrete               |                            |                |       |                        |                             |   |                              |                             |  |
| contractors   | 23812                      | 2,640          | 43.2  | 23.9                   | 9.1                         | 7.6   | 11.7                         | 7.6                         | 3.4  |
| Framing contractors                                 | 23813                      | 3,850          | 51.2  | 32.7                   | 11.2                        | 3.4   | 22.3                         | 7.8                         | 1.3  |
| Masonry contractors                                 | 23814                      | 4,830          | 37.1  | 22.6                   | 9.5                         | 2.1   | 8.1                          | 11.0                        | 2.9  |
| Glass and glazing contractors                       | 23815                      | 1,700          | 39.4  | 27.1                   | 7.6                         | 2.9   | 11.8                         | 5.9                         |  |
| Roofing contractors                                 | 23816                      | 5,030          | 26.0  | 16.7                   | 6.6                         | 1.6   | 20.3                         | 14.1                        | 2.6  |
| Siding contractors                                  | 23817                      | 1,090          | 40.4  | 27.5                   | 12.8                        | _   | 13.8                         | -                           | _  |
| Other foundation, structure, and building           |                            | ,              |       |                        |                             |   |                              |                             |  |
| exterior contractors                                | 23819                      | 890            | 48.3  | 31.5                   | 3.4                         | 13.5  | 9.0                          | 11.2                        | _  |
| Building equipment contractors                      | 2382                       | 37,310         | 34.7  | 18.7                   | 8.2                         | 4.2   | 13.1                         | 8.9                         | 3.4  |
|   |                            | ,0.0           |       |                        |                             |   |                              | 0.0                         | 0  |

|   |       |            |                           |   | Percent of | f industry ca       | ase total in           | volving — |                          |                          |                          |                                       |
|---|-------|------------|---------------------------|---|------------|---------------------|------------------------|-----------|--------------------------|--------------------------|--------------------------|---------------------------------------|
|   | Overe | exertion   |                           | Expo-<br>sure                                       |            | oortation<br>dents  |                        | A         | ssaults and              | d violent ad             | cts                      | -                                     |
|   |       |            |                           | to  | acci       |                     | Fires                  |           |                          | All other                | assaults                 |                                       |
| Industry <sup>3</sup>   | Total | In lifting | Repeti-<br>tive<br>motion | harmful<br>sub-<br>stance<br>or<br>environ-<br>ment | Total      | Highway<br>accident | and<br>explo-<br>sions | Total     | Assaults<br>by<br>person | All<br>other<br>assaults | Assaults<br>by<br>animal | All<br>other<br>events <sup>5,6</sup> |
| Other chemical and fertilizer mineral mining <sup>5,9</sup>                 | 33.3  |            | _                         | _   | _          |                     | _                      | _         |                          | _                        | _                        |                                       |
| All other nonmetallic mineral mining <sup>5,9</sup>                         |       | _          | _                         | _   | _          | _                   | _                      | _         | _                        | _                        | _                        | _                                     |
| Support activities for mining   | 11.9  | 4.9        | 1.0                       | 6.0   | 7.8        | 7.0                 | 0.5                    | _         |                          | _                        | _                        | 10.1                                  |
| Support activities for mining   | 11.9  | 4.9        | 1.0                       | 6.0   | 7.8        | 7.0                 | .5                     |           |                          |                          | _                        | 10.1                                  |
| Support activities for mining   | 11.9  | 4.9        | 1.0                       | 6.0   | 7.8        | 7.0                 | .5                     |           |                          | _                        | _                        | 10.1                                  |
| Drilling oil and goo wollo  | 11.3  | 4.9        | - 1.0                     | 3.3   | 2.0        | - 7.0               | .5                     | _         | _                        | _                        | _                        | 8.6                                   |
| Drilling oil and gas wells  |       | -          |                           |   | -          | 1                   | _                      | _         | -                        | _                        | _                        |                                       |
| Support activities for oil and gas operations                               | 12.3  | 5.5        | 1.3                       | 8.1   | 11.4       | 11.0                | -                      | -         | _                        | _                        | -                        | 11.4                                  |
| Construction  | 17.4  | 9.7        | 1.2                       | 3.7   | 3.9        | 2.6                 | .2                     | 0.4       | 0.2                      | 0.2                      | 0.2                      | 11.1                                  |
| Construction  | 17.4  | 9.7        | 1.2                       | 3.7   | 3.9        | 2.6                 | .2                     | .4        | .2                       | .2                       | .2                       | 11.1                                  |
| Construction of buildings   | 18.2  | 11.0       | 1.0                       | 3.3   | 2.5        | 1.9                 | -                      | .3        | .3                       | .1                       | .1                       | 7.1                                   |
| Residential building construction   | 17.9  | 11.6       | .8                        | 3.3   | .7         | .4                  | -                      | .3        | .2                       | -                        | -                        | 5.3                                   |
| Nonresidential building construction  | 18.6  | 10.1       | 1.5                       | 3.3   | 5.7        | 4.6                 | -                      | .3        | .2                       | -                        | -                        | 10.3                                  |
| Heavy and civil engineering construction                                    | 13.0  | 6.2        | 1.3                       | 6.3   | 8.5        | 4.1                 | .2                     | .4        | .3                       | .1                       | -                        | 12.4                                  |
| Utility system construction<br>Water and sewer line and related structures  | 14.2  | 6.7        | 1.2                       | 5.1   | 8.2        | 4.2                 | .3                     | -         | -                        | _                        | -                        | 14.0                                  |
| Construction  | 10.9  | 6.2        | 1.5                       | 4.2   | 5.9        | 3.0                 | -                      | -         | -                        | _                        | -                        | 15.6                                  |
| construction  | 12.4  | 7.2        | _                         | 3.1   | 7.2        | -                   | -                      | _         | -                        | _                        | _                        | 14.4                                  |
| Power and communication line and related                                    |       |            |                           |   |            |                     |                        |           |                          |                          |                          |                                       |
| structures construction   | 20.1  | 7.2        | .8                        | 7.2   | 11.7       | 7.2                 | -                      | -         | -                        | -                        | -                        | 11.4                                  |
| Land subdivision  | 11.0  | 8.2        | -                         | 17.8  | -          | -                   | -                      | -         | -                        | -                        | -                        | 9.6                                   |
| Highway, street, and bridge construction                                    | 12.7  | 5.7        | 1.6                       | 6.0   | 10.5       | 4.8                 | .3                     | .5        | -                        | -                        | -                        | 12.4                                  |
| Other heavy and civil engineering construction                              | 9.3   | 4.3        | 1.4                       | 7.1   | 5.0        | 2.1                 | -                      | -         | -                        | -                        | -                        | 6.4                                   |
| Specialty trade contractors<br>Foundation, structure, and building exterior | 17.9  | 9.9        | 1.2                       | 3.4   | 3.6        | 2.5                 | .3                     | .4        | .1                       | .2                       | .2                       | 12.0                                  |
| contractors<br>Poured concrete foundation and structure                     | 16.1  | 8.8        | 1.8                       | 3.2   | 2.4        | 1.5                 | .1                     | .7        | .3                       | .4                       | .4                       | 9.9                                   |
| contractors<br>Structural steel and precast concrete                        | 13.1  | 5.1        | 1.8                       | 2.4   | 4.2        | 2.7                 | -                      | -         | -                        | _                        | -                        | 12.0                                  |
| contractors   | 17.4  | 11.0       | 1.1                       | 3.8   | .8         | _                   | _                      | _         | _                        | _                        | _                        | 10.2                                  |
| Framing contractors   | 8.8   | 4.9        | .5                        | .5  | 0          | _                   | _                      | _         | _                        | _                        | _                        | 7.5                                   |
| Masonry contractors   | 19.9  | 13.5       | 3.5                       | 2.9   | 2.5        | 1.7                 | _                      | 2.5       | .6                       | 1.9                      | 1.9                      | 9.3                                   |
| Glass and glazing contractors   | 28.2  | 12.4       |                           |   | 6.5        | 4.1                 | _                      |           |                          | _                        | -                        | 5.9                                   |
| Roofing contractors   | 15.5  | 8.7        | 1.0                       | 7.6   | 2.0        | 1.8                 | _                      | .6        | .6                       | _                        | _                        | 10.3                                  |
| Siding contractors<br>Other foundation, structure, and building             | 20.2  | 11.9       | 7.3                       | -   | -          | -                   | _                      |           |                          | _                        | _                        | 15.6                                  |
| exterior contractors  | 11.2  | 3.4        | _                         | 3.4   | 4.5        | _                   | _                      | -         | _                        | _                        | _                        | 9.0                                   |
| Building equipment contractors  | 18.4  | 9.8        | .9                        | 4.5   | 3.4        | 2.6                 | .5                     | .3        | -                        | .3                       | .3                       | 12.0                                  |

|   |                            |                |       |                        |                             |   |                              | -                           |  |
|---|----------------------------|----------------|-------|------------------------|-----------------------------|---|------------------------------|-----------------------------|--|
|   | 1                          |                |       | Contact w              | ith objects                 |   |                              |                             |  |
| Industry <sup>3</sup>   | NAICS<br>code <sup>4</sup> | Total<br>cases | Total | Struck<br>by<br>object | Struck<br>against<br>object | Caught<br>in or<br>com-<br>pressed<br>or<br>crushed | Fall<br>to<br>lower<br>level | Fall<br>on<br>same<br>level | Slips<br>or<br>trips<br>without<br>fall <sup>5</sup> |
| Electrical contractors<br>Plumbing, heating, and air-conditioning | 23821                      | 14,620         | 32.9  | 19.6                   | 7.0                         | 3.1   | 14.9                         | 12.0                        | 3.1  |
| contractors   | 23822                      | 20,980         | 35.8  | 17.9                   | 9.2                         | 4.7   | 12.0                         | 6.9                         | 3.5  |
| Other building equipment contractors                              |                            | 1,710          | 35.7  | 21.1                   | 6.4                         | 7.0   | 12.3                         | 7.6                         | 3.5  |
| Building finishing contractors                                    |                            | 18,920         | 31.0  | 16.1                   | 8.7                         | 3.2   | 17.3                         | 8.0                         | 2.3  |
| Drywall and insulation contractors                                |                            | 6,920          | 27.7  | 13.4                   | 8.5                         | 2.6   | 19.9                         | 8.8                         | 2.7  |
| Painting and wall covering contractors                            |                            | 3,160          | 31.3  | 18.7                   | 8.5                         | .9  | 31.0                         | 7.0                         | 1.9  |
| Flooring contractors  |                            | 1,740          | 39.1  | 13.8                   | 16.7                        | 4.6   | _                            | 4.0                         | 2.9  |
| Tile and terrazzo contractors                                     |                            | 1,270          | 36.2  | 18.1                   | 8.7                         | 5.5   | 6.3                          | 4.7                         | 4.7  |
| Finish carpentry contractors                                      |                            | 3,960          | 34.6  | 18.7                   | 8.3                         | 5.6   | 15.7                         | 3.8                         | 1.3  |
| Other building finishing contractors                              |                            | -              | -     | -                      | -                           | -   | -                            | -                           | -  |
| Other specialty trade contractors                                 |                            | 10,530         | 38.8  | 22.5                   | 6.2                         | 7.5   | 10.8                         | 7.8                         | 2.1  |
| Site preparation contractors                                      |                            | 5,680          | 41.2  | 24.3                   | 7.2                         | 6.0   | 14.6                         | 8.5                         | 2.1  |
| All other special trade contractors                               |                            | 4,850          | 36.1  | 20.2                   | 5.2                         | 9.5   | 6.2                          | 7.0                         | 1.9  |
| ·   |                            | ,              | 37.5  | 16.6                   | 7.2                         | 10.8  | 3.9                          | 10.0                        | 2.6  |
| Manufacturing   |                            | 187,200        | 37.5  | 10.0                   | 1.2                         | 10.0  | 3.9                          | 10.0                        | 2.0  |
| Manufacturing   | 31-33                      | 187,200        | 37.5  | 16.6                   | 7.2                         | 10.8  | 3.9                          | 10.0                        | 2.6  |
| Food manufacturing  | 311                        | 23,090         | 33.4  | 14.1                   | 7.0                         | 10.4  | 5.2                          | 13.9                        | 3.1  |
| Animal food manufacturing   |                            | 740            | 33.8  | 12.2                   | 5.4                         | 14.9  | 5.4                          | 12.2                        | 2.7  |
| Animal food manufacturing   |                            | 740            | 33.8  | 12.2                   | 5.4                         | 14.9  | 5.4                          | 12.2                        | 2.7  |
| Dog and cat food manufacturing                                    |                            | 120            | 41.7  | 16.7                   | _                           | 25.0  | _                            | _                           | -  |
| Other animal food manufacturing                                   |                            | 620            | 32.3  | 11.3                   | 4.8                         | 14.5  | 4.8                          | 11.3                        | 3.2  |
| Grain and oilseed milling   | 3112                       | 930            | 23.7  | 8.6                    | 5.4                         | 7.5   | 5.4                          | 14.0                        | 5.4  |
| Flour milling and malt manufacturing                              | 31121                      | 340            | 32.4  | 11.8                   | 8.8                         | 8.8   | 5.9                          | 11.8                        | 5.9  |
| Flour milling   |                            | 280            | 28.6  | 10.7                   | 7.1                         | 7.1   | 7.1                          | 14.3                        | 7.1  |
| Rice milling  |                            | 50             | 40.0  | _                      | _                           |   | _                            | _                           | -  |
| Malt manufacturing  |                            | 20             | _     | -                      | _                           |   | _                            | _                           | -  |
| Starch and vegetable fats and oils                                |                            |                |       |                        |                             |   |                              |                             |  |
| manufacturing   | 31122                      | 230            | 26.1  | 8.7                    | 8.7                         | 8.7   | 8.7                          | 13.0                        | -  |
| Wet corn milling  | 311221                     | 50             | -     | -                      | -                           | -   | -                            | -                           | -  |
| Soybean processing  |                            | 90             | -     | -                      | -                           | -   | 22.2                         | -                           | -  |
| Fats and oils refining and blending                               | 311225                     | 70             | 28.6  | -                      | -                           | -   | -                            | -                           | -  |
| Breakfast cereal manufacturing                                    | 31123                      | 350            | 14.3  | 8.6                    | -                           | 5.7   | -                            | 17.1                        | 5.7  |
| Sugar and confectionery product manufacturing                     | 3113                       | 1,050          | 31.4  | 14.3                   | 5.7                         | 8.6   | 5.7                          | 14.3                        | 3.8  |
| Sugar manufacturing   |                            | 310            | 25.8  | 9.7                    | 9.7                         | -   | 6.5                          | 12.9                        | -  |
| Sugarcane mills   |                            | 120            | 33.3  | 16.7                   | -                           | -   | -                            | 16.7                        | -  |
| Cane sugar refining   | 311312                     | 40             | -     | -                      | -                           | -   | -                            | -                           | -  |
| Beet sugar manufacturing  | 311313                     | 150            | 20.0  | -                      | -                           | -   | -                            | 13.3                        | -  |
| Chocolate and confectionery manufacturing                         |                            |                |       |                        |                             |   |                              |                             |  |
| from cacao beans  | 31132                      | 70             | 28.6  | -                      | -                           | -   | -                            | -                           | -  |

| Electrical contractors   15.7   7.8   1.0   5.7   3.3   2.6   0.1   0.3   -   0.3   0.3   10.9     Electrical contractors   20.0   11.2   8   3.4   3.7   2.7   7   3   -   3   3   3   0.3   0.9     Other building equipment contractors   21.0   12.8   1.5   1.7   3.2   2.4   -   -   -   -   9.9     Building finishing contractors   21.0   12.8   1.5   1.7   3.2   2.4   -   -   -   -   -   1.6   9.9   -   -   -   -   1.6   9.9   -   -   -   -   1.6   1.6   9.6   -   -   -   1.2   1.7   2.9   2.3   2.3   -   -   -   -   1.6   1.6   7.5   5.4   7.6   -   -   -   -   1.5   1.6   7.6   5.1   |   |       |            |      |                                  | Percent of | f industry ca | ase total ir  | volving — | -           |              |          |       |
|---|---|-------|------------|------|----------------------------------|------------|---------------|---------------|-----------|-------------|--------------|----------|-------|
| Industry <sup>3</sup> Total   Initiang   Repetive<br>protein   to<br>sub-<br>sub-<br>or<br>ment   Total   Highway<br>solution<br>of<br>or<br>ment   Fires<br>accident   Total   Highway<br>biolog   Total   All other assaults<br>assaults   All<br>other<br>assaults   All<br>other<br>assaults     Electrical contractors   15.7   7.8   1.0   5.7   3.3   2.6   0.1   0.3   -   0.3   0.3   10.9     Duolog finishing contractors   21.0   12.8   1.5   1.7   3.2   2.4   -   -   -   -   -   3   3   13.0     Duolog finishing contractors   21.0   1.2   1.5   1.7   3.2   2.4   -   -   -   -   -   1.5   7.6   1.7   2.2   2.4   -   -   -   -   1.5   7.6   1.7   2.9   2.3   2.3   -   -   -   -   1.5   1.6   9   6   -   -   -   -   1.5   1.6   5   3.0   7.5   |   | Overe | exertion   |      |                                  |            |               |               | A         | ssaults and | d violent ad | cts      |       |
| Industry <sup>3</sup> Total   Repete<br>Industry <sup>3</sup> Total   Repete<br>sub-<br>motion   Total   Highway<br>sub-<br>sub-<br>emton-<br>ment   Total   end<br>sions   and<br>sions   Total   Assaults<br>by<br>error<br>assaults   All<br>other<br>assaults   Assaults<br>by<br>animal   All<br>other<br>assaults   Assaults<br>by<br>animal   Assaults<br>other<br>assaults   Assaults<br>by<br>animal     Electical contractors   15.7   7.8   1.0   5.7   3.3   2.6   0.1   0.3   -   0.3   0.3   10.9     Pumbing pumping and air-conditioning<br>contractors   21.1   8   1.4   7.0   1.2   1.2   7.0   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   1.3   3.13.0   1.7   2.2   2.4   -   -   -   -   -   -   1.6   9   6   -   -   -   -   -   1.2   1.7   1.2   9.9   -   -   -   -   1.2   1.1   1.0   < |   |       |            |      | to                               | acci       |               | Fires         |           |             | All other    | assaults |       |
| Plumbing, heating, and air-conditioning   D   B   B   C   F<  | Industry <sup>3</sup>                         | Total | In lifting | tive | sub-<br>stance<br>or<br>environ- | Total      |               | and<br>explo- | Total     | by          | other        | by       | other |
| Other building equipment contractors   21.1   8.8   1.2   7.0   1.2   1.2   - <t< td=""><td></td><td>15.7</td><td>7.8</td><td>1.0</td><td>5.7</td><td>3.3</td><td>2.6</td><td>0.1</td><td>0.3</td><td>-</td><td>0.3</td><td>0.3</td><td>10.9</td></t<>  |   | 15.7  | 7.8        | 1.0  | 5.7                              | 3.3        | 2.6           | 0.1           | 0.3       | -           | 0.3          | 0.3      | 10.9  |
| Other building equipment contractors   21.1   8.8   1.2   7.0   1.2   1.2   - <t< td=""><td></td><td>20.0</td><td>11.2</td><td>.8</td><td>3.4</td><td>3.7</td><td>2.7</td><td>.7</td><td>.3</td><td>_</td><td>.3</td><td>.3</td><td>13.0</td></t<>  |   | 20.0  | 11.2       | .8   | 3.4                              | 3.7        | 2.7           | .7            | .3        | _           | .3           | .3       | 13.0  |
| Building finishing contractors   21.0   12.8   1.5   1.7   3.2   2.4   -   -   -   -   -   -   13.6     Drywall and insulatio contractors   11.3   7.0   -   1.6   9   6   -   -   -   -   -   -   13.8     Pilooring contractors   23.9   13.2   1.7   2.9   2.3   -   -   -   -   -   12.1     Tile and terrazzo contractors   26.0   18.1   4.7   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   11.6   Other special trade contractors   11.6   -   -   -   -   -   -   -   11.8   31.8   7.0   5.2   -   -   -   -   11.8   31.0   3.2   0.1   .1   1.1   10.3     Manufacturing   21.0   1   | Other building equipment contractors          | 21.1  | 8.8        | 1.2  | 7.0                              | 1.2        | 1.2           | _             | _         | _           | _            | _        | 9.9   |
| $ \begin{array}{c c c c c c c c c c c c c c c c c c c $   |   |       |            |      | 1.7                              |            |               | _             | -         |             | _            | -        |       |
| $ \begin{array}{c c c c c c c c c c c c c c c c c c c $   |   |       |            |      |                                  |            |               | -             | -         |             | _            | -        |       |
| $ \begin{array}{c c c c c c c c c c c c c c c c c c c $   |   | 12.3  | 7.0        | _    | 1.6                              | .9         | .6            | _             | _         | _           | _            | _        | 13.9  |
| Tile and terrazo contractors 26.0 18.1 4.7 - 13.8 3.3 3.0 1.7 1.3 3.3 2.0 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 <th< td=""><td></td><td></td><td>13.2</td><td>1.7</td><td>2.9</td><td></td><td>2.3</td><td>_</td><td>_</td><td>_</td><td>_</td><td>_</td><td>12.1</td></th<>  |   |       | 13.2       | 1.7  | 2.9                              |            | 2.3           | _             | _         | _           | _            | _        | 12.1  |
| Finish carpentry contractors 24.5 21.0 - 1 7.1 6.8 - - - - 1 - 11.8 3.1 7.6 6.6 3.0 7.5 4.4 7.0 5.2 - <td>Tile and terrazzo contractors</td> <td>26.0</td> <td>18.1</td> <td>4.7</td> <td>_</td> <td>_</td> <td>_</td> <td>_</td> <td>_</td> <td>_</td> <td>_</td> <td>_</td> <td>16.5</td>   | Tile and terrazzo contractors                 | 26.0  | 18.1       | 4.7  | _                                | _          | _             | _             | _         | _           | _            | _        | 16.5  |
| $ \begin{array}{c c c c c c c c c c c c c c c c c c c $   |   |       |            |      | 1.3                              | 7.1        | 6.8           | _             | _         | _           | _            | _        |       |
| $ \begin{array}{c c c c c c c c c c c c c c c c c c c $   |   |       |            | -    | -                                |            |               | _             | _         | _           | _            | _        | -     |
| Site preparation contractors 10.7 3.5 5 1.8 7.9 3.9 7 - - - - - - - 11.8   All other special trade contractors 20.2 12.4 .6 4.3 7.0 5.2 - - - - - - 15.9   Manufacturing 21.0 10.7 6.8 5.3 2.0 .7 .3 .2 0.1 .1 .1 10.3   Food manufacturing 19.2 9.6 5.8 6.5 2.5 1.1 .1 .5 .2 .3 .2 9.7   Animal tood manufacturing 25.7 10.8 4.1 - 4.1 2.7 - - - - 10.8   Dog and cat food manufacturing 25.7 10.8 4.1 - 4.1 2.7 - - - - 10.8   Dog and cat food manufacturing 27.4 12.9 4.8 - 3.2 2.2 - - - - - - 10.8  |   | 15.1  | 7.6        | .6   | 3.0                              | 7.5        | 4.4           | .4            | _         | _           | _            | _        | 13.8  |
| All other special trade contractors 20.2 12.4 6 4.3 7.0 5.2 - - - - - 15.9   Manufacturing 21.0 10.7 6.8 5.3 2.0 .7 .3 .2 0.1 .1 .1 10.3   Manufacturing 21.0 10.7 6.8 5.3 2.0 .7 .3 .2 .1 .1 .1 10.3   Food manufacturing 25.7 10.8 4.1 - 4.1 2.7 - - - - 10.8   Animal food manufacturing 25.7 10.8 4.1 - 4.1 2.7 - - - - 10.8   Animal food manufacturing 25.7 10.8 4.1 - 4.1 2.7 - - - - - 10.8   Animal food manufacturing 27.4 12.9 4.8 - 3.2 3.2 - - - - - 14.7   Four milling and matin manufacturing 20.6 11.8 -   |   |       |            |      | 1.8                              |            | 3.9           |               | _         | _           | _            | _        |       |
| Manufacturing 21.0 10.7 6.8 5.3 2.0 .7 .3 .2 .1 .1 .1 10.3   Food manufacturing 19.2 9.6 5.8 6.5 2.5 1.1 .1 .5 .2 .3 .2 9.7   Animal food manufacturing 25.7 10.8 4.1 - 4.1 2.7 - - - - - 10.8   Dog and cat food manufacturing 25.7 10.8 4.1 - 4.1 2.7 - 10.8 - 5.9 - - - -  |   |       |            |      |                                  |            |               |               | _         | -           | -            | -        |       |
| Food manufacturing   19.2   9.6   5.8   6.5   2.5   1.1   .1   .5   .2   .3   .2   9.7     Animal food manufacturing   25.7   10.8   4.1   -   4.1   2.7   -   -   -   -   -   10.8     Animal food manufacturing   25.7   10.8   4.1   -   4.1   2.7   -   -   -   -   -   10.8     Dog and cat food manufacturing   27.4   12.9   4.8   -   3.2   3.2   -   -   -   -   -   -   -   -   -   -   10.8     Grain and olseed milling   24.7   17.2   2.2   6.5   -   -   -   -   -   14.7     Flour milling   21.4   10.7   -   -   -   -   -   -   -   -   -   14.3     Rice milling   -   -   -   -   -   -   -  | Manufacturing                                 | 21.0  | 10.7       | 6.8  | 5.3                              | 2.0        | .7            | .3            | .2        | 0.1         | .1           | .1       | 10.3  |
| Animal food manufacturing 25.7 10.8 4.1 - 4.1 2.7 - - - - 10.8   Animal food manufacturing 25.7 10.8 4.1 - 4.1 2.7 - - - - 10.8   Dog and cat food manufacturing 2.5.7 10.8 4.1 - 4.1 2.7 - - - - - 10.8   Dog and cat food manufacturing 2.7.4 12.9 4.8 - 3.2 3.2 - - - - - 9.7   Grain and oilseed milling 24.7 17.2 2.2 6.5 - - - - - 14.7   Flour milling and malf manufacturing 20.6 11.8 - 5.9 - - - - - 14.3   Rice milling - - - - - - - - - - - - - - - 14.3   Mait manufacturing - - - - - </td <td>Manufacturing</td> <td>21.0</td> <td>10.7</td> <td>6.8</td> <td>5.3</td> <td>2.0</td> <td>.7</td> <td>.3</td> <td>.2</td> <td>.1</td> <td>.1</td> <td>.1</td> <td>10.3</td>   | Manufacturing                                 | 21.0  | 10.7       | 6.8  | 5.3                              | 2.0        | .7            | .3            | .2        | .1          | .1           | .1       | 10.3  |
| Animal food manufacturing 25.7 10.8 4.1 - 4.1 2.7 - - - - 10.8   Animal food manufacturing 25.7 10.8 4.1 - 4.1 2.7 - - - - 10.8   Dog and cat food manufacturing - - - - - - - - - - 10.8   Other animal food manufacturing 27.4 12.9 4.8 - 3.2 3.2 - - - - - 9.7   Grain and oilseed milling 24.7 17.2 2.2 6.5 - - - - - - 14.1   Flour milling and malt manufacturing 20.6 11.8 - 5.9 - - - - - 14.3   Rice milling - - - - - - - - - - - 14.3   Matt manufacturing - - - - - - - - - <td< td=""><td>Food manufacturing</td><td>10.2</td><td>9.6</td><td>5.8</td><td>65</td><td>25</td><td>11</td><td>1</td><td>5</td><td>2</td><td>3</td><td>2</td><td>0.7</td></td<>  | Food manufacturing                            | 10.2  | 9.6        | 5.8  | 65                               | 25         | 11            | 1             | 5         | 2           | 3            | 2        | 0.7   |
| Animal food manufacturing 25.7 10.8 4.1 - 4.1 2.7 - - - - 10.8   Dog and cat food manufacturing 27.4 12.9 4.8 - 3.2 3.2 - - - - - 9.7   Grain and oilseed milling 24.7 17.2 2.2 6.5 - - - - - - 9.7   Flour milling and malt manufacturing 20.6 11.8 - 5.9 - - - - - - 14.7   Flour milling 21.4 10.7 - - - - - - - 14.7   Rice milling - - - - - - - - - - 14.7   Matt manufacturing - - - - - - - - - - - - - - - 14.7   Matt manufacturing - - - - - - - <   |   | -     |            |      |                                  |            |               |               | 0         |             | 0            |          |       |
| Dog and cat food manufacturing   - <th< td=""><td>0</td><td>-</td><td></td><td></td><td></td><td></td><td></td><td>_</td><td></td><td>  -</td><td>_</td><td></td><td></td></th<>  | 0   | -     |            |      |                                  |            |               | _             |           | -           | _            |          |       |
| Other animal food manufacturing 27.4 12.9 4.8 - 3.2 3.2 - - - - - 9.7   Grain and oilseed milling 24.7 17.2 2.2 6.5 - - - - - - - - - - - - - - - 16.1   Flour milling and malt manufacturing 20.6 11.8 - 5.9 - - - - - - 14.7   Flour milling - - - - - - - - 14.3   Rice milling - - - - - - - - 14.3   Malt manufacturing - - - - - - - - - - - - 14.3   manufacturing 17.4 8.7 - 13.0 - - - - - - - - - - - - - - - - <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>_</td> <td></td> <td>-</td> <td></td> <td></td> <td></td>   |   |       |            |      |                                  |            |               | _             |           | -           |              |          |       |
| Grain and oilseed milling 24.7 17.2 2.2 6.5 - - - - - - 16.1   Flour milling and malt manufacturing 20.6 11.8 - 5.9 - - - - - - - 14.7   Flour milling 21.4 10.7 - - - - - - - 14.7   Rice milling - - - - - - - - 14.3   Rice milling - - - - - - - - 14.3   Malt manufacturing - - - - - - - 14.3   manufacturing - - - - - - - - - - 14.3   wet corn milling - - - - - - - - - - - - - - 13.0   wet corn milling - - - - <   |   |       |            |      |                                  |            |               | _             |           | -           |              |          |       |
| Flour milling and malt manufacturing 20.6 11.8 - 5.9 - - - - - - - 14.7   Flour milling 21.4 10.7 - - - - - - - - - - - 14.3   Rice milling - - - - - - - - - - - 14.3   Rice milling - - - - - - - - - - 14.3   Malt manufacturing - - - - - - - - - - - - 14.7   Malt manufacturing - </td <td></td> <td></td> <td></td> <td>-</td> <td></td> <td>-</td> <td>-</td> <td>_</td> <td></td> <td></td> <td></td> <td></td> <td>-</td>   |   |       |            | -    |                                  | -          | -             | _             |           |             |              |          | -     |
| Flour milling 21.4 10.7 - - - - - - - 14.3   Rice milling -   |   |       |            | 1    |                                  |            |               | _             |           | -           |              |          | -     |
| Rice milling - <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>_</td><td></td><td>-</td><td></td><td></td><td></td></t<>   |   |       |            |      |                                  |            |               | _             |           | -           |              |          |       |
| Malt manufacturing -  |   |       | -          |      |                                  | _          |               | _             | _         | _           | _            |          |       |
| manufacturing 17.4 8.7 - 13.0 - - - - - - 13.0   Wet corn milling - - - - - - - - - 13.0   Soybean processing - <t< td=""><td>Malt manufacturing</td><td></td><td>_</td><td>_</td><td>_</td><td>_</td><td></td><td>_</td><td></td><td>_</td><td>_</td><td></td><td>_</td></t<>  | Malt manufacturing                            |       | _          | _    | _                                | _          |               | _             |           | _           | _            |          | _     |
| Wet corn milling - 10.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0   |   | 17.4  | 8.7        | _    | 13.0                             | _          | _             | _             | _         | _           | _            | _        | 13.0  |
| Soybean processing 22.2 - - 22.2 - 10.0 000000000000000000000000000000000000  |   |       | _          | _    |                                  | _          | _             | _             | _         | _           | _            | _        | _     |
| Fats and oils refining and blending - 20.0 - - - - 11.4 Sugar manufacturing - - - - - 11.4 Sugar manufacturing - - - - - 11.4 Sugar manufacturing - - - - - - 12.9 Sugar manufacturing - - - -  |   |       | _          | _    | 22.2                             | _          | _             | _             | _         | _           | _            | _        | _     |
| Breakfast cereal manufacturing 34.3 28.6 - - - - - - - 20.0   Sugar and confectionery product manufacturing 17.1 8.6 3.8 8.6 1.9 - - - - - 11.4   Sugar manufacturing 16.1 9.7 - 16.1 - - - - - 12.9   Sugar cane mills - - - 16.7 - - - - 12.9   Sugar refining - - - 16.7 - - - - - 12.9   Beet sugar manufacturing - <t< td=""><td></td><td></td><td>_</td><td>_</td><td></td><td>_</td><td>_</td><td>_</td><td>_</td><td>_</td><td>_</td><td>_</td><td>_</td></t<>  |   |       | _          | _    |                                  | _          | _             | _             | _         | _           | _            | _        | _     |
| Sugar and confectionery product manufacturing   17.1   8.6   3.8   8.6   1.9   -   -   -   -   -   11.4     Sugar manufacturing   16.1   9.7   -   16.1   -   -   -   -   -   -   12.9     Sugar cane mills   -   -   -   16.7   -   -   -   -   -   12.9     Cane sugar refining   -   <   | Breakfast cereal manufacturing                |       | 28.6       | _    |                                  | _          | _             | _             | _         | _           | _            | _        | 20.0  |
| Sugar manufacturing 16.1 9.7 - 16.1 - - - - - 12.9   Sugarcane mills - - - 16.7 -   | Sugar and confectionery product manufacturing |       |            | 3.8  | 8.6                              | 1.9        | _             | _             | _         | _           | _            | _        |       |
| Sugarcane mills - - - 16.7 - 13.3 3.3 - - - - - - - <td></td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td>_</td> <td>_</td> <td>_</td> <td>_</td> <td>_</td> <td>_</td> <td></td>  |   |       |            |      | 1                                |            | _             | _             | _         | _           | _            | _        |       |
| Cane sugar refining   -   13.3   -   -   -   -   -   -   -  |   |       |            | _    | -                                | _          | _             | _             | _         | -           | _            | _        | _     |
| Beet sugar manufacturing   13.3   -   -   20.0   -   -   -   -   13.3     Chocolate and confectionery manufacturing   13.3   -   -   20.0   -   -   -   -   -   13.3  |   |       | _          | _    | -                                | _          | _             | _             | _         | _           | _            | _        | _     |
| Chocolate and confectionery manufacturing   | Beet sugar manufacturing                      |       | _          | _    | 20.0                             | _          | _             | _             | _         | -           | _            | _        | 13.3  |
| from cacao beans  | Chocolate and confectionery manufacturing     |       | _          | _    | _                                | _          | _             | _             | _         | _           | _            | _        | _     |

|  |                            |                |              | Perce                  | ent of indu                 | stry case to  | otal involvi                 | ng —                        |  |
|--|----------------------------|----------------|--------------|------------------------|-----------------------------|---|------------------------------|-----------------------------|--|
|  |                            |                |              | Contact w              | vith objects                |   |                              |                             |  |
| Industry <sup>3</sup>                        | NAICS<br>code <sup>4</sup> | Total<br>cases | Total        | Struck<br>by<br>object | Struck<br>against<br>object | Caught<br>in or<br>com-<br>pressed<br>or<br>crushed | Fall<br>to<br>lower<br>level | Fall<br>on<br>same<br>level | Slips<br>or<br>trips<br>without<br>fall <sup>5</sup> |
| Confectionery manufacturing from purchased   |                            |                |              |                        |                             |   |                              |                             |  |
| chocolate                                    | 31133                      | 430            | 41.9         | 23.3                   | 4.7                         | 11.6  | 4.7                          | 16.3                        | 4.7  |
| Nonchocolate confectionery manufacturing     | 31134                      | 230            | 26.1         | 8.7                    |                             | 8.7   | 8.7                          | 13.0                        | -  |
| Fruit and vegetable preserving and specialty | 01104                      | 200            | 20.1         | 0.7                    |                             | 0.7   | 0.7                          | 10.0                        |  |
| food manufacturing                           | 3114                       | 2,470          | 33.2         | 11.3                   | 6.9                         | 12.1  | 5.3                          | 16.2                        | 4.5  |
| Frozen food manufacturing                    | 31141                      | 1,230          | 31.7         | 12.2                   | 5.7                         | 12.2  | 5.7                          | 17.9                        | 4.9  |
| Frozen fruit, juice, and vegetable           |                            | .,             |              |                        |                             |   | •                            |                             |  |
| manufacturing                                | 311411                     | 530            | 34.0         | 15.1                   | 7.5                         | 9.4   | 7.5                          | 18.9                        | 5.7  |
| Frozen specialty food manufacturing          | 311412                     | 700            | 31.4         | 10.0                   | 4.3                         | 14.3  | 4.3                          | 17.1                        | 4.3  |
| Fruit and vegetable canning, pickling, and   | _                          |                | -            |                        | _                           | _   | -                            |                             | -  |
| drying                                       | 31142                      | 1,230          | 35.0         | 10.6                   | 7.3                         | 11.4  | 4.9                          | 14.6                        | 4.1  |
| Fruit and vegetable canning                  | 311421                     | 980            | 35.7         | 11.2                   | 8.2                         | 11.2  | 6.1                          | 13.3                        | 3.1  |
| Specialty canning                            | 311422                     | 100            | 30.0         | _                      | _                           | -   | -                            | 20.0                        | _  |
| Dried and dehydrated food manufacturing      | 311423                     | 160            | 31.2         | -                      | -                           | 18.8  | -                            | 18.8                        | 12.5   |
| Dairy product manufacturing                  | 3115                       | 3,590          | 24.5         | 10.9                   | 5.3                         | 7.5   | 6.7                          | 13.9                        | 3.3  |
| Dairy product (except frozen) manufacturing  | 31151                      | 3,150          | 23.5         | 10.2                   | 5.1                         | 7.3   | 7.0                          | 13.7                        | 3.5  |
| Fluid milk manufacturing                     | 311511                     | 1,930          | 22.8         | 9.8                    | 6.2                         | 6.7   | 9.3                          | 15.0                        | 3.1  |
| Cheese manufacturing                         | 311513                     | 960            | 24.0         | 10.4                   | 3.1                         | 9.4   | 3.1                          | 12.5                        | 4.2  |
| Dry, condensed, and evaporated dairy         |                            |                |              |                        |                             |   |                              |                             |  |
| product manufacturing                        | 311514                     | 200            | 25.0         | 10.0                   | -                           | -   | -                            | 10.0                        | -  |
| Ice cream and frozen dessert manufacturing   | 31152                      | 440            | 31.8         | 15.9                   | 6.8                         | 9.1   | 4.5                          | 13.6                        | -  |
| Animal slaughtering and processing           | 3116                       | 6,380          | 33.9         | 14.9                   | 6.3                         | 11.6  | 3.9                          | 12.4                        | 3.0  |
| Animal slaughtering and processing           | 31161                      | 6,380          | 33.9         | 14.9                   | 6.3                         | 11.6  | 3.9                          | 12.4                        | 3.0  |
| Animal (except poultry) slaughtering         | 311611                     | 2,330          | 36.1         | 20.6                   | 4.3                         | 9.9   | 3.9                          | 9.0                         | 2.6  |
| Meat processed from carcasses                | 311612                     | 1,990          | 32.2         | 11.6                   | 7.0                         | 13.1  | 3.5                          | 15.1                        | 3.5  |
| Rendering and meat byproduct processing      | 311613                     | 260            | 34.6         | 11.5                   | 11.5                        | 7.7   | 7.7                          | 7.7                         | 7.7  |
| Poultry processing                           | 311615                     | 1,800          | 33.3         | 11.7                   | 6.7                         | 12.8  | 3.9                          | 14.4                        | 2.2  |
| Seafood product preparation and packaging    | 3117                       | 1,280          | 39.8         | 16.4                   | 14.8                        | 6.2   | 3.1                          | 10.9                        | 1.6  |
| Seafood product preparation and packaging    | 31171                      | 1,280          | 39.8         | 16.4                   | 14.8                        | 6.2   | 3.1                          | 10.9                        | 1.6  |
| Seafood canning                              | 311711                     | 240            | 37.5         | 20.8                   | -                           | 8.3   | -                            | 12.5                        | -  |
| Fresh and frozen seafood processing          | 311712                     | 1,040          | 40.4         | 14.4                   | 17.3                        | 6.7   | 2.9                          | 10.6                        | 1.9  |
| Bakeries and tortilla manufacturing          | 3118                       | 4,180          | 38.3         | 16.5                   | 8.6                         | 11.5  | 5.5                          | 16.0                        | 3.1  |
| Bread and bakery product manufacturing       | 31181<br>311811            | 3,390          | 38.6         | 18.3                   | 8.3                         | 10.6  | 5.6<br>10.4                  | 15.9                        | 3.2<br>9.0   |
| Retail bakeries<br>Commercial bakeries       | 311812                     | 670            | 53.7<br>34.5 | 38.8<br>13.5           | 11.9<br>6.7                 | 12.3  | 4.8                          | 11.9<br>16.3                | 9.0  |
| Frozen cakes, pies, and other pastries       | 311012                     | 2,520          | 34.0         | 13.3                   | 0.7                         | 12.3  | 4.0                          | 10.3                        | 1.0  |
| manufacturing                                | 311813                     | 200            | 40.0         | 10.0                   | 15.0                        | 15.0  | _                            | 25.0                        | _  |
| Cookie, cracker, and pasta manufacturing     | 31182                      | 630            | 30.2         | 7.9                    | 6.3                         | 12.7  | _<br>6.3                     | 19.0                        | 3.2  |
| Cookie and cracker manufacturing             | 311821                     | 360            | 27.8         | 8.3                    | 8.3                         | 12.7  | 5.6                          | 22.2                        | - 5.2  |
| Flour mixes and dough manufacturing from     | 011021                     | 500            | 21.0         | 0.0                    | 0.5                         |   | 5.0                          | 22.2                        |  |
| purchased flour                              | 311822                     | 200            | 30.0         | _                      | _                           | 15.0  | _                            | 15.0                        | _  |
| Dry pasta manufacturing                      | 311823                     | 200<br>80      | 37.5         | _                      | _                           | - 15.0  | _                            | -                           |  |
| Ery puota manaraotanny                       | 011020                     | 00             | 01.0         |                        |                             |   |                              |                             |  |

|  |       |            | 1                         | 1   | Percent of | industry ca         | ase total in           | ivolving — | -                        |                          |                          | 1                                   |
|--|-------|------------|---------------------------|---|------------|---------------------|------------------------|------------|--------------------------|--------------------------|--------------------------|-------------------------------------|
|  | Overe | xertion    | -                         | Expo-<br>sure                                       |            | ortation<br>dents   |                        | A          | ssaults and              | d violent ac             | cts                      | -                                   |
|  |       |            |                           | to  | duur       |                     | Fires                  |            |                          | All other                | assaults                 |                                     |
| Industry <sup>3</sup>  | Total | In lifting | Repeti-<br>tive<br>motion | harmful<br>sub-<br>stance<br>or<br>environ-<br>ment | Total      | Highway<br>accident | and<br>explo-<br>sions | Total      | Assaults<br>by<br>person | All<br>other<br>assaults | Assaults<br>by<br>animal | All<br>other<br>events <sup>t</sup> |
| Confectionery manufacturing from purchased   |       |            |                           |   |            |                     |                        |            |                          |                          |                          |                                     |
| chocolate  | 14.0  | 9.3        | 4.7                       | 4.7   | _          | -                   | -                      | -          |                          | -                        | -                        | 9.3                                 |
| Nonchocolate confectionery manufacturing<br>Fruit and vegetable preserving and specialty           | 26.1  | 8.7        | -                         | 8.7   | -          | -                   | -                      | -          | -                        | -                        | -                        | 17.4                                |
| food manufacturing   | 16.6  | 8.5        | 3.6                       | 6.9   | 2.0        | _                   | _                      | _          | l _                      | _                        | _                        | 11.                                 |
| Frozen food manufacturing<br>Frozen fruit, juice, and vegetable                                    | 17.1  | 9.8        | 2.4                       | 5.7   | 2.4        | -                   | -                      | -          | -                        | -                        | -                        | 12.                                 |
|  | 13.2  | 7.5        | 3.8                       | 5.7   | 3.8        | _                   |                        |            | _                        |                          | _                        | 9.                                  |
| manufacturing<br>Frozen specialty food manufacturing<br>Fruit and vegetable canning, pickling, and | 20.0  | 11.4       | - 3.0                     | 5.7   | -          | -                   | -                      | _          | _                        | -                        | -                        | 9.<br>14.                           |
|  | 16.3  | 7.3        | 4.1                       | 8.9   | 2.4        | _                   |                        |            | _                        |                          | _                        | 9.                                  |
| drying<br>Fruit and vegetable canning  | 15.3  | 6.1        | 4.1                       | 9.2   | 2.4        | _                   | _                      | _          | -                        | _                        | _                        | 10.                                 |
|  |       | - 0.1      | 4.1                       | 9.2   | 2.0        |                     | _                      |            |                          | _                        | _                        | 10                                  |
| Specialty canning  | 20.0  | _          | _                         | _   | _          | _                   | -                      | _          |                          | _                        |                          |                                     |
| Dried and dehydrated food manufacturing  | 18.8  |            |                           |   |            |                     | -                      | -          | -                        | -                        | -                        | 12                                  |
| Dairy product manufacturing  | 23.1  | 11.1       | 3.6                       | 8.1   | 3.6        | 2.5                 | _                      | -          | -                        | -                        | -                        | 12                                  |
| Dairy product (except frozen) manufacturing  | 22.9  | 10.8       | 4.1                       | 8.3   | 3.8        | 2.9                 | -                      | -          |                          | -                        | -                        | 12                                  |
| Fluid milk manufacturing   | 24.4  | 9.8        | 3.1                       | 5.2   | 5.2        | 4.1                 | -                      | -          |                          | -                        | -                        | 11.                                 |
| Cheese manufacturing   | 20.8  | 12.5       | 6.2                       | 12.5  | 2.1        | -                   | -                      | -          | -                        | -                        | -                        | 14.                                 |
| Dry, condensed, and evaporated dairy   |       |            |                           |   |            |                     |                        |            |                          |                          |                          |                                     |
| product manufacturing  | 20.0  | 10.0       | -                         | 15.0  | -          | -                   | -                      | -          | -                        | -                        | -                        | 10                                  |
| Ice cream and frozen dessert manufacturing   | 25.0  | 13.6       | -                         | 6.8   | -          | -                   | -                      | -          | -                        | -                        | -                        | 13                                  |
| Animal slaughtering and processing   | 16.3  | 7.7        | 10.8                      | 7.8   | 2.5        | .5                  | -                      | 0.8        | 0.3                      | 0.5                      | 0.3                      | 8                                   |
| Animal slaughtering and processing   | 16.3  | 7.7        | 10.8                      | 7.8   | 2.5        | .5                  | -                      | .8         | .3                       | .5                       | .3                       | 8                                   |
| Animal (except poultry) slaughtering   | 14.6  | 6.0        | 12.9                      | 7.3   | 2.1        | -                   | -                      | 1.3        |                          | .9                       | .9                       | 10                                  |
| Meat processed from carcasses  | 19.6  | 8.5        | 7.5                       | 6.5   | 3.0        | -                   | -                      | -          |                          | -                        | -                        | 8                                   |
| Rendering and meat byproduct processing  | 7.7   | -          | -                         | 15.4  | -          | -                   | -                      | -          | -                        | -                        | -                        | 15                                  |
| Poultry processing   | 15.6  | 8.9        | 12.8                      | 9.4   | 2.2        | 1.1                 | -                      | -          |                          | -                        | -                        | 6                                   |
| Seafood product preparation and packaging  | 21.1  | 9.4        | 6.2                       | 5.5   | 5.5        | 2.3                 | -                      | -          | -                        | -                        | -                        | 5                                   |
| Seafood product preparation and packaging  | 21.1  | 9.4        | 6.2                       | 5.5   | 5.5        | 2.3                 | -                      | -          | -                        | -                        | -                        | 5                                   |
| Seafood canning  | 16.7  | -          | 8.3                       | 8.3   | 8.3        | -                   | -                      | -          | -                        | -                        | -                        | 8                                   |
| Fresh and frozen seafood processing  | 23.1  | 10.6       | 5.8                       | 4.8   | 4.8        | 2.9                 | -                      | -          | -                        | -                        | -                        | 4                                   |
| Bakeries and tortilla manufacturing  | 19.4  | 9.6        | 4.1                       | 2.9   | 1.7        | 1.0                 | -                      | -          | -                        | -                        | -                        | 8                                   |
| Bread and bakery product manufacturing   | 19.5  | 9.4        | 3.5                       | 2.7   | 1.5        | .9                  | -                      | -          | -                        | -                        | -                        | 9                                   |
| Retail bakeries  | 6.0   | 4.5        |                           | -   | _          | -                   | -                      | -          |                          | -                        | -                        | 6                                   |
| Commercial bakeries  | 23.0  | 10.3       | 4.4                       | 3.2   | 1.6        | 1.2                 | -                      | -          |                          | -                        | -                        | 10                                  |
| Frozen cakes, pies, and other pastries   |       |            |                           |   |            |                     |                        |            |                          |                          |                          |                                     |
| manufacturing  | 20.0  | 10.0       |                           | -   | -          | _                   | -                      | -          |                          | -                        | -                        | -                                   |
| Cookie, cracker, and pasta manufacturing   | 22.2  | 11.1       | 6.3                       | 4.8   | -          | _                   | -                      | -          |                          | -                        | -                        | 6                                   |
| Cookie and cracker manufacturing   | 25.0  | 13.9       | 8.3                       | -   | _          | -                   | -                      | _          | -                        | _                        | -                        | _                                   |
| Flour mixes and dough manufacturing from   |       |            |                           |   |            |                     |                        |            |                          |                          |                          |                                     |
| purchased flour  | 25.0  | 10.0       | -                         |   | _          |                     | _                      | -          | -                        | _                        | -                        | 10                                  |
| Dry pasta manufacturing  |       | _          | _                         | 25.0  | _          | _                   | _                      | _          | l _                      | _                        | _                        |                                     |

|  |                            |                |       | Perce                  | ent of indu                 | stry case to  | otal involvi                 | ng —                        |  |
|--|----------------------------|----------------|-------|------------------------|-----------------------------|---|------------------------------|-----------------------------|--|
|  |                            |                |       | Contact w              | vith objects                | ;   |                              |                             |  |
| Industry <sup>3</sup>                          | NAICS<br>code <sup>4</sup> | Total<br>cases | Total | Struck<br>by<br>object | Struck<br>against<br>object | Caught<br>in or<br>com-<br>pressed<br>or<br>crushed | Fall<br>to<br>lower<br>level | Fall<br>on<br>same<br>level | Slips<br>or<br>trips<br>without<br>fall <sup>5</sup> |
| Tortilla manufacturing                         | 31183                      | 160            | 56.2  | _                      | 25.0                        | 25.0  | _                            | _                           | _  |
| Other food manufacturing                       | 3119                       | 2,470          | 38.1  | 16.6                   | 6.5                         | 9.7   | 6.1                          | 14.6                        | 2.0  |
| Snack food manufacturing                       | 31191                      | 590            | 27.1  | 11.9                   | 8.5                         | 5.1   | 8.5                          | 22.0                        | 3.4  |
| Roasted nuts and peanut butter                 | 51151                      | 550            | 27.1  | 11.5                   | 0.5                         | 5.1   | 0.5                          | 22.0                        | 5.4  |
| manufacturing                                  | 311911                     | 180            | 33.3  | _                      | 16.7                        | _   | _                            | 16.7                        | _  |
| Other snack food manufacturing                 | 311919                     | 410            | 24.4  | 12.2                   | 10.7                        | 4.9   | 9.8                          | 24.4                        | _  |
|  | 311919                     | 290            | 62.1  | 6.9                    | 6.9                         | 17.2  | 6.9                          |                             | _  |
| Coffee and tea manufacturing                   | 31192                      | 290            | 62.1  | 6.9                    | 6.9                         | 17.2  | 0.9                          | -                           | _  |
| Flavoring syrup and concentrate                | 24402                      | 400            | 407   |                        |                             |   |                              | 25.0                        |  |
| manufacturing                                  | 31193                      | 120            | 16.7  | -                      | -                           | -   |                              | 25.0                        | -  |
| Seasoning and dressing manufacturing           | 31194                      | 520            | 53.8  | 32.7                   | 5.8                         | 13.5  | 7.7                          | 5.8                         | -  |
| Mayonnaise, dressing, and other prepared       |                            |                | 05.4  | 50.0                   |                             |   |                              |                             |  |
| sauce manufacturing                            | 311941                     | 260            | 65.4  | 53.8                   |                             | -   | 7.7                          |                             | -  |
| Spice and extract manufacturing                | 311942                     | 260            | 42.3  | 11.5                   | 7.7                         | 23.1  | 7.7                          | 7.7                         | -  |
| All other food manufacturing                   | 31199                      | 960            | 31.2  | 15.6                   | 7.3                         | 8.3   | 4.2                          | 17.7                        | -  |
| Perishable prepared food manufacturing         | 311991                     | 670            | 35.8  | 17.9                   | 7.5                         | 9.0   | 4.5                          | 17.9                        | -  |
| All other miscellaneous food manufacturing     | 311999                     | 290            | 24.1  | 10.3                   | 6.9                         | 6.9   | -                            | 13.8                        | -  |
| Beverage and tobacco product manufacturing     | 312                        | 4,210          | 24.7  | 9.3                    | 6.9                         | 6.9   | 3.8                          | 12.4                        | 4.0  |
| Beverage manufacturing                         | 3121                       | 3,930          | 23.7  | 9.2                    | 6.6                         | 6.4   | 3.8                          | 13.0                        | 4.3  |
| Soft drink and ice manufacturing               | 31211                      | 3,170          | 23.7  | 8.8                    | 6.9                         | 6.3   | 3.8                          | 11.7                        | 4.1  |
| Soft drink manufacturing                       | 312111                     | 2,680          | 23.5  | 9.3                    | 6.7                         | 6.3   | 3.4                          | 10.1                        | 4.5  |
| Bottled water manufacturing                    | 312112                     | 390            | 25.6  | 7.7                    | 10.3                        | 5.1   | 5.1                          | 12.8                        | -  |
| Ice manufacturing                              | 312113                     | 110            | 18.2  | -                      | -                           | -   | -                            | 45.5                        | -  |
| Breweries                                      | 31212                      | 230            | 26.1  | 8.7                    | -                           | 13.0  | 8.7                          | 21.7                        | -  |
| Wineries                                       | 31213                      | 430            | 20.9  | 14.0                   | _                           | 4.7   | -                            | 16.3                        | 7.0  |
| Distilleries                                   | 31214                      | 100            | 30.0  | _                      | _                           | -   | -                            | 20.0                        | _  |
| Tobacco manufacturing                          | 3122                       | 270            | 37.0  | 11.1                   | 11.1                        | 14.8  | _                            | _                           | _  |
| Tobacco stemming and redrying                  | 31221                      | 50             | 40.0  | _                      | _                           | -   | _                            | -                           | _  |
| Tobacco product manufacturing                  | 31222                      | 220            | 36.4  | _                      | 9.1                         | 13.6  | -                            | -                           | _  |
| Cigarette manufacturing                        | 312221                     | 170            | 35.3  | _                      | _                           | 11.8  | _                            | -                           | _  |
| Other tobacco product manufacturing            | 312229                     | 60             | 50.0  | _                      | _                           | _   | _                            | _                           | _  |
| Textile mills                                  | 313                        | 1,580          | 39.9  | 13.9                   | 7.6                         | 16.5  | 2.5                          | 10.8                        | 3.8  |
| Fiber, yarn, and thread mills                  | 3131                       | 230            | 34.8  | 13.0                   | _                           | 17.4  | _                            | 13.0                        | _  |
| Fiber, yarn, and thread mills                  | 31311                      | 230            | 34.8  | 13.0                   | _                           | 17.4  | _                            | 13.0                        | _  |
| Yarn spinning mills                            | 313111                     | 120            | 41.7  | _                      | _                           | 16.7  | _                            | _                           | _  |
| Yarn texturizing, throwing, and twisting mills | 313112                     | 90             | 33.3  | -                      | _                           | _   | _                            | _                           | _  |
| Thread mills                                   | 313113                     | 20             | -     | _                      | _                           | _   | _                            | _                           | _  |
| Fabric mills                                   | 3132                       | 740            | 44.6  | 13.5                   | 8.1                         | 20.3  | 2.7                          | 9.5                         | 2.7  |
| Broadwoven fabric mills                        | 31321                      | 330            | 48.5  | 12.1                   | 9.1                         | 24.2  |                              | 6.1                         |  |
| Narrow fabric mills and schiffli machine       | 0.021                      | 000            | -0.0  | 12.1                   | 0.1                         | 27.2  |                              | 0.1                         |  |
| embroidery                                     | 31322                      | 110            | 36.4  | _                      | _                           | 18.2  | _                            | 18.2                        | _  |
| Narrow fabric mills                            | 313221                     | 110            | 36.4  |                        | _                           | 18.2  | _                            | 18.2                        |  |
| Nonwoven fabric mills                          | 31323                      | 140            | 36.4  | _                      | _                           | 21.4  | _                            | 14.3                        | _  |
|  | 51525                      | 140            | 55.7  | _                      | _                           | 21.4  | _                            | 14.5                        |  |

|  |       |            |                           |   | Percent of | f industry ca       | ase total ir           | volving — | -                        |                          |                          |                                       |
|--|-------|------------|---------------------------|---|------------|---------------------|------------------------|-----------|--------------------------|--------------------------|--------------------------|---------------------------------------|
|  | Overe | exertion   |                           | Expo-<br>sure                                       |            | ortation<br>dents   |                        | A         | ssaults and              | d violent ad             | cts                      |                                       |
|  |       |            |                           | to  | acci       |                     | Fires                  |           |                          | All other                | assaults                 |                                       |
| Industry <sup>3</sup>                          | Total | In lifting | Repeti-<br>tive<br>motion | harmful<br>sub-<br>stance<br>or<br>environ-<br>ment | Total      | Highway<br>accident | and<br>explo-<br>sions | Total     | Assaults<br>by<br>person | All<br>other<br>assaults | Assaults<br>by<br>animal | All<br>other<br>events <sup>5,6</sup> |
| Tortilla manufacturing                         | _     | _          | _                         | _   | _          | _                   | _                      | _         | _                        | _                        | _                        | _                                     |
| Other food manufacturing                       | 19.0  | 10.9       | 3.6                       | 7.3   | 2.4        | 0.8                 | _                      | 0.8       | _                        | _                        | _                        | 6.5                                   |
| Snack food manufacturing                       | 16.9  | 10.2       | 6.8                       | 8.5   |            |                     | _                      |           | _                        | _                        | _                        | 6.8                                   |
| Roasted nuts and peanut butter                 | 10.0  | 10.2       | 0.0                       | 0.0   |            |                     |                        |           |                          |                          |                          | 0.0                                   |
| manufacturing                                  | 16.7  | _          | _                         | 11.1  | _          | _                   | _                      | _         | _                        | _                        | _                        | 11.1                                  |
| Other snack food manufacturing                 | 19.5  | 12.2       | 9.8                       | 4.9   | _          | _                   | _                      | _         | _                        | _                        | _                        | 4.9                                   |
| Coffee and tea manufacturing                   |       | 10.3       | - 3.0                     | - 4.5   |            |                     | _                      |           |                          |                          | _                        | 4.5                                   |
| Flavoring syrup and concentrate                | 13.0  | 10.5       | _                         |   | _          | _                   | _                      | _         |                          | _                        | _                        | _                                     |
| manufacturing                                  | 16.7  |            |                           | 25.0  |            |                     |                        |           |                          |                          |                          |                                       |
| Seasoning and dressing manufacturing           | 9.6   | 5.8        | _                         | 7.7   |            | _                   | _                      | 3.8       | _                        | _                        | _                        | 5.8                                   |
|  | 9.0   | 5.0        | -                         | 1.1   | _          | _                   | _                      | 3.0       | -                        | _                        | _                        | 5.0                                   |
| Mayonnaise, dressing, and other prepared       | 77    |            |                           | 77  |            |                     |                        | _         |                          |                          |                          | 77                                    |
| sauce manufacturing                            | 7.7   |            | -                         | 7.7   | -          | -                   | _                      |           | -                        | _                        | _                        | 7.7                                   |
| Spice and extract manufacturing                | 11.5  | 7.7        | -                         | 7.7   | -          | -                   | -                      | 7.7       | -                        | -                        | -                        | -                                     |
| All other food manufacturing                   | 26.0  | 14.6       | 4.2                       | 5.2   | 2.1        | -                   | -                      | -         |                          | -                        | -                        | 6.2                                   |
| Perishable prepared food manufacturing         | 22.4  | 9.0        | 4.5                       | 4.5   | 3.0        | -                   | -                      | -         |                          | -                        | -                        | 6.0                                   |
| All other miscellaneous food manufacturing     | 34.5  | 27.6       | -                         | 6.9   | -          | _                   | -                      |           |                          | -                        | -                        | 10.3                                  |
| Beverage and tobacco product manufacturing     | 29.9  | 15.4       | 3.3                       | 2.9   | 5.9        | 2.4                 | -                      | .5        | -                        | -                        | -                        | 12.4                                  |
| Beverage manufacturing                         | 31.0  | 16.0       | 3.3                       | 2.8   | 6.1        | 2.5                 | -                      | .5        | -                        | -                        | -                        | 11.5                                  |
| Soft drink and ice manufacturing               | 33.8  | 17.7       | 3.5                       | 2.2   | 6.3        | 2.8                 | -                      | -         | -                        | -                        | -                        | 10.4                                  |
| Soft drink manufacturing                       | 35.4  | 19.0       | 3.0                       | 1.9   | 6.7        | 3.0                 | -                      | -         | -                        | -                        | -                        | 10.8                                  |
| Bottled water manufacturing                    | 30.8  | 10.3       | 7.7                       | -   | 5.1        | -                   | -                      | -         | -                        | -                        | -                        | 10.3                                  |
| Ice manufacturing                              | -     | -          | -                         | -   | -          | -                   | -                      | -         |                          | -                        | -                        | -                                     |
| Breweries                                      | 26.1  | 13.0       | -                         | -   | -          | -                   | -                      | -         | -                        | -                        | -                        | -                                     |
| Wineries                                       | 14.0  | 7.0        | -                         | 7.0   | 4.7        | -                   | -                      | -         |                          | -                        | -                        | 23.3                                  |
| Distilleries                                   | 30.0  | 20.0       | -                         | -   | -          | -                   | -                      | -         |                          | -                        | -                        | -                                     |
| Tobacco manufacturing                          |       | 7.4        | 7.4                       | -   | -          | -                   | _                      | -         |                          | _                        | -                        | 22.2                                  |
| Tobacco stemming and redrying                  | - 1   | -          | _                         | -   | -          | -                   | _                      | -         | -                        | _                        | -                        | _                                     |
| Tobacco product manufacturing                  | 18.2  | -          | 9.1                       | -   | -          | -                   | _                      | -         | -                        | _                        | -                        | 27.3                                  |
| Cigarette manufacturing                        | 17.6  | -          | 11.8                      | -   | _          | -                   | _                      | -         | -                        | _                        | _                        | 29.4                                  |
| Other tobacco product manufacturing            | _     | _          | _                         | -   | _          | _                   | _                      | _         | -                        | _                        | _                        | _                                     |
| Textile mills                                  | 23.4  | 9.5        | 3.8                       | 4.4   | 1.3        | _                   | _                      | _         | _                        | _                        | _                        | 10.8                                  |
| Fiber, yarn, and thread mills                  | -     | _          | 8.7                       | _   | _          | _                   | _                      | _         | _                        | _                        | _                        | 17.4                                  |
| Fiber, yarn, and thread mills                  | 13.0  | _          | 8.7                       | _   | _          | _                   | _                      | _         | _                        | _                        | _                        | 17.4                                  |
| Yarn spinning mills                            | _     | _          | 16.7                      | _   | _          | _                   | _                      | _         | _                        | _                        | _                        | 16.7                                  |
| Yarn texturizing, throwing, and twisting mills | _     | _          | _                         | _   | _          | _                   | _                      | _         | _                        | _                        | _                        | 22.2                                  |
| Thread mills                                   | _     | _          | _                         | _   | _          | _                   | _                      | _         | _                        | _                        | _                        |                                       |
| Fabric mills                                   | 25.7  | 10.8       | 4.1                       | _   | _          | _                   | _                      | _         | _                        | _                        | _                        | 8.1                                   |
| Broadwoven fabric mills                        | 33.3  | 15.2       |                           | _   | _          | _                   | _                      | _         | _                        | _                        | _                        |                                       |
| Narrow fabric mills and schiffli machine       | 00.0  | .0.2       |                           |   |            |                     |                        |           |                          |                          |                          |                                       |
| embroidery                                     | 27.3  | _          | _                         | _   | _          | _                   | _                      | _         | _                        | _                        | _                        | _                                     |
| Narrow fabric mills                            | 27.3  | _          |                           |   | _          | _                   |                        |           |                          |                          | _                        |                                       |
| Nonwoven fabric mills                          | 27.3  | 14.3       |                           |   |            |                     |                        |           |                          |                          | _                        | 14.3                                  |
|  | 21.4  | 14.5       | -                         | -   | _          | _                   | _                      | _         | -                        | _                        | _                        | 14.5                                  |

|  |                            |                   |                      | Perce                  | ent of indu                 | stry case to  | otal involvi                 | ng —                        |  |
|--|----------------------------|-------------------|----------------------|------------------------|-----------------------------|---|------------------------------|-----------------------------|--|
|  |                            |                   |                      | Contact w              | ith objects                 |   |                              |                             |  |
| Industry <sup>3</sup>  | NAICS<br>code <sup>4</sup> | Total<br>cases    | Total                | Struck<br>by<br>object | Struck<br>against<br>object | Caught<br>in or<br>com-<br>pressed<br>or<br>crushed | Fall<br>to<br>lower<br>level | Fall<br>on<br>same<br>level | Slips<br>or<br>trips<br>without<br>fall <sup>5</sup> |
| Knit fabric mills<br>Weft knit fabric mills<br>Other knit fabric and lace mills                                    | 31324<br>313241<br>313249  | 160<br>90<br>60   | 43.8<br>55.6<br>50.0 | 25.0<br>33.3<br>-      | -<br>-<br>-                 | 12.5<br>-<br>-                                      | -<br>-<br>-                  | 12.5<br>-<br>-              | _<br>_<br>_  |
| Textile and fabric finishing and fabric coating<br>mills<br>Textile and fabric finishing mills                     | 3133<br>31331              | 610<br>460        | 36.1<br>32.6         | 14.8<br>13.0           | 8.2<br>8.7                  | 11.5<br>8.7   |                              | 11.5<br>10.9                | 4.9<br>4.3   |
| Broadwoven fabric finishing mills<br>Textile and fabric finishing (except<br>broadwoven fabric) mills              | 313311<br>313312           | 240<br>210        | 29.2<br>38.1         | 12.5<br>14.3           | -<br>14.3                   | 8.3<br>9.5  | -                            | 12.5<br>9.5                 | -<br>9.5   |
| Fabric coating mills<br>Textile product mills  | 31332<br>314               | 160<br>1,330      | 37.5<br>35.3         | 12.5<br>11.3           | - 7.5                       | 18.8<br>15.0  | _<br>2.3                     | 12.5<br>9.0                 | -<br>3.0   |
| Textile furnishings mills<br>Carpet and rug mills<br>Curtain and linen mills                                       | 3141<br>31411<br>31412     | 580<br>240<br>340 | 37.9<br>33.3<br>41.2 | 13.8<br>8.3<br>14.7    | 8.6<br>-<br>11.8            | 15.5<br>16.7<br>14.7                                | -<br>-<br>-                  | 8.6<br>8.3<br>8.8           |  |
| Curtain and drapery mills<br>Other household textile product mills   | 314121<br>314129           | 170<br>170        | 41.2<br>41.2<br>41.2 | 14.7<br>11.8<br>17.6   | 17.6                        | 14.7<br>11.8<br>17.6                                |                              | 11.8<br>11.8                |  |
| Other textile product mills<br>Textile bag and canvas mills  | 3149<br>31491<br>314911    | 750<br>420<br>50  | 33.3<br>28.6<br>40.0 | 10.7<br>9.5            | 8.0<br>9.5                  | 14.7<br>7.1   | 2.7<br>                      | 9.3<br>9.5                  | 5.3<br>9.5   |
| Textile bag mills<br>Canvas and related product mills<br>All other textile product mills                           | 314911<br>314912<br>31499  | 360<br>330        | 40.0<br>25.0<br>42.4 | -<br>8.3<br>12.1       | 8.3<br>–                    | 8.3<br>24.2   |                              | 8.3<br>9.1                  | -<br>11.1<br>-                                       |
| Rope, cordage, and twine mills<br>Tire cord and tire fabric mills<br>All other miscellaneous textile product mills | 314991<br>314992<br>314999 | 60<br>20<br>250   | 50.0<br>-<br>40.0    | -<br>-<br>12.0         | _<br>_<br>_                 | 33.3<br>-<br>24.0                                   | -<br>-<br>-                  | -<br>-<br>8.0               |  |
| Apparel manufacturing  | 315<br>3151                | 1,340<br>290      | 28.4<br>27.6         | 10.4                   | 8.2<br>10.3                 | 7.5   | 1.5<br>–                     | 9.7<br>–                    | 2.2<br>–   |
| Hosiery and sock mills<br>Sheer hosiery mills  |                            | 170<br>70<br>110  | 17.6<br>_<br>18.2    | -<br>-<br>-            |                             |   |                              |                             |  |
| Other hosiery and sock mills<br>Other apparel knitting mills<br>Outerwear knitting mills                           | 31519<br>31519<br>315191   | 120<br>60         | 41.7                 |                        | 25.0<br>-                   |   | -                            | -                           |  |
| Underwear and nightwear knitting mills<br>Cut and sew apparel manufacturing  | 315192<br>3152             | 60<br>890         | 66.7<br>27.0         | -<br>11.2              | 50.0<br>6.7                 | - 5.6   | _<br>2.2                     | _<br>12.4                   | _<br>2.2   |
| Cut and sew apparel contractors<br>Men's and boys' cut and sew apparel<br>contractors                              | 31521<br>315211            | 150<br>50         | 40.0<br>40.0         | 13.3                   | _                           | 13.3  | _                            | _                           | _  |
| Women's, girls', and infants' cut and sew<br>apparel contractors   | 315212                     | 100               | 40.0                 | -                      | -                           | -   | -                            | -                           | -  |
| Men's and boys' cut and sew apparel<br>manufacturing<br>Men's and boys' cut and sew suit, coat, and                | 31522                      | 440               | 22.7                 | 6.8                    | 9.1                         | 4.5   | -                            | 15.9                        | -  |
| overcoat manufacturing   | 315222                     | 220               | 22.7                 | -                      | 13.6                        | -   | -                            | 22.7                        | -  |

|   |              |            |                           |   | Percento | f industry ca       | ase lotal in           | ivolving – | -                        |                          |                          |                                       |
|---|--------------|------------|---------------------------|---|----------|---------------------|------------------------|------------|--------------------------|--------------------------|--------------------------|---------------------------------------|
|   | Overe        | exertion   | -                         | Expo-<br>sure                                       |          | oortation<br>dents  |                        | A          | ssaults and              | d violent ad             | cts                      | -                                     |
|   |              |            | Deneti                    | to  |          |                     | Fires                  |            |                          | All other                | assaults                 |                                       |
| Industry <sup>3</sup>   | Total        | In lifting | Repeti-<br>tive<br>motion | harmful<br>sub-<br>stance<br>or<br>environ-<br>ment | Total    | Highway<br>accident | and<br>explo-<br>sions | Total      | Assaults<br>by<br>person | All<br>other<br>assaults | Assaults<br>by<br>animal | All<br>other<br>events <sup>5,6</sup> |
| Knit fabric mills   | 18.8         | _          | _                         | _   | _        | _                   | _                      | _          | _                        | _                        | _                        | _                                     |
| Weft knit fabric mills  | 22.2         | _          | _                         | _   | _        | _                   | _                      | _          | _                        | _                        | _                        | _                                     |
| Other knit fabric and lace mills  |              | _          | _                         | _   | _        | _                   | _                      | _          | _                        | _                        | _                        | _                                     |
| Textile and fabric finishing and fabric coating                           |              |            |                           |   |          |                     |                        |            |                          |                          |                          |                                       |
| mills   | 24.6         | 9.8        | _                         | 8.2   | _        | _                   |                        |            |                          |                          | _                        | 11.5                                  |
| Textile and fabric finishing mills  | 24.6         | 9.8<br>6.5 | _                         | 8.7   | _        | -                   | -                      | -          |                          | _                        | -                        | 13.0                                  |
|   |              |            | _                         | -   | _        | _                   | -                      | -          |                          | -                        | _                        |                                       |
| Broadwoven fabric finishing mills<br>Textile and fabric finishing (except | 29.2         | 12.5       | _                         | 8.3   | _        | _                   | _                      | _          | _                        | _                        | _                        | 8.3                                   |
| broadwoven fabric) mills  | 14.3         | -          | -                         | 9.5   | -        | -                   | -                      | -          | -                        | -                        | -                        | 19.0                                  |
| Fabric coating mills  | 31.2         | 18.8       | -                         | -   | -        | -                   | -                      | -          | -                        | _                        | -                        | -                                     |
| Textile product mills   | 22.6         | 13.5       | 10.5                      | 4.5   | 2.3      | _                   | -                      | _          | -                        | -                        | -                        | 9.0                                   |
| Textile furnishings mills   | 19.0         | 8.6        | 12.1                      | -   | 3.4      | -                   | -                      | -          | -                        | _                        | -                        | 13.8                                  |
| Carpet and rug mills  | 16.7         | 8.3        | 8.3                       | -   | 8.3      | _                   | _                      | _          | _                        | _                        | _                        | 12.5                                  |
| Curtain and linen mills   |              | 5.9        | 11.8                      | _   | _        | _                   | _                      | _          | _                        | _                        | _                        | 11.8                                  |
| Curtain and drapery mills   | 23.5         | _          | 11.8                      | _   | _        | _                   | _                      | _          | _                        | _                        | _                        | 11.8                                  |
| Other household textile product mills                                     | 17.6         | _          | 17.6                      | _   | _        | _                   | _                      | _          | _                        | _                        | _                        | 11.8                                  |
| Other textile product mills   | 25.3         | 17.3       | 9.3                       | 6.7   | _        | _                   | _                      |            | _                        | _                        | _                        | 5.3                                   |
| Textile bag and canvas mills  | 23.3<br>31.0 | 26.2       | 9.5                       | 0.7   | _        |                     | _                      |            | _                        | _                        |                          | 7.1                                   |
|   | - 31.0       | 20.2       | 9.5                       |   | _        | _                   | _                      |            | _                        | _                        | _                        |                                       |
| Textile bag mills   |              |            |                           |   | _        | _                   | _                      | -          | -                        | _                        |                          |                                       |
| Canvas and related product mills  |              | 27.8       | 11.1                      |   | -        | -                   | -                      | -          | -                        | -                        | -                        | 5.6                                   |
| All other textile product mills   | 18.2         | 6.1        | 9.1                       | 12.1  | -        | -                   | -                      | -          | -                        | _                        | -                        | 6.1                                   |
| Rope, cordage, and twine mills  | -            | -          | -                         | -   | -        | -                   | -                      | -          | -                        | -                        | -                        | -                                     |
| Tire cord and tire fabric mills   | -            | -          | -                         | -   | -        | -                   | -                      | -          | -                        | -                        | -                        | -                                     |
| All other miscellaneous textile product mills                             | 16.0         | -          | 12.0                      | 16.0  | -        | -                   | -                      | -          | -                        | -                        | -                        | -                                     |
| Apparel manufacturing   | 18.7         | 11.2       | 18.7                      | 3.7   | -        | -                   | -                      | -          | -                        | -                        | -                        | 16.4                                  |
| Apparel knitting mills  | 17.2         | 6.9        | 31.0                      | -   | -        | -                   | -                      | -          | -                        | _                        | -                        | 13.8                                  |
| Hosiery and sock mills  | 23.5         | -          | 41.2                      | -   | -        | _                   | -                      | _          | -                        | -                        | -                        | 11.8                                  |
| Sheer hosiery mills   | 28.6         | -          | 42.9                      | -   | _        | -                   | _                      | -          | _                        | _                        | -                        | _                                     |
| Other hosiery and sock mills  | 18.2         | _          | 36.4                      | -   | _        | _                   | -                      | _          | _                        | _                        | -                        | _                                     |
| Other apparel knitting mills  | _            | _          | 16.7                      | _   | _        | _                   | _                      | _          | _                        | _                        | _                        | 25.0                                  |
| Outerwear knitting mills  | _            | _          | 33.3                      | _   | _        | _                   | _                      | _          | _                        | _                        | _                        |                                       |
| Underwear and nightwear knitting mills                                    | _            | _          |                           | _   | _        | _                   | _                      | _          | _                        | _                        | _                        | _                                     |
| Cut and sew apparel manufacturing   | 19.1         | 12.4       | 15.7                      | 4.5   | _        | _                   | _                      | _          | _                        | _                        | _                        | 16.9                                  |
|   | -            | 12.4       | 13.3                      | 4.5   | _        | -                   | -                      | _          | _                        | -                        |                          | 13.3                                  |
| Cut and sew apparel contractors   | 13.3         | -          | 13.3                      |   | _        | -                   | -                      | -          |                          | -                        | -                        | 13.3                                  |
| Men's and boys' cut and sew apparel                                       |              |            |                           |   |          |                     |                        |            |                          |                          |                          |                                       |
| contractors   | -            | -          | -                         |   | -        | -                   | -                      | -          | -                        | -                        | -                        | -                                     |
| Women's, girls', and infants' cut and sew                                 |              |            |                           |   |          |                     |                        |            |                          |                          |                          |                                       |
| apparel contractors   | -            | -          |                           | -   | -        | -                   | -                      | -          |                          | -                        | -                        | -                                     |
| Men's and boys' cut and sew apparel                                       |              |            |                           |   |          |                     |                        |            |                          |                          |                          |                                       |
| manufacturing   | 22.7         | 11.4       | 15.9                      | -   | -        | -                   | -                      | -          | -                        | -                        | -                        | 13.6                                  |
| Men's and boys' cut and sew suit, coat, and                               |              |            |                           |   |          |                     |                        |            |                          |                          |                          |                                       |
| overcoat manufacturing  | 18.2         | _          | 13.6                      | _   | _        | _                   | _                      | _          | L _                      | _                        | _                        | 13.6                                  |

|  |                            |                |              | Perce                  | ent of indu                 | stry case to  | otal involvi                 | ng —                        |  |
|--|----------------------------|----------------|--------------|------------------------|-----------------------------|---|------------------------------|-----------------------------|--|
|  |                            |                |              | Contact w              | ith objects                 |   |                              |                             |  |
| Industry <sup>3</sup>  | NAICS<br>code <sup>4</sup> | Total<br>cases | Total        | Struck<br>by<br>object | Struck<br>against<br>object | Caught<br>in or<br>com-<br>pressed<br>or<br>crushed | Fall<br>to<br>lower<br>level | Fall<br>on<br>same<br>level | Slips<br>or<br>trips<br>without<br>fall <sup>5</sup> |
| Men's and boys' cut and sew trouser, slack,                                      |                            |                |              |                        |                             |   |                              |                             |  |
| and jean manufacturing<br>Men's and boys' cut and sew work clothing              | 315224                     | 30             | -            | -                      | -                           | -   | -                            | -                           | -  |
| manufacturing  | 315225                     | 90             | 33.3         | 22.2                   | -                           | -   | -                            | -                           | -  |
| outerwear manufacturing  | 315228                     | 50             | -            | -                      | -                           | -   | -                            | -                           | -  |
| women's and girls' cut and sew suit, coat,                                       | 31523                      | 210            | 19.0         | 14.3                   | -                           | -   | -                            | -                           | -  |
| tailored jacket, and skirt manufacturing<br>Women's and girls' cut and sew other | 315234                     | 50             | -            | -                      | _                           | -   | -                            | 40.0                        | -  |
| outerwear manufacturing  | 315239                     | 60             | _            | _                      | _                           | _   | _                            | _                           | _  |
| Other cut and sew apparel manufacturing<br>All other cut and sew apparel         | 31529                      | 90             | 44.4         | 22.2                   | -                           | -   | -                            | -                           | -  |
| Apparel accessories and other apparel  | 315299                     | 90             | 44.4         | 22.2                   | -                           | -   | -                            | -                           | -  |
| manufacturing  | 3159                       | 160            | 37.5         | 18.8                   | -                           | 12.5  | -                            | -                           | -  |
| manufacturing<br>Hat, cap, and millinery manufacturing                           | 31599<br>315991            | 160<br>30      | 37.5         | 18.8                   | -                           | 12.5  | -                            | -                           | -  |
| Leather and allied product manufacturing   | 316                        | 470            | 29.8         | 17.0                   | _                           | 8.5   | _                            | 10.6                        | _  |
| Leather and hide tanning and finishing   | 3161                       | 140            | 35.7         | 21.4                   | _                           | - 0.5   | _                            | 28.6                        |  |
| Footwear manufacturing   | 3162                       | 220            | 31.8         | 18.2                   |                             |   |                              | 20.0                        |  |
| Footwear manufacturing<br>Rubber and plastics footwear                           | 31621                      | 220            | 31.8         | 18.2                   | -                           | -   | -                            | -                           | -  |
| Men's footwear (except athletic)   | 316211                     | 70             | 28.6         | -                      | -                           | -   | -                            | -                           | -  |
| manufacturing  | 316213                     | 80             | 37.5         | -                      | -                           | -   | -                            | -                           | -  |
| Women's footwear (except athletic)   | 216214                     | 20             |              |                        |                             |   |                              |                             |  |
| manufacturing<br>Other leather and allied product manufacturing                  | 316214<br>3169             | 30<br>120      | _<br>16.7    | -                      | _                           | -   | -                            | _                           | _  |
| Other leather and allied product   | 21600                      | 120            | 167          |                        |                             |   |                              |                             |  |
| manufacturing  | 31699                      | 120            | 16.7         | _                      |                             | _   | _                            | _                           | -  |
| Luggage manufacturing<br>All other leather good manufacturing                    | 316991<br>316999           | 90<br>20       | _            | -                      | _                           | -   | -                            | -                           | -  |
| Wood product manufacturing   | 316999                     | 20<br>11,430   | _<br>51.6    | 25.6                   | 8.1                         | 14.3  | 4.0                          | 7.0                         | 2.2  |
| Sawmills and wood preservation   | 321                        | 2,930          | 53.9         | 25.6                   | 6.1                         | 14.3  | 4.0<br>3.8                   | 6.5                         | 2.2  |
| Sawmills and wood preservation   | 3211                       | 2,930 2,930    | 53.9<br>53.9 | 28.7                   | 6.1                         | 16.4  | 3.8<br>3.8                   | 6.5                         | 2.0  |
| Sawmills   | 32111                      | 2,930          | 55.9<br>55.4 | 20.7                   | 6.2                         | 17.7  | 3.8                          | 6.5                         | 2.0  |
| Wood preservation  | 321113                     | 2,800          | 41.2         | 29.2                   | 5.9                         | 5.9   | 5.8<br>5.9                   | 5.9                         | 2.5  |
| Veneer, plywood, and engineered wood product                                     | 521114                     | 540            | 41.2         | 20.0                   | 5.9                         | 0.9   | 5.9                          | 5.9                         | -  |
| manufacturing  | 3212                       | 1,670          | 44.3         | 22.2                   | 6.6                         | 12.6  | 5.4                          | 8.4                         | 2.4  |

|  |              |            |                           |   | Percent of | f industry ca       | ase total ir           | volving – | -                        |                          |                          |                                       |
|--|--------------|------------|---------------------------|---|------------|---------------------|------------------------|-----------|--------------------------|--------------------------|--------------------------|---------------------------------------|
|  | Overe        | exertion   | -                         | Expo-<br>sure                                       |            | oortation<br>dents  |                        | А         | ssaults and              | d violent a              | cts                      | -                                     |
|  |              |            |                           | to  | acci       |                     | Fires                  |           |                          | All other                | assaults                 |                                       |
| Industry <sup>3</sup>  | Total        | In lifting | Repeti-<br>tive<br>motion | harmful<br>sub-<br>stance<br>or<br>environ-<br>ment | Total      | Highway<br>accident | and<br>explo-<br>sions | Total     | Assaults<br>by<br>person | All<br>other<br>assaults | Assaults<br>by<br>animal | All<br>other<br>events <sup>5,6</sup> |
| Men's and boys' cut and sew trouser, slack,<br>and jean manufacturing              | _            | _          | _                         | _   | _          | _                   | _                      | _         | _                        | _                        | _                        | _                                     |
| Men's and boys' cut and sew work clothing  |              |            |                           |   |            |                     |                        |           |                          |                          |                          |                                       |
| manufacturing<br>Men's and boys' cut and sew other                                 | 22.2         | -          | 22.2                      | -   | -          | -                   | -                      | -         | -                        | -                        | -                        | -                                     |
| outerwear manufacturing<br>Women's and girls' cut and sew apparel                  | 40.0         | -          | -                         | -   | -          | -                   | -                      | -         | -                        | -                        | -                        | -                                     |
| manufacturing<br>Women's and girls' cut and sew suit, coat,                        | 23.8         | 23.8       | 14.3                      | -   | -          | -                   | -                      | -         | -                        | -                        | -                        | 23.8                                  |
| tailored jacket, and skirt manufacturing<br>Women's and girls' cut and sew other   | _            | -          | -                         | -   | _          | -                   | _                      | -         | -                        | -                        | -                        | -                                     |
| outerwear manufacturing  | -            | -          | -                         | -   | -          | -                   | -                      | -         |                          | -                        | -                        | 66.7                                  |
| Other cut and sew apparel manufacturing<br>All other cut and sew apparel           | -            | -          | 22.2                      | -   | -          | -                   | _                      | -         | -                        | -                        | -                        | 22.2                                  |
| manufacturing<br>Apparel accessories and other apparel                             | -            | -          | 22.2                      | -   | -          | -                   | -                      | -         | -                        | -                        | -                        | 22.2                                  |
| manufacturing<br>Apparel accessories and other apparel                             | 18.8         | 12.5       | 12.5                      | -   | -          | -                   | _                      | -         | -                        | -                        | -                        | 18.8                                  |
| manufacturing<br>Hat, cap, and millinery manufacturing                             | 18.8<br>_    | 12.5       | 12.5                      | -   | -          | -                   | -                      | -         | -                        | -                        | -                        | 18.8                                  |
| Leather and allied product manufacturing   | 19.1         | 8.5        | 17.0                      | 4.3   | _          | _                   | _                      | _         | _                        | _                        | _                        | 17.0                                  |
| Leather and hide tanning and finishing   | 21.4         | _          | -                         | 14.3  | _          | _                   | _                      | _         | _                        | -                        | -                        | _                                     |
| Footwear manufacturing   | 27.3         | 13.6       | 27.3                      | -   | -          | -                   | -                      | -         | _                        | -                        | -                        | -                                     |
| Footwear manufacturing<br>Rubber and plastics footwear                             | 27.3         | 13.6       | 27.3                      | -   | -          | -                   | -                      | -         | -                        | -                        | -                        | -                                     |
| manufacturing<br>Men's footwear (except athletic)                                  | 28.6         | 28.6       | 42.9                      | -   | -          | -                   | -                      | -         | -                        | -                        | -                        | -                                     |
| manufacturing  | 25.0         | -          | 25.0                      | -   | -          | -                   | -                      | -         | -                        | -                        | -                        | -                                     |
| manufacturing  | _            | _          | _                         | -   | _          | _                   | _                      | -         | _                        | -                        | -                        | _                                     |
| Other leather and allied product manufacturing<br>Other leather and allied product | -            | -          | 16.7                      | -   | -          | -                   | -                      | -         | -                        | -                        | -                        | 58.3                                  |
| manufacturing  | _            | _          | 16.7                      | -   | _          | _                   | _                      | -         | _                        | -                        | -                        | 58.3                                  |
| Luggage manufacturing  | -            | -          | -                         | -   | -          | -                   | _                      | -         | -                        | -                        | -                        | 77.8                                  |
| All other leather good manufacturing   | -            | -          | -                         | -   | -          | -                   | -                      | -         | -                        | -                        | -                        | -                                     |
| Wood product manufacturing   | 20.0         | 10.0       | 3.1                       | 2.4   | 1.7        | 0.4                 | 0.3                    | 0.3       | 0.2                      | -                        | -                        | 7.3                                   |
| Sawmills and wood preservation   | 22.2         | 8.2        | 1.4                       | 2.0   | .7         | -                   | .7                     | -         | -                        | -                        | -                        | 6.8                                   |
| Sawmills and wood preservation   | 22.2         | 8.2        | 1.4                       | 2.0   | .7         | -                   | .7                     | -         | -                        | -                        | -                        | 6.8                                   |
| Sawmills   | 20.0         | 8.8        | 1.2                       | 1.9   | .8         | -                   | .8                     | -         | -                        | -                        | -                        | 6.9                                   |
| Wood preservation<br>Veneer, plywood, and engineered wood product                  | 35.3<br>22.8 | -          | -                         | -   | -          | _                   | _                      | _         | -                        | _                        | _                        | 5.9                                   |
| manufacturing  | 22.8         | 11.4       | 3.0                       | 1.2   | 3.0        | -                   | _                      |           | -                        | -                        | -                        | 9.6                                   |

|  |                            |                |              | Perce                  | ent of indu                 | stry case to  | otal involvi                 | ng —                        |  |
|--|----------------------------|----------------|--------------|------------------------|-----------------------------|---|------------------------------|-----------------------------|--|
|  |                            |                |              | Contact w              | vith objects                |   |                              |                             |  |
| Industry <sup>3</sup>                          | NAICS<br>code <sup>4</sup> | Total<br>cases | Total        | Struck<br>by<br>object | Struck<br>against<br>object | Caught<br>in or<br>com-<br>pressed<br>or<br>crushed | Fall<br>to<br>lower<br>level | Fall<br>on<br>same<br>level | Slips<br>or<br>trips<br>without<br>fall <sup>5</sup> |
| Veneer, plywood, and engineered wood           |                            |                |              |                        |                             |   |                              |                             |  |
| product manufacturing                          | 32121                      | 1,670          | 44.3         | 22.2                   | 6.6                         | 12.6  | 5.4                          | 8.4                         | 2.4  |
| Hardwood veneer and plywood                    |                            |                |              |                        |                             |   |                              |                             |  |
| manufacturing                                  | 321211                     | 330            | 36.4         | 18.2                   | 6.1                         | 9.1   | -                            | 12.1                        | 6.1  |
| Softwood veneer and plywood                    |                            |                |              |                        |                             |   |                              |                             |  |
| manufacturing                                  | 321212                     | 240            | 37.5         | 12.5                   | 8.3                         | 16.7  | 8.3                          | 8.3                         | -  |
| Engineered wood member (except truss)          |                            |                |              |                        |                             |   |                              |                             |  |
| _manufacturing                                 | 321213                     | 90             | 66.7         | 22.2                   | -                           | 33.3  | -                            | -                           | _  |
| Truss manufacturing                            | 321214                     | 850            | 47.1         | 27.1                   | 5.9                         | 10.6  | 5.9                          | 7.1                         | 2.4  |
| Reconstituted wood product manufacturing       | 321219                     | 160            | 37.5         | 18.8                   | -                           | 12.5  | -                            | -                           | _  |
| Other wood product manufacturing               | 3219<br>32191              | 6,830<br>2,530 | 52.6<br>43.5 | 25.2<br>17.8           | 9.4                         | 13.9  | 3.8                          | 6.9<br>6.3                  | 2.0<br>1.2   |
| Millwork<br>Wood window and door manufacturing | 32191                      | 2,550          | 43.5         | 17.0                   | 9.5<br>9.8                  | 13.0<br>8.9   | 3.6<br>3.6                   | 7.1                         | 1.2  |
| Cut stock, resawing lumber, and planing        | 321911                     | 350            | 40.2<br>37.1 | 14.3                   | 9.0<br>5.7                  | 14.3  | - 3.0                        | - 1.1                       | - 1.0  |
| Other millwork (including flooring)            | 321912                     | 1,050          | 49.5         | 14.3                   | 10.5                        | 14.3  | 3.8                          | 6.7                         | _  |
| Wood container and pallet manufacturing        | 321918                     | 2,020          | 68.8         | 32.7                   | 11.4                        | 20.3  | 1.0                          | 5.9                         | 2.5  |
| All other wood product manufacturing           | 32192                      | 2,020          | 48.7         | 26.8                   | 7.5                         | 8.8   | 6.6                          | 7.9                         | 3.1  |
| Manufactured home (mobile home)                | 52155                      | 2,200          | 40.7         | 20.0                   | 7.5                         | 0.0   | 0.0                          | 1.5                         | 5.1  |
| manufacturing                                  | 321991                     | 980            | 44.9         | 22.4                   | 10.2                        | 7.1   | 8.2                          | 11.2                        | 4.1  |
| Prefabricated wood building manufacturing      | 321992                     | 690            | 42.0         | 34.8                   | - 10.2                      | 4.3   | 5.8                          | 7.2                         | -  |
| All other miscellaneous wood product           | 021002                     | 000            | 12.0         | 01.0                   |                             |   | 0.0                          |                             |  |
| manufacturing                                  | 321999                     | 610            | 60.7         | 23.0                   | 9.8                         | 16.4  | 4.9                          | 4.9                         | 3.3  |
| Paper manufacturing                            |                            | 5,340          | 39.1         | 11.6                   | 7.1                         | 18.9  | 3.7                          | 8.8                         | 2.6  |
| Pulp, paper, and paperboard mills              |                            | 1.610          | 32.9         | 11.2                   | 7.5                         | 11.8  | 5.0                          | 9.9                         | 3.7  |
| Pulp mills                                     |                            | 90             | 33.3         | _                      | _                           | _   | _                            | _                           | _  |
| Paper mills                                    | 32212                      | 1,170          | 30.8         | 11.1                   | 6.8                         | 12.0  | 4.3                          | 8.5                         | 4.3  |
| Paper (except newsprint) mills                 | 322121                     | 1,050          | 30.5         | 11.4                   | 6.7                         | 11.4  | 3.8                          | 8.6                         | 3.8  |
| Newsprint mills                                |                            | 120            | 33.3         | _                      | _                           | _   | _                            | _                           | -  |
| Paperboard mills                               | 32213                      | 350            | 37.1         | 11.4                   | 11.4                        | 14.3  | 8.6                          | 11.4                        | _  |
| Converted paper product manufacturing          | 3222                       | 3,720          | 41.9         | 11.8                   | 7.0                         | 22.0  | 3.2                          | 8.3                         | 2.2  |
| Paperboard container manufacturing             | 32221                      | 1,820          | 40.7         | 11.5                   | 7.1                         | 20.3  | 3.8                          | 8.2                         | 2.7  |
| Corrugated and solid fiber box                 |                            |                |              |                        |                             |   |                              |                             |  |
| manufacturing                                  | 322211                     | 1,060          | 41.5         | 8.5                    | 8.5                         | 22.6  | 4.7                          | 9.4                         | 1.9  |
| Folding paperboard box manufacturing           | 322212                     | 510            | 39.2         | 17.6                   | 5.9                         | 17.6  | -                            | 3.9                         | 3.9  |
| Setup paperboard box manufacturing             | 322213                     | 50             | 40.0         | -                      | -                           | -   | -                            | -                           | -  |
| Fiber can, tube, drum, and similar products    |                            |                |              |                        |                             |   |                              |                             |  |
| manufacturing                                  | 322214                     | 110            | 27.3         | 18.2                   | -                           | -   | -                            | -                           | -  |
| Nonfolding sanitary food container             |                            |                |              |                        |                             |   |                              | _                           |  |
| manufacturing                                  | 322215                     | 90             | 55.6         | -                      | -                           | 22.2  | -                            | 22.2                        | -  |
| Paper bag and coated and treated paper         |                            |                |              |                        |                             |   |                              |                             |  |
| manufacturing                                  | 32222                      | 940            | 41.5         | 13.8                   | 4.3                         | 23.4  | 2.1                          | 7.4                         | -  |

|  |                      |                   |                           |   | Percent o       | f industry ca       | ase total ir           | volving – | _                        |                          |                          |                                       |
|--|----------------------|-------------------|---------------------------|---|-----------------|---------------------|------------------------|-----------|--------------------------|--------------------------|--------------------------|---------------------------------------|
|  | Overe                | exertion          |                           | Expo-<br>sure                                       |                 | oortation<br>idents |                        | A         | Assaults and             | d violent ad             | cts                      |                                       |
|  |                      |                   |                           | to  | acci            |                     | Fires                  |           |                          | All other                | assaults                 |                                       |
| Industry <sup>3</sup>  | Total                | In lifting        | Repeti-<br>tive<br>motion | harmful<br>sub-<br>stance<br>or<br>environ-<br>ment | Total           | Highway<br>accident | and<br>explo-<br>sions | Total     | Assaults<br>by<br>person | All<br>other<br>assaults | Assaults<br>by<br>animal | All<br>other<br>events <sup>5,6</sup> |
| Veneer, plywood, and engineered wood<br>product manufacturing<br>Hardwood veneer and plywood                       | 22.8                 | 11.4              | 3.0                       | 1.2   | 3.0             | _                   | -                      | -         | _                        | -                        | _                        | 9.6                                   |
| manufacturing<br>Softwood veneer and plywood<br>manufacturing  | 21.2<br>29.2         | 9.1<br>16.7       | _                         | _   | -               | _                   | -                      | -         | _                        | _                        | _                        | 12.1<br>8.3                           |
| Engineered wood member (except truss)<br>manufacturing   | -                    | -                 | _                         | _   | _               | _                   | _                      | _         | _                        | _                        | _                        | _                                     |
| Truss manufacturing<br>Reconstituted wood product manufacturing  | 22.4<br>31.2         | 10.6<br>12.5      | 2.4                       | -   | 3.5<br>_        | -                   | -                      | -         | -                        | -                        | -                        | 9.4                                   |
| Other wood product manufacturing   | 18.6                 | 10.4              | 4.1                       | 2.9   | 1.9             | 0.4                 | _                      | _         | _                        | _                        | _                        | 7.0                                   |
| Millwork   | 23.3                 | 11.5              | 6.3                       | 3.6   | 1.2             | -                   | -                      | -         | -                        | -                        | -                        | 10.7                                  |
| Wood window and door manufacturing   | 25.9                 | 14.3              | 8.9                       | 1.8   | -               | -                   | -                      | -         | -                        | -                        | -                        | 9.8                                   |
| Cut stock, resawing lumber, and planing  | 28.6                 | 5.7               | 8.6                       | -   | -               | -                   | -                      | -         | -                        | -                        | -                        | 14.3                                  |
| Other millwork (including flooring)  | 19.0                 | 10.5              | 3.8                       | 5.7   | -               | -                   | -                      | -         | -                        | -                        | -                        | 9.5                                   |
| Wood container and pallet manufacturing<br>All other wood product manufacturing<br>Manufactured home (mobile home) | 10.9<br>19.7         | 6.4<br>12.7       | 2.5<br>3.1                | 3.5<br>1.8  | 2.0<br>2.2      | 1.0                 | -                      |           | -                        | _                        | -                        | 2.5<br>7.5                            |
| manufacturing  | 20.4                 | 12.2              | 2.0                       | -   | 2.0             | -                   | -                      | -         | _                        | -                        | _                        | 8.2                                   |
| Prefabricated wood building manufacturing<br>All other miscellaneous wood product                                  | 30.4                 | 21.7              | 2.9                       | -   | 2.9             | -                   | -                      | -         | -                        | -                        | -                        | 5.8                                   |
| manufacturing  | 8.2                  | 3.3               | 4.9                       | 4.9   | -               |                     | -                      | -         | -                        | -                        | -                        | 8.2                                   |
| Paper manufacturing<br>Pulp, paper, and paperboard mills<br>Pulp mills   | 22.8<br>23.0<br>22.2 | 11.4<br>11.8<br>_ | 5.1<br>2.5                | 3.7<br>5.6  | 2.1<br>2.5<br>– | .7<br>              |                        | -         | _                        |                          |                          | 11.6<br>15.5<br>22.2                  |
| Paper mills  | 25.6                 | 12.8              | 2.6                       | 5.1   | 1.7             | _                   | _                      |           |                          | _                        | _                        | 17.9                                  |
| Paper (except newsprint) mills   | 25.7                 | 13.3              | 2.0                       | 3.8   | 1.9             | _                   | _                      | _         | _                        | _                        | _                        | 19.0                                  |
| Newsprint mills  | 16.7                 | _                 | _                         | 16.7  | _               | _                   | _                      | - 1       | _                        | _                        | _                        | _                                     |
| Paperboard mills   | 14.3                 | 5.7               | -                         | 5.7   | -               | -                   | -                      | -         | -                        | _                        | -                        | 8.6                                   |
| Converted paper product manufacturing  | 22.8                 | 11.3              | 6.2                       | 3.2   | 2.2             | 1.1                 | -                      | -         | -                        | -                        | -                        | 9.9                                   |
| Paperboard container manufacturing<br>Corrugated and solid fiber box   | 24.7                 | 13.2              | 6.0                       | 1.6   | 3.3             | 1.6                 | -                      | -         | -                        | _                        | -                        | 8.2                                   |
| manufacturing  | 23.6                 | 13.2              | 5.7                       | 1.9   | 4.7             | 2.8                 | -                      | -         | -                        | -                        | -                        | 7.5                                   |
| Folding paperboard box manufacturing   | 29.4                 | 17.6              | 3.9                       | -   | -               | -                   | -                      | -         | -                        | -                        | -                        | 9.8                                   |
| Setup paperboard box manufacturing<br>Fiber can, tube, drum, and similar products                                  | -                    | -                 | -                         | -   | -               | -                   | -                      | -         | -                        | -                        | -                        | _                                     |
| manufacturing<br>Nonfolding sanitary food container<br>manufacturing   | 27.3<br>22.2         | _                 | 18.2                      | _   | _               | _                   | -                      | _         | _                        | _                        | _                        | _                                     |
| Paper bag and coated and treated paper<br>manufacturing  | 22.2                 | 9.6               | 6.4                       | 7.4   | _               |                     | _                      | _         | _                        | _                        | _                        | 10.6                                  |
| ·  |                      | 0.0               |                           |   |                 |                     |                        |           |                          |                          |                          |                                       |

|   |                            |                |              | Perce                  | ent of indu                 | stry case to  | otal involvir                | ng —                        |  |
|---|----------------------------|----------------|--------------|------------------------|-----------------------------|---|------------------------------|-----------------------------|--|
|   |                            |                |              | Contact w              | ith objects                 | 5   |                              |                             |  |
| Industry <sup>3</sup>                       | NAICS<br>code <sup>4</sup> | Total<br>cases | Total        | Struck<br>by<br>object | Struck<br>against<br>object | Caught<br>in or<br>com-<br>pressed<br>or<br>crushed | Fall<br>to<br>lower<br>level | Fall<br>on<br>same<br>level | Slips<br>or<br>trips<br>without<br>fall <sup>5</sup> |
| Coated and laminated packaging paper and    |                            |                |              |                        |                             |   |                              |                             |  |
| plastics film manufacturing                 | 322221                     | 190            | 47.4         | 10.5                   | _                           | 31.6  | _                            | _                           | _  |
| Coated and laminated paper manufacturing    | 322222                     | 420            | 45.2         | 16.7                   | 4.8                         | 23.8  | _                            | 7.1                         | _  |
| Plastics, foil, and coated paper bag        | 0                          |                |              |                        |                             |   |                              |                             |  |
| manufacturing                               | 322223                     | 110            | 36.4         | _                      | _                           | 18.2  | _                            | _                           | _  |
| Uncoated paper and multiwall bag            | OLLLO                      | 110            | 00.1         |                        |                             | 10.2  |                              |                             |  |
| manufacturing                               | 322224                     | 160            | 31.2         | _                      | _                           | 18.8  | _                            | 12.5                        | _  |
| Laminated aluminum foil manufacturing for   | 522224                     | 100            | 51.2         | _                      | _                           | 10.0  | _                            | 12.5                        | _  |
|   | 222225                     | 20             |              |                        |                             |   |                              |                             |  |
| flexible packaging uses                     | 322225                     | 20             | -            | -                      | -                           | -   | -                            | -                           | -  |
| Surface-coated paperboard manufacturing     | 322226                     | 40             | _            | _                      | _                           | _   | _                            | _                           |  |
| Stationery product manufacturing            | 32223                      | 430            | 44.2         | 9.3                    | 9.3                         | 25.6  | -                            | 9.3                         | 4.7  |
| Die-cut paper and paperboard office         |                            |                |              |                        |                             |   |                              |                             |  |
| supplies manufacturing                      | 322231                     | 140            | 50.0         | 14.3                   | 14.3                        | 21.4  | -                            | 14.3                        | -  |
| Envelope manufacturing                      | 322232                     | 230            | 39.1         | 8.7                    | 8.7                         | 21.7  | -                            | 8.7                         | -  |
| Stationery, tablet, and related product     |                            |                |              |                        |                             |   |                              |                             |  |
| manufacturing                               | 322233                     | 70             | 57.1         | -                      | -                           | 42.9  | -                            | _                           | -  |
| Other converted paper product manufacturing | 32229                      | 540            | 44.4         | 9.3                    | 9.3                         | 22.2  | 3.7                          | 9.3                         | -  |
| Sanitary paper product manufacturing        | 322291                     | 270            | 44.4         | 14.8                   | 7.4                         | 22.2  | -                            | 14.8                        | -  |
| All other converted paper product           |                            |                |              |                        |                             |   |                              |                             |  |
| manufacturing                               | 322299                     | 270            | 40.7         | 7.4                    | 11.1                        | 18.5  | 7.4                          | _                           | _  |
| Printing and related support activities     |                            | 6,400          | 33.3         | 10.8                   | 7.3                         | 14.2  | 2.7                          | 10.6                        | 2.2  |
| Printing and related support activities     | 3231                       | 6,400          | 33.3         | 10.8                   | 7.3                         | 14.2  | 2.7                          | 10.6                        | 2.2  |
| Printing                                    | 32311                      | 6,000          | 33.0         | 10.3                   | 7.2                         | 14.7  | 2.8                          | 10.5                        | 2.2  |
| Commercial lithographic printing            | 323110                     | 2,870          | 29.6         | 7.7                    | 7.3                         | 13.6  | 3.8                          | 12.2                        | 2.2  |
| Commercial gravure printing                 | 323110                     | 2,870          | 29.0<br>35.7 | 14.3                   | - 1.5                       | 14.3  | 5.0                          | 12.2                        | 2.0  |
|   |                            | 400            |              |                        | 5.0                         | 14.3  | _<br>5.0                     | 10.0                        | _  |
| Commercial flexographic printing            | 323112                     |                | 30.0         | 12.5                   |                             | -   | 5.0                          |                             | _  |
| Commercial screen printing                  | 323113                     | 520            | 30.8         | 13.5                   | 5.8                         | 9.6   |                              | 13.5                        | -  |
| Quick printing                              | 323114                     | 380            | 34.2         | 18.4                   | 7.9                         | 10.5  | _                            | 15.8                        | -  |
| Manifold business forms printing            | 323116                     | 300            | 40.0         | 10.0                   | 10.0                        | 20.0  | -                            | 10.0                        | -  |
| Books printing                              | 323117                     | 390            | 35.9         | 7.7                    | -                           | 23.1  | -                            | -                           | -  |
| Blankbook, looseleaf binders, and devices   |                            |                |              |                        |                             |   |                              |                             |  |
| manufacturing                               | 323118                     | 90             | 55.6         | 22.2                   | -                           | 22.2  | -                            | -                           | -  |
| Other commercial printing                   | 323119                     | 830            | 38.6         | 8.4                    | 9.6                         | 19.3  | -                            | 7.2                         | 2.4  |
| Support activities for printing             | 32312                      | 400            | 37.5         | 17.5                   | 10.0                        | 10.0  | -                            | 12.5                        | -  |
| Tradebinding and related work               | 323121                     | 250            | 40.0         | 16.0                   | 12.0                        | 12.0  | -                            | 8.0                         | -  |
| Prepress services                           | 323122                     | 150            | 33.3         | 20.0                   | -                           | -   | -                            | 20.0                        | -  |
| Petroleum and coal products manufacturing   | 324                        | 960            | 26.0         | 10.4                   | 3.1                         | 8.3   | 7.3                          | 10.4                        | 3.1  |
| Petroleum and coal products manufacturing   | 3241                       | 960            | 26.0         | 10.4                   | 3.1                         | 8.3   | 7.3                          | 10.4                        | 3.1  |
| Petroleum refineries                        | 32411                      | 270            | 14.8         | 7.4                    | _                           | _   | 11.1                         | 14.8                        | _  |
| Asphalt paving, roofing, and saturated      |                            | 2.0            |              |                        |                             |   |                              |                             |  |
| materials manufacturing                     | 32412                      | 450            | 33.3         | 13.3                   | _                           | 11.1  | 8.9                          | 6.7                         | _  |
|   | 02112                      | .00            | 00.0         | 10.0                   |                             |   | 0.0                          | 0.1                         |  |
|   | L                          |                |              |                        |                             | -   |                              |                             |  |

|   |              |              |                | 1  | Percent of | f industry ca       | ase total ir           | volving — | -                        |                          |                          | 1            |
|---|--------------|--------------|----------------|--|------------|---------------------|------------------------|-----------|--------------------------|--------------------------|--------------------------|--------------|
|   | Overe        | exertion     |                | Expo-<br>sure                            |            | oortation<br>dents  |                        | A         | ssaults and              | d violent ad             | cts                      | -            |
| Industry <sup>3</sup>   |              |              | Repeti-        | to                                       |            |                     | Fires                  |           |                          | All other                | assaults                 | All          |
|   | Total        | In lifting   | tive<br>motion | sub-<br>stance<br>or<br>environ-<br>ment | Total      | Highway<br>accident | and<br>explo-<br>sions | Total     | Assaults<br>by<br>person | All<br>other<br>assaults | Assaults<br>by<br>animal | other        |
| Coated and laminated packaging paper and<br>plastics film manufacturing<br>Coated and laminated paper manufacturing | 15.8<br>21.4 | -<br>7.1     | _<br>7.1       | 10.5<br>7.1                              | -          | -                   |                        |           |                          |                          |                          | 10.5<br>9.5  |
| Plastics, foil, and coated paper bag manufacturing  | 36.4         | 18.2         | _              | _  | _          | _                   | _                      | _         | _                        | _                        | _                        | _            |
| Uncoated paper and multiwall bag  |              |              | 10.0           |  |            |                     |                        |           |                          |                          |                          |              |
| manufacturing<br>Laminated aluminum foil manufacturing for  | 25.0         | 12.5         | 18.8           | _  | _          | _                   | _                      | _         | _                        | -                        | -                        | -            |
| flexible packaging uses<br>Surface-coated paperboard manufacturing  | _            | _            | _              | _  | _          | _                   | _                      | _         | _                        | _                        | _                        | _            |
| Stationery product manufacturing<br>Die-cut paper and paperboard office   | 23.3         | 11.6         | 7.0            | -  | -          | -                   | -                      | -         | -                        | -                        | -                        | 7.0          |
| supplies manufacturing<br>Envelope manufacturing<br>Stationery, tablet, and related product                         | 14.3<br>30.4 | _<br>13.0    |                | -  |            | -                   |                        | -         | -                        |                          |                          | -            |
| manufacturing<br>Other converted paper product manufacturing  | _<br>16.7    | -<br>7.4     | _<br>5.6       | -  | -          |                     | _                      | -         | -                        |                          |                          | _<br>16.7    |
| Sanitary paper product manufacturing<br>All other converted paper product   | 11.1         | -            | 7.4            | -  | -          | -                   | -                      | -         | -                        | -                        | -                        | 14.8         |
| manufacturing   | 18.5         | 11.1         | -              | -  | -          | -                   | -                      | -         | -                        | -                        | -                        | 18.5         |
| Printing and related support activities   | 26.1         | 16.1         | 7.3            | 4.8                                      | 1.7        | 0.9                 | -                      | -         | -                        | -                        | -                        | 10.9         |
| Printing and related support activities<br>Printing   | 26.1<br>27.0 | 16.1<br>16.8 | 7.3<br>7.0     | 4.8<br>4.8                               | 1.7<br>1.7 | .9<br>.7            | _                      | _         |                          | _                        | _                        | 10.9<br>10.7 |
| Commercial lithographic printing  | 26.5         | 17.8         | 6.3            | 7.0                                      | 1.7        | 1.0                 | _                      | -         | -                        | _                        | -                        | 9.4          |
| Commercial gravure printing   | 21.4         | -            | -              | -  | -          | -                   | -                      | -         | -                        | -                        | -                        | 14.3         |
| Commercial flexographic printing  | 27.5         | 15.0         | 7.5            | -  | _          | -                   | -                      | -         | -                        | -                        | -                        | 17.5         |
| Commercial screen printing<br>Quick printing  | 28.8<br>26.3 | 13.5<br>23.7 | 7.7            | 5.8                                      | _          | _                   | -                      | _         | _                        | _                        | _                        | 11.5<br>18.4 |
| Manifold business forms printing  | 20.3         | 6.7          | 13.3           |  | _          | _                   | _                      |           | _                        | _                        | _                        | 10.4         |
| Blankbook, looseleaf binders, and devices   | 30.8         | 17.9         | 7.7            | -  | 5.1        | -                   | -                      | -         | -                        | -                        | -                        | 12.8         |
| manufacturing   | _            | _            | _              | -  | _          | _                   | _                      | -         | _                        | -                        | -                        | _            |
| Other commercial printing   | 28.9         | 18.1         | 9.6            | 2.4                                      | 2.4        | -                   | -                      | -         | -                        | -                        | -                        | 8.4          |
| Support activities for printing   | 12.5         | 5.0          | 12.5           | 5.0                                      | -          | -                   | -                      | -         | -                        | -                        | -                        | 15.0         |
| Tradebinding and related work   | 16.0         | -            | 12.0           | 8.0                                      | -          | -                   | -                      | -         | -                        | -                        | -                        | 16.0         |
| Prepress services<br>Petroleum and coal products manufacturing  | _<br>13.5    | 4.2          | 13.3           | -<br>15.6                                | -<br>3.1   | _                   | _<br>2.1               | _         | _                        | _                        | _                        | 13.3<br>16.7 |
| Petroleum and coal products manufacturing<br>Petroleum and coal products manufacturing                              | 13.5         | 4.2          | _              | 15.6                                     | 3.1        | _                   | 2.1                    | _         | _                        | _                        | _                        | 16.7         |
| Petroleum refineries  | 18.5         | 7.4          | _              | 14.8                                     | _          | _                   | 7.4                    | _         | -                        | -                        | _                        | 7.4          |
| materials manufacturing   | 11.1         | -            | _              | 17.8                                     | 4.4        | -                   | _                      | -         | -                        | -                        | -                        | 17.8         |

|   |                            |                |              | Perce                  | ent of indu                 | stry case to  | otal involvir                | ng —                        |  |
|---|----------------------------|----------------|--------------|------------------------|-----------------------------|---|------------------------------|-----------------------------|--|
|   |                            |                |              | Contact w              | vith objects                |   |                              |                             |  |
| Industry <sup>3</sup>                         | NAICS<br>code <sup>4</sup> | Total<br>cases | Total        | Struck<br>by<br>object | Struck<br>against<br>object | Caught<br>in or<br>com-<br>pressed<br>or<br>crushed | Fall<br>to<br>lower<br>level | Fall<br>on<br>same<br>level | Slips<br>or<br>trips<br>without<br>fall <sup>5</sup> |
| Asphalt paving mixture and block              |                            |                |              |                        |                             |   |                              |                             |  |
| manufacturing                                 | 324121                     | 310            | 32.3         | 16.1                   | _                           | 9.7   | 9.7                          | 6.5                         | _  |
| Asphalt shingle and coating materials         | 024121                     | 010            | 02.0         | 10.1                   |                             | 0.1   | 0.1                          | 0.0                         |  |
| manufacturing                                 | 324122                     | 130            | 30.8         | _                      | _                           | 23.1  | _                            | _                           | _  |
| Other petroleum and coal products             | 024122                     | 100            | 00.0         |                        |                             | 20.1  |                              |                             |  |
| manufacturing                                 | 32419                      | 250            | 24.0         | 8.0                    | _                           | 8.0   | _                            | 12.0                        | _  |
| Petroleum lubricating oil and grease          | 02410                      | 200            |              | 0.0                    |                             | 0.0   |                              | .2.0                        |  |
| manufacturing                                 | 324191                     | 150            | 26.7         | 13.3                   | _                           | _   | _                            | 13.3                        | _  |
| Chemical manufacturing                        | 325                        | 7.460          | 26.3         | 8.7                    | 5.1                         | 10.9  | 5.5                          | 12.7                        | 2.5  |
| Basic chemical manufacturing                  | 3251                       | 1,050          | 15.2         | 4.8                    | 2.9                         | 6.7   | 7.6                          | 17.1                        | 2.9  |
| Petrochemical manufacturing                   | 32511                      | 60             | -            |                        | -                           |   | - 1.0                        | _                           | 2.5  |
| Industrial gas manufacturing                  | 32512                      | 80             | _            |                        |                             |   | _                            |                             |  |
| Synthetic dye and pigment manufacturing       | 32512                      | 120            | 25.0         | _                      | _                           | 16.7  | _                            | _                           | _  |
| Inorganic dye and pigment manufacturing       | 325131                     | 60             | 33.3         | _                      | _                           | 33.3  | _                            | _                           |  |
| Synthetic organic dye and pigment             | 525151                     | 00             | 00.0         |                        |                             | 00.0  |                              |                             |  |
| manufacturing                                 | 325132                     | 50             | _            | _                      | _                           | _   | _                            | _                           | _  |
| Other basic inorganic chemical manufacturing  | 325132                     | 310            | 19.4         | 9.7                    | _                           | 6.5   | 6.5                          | 6.5                         | _  |
| Alkalies and chlorine manufacturing           | 325181                     | 80             | 25.0         | 9.1                    |                             | 0.5   | 0.5                          | 0.5                         | _  |
| All other basic inorganic chemical            | 323101                     | 80             | 25.0         | _                      | _                           | _   | _                            | _                           | _  |
| manufacturing                                 | 325188                     | 210            | 14.3         | 9.5                    |                             |   |                              |                             |  |
| Other basic organic chemical manufacturing    | 325188                     | 480            | 10.4         | 9.5                    | 4.2                         | 4.2   | 6.2                          | 29.2                        | _  |
|   | 32519                      | 400            | 66.7         | _                      | 4.2                         | 4.2   | 0.2                          | 29.2                        | _  |
| Gum and wood chemical manufacturing           |                            | 30<br>80       | 00.7         | _                      | _                           | -   | _                            | -<br>87.5                   | _  |
| Ethyl alcohol manufacturing                   | 325193                     | 80             | _            | _                      | _                           | -   | _                            | 67.5                        | _  |
| All other basic organic chemical              | 325199                     | 270            | 0.1          | _                      |                             | E 4   | 5.4                          | 10.0                        |  |
| manufacturing                                 | 325199                     | 370            | 8.1          | _                      | _                           | 5.4   | 5.4                          | 18.9                        | _  |
| Resin, synthetic rubber, and artificial and   | 3252                       | 050            | 33.7         | 11.0                   | 7.4                         | 107   | 4.0                          | 0.5                         | 2.2  |
| synthetic fibers and filaments manufacturing  |                            | 950            |              | 11.6                   |                             | 13.7  | 4.2                          | 9.5                         | 3.2  |
| Resin and synthetic rubber manufacturing      | 32521<br>325211            | 760<br>660     | 32.9<br>34.8 | 11.8<br>13.6           | 7.9<br>9.1                  | 13.2<br>12.1  | 3.9                          | 9.2<br>9.1                  | 3.9<br>4.5   |
| Plastics material and resin manufacturing     |                            |                |              | 13.0                   | 9.1                         | 1   | 4.5                          | 9.1                         | 4.5  |
| Synthetic rubber manufacturing                | 325212                     | 100            | 30.0         | _                      | _                           | 20.0  | _                            | _                           | _  |
| Artificial and synthetic fibers and filaments | 22522                      | 190            | 36.8         | 15.0                   |                             | 15.0  |                              |                             |  |
| manufacturing                                 | 32522                      |                |              | 15.8                   | -                           | 15.8  | -                            | _                           | _  |
| Cellulosic organic fiber manufacturing        | 325221                     | 50             | 40.0         | -                      | -                           | -   | -                            | -                           | _  |
| Noncellulosic organic fiber manufacturing     | 325222                     | 140            | 35.7         | 14.3                   | -                           | 14.3  | -                            | -                           | -  |
| Pesticide, fertilizer, and other agricultural | 3253                       | 340            | 29.4         | 8.8                    | 5.9                         | 5.9   | 11.8                         | 11.8                        |  |
| chemical manufacturing                        |                            |                | -            |                        | 5.9                         |   | -                            | -                           | -  |
| Fertilizer manufacturing                      | 32531                      | 270            | 33.3         | 11.1                   | _                           | 7.4   | 11.1                         | 11.1                        | -  |
| Nitrogenous fertilizer manufacturing          | 325311                     | 110            | 45.5         |                        |                             |   | -                            | -                           | -  |
| Fertilizer (mixing only) manufacturing        | 325314                     | 90             | 22.2         | -                      | -                           | -   | 33.3                         | -                           | -  |
| Pesticide and other agricultural chemical     | 20520                      | 70             |              |                        |                             |   |                              |                             |  |
| manufacturing                                 | 32532<br>3254              | 70<br>2 020    | _<br>21.8    | _<br>7.9               | - 3.5                       | 9.4   | _<br>5.9                     | _<br>15.3                   | - 3.5  |
| Pharmaceutical and medicine manufacturing     | 5254                       | 2,020          | ∠1.0         | 1.9                    | 3.5                         | 9.4   | 5.9                          | 15.3                        | ა.ა  |

|  |           |            |                           |   | Percent of | f industry ca       | ase total in           | volving — | -                        |                          |                          |                                       |
|--|-----------|------------|---------------------------|---|------------|---------------------|------------------------|-----------|--------------------------|--------------------------|--------------------------|---------------------------------------|
|  | Overe     | exertion   |                           | Expo-<br>sure                                       |            | oortation<br>dents  |                        | A         | ssaults and              | d violent ad             | cts                      |                                       |
|  |           |            |                           | to  | acci       |                     | Fires                  |           |                          | All other                | assaults                 |                                       |
| Industry <sup>3</sup>  | Total     | In lifting | Repeti-<br>tive<br>motion | harmful<br>sub-<br>stance<br>or<br>environ-<br>ment | Total      | Highway<br>accident | and<br>explo-<br>sions | Total     | Assaults<br>by<br>person | All<br>other<br>assaults | Assaults<br>by<br>animal | All<br>other<br>events <sup>5,6</sup> |
| Asphalt paving mixture and block   |           |            |                           |   |            |                     |                        |           |                          |                          |                          |                                       |
| manufacturing<br>Asphalt shingle and coating materials                                     | 9.7       | -          | -                         | 12.9  | 6.5        | -                   | -                      | -         | -                        | -                        | -                        | 19.4                                  |
| manufacturing<br>Other petroleum and coal products   | 15.4      | -          | -                         | 30.8  | -          | -                   | -                      | -         | -                        | -                        | -                        | 15.4                                  |
| manufacturing<br>Petroleum lubricating oil and grease                                      | 12.0      | 8.0        | -                         | 16.0  | -          | _                   | -                      | -         | -                        | -                        | -                        | 24.0                                  |
| manufacturing  | _         | _          | _                         | 13.3  | _          | _                   | _                      | _         | _                        | _                        | _                        | 26.7                                  |
| Chemical manufacturing   | 18.9      | 8.7        | 5.8                       | 11.9  | 2.9        | 1.5                 | 1.5                    | 0.4       | _                        | 0.3                      | 0.3                      | 11.5                                  |
| Basic chemical manufacturing   | 16.2      | 7.6        | 6.7                       | 12.4  | 4.8        | _                   | 5.7                    | _         | _                        | _                        | _                        | 13.3                                  |
| Petrochemical manufacturing  | _         | _          | _                         |   | _          | _                   | _                      | _         | _                        | _                        | _                        | _                                     |
| Industrial gas manufacturing   | 25.0      | _          | _                         | - 1   | _          | _                   | _                      | _         | _                        | _                        | _                        | 25.0                                  |
| Synthetic dye and pigment manufacturing  | 25.0      | _          | _                         | - 1   | _          | _                   | _                      | _         | _                        | _                        | _                        | _                                     |
| Inorganic dye and pigment manufacturing<br>Synthetic organic dye and pigment               | 33.3      | -          | -                         | -   | -          | -                   | -                      | -         | -                        | -                        | -                        | -                                     |
| manufacturing  | 40.0      | -          | -                         | -   | -          | -                   | _                      | -         | -                        | -                        | _                        | -                                     |
| Other basic inorganic chemical manufacturing   | 12.9      | 6.5        | 12.9                      | 9.7   | -          | -                   | _                      | -         | -                        | -                        | _                        | 12.9                                  |
| Alkalies and chlorine manufacturing<br>All other basic inorganic chemical                  | -         | -          | -                         | -   | -          | -                   | -                      | -         | -                        | -                        | -                        | 25.0                                  |
| manufacturing  | 14.3      | _          | 19.0                      | -   | _          | _                   | _                      | _         | _                        | -                        | _                        | _                                     |
| Other basic organic chemical manufacturing   | 14.6      | 8.3        | _                         | 14.6  | 6.2        | _                   | _                      | _         | _                        | -                        | _                        | 14.6                                  |
| Gum and wood chemical manufacturing  | _         | _          | _                         | _   | _          | _                   | _                      | _         | _                        | _                        | _                        | _                                     |
| Ethyl alcohol manufacturing<br>All other basic organic chemical                            | -         | -          | -                         | -   | -          | -                   | -                      | -         | -                        | -                        | -                        | -                                     |
| manufacturing<br>Resin, synthetic rubber, and artificial and                               | 18.9      | 10.8       | -                         | 18.9  | 8.1        | -                   | -                      | -         | -                        | -                        | -                        | 16.2                                  |
| synthetic fibers and filaments manufacturing   | 23.2      | 8.4        | 5.3                       | 10.5  | 2.1        | -                   | 2.1                    | _         | _                        | -                        | _                        | 7.4                                   |
| Resin and synthetic rubber manufacturing   | 21.1      | 9.2        | 5.3                       | 10.5  | 2.6        | -                   | -                      | -         | _                        | -                        | _                        | 6.6                                   |
| Plastics material and resin manufacturing  | 21.2      | 9.1        | 4.5                       | 10.6  | -          | -                   | _                      | -         | -                        | -                        | _                        | 6.1                                   |
| Synthetic rubber manufacturing<br>Artificial and synthetic fibers and filaments            | 20.0      | -          | 20.0                      | -   | -          | -                   | -                      | -         | -                        | -                        | -                        | -                                     |
| manufacturing  | 26.3      | -          | _                         | 10.5  | _          | -                   | -                      | -         | _                        | -                        | _                        | 10.5                                  |
| Cellulosic organic fiber manufacturing   | 40.0      | -          | -                         | _   | -          | -                   | -                      | -         |                          | -                        | -                        | _                                     |
| Noncellulosic organic fiber manufacturing<br>Pesticide, fertilizer, and other agricultural | 28.6      | -          | -                         | 14.3  | -          | -                   | -                      | -         | -                        | -                        | -                        | 14.3                                  |
| chemical manufacturing   | 17.6      | 5.9        | -                         | 8.8   | 5.9        | -                   | _                      | -         | -                        | -                        | _                        | 8.8                                   |
| Fertilizer manufacturing   | 18.5      | 7.4        | -                         | -   | 7.4        | -                   | -                      | -         |                          | -                        | -                        | 7.4                                   |
| Nitrogenous fertilizer manufacturing   | 27.3      | -          |                           |   | -          | -                   | -                      | -         |                          | -                        | -                        |                                       |
| Fertilizer (mixing only) manufacturing<br>Pesticide and other agricultural chemical        | -         | -          | -                         | -   | -          | -                   | -                      | -         | -                        | -                        | -                        | -                                     |
| manufacturing  | _<br>18.8 | _<br>10.4  | -<br>7.9                  | 28.6<br>11.4  | _<br>4.5   | _<br>3.5            | -                      | -         | -                        |                          |                          | _<br>10.4                             |

|   |                                  |                          |                              | Perce                  | ent of indu                 | stry case to  | otal involvi                 | ng —                        |  |
|---|----------------------------------|--------------------------|------------------------------|------------------------|-----------------------------|---|------------------------------|-----------------------------|--|
|   |                                  |                          |                              | Contact w              | vith objects                | i   |                              |                             |  |
| Industry <sup>3</sup>   | NAICS<br>code <sup>4</sup>       | Total<br>cases           | Total                        | Struck<br>by<br>object | Struck<br>against<br>object | Caught<br>in or<br>com-<br>pressed<br>or<br>crushed | Fall<br>to<br>lower<br>level | Fall<br>on<br>same<br>level | Slips<br>or<br>trips<br>without<br>fall <sup>5</sup> |
| Pharmaceutical and medicine manufacturing<br>Medicinal and botanical manufacturing  | 32541<br>325411                  | 2,020<br>200             | 21.8<br>25.0                 | 7.9<br>10.0            | 3.5<br>-                    | 9.4<br>10.0   | 5.9<br>10.0                  | 15.3<br>-                   | 3.5<br>-   |
| Pharmaceutical preparation manufacturing<br>In-vitro diagnostic substance manufacturing<br>Biological product (except diagnostic)                                       | 325412<br>325413                 | 1,560<br>100             | 22.4<br>_                    | 7.7                    | 3.8<br>-                    | 10.3  | 4.5<br>-                     | 16.7<br>-                   | 3.8  |
| Paint, coating, and adhesive manufacturing<br>Paint and coating manufacturing<br>Adhesive manufacturing<br>Soap, cleaning compound, and toilet preparation              | 325414<br>3255<br>32551<br>32552 | 160<br>900<br>730<br>170 | 12.5<br>33.3<br>31.5<br>41.2 | -<br>7.8<br>9.6<br>-   | -<br>4.4<br>-<br>17.6       | _<br>20.0<br>20.5<br>23.5                           | -<br>3.3<br>2.7<br>-         | 12.5<br>10.0<br>9.6<br>17.6 | -<br>-<br>-<br>-                                     |
| Soap and other detergent manufacturing<br>Polish and other sanitation good  | 3256<br>32561<br>325611          | 1,180<br>590<br>270      | 24.6<br>15.3<br>14.8         | 6.8<br>6.8<br>7.4      | 6.8<br>3.4<br>-             | 10.2<br>3.4<br>-                                    | 3.4<br>3.4<br>–              | 11.0<br>8.5<br>7.4          | 3.4<br>5.1<br>-                                      |
| manufacturing<br>Toilet preparation manufacturing   | 325612<br>32562                  | 300<br>590               | 16.7<br>33.9                 | 6.7<br>6.8             | _<br>8.5                    | _<br>15.3   | _<br>3.4                     | 13.3<br>11.9                | 10.0<br>3.4  |
| Other chemical product and preparation<br>manufacturing<br>Printing ink manufacturing<br>Explosives manufacturing<br>All other chemical product and preparation         | 3259<br>32591<br>32592           | 1,030<br>60<br>60        | 35.0<br>33.3<br>–            | 13.6<br>_<br>_         | 6.8<br>-<br>-               | 9.7<br>-<br>-                                       | 6.8<br>-<br>-                | 12.6<br>_<br>_              | -<br>-<br>-  |
| Custom compounding of purchased resins<br>All other miscellaneous chemical product  | 32599<br>325991                  | 910<br>270               | 36.3<br>51.9                 | 14.3<br>11.1           | 6.6<br>14.8                 | 11.0<br>18.5  | 6.6<br>7.4                   | 12.1<br>11.1                |  |
| Plastics and rubber products manufacturing<br>Plastics and rubber products manufacturing<br>Plastics product manufacturing<br>Unsupported plastics film, sheet, and bag | 325998<br>326<br>3261            | 480<br>12,170<br>9,730   | 35.4<br>36.0<br>37.6         | 18.8<br>14.8<br>14.6   | 4.2<br>5.8<br>6.2           | 10.4<br>13.0<br>14.2                                | 4.2<br>3.8<br>3.9            | 10.4<br>13.6<br>14.4        | _<br>3.3<br>2.6                                      |
| Manufacturing   | 32611<br>326111                  | 1,220<br>350             | 49.2<br>48.6                 | 16.4<br>14.3           | 5.7<br>5.7                  | 26.2<br>28.6  | 1.6<br>-                     | 10.7<br>17.1                | 2.5<br>-   |
| sheet manufacturing<br>Unsupported plastics film and sheet (except  | 326112                           | 160                      | 81.2                         | 12.5                   | -                           | 56.2  | _                            | -                           | -  |
| packaging) manufacturing<br>Plastics pipe, pipe fitting, and unsupported<br>profile shape manufacturing   | 326113<br>32612                  | 720<br>1,160             | 41.7<br>42.2                 | 18.1<br>17.2           | 4.2<br>5.2                  | 18.1<br>12.9  | - 1.7                        | 9.7<br>15.5                 | 2.8<br>4.3   |
| Unsupported plastics profile shape<br>manufacturing<br>Plastics pipe and pipe fitting manufacturing   | 326121<br>326122                 | 620<br>540               | 43.5<br>40.7                 | 16.1<br>18.5           | 8.1<br>–                    | 8.1<br>18.5   | - 3.7                        | 11.3<br>20.4                | 4.8  |
| Laminated plastics plate, sheet, and shape<br>manufacturing<br>Polystyrene foam product manufacturing   | 32613<br>32614                   | 260<br>520               | 34.6<br>36.5                 | 15.4<br>13.5           | 7.7<br>5.8                  | 11.5<br>15.4  | _<br>3.8                     | 7.7<br>9.6                  |  |

|  |       |            |                           |   | Percent o | f industry ca       | ase total in           | volving – | -                        |                          |                          | 1                                     |
|--|-------|------------|---------------------------|---|-----------|---------------------|------------------------|-----------|--------------------------|--------------------------|--------------------------|---------------------------------------|
|  | Overe | exertion   |                           | Expo-   |           | oortation<br>dents  |                        | A         | ssaults and              | d violent a              | cts                      | _                                     |
|  |       |            |                           | sure<br>to  | acci      | dents               | Fires                  |           |                          | All other                | assaults                 |                                       |
| Industry <sup>3</sup>  | Total | In lifting | Repeti-<br>tive<br>motion | harmful<br>sub-<br>stance<br>or<br>environ-<br>ment | Total     | Highway<br>accident | and<br>explo-<br>sions | Total     | Assaults<br>by<br>person | All<br>other<br>assaults | Assaults<br>by<br>animal | All<br>other<br>events <sup>5,6</sup> |
| Pharmaceutical and medicine manufacturing  | 18.8  | 10.4       | 7.9                       | 11.4  | 4.5       | 3.5                 | _                      | _         | _                        | _                        | _                        | 10.4                                  |
| Medicinal and botanical manufacturing  | 15.0  | 10.0       | _                         | 20.0  | _         |                     | _                      | _         | _                        | _                        | _                        | 15.0                                  |
| Pharmaceutical preparation manufacturing   | 18.6  | 10.3       | 9.0                       | 10.3  | 5.1       | 4.5                 | _                      | _         | _                        | _                        | _                        | 9.0                                   |
| In-vitro diagnostic substance manufacturing  | -     | -          |                           | -   | _         | -                   | _                      | _         | _                        | _                        | _                        | 20.0                                  |
| Biological product (except diagnostic)   |       |            |                           |   |           |                     | _                      |           |                          |                          |                          |                                       |
| manufacturing  | 31.2  | 12.5       | -                         | 18.8  | -         | -                   | -                      | -         | -                        | -                        | -                        | 12.5                                  |
| Paint, coating, and adhesive manufacturing   | 28.9  | 12.2       | 2.2                       | 8.9   | -         | -                   | -                      | -         | -                        | -                        | -                        | 12.2                                  |
| Paint and coating manufacturing  | 30.1  | 12.3       | 2.7                       | 9.6   | -         | -                   | -                      | -         | -                        | -                        | -                        | 12.3                                  |
| Adhesive manufacturing   | 23.5  | 11.8       | -                         | -   | -         |                     | -                      | -         | -                        | -                        | -                        | 11.8                                  |
| Soap, cleaning compound, and toilet preparation  |       | 0.0        | 10                        | 10.0  | 0.5       | 47                  |                        |           |                          |                          |                          | 10.0                                  |
| manufacturing  | 14.4  | 6.8        | 4.2                       | 18.6  | 2.5       | 1.7                 | -                      | -         | -                        | -                        | -                        | 16.9                                  |
| Soap and cleaning compound manufacturing   | 16.9  | 8.5        | -                         | 30.5  | -         | -                   | -                      | -         | -                        | -                        | -                        | 16.9                                  |
| Soap and other detergent manufacturing<br>Polish and other sanitation good                 | 7.4   | -          | -                         | 55.6  | -         | -                   | -                      | -         | -                        | -                        | -                        | 11.1                                  |
| manufacturing  | 23.3  | 13.3       | _                         | 6.7   | _         | _                   | _                      | _         | _                        | _                        | _                        | 23.3                                  |
| Toilet preparation manufacturing<br>Other chemical product and preparation                 | 11.9  | 5.1        | 6.8                       | 6.8   | 3.4       | 3.4                 | -                      | -         | -                        | _                        | -                        | 16.9                                  |
| manufacturing  | 15.5  | 6.8        | 6.8                       | 10.7  | _         | _                   | _                      | _         | _                        | _                        | _                        | 9.7                                   |
| Printing ink manufacturing   | -     | - 0.0      | - 0.0                     |   | _         | _                   |                        |           |                          | _                        | _                        | 5.7                                   |
|  | _     | _          | -                         | -   | _         | _                   | _                      | _         | _                        | _                        | _                        | _                                     |
| Explosives manufacturing   | -     | _          | -                         | -   | _         | _                   | _                      | -         | -                        | -                        | _                        | -                                     |
| All other chemical product and preparation   |       |            |                           |   |           |                     |                        |           |                          |                          |                          |                                       |
| manufacturing  | 14.3  | 7.7        | 6.6                       | 9.9   | -         | -                   | -                      | -         | -                        | -                        | -                        | 9.9                                   |
| Custom compounding of purchased resins<br>All other miscellaneous chemical product         | 11.1  | 7.4        | -                         | 7.4   | -         | -                   | -                      | -         | -                        | _                        | _                        | -                                     |
| and preparation manufacturing  | 12.5  | 8.3        | 10.4                      | 12.5  | _         | _                   | _                      | _         | _                        | _                        | _                        | 8.3                                   |
| Plastics and rubber products manufacturing   | 21.1  | 10.4       | 6.8                       | 5.3   | .9        | _                   | _                      | 0.2       | 0.2                      | _                        | _                        | 9.0                                   |
| Plastics product manufacturing   | 19.9  | 9.6        | 6.3                       | 5.5   | .8        | _                   | _                      | .2        | .2                       | _                        | _                        | 8.6                                   |
| Unsupported plastics film, sheet, and bag  | 10.0  | 0.0        | 0.0                       | 0.0   | .0        |                     |                        |           |                          |                          |                          | 0.0                                   |
| manufacturing  | 17.2  | 9.8        | 2.5                       | 6.6   | _         |                     |                        |           |                          |                          | _                        | 8.2                                   |
| Unsupported plastics bag manufacturing   | 8.6   | - 9.0      | -                         | - 0.0   | _         | _                   | _                      | _         | _                        | _                        | _                        | 14.3                                  |
| Unsupported plastics packaging film and sheet manufacturing                                | _     | -          | -                         | _   | _         |                     | _                      | _         | _                        | -                        | -                        | -                                     |
| Unsupported plastics film and sheet (except  | 22.6  | 12.0       | 4.0                       | 0.7   |           |                     |                        |           |                          |                          |                          | FC                                    |
| packaging) manufacturing<br>Plastics pipe, pipe fitting, and unsupported                   | 23.6  | 13.9       | 4.2                       | 9.7   | -         | -                   | _                      | _         | -                        | _                        | -                        | 5.6                                   |
| profile shape manufacturing<br>Unsupported plastics profile shape                          | 18.1  | 7.8        | 5.2                       | 5.2   | -         | -                   | -                      | -         | -                        | -                        | -                        | 6.9                                   |
| manufacturing  | 19.4  | 8.1        | 8.1                       | 4.8   | _         |                     | _                      |           |                          |                          | _                        | 6.5                                   |
|  | -     |            |                           |   |           | -                   | _                      | -         |                          | -                        |                          |                                       |
| Plastics pipe and pipe fitting manufacturing<br>Laminated plastics plate, sheet, and shape | 18.5  | 7.4        | -                         | 3.7   | -         | -                   | -                      | -         |                          | -                        | -                        | 5.6                                   |
| manufacturing  | 30.8  | 15.4       | -                         | -   | -         | -                   | -                      | -         |                          | -                        | -                        | 11.5                                  |
| Polystyrene foam product manufacturing   | 26.9  | 13.5       | 5.8                       | -   | _         | -                   | _                      | _         |                          | _                        | _                        | 13.5                                  |

|   |                            |                |              | Perce                  | ent of Indu                 | stry case to  | otal involvir                | ng —                        |  |
|---|----------------------------|----------------|--------------|------------------------|-----------------------------|---|------------------------------|-----------------------------|--|
|   |                            |                |              | Contact w              | vith objects                |   |                              |                             |  |
| Industry <sup>3</sup>   | NAICS<br>code <sup>4</sup> | Total<br>cases | Total        | Struck<br>by<br>object | Struck<br>against<br>object | Caught<br>in or<br>com-<br>pressed<br>or<br>crushed | Fall<br>to<br>lower<br>level | Fall<br>on<br>same<br>level | Slips<br>or<br>trips<br>without<br>fall <sup>5</sup> |
| Urethane and other foam product (except   |                            |                |              |                        |                             |   |                              |                             |  |
| polystyrene) manufacturing  | 32615                      | 600            | 28.3         | 6.7                    | 3.3                         | 18.3  | 8.3                          | 16.7                        | 3.3  |
| Plastics bottle manufacturing   | 32616                      | 390            | 38.5         | 12.8                   | 7.7                         | 17.9  | 12.8                         | 12.8                        |  |
| Other plastics product manufacturing  | 32619                      | 5,570          | 35.4         | 14.5                   | 7.0                         | 11.0  | 3.6                          | 15.4                        | 2.5  |
| Plastics plumbing fixture manufacturing   | 326191                     | 400            | 32.5         | 10.0                   | 7.5                         | 10.0  | 5.0                          | 10.0                        | 5.0  |
| All other plastics product manufacturing  | 326199                     | 5,110          | 35.2         | 14.9                   | 6.8                         | 10.8  | 3.7                          | 16.0                        | 2.2  |
|   | 3262                       | 2.440          | 29.5         | 14.5                   | 4.1                         | 8.2   | 2.9                          | 10.0                        | 6.1  |
| Rubber product manufacturing  | 32621                      | 2,440          | 29.5         | 16.5                   | 4.1                         | 0.2<br>7.7  | 2.9                          | 7.7                         | 3.3  |
| Tire manufacturing  |                            |                |              |                        |                             |   |                              |                             |  |
| Tire manufacturing (except retreading)<br>Rubber and plastics hoses and belting | 326211                     | 810            | 27.2         | 13.6                   | 3.7                         | 8.6   | 2.5                          | 8.6                         | 3.7  |
| manufacturing   | 32622                      | 420            | 28.6         | 14.3                   | 4.8                         | 9.5   | 4.8                          | 11.9                        | 19.0   |
| Other rubber product manufacturing  | 32629                      | 1,120          | 30.4         | 15.2                   | 4.5                         | 8.0   | 2.7                          | 12.5                        | 3.6  |
| Rubber product manufacturing for  |                            |                |              |                        |                             |   |                              |                             |  |
| mechanical use  | 326291                     | 700            | 32.9         | 15.7                   | 4.3                         | 10.0  | 2.9                          | 14.3                        | -  |
| All other rubber product manufacturing  | 326299                     | 420            | 23.8         | 14.3                   | -                           | 7.1   | -                            | 9.5                         | 9.5  |
| Nonmetallic mineral product manufacturing                                       | 327                        | 9,710          | 38.9         | 19.4                   | 7.8                         | 9.5   | 6.0                          | 9.5                         | 3.4  |
| Clay product and refractory manufacturing                                       | 3271                       | 1,090          | 40.4         | 18.3                   | 5.5                         | 15.6  | -                            | 7.3                         | 2.8  |
| Pottery, ceramics, and plumbing fixture   |                            |                |              |                        |                             |   |                              |                             |  |
| manufacturing<br>Vitreous china plumbing fixture and china                      | 32711                      | 350            | 28.6         | 8.6                    | 5.7                         | 14.3  | -                            | 5.7                         | -  |
| and earthenware bathroom accessories  |                            |                |              |                        |                             |   |                              |                             |  |
| manufacturing   | 327111                     | 110            | 18.2         | -                      | -                           | -   | -                            | -                           | -  |
| Vitreous china, fine earthenware, and other                                     |                            |                |              |                        |                             |   |                              |                             |  |
| pottery product manufacturing   | 327112                     | 130            | 30.8         | 15.4                   | -                           | -   | -                            | -                           | -  |
| Porcelain electrical supply manufacturing                                       | 327113                     | 120            | 41.7         | -                      | -                           | 33.3  | -                            | -                           | -  |
| Clay building material and refractories   |                            |                |              |                        |                             |   |                              |                             |  |
| manufacturing   | 32712                      | 740            | 44.6         | 24.3                   | 5.4                         | 14.9  | -                            | 9.5                         | 2.7  |
| Brick and structural clay tile manufacturing                                    | 327121                     | 240            | 58.3         | 25.0                   | -                           | 25.0  | -                            | _                           | -  |
| Ceramic wall and floor tile manufacturing                                       | 327122                     | 130            | 23.1         | -                      | -                           | 15.4  | -                            | 15.4                        | -  |
| Clay refractory manufacturing   | 327124                     | 170            | 35.3         | 11.8                   | 11.8                        | -   | -                            | 11.8                        | -  |
| Nonclay refractory manufacturing  | 327125                     | 150            | 60.0         | 60.0                   | -                           | -   | _                            | -                           | -  |
| Glass and glass product manufacturing   | 3272                       | 1,330          | 35.3         | 14.3                   | 11.3                        | 6.0   | 3.0                          | 7.5                         | 3.0  |
| Glass and glass product manufacturing   | 32721                      | 1,330          | 35.3         | 14.3                   | 11.3                        | 6.0   | 3.0                          | 7.5                         | 3.0  |
| Flat glass manufacturing  | 327211                     | 130            | 30.8         | 15.4                   | _                           | _   | _                            | _                           | _  |
| Other pressed and blown glass and   |                            |                |              |                        |                             |   |                              |                             |  |
| glassware manufacturing   | 327212                     | 210            | 28.6         | 14.3                   | 9.5                         | _   | _                            | 9.5                         |  |
| Glass container manufacturing   | 327213                     | 230            | 26.1         | 13.0                   | 8.7                         | _   | _                            | 13.0                        | -  |
| Glass product manufacturing made of   | 327215                     |                | 39.5         | 15.8                   | 13.2                        | 66  | 2.6                          |                             | 2.6  |
| purchased glass   |                            | 760            |              |                        | -                           | 6.6   | -                            | 6.6                         |  |
| Cement and concrete product manufacturing                                       | 3273                       | 5,360          | 34.7         | 14.2                   | 8.6                         | 9.3   | 9.0                          | 10.8                        | 4.3  |
| Ready-mix concrete manufacturing  | 32732<br>32733             | 2,770<br>1,020 | 29.2<br>33.3 | 10.5                   | 9.4<br>4.9                  | 7.2   | 9.0                          | 13.4                        | 5.8  |
| Concrete pipe, brick, and block manufacturing                                   |                            |                | 111          | 13.7                   | 49                          | 10.8  | 5.9                          | 7.8                         | 2.9  |

|  |              |             |                           | l   | Percent o | f industry ca       | ase total in           | volving — | -                        |                          |                          |                                       |
|--|--------------|-------------|---------------------------|---|-----------|---------------------|------------------------|-----------|--------------------------|--------------------------|--------------------------|---------------------------------------|
|  | Overe        | exertion    |                           | Expo-   |           | oortation<br>idents |                        | A         | ssaults and              | d violent ad             | cts                      |                                       |
|  |              |             |                           | sure<br>to  | acci      | dents               | Fires                  |           |                          | All other                | assaults                 |                                       |
| Industry <sup>3</sup>  | Total        | In lifting  | Repeti-<br>tive<br>motion | harmful<br>sub-<br>stance<br>or<br>environ-<br>ment | Total     | Highway<br>accident | and<br>explo-<br>sions | Total     | Assaults<br>by<br>person | All<br>other<br>assaults | Assaults<br>by<br>animal | All<br>other<br>events <sup>5,6</sup> |
| Urethane and other foam product (except  |              |             |                           |   |           |                     |                        |           |                          |                          |                          |                                       |
| polystyrene) manufacturing   | 21.7         | 8.3         | 3.3                       | 15.0  | _         | _                   | _                      | _         | _                        | _                        | _                        | 3.3                                   |
| Plastics bottle manufacturing  | 17.9         | 7.7         |                           | -   | _         | _                   | _                      | _         | _                        | _                        | _                        | 10.3                                  |
| Other plastics product manufacturing   | 19.7         | 9.5         | 8.1                       | 5.2   | 0.7       | _                   |                        | _         |                          | _                        | _                        | 9.2                                   |
| Plastics plumbing fixture manufacturing  | -            | 17.5        | 7.5                       | 5.0   |           | _                   | _                      | _         |                          | _                        | _                        | 7.5                                   |
| All other plastics product manufacturing   | 27.5<br>19.0 | 8.6         | 8.2                       | 5.0   | _<br>.8   | -                   | _                      | -         | -                        | -                        |                          | 9.4                                   |
|  |              |             | -                         |   |           | _                   | _                      | -         | -                        | -                        | _                        | -                                     |
| Rubber product manufacturing   | 25.8         | 13.9        | 9.0                       | 4.1   | 1.2       | -                   | -                      | -         |                          | -                        | -                        | 10.7                                  |
| Tire manufacturing   | 30.8         | 16.5        | 5.5                       | 3.3   | 2.2       | -                   | -                      | -         |                          | -                        | -                        | 13.2                                  |
| Tire manufacturing (except retreading)<br>Rubber and plastics hoses and belting                    | 30.9         | 14.8        | 6.2                       | 3.7   | 2.5       | -                   | -                      | -         | -                        | -                        | -                        | 13.6                                  |
| manufacturing  | 21.4         | 11.9        | 7.1                       | -   | _         | -                   | -                      | -         | -                        | -                        | -                        | 9.5                                   |
| Other rubber product manufacturing   | 23.2         | 13.4        | 12.5                      | 5.4   | -         | -                   | -                      | -         |                          | -                        | -                        | 8.9                                   |
| Rubber product manufacturing for   |              |             |                           |   |           |                     |                        |           |                          |                          |                          |                                       |
| mechanical use   | 21.4         | 10.0        | 11.4                      | 7.1   | _         | _                   | _                      | _         | _                        | _                        | _                        | 7.1                                   |
| All other rubber product manufacturing   | 26.2         | 19.0        | 14.3                      | _   | _         | _                   | _                      | _         | _                        | _                        | _                        | 11.9                                  |
| Nonmetallic mineral product manufacturing  | 20.9         | 12.3        | 2.5                       | 3.7   | 4.3       | 2.0                 | 0.3                    | 0.3       | _                        | _                        | _                        | 10.2                                  |
| Clay product and refractory manufacturing  | 29.4         | 19.3        | 5.5                       | 2.8   | -         |                     | - 0.0                  |           | _                        | _                        | _                        | 9.2                                   |
| Pottery, ceramics, and plumbing fixture  | 23.4         | 13.5        | 5.5                       | 2.0   |           | _                   |                        | _         |                          | _                        | _                        | 3.2                                   |
|  | 40.0         | <b>25 7</b> | 11 1                      |   |           |                     |                        |           |                          |                          |                          |                                       |
| manufacturing<br>Vitreous china plumbing fixture and china<br>and earthenware bathroom accessories | 40.0         | 25.7        | 11.4                      | _   | -         | _                   | -                      | _         | _                        | _                        | -                        | 8.6                                   |
| manufacturing<br>Vitreous china, fine earthenware, and other                                       | 54.5         | 27.3        | 18.2                      | -   | -         | -                   | -                      | -         | -                        | -                        | -                        | -                                     |
| pottery product manufacturing  | 30.8         | 23.1        | -                         | -   | -         | -                   | -                      | -         | -                        | -                        | -                        | 15.4                                  |
| Porcelain electrical supply manufacturing  | 41.7         | 33.3        | _                         |   | _         | _                   | _                      | _         | _                        | -                        | -                        | -                                     |
| Clay building material and refractories  |              |             |                           |   |           |                     |                        |           |                          |                          |                          |                                       |
| manufacturing  | 24.3         | 16.2        | 4.1                       | 2.7   | _         | _                   | _                      | _         | _                        | _                        | _                        | 9.5                                   |
| Brick and structural clay tile manufacturing   | 25.0         | 16.7        |                           |   | _         | _                   | _                      | _         | L _                      | _                        | _                        |                                       |
| Ceramic wall and floor tile manufacturing  | 23.1         | 15.4        | _                         | _   | _         | _                   | _                      | _         | _                        | _                        | _                        | 15.4                                  |
| Clay refractory manufacturing  | 29.4         | 17.6        |                           |   | _         |                     |                        | _         |                          |                          | _                        | 15.4                                  |
|  |              | -           | _                         | -   | _         | _                   | _                      | -         | -                        | _                        | _                        |                                       |
| Nonclay refractory manufacturing   | 26.7         | 20.0        | 1                         | -   |           |                     | _                      | -         | -                        |                          |                          | -                                     |
| Glass and glass product manufacturing  | 24.8         | 12.0        | 7.5                       | 4.5   | -         | -                   | -                      | -         | -                        | -                        | -                        | 12.0                                  |
| Glass and glass product manufacturing  | 24.8         | 12.0        | 7.5                       | 4.5   | -         | -                   | -                      | -         |                          | -                        | -                        | 12.0                                  |
| Flat glass manufacturing   | 23.1         | -           |                           | -   | -         | -                   | -                      | -         | -                        | -                        | -                        | 15.4                                  |
| Other pressed and blown glass and  |              |             |                           |   |           |                     |                        |           |                          |                          |                          |                                       |
| glassware manufacturing  | 23.8         | 9.5         | 9.5                       | -   | -         | -                   | -                      | -         | -                        | -                        | -                        | 9.5                                   |
| Glass container manufacturing<br>Glass product manufacturing made of                               | 26.1         | 8.7         | -                         | 8.7   | -         | -                   | -                      | -         | -                        | -                        | -                        | 13.0                                  |
| purchased glass  | 25.0         | 14.5        | 7.9                       | 3.9   | _         | _                   | _                      | -         |                          | -                        | _                        | 10.5                                  |
| Cement and concrete product manufacturing  | 18.5         | 11.0        | 1.1                       | 3.7   | 6.5       | 2.6                 | .4                     | .4        | _                        |                          | _                        | 10.6                                  |
| Ready-mix concrete manufacturing   | 17.3         | 10.1        | 1.4                       | 4.3   | 6.9       | 4.3                 |                        | .7        |                          |                          | _                        | 11.6                                  |
| Concrete pipe, brick, and block manufacturing  | 25.5         | 14.7        | - 1.4                     | 4.3   | 7.8       | 4.5                 | -                      |           | -                        |                          | _                        | 9.8                                   |
| Concrete pipe, blick, and block manufacturing  | 20.0         | 14.7        | -                         | 4.9   | 1.0       | -                   | _                      |           | -                        | -                        | -                        | 9.0                                   |

|  |                            |                |       | Perce                  | ent of indu                 | stry case to  | otal involvi                 | ng —                        |  |
|--|----------------------------|----------------|-------|------------------------|-----------------------------|---|------------------------------|-----------------------------|--|
|  |                            |                |       | Contact w              | vith objects                | ;   |                              |                             |  |
| Industry <sup>3</sup>  | NAICS<br>code <sup>4</sup> | Total<br>cases | Total | Struck<br>by<br>object | Struck<br>against<br>object | Caught<br>in or<br>com-<br>pressed<br>or<br>crushed | Fall<br>to<br>lower<br>level | Fall<br>on<br>same<br>level | Slips<br>or<br>trips<br>without<br>fall <sup>5</sup> |
| Concrete block and brick manufacturing   | 327331                     | 610            | 29.5  | 14.8                   | 6.6                         | 6.6   | 3.3                          | 11.5                        | 4.9  |
| Concrete pipe manufacturing  | 327332                     | 420            | 38.1  | 11.9                   | 0.0                         | 16.7  | 9.5                          |                             | 4.5  |
| Other concrete product manufacturing   | 32739                      | 1,400          | 47.9  | 22.1                   | 10.7                        | 12.9  | 10.7                         | 7.9                         | 2.1  |
| Lime and gypsum product manufacturing  | 32733                      | 270            | 29.6  | -                      | -                           | 25.9  | -                            | 29.6                        | -  |
| Gypsum product manufacturing   | 32742                      | 240            | 29.0  | _                      | _                           | 25.9  | _                            | 29.0                        | _  |
| Other nonmetallic mineral product manufacturing                                  | 32742                      | 1,660          |       | 43.4                   | 4.8                         | 5.4   | 2.4                          | 4.8                         | 1.2  |
| Abrasive product manufacturing   | 32791                      | 220            | 40.9  | 13.6                   | 13.6                        | 9.1   | 2.4                          | 4.0                         | 1.2  |
| All other nonmetallic mineral product  | 52791                      | 220            | 40.9  | 13.0                   | 13.0                        | 9.1   | _                            | -                           | _  |
| manufacturing  | 32799                      | 1.440          | 58.3  | 47.2                   | 4.2                         | 4.9   | 2.8                          | 4.9                         | 1.4  |
|  | 32799                      | 890            | 70.8  | 62.9                   | 3.4                         | 3.4   | 2.0                          | 4.9<br>2.2                  | 1.4  |
| Cut stone and stone product manufacturing<br>Ground or treated mineral and earth | 327991                     | 890            | 70.8  | 62.9                   | 3.4                         | 3.4   | _                            | 2.2                         | _  |
|  | 327992                     | 50             | 40.0  |                        |                             |   |                              |                             |  |
| manufacturing  |                            |                |       | -                      |                             | -   | _                            | -                           | _  |
| Mineral wool manufacturing   | 327993                     | 210            | 33.3  | 14.3                   | -                           | 9.5   | -                            | -                           | -  |
| All other miscellaneous nonmetallic mineral                                      | 007000                     | 000            | 44.0  | 04.0                   |                             |   |                              | 40.0                        |  |
| product manufacturing  | 327999                     | 290            | 44.8  | 31.0                   | 6.9                         |   | 6.9                          | 10.3                        |  |
| Primary metal manufacturing  | 331                        | 9,730          | 40.4  | 18.5                   | 6.1                         | 11.6  | 3.5                          | 7.6                         | 2.7  |
| Iron and steel mills and ferroalloy manufacturing                                | 3311                       | 1,360          | 34.6  | 18.4                   | 5.9                         | 9.6   | 6.6                          | 12.5                        | 5.9  |
| Iron and steel mills and ferroalloy  |                            |                |       |                        |                             |   |                              |                             |  |
| manufacturing  | 33111                      | 1,360          | 34.6  | 18.4                   | 5.9                         | 9.6   | 6.6                          | 12.5                        | 5.9  |
| Iron and steel mills   | 331111                     | 1,300          | 33.8  | 16.9                   | 6.2                         | 9.2   | 6.9                          | 13.1                        | 6.2  |
| Steel product manufacturing from purchased                                       |                            |                |       |                        |                             |   |                              |                             |  |
| steel  | 3312                       | 1,330          | 48.1  | 18.0                   | 9.0                         | 18.0  | 3.0                          | 9.0                         | 2.3  |
| Iron and steel pipe and tube manufacturing                                       |                            |                |       |                        |                             |   |                              |                             |  |
| from purchased steel   | 33121                      | 580            | 48.3  | 19.0                   | 8.6                         | 15.5  | 3.4                          | 8.6                         | -  |
| Rolling and drawing of purchased steel   | 33122                      | 750            | 48.0  | 16.0                   | 9.3                         | 20.0  | 2.7                          | 9.3                         | 4.0  |
| Rolled steel shape manufacturing   | 331221                     | 620            | 46.8  | 17.7                   | 9.7                         | 17.7  | 3.2                          | 9.7                         | 4.8  |
| Steel wire drawing   | 331222                     | 130            | 61.5  | 15.4                   | -                           | 30.8  | -                            | -                           | -  |
| Alumina and aluminum production and  |                            |                |       |                        |                             |   |                              |                             |  |
| processing   | 3313                       | 1,230          | 35.8  | 13.8                   | 7.3                         | 12.2  | 2.4                          | 8.9                         | 3.3  |
| Alumina and aluminum production and  |                            |                |       |                        |                             |   |                              |                             |  |
| processing   | 33131                      | 1,230          | 35.8  | 13.8                   | 7.3                         | 12.2  | 2.4                          | 8.9                         | 3.3  |
| Primary aluminum production  | 331312                     | 210            | 42.9  | 9.5                    | -                           | 19.0  | -                            | 14.3                        | -  |
| Secondary smelting and alloying of   |                            |                |       |                        |                             |   |                              |                             |  |
| aluminum   | 331314                     | 180            | 27.8  | 11.1                   | 11.1                        | -   | -                            | -                           | -  |
| Aluminum sheet, plate, and foil  |                            |                |       |                        |                             |   |                              |                             |  |
| manufacturing  | 331315                     | 110            | 36.4  | -                      | -                           | -   | -                            | -                           | -  |
| Aluminum extruded product manufacturing  | 331316                     | 530            | 35.8  | 17.0                   | 3.8                         | 15.1  | -                            | 11.3                        | 3.8  |
| Other aluminum rolling and drawing   | 331319                     | 150            | 46.7  | 20.0                   | 20.0                        |   | -                            | -                           | -  |
| Nonferrous metal (except aluminum) production                                    |                            |                |       |                        |                             |   |                              |                             |  |
| and processing   | 3314                       | 1,330          | 37.6  | 17.3                   | 5.3                         | 12.8  | 3.8                          | 6.0                         | 2.3  |
| Nonferrous metal (except aluminum) smelting                                      |                            | , -            |       |                        |                             |   |                              |                             |  |
| and refining   | 33141                      | 130            | 23.1  | -                      | -                           | -   | _                            | -                           | -  |
|  | 33141                      | 130            | 23.1  | -                      | -                           | -   | _                            | -                           | -  |

|  |       |            |                           |   | Percent of | f industry ca       | ase total in           | volving – | -                        |                          |                          |                                       |
|--|-------|------------|---------------------------|---|------------|---------------------|------------------------|-----------|--------------------------|--------------------------|--------------------------|---------------------------------------|
|  | Overe | exertion   |                           | Expo-<br>sure                                       |            | oortation<br>dents  |                        | A         | Assaults and             | d violent ad             | cts                      |                                       |
|  |       |            |                           | to  | acci       |                     | Fires                  |           |                          | All other                | assaults                 |                                       |
| Industry <sup>3</sup>  | Total | In lifting | Repeti-<br>tive<br>motion | harmful<br>sub-<br>stance<br>or<br>environ-<br>ment | Total      | Highway<br>accident | and<br>explo-<br>sions | Total     | Assaults<br>by<br>person | All<br>other<br>assaults | Assaults<br>by<br>animal | All<br>other<br>events <sup>5,6</sup> |
| Concrete block and brick manufacturing   | 34.4  | 21.3       | _                         | _   | 6.6        | _                   | _                      | _         | _                        | _                        | _                        | 9.8                                   |
| Concrete pipe manufacturing  | 11.9  | _          | _                         | 11.9  | 11.9       | _                   | _                      | _         | _                        | _                        | _                        | 9.5                                   |
| Other concrete product manufacturing   | 16.4  | 10.7       | _                         | 2.1   | 2.9        | 1.4                 | _                      | _         | _                        | _                        | _                        | 8.6                                   |
| Lime and gypsum product manufacturing  | 33.3  | 22.2       | _                         |   |            | -                   | _                      | _         | L _                      | _                        | _                        |                                       |
| Gypsum product manufacturing   |       |            | _                         | _   | _          | _                   | _                      | _         | - I                      | _                        | _                        | _                                     |
| Other nonmetallic mineral product manufacturing  | 18.1  | 10.2       | _                         | 3.6   | 2.4        | 2.4                 | _                      | _         | _                        | _                        | _                        | 9.6                                   |
| Abrasive product manufacturing   | 36.4  | 22.7       | -                         | 9.1   | _          | -                   | -                      | -         | -                        | -                        | -                        | -                                     |
| manufacturing  | 15.3  | 9.0        | _                         | 2.8   | 2.8        | 2.8                 | _                      | _         | - I                      | _                        | _                        | 10.4                                  |
| Cut stone and stone product manufacturing<br>Ground or treated mineral and earth         | 14.6  | 9.0        | -                         | -   | -          | -                   | -                      | -         | -                        | -                        | -                        | 9.0                                   |
| manufacturing  | _     | -          | -                         | -   | _          | -                   | _                      | _         | -                        | _                        | _                        | _                                     |
| Mineral wool manufacturing<br>All other miscellaneous nonmetallic mineral                | 23.8  | 9.5        | -                         | 9.5   | -          | -                   | -                      | -         | -                        | -                        | -                        | 19.0                                  |
| product manufacturing  | 10.3  | _          | _                         | - 1   | 10.3       | 10.3                | _                      | -         | _                        | _                        | _                        | 6.9                                   |
| Primary metal manufacturing  | 21.4  | 8.4        | 4.3                       | 9.1   | 1.3        | _                   | 0.6                    | -         | _                        | _                        | _                        | 8.9                                   |
| Iron and steel mills and ferroalloy manufacturing<br>Iron and steel mills and ferroalloy | 20.6  | 8.1        | 2.2                       | 5.9   | 1.5        | -                   | -                      | -         | -                        | -                        | -                        | 8.8                                   |
| manufacturing  | 20.6  | 8.1        | 2.2                       | 5.9   | 1.5        | -                   | -                      | -         | -                        | -                        | -                        | 8.8                                   |
| Iron and steel mills<br>Steel product manufacturing from purchased                       | 20.8  | 7.7        | 2.3                       | 6.2   | 1.5        | -                   | -                      | -         | -                        | -                        | -                        | 8.5                                   |
| steel<br>Iron and steel pipe and tube manufacturing                                      | 17.3  | 4.5        | 2.3                       | 6.0   | 1.5        | -                   | -                      | -         | -                        | -                        | -                        | 9.8                                   |
| from purchased steel   | 15.5  | 5.2        | 3.4                       | 8.6   | -          | -                   | -                      | -         | -                        | -                        | -                        | 10.3                                  |
| Rolling and drawing of purchased steel   | 18.7  | 4.0        | -                         | 4.0   | -          | -                   | -                      | -         | -                        | -                        | -                        | 9.3                                   |
| Rolled steel shape manufacturing   | 19.4  | 3.2        |                           | 3.2   | -          | -                   | -                      | -         | -                        | -                        | -                        | 11.3                                  |
| Steel wire drawing<br>Alumina and aluminum production and                                | 15.4  | -          | -                         | -   | -          | -                   | -                      | -         | -                        | -                        | -                        | -                                     |
| processing<br>Alumina and aluminum production and  | 23.6  | 8.9        | 2.4                       | 10.6  | 1.6        | -                   | -                      | -         | -                        | -                        | -                        | 10.6                                  |
| processing   | 23.6  | 8.9        | 2.4                       | 10.6  | 1.6        | -                   | -                      | _         |                          | -                        | -                        | 10.6                                  |
| Primary aluminum production<br>Secondary smelting and alloying of                        | 14.3  | -          | -                         | 14.3  | -          | -                   | -                      | -         | -                        | -                        | -                        | -                                     |
| aluminum<br>Aluminum sheet, plate, and foil  | 27.8  | 11.1       | -                         | 16.7  | -          | -                   | -                      | -         | -                        | -                        | -                        | 11.1                                  |
| manufacturing  | 27.3  | -          | -                         | -   | -          | -                   | -                      | -         |                          | -                        | -                        |                                       |
| Aluminum extruded product manufacturing  | 26.4  | 13.2       | -                         | 7.5   | -          | -                   | _                      | -         | -                        | -                        | -                        | 11.3                                  |
| Other aluminum rolling and drawing   | 20.0  | _          | -                         | _   | -          | -                   | _                      | -         | -                        | -                        | -                        | 13.3                                  |
| Nonferrous metal (except aluminum) production  | -     |            |                           |   |            |                     |                        |           |                          |                          |                          |                                       |
| and processing   | 27.1  | 10.5       | 5.3                       | 6.8   | 1.5        | -                   | -                      | -         | -                        | -                        | -                        | 9.8                                   |
| and refining   | 23.1  | -          | -                         | 15.4  | -          | -                   | -                      | -         | -                        | -                        | -                        | -                                     |

|  |                            |                |              | Perce                  | ent of indu                 | stry case to  | otal involvii                | ng —                        |  |
|--|----------------------------|----------------|--------------|------------------------|-----------------------------|---|------------------------------|-----------------------------|--|
|  |                            |                |              | Contact w              | vith objects                |   |                              |                             |  |
| Industry <sup>3</sup>  | NAICS<br>code <sup>4</sup> | Total<br>cases | Total        | Struck<br>by<br>object | Struck<br>against<br>object | Caught<br>in or<br>com-<br>pressed<br>or<br>crushed | Fall<br>to<br>lower<br>level | Fall<br>on<br>same<br>level | Slips<br>or<br>trips<br>without<br>fall <sup>5</sup> |
| Primary smelting and refining of copper<br>Primary smelting and refining of nonferrous   | 331411                     | 30             | -            | _                      | _                           | -   | _                            | _                           | _  |
| metal (except copper and aluminum)<br>Copper rolling, drawing, extruding, and  | 331419                     | 100            | 20.0         | -                      | -                           | -   | -                            | -                           | -  |
|  | 33142                      | 790            | 20.2         | 10.0                   | 6.2                         | 12.7  | 25                           | 6.2                         | 2 5  |
| alloying<br>Copper rolling, drawing, and extruding   | 33142                      | 790<br>320     | 39.2<br>37.5 | 19.0<br>15.6           | 6.3                         | 12.7  | 2.5                          | 6.3                         | 2.5  |
| Copper vire (except mechanical) drawing  | 331421                     | 320<br>410     | 37.5<br>41.5 | 22.0                   | 7.3                         | 12.2  |                              | 7.3                         |  |
| Secondary smelting, refining, and alloying   | 331422                     | 410            | 41.5         | 22.0                   | 1.5                         | 12.2  | _                            | 7.5                         | -  |
| of copper<br>Nonferrous metal (except copper and   | 331423                     | 60             | -            | -                      | -                           | -   | -                            | -                           | -  |
| aluminum) rolling, drawing, extruding, and alloying  | 33149                      | 410            | 39.0         | 17.1                   | -                           | 14.6  | -                            | 7.3                         | -  |
| Nonferrous metal (except copper and<br>aluminum) rolling, drawing, and extruding<br>Secondary smelting, refining, and alloying | 331491                     | 270            | 37.0         | 18.5                   | -                           | 14.8  | -                            | 11.1                        | -  |
| of nonferrous metal (except copper and   |                            |                |              |                        |                             |   |                              |                             |  |
| aluminum)  | 331492                     | 150            | 33.3         | 13.3                   | -                           | 13.3  | -                            | -                           | -  |
| Foundries  | 3315                       | 4,480          | 41.7         | 20.5                   | 5.1                         | 9.6   | 2.9                          | 5.6                         | 1.8  |
| Ferrous metal foundries  | 33151                      | 2,530          | 41.9         | 18.2                   | 6.3                         | 7.9   | 4.0                          | 5.1                         | .8   |
| Iron foundries   |                            | 1,670          | 37.1         | 15.0                   | 6.6                         | 6.6   | 4.8                          | 6.0                         | -  |
| Steel investment foundries   |                            | 270            | 37.0         | 14.8                   | 7.4                         | 7.4   | -                            | -                           | -  |
| Steel foundries (except investment)  |                            | 590            | 55.9         | 30.5                   | 6.8                         | 10.2  | -                            | 3.4                         | -  |
| Nonferrous metal foundries   | 33152                      | 1,940          | 41.8         | 23.7                   | 3.6                         | 11.9  | 2.1                          | 6.7                         | 2.6  |
| Aluminum die-casting foundries<br>Nonferrous (except aluminum) die-casting   | 331521                     | 470            | 36.2         | 19.1                   | 4.3                         | 8.5   | _                            | 10.6                        | -  |
| foundries  | 331522                     | 190            | 26.3         | 10.5                   | -                           | 10.5  | -                            | 10.5                        | -  |
| Aluminum foundries (except die-casting)  | 331524                     | 560            | 37.5         | 12.5                   | 5.4                         | 14.3  | -                            | 5.4                         | -  |
| Copper foundries (except die-casting)<br>Other nonferrous foundries (except  | 331525                     | 200            | 40.0         | 30.0                   | -                           | -   | -                            | _                           | -  |
| die-casting)   | 331528                     | 530            | 58.5         | 41.5                   | -                           | 13.2  | -                            | _                           | 5.7  |
| Fabricated metal product manufacturing   | 332                        | 27,760         | 46.4         | 22.2                   | 7.9                         | 11.7  | 3.0                          | 7.7                         | 1.8  |
| Forging and stamping   |                            | 2,200          | 42.3         | 18.2                   | 9.5                         | 11.8  | 1.4                          | 13.2                        | 1.8  |
| Forging and stamping   |                            | 2,200          | 42.3         | 18.2                   | 9.5                         | 11.8  | 1.4                          | 13.2                        | 1.8  |
| Iron and steel forging   | 332111                     | 700            | 44.3         | 22.9                   | 7.1                         | 7.1   | 2.9                          | 7.1                         | -  |
| Nonferrous forging   |                            | 130            | 38.5         | 23.1                   | -                           | 15.4  | -                            | 15.4                        | -  |
| Custom roll forming  |                            | 70             | 57.1         | -                      | -                           | 28.6  | -                            | -                           | -  |
| Metal stamping   | 332116                     | 1,100          | 42.7         | 16.4                   | 11.8                        | 13.6  | -                            | 17.3                        | 1.8  |
| Powder metallurgy part manufacturing   | 332117                     | 130            | 23.1         |                        | -                           |   | -                            | 15.4                        | -  |
| Cutlery and handtool manufacturing   |                            | 750            | 37.3         | 14.7                   | 6.7                         | 14.7  | 2.7                          | 8.0                         | -  |
| Cutlery and handtool manufacturing   | 33221                      | 750            | 37.3         | 14.7                   | 6.7                         | 14.7  | 2.7                          | 8.0                         | -  |
| Cutlery and flatware (except precious)<br>manufacturing  | 332211                     | 120            | 33.3         | 16.7                   | -                           | _   | _                            | _                           | _  |

|  |       |            | 1                         |   | Percent of | f industry ca       | ase total in           | volving — | -                        |                          |                          | 1                                     |
|--|-------|------------|---------------------------|---|------------|---------------------|------------------------|-----------|--------------------------|--------------------------|--------------------------|---------------------------------------|
|  | Overe | exertion   | -                         | Expo-<br>sure                                       |            | oortation<br>dents  |                        | A         | ssaults and              | d violent a              | cts                      | -                                     |
| La durata 2  |       |            | Deneti                    | to  |            |                     | Fires                  |           |                          | All other                | assaults                 |                                       |
| Industry <sup>3</sup>  | Total | In lifting | Repeti-<br>tive<br>motion | harmful<br>sub-<br>stance<br>or<br>environ-<br>ment | Total      | Highway<br>accident | and<br>explo-<br>sions | Total     | Assaults<br>by<br>person | All<br>other<br>assaults | Assaults<br>by<br>animal | All<br>other<br>events <sup>5,6</sup> |
| Primary smelting and refining of copper<br>Primary smelting and refining of nonferrous   | -     | -          | -                         | -   | -          | -                   | -                      | _         | -                        | -                        | -                        | -                                     |
| metal (except copper and aluminum)<br>Copper rolling, drawing, extruding, and  | 30.0  | -          | -                         | -   | _          | -                   | -                      | _         | -                        | -                        | -                        | -                                     |
| alloying   | 29.1  | 10.1       | 5.1                       | 3.8   | -          | -                   | -                      | -         | -                        | -                        | -                        | 10.1                                  |
| Copper rolling, drawing, and extruding   | 28.1  | 12.5       | 6.2                       | 6.2   | -          | -                   | -                      | -         | -                        | -                        | -                        | 12.5                                  |
| Copper wire (except mechanical) drawing<br>Secondary smelting, refining, and alloying  | 29.3  | 7.3        | 4.9                       | -   | -          | -                   | -                      | -         | -                        | -                        | -                        | 9.8                                   |
| of copper<br>Nonferrous metal (except copper and   | 33.3  | -          | -                         | -   | _          | -                   | -                      | _         | -                        | -                        | -                        | -                                     |
| aluminum) rolling, drawing, extruding, and alloying  | 24.4  | 9.8        | 4.9                       | 9.8   | -          | -                   | -                      | _         | -                        | -                        | -                        | 9.8                                   |
| Nonferrous metal (except copper and<br>aluminum) rolling, drawing, and extruding<br>Secondary smelting, refining, and alloying<br>of nonferrous metal (except copper and | 22.2  | 7.4        | 7.4                       | -   | -          | -                   | -                      | -         | -                        | -                        | -                        | 11.1                                  |
| aluminum)  | 20.0  | 13.3       | _                         | 20.0  | _          | _                   | _                      | _         | _                        | _                        | _                        | _                                     |
| Foundries  | 20.0  | 9.2        | 5.8                       | 11.6  | 0.9        | _                   | 0.7                    | _         | _                        | _                        | _                        | 8.3                                   |
| Ferrous metal foundries  | 20.0  | 8.7        | 5.9                       | 10.3  | .8         | _                   | 1.2                    | _         | _                        | _                        | _                        | 8.7                                   |
| Iron foundries   | 25.7  | 10.2       | 4.8                       | 10.0  | 1.2        | _                   | _                      | _         | _                        | _                        | _                        | 9.6                                   |
| Steel investment foundries   | 22.2  | 7.4        | 18.5                      | 11.1  | _          | _                   | _                      | _         | _                        | _                        | _                        | -                                     |
| Steel foundries (except investment)  | 11.9  | 5.1        | 3.4                       | 10.2  | _          | _                   | _                      | _         | _                        | _                        | _                        | 8.5                                   |
| Nonferrous metal foundries   | 18.6  | 9.8        | 6.2                       | 13.4  | 1.0        | _                   | _                      | _         | _                        | _                        | _                        | 7.7                                   |
| Aluminum die-casting foundries   | 21.3  | 8.5        | 8.5                       | 10.6  | _          | _                   | _                      | _         | _                        | _                        | _                        | 6.4                                   |
| Nonferrous (except aluminum) die-casting   |       |            |                           |   |            |                     |                        |           |                          |                          |                          |                                       |
| foundries  | 15.8  | 10.5       |                           | 15.8  | _          | _                   | -                      | _         | -                        | -                        | -                        | 15.8                                  |
| Aluminum foundries (except die-casting)  | 19.6  | 7.1        | 7.1                       | 16.1  | -          | -                   | -                      | _         | -                        | -                        | -                        | 7.1                                   |
| Copper foundries (except die-casting)<br>Other nonferrous foundries (except  | 10.0  | -          | -                         | 35.0  | _          | -                   | -                      | _         | -                        | -                        | -                        | -                                     |
| die-casting)   | 17.0  | 17.0       | -                         |   | -          | -                   | -                      | _         | -                        | -                        | -                        | 7.5                                   |
| Fabricated metal product manufacturing   | 20.3  | 11.0       | 5.3                       | 5.4   | 1.4        | 0.5                 | .3                     | 0.2       | 0.1                      | 0.1                      | 0.1                      | 8.4                                   |
| Forging and stamping   | 20.9  | 8.6        | 5.9                       | 5.0   | .9         | -                   | -                      | -         | -                        | -                        | -                        | 8.2                                   |
| Forging and stamping   | 20.9  | 8.6        | 5.9                       | 5.0   | .9         | -                   | -                      | -         | -                        | -                        | -                        | 8.2                                   |
| Iron and steel forging   | 17.1  | 7.1        | 5.7                       | 4.3   | -          | -                   | -                      | -         | -                        | -                        | -                        | 15.7                                  |
| Nonferrous forging   |       | -          | -                         | 15.4  | -          | -                   | -                      | -         |                          | -                        | -                        | -                                     |
| Custom roll forming  | _     | -          | -                         |   | -          | -                   | -                      | -         | -                        | -                        | -                        | -                                     |
| Metal stamping   | 22.7  | 10.9       | 4.5                       | 5.5   | -          | -                   | -                      | -         | -                        | -                        | -                        | 4.5                                   |
| Powder metallurgy part manufacturing   | 38.5  | -          | 23.1                      | -   | -          | -                   | -                      | -         | -                        | -                        | -                        | -                                     |
| Cutlery and handtool manufacturing   | 21.3  | 12.0       | 13.3                      | 6.7   | -          | -                   | -                      | -         | -                        | -                        | -                        | 8.0                                   |
| Cutlery and handtool manufacturing<br>Cutlery and flatware (except precious)   | 21.3  | 12.0       | 13.3                      | 6.7   | _          | -                   | -                      | _         | -                        | -                        | -                        | 8.0                                   |
| manufacturing  | 16.7  | -          | 16.7                      | -   | -          | -                   | -                      | -         | -                        | -                        | -                        | -                                     |

|   |                            |                |             | Perce                  | ent of indu                 | stry case to  | tal involvi                  | ng —                        |   |
|---|----------------------------|----------------|-------------|------------------------|-----------------------------|---|------------------------------|-----------------------------|---|
|   |                            |                |             | Contact w              | vith objects                | ;   |                              |                             |   |
| Industry <sup>3</sup>   | NAICS<br>code <sup>4</sup> | Total<br>cases | Total       | Struck<br>by<br>object | Struck<br>against<br>object | Caught<br>in or<br>com-<br>pressed<br>or<br>crushed | Fall<br>to<br>lower<br>level | Fall<br>on<br>same<br>level | Slips<br>or<br>trips<br>withou<br>fall <sup>5</sup> |
| Hand and edge tool manufacturing                                    | 332212                     | 390            | 41.0        | 17.9                   | 7.7                         | 12.8  | _                            | 10.3                        | _   |
| Saw blade and handsaw manufacturing                                 | 332213                     | 170            | 41.2        |                        | _                           | 29.4  | _                            | -                           |   |
| Kitchen utensil, pot, and pan manufacturing                         | 332213                     | 70             | 41.2        |                        | _                           | 29.4  | _                            | _                           | _   |
| Architectural and structural metals                                 | 552214                     | 70             | _           | _                      | _                           | -   | _                            | _                           | _   |
|   | 2222                       | 0.110          | <b>F1 O</b> | 26.6                   | 0.1                         | 11.0  | 2.0                          | 6.2                         | 1   |
| manufacturing   | 3323                       | 9,110          | 51.0        | 26.6                   | 8.1                         | 11.9  | 2.9                          | 6.3                         | 1.4   |
| Plate work and fabricated structural product                        | 00004                      | 4 400          | 54.0        | 07.0                   |                             | 40.5  |                              | 5.4                         |   |
| manufacturing   | 33231                      | 4,480          | 51.8        | 27.9                   | 8.3                         | 12.5  | 3.8                          | 5.1                         | 1.:   |
| Prefabricated metal building and                                    |                            |                |             |                        |                             |   |                              |                             |   |
| component manufacturing   | 332311                     | 440            | 52.3        | 29.5                   | 6.8                         | 15.9  | 4.5                          | 4.5                         | -   |
| Fabricated structural metal manufacturing                           | 332312                     | 3,060          | 52.3        | 28.8                   | 8.2                         | 12.1  | 3.3                          | 5.6                         | 1.0   |
| Plate work manufacturing  | 332313                     | 970            | 50.5        | 25.8                   | 8.2                         | 12.4  | 4.1                          | 5.2                         | 2.  |
| Ornamental and architectural metal products                         |                            |                |             |                        |                             |   |                              |                             |   |
| manufacturing   | 33232                      | 4,630          | 50.3        | 25.3                   | 8.2                         | 11.4  | 1.9                          | 7.1                         | 1.  |
| Metal window and door manufacturing                                 | 332321                     | 1,300          | 43.8        | 21.5                   | 10.8                        | 7.7   | 2.3                          | 3.8                         | 1.  |
| Sheet metal work manufacturing                                      | 332322                     | 2,180          | 48.2        | 19.3                   | 7.3                         | 14.7  | 1.4                          | 10.6                        |   |
| Ornamental and architectural metal work                             |                            |                |             |                        |                             |   |                              |                             |   |
| manufacturing   | 332323                     | 1,150          | 60.9        | 40.9                   | 7.0                         | 8.7   | 3.5                          | 4.3                         | 2.  |
| Boiler, tank, and shipping container                                |                            |                |             |                        |                             |   |                              |                             |   |
| manufacturing   | 3324                       | 1,820          | 43.4        | 24.2                   | 4.9                         | 9.3   | 5.5                          | 6.0                         | 2.  |
| Power boiler and heat exchanger                                     |                            | ,              |             |                        |                             |   |                              |                             |   |
| manufacturing   | 33241                      | 280            | 50.0        | 28.6                   | _                           | 17.9  | _                            | _                           | _   |
| Metal tank (heavy gauge) manufacturing                              | 33242                      | 780            | 41.0        | 21.8                   | 5.1                         | 6.4   | 5.1                          | 5.1                         | _   |
| Metal can, box, and other metal container                           |                            |                |             |                        | 0                           | 0.1   | 0                            | 0                           |   |
| (light gauge) manufacturing   | 33243                      | 760            | 43.4        | 23.7                   | 5.3                         | 10.5  | 6.6                          | 7.9                         | 2.  |
| Metal can manufacturing   | 332431                     | 270            | 40.7        | 14.8                   | 7.4                         | 14.8  | 7.4                          | 7.4                         |   |
| Other metal container manufacturing                                 | 332439                     | 490            | 44.9        | 28.6                   | 4.1                         | 8.2   | _                            | 8.2                         | _   |
| Hardware manufacturing  | 3325                       | 330            | 45.5        | 21.2                   | 9.1                         | 12.1  | _                            | 6.1                         | _   |
| Spring and wire product manufacturing                               | 3326                       | 1,080          | 44.4        | 21.3                   | 5.6                         | 13.0  | 2.8                          | 8.3                         | _   |
| Spring and wire product manufacturing                               | 33261                      | 1,080          | 44.4        | 21.3                   | 5.6                         | 13.0  | 2.8                          | 8.3                         | _   |
| Spring (heavy gauge) manufacturing                                  | 332611                     | 120            | 58.3        | 50.0                   | - 5.0                       | 16.7  | 2.0                          | - 0.5                       |   |
|   | 332612                     | 210            | 38.1        | 14.3                   | 9.5                         | 9.5   | _                            |                             | _   |
| Spring (light gauge) manufacturing<br>Other fabricated wire product | 332012                     | 210            | 30.1        | 14.5                   | 9.5                         | 9.5   | _                            | _                           | _   |
|   | 222240                     | 750            | 42.7        | 40.7                   | 4.0                         | 447   | 0.7                          | 0.0                         |   |
| manufacturing   | 332618                     | 750            | 42.7        | 18.7                   | 4.0                         | 14.7  | 2.7                          | 9.3                         | -   |
| Machine shops; turned product; and screw, nut,                      | 0007                       | 5 500          | 47.4        | 01.1                   | 7 5                         | 40.0  |                              | 7.0                         |   |
| and bolt manufacturing  | 3327                       | 5,580          | 47.1        | 21.1                   | 7.5                         | 13.8  | 2.3                          | 7.2                         | 2.  |
| Machine shops   | 33271                      | 4,250          | 49.9        | 22.1                   | 7.3                         | 14.8  | 2.6                          | 5.9                         | 3.  |
| Turned product and screw, nut, and bolt                             |                            |                |             | 4                      |                             |   |                              |                             |   |
| manufacturing   | 33272                      | 1,340          | 38.1        | 17.2                   | 8.2                         | 9.7   | -                            | 11.9                        |   |
| Precision turned product manufacturing                              | 332721                     | 770            | 32.5        | 10.4                   | 11.7                        | 7.8   | -                            | 13.0                        | -   |
| Bolt, nut, screw, rivet, and washer                                 |                            |                |             |                        |                             |   |                              |                             |   |
| manufacturing   | 332722                     | 570            | 47.4        | 26.3                   | 3.5                         | 12.3  | _                            | 10.5                        | -   |

|   |       |            |                           |   | Percent of | , , ,               |                        | - 5   |                          |                          |                          | 1     |
|---|-------|------------|---------------------------|---|------------|---------------------|------------------------|-------|--------------------------|--------------------------|--------------------------|-------|
|   | Overe | xertion    | -                         | Expo-<br>sure                                       |            | oortation<br>dents  |                        | A     | ssaults and              | d violent ad             | cts                      | -     |
| la durata 2   |       |            | Donoti                    | to  |            |                     | Fires                  |       |                          | All other                | assaults                 | All   |
| Industry <sup>3</sup>   | Total | In lifting | Repeti-<br>tive<br>motion | harmful<br>sub-<br>stance<br>or<br>environ-<br>ment | Total      | Highway<br>accident | and<br>explo-<br>sions | Total | Assaults<br>by<br>person | All<br>other<br>assaults | Assaults<br>by<br>animal | other |
| Hand and edge tool manufacturing  | 20.5  | 10.3       | 12.8                      | _   | _          | _                   | _                      | _     | _                        | _                        | _                        | 7.7   |
| Saw blade and handsaw manufacturing   | 17.6  | 11.8       | -                         | 23.5  | _          | _                   | _                      | _     | _                        | _                        | _                        |       |
| Kitchen utensil, pot, and pan manufacturing                                   | 28.6  | -          | 28.6                      |   | _          |                     |                        |       |                          |                          | _                        |       |
| Architectural and structural metals   | 20.0  | _          | 20.0                      | _   | _          | _                   | _                      | _     | _                        | _                        | _                        | _     |
|   | 40.0  | 40.5       |                           |   |            | 0.0                 | 0.0                    |       |                          |                          |                          |       |
| manufacturing   | 19.2  | 10.5       | 3.1                       | 5.4   | 1.4        | 0.8                 | 0.3                    | -     | -                        | -                        | -                        | 8.9   |
| Plate work and fabricated structural product                                  |       |            |                           |   |            |                     |                        |       |                          |                          |                          |       |
| manufacturing<br>Prefabricated metal building and                             | 15.8  | 8.0        | 3.1                       | 8.0   | .9         | _                   | .7                     | -     | -                        | _                        | -                        | 9.4   |
| component manufacturing   | 13.6  | 9.1        | 4.5                       | 13.6  | _          | -                   | _                      | _     | _                        | _                        | _                        | 9.1   |
| Fabricated structural metal manufacturing                                     | 14.7  | 7.5        | 3.3                       | 7.2   | 1.0        | _                   | .7                     | _     | _                        | _                        | _                        | 10.5  |
| Plate work manufacturing  | 21.6  | 9.3        | 2.1                       | 8.2   | _          | _                   |                        | _     | _                        | _                        | _                        | 6.2   |
| Ornamental and architectural metal products                                   | -     |            |                           |   |            |                     | _                      |       |                          |                          |                          |       |
| manufacturing   | 22.5  | 13.2       | 3.0                       | 3.0   | 1.9        | 1.3                 | -                      | -     | -                        | -                        | -                        | 8.4   |
| Metal window and door manufacturing   | 32.3  | 16.9       | 5.4                       | 1.5   | 1.5        | -                   | -                      | -     | -                        | -                        | -                        | 8.5   |
| Sheet metal work manufacturing<br>Ornamental and architectural metal work     | 20.6  | 11.9       | 1.4                       | 3.7   | 3.2        | 2.3                 | -                      | -     | -                        | _                        | -                        | 10.1  |
| manufacturing<br>Boiler, tank, and shipping container                         | 14.8  | 10.4       | 3.5                       | 3.5   | -          | -                   | -                      | -     | -                        | _                        | -                        | 6.1   |
| Power boiler and heat exchanger   | 20.9  | 6.6        | 3.8                       | 8.2   | -          | -                   | -                      | -     | -                        | -                        | -                        | 9.3   |
| manufacturing   | 28.6  | 7.1        |                           |   |            |                     |                        |       |                          |                          |                          |       |
| Metal tank (heavy gauge) manufacturing  | 20.0  | 3.8        | 5.1                       | 6.4   | _          | _                   | _                      | _     | _                        | _                        | _                        | 10.3  |
| Metal can, box, and other metal container                                     |       |            |                           |   |            |                     |                        |       |                          |                          |                          |       |
| (light gauge) manufacturing   | 15.8  | 10.5       | 2.6                       | 10.5  | -          | -                   | -                      | -     | -                        | -                        | -                        | 10.5  |
| Metal can manufacturing   | 18.5  | 7.4        | 7.4                       | -   | -          | -                   | -                      | -     | -                        | -                        | -                        | 11.1  |
| Other metal container manufacturing   | 14.3  | 12.2       | -                         | 14.3  | -          | -                   | -                      | -     | -                        | -                        | -                        | 10.2  |
| Hardware manufacturing  | 24.2  | 9.1        | 6.1                       | -   | -          | -                   | -                      | -     | -                        | -                        | -                        | 12.1  |
| Spring and wire product manufacturing   | 22.2  | 13.9       | 9.3                       | 3.7   | 2.8        | _                   | _                      | _     | _                        | _                        | _                        | 4.6   |
| Spring and wire product manufacturing   | 22.2  | 13.9       | 9.3                       | 3.7   | 2.8        | _                   | _                      | _     | _                        | _                        | _                        | 4.6   |
| Spring (heavy gauge) manufacturing  | 16.7  | 16.7       |                           |   |            |                     | _                      | _     | _                        | _                        | _                        |       |
| Spring (light gauge) manufacturing<br>Other fabricated wire product           | 28.6  | 19.0       | 9.5                       | 9.5   | _          | -                   | -                      | -     | -                        | _                        | _                        | -     |
| manufacturing   | 21.3  | 12.0       | 12.0                      | 2.7   | 2.7        | -                   | -                      | -     | -                        | -                        | -                        | 5.3   |
| Machine shops; turned product; and screw, nut,                                | 00.4  | 440        |                           |   |            |                     |                        |       |                          |                          |                          |       |
| and bolt manufacturing  | 22.4  | 14.2       | 4.1                       | 4.7   | 1.4        | 1.1                 | -                      | -     | -                        | -                        | -                        | 7.7   |
| Machine shops<br>Turned product and screw, nut, and bolt                      | 21.2  | 13.2       | 3.8                       | 4.5   | 1.6        | 1.2                 | -                      | -     | -                        | -                        | -                        | 6.8   |
| manufacturing   | 26.1  | 17.2       | 6.0                       | 4.5   | -          | -                   | -                      | -     | -                        | _                        | -                        | 10.4  |
| Precision turned product manufacturing<br>Bolt, nut, screw, rivet, and washer | 28.6  | 18.2       | 6.5                       | 6.5   | -          | -                   | -                      | -     | -                        | -                        | -                        | 13.0  |
| manufacturing   | 22.8  | 14.0       | 5.3                       | 3.5   | _          | _                   | _                      |       |                          | _                        | _                        | 8.8   |
|   | 22.0  | 14.0       | 0.0                       | 0.0   | -          |                     | -                      | _     | _                        | _                        |                          | 0.0   |

|  |                            |                 |              | Perce                  | ent of indu                 | stry case to  | otal involvi                 | ng —                        |  |
|--|----------------------------|-----------------|--------------|------------------------|-----------------------------|---|------------------------------|-----------------------------|--|
|  |                            |                 |              | Contact w              | vith objects                |   |                              |                             |  |
| Industry <sup>3</sup>  | NAICS<br>code <sup>4</sup> | Total<br>cases  | Total        | Struck<br>by<br>object | Struck<br>against<br>object | Caught<br>in or<br>com-<br>pressed<br>or<br>crushed | Fall<br>to<br>lower<br>level | Fall<br>on<br>same<br>level | Slips<br>or<br>trips<br>without<br>fall <sup>5</sup> |
| Coating, engraving, heat treating, and allied activities   | 3328                       | 2,930           | 39.2         | 18.1                   | 8.9                         | 7.2   | 4.8                          | 9.9                         | 1.4  |
| Coating, engraving, heat treating, and allied  |                            |                 |              |                        |                             |   |                              |                             |  |
| activities<br>Metal heat treating<br>Metal coating, engraving (except jewelry<br>and silverware), and allied services to | 33281<br>332811            | 2,930<br>390    | 39.2<br>48.7 | 18.1<br>15.4           | 8.9<br>12.8                 | 7.2<br>12.8   | 4.8<br>_                     | 9.9<br>10.3                 | 1.4  |
| manufacturers  | 332812                     | 1,050           | 40.0         | 22.9                   | 11.4                        | 2.9   | 1.9                          | 15.2                        | 1.9  |
| and coloring   | 332813                     | 1,490           | 36.2         | 15.4                   | 6.0                         | 8.7   | 8.1                          | 5.4                         | 1.3  |
| Other fabricated metal product manufacturing   | 3329                       | 3,960           | 45.5         | 20.2                   | 8.8                         | 12.1  | 3.0                          | 7.8                         | 2.0  |
| Metal valve manufacturing  | 33291                      | 1,030           | 35.9         | 15.5                   | 5.8                         | 10.7  | 1.9                          | 9.7                         | -  |
| Industrial valve manufacturing<br>Fluid power valve and hose fitting   | 332911                     | 340             | 41.2         | 20.6                   | 5.9                         | 8.8   | -                            | 5.9                         | -  |
| manufacturing<br>Plumbing fixture fitting and trim   | 332912                     | 340             | 29.4         | 8.8                    | -                           | 11.8  | -                            | 14.7                        | -  |
| manufacturing<br>Other metal valve and pipe fitting  | 332913                     | 70              | -            | -                      | -                           | -   | -                            | _                           | -  |
| manufacturing<br>All other fabricated metal product  | 332919                     | 290             | 41.4         | 20.7                   | 6.9                         | 10.3  | -                            | _                           | -  |
| manufacturing  | 33299                      | 2,930           | 48.8         | 21.8                   | 9.9                         | 12.6  | 3.4                          | 7.5                         | 2.4  |
| Ball and roller bearing manufacturing<br>Small arms ammunition manufacturing   | 332991<br>332992           | 390<br>130      | 28.2<br>23.1 | 12.8                   | 7.7                         | 7.7<br>15.4   | -                            | 15.4<br>—                   | 5.1<br>-   |
| Ammunition (except small arms)   | 000000                     | 70              | 00.0         |                        |                             |   |                              | 00.0                        |  |
| manufacturing<br>Small arms manufacturing  | 332993<br>332994           | 70<br>150       | 28.6<br>33.3 | -                      | _                           | _<br>13.3   | -                            | 28.6<br>—                   | -  |
| Other ordnance and accessories<br>manufacturing  | 332995                     | 40              | 50.0         | -                      | -                           | -   | -                            | _                           | -  |
| Fabricated pipe and pipe fitting<br>manufacturing<br>Industrial pattern manufacturing                                    | 332996<br>332997           | 660<br>90       | 62.1<br>66.7 | 27.3<br>22.2           | 9.1<br>33.3                 | 16.7  | 3.0                          | 3.0                         | -  |
| Enameled iron and metal sanitary ware manufacturing  | 332998                     | 100             | 20.0         |                        |                             |   | _                            | 20.0                        |  |
| All other miscellaneous fabricated metal   |                            |                 |              |                        |                             |   |                              |                             |  |
| product manufacturing<br>Machinery manufacturing   | 332999<br>333              | 1,300<br>15,890 | 55.4<br>42.4 | 26.9<br>20.6           | 9.2<br>7.6                  | 13.8<br>10.4  | 3.1<br>3.1                   | 5.4<br>7.0                  | 2.3<br>1.8   |
| Agriculture, construction, and mining machinery<br>manufacturing   | 3331                       | 3,410           | 42.2         | 22.9                   | 5.3                         | 10.3  | 2.9                          | 7.3                         | 1.8  |
| Agricultural implement manufacturing<br>Farm machinery and equipment   | 33311                      | 1,280           | 42.2         | 22.9                   | 3.9                         | 10.3  | 1.6                          | 6.2                         | 1.6  |
| manufacturing  | 333111                     | 1,100           | 40.9         | 23.6                   | 2.7                         | 10.0  | 1.8                          | 5.5                         | 1.8  |

|  |           |            | 1              | 1  | Percent o | f industry ca       | ase total ir           | volving — |                          |                          |                          | 1                              |
|--|-----------|------------|----------------|--|-----------|---------------------|------------------------|-----------|--------------------------|--------------------------|--------------------------|--------------------------------|
|  | Overe     | exertion   |                | Expo-<br>sure                            |           | ortation dents      |                        | A         | ssaults and              | d violent a              | cts                      | _                              |
| Industry <sup>3</sup>  |           |            | Repeti-        | to                                       | acci      |                     | Fires                  |           |                          | All other                | assaults                 | All                            |
| industry   | Total     | In lifting | tive<br>motion | sub-<br>stance<br>or<br>environ-<br>ment | Total     | Highway<br>accident | and<br>explo-<br>sions | Total     | Assaults<br>by<br>person | All<br>other<br>assaults | Assaults<br>by<br>animal | other<br>events <sup>5,0</sup> |
| Coating, engraving, heat treating, and allied activities   | 20.5      | 11.9       | 6.1            | 7.8                                      | 2.0       | 0.7                 | _                      | 0.7       |                          |                          | _                        | 7.5                            |
| Coating, engraving, heat treating, and allied  | 20.5      | 11.9       | 0.1            | 1.0                                      | 2.0       | 0.7                 | -                      | 0.7       | _                        | _                        | _                        | 7.5                            |
| activities   | 20.5      | 11.9       | 6.1            | 7.8                                      | 2.0       | .7                  | -                      | .7        |                          | -                        | _                        | 7.5                            |
| Metal heat treating<br>Metal coating, engraving (except jewelry<br>and silverware), and allied services to | 15.4      | 5.1        | _              | 7.7                                      | _         | -                   | -                      | _         | -                        | _                        | -                        | 12.8                           |
| manufacturers  | 24.8      | 11.4       | 2.9            | 5.7                                      | 1.9       | -                   | -                      | 1.9       | -                        | -                        | -                        | 3.8                            |
| and coloring   | 19.5      | 13.4       | 10.1           | 9.4                                      | 2.0       | _                   | _                      | _         | _                        | _                        | _                        | 8.1                            |
| Other fabricated metal product manufacturing   | 17.9      | 9.1        | 9.1            | 4.0                                      | 1.0       | _                   | 0.5                    | _         | _                        | _                        | _                        | 8.8                            |
| Metal valve manufacturing  | 21.4      | 10.7       | 13.6           | 3.9                                      | _         | _                   | _                      | _         | _                        | _                        | _                        | 10.7                           |
| Industrial valve manufacturing<br>Fluid power valve and hose fitting                                       | 23.5      | 8.8        | 8.8            | -  | -         | -                   | -                      | -         | -                        | -                        | -                        | 14.7                           |
| manufacturing<br>Plumbing fixture fitting and trim   | 23.5      | 14.7       | 11.8           | -  | -         | -                   | -                      | -         | -                        | -                        | -                        | 11.8                           |
| manufacturing<br>Other metal valve and pipe fitting  | 28.6      | 28.6       | -              | -  | -         | -                   | -                      | -         | -                        | -                        | -                        | -                              |
| manufacturing<br>All other fabricated metal product  | 17.2      | 6.9        | 20.7           | 6.9                                      | -         | -                   | -                      | -         | -                        | -                        | -                        | 6.9                            |
| manufacturing  | 16.7      | 8.5        | 7.5            | 4.1                                      | 1.0       | -                   | .7                     | -         | -                        | -                        | _                        | 8.2                            |
| Ball and roller bearing manufacturing  | 23.1      | 15.4       | 5.1            | -  | -         | -                   | _                      | -         | -                        | -                        | _                        | 10.3                           |
| Small arms ammunition manufacturing<br>Ammunition (except small arms)                                      | 23.1      | 15.4       | 23.1           | -  | -         | -                   | -                      | -         | -                        | -                        | -                        | 15.4                           |
| manufacturing  | -         | -          | -              | -  | -         | -                   | -                      | -         | -                        | -                        | -                        | -                              |
| Small arms manufacturing<br>Other ordnance and accessories   | 20.0      | -          | -              | -  | -         | -                   | -                      | -         | -                        | -                        | -                        | 13.3                           |
| manufacturing<br>Fabricated pipe and pipe fitting  | -         | -          | -              | -  | -         | -                   | -                      | -         | -                        | -                        | -                        | -                              |
| manufacturing<br>Industrial pattern manufacturing<br>Enameled iron and metal sanitary ware                 | 13.6<br>_ | 4.5<br>-   | 6.1<br>-       | 4.5<br>-                                 | _         | -                   | _                      |           |                          | _                        |                          | 6.1<br>_                       |
| All other miscellaneous fabricated metal   | 40.0      | 20.0       | -              | -  | -         | -                   | -                      | -         | -                        | -                        | -                        | -                              |
| product manufacturing  | 13.8      | 7.7        | 6.2            | 3.8                                      | 1.5       |                     | _                      | _         | _                        | _                        | _                        | 8.5                            |
| Agriculture, construction, and mining machinery  | 22.4      | 11.6       | 6.4            | 5.3                                      | 1.7       | .7                  | .2                     | .2        | -                        | -                        | -                        | 9.4                            |
| manufacturing  | 22.0      | 11.4       | 6.2            | 5.9                                      | 2.1       | .6                  | _                      | _         | _                        | _                        | _                        | 9.4                            |
| Agricultural implement manufacturing<br>Farm machinery and equipment                                       | 25.0      | 15.6       | 7.0            | 5.5                                      | 1.6       | -                   | -                      | -         | -                        | -                        | -                        | 9.4                            |
| manufacturing  | 24.5      | 16.4       | 7.3            | 6.4                                      | _         | _                   | _                      | -         |                          | -                        | _                        | 10.0                           |

|   |                            |                |       | Perce                  | ent of indu                 | stry case to  | tal involvi                  | ng —                        |  |
|---|----------------------------|----------------|-------|------------------------|-----------------------------|---|------------------------------|-----------------------------|--|
|   |                            |                |       | Contact w              | vith objects                |   |                              |                             |  |
| Industry <sup>3</sup>                       | NAICS<br>code <sup>4</sup> | Total<br>cases | Total | Struck<br>by<br>object | Struck<br>against<br>object | Caught<br>in or<br>com-<br>pressed<br>or<br>crushed | Fall<br>to<br>lower<br>level | Fall<br>on<br>same<br>level | Slips<br>or<br>trips<br>without<br>fall <sup>5</sup> |
| Lawn and garden tractor and home lawn       |                            |                |       |                        |                             |   |                              |                             |  |
| and garden equipment manufacturing          | 333112                     | 180            | 38.9  | 16.7                   | _                           | 11.1  | _                            | 11.1                        | _  |
| Construction machinery manufacturing        | 33312                      | 1,280          | 43.8  | 25.8                   | 4.7                         | 10.2  | 4.7                          | 7.0                         | 1.6  |
| Mining and oil and gas field machinery      | 55512                      | 1,200          | 45.0  | 25.0                   | 4.7                         | 10.2  | 4.7                          | 7.0                         | 1.0  |
| manufacturing                               | 33313                      | 850            | 42.4  | 20.0                   | 8.2                         | 10.6  | 2.4                          | 9.4                         | 2.4  |
| Mining machinery and equipment              | 33313                      | 000            | 42.4  | 20.0                   | 0.2                         | 10.0  | 2.4                          | 3.4                         | 2.4  |
| manufacturing                               | 333131                     | 320            | 53.1  | 21.9                   | 15.6                        | 9.4   |                              | 6.2                         |  |
| Oil and gas field machinery and equipment   | 333131                     | 520            | 55.1  | 21.5                   | 15.0                        | 5.4   | _                            | 0.2                         |  |
| manufacturing                               | 333132                     | 540            | 35.2  | 18.5                   | 3.7                         | 11.1  |                              | 9.3                         | 3.7  |
| Industrial machinery manufacturing          | 3332                       | 1,650          | 43.0  | 18.8                   | 12.1                        | 6.7   | 3.6                          | 6.1                         | 1.8  |
| Sawmill and woodworking machinery           | 3332                       | 1,050          | 43.0  | 10.0                   | 12.1                        | 0.7   | 5.0                          | 0.1                         | 1.0  |
| manufacturing                               | 33321                      | 230            | 56.5  | 30.4                   | 21.7                        | _   | _                            | _                           |  |
| Plastics and rubber industry machinery      | 55521                      | 230            | 50.5  | 50.4                   | 21.7                        | _   | _                            | _                           |  |
| manufacturing                               | 33322                      | 190            | 47.4  | 21.1                   | 15.8                        | _   | _                            | _                           |  |
| Other industrial machinery manufacturing    | 33329                      | 1,240          | 39.5  | 16.1                   | 9.7                         | 8.9   | 4.8                          | 6.5                         | 1.6  |
| Paper industry machinery manufacturing      | 333291                     | 130            | 53.8  | 23.1                   |                             | 15.4  | 0                            | 15.4                        | - 1.0  |
| Textile machinery manufacturing             | 333292                     | 80             | 50.0  | 25.0                   | _                           | -   | _                            | -                           | _  |
| Printing machinery and equipment            | 333232                     | 00             | 50.0  | 20.0                   |                             |   |                              |                             |  |
| manufacturing                               | 333293                     | 160            | 43.8  | 12.5                   | 12.5                        | 18.8  | _                            | _                           | _  |
| Food product machinery manufacturing        | 333294                     | 340            | 41.2  | 17.6                   | 5.9                         | 8.8   | _                            | 8.8                         | _  |
| Semiconductor machinery manufacturing       | 333295                     | 140            | 42.9  | -                      | 28.6                        |   | _                            |                             | _  |
| All other industrial machinery              | 000200                     |                | 12.0  |                        | 20.0                        |   |                              |                             |  |
| manufacturing                               | 333298                     | 390            | 30.8  | 15.4                   | 5.1                         | _   | 12.8                         | 5.1                         | _  |
| Commercial and service industry machinery   | 000200                     | 000            | 00.0  | 10.1                   | 0.1                         |   | 12.0                         | 0.1                         |  |
| manufacturing                               | 3333                       | 1,050          | 30.5  | 14.3                   | 5.7                         | 8.6   | 1.9                          | 9.5                         | _  |
| Commercial and service industry machinery   |                            | .,             | 0010  |                        | 0.11                        | 0.0   |                              | 0.0                         |  |
| manufacturing                               | 33331                      | 1,050          | 30.5  | 14.3                   | 5.7                         | 8.6   | 1.9                          | 9.5                         | _  |
| Automatic vending machine manufacturing     | 333311                     | 90             | 55.6  | 33.3                   | 22.2                        | _   | _                            | _                           | _  |
| Commercial laundry, drycleaning, and        |                            |                | 00.0  | 0010                   |                             |   |                              |                             |  |
| pressing machine manufacturing              | 333312                     | 60             | 50.0  | _                      | _                           | _   | _                            | _                           | _  |
| Office machinery manufacturing              | 333313                     | 60             | -     | _                      | _                           | _   | _                            | _                           | _  |
| Optical instrument and lens manufacturing   | 333314                     | 180            | 27.8  | 11.1                   | _                           | 11.1  | _                            | _                           | _  |
| Photographic and photocopying equipment     |                            |                |       |                        |                             |   |                              |                             |  |
| manufacturing                               | 333315                     | 130            | 23.1  | 15.4                   | _                           | _   | _                            | 15.4                        | _  |
| Other commercial and service industry       |                            |                |       |                        |                             |   |                              |                             |  |
| machinery manufacturing                     | 333319                     | 530            | 28.3  | 13.2                   | 5.7                         | 7.5   | _                            | 9.4                         | -  |
| Ventilation, heating, air-conditioning, and |                            |                |       |                        | -                           |   |                              |                             |  |
| commercial refrigeration equipment          |                            |                |       |                        |                             |   |                              |                             |  |
| manufacturing                               | 3334                       | 1,940          | 39.7  | 21.1                   | 6.7                         | 9.3   | 2.6                          | 6.2                         | 2.1  |
| Ventilation, heating, air-conditioning, and |                            | ,              | -     |                        | -                           |   | -                            | -                           |  |
| commercial refrigeration equipment          |                            |                |       |                        |                             |   |                              |                             |  |
| manufacturing                               | 33341                      | 1.940          | 39.7  | 21.1                   | 6.7                         | 9.3   | 2.6                          | 6.2                         | 2.1  |

| -  |       |            | 1                         | 1   | Percent o | f industry ca       | ase total in           | ivolving — | -                        |                          |                          | 1                                     |
|--|-------|------------|---------------------------|---|-----------|---------------------|------------------------|------------|--------------------------|--------------------------|--------------------------|---------------------------------------|
|  | Overe | exertion   | -                         | Expo-<br>sure                                       |           | portation<br>idents |                        | А          | ssaults and              | d violent a              | cts                      | -                                     |
| la danta 2   |       |            | Denet                     | to  | acci      |                     | Fires                  |            |                          | All other                | assaults                 |                                       |
| Industry <sup>3</sup>  | Total | In lifting | Repeti-<br>tive<br>motion | harmful<br>sub-<br>stance<br>or<br>environ-<br>ment | Total     | Highway<br>accident | and<br>explo-<br>sions | Total      | Assaults<br>by<br>person | All<br>other<br>assaults | Assaults<br>by<br>animal | All<br>other<br>events <sup>5,6</sup> |
| Lawn and garden tractor and home lawn  |       |            |                           |   |           |                     |                        |            |                          |                          |                          |                                       |
| and garden equipment manufacturing   | 22.2  | 11.1       | -                         | -   | 11.1      | -                   | -                      | -          | -                        | -                        | -                        | -                                     |
| Construction machinery manufacturing<br>Mining and oil and gas field machinery                               | 15.6  | 7.0        | 7.8                       | 6.2   | 2.3       | -                   | -                      | -          | -                        | -                        | -                        | 11.7                                  |
| Mining machinery and equipment   | 27.1  | 11.8       | 2.4                       | 4.7   | 2.4       | -                   | -                      | -          | -                        | -                        | -                        | 5.9                                   |
| manufacturing  | 21.9  | 12.5       | -                         | -   | -         | -                   | -                      | -          | -                        | -                        | -                        | -                                     |
| Oil and gas field machinery and equipment  | 24 5  | 44.4       |                           | 5.0   |           |                     |                        |            |                          |                          |                          | 7.4                                   |
| manufacturing  | 31.5  | 11.1       | -                         | 5.6   | -         | -                   | -                      | -          | -                        | -                        | -                        | 7.4                                   |
| Industrial machinery manufacturing<br>Sawmill and woodworking machinery                                      | 21.8  | 9.7        | 3.0                       | 7.3   | -         | _                   | -                      | -          | _                        | _                        | -                        | 12.7                                  |
| manufacturing  | -     | -          | -                         | -   | -         | -                   | -                      | -          | -                        | -                        | -                        | 26.1                                  |
| Plastics and rubber industry machinery<br>manufacturing  | 26.3  | _          | _                         | _   | _         | _                   | _                      | _          | _                        | _                        | _                        | 15.8                                  |
| Other industrial machinery manufacturing   | 23.4  | 10.5       | 3.2                       | 9.7   | _         | -                   | -                      | -          | -                        | -                        | -                        | 10.5                                  |
| Paper industry machinery manufacturing   | 23.1  | 15.4       | _                         | _   | _         | _                   | _                      | _          | _                        | _                        | _                        | _                                     |
| Textile machinery manufacturing<br>Printing machinery and equipment  | 25.0  | _          | -                         | 25.0  | -         | -                   | -                      | -          | -                        | -                        | -                        | -                                     |
| manufacturing  | 25.0  | 12.5       | _                         | _   | _         | _                   | _                      | _          | _                        | _                        | _                        | _                                     |
| Food product machinery manufacturing   | 20.6  | 8.8        | _                         | 14.7  | _         | _                   | _                      | _          | _                        | _                        | _                        | 5.9                                   |
| Semiconductor machinery manufacturing<br>All other industrial machinery                                      | 28.6  | 14.3       | -                         | -   | -         | -                   | -                      | -          | -                        | -                        | -                        | 14.3                                  |
| manufacturing<br>Commercial and service industry machinery   | 20.5  | 10.3       | -                         | 5.1   | -         | -                   | -                      | -          | -                        | -                        | -                        | 17.9                                  |
| Commercial and service industry machinery  | 24.8  | 17.1       | 9.5                       | 7.6   | 1.9       | -                   | -                      | -          | -                        | -                        | -                        | 12.4                                  |
| manufacturing  | 24.8  | 17.1       | 9.5                       | 7.6   | 1.9       | _                   | _                      | _          | _                        | _                        | _                        | 12.4                                  |
| Automatic vending machine manufacturing<br>Commercial laundry, drycleaning, and                              | -     | -          | -                         | -   | -         | -                   | -                      | -          | -                        | -                        | -                        | -                                     |
| pressing machine manufacturing   | _     | _          | _                         | _   | _         | _                   | _                      | _          | _                        | _                        | _                        | _                                     |
| Office machinery manufacturing   | 50.0  | 50.0       | _                         | _   | _         | _                   | _                      | _          | _                        | _                        | _                        | _                                     |
| Optical instrument and lens manufacturing<br>Photographic and photocopying equipment                         | 22.2  | 11.1       | -                         | 22.2  | -         | -                   | -                      | -          | -                        | -                        | -                        | 16.7                                  |
| Manufacturing  | 23.1  | 23.1       | 23.1                      | -   | -         | -                   | _                      | -          | -                        | -                        | -                        | 15.4                                  |
| Machinery manufacturing<br>Ventilation, heating, air-conditioning, and<br>commercial refrigeration equipment | 26.4  | 17.0       | 9.4                       | 7.5   | -         | -                   | _                      | -          | -                        | _                        | -                        | 13.2                                  |
| Ventilation, heating, air-conditioning, and<br>commercial refrigeration equipment                            | 24.2  | 13.4       | 6.7                       | 3.6   | 4.6       | 2.6                 | -                      | _          | -                        | _                        | _                        | 9.8                                   |
| manufacturing  | 24.2  | 13.4       | 6.7                       | 3.6   | 4.6       | 2.6                 | -                      | -          | -                        | -                        | _                        | 9.8                                   |

|  |                                   |                            |                              | Perce                        | ent of indu                 | stry case to  | otal involvi                 | ng —                        |  |
|--|-----------------------------------|----------------------------|------------------------------|------------------------------|-----------------------------|---|------------------------------|-----------------------------|--|
|  |                                   |                            |                              | Contact w                    | vith objects                | ;   |                              |                             |  |
| Industry <sup>3</sup>  | NAICS<br>code <sup>4</sup>        | Total<br>cases             | Total                        | Struck<br>by<br>object       | Struck<br>against<br>object | Caught<br>in or<br>com-<br>pressed<br>or<br>crushed | Fall<br>to<br>lower<br>level | Fall<br>on<br>same<br>level | Slips<br>or<br>trips<br>without<br>fall <sup>5</sup> |
| Air purification equipment manufacturing<br>Industrial and commercial fan and blower   | 333411                            | 280                        | 39.3                         | 21.4                         | 7.1                         | 10.7  | -                            | 7.1                         | -  |
| manufacturing  | 333412                            | 230                        | 65.2                         | 39.1                         | -                           | 17.4  | -                            | -                           | -  |
| Heating equipment (except warm air<br>furnaces) manufacturing<br>Air-conditioning and warm air heating   | 333414                            | 290                        | 37.9                         | 20.7                         | -                           | 10.3  | -                            | _                           | _  |
| equipment and commercial and industrial<br>refrigeration equipment manufacturing<br>Metalworking machinery manufacturing<br>Metalworking machinery manufacturing | 333415<br>3335<br>33351           | 1,140<br>2,790<br>2,790    | 35.1<br>50.2<br>50.2         | 16.7<br>21.5<br>21.5         | 7.0<br>11.1<br>11.1         | 7.9<br>11.1<br>11.1                                 | 2.6<br>2.9<br>2.9            | 7.0<br>7.2<br>7.2           | 2.6<br>1.4<br>1.4                                    |
| Industrial mold manufacturing<br>Machine tool (metal cutting types)<br>manufacturing   | 333511<br>333512                  | 420<br>380                 | 38.1<br>57.9                 | 9.5<br>15.8                  | 14.3<br>23.7                | 9.5   | -                            | 11.9                        | _  |
| Machine tool (metal forming types)   |                                   |                            |                              |                              | -                           |   |                              |                             |  |
| manufacturing<br>Special die and tool, die set, jig, and fixture   | 333513                            | 240                        | 50.0                         | 29.2                         | 8.3                         | 8.3   | -                            | -                           | -  |
| manufacturing<br>Cutting tool and machine tool accessory   | 333514                            | 1,080                      | 48.1                         | 22.2                         | 11.1                        | 13.0  | 1.9                          | 8.3                         | -  |
| manufacturing<br>Rolling mill machinery and equipment  | 333515                            | 370                        | 48.6                         | 21.6                         | 5.4                         | 5.4   | -                            | 5.4                         | 5.4  |
| manufacturing<br>Engine, turbine, and power transmission   | 333516                            | 220                        | 68.2                         | 40.9                         | -                           | -   | 22.7                         | -                           | -  |
| equipment manufacturing<br>Engine, turbine, and power transmission   | 3336                              | 1,030                      | 35.0                         | 14.6                         | 8.7                         | 8.7   | 3.9                          | 8.7                         | 3.9  |
| equipment manufacturing<br>Turbine and turbine generator set units   | 33361                             | 1,030                      | 35.0                         | 14.6                         | 8.7                         | 8.7   | 3.9                          | 8.7                         | 3.9  |
| manufacturing  | 333611                            | 160                        | 31.2                         | 18.8                         | -                           | -   | 12.5                         | -                           | -  |
| and gear manufacturing<br>Mechanical power transmission equipment  | 333612                            | 180                        | 38.9                         | 16.7                         | 11.1                        | -   | -                            | -                           | -  |
| manufacturing<br>Other engine equipment manufacturing<br>Other general purpose machinery manufacturing<br>Pump and compressor manufacturing                      | 333613<br>333618<br>3339<br>33391 | 290<br>410<br>4,000<br>660 | 41.4<br>29.3<br>43.8<br>27.3 | 13.8<br>12.2<br>21.5<br>10.6 | 10.3<br>7.3<br>6.0<br>3.0   | 13.8<br>7.3<br>13.2<br>12.1                         | -<br>-<br>3.8<br>13.6        | 6.9<br>12.2<br>6.5<br>7.6   | -<br>4.9<br>1.5<br>-                                 |
| Pump and pumping equipment manufacturing   | 333911                            | 370                        | 24.3                         | 10.8                         | _                           | 10.8  | _                            | 10.8                        | _  |
| Air and gas compressor manufacturing<br>Material handling equipment manufacturing<br>Elevator and moving stairway  | 333912<br>33392                   | 280<br>1,780               | 32.1<br>46.6                 | 10.7<br>24.7                 | _<br>4.5                    | 14.3<br>14.6  | 25.0<br>1.7                  | -<br>6.7                    | _<br>1.1   |
| manufacturing<br>Conveyor and conveying equipment  | 333921                            | 260                        | 65.4                         | 19.2                         | -                           | 42.3  | -                            | -                           | -  |
| manufacturing  | 333922                            | 610                        | 45.9                         | 24.6                         | -                           | 13.1  | -                            | 4.9                         | -  |

|   | Overe | exertion   |                | Expo-                                    | Transr | oortation           |                        |       | ssaults and              | d violent a              | nte                      |                               |
|---|-------|------------|----------------|--|--------|---------------------|------------------------|-------|--------------------------|--------------------------|--------------------------|-------------------------------|
|   | Overe |            |                | sure                                     |        | dents               |                        |       |                          |                          |                          | -                             |
| Industry <sup>3</sup>   |       |            | Repeti-        | to<br>harmful                            |        |                     | Fires                  |       |                          | All other                | assaults                 | All                           |
|   | Total | In lifting | tive<br>motion | sub-<br>stance<br>or<br>environ-<br>ment | Total  | Highway<br>accident | and<br>explo-<br>sions | Total | Assaults<br>by<br>person | All<br>other<br>assaults | Assaults<br>by<br>animal | other<br>events <sup>5,</sup> |
| Air purification equipment manufacturing<br>Industrial and commercial fan and blower                        | 10.7  | 7.1        | _              | -  | 10.7   | -                   | -                      | _     | -                        | _                        | _                        | 17.9                          |
| manufacturing<br>Heating equipment (except warm air   | 13.0  | -          | -              | -  | -      | -                   | -                      | -     | -                        | -                        | -                        | 8.7                           |
| furnaces) manufacturing<br>Air-conditioning and warm air heating<br>equipment and commercial and industrial | 27.6  | 13.8       | 6.9            | -  | -      | -                   | -                      | -     | -                        | -                        | -                        | 10.3                          |
| refrigeration equipment manufacturing   | 28.9  | 16.7       | 7.9            | 3.5                                      | 5.3    | 4.4                 | _                      | _     | _                        | _                        | _                        | 7.9                           |
| Metalworking machinery manufacturing  | 19.7  | 9.0        | 4.7            | 5.0                                      | 1.1    | _                   | -                      | _     | _                        | _                        | _                        | 8.2                           |
| Metalworking machinery manufacturing  | 19.7  | 9.0        | 4.7            | 5.0                                      | 1.1    | _                   | -                      | -     | _                        | -                        | -                        | 8.2                           |
| Industrial mold manufacturing<br>Machine tool (metal cutting types)   | 23.8  | 4.8        | -              | 7.1                                      | -      | -                   | -                      | -     | -                        | -                        | -                        | 14.3                          |
| manufacturing<br>Machine tool (metal forming types)   | 13.2  | 7.9        | -              | 13.2                                     | -      | -                   | -                      | -     | -                        | -                        | -                        | 7.9                           |
| manufacturing<br>Special die and tool, die set, jig, and fixture  | 12.5  | 12.5       | -              | 8.3                                      | -      | -                   | -                      | -     | -                        | -                        | -                        | 20.8                          |
| manufacturing   | 21.3  | 6.5        | 8.3            | 2.8                                      | 1.9    | -                   | -                      | -     | -                        | -                        | -                        | 7.4                           |
| manufacturing<br>Rolling mill machinery and equipment   | 29.7  | 21.6       | -              | -  | -      | -                   | -                      | -     | -                        | _                        | -                        | -                             |
| manufacturing<br>Engine, turbine, and power transmission  | -     | -          | -              | -  | -      | -                   | -                      | -     | -                        | -                        | -                        | -                             |
| equipment manufacturing<br>Engine, turbine, and power transmission  | 22.3  | 10.7       | 9.7            | 4.9                                      | -      | -                   | -                      | -     | -                        | -                        | -                        | 11.7                          |
| equipment manufacturing<br>Turbine and turbine generator set units  | 22.3  | 10.7       | 9.7            | 4.9                                      | -      | -                   | -                      | -     | -                        | -                        | -                        | 11.7                          |
| manufacturing<br>Speed changer, industrial high-speed drive.  | 18.8  | 12.5       | 12.5           | -  | -      | -                   | -                      | -     | -                        | -                        | -                        | -                             |
| and gear manufacturing<br>Mechanical power transmission equipment   | 22.2  | 11.1       | -              | -  | -      | -                   | -                      | -     | -                        | -                        | -                        | 11.1                          |
| manufacturing   | 20.7  | 10.3       | 6.9            | 6.9                                      | -      |                     | -                      | -     | -                        | -                        | -                        | 13.8                          |
| Other engine equipment manufacturing  | 24.4  | 9.8        | 12.2           | -  | -      | -                   | -                      | -     | -                        | -                        | -                        | 9.8                           |
| Other general purpose machinery manufacturing   | 23.8  | 12.5       | 7.5            | 4.8                                      | 1.0    | -                   | -                      | -     | -                        | -                        | -                        | 7.5                           |
| Pump and compressor manufacturing<br>Pump and pumping equipment   | 25.8  | 15.2       | 9.1            | -  | -      | -                   | -                      | -     | -                        | -                        | -                        | 12.1                          |
| manufacturing   | 27.0  | 10.8       | 10.8           | -  | -      | -                   | -                      | -     | -                        | -                        | -                        | 16.2                          |
| Air and gas compressor manufacturing  | 21.4  | 17.9       | -              |  | -      | -                   | -                      | -     |                          | -                        | -                        | 7.1                           |
| Material handling equipment manufacturing<br>Elevator and moving stairway                                   | 26.4  | 14.6       | 7.9            | 3.9                                      | -      | -                   | -                      | -     | -                        | -                        | -                        | 3.9                           |
| manufacturing<br>Conveyor and conveying equipment   | 15.4  | 7.7        | 7.7            | -  | -      | -                   | _                      | -     | -                        | -                        | -                        | -                             |
| manufacturing   | 19.7  | 13.1       | 13.1           | 8.2                                      | -      | -                   | -                      | -     |                          | -                        | -                        | 3.3                           |

|   |                            |                  |                      | Perce                  | ent of indu                 | stry case to  | otal involvi                 | ng —                        |  |
|---|----------------------------|------------------|----------------------|------------------------|-----------------------------|---|------------------------------|-----------------------------|--|
|   |                            |                  |                      | Contact w              | vith objects                | ;   |                              |                             |  |
| Industry <sup>3</sup>   | NAICS<br>code <sup>4</sup> | Total<br>cases   | Total                | Struck<br>by<br>object | Struck<br>against<br>object | Caught<br>in or<br>com-<br>pressed<br>or<br>crushed | Fall<br>to<br>lower<br>level | Fall<br>on<br>same<br>level | Slips<br>or<br>trips<br>without<br>fall <sup>5</sup> |
| Quarbood traveling around hoist and   |                            |                  |                      |                        |                             |   |                              |                             |  |
| Overhead traveling crane, hoist, and<br>monorail system manufacturing<br>Industrial truck, tractor, trailer, and stacker              | 333923                     | 420              | 47.6                 | 33.3                   | 4.8                         | 7.1   | -                            | 4.8                         | -  |
| All other general purpose machinery   | 333924                     | 490              | 36.7                 | 20.4                   | 4.1                         | 8.2   | -                            | 12.2                        | -  |
| manufacturing<br>Power-driven handtool manufacturing  | 33399<br>333991            | 1,560<br>110     | 46.8<br>18.2         | 22.4<br>-              | 9.0<br>-                    | 12.8<br>-   | 1.9<br>—                     | 5.8<br>-                    | 1.3<br>-   |
| Welding and soldering equipment<br>manufacturing<br>Packaging machinery manufacturing   | 333992<br>333993           | 210<br>120       | 71.4<br>50.0         | 57.1                   | 9.5<br>25.0                 | _<br>16.7   | -                            |                             | -  |
| Industrial process furnace and oven<br>manufacturing  | 333994                     | 120              | 58.8                 | 11.8                   | 17.6                        | 23.5  | _                            | 11.8                        | _  |
| Fluid power cylinder and actuator manufacturing   | 333995                     | 230              | 47.8                 | 26.1                   | _                           | 13.0  | _                            | _                           | _  |
| Fluid power pump and motor manufacturing Scale and balance (except laboratory)  | 333996                     | 120              | 33.3                 | 16.7                   | -                           | -   | _                            | -                           | -  |
| manufacturing<br>All other miscellaneous general purpose  | 333997                     | 30               | -                    | -                      | -                           | -   | _                            | -                           | -  |
| machinery manufacturing<br>Computer and electronic product manufacturing<br>Computer and peripheral equipment                         | 333999<br>334              | 570<br>6,000     | 42.1<br>21.2         | 21.1<br>9.3            | 7.0<br>4.7                  | 14.0<br>4.7   | 4.7                          | 3.5<br>14.0                 | 2.3  |
| Computer and peripheral equipment   | 3341                       | 600              | 23.3                 | 13.3                   | 5.0                         | -   | 5.0                          | 13.3                        | -  |
| manufacturing<br>Electronic computer manufacturing<br>Computer storage device manufacturing   | 33411<br>334111<br>334112  | 600<br>250<br>80 | 23.3<br>20.0         | 13.3<br>8.0<br>–       | 5.0<br>8.0                  |   | 5.0<br>                      | 13.3<br>16.0<br>25.0        |  |
| Computer terminal manufacturing<br>Other computer peripheral equipment  | 334113                     | 40               | 50.0                 | -                      | -                           | -   | -                            | -                           | -  |
| manufacturing<br>Communications equipment manufacturing<br>Telephone apparatus manufacturing<br>Radio and television broadcasting and | 334119<br>3342<br>33421    | 230<br>540<br>90 | 26.1<br>24.1<br>22.2 | 13.0<br>14.8<br>-      | <br>3.7<br>                 |   | 8.7<br>3.7<br>-              | 8.7<br>18.5<br>33.3         | _<br>_<br>_  |
| wireless communications equipment<br>manufacturing  | 33422                      | 310              | 22.6                 | 12.9                   | -                           | -   | -                            | 16.1                        | -  |
| Other communications equipment<br>manufacturing<br>Audio and video equipment manufacturing  | 33429<br>3343              | 130<br>140       | 38.5<br>21.4         | 23.1<br>14.3           | -                           | -   | -                            | 15.4                        |  |
| Semiconductor and other electronic component<br>manufacturing   | 3344                       | 2,660            | 18.8                 | 6.8                    | 4.9                         | 4.9   | 4.1                          | 12.8                        | 2.6  |
| Semiconductor and other electronic<br>component manufacturing<br>Electron tube manufacturing  | 33441<br>334411            | 2,660<br>30      | 18.8<br>_            | 6.8<br>-               | 4.9<br>-                    | 4.9   | 4.1                          | 12.8<br>_                   | 2.6<br>_   |

|   |              |             | 1                         |   | Percent o  | f industry ca       | ase total in           | volving — | -                        |                          |                          | 1                                     |
|---|--------------|-------------|---------------------------|---|------------|---------------------|------------------------|-----------|--------------------------|--------------------------|--------------------------|---------------------------------------|
|   | Overe        | exertion    | -                         | Expo-<br>sure                                       |            | oortation<br>dents  |                        | A         | ssaults and              | d violent ad             | cts                      | -                                     |
|   |              |             |                           | to  | acci       |                     | Fires                  |           |                          | All other                | assaults                 |                                       |
| Industry <sup>3</sup>   | Total        | In lifting  | Repeti-<br>tive<br>motion | harmful<br>sub-<br>stance<br>or<br>environ-<br>ment | Total      | Highway<br>accident | and<br>explo-<br>sions | Total     | Assaults<br>by<br>person | All<br>other<br>assaults | Assaults<br>by<br>animal | All<br>other<br>events <sup>5,6</sup> |
| Overhead traveling crane, hoist, and monorail system manufacturing  | 40.5         | 23.8        | _                         | _   | _          | _                   | _                      | _         | _                        | _                        | _                        | 4.8                                   |
| Industrial truck, tractor, trailer, and stacker   |              |             |                           |   |            |                     |                        |           |                          |                          |                          |                                       |
| machinery manufacturing<br>All other general purpose machinery  | 28.6         | 12.2        | 8.2                       | 4.1   | _          | -                   | -                      | _         | -                        | _                        | -                        | 4.1                                   |
| manufacturing   | 19.9         | 9.0         | 6.4                       | 7.1   | 1.9        | -                   | -                      | -         | -                        | -                        | -                        | 9.0                                   |
| Power-driven handtool manufacturing<br>Welding and soldering equipment  | 36.4         | 18.2        | -                         | -   | -          | -                   | -                      | -         | -                        | -                        | -                        | -                                     |
| manufacturing   | 9.5          | -           | -                         | -   | -          | -                   | -                      | -         | -                        | -                        | -                        | 9.5                                   |
| Packaging machinery manufacturing<br>Industrial process furnace and oven                                      | 16.7         | -           | -                         | -   | _          | -                   | -                      | -         | -                        | -                        | -                        | 25.0                                  |
| manufacturing<br>Fluid power cylinder and actuator  | 11.8         | -           | -                         | -   | -          | -                   | -                      | -         | _                        | -                        | -                        | -                                     |
| manufacturing   | 21.7         | 13.0        | -                         | 8.7   | -          | -                   | -                      | -         | -                        | -                        | -                        | 8.7                                   |
| Fluid power pump and motor manufacturing Scale and balance (except laboratory)                                | 41.7         | 16.7        | -                         | -   | _          | -                   | -                      | _         | -                        | -                        | -                        | -                                     |
| manufacturing<br>All other miscellaneous general purpose  | -            | -           | -                         | -   | _          | -                   | -                      | _         | -                        | -                        | -                        | -                                     |
| machinery manufacturing<br>Computer and electronic product manufacturing<br>Computer and peripheral equipment | 17.5<br>18.7 | 7.0<br>10.2 | 8.8<br>14.0               | 10.5<br>5.3   | 3.5<br>5.5 | 0.7                 | -                      | 0.5       | -                        | 0.3                      | 0.3                      | 8.8<br>13.7                           |
| manufacturing<br>Computer and peripheral equipment  | 26.7         | 15.0        | 11.7                      | 3.3   | 3.3        | -                   | -                      | -         | -                        | -                        | -                        | 11.7                                  |
| manufacturing   | 26.7         | 15.0        | 11.7                      | 3.3   | 3.3        | -                   | -                      | -         | -                        | -                        | -                        | 11.7                                  |
| Electronic computer manufacturing   | 28.0         | 20.0        | 16.0                      | -   | -          | -                   | -                      | -         | -                        | -                        | -                        | 12.0                                  |
| Computer storage device manufacturing   | 25.0         | -           | -                         | -   | -          | -                   | -                      | -         | -                        | -                        | -                        | -                                     |
| Computer terminal manufacturing<br>Other computer peripheral equipment  | -            | -           | -                         | -   | -          | -                   | -                      | -         | -                        | -                        | -                        | -                                     |
| manufacturing   | 26.1         | 13.0        | 8.7                       | _   | _          | _                   | _                      | _         | _                        | _                        | _                        | 8.7                                   |
| Communications equipment manufacturing  | 16.7         | 11.1        | 16.7                      | 3.7   | _          | _                   | _                      | _         | _                        | _                        | -                        | 13.0                                  |
| Telephone apparatus manufacturing<br>Radio and television broadcasting and                                    | _            | -           | _                         | _   | _          | -                   | -                      | _         | -                        | _                        | -                        | _                                     |
| wireless communications equipment<br>manufacturing<br>Other communications equipment                          | 16.1         | 9.7         | 16.1                      | 6.5   | -          | -                   | -                      | _         | -                        | -                        | -                        | 16.1                                  |
| manufacturing   | 23.1         | 15.4        | 23.1                      | _   | _          | _                   | _                      | _         | _                        | _                        | _                        | _                                     |
| Audio and video equipment manufacturing<br>Semiconductor and other electronic component                       | 21.4         | 14.3        | 14.3                      | -   | -          | -                   | -                      | -         | -                        | -                        | -                        | 14.3                                  |
| manufacturing   | 17.3         | 7.9         | 14.3                      | 6.0   | 10.5       | -                   | -                      | -         | -                        | -                        | -                        | 12.8                                  |
| component manufacturing<br>Electron tube manufacturing  | 17.3<br>_    | 7.9<br>—    | 14.3<br>-                 | 6.0<br>-  | 10.5<br>-  | -                   |                        | -         | -                        |                          | -                        | 12.8<br>-                             |

|  |                            |                |       | Perce                  | ent of indu                 | stry case to  | otal involvi                 | ng —                        |  |
|--|----------------------------|----------------|-------|------------------------|-----------------------------|---|------------------------------|-----------------------------|--|
|  |                            |                |       | Contact w              | ith objects                 |   |                              |                             |  |
| Industry <sup>3</sup>  | NAICS<br>code <sup>4</sup> | Total<br>cases | Total | Struck<br>by<br>object | Struck<br>against<br>object | Caught<br>in or<br>com-<br>pressed<br>or<br>crushed | Fall<br>to<br>lower<br>level | Fall<br>on<br>same<br>level | Slips<br>or<br>trips<br>without<br>fall <sup>5</sup> |
| Bare printed circuit board manufacturing<br>Semiconductor and related device | 334412                     | 360            | 27.8  | 5.6                    | 8.3                         | 8.3   | -                            | 19.4                        | -  |
| manufacturing  | 334413                     | 960            | 10.4  | 4.2                    | 3.1                         | 2.1   | 4.2                          | 11.5                        | 3.1  |
| Electronic capacitor manufacturing   | 334414                     | 60             | _     | _                      | _                           | _   | _                            | 33.3                        | _  |
| Electronic resistor manufacturing  | 334415                     | 60             | 33.3  | _                      | -                           | -   | _                            | -                           | - 1  |
| Electronic coil, transformer, and other                                      |                            |                |       |                        |                             |   |                              |                             |  |
| inductor manufacturing   | 334416                     | 70             | 42.9  | _                      | _                           | _   | _                            | -                           | -  |
| Electronic connector manufacturing   | 334417                     | 200            | 40.0  | 15.0                   | 10.0                        | 10.0  | _                            | -                           | -  |
| Printed circuit assembly (electronic   |                            |                |       |                        |                             |   |                              |                             |  |
| assembly) manufacturing  | 334418                     | 380            | 15.8  | 7.9                    | _                           | _   | _                            | 15.8                        | 5.3  |
| Other electronic component manufacturing                                     | 334419                     | 530            | 17.0  | 7.5                    | _                           | 7.5   | 5.7                          | 13.2                        | -  |
| Navigational, measuring, electromedical, and                                 |                            |                |       |                        |                             |   |                              |                             |  |
| control instruments manufacturing  | 3345                       | 1,920          | 21.9  | 9.9                    | 4.7                         | 4.7   | 6.2                          | 14.6                        | 1.6  |
| Navigational, measuring, electromedical, and                                 |                            |                |       |                        |                             |   |                              |                             |  |
| control instruments manufacturing  | 33451                      | 1,920          | 21.9  | 9.9                    | 4.7                         | 4.7   | 6.2                          | 14.6                        | 1.6  |
| Electromedical and electrotherapeutic  |                            |                |       |                        |                             |   |                              |                             |  |
| apparatus manufacturing  | 334510                     | 280            | 21.4  | 10.7                   | 7.1                         |   | -                            | 14.3                        | -  |
| Search, detection, navigation, guidance,                                     |                            |                |       |                        |                             |   |                              |                             |  |
| aeronautical, and nautical system and  |                            |                |       |                        |                             |   |                              |                             |  |
| instrument manufacturing   | 334511                     | 440            | 15.9  | 9.1                    | 4.5                         | -   | 9.1                          | 18.2                        | -  |
| Automatic environmental control  |                            |                |       |                        |                             |   |                              |                             |  |
| manufacturing for residential, commercial,                                   |                            |                |       |                        |                             |   |                              |                             |  |
| and appliance use  | 334512                     | 180            | 38.9  | 11.1                   | -                           |   | -                            | 11.1                        | -  |
| Instruments and related products   |                            |                |       |                        |                             |   |                              |                             |  |
| manufacturing for measuring, displaying,                                     |                            |                |       |                        |                             |   |                              |                             |  |
| and controlling industrial process variables                                 | 334513                     | 310            | 22.6  | 6.5                    | 6.5                         | 9.7   | 6.5                          | 12.9                        | -  |
| Totalizing fluid meter and counting device                                   |                            |                |       |                        |                             |   |                              |                             |  |
| manufacturing  | 334514                     | 140            | 28.6  | -                      | -                           | -   | -                            | -                           | -  |
| Instrument manufacturing for measuring                                       |                            |                |       |                        |                             |   |                              |                             |  |
| and testing electricity and electrical                                       |                            |                |       |                        |                             |   |                              |                             |  |
| signals  | 334515                     | 160            | 18.8  | -                      | -                           | -   | -                            | 12.5                        | -  |
| Analytical laboratory instrument   |                            | . = =          |       |                        |                             |   |                              |                             |  |
| manufacturing  | 334516                     | 150            | 26.7  | 26.7                   | -                           | -   | -                            | 20.0                        | -  |
| Irradiation apparatus manufacturing  | 334517                     | 50             | 40.0  | -                      | -                           | -   | -                            | -                           | -  |
| Watch, clock, and part manufacturing   | 334518                     | 20             | -     | -                      | -                           | -   | -                            | -                           | -  |
| Other measuring and controlling device                                       | 004540                     | 400            | 105   |                        |                             |   | 45.0                         | 45.0                        |  |
| manufacturing  | 334519                     | 190            | 10.5  | -                      | -                           | -   | 15.8                         | 15.8                        | -  |
| Manufacturing and reproducing magnetic and                                   | 2240                       | 450            | 00 7  |                        |                             |   |                              | 40.0                        |  |
| optical media  | 3346                       | 150            | 26.7  | -                      | -                           |   | -                            | 13.3                        | -  |
| Manufacturing and reproducing magnetic and                                   | 22404                      | 450            | 20.7  |                        |                             |   |                              | 10.0                        |  |
| optical media  | 33461                      | 150            | 26.7  | -                      | -                           |   | -                            | 13.3                        | -  |

|  |           |            |                           |   | Percent o | f industry ca       | ase total ir           | volving — | -                        |                          |                          |                                       |
|--|-----------|------------|---------------------------|---|-----------|---------------------|------------------------|-----------|--------------------------|--------------------------|--------------------------|---------------------------------------|
|  | Overe     | exertion   |                           | Expo-   |           | ortation            |                        | A         | ssaults and              | d violent a              | cts                      |                                       |
|  |           |            | <b>.</b>                  | sure<br>to  | acci      | dents               | Fires                  |           |                          | All other                | assaults                 |                                       |
| Industry <sup>3</sup>  | Total     | In lifting | Repeti-<br>tive<br>motion | harmful<br>sub-<br>stance<br>or<br>environ-<br>ment | Total     | Highway<br>accident | and<br>explo-<br>sions | Total     | Assaults<br>by<br>person | All<br>other<br>assaults | Assaults<br>by<br>animal | All<br>other<br>events <sup>5,6</sup> |
| Bare printed circuit board manufacturing<br>Semiconductor and related device   | 19.4      | 13.9       | 11.1                      | 8.3   | _         | -                   | _                      | -         | _                        | _                        | -                        | 8.3                                   |
| manufacturing  | 14.6      | 5.2        | 8.3                       | 7.3   | 27.1      | -                   | -                      | -         | -                        | -                        | -                        | 11.5                                  |
| Electronic capacitor manufacturing<br>Electronic resistor manufacturing<br>Electronic coil, transformer, and other                     | _         | _          | 33.3                      | -   | _         | _                   | _                      | -         | _                        | _                        | _                        |                                       |
| inductor manufacturing<br>Electronic connector manufacturing<br>Printed circuit assembly (electronic                                   | _<br>20.0 | -          | 28.6<br>10.0              | -   | _         | -                   |                        | -         | -                        | -                        |                          | _<br>15.0                             |
| assembly) manufacturing  | 21.1      | 10.5       | 15.8                      | 5.3   | -         | -                   | -                      | -         | -                        | -                        | -                        | 21.1                                  |
| Other electronic component manufacturing<br>Navigational, measuring, electromedical, and   | 18.9      | 7.5        | 24.5                      | 5.7   | -         | -                   | -                      | -         | -                        | -                        | -                        | 13.2                                  |
| control instruments manufacturing<br>Navigational, measuring, electromedical, and  | 18.2      | 10.4       | 14.1                      | 5.2   | 1.0       | -                   | -                      | -         | -                        | -                        | -                        | 15.6                                  |
| control instruments manufacturing<br>Electromedical and electrotherapeutic   | 18.2      | 10.4       | 14.1                      | 5.2   | 1.0       | -                   | -                      | -         | -                        | -                        | -                        | 15.6                                  |
| apparatus manufacturing<br>Search, detection, navigation, guidance,<br>aeronautical, and nautical system and                           | 14.3      | 7.1        | 21.4                      | -   | -         | -                   | -                      | -         | -                        | _                        | _                        | 14.3                                  |
| instrument manufacturing<br>Automatic environmental control  | 20.5      | 11.4       | 15.9                      | 4.5   | -         | -                   | -                      | -         | -                        | _                        | -                        | 13.6                                  |
| manufacturing for residential, commercial,<br>and appliance use<br>Instruments and related products                                    | 16.7      | -          | 16.7                      | -   | -         | -                   | -                      | -         | -                        | _                        | -                        | -                                     |
| manufacturing for measuring, displaying,<br>and controlling industrial process variables<br>Totalizing fluid meter and counting device | 22.6      | 16.1       | 12.9                      | 6.5   | -         | -                   | -                      | -         | -                        | -                        | -                        | 16.1                                  |
| Instrument manufacturing for measuring<br>and testing electricity and electrical   | 21.4      | -          | 14.3                      | -   | -         | -                   | -                      | -         | -                        | _                        | -                        | 14.3                                  |
| signals  | 25.0      | 12.5       | 12.5                      | -   | -         | -                   | -                      | -         | -                        | -                        | -                        | 31.2                                  |
| manufacturing  | 20.0      | 13.3       | 13.3                      | -   | -         | -                   | -                      | -         | -                        | -                        | -                        | -                                     |
| Irradiation apparatus manufacturing<br>Watch, clock, and part manufacturing<br>Other measuring and controlling device                  | _         | _          | _                         | -   | _         | _                   | _                      |           |                          | _                        | _                        |                                       |
| manufacturing<br>Manufacturing and reproducing magnetic and  | 10.5      | 10.5       | -                         | 10.5  | -         | -                   | -                      | -         | -                        | -                        | -                        | 21.1                                  |
| optical media<br>Manufacturing and reproducing magnetic and  | 26.7      | 13.3       | -                         | -   | -         | -                   | -                      | -         | -                        | -                        | -                        | 20.0                                  |
| optical media  | 26.7      | 13.3       | -                         | -   | -         | -                   | -                      | -         | -                        | -                        | -                        | 20.0                                  |

|   |                            |                |         | Perce                  | ent of indu                 | stry case to  | otal involvii                | ng —                        |  |
|---|----------------------------|----------------|---------|------------------------|-----------------------------|---|------------------------------|-----------------------------|--|
|   |                            |                |         | Contact w              | vith objects                | ;   |                              |                             |  |
| Industry <sup>3</sup>   | NAICS<br>code <sup>4</sup> | Total<br>cases | Total   | Struck<br>by<br>object | Struck<br>against<br>object | Caught<br>in or<br>com-<br>pressed<br>or<br>crushed | Fall<br>to<br>lower<br>level | Fall<br>on<br>same<br>level | Slips<br>or<br>trips<br>without<br>fall <sup>5</sup> |
| Prerecorded compact disc (except  |                            |                |         |                        |                             |   |                              |                             |  |
| software), tape, and record reproducing<br>Magnetic and optical recording media | 334612                     | 110            | 27.3    | -                      | -                           | -   | -                            | -                           | -  |
| manufacturing   | 334613                     | 40             | _       | -                      | -                           | -   | -                            | -                           | -  |
| Electrical equipment, appliance, and component                                  |                            |                |         |                        |                             |   |                              |                             |  |
| manufacturing   | 335                        | 4,350          | 29.4    | 12.9                   | 5.3                         | 9.4   | 4.6                          | 14.0                        | 1.4  |
| Electric lighting equipment manufacturing                                       | 3351                       | 780            | 33.3    | 14.1                   | 7.7                         | 10.3  | 9.0                          | 12.8                        | 2.6  |
| Electric lamp bulb and part manufacturing                                       |                            | 330            | 27.3    | 12.1                   | -                           | 12.1  | 12.1                         | 12.1                        | -  |
| Lighting fixture manufacturing<br>Residential electric lighting fixture         | 33512                      | 450            | 37.8    | 15.6                   | 11.1                        | 8.9   | 6.7                          | 11.1                        | -  |
| manufacturing   | 335121                     | 180            | 33.3    | 16.7                   | 11.1                        | -   | -                            | 16.7                        | -  |
| Commercial, industrial, and institutional                                       |                            |                |         |                        |                             |   |                              |                             |  |
| electric lighting fixture manufacturing   | 335122                     | 190            | 42.1    | 15.8                   | 10.5                        | 10.5  | -                            | 10.5                        | -  |
| Other lighting equipment manufacturing  | 335129                     | 80             | 37.5    | 25.0                   |                             |   | -                            | -                           | -  |
| Household appliance manufacturing   | 3352                       | 540            | 29.6    | 11.1                   | 5.6                         | 13.0  | -                            | 20.4                        | -  |
| Small electrical appliance manufacturing  | 33521                      | 190            | 31.6    | 10.5                   | -                           | 21.1  | -                            | 31.6                        | -  |
| Electric housewares and household fan   |                            |                |         |                        |                             |   |                              |                             |  |
| manufacturing   | 335211                     | 140            | 28.6    | -                      | -                           | 14.3  | -                            | 35.7                        | -  |
| Major appliance manufacturing   | 33522                      | 340            | 29.4    | 11.8                   | 8.8                         | 8.8   | -                            | 14.7                        | -  |
| Household cooking appliance   | 005004                     |                | <u></u> |                        |                             |   |                              |                             |  |
| manufacturing   | 335221                     | 140            | 35.7    | 14.3                   | 14.3                        | -   | -                            | -                           | -  |
| Household refrigerator and home freezer   | 005000                     | 00             | 00.0    |                        |                             |   |                              | 00.0                        |  |
| manufacturing   | 335222                     | 60             | 33.3    |                        |                             |   | -                            | 33.3                        |  |
| Electrical equipment manufacturing  | 3353                       | 1,450          | 29.7    | 14.5                   | 4.1                         | 7.6   | 2.1                          | 12.4                        | 1.4  |
| Electrical equipment manufacturing  | 33531                      | 1,450          | 29.7    | 14.5                   | 4.1                         | 7.6   | 2.1                          | 12.4                        | 1.4  |
| Power, distribution, and specialty  | 005044                     | 100            | 00.0    | 47.4                   | 4.0                         | 0.7   |                              | 40.0                        |  |
| transformer manufacturing   | 335311                     | 460            | 32.6    | 17.4                   | 4.3                         | 8.7   | -                            | 19.6                        | _  |
| Motor and generator manufacturing<br>Switchgear and switchboard apparatus       | 335312                     | 430            | 27.9    | 11.6                   | 4.7                         | 11.6  | 4.7                          | 4.7                         | _  |
| manufacturing   | 335313                     | 320            | 28.1    | 9.4                    | -                           | -   | -                            | 9.4                         | -  |
| Relay and industrial control manufacturing                                      | 335314                     | 240            | 29.2    | 20.8                   | -                           | 8.3   | -                            | 16.7                        | -  |
| Other electrical equipment and component  |                            |                |         |                        |                             |   |                              |                             |  |
| manufacturing   | 3359                       | 1,580          | 26.6    | 11.4                   | 5.1                         | 9.5   | 6.3                          | 14.6                        | -  |
| Battery manufacturing   | 33591                      | 310            | 22.6    | 9.7                    | 6.5                         | 9.7   | -                            | 6.5                         | -  |
| Communication and energy wire and cable   |                            |                |         |                        |                             |   |                              |                             |  |
| manufacturing   | 33592                      | 150            | 33.3    | -                      | -                           | 20.0  | -                            | -                           | -  |
| Fiber optic cable manufacturing   | 335921                     | 30             | -       | -                      | -                           | -   | -                            | -                           | -  |
| Other communication and energy wire   | 005000                     | 100            | 00 C    |                        |                             | 05.6  |                              |                             |  |
| manufacturing   | 335929                     | 120            | 33.3    | -                      | -                           | 25.0  | -                            | -                           | -  |
| Wiring device manufacturing   | 33593                      | 820            | 26.8    | 15.9                   | 4.9                         | 7.3   | 9.8                          | 19.5                        | -  |
| Current-carrying wiring device  | 005004                     | 100            | 00.0    | 44.0                   |                             |   |                              |                             |  |
| manufacturing   | 335931                     | 420            | 28.6    | 14.3                   | 4.8                         | 9.5   | 7.1                          | 14.3                        | -  |

|  |       |            |                           |   | Percent o | f industry ca       | ase total in           | volving – | -                        |                          |                          |                                       |
|--|-------|------------|---------------------------|---|-----------|---------------------|------------------------|-----------|--------------------------|--------------------------|--------------------------|---------------------------------------|
|  | Overe | exertion   |                           | Expo-   |           | oortation<br>idents |                        | A         | Assaults and             | d violent ad             | cts                      |                                       |
|  |       |            |                           | sure<br>to  | acc       | Idents              | Fires                  |           |                          | All other                | assaults                 |                                       |
| Industry <sup>3</sup>  | Total | In lifting | Repeti-<br>tive<br>motion | harmful<br>sub-<br>stance<br>or<br>environ-<br>ment | Total     | Highway<br>accident | and<br>explo-<br>sions | Total     | Assaults<br>by<br>person | All<br>other<br>assaults | Assaults<br>by<br>animal | All<br>other<br>events <sup>5,6</sup> |
| Prerecorded compact disc (except   |       |            |                           |   |           |                     |                        |           |                          |                          |                          |                                       |
| software), tape, and record reproducing<br>Magnetic and optical recording media        | 18.2  | -          | -                         | -   | -         | -                   | -                      | -         | -                        | -                        | -                        | 18.2                                  |
| manufacturing  | -     | -          | -                         | -   | -         | -                   | -                      | -         | -                        | -                        | -                        | -                                     |
| Electrical equipment, appliance, and component   |       |            |                           |   |           |                     |                        |           |                          |                          |                          |                                       |
| manufacturing  | 22.3  | 12.2       | 10.8                      | 3.4   | 1.4       | -                   | -                      | -         |                          | -                        | -                        | 12.6                                  |
| Electric lighting equipment manufacturing  | 25.6  | 10.3       | 7.7                       | -   | 2.6       | -                   | _                      | -         |                          | -                        | -                        | 6.4                                   |
| Electric lamp bulb and part manufacturing  | 30.3  | 15.2       | 9.1                       | -   | _         | -                   | -                      | -         | -                        | -                        | -                        | -                                     |
| Lighting fixture manufacturing<br>Residential electric lighting fixture                | 22.2  | 6.7        | 4.4                       | -   | 4.4       | -                   | -                      | -         | -                        | -                        | -                        | 11.1                                  |
| manufacturing<br>Commercial, industrial, and institutional                             | 22.2  | 11.1       | -                         | -   | -         | -                   | -                      | -         | -                        | -                        | -                        | -                                     |
| electric lighting fixture manufacturing  | 26.3  | _          | _                         | _   | _         | _                   | _                      | _         | _                        | _                        | -                        | 10.5                                  |
| Other lighting equipment manufacturing   | _     | _          | _                         | _   | _         | _                   | _                      | _         | _                        | _                        | -                        | _                                     |
| Household appliance manufacturing  | 18.5  | 9.3        | 18.5                      | 3.7   | _         | _                   | _                      | _         |                          | _                        | _                        | 7.4                                   |
| Small electrical appliance manufacturing<br>Electric housewares and household fan      | _     | -          | 26.3                      | -   | -         | -                   | -                      | -         | -                        | -                        | -                        | -                                     |
| manufacturing  | _     | _          | 21.4                      | -   | _         | _                   | -                      | -         | -                        | -                        | -                        | -                                     |
| Major appliance manufacturing<br>Household cooking appliance                           | 23.5  | 14.7       | 14.7                      | -   | -         | -                   | -                      | -         | -                        | -                        | -                        | 11.8                                  |
| manufacturing<br>Household refrigerator and home freezer                               | 21.4  | 14.3       | 14.3                      | -   | -         | -                   | -                      | -         | -                        | -                        | -                        | 14.3                                  |
| manufacturing  | _     | _          | -                         | -   | _         | _                   | -                      | -         | -                        | -                        | -                        | -                                     |
| Electrical equipment manufacturing   | 24.1  | 14.5       | 14.5                      | 4.1   | _         | _                   | _                      | _         | _                        | _                        | -                        | 11.7                                  |
| Electrical equipment manufacturing<br>Power, distribution, and specialty               | 24.1  | 14.5       | 14.5                      | 4.1   | -         | -                   | -                      | -         | -                        | -                        | -                        | 11.7                                  |
| transformer manufacturing  | 30.4  | 21.7       | 6.5                       | 4.3   | -         |                     | _                      | _         | -                        | -                        | -                        | 4.3                                   |
| Motor and generator manufacturing<br>Switchgear and switchboard apparatus              | 20.9  | 9.3        | 25.6                      | -   | -         | -                   | -                      | -         | -                        | -                        | -                        | 14.0                                  |
| manufacturing  | 21.9  | 12.5       | 15.6                      | 6.2   | -         | _                   | _                      | -         | _                        | _                        | -                        | 15.6                                  |
| Relay and industrial control manufacturing<br>Other electrical equipment and component | 16.7  | 12.5       | 8.3                       | -   | -         | -                   | -                      | -         | -                        | -                        | -                        | 16.7                                  |
| manufacturing  | 20.3  | 12.0       | 6.3                       | 4.4   | 1.3       | _                   | _                      | _         | _                        | _                        | -                        | 18.4                                  |
| Battery manufacturing<br>Communication and energy wire and cable                       | 12.9  | 6.5        | 6.5                       | 6.5   | -         | -                   | -                      | -         | -                        | -                        | -                        | 41.9                                  |
| manufacturing  | 33.3  | 13.3       | _                         | -   | -         | _                   | _                      | -         | _                        | _                        | -                        | 13.3                                  |
| Fiber optic cable manufacturing<br>Other communication and energy wire                 | _     | -          | -                         | -   | _         | -                   | -                      | -         | -                        | -                        | -                        | _                                     |
| manufacturing  | 33.3  | 16.7       | -                         |   | _         | _                   | _                      | -         |                          | _                        | -                        | 16.7                                  |
| Wiring device manufacturing<br>Current-carrying wiring device                          | 20.7  | 14.6       | 6.1                       | 3.7   | _         | -                   | -                      | _         | -                        | -                        | -                        | 11.0                                  |
| manufacturing  | 23.8  | 11.9       | 9.5                       | 4.8   | -         |                     | -                      | _         |                          | -                        | -                        | 11.9                                  |

|   |                            |                |       | Perce                  | ent of indu                 | stry case to  | otal involvi                 | ng —                        |  |
|---|----------------------------|----------------|-------|------------------------|-----------------------------|---|------------------------------|-----------------------------|--|
|   |                            |                |       | Contact w              | vith objects                | i   |                              |                             |  |
| Industry <sup>3</sup>                         | NAICS<br>code <sup>4</sup> | Total<br>cases | Total | Struck<br>by<br>object | Struck<br>against<br>object | Caught<br>in or<br>com-<br>pressed<br>or<br>crushed | Fall<br>to<br>lower<br>level | Fall<br>on<br>same<br>level | Slips<br>or<br>trips<br>without<br>fall <sup>5</sup> |
| Noncurrent-carrying wiring device             |                            |                |       |                        |                             |   |                              |                             |  |
| All other electrical equipment and component  | 335932                     | 400            | 25.0  | 17.5                   | 5.0                         | 5.0   | 15.0                         | 27.5                        | -  |
| manufacturing                                 | 33599                      | 290            | 27.6  | 10.3                   | _                           | 13.8  | _                            | 13.8                        | _  |
| Carbon and graphite product manufacturing     | 335991                     | 110            | 27.3  | -                      | _                           | 18.2  | _                            |                             | _  |
| All other miscellaneous electrical            | 200001                     |                | 21.5  |                        |                             |   |                              |                             |  |
| equipment and component manufacturing         | 335999                     | 180            | 27.8  | _                      | _                           | 11.1  | _                            | 22.2                        | _  |
| Transportation equipment manufacturing        | 336                        | 23,890         | 30.6  | 14.2                   | 7.3                         | 6.4   | 3.9                          | 10.0                        | 3.2  |
| Motor vehicle manufacturing                   | 3361                       | 3,410          | 24.6  | 11.7                   | 7.3                         | 4.1   | 2.9                          | 5.9                         | 3.2  |
| Automobile and light duty motor vehicle       | 0001                       | 0,110          | 20    |                        | 1.0                         |   | 2.0                          | 0.0                         | 0.2  |
| manufacturing                                 | 33611                      | 2,730          | 26.0  | 12.8                   | 7.3                         | 4.0   | 3.3                          | 5.9                         | 1.8  |
| Automobile manufacturing                      | 336111                     | 1,930          | 26.4  | 13.5                   | 7.3                         | 3.6   | 3.6                          | 5.7                         | 2.1  |
| Light truck and utility vehicle manufacturing | 336112                     | 810            | 24.7  | 11.1                   | 7.4                         | 3.7   | 3.7                          | 4.9                         | _  |
| Heavy duty truck manufacturing                | 33612                      | 680            | 19.1  | 7.4                    | 7.4                         | 4.4   |                              | 7.4                         | 8.8  |
| Motor vehicle body and trailer manufacturing  | 3362                       | 3.280          | 42.4  | 22.9                   | 7.9                         | 7.0   | 5.2                          | 8.5                         | 3.4  |
| Motor vehicle body and trailer manufacturing  | 33621                      | 3,280          | 42.4  | 22.9                   | 7.9                         | 7.0   | 5.2                          | 8.5                         | 3.4  |
| Motor vehicle body manufacturing              | 336211                     | 1,230          | 48.0  | 27.6                   | 5.7                         | 5.7   | 3.3                          | 7.3                         | 1.6  |
| Truck trailer manufacturing                   | 336212                     | 800            | 37.5  | 21.2                   | 6.2                         | 8.8   | 6.2                          | 6.2                         | 5.0  |
| Motor home manufacturing                      | 336213                     | 300            | 33.3  | 13.3                   | 10.0                        | 6.7   | 10.0                         | 10.0                        | -  |
| Travel trailer and camper manufacturing       | 336214                     | 960            | 41.7  | 20.8                   | 11.5                        | 7.3   | 5.2                          | 10.4                        | 4.2  |
| Motor vehicle parts manufacturing             | 3363                       | 7,970          | 32.5  | 13.2                   | 6.6                         | 9.9   | 1.4                          | 10.4                        | 2.5  |
| Motor vehicle gasoline engine and engine      | 0000                       | 1,010          | 02.0  | 10.2                   | 0.0                         | 0.0   |                              | 10.0                        | 2.0  |
| parts manufacturing                           | 33631                      | 710            | 31.0  | 11.3                   | 5.6                         | 12.7  | _                            | 9.9                         | 2.8  |
| Carburetor, piston, piston ring, and valve    | 00001                      | 710            | 01.0  | 11.0                   | 0.0                         | 12.7  |                              | 0.0                         | 2.0  |
| manufacturing                                 | 336311                     | 170            | 35.3  | 11.8                   | _                           | 17.6  | _                            | _                           | _  |
| Gasoline engine and engine parts              | 000011                     |                | 00.0  | 11.0                   |                             | 11.0  |                              |                             |  |
| manufacturing                                 | 336312                     | 540            | 29.6  | 9.3                    | 5.6                         | 11.1  | _                            | 11.1                        | 3.7  |
| Motor vehicle electrical and electronic       | 000012                     | 010            | 20.0  | 0.0                    | 0.0                         |   |                              |                             | 0.1  |
| equipment manufacturing                       | 33632                      | 860            | 31.4  | 12.8                   | 7.0                         | 9.3   | _                            | 12.8                        | _  |
| Vehicular lighting equipment manufacturing    | 336321                     | 150            | 26.7  | -                      | 13.3                        |   | _                            | 20.0                        | _  |
| Other motor vehicle electrical and            | 000021                     | 100            | 20.7  |                        | 10.0                        |   |                              | 20.0                        |  |
| electronic equipment manufacturing            | 336322                     | 710            | 32.4  | 14.1                   | 5.6                         | 11.3  | _                            | 11.3                        | _  |
| Motor vehicle steering and suspension         | 000022                     | 710            | 02.7  |                        | 0.0                         | 11.5  |                              | 11.0                        |  |
| components (except spring) manufacturing      | 33633                      | 510            | 33.3  | 7.8                    | 11.8                        | 11.8  | _                            | 5.9                         | 5.9  |
| Motor vehicle brake system manufacturing      | 33634                      | 400            | 42.5  | 22.5                   | 7.5                         | 10.0  | _                            | 5.0                         | _  |
| Motor vehicle transmission and power train    | 00004                      | .50            |       | 22.0                   |                             |   |                              | 0.0                         |  |
| parts manufacturing                           | 33635                      | 890            | 27.0  | 10.1                   | 6.7                         | 6.7   | _                            | 10.1                        | 3.4  |
| Motor vehicle seating and interior trim       | 00000                      | 000            | 21.0  | 10.1                   | 0.7                         | 0.7   |                              | 10.1                        | 0.4  |
| manufacturing                                 | 33636                      | 920            | 23.9  | 10.9                   | 5.4                         | 6.5   | _                            | 9.8                         | 3.3  |
| Motor vehicle metal stamping                  | 33637                      | 1,250          | 36.8  | 15.2                   | 5.6                         | 11.2  | _                            | 12.8                        | 1.6  |
| Other motor vehicle parts manufacturing       | 33639                      | 2,420          | 33.9  | 14.5                   | 7.0                         | 10.7  | 2.1                          | 12.0                        | 2.1  |
| e and motor venicie parts manufacturing       | 00000                      | 2,720          | 00.0  | 14.0                   | 1.0                         |   | <u></u>                      | 12.0                        | <u> </u>   |

|  |       |            | 1                         |   | Percent of | f industry ca       | ase total in           | volving — | -                        |                          |                          | 1                                     |
|--|-------|------------|---------------------------|---|------------|---------------------|------------------------|-----------|--------------------------|--------------------------|--------------------------|---------------------------------------|
|  | Overe | exertion   | -                         | Expo-<br>sure                                       |            | oortation<br>dents  |                        | A         | ssaults and              | d violent a              | cts                      | -                                     |
|  |       |            |                           | to  | acci       |                     | Fires                  |           |                          | All other                | assaults                 |                                       |
| Industry <sup>3</sup>  | Total | In lifting | Repeti-<br>tive<br>motion | harmful<br>sub-<br>stance<br>or<br>environ-<br>ment | Total      | Highway<br>accident | and<br>explo-<br>sions | Total     | Assaults<br>by<br>person | All<br>other<br>assaults | Assaults<br>by<br>animal | All<br>other<br>events <sup>5,6</sup> |
| Noncurrent-carrying wiring device  |       |            |                           |   |            |                     |                        |           |                          |                          |                          |                                       |
| manufacturing<br>All other electrical equipment and component                          | 17.5  | 17.5       | -                         | -   | -          | -                   | -                      | -         | -                        | -                        | -                        | 10.0                                  |
| manufacturing  | 24.1  | 10.3       | 6.9                       | 6.9   | -          | -                   | -                      | -         |                          | -                        | _                        | 13.8                                  |
| Carbon and graphite product manufacturing<br>All other miscellaneous electrical        | 18.2  | 18.2       | _                         | -   | -          | -                   | -                      | -         | -                        | -                        | -                        | 18.2                                  |
| equipment and component manufacturing  | 27.8  | _          | _                         | _   | _          | _                   | _                      | _         | _                        | _                        | _                        | 11.1                                  |
| Transportation equipment manufacturing   | 20.8  | 9.1        | 11.1                      | 4.4   | 1.2        | 0.2                 | 0.2                    | 0.1       | 0.1                      | _                        | _                        | 14.6                                  |
| Motor vehicle manufacturing<br>Automobile and light duty motor vehicle                 | 21.4  | 7.0        | 17.0                      | 3.5   | .6         | -                   | _                      | _         | -                        | -                        | -                        | 20.5                                  |
| manufacturing  | 19.0  | 5.9        | 18.7                      | 3.3   | _          | _                   | _                      | _         | _                        | _                        | _                        | 22.0                                  |
| Automobile manufacturing   | 18.1  | 5.2        | 17.6                      | 4.1   | _          | _                   | _                      | _         | _                        | _                        | _                        | 21.2                                  |
| Light truck and utility vehicle manufacturing  | 21.0  | 8.6        | 19.8                      | _   | _          | _                   | _                      | _         | _                        | _                        | _                        | 23.5                                  |
| Heavy duty truck manufacturing   | 30.9  | 11.8       | 10.3                      | 4.4   | _          | _                   | _                      | _         | _                        | _                        | _                        | 14.7                                  |
| Motor vehicle body and trailer manufacturing   | 19.2  | 9.8        | 5.5                       | 6.7   | .6         | _                   | _                      | _         | _                        | _                        | _                        | 8.5                                   |
| Motor vehicle body and trailer manufacturing   | 19.2  | 9.8        | 5.5                       | 6.7   | .6         | _                   | _                      | _         | _                        | _                        | _                        | 8.5                                   |
| Motor vehicle body manufacturing   | 20.3  | 9.8        | 4.9                       | 7.3   | 0          | _                   | _                      | _         | _                        | _                        | _                        | 6.5                                   |
| Truck trailer manufacturing  | 17.5  | 11.2       | 7.5                       | 7.5   | _          | _                   | _                      | _         | _                        | _                        | _                        | 12.5                                  |
| Motor home manufacturing   | 26.7  | 16.7       | _                         | _   | _          | _                   | _                      | _         | _                        | _                        | _                        | 10.0                                  |
| Travel trailer and camper manufacturing  | 16.7  | 6.2        | 5.2                       | 7.3   | _          | _                   | _                      | _         | _                        | _                        | _                        | 6.2                                   |
| Motor vehicle parts manufacturing  | 21.1  | 9.3        | 14.4                      | 4.4   | 1.4        | .3                  | _                      | _         | _                        | _                        | _                        | 11.3                                  |
| Motor vehicle gasoline engine and engine   |       | 0.0        |                           |   |            |                     |                        |           |                          |                          |                          |                                       |
| parts manufacturing<br>Carburetor, piston, piston ring, and valve                      | 22.5  | 11.3       | 14.1                      | 8.5   | -          | -                   | -                      | -         | -                        | -                        | -                        | 8.5                                   |
| manufacturing  | 17.6  | 11.8       | 11.8                      | 11.8  | -          | -                   | -                      | -         | -                        | -                        | -                        | 11.8                                  |
| Motor vehicle electrical and electronic  | 24.1  | 11.1       | 16.7                      | 5.6   | -          | -                   | -                      | -         | -                        | -                        | -                        | 7.4                                   |
| equipment manufacturing  | 17.4  | 7.0        | 20.9                      | 4.7   | _          | _                   | _                      | _         |                          | _                        | _                        | 9.3                                   |
| Vehicular lighting equipment manufacturing   | 26.7  | -          | 13.3                      | 4.7   | _          | _                   | _                      | _         | _                        | _                        | _                        | 9.5                                   |
| Other motor vehicle electrical and   | 45 5  | 7.0        | 22.5                      | 4.2   |            |                     |                        |           |                          |                          |                          | 0.0                                   |
| electronic equipment manufacturing<br>Motor vehicle steering and suspension            | 15.5  | 7.0        | 22.5                      | 4.2   | -          | -                   | -                      | -         | _                        | -                        | -                        | 9.9                                   |
| components (except spring) manufacturing   | 15.7  | 7.8        | 11.8                      | 3.9   | -          | -                   | -                      | -         | -                        | -                        | -                        | 19.6                                  |
| Motor vehicle brake system manufacturing<br>Motor vehicle transmission and power train | 20.0  | 10.0       | 17.5                      | -   | -          | -                   | -                      | -         | -                        | -                        | -                        | 10.0                                  |
| parts manufacturing<br>Motor vehicle seating and interior trim                         | 27.0  | 9.0        | 11.2                      | 3.4   | -          | -                   | -                      | -         | -                        | -                        | -                        | 14.6                                  |
| manufacturing  | 23.9  | 12.0       | 23.9                      | 2.2   | -          | -                   | -                      | -         | -                        | -                        | -                        | 9.8                                   |
| Motor vehicle metal stamping   | 20.0  | 8.0        | 9.6                       | 4.8   | 1.6        | -                   | -                      | -         | -                        | -                        | -                        | 10.4                                  |
| Other motor vehicle parts manufacturing  | 20.7  | 9.9        | 12.4                      | 4.5   | 2.1        | _                   | -                      | -         |                          | -                        | -                        | 10.7                                  |

|   |                            |                |       | Perce                  | ent of indu                 | stry case to  | otal involvi                 | ng —                        |  |
|---|----------------------------|----------------|-------|------------------------|-----------------------------|---|------------------------------|-----------------------------|--|
|   |                            |                |       | Contact w              | ith objects                 |   |                              |                             |  |
| Industry <sup>3</sup>                             | NAICS<br>code <sup>4</sup> | Total<br>cases | Total | Struck<br>by<br>object | Struck<br>against<br>object | Caught<br>in or<br>com-<br>pressed<br>or<br>crushed | Fall<br>to<br>lower<br>level | Fall<br>on<br>same<br>level | Slips<br>or<br>trips<br>without<br>fall <sup>5</sup> |
| Motor vehicle air-conditioning                    |                            |                |       |                        |                             |   |                              |                             |  |
| manufacturing                                     | 336391                     | 150            | 26.7  | 13.3                   | _                           | _   | _                            | 13.3                        | _  |
| All other motor vehicle parts manufacturing       | 336399                     | 2,270          | 34.4  | 15.0                   | 6.6                         | 11.0  | 2.2                          | 11.9                        | 1.8  |
| Aerospace product and parts manufacturing         | 3364                       | 4,280          | 23.6  | 11.2                   | 6.3                         | 4.7   |                              | 10.7                        | 4.9  |
|   | 33641                      |                | 23.6  | 11.2                   |                             | 4.7   | 3.3                          | 10.7                        | 4.9  |
| Aerospace product and parts manufacturing         |                            | 4,280          |       |                        | 6.3                         | 1   | 3.3                          | -                           |  |
| Aircraft manufacturing                            | 336411                     | 2,150          | 20.0  | 10.7                   | 5.6                         | 2.3   | 2.3                          | 7.4                         | 7.0  |
| Aircraft engine and engine parts                  |                            |                |       |                        |                             |   |                              |                             |  |
| manufacturing                                     | 336412                     | 800            | 30.0  | 13.8                   | 6.2                         | 7.5   | 2.5                          | 13.8                        | -  |
| Other aircraft parts and auxiliary equipment      |                            |                |       |                        |                             |   |                              |                             |  |
| manufacturing                                     | 336413                     | 1,050          | 26.7  | 11.4                   | 6.7                         | 7.6   | 4.8                          | 13.3                        | 3.8  |
| Guided missile and space vehicle                  |                            |                |       |                        |                             |   |                              |                             |  |
| manufacturing                                     | 336414                     | 180            | 16.7  | _                      | _                           | -   | _                            | 22.2                        | -  |
| Guided missile and space vehicle                  |                            |                |       |                        |                             |   |                              |                             |  |
| propulsion unit and propulsion unit parts         |                            |                |       |                        |                             |   |                              |                             |  |
| manufacturing                                     | 336415                     | 70             | _     | _                      | _                           | _   | _                            | _                           | _  |
| Other guided missile and space vehicle            | 000410                     | 10             |       |                        |                             |   |                              |                             |  |
| parts and auxiliary equipment                     |                            |                |       |                        |                             |   |                              |                             |  |
|   | 336419                     | 30             |       |                        |                             |   |                              |                             |  |
| manufacturing                                     |                            |                | -     | 40.0                   | - 70                        |   | 47                           |                             | _  |
| Railroad rolling stock manufacturing              | 3365                       | 430            | 37.2  | 16.3                   | 7.0                         | 7.0   | 4.7                          | 9.3                         | -  |
| Ship and boat building                            | 3366                       | 3,940          | 30.5  | 15.0                   | 9.9                         | 2.8   | 9.1                          | 12.9                        | 2.8  |
| Ship and boat building                            | 33661                      | 3,940          | 30.5  | 15.0                   | 9.9                         | 2.8   | 9.1                          | 12.9                        | 2.8  |
| Ship building and repairing                       | 336611                     | 2,910          | 30.6  | 15.5                   | 10.3                        | 1.7   | 9.6                          | 12.4                        | 2.7  |
| Boat building                                     | 336612                     | 1,030          | 30.1  | 12.6                   | 8.7                         | 5.8   | 7.8                          | 14.6                        | 2.9  |
| Other transportation equipment manufacturing      | 3369                       | 570            | 24.6  | 10.5                   | 5.3                         | 5.3   | 3.5                          | 5.3                         | -  |
| Other transportation equipment manufacturing      | 33699                      | 570            | 24.6  | 10.5                   | 5.3                         | 5.3   | 3.5                          | 5.3                         | -  |
| Motorcycle, bicycle, and parts                    |                            |                |       |                        |                             |   |                              |                             |  |
| manufacturing                                     | 336991                     | 300            | 23.3  | 6.7                    | -                           | -   | -                            | 6.7                         | -  |
| All other transportation equipment                |                            |                |       |                        |                             |   |                              |                             |  |
| manufacturing                                     | 336999                     | 210            | 28.6  | 14.3                   | _                           | 9.5   | _                            | _                           | _  |
| Furniture and related product manufacturing       | 337                        | 8,250          | 46.9  | 20.2                   | 9.7                         | 13.3  | 2.5                          | 6.4                         | 1.3  |
| Household and institutional furniture and kitchen | 001                        | 0,200          | 10.0  | 20.2                   | 0.1                         | 10.0  | 2.0                          | 0.1                         | 1.0  |
| cabinet manufacturing                             | 3371                       | 5,520          | 49.5  | 20.8                   | 10.5                        | 14.1  | 1.6                          | 6.3                         | 1.4  |
| Wood kitchen cabinet and countertop               | 3371                       | 5,520          | 49.5  | 20.0                   | 10.5                        | 14.1  | 1.0                          | 0.5                         | 1.4  |
|   | 33711                      | 2 4 0 0        | E1 0  | 17 4                   | 12.0                        | 15.0  | 10                           | 6.1                         | 1 0  |
| manufacturing                                     | 33711                      | 3,100          | 51.3  | 17.4                   | 12.9                        | 15.8  | 1.0                          | 6.1                         | 1.3  |
| Household and institutional furniture             | 00740                      | 0.400          | 47 4  | 05.0                   |                             | 40.0  | ~ -                          |                             | 4 7  |
| manufacturing                                     | 33712                      | 2,420          | 47.1  | 25.2                   | 7.4                         | 12.0  | 2.5                          | 6.6                         | 1.7  |
| Upholstered household furniture                   |                            |                |       |                        |                             |   |                              |                             |  |
| manufacturing                                     | 337121                     | 860            | 30.2  | 12.8                   | 8.1                         | 7.0   | 3.5                          | 9.3                         | 2.3  |
| Nonupholstered wood household furniture           |                            |                |       |                        |                             |   |                              |                             |  |
| manufacturing                                     | 337122                     | 870            | 55.2  | 27.6                   | 6.9                         | 16.1  | -                            | 5.7                         | -  |
| Metal household furniture manufacturing           | 337124                     | 90             | 33.3  | -                      | -                           | -   | -                            | -                           | -  |
|   |                            |                |       |                        |                             |   |                              |                             |  |

|   |       |            |                           |   | Percent o | f industry ca       | ase total ir           | volving — | -                        |                          |                          |                                       |
|---|-------|------------|---------------------------|---|-----------|---------------------|------------------------|-----------|--------------------------|--------------------------|--------------------------|---------------------------------------|
|   | Overe | exertion   |                           | Expo-<br>sure                                       |           | oortation<br>dents  |                        | А         | ssaults and              | d violent ad             | cts                      |                                       |
|   |       |            | Densi                     | to  | acci      |                     | Fires                  |           |                          | All other                | assaults                 |                                       |
| Industry <sup>3</sup>                             | Total | In lifting | Repeti-<br>tive<br>motion | harmful<br>sub-<br>stance<br>or<br>environ-<br>ment | Total     | Highway<br>accident | and<br>explo-<br>sions | Total     | Assaults<br>by<br>person | All<br>other<br>assaults | Assaults<br>by<br>animal | All<br>other<br>events <sup>5,6</sup> |
| Motor vehicle air-conditioning                    |       |            |                           |   |           |                     |                        |           |                          |                          |                          |                                       |
| manufacturing                                     | 26.7  | 20.0       | 13.3                      | -   | _         | _                   | _                      | -         | _                        | _                        | -                        | 13.3                                  |
| All other motor vehicle parts manufacturing       | 19.8  | 9.3        | 12.3                      | 4.8   | 2.2       | _                   | _                      | _         | _                        | _                        | _                        | 10.6                                  |
| Aerospace product and parts manufacturing         | 21.3  | 9.3        | 12.1                      | 3.3   | .9        | 0.5                 | _                      | _         | _                        | _                        | _                        | 19.4                                  |
| Aerospace product and parts manufacturing         | 21.3  | 9.3        | 12.1                      | 3.3   | .0        | .5                  | _                      | _         | _                        | _                        | _                        | 19.4                                  |
| Aircraft manufacturing                            | 19.5  | 6.5        | 14.4                      | 1.4   | .9        | .5                  |                        | _         | _                        | _                        |                          | 26.5                                  |
|   | 19.5  | 0.5        | 14.4                      | 1.4   | .9        | _                   | _                      | _         | _                        | _                        | _                        | 20.5                                  |
| Aircraft engine and engine parts                  |       | 10 5       | 10 5                      |   |           |                     |                        |           |                          |                          |                          |                                       |
| manufacturing                                     | 23.8  | 12.5       | 12.5                      | 3.8   | -         | -                   | -                      | -         | -                        | -                        | -                        | 11.2                                  |
| Other aircraft parts and auxiliary equipment      |       |            |                           |   |           |                     |                        |           |                          |                          |                          |                                       |
| manufacturing                                     | 21.0  | 12.4       | 7.6                       | 6.7   | -         | -                   | -                      | -         | -                        | -                        | -                        | 13.3                                  |
| Guided missile and space vehicle                  |       |            |                           |   |           |                     |                        |           |                          |                          |                          |                                       |
| manufacturing                                     | 27.8  | 11.1       | 16.7                      | _   | _         | _                   | _                      | _         | _                        | _                        | _                        | _                                     |
| Guided missile and space vehicle                  | _     |            | -                         |   |           |                     |                        |           |                          |                          |                          |                                       |
| propulsion unit and propulsion unit parts         |       |            |                           |   |           |                     |                        |           |                          |                          |                          |                                       |
|   | 28.6  | _          |                           |   | _         | _                   |                        |           |                          |                          | _                        |                                       |
| manufacturing                                     | 20.0  | -          | _                         | _   | -         | _                   | _                      |           |                          | _                        | -                        | -                                     |
| Other guided missile and space vehicle            |       |            |                           |   |           |                     |                        |           |                          |                          |                          |                                       |
| parts and auxiliary equipment                     |       |            |                           |   |           |                     |                        |           |                          |                          |                          |                                       |
| manufacturing                                     | -     | -          | -                         | -   | -         | -                   | -                      | -         | -                        | -                        | -                        | -                                     |
| Railroad rolling stock manufacturing              | 18.6  | 7.0        | 9.3                       | 4.7   | -         | -                   | -                      | -         | -                        | -                        | -                        | 11.6                                  |
| Ship and boat building                            | 19.3  | 9.9        | 2.8                       | 4.3   | 1.0       | -                   | -                      |           | -                        | -                        | -                        | 17.0                                  |
| Ship and boat building                            | 19.3  | 9.9        | 2.8                       | 4.3   | 1.0       | _                   | _                      | - 1       | _                        | _                        | _                        | 17.0                                  |
| Ship building and repairing                       |       | 10.7       | 1.7                       | 3.8   | 1.0       | _                   | _                      | _         | _                        | _                        | _                        | 17.5                                  |
| Boat building                                     | 16.5  | 7.8        | 4.9                       | 5.8   | 1.0       | _                   | _                      | _         | _                        | _                        | _                        | 15.5                                  |
|   | 29.8  | 8.8        | 12.3                      | 3.5   | 5.3       | _                   | _                      | _         | _                        |                          | _                        | 12.3                                  |
| Other transportation equipment manufacturing      |       |            | -                         |   |           | -                   | -                      | -         | -                        | -                        |                          | -                                     |
| Other transportation equipment manufacturing      | 29.8  | 8.8        | 12.3                      | 3.5   | 5.3       | -                   | -                      | -         | -                        | -                        | -                        | 12.3                                  |
| Motorcycle, bicycle, and parts                    |       |            |                           |   |           |                     |                        |           |                          |                          |                          |                                       |
| manufacturing                                     | 36.7  | 6.7        | 13.3                      | 6.7   | -         | -                   | -                      | -         | -                        | -                        | -                        | 10.0                                  |
| All other transportation equipment                |       |            |                           |   |           |                     |                        |           |                          |                          |                          |                                       |
| manufacturing                                     | 23.8  | 9.5        | 9.5                       | -   | 9.5       | -                   | -                      | -         | -                        | -                        | -                        | 14.3                                  |
| Furniture and related product manufacturing       | 24.7  | 14.9       | 6.4                       | 1.8   | 1.3       | .5                  | _                      | 0.2       | _                        | _                        | _                        | 8.4                                   |
| Household and institutional furniture and kitchen |       |            |                           |   |           |                     |                        |           |                          |                          |                          |                                       |
| cabinet manufacturing                             | 23.4  | 13.4       | 5.6                       | 1.6   | 1.4       | .5                  | _                      | _         | _                        | _                        | _                        | 8.9                                   |
|   | 23.4  | 13.4       | 5.0                       | 1.0   | 1.4       | .5                  | _                      | _         | _                        | _                        | _                        | 0.5                                   |
| Wood kitchen cabinet and countertop               | 00.0  | 44.0       | 5.0                       | 10  |           |                     |                        |           |                          |                          |                          | 0.4                                   |
| manufacturing                                     | 23.9  | 14.2       | 5.2                       | 1.3   | .6        | -                   | -                      |           | -                        | -                        | -                        | 9.4                                   |
| Household and institutional furniture             |       | l          |                           |   |           |                     |                        |           |                          |                          |                          |                                       |
| manufacturing                                     | 22.7  | 12.4       | 6.6                       | 2.1   | 2.5       | .8                  | -                      | -         | -                        | -                        | -                        | 8.3                                   |
| Upholstered household furniture                   |       |            |                           |   |           |                     |                        |           |                          |                          |                          |                                       |
| manufacturing                                     | 29.1  | 16.3       | 12.8                      | 2.3   | 2.3       | -                   | _                      | -         |                          | _                        | _                        | 9.3                                   |
| Nonupholstered wood household furniture           | -     |            | _                         | _   | -         |                     |                        |           |                          |                          |                          |                                       |
| manufacturing                                     | 19.5  | 12.6       | 2.3                       | _   | 3.4       |                     | _                      | _         | _                        | _                        | _                        | 9.2                                   |
|   | 22.2  | 22.2       | 2.5                       |   |           |                     |                        |           |                          |                          |                          | 0.2                                   |
| Metal household furniture manufacturing           |       |            |                           |   |           |                     |                        |           |                          |                          |                          |                                       |

|  |                            |                |       | Perce                  | ent of indu                 | stry case to  | otal involvi                 | ng —                        |  |
|--|----------------------------|----------------|-------|------------------------|-----------------------------|---|------------------------------|-----------------------------|--|
|  |                            |                |       | Contact w              | vith objects                |   |                              |                             |  |
| Industry <sup>3</sup>  | NAICS<br>code <sup>4</sup> | Total<br>cases | Total | Struck<br>by<br>object | Struck<br>against<br>object | Caught<br>in or<br>com-<br>pressed<br>or<br>crushed | Fall<br>to<br>lower<br>level | Fall<br>on<br>same<br>level | Slips<br>or<br>trips<br>without<br>fall <sup>5</sup> |
| Household furniture (except wood and   |                            |                |       |                        |                             |   |                              |                             |  |
| metal) manufacturing   | 337125                     | 90             | 44.4  | 33.3                   | _                           | _   | _                            | _                           | _  |
| Institutional furniture manufacturing  | 337127                     | 490            | 65.3  | 40.8                   | 8.2                         | 14.3  | _                            | 4.1                         | _  |
| Office furniture (including fixtures) manufacturing  |                            | 1,970          | 43.7  | 19.8                   | 6.6                         | 13.7  | 3.6                          | 5.6                         | _  |
| Office furniture (including fixtures)  | 0012                       | 1,010          | 10.1  | 10.0                   | 0.0                         | 10.1  | 0.0                          | 0.0                         |  |
| manufacturing  | 33721                      | 1,970          | 43.7  | 19.8                   | 6.6                         | 13.7  | 3.6                          | 5.6                         | _  |
| Wood office furniture manufacturing  | 337211                     | 280            | 50.0  | 25.0                   | _                           | 17.9  | _                            | 7.1                         | _  |
| Custom architectural woodwork and  | 007211                     | 200            | 00.0  | 20.0                   |                             |   |                              |                             |  |
| millwork manufacturing<br>Office furniture (except wood)   | 337212                     | 280            | 64.3  | 32.1                   | 7.1                         | 17.9  | -                            | -                           | -  |
| manufacturing  | 337214                     | 210            | 28.6  | 9.5                    | -                           | 9.5   | 14.3                         | 9.5                         | -  |
| manufacturing  | 337215                     | 1,200          | 40.0  | 18.3                   | 7.5                         | 12.5  | 2.5                          | 5.8                         | _  |
| Other furniture related product manufacturing  |                            | 760            | 35.5  | 17.1                   | 10.5                        | 6.6   | 6.6                          | 9.2                         | 2.6  |
| Mattress manufacturing   |                            | 500            | 40.0  | 20.0                   | 12.0                        | 6.0   | _                            | 10.0                        | _  |
| Blind and shade manufacturing  |                            | 260            | 26.9  | 11.5                   | 7.7                         | 7.7   | 15.4                         | 7.7                         | _  |
| Miscellaneous manufacturing  |                            | 5,840          | 35.4  | 13.4                   | 8.0                         | 9.9   | 4.8                          | 11.0                        | 3.6  |
| Medical equipment and supplies manufacturing   | 3391                       | 2,230          | 30.5  | 12.1                   | 4.9                         | 7.2   | 2.2                          | 11.7                        | 6.3  |
| Medical equipment and supplies   |                            | ,              |       |                        |                             |   |                              |                             |  |
| manufacturing  | 33911                      | 2,230          | 30.5  | 12.1                   | 4.9                         | 7.2   | 2.2                          | 11.7                        | 6.3  |
| Laboratory apparatus and furniture   |                            | _,             |       |                        |                             |   |                              |                             |  |
| manufacturing  | 339111                     | 90             | 66.7  | 44.4                   | _                           | _   | _                            | _                           | _  |
| Surgical and medical instrument  |                            |                |       |                        |                             |   |                              |                             |  |
| manufacturing  | 339112                     | 760            | 23.7  | 10.5                   | 3.9                         | 6.6   | 3.9                          | 14.5                        | 2.6  |
| Surgical appliance and supplies  |                            |                |       |                        |                             |   |                              |                             |  |
| manufacturing  | 339113                     | 770            | 23.4  | 9.1                    | 6.5                         | 6.5   | 2.6                          | 14.3                        | 13.0   |
| Dental equipment and supplies  |                            |                |       |                        |                             |   |                              |                             |  |
| manufacturing  |                            | 190            | 47.4  | 26.3                   | -                           | 21.1  | -                            |                             | -  |
| Ophthalmic goods manufacturing   |                            | 230            | 17.4  | 8.7                    | -                           | -   | -                            | 13.0                        | -  |
| Dental laboratories  |                            | 190            | 63.2  |                        | -                           |   |                              | -                           |  |
| Other miscellaneous manufacturing  |                            | 3,610          | 38.5  | 14.4                   | 10.0                        | 11.6  | 6.4                          | 10.5                        | 1.7  |
| Jewelry and silverware manufacturing   | 33991                      | 270            | 29.6  | 11.1                   | -                           | 14.8  | -                            | 14.8                        | -  |
| Jewelry (except costume) manufacturing   | 339911                     | 200            | 35.0  | 15.0                   | -                           | 20.0  | -                            | 15.0                        |  |
| Costume jewelry and novelty manufacturing  |                            | 20             | -     | -                      | -                           |   | -                            | -                           | -  |
| Sporting and athletic goods manufacturing  |                            | 670            | 40.3  | 11.9                   | 9.0                         | 11.9  | -                            | 14.9                        | -  |
| Doll, toy, and game manufacturing  |                            | 210            | 57.1  | 28.6                   | 23.8                        | -   | -                            | 9.5                         | -  |
| Doll and stuffed toy manufacturing   | 339931                     | 40             | -     | -                      | -                           | -   | -                            | -                           | -  |
| Game, toy, and children's vehicle  | 000000                     | 470            | 047   | 05.0                   | 00.4                        |   |                              |                             |  |
| manufacturing  | 339932                     | 170            | 64.7  | 35.3                   | 29.4                        | -   | -                            | -                           | -  |
| Office supplies (except paper) manufacturing   | 33994                      | 170            | 35.3  | -                      | -                           | 17.6  | -                            | 11.8                        | -  |
| Device and a second sec | 339941                     | 40             | -     | -                      | -                           | · -   | l _                          | · -                         | I —  |
| Pen and mechanical pencil manufacturing<br>Lead pencil and art good manufacturing  | 339942                     | 60             | 33.3  | _                      | _                           | _   | _                            |                             |  |

| Industry <sup>3</sup>  | Overe  | vortion    |                           |   |       |                     |                        |       |                          |                          |                          |                                       |
|--|--------|------------|---------------------------|---|-------|---------------------|------------------------|-------|--------------------------|--------------------------|--------------------------|---------------------------------------|
| Industry3  |        | exertion   | -                         | Expo-<br>sure                                       |       | portation<br>idents |                        | A     | Assaults and             | d violent ad             | cts                      |                                       |
| Inductru/3   |        |            |                           | to  |       |                     | Fires                  |       |                          | All other                | assaults                 |                                       |
|  | Total  | In lifting | Repeti-<br>tive<br>motion | harmful<br>sub-<br>stance<br>or<br>environ-<br>ment | Total | Highway<br>accident | and<br>explo-<br>sions | Total | Assaults<br>by<br>person | All<br>other<br>assaults | Assaults<br>by<br>animal | All<br>other<br>events <sup>5,6</sup> |
| Household furniture (except wood and   |        |            |                           |   |       |                     |                        |       |                          |                          |                          |                                       |
| metal) manufacturing   | . 22.2 | _          | -                         | -   | -     | -                   | -                      | -     |                          | -                        | -                        | -                                     |
| Institutional furniture manufacturing  |        | 6.1        | 4.1                       | -   | _     | _                   | _                      | _     | -                        | -                        | _                        | _                                     |
| Office furniture (including fixtures) manufacturing<br>Office furniture (including fixtures) |        | 19.8       | 8.1                       | 2.5   | -     | -                   | -                      | -     | -                        | -                        | -                        | 6.1                                   |
| manufacturing  | . 28.4 | 19.8       | 8.1                       | 2.5   | _     | _                   | _                      | _     | _                        | _                        | _                        | 6.1                                   |
| Wood office furniture manufacturing<br>Custom architectural woodwork and                     |        | 25.0       | _                         | -   | -     | -                   | -                      | -     | -                        | -                        | -                        | _                                     |
| office furniture (except wood)   | . 17.9 | 7.1        | 7.1                       | -   | -     | -                   | -                      | -     | -                        | -                        | -                        | -                                     |
| manufacturing<br>Showcase, partition, shelving, and locker                                   | . 23.8 | 14.3       | 14.3                      | -   | -     | -                   | -                      | -     | -                        | -                        | -                        | 14.3                                  |
| manufacturing  | . 31.7 | 23.3       | 8.3                       | 3.3   | _     | _                   | _                      | _     |                          | _                        | _                        | 6.7                                   |
| Other furniture related product manufacturing  |        | 11.8       | 6.6                       | _   | _     | _                   | _                      | _     | _                        | _                        | _                        | 9.2                                   |
| Mattress manufacturing   |        | 14.0       | 6.0                       | _   | _     | _                   | _                      | _     | _                        | _                        | _                        | 8.0                                   |
| Blind and shade manufacturing  |        | 7.7        |                           | _   | _     | _                   | _                      | _     | _                        | _                        | _                        | 15.4                                  |
| Miscellaneous manufacturing  |        | 9.1        | 12.8                      | 5.0   | 1.7   | 0.3                 | _                      | _     | _                        | _                        | _                        | 8.7                                   |
| Medical equipment and supplies manufacturing<br>Medical equipment and supplies               | 15.7   | 8.5        | 16.1                      | 6.7   | .9    | .9                  | -                      | -     | -                        | -                        | -                        | 10.3                                  |
| manufacturing  | . 15.7 | 8.5        | 16.1                      | 6.7   | .9    | .9                  | -                      | -     | -                        | -                        | -                        | 10.3                                  |
| manufacturing<br>Surgical and medical instrument   | . 22.2 | -          | -                         | -   | -     | -                   | -                      | -     | -                        | -                        | -                        | -                                     |
| manufacturing<br>Surgical appliance and supplies   | . 14.5 | 6.6        | 21.1                      | 5.3   | _     | -                   | -                      | -     | -                        | -                        | -                        | 14.5                                  |
| manufacturing<br>Dental equipment and supplies   | . 16.9 | 11.7       | 14.3                      | 6.5   | -     | -                   | -                      | -     | -                        | -                        | -                        | 6.5                                   |
| manufacturing  |        | 10.5       | 10.5                      | -   | -     | _                   | -                      | -     |                          | -                        | -                        | 15.8                                  |
| Ophthalmic goods manufacturing   |        | 8.7        | 13.0                      | 21.7  | -     | -                   | -                      | -     | -                        | -                        | -                        | 8.7                                   |
| Dental laboratories  |        | -          | -                         | -   | -     | _                   | -                      | _     |                          | -                        | -                        | -                                     |
| Other miscellaneous manufacturing  | . 17.7 | 9.4        | 10.8                      | 3.9   | 2.2   | -                   | -                      | _     |                          | -                        | -                        | 8.0                                   |
| Jewelry and silverware manufacturing   |        | 7.4        | 14.8                      |   | -     | _                   | -                      | -     |                          | -                        | -                        | 11.1                                  |
| Jewelry (except costume) manufacturing   | . 15.0 | _          | 15.0                      |   | -     | _                   | -                      | -     |                          | -                        | -                        | 10.0                                  |
| Costume jewelry and novelty manufacturing  |        |            | -                         | -   | _     | _                   | -                      | -     |                          | -                        | -                        | -                                     |
| Sporting and athletic goods manufacturing  |        | 9.0        | 7.5                       | 6.0   | _     | _                   | -                      | _     | -                        | -                        | -                        | 9.0                                   |
| Doll, toy, and game manufacturing  |        | -          | -                         | -   | -     | -                   | -                      | -     | -                        | -                        | -                        | 14.3                                  |
| Doll and stuffed toy manufacturing<br>Game, toy, and children's vehicle                      |        | -          | -                         | -   | _     | -                   | -                      | -     | -                        | -                        | -                        | -                                     |
| manufacturing  | . –    | _          | _                         | -   | _     | _                   | _                      | _     | -                        | _                        | _                        | 17.6                                  |
| Office supplies (except paper) manufacturing   |        | _          | 11.8                      | _   | _     | _                   | _                      | _     | _                        | _                        | _                        | 11.8                                  |
| Pen and mechanical pencil manufacturing  |        | _          | -                         | _   | _     | _                   | _                      | _     | _                        | _                        | _                        | _                                     |
| Lead pencil and art good manufacturing   |        | _          | _                         |   | _     | _                   | _                      | _     | -                        | -                        | -                        | -                                     |

|  |                            |                |       | Perce                  | ent of indu                 | stry case to  | otal involvi                 | ng —                        |  |
|--|----------------------------|----------------|-------|------------------------|-----------------------------|---|------------------------------|-----------------------------|--|
|  |                            |                |       | Contact w              | vith objects                |   |                              |                             |  |
| Industry <sup>3</sup>  | NAICS<br>code <sup>4</sup> | Total<br>cases | Total | Struck<br>by<br>object | Struck<br>against<br>object | Caught<br>in or<br>com-<br>pressed<br>or<br>crushed | Fall<br>to<br>lower<br>level | Fall<br>on<br>same<br>level | Slips<br>or<br>trips<br>without<br>fall <sup>5</sup> |
| Carbon paper and inked ribbon  |                            |                |       |                        |                             |   |                              |                             |  |
| manufacturing  | 339944                     | 30             | _     | _                      | _                           | _   | _                            | _                           | _  |
| Sign manufacturing   | 339944                     | 1.000          | 40.0  | 14.0                   | 15.0                        | 9.0   | 14.0                         | 8.0                         | 2.0  |
|  |                            | ,              |       | -                      |                             |   | -                            |                             | 2.0  |
| All other miscellaneous manufacturing  | 33999                      | 1,280          | 36.7  | 15.6                   | 6.2                         | 14.1  | 3.1                          | 8.6                         | _  |
| Gasket, packing, and sealing device  | 339991                     | 220            | 24.2  | 6.0                    |                             | 10.0  |                              | 21.0                        |  |
| manufacturing  |                            | 320            | 31.2  | 6.2                    | -                           | 18.8  | -                            | 21.9                        | _  |
| Musical instrument manufacturing   | 339992                     | 240            | 41.7  | 25.0                   | -                           | 12.5  | -                            | -                           | -  |
| Fastener, button, needle, and pin  |                            |                |       |                        |                             |   |                              |                             |  |
| manufacturing  | 339993                     | 50             | -     | -                      | -                           | -   | -                            | -                           | -  |
| Broom, brush, and mop manufacturing  | 339994                     | 110            | 45.5  |                        | -                           | 36.4  | -                            | -                           | -  |
| Burial casket manufacturing  | 339995                     | 120            | 41.7  | 16.7                   |                             |   | <del>-</del> .               |                             | -  |
| All other miscellaneous manufacturing  | 339999                     | 450            | 35.6  | 15.6                   | 8.9                         | 8.9   | 4.4                          | 6.7                         | -  |
| Service providing  |                            | 809,420        | 23.3  | 12.3                   | 6.1                         | 3.2   | 5.9                          | 16.4                        | 3.5  |
| Trade, transportation, and utilities <sup>10</sup>                               |                            | 359,770        | 26.5  | 13.7                   | 6.6                         | 4.2   | 6.5                          | 13.2                        | 3.1  |
| Wholesale trade  | 42                         | 75,230         | 29.8  | 15.8                   | 6.2                         | 5.9   | 7.8                          | 9.0                         | 2.9  |
| Merchant wholesalers, durable goods<br>Motor vehicle and motor vehicle parts and | 423                        | 37,150         | 35.1  | 20.2                   | 6.4                         | 5.8   | 7.9                          | 7.5                         | 2.9  |
| supplies merchant wholesalers  | 4231                       | 6,310          | 32.6  | 21.4                   | 6.0                         | 2.9   | 8.2                          | 11.9                        | 1.1  |
| wholesalers  | 4232                       | 1,260          | 31.0  | 24.6                   | -                           | -   | 12.7                         | 5.6                         | -  |
| merchant wholesalers   | 4233                       | 5,050          | 41.8  | 24.6                   | 8.5                         | 8.3   | 7.7                          | 2.8                         | 8.1  |
| supplies merchant wholesalers  | 4234                       | 3,500          | 16.9  | 8.9                    | 6.3                         | 1.1   | 9.7                          | 12.6                        | .9   |
| wholesalers  | 4235                       | 3,050          | 55.1  | 35.4                   | 4.9                         | 7.9   | 1.0                          | 4.3                         | 7.9  |
| Electrical goods merchant wholesalers  | 4236                       | 1,950          | 31.3  | 12.8                   | 7.7                         | 8.2   | 3.6                          | 4.6                         | 3.1  |
| Hardware, and plumbing and heating equipment                                     | .200                       | 1,000          | 01.0  | 12.0                   |                             | 0.2   | 0.0                          |                             | 0.1  |
| and supplies merchant wholesalers  | 4237                       | 3,020          | 19.2  | 10.6                   | 4.0                         | 3.6   | 9.9                          | 7.6                         | 1.7  |
| Machinery, equipment, and supplies merchant                                      | _                          | - /            | -     |                        |                             |   |                              | _                           |  |
| wholesalers  | 4238                       | 9,840          | 37.8  | 21.7                   | 6.6                         | 6.2   | 11.2                         | 7.0                         | 1.6  |
| Miscellaneous durable goods merchant   |                            | 0,010          | 00    |                        | 0.0                         |   |                              |                             |  |
| wholesalers  | 4239                       | 3,160          | 41.5  | 16.5                   | 7.6                         | 11.7  | 1.6                          | 7.9                         | 1.3  |
| Sporting and recreational goods and supplies                                     | 1200                       | 5,100          |       | .0.0                   | 1.0                         |   |                              | 1.0                         | 1.0  |
| merchant wholesalers   | 42391                      | 600            | _     | _                      | _                           | _   | _                            | 10.0                        | _  |
| Recyclable material merchant wholesalers   | 42393                      | 1,890          | 52.9  | 20.6                   | 5.8                         | 16.9  | 2.1                          | 7.9                         | _  |
| Jewelry, watch, precious stone, and precious                                     | 42000                      | 1,030          | 52.3  | 20.0                   | 0.0                         | 10.3  | 2.1                          | 1.3                         | _  |
| metal merchant wholesalers   | 42394                      | 50             | 40.0  | 40.0                   | -                           | -   | -                            | -                           | -  |

|  |       |            | 1                         | 1   | Percent o | f industry ca       | ase total in           | volving — | -                        |                          |                          | 1                                     |
|--|-------|------------|---------------------------|---|-----------|---------------------|------------------------|-----------|--------------------------|--------------------------|--------------------------|---------------------------------------|
|  | Overe | exertion   | -                         | Expo-<br>sure                                       |           | oortation<br>dents  |                        | A         | ssaults and              | d violent ad             | cts                      | _                                     |
|  |       |            |                           | to  | acci      |                     | Fires                  |           |                          | All other                | assaults                 |                                       |
| Industry <sup>3</sup>  | Total | In lifting | Repeti-<br>tive<br>motion | harmful<br>sub-<br>stance<br>or<br>environ-<br>ment | Total     | Highway<br>accident | and<br>explo-<br>sions | Total     | Assaults<br>by<br>person | All<br>other<br>assaults | Assaults<br>by<br>animal | All<br>other<br>events <sup>5,6</sup> |
| Carbon paper and inked ribbon  |       |            |                           |   |           |                     |                        |           |                          |                          |                          |                                       |
| manufacturing  | _     | _          | _                         | - 1   | _         | _                   | _                      | _         |                          | - 1                      | -                        | _                                     |
| Sign manufacturing   | 13.0  | 11.0       | 10.0                      | 2.0   | 6.0       | _                   | _                      | _         | _                        | _                        | _                        | 5.0                                   |
| All other miscellaneous manufacturing  | 23.4  | 10.9       | 14.1                      | 4.7   | - 0.0     | _                   |                        | _         | _                        | _                        | _                        | 7.0                                   |
| Gasket, packing, and sealing device  | -     |            |                           |   | _         | _                   | -                      | _         | _                        | _                        | _                        | 7.0                                   |
| manufacturing  | 18.8  | 12.5       | 12.5                      | 6.2   | -         | -                   | -                      | -         |                          | -                        | -                        | -                                     |
| Musical instrument manufacturing<br>Fastener, button, needle, and pin                    | 25.0  | -          | 20.8                      | -   | _         | -                   | -                      | -         | -                        | -                        | -                        | -                                     |
| manufacturing  | 40.0  | 40.0       | _                         | - 1   | _         | _                   | _                      | _         |                          | -                        | -                        | -                                     |
| Broom, brush, and mop manufacturing  | 27.3  | 18.2       | _                         | _   | _         | _                   | _                      | _         | - 1                      | _                        | _                        | _                                     |
| Burial casket manufacturing  | 16.7  | _          | 25.0                      | _   | _         | _                   | _                      | _         | _                        | _                        | _                        | _                                     |
| All other miscellaneous manufacturing  | 24.4  | 11.1       | 13.3                      | 6.7   | _         | _                   |                        | _         | _                        |                          | _                        | 8.9                                   |
| ° °  |       |            |                           |   |           | _                   | -                      |           |                          | _                        |                          |                                       |
| Service providing  | 24.5  | 13.0       | 2.7                       | 4.6   | 5.3       | 3.4                 | 0.1                    | 2.8       | 2.0                      | 0.8                      | 0.7                      | 11.0                                  |
| Trade, transportation, and utilities <sup>10</sup>                                       | 26.2  | 14.8       | 2.6                       | 2.9   | 6.3       | 3.7                 | .2                     | 1.2       | .8                       | .5                       | .5                       | 11.3                                  |
| Wholesale trade  | 26.3  | 14.4       | 3.3                       | 2.0   | 6.6       | 3.8                 | .1                     | .5        | .1                       | .4                       | .4                       | 11.8                                  |
| Merchant wholesalers, durable goods<br>Motor vehicle and motor vehicle parts and         | 25.3  | 13.4       | 3.2                       | 2.1   | 4.7       | 2.2                 | -                      | .5        | .1                       | .4                       | .4                       | 10.7                                  |
| supplies merchant wholesalers<br>Furniture and home furnishing merchant                  | 20.6  | 12.4       | 2.7                       | 2.9   | 5.5       | 4.0                 | -                      | -         | -                        | -                        | -                        | 14.4                                  |
| wholesalers<br>Lumber and other construction materials                                   | 16.7  | 11.1       | -                         | -   | 2.4       | -                   | -                      | -         | -                        | -                        | -                        | 28.6                                  |
| merchant wholesalers<br>Professional and commercial equipment and                        | 26.1  | 16.8       | 2.2                       | -   | 4.0       | 2.2                 | -                      | 1.0       | -                        | -                        | -                        | 5.7                                   |
| supplies merchant wholesalers  | 35.4  | 19.7       | 3.4                       | 2.9   | 7.7       | 4.9                 | -                      | -         | -                        | -                        | -                        | 10.6                                  |
| wholesalers  | 21.6  | 4.9        | 2.0                       | 1.0   | 3.6       | _                   | _                      | _         |                          | -                        | _                        | 3.3                                   |
| Electrical goods merchant wholesalers  | 41.0  | 30.3       | 2.6                       | 3.1   | 3.1       | _                   | _                      | _         | _                        | _                        | _                        | 8.2                                   |
| Hardware, and plumbing and heating equipment   | -     |            | _                         |   | -         |                     |                        |           |                          |                          |                          |                                       |
| and supplies merchant wholesalers<br>Machinery, equipment, and supplies merchant         | 43.4  | 22.2       | -                         | -   | 5.6       | .7                  | -                      | _         | -                        | -                        | -                        | 10.6                                  |
| wholesalers<br>Miscellaneous durable goods merchant                                      | 21.2  | 8.8        | 2.7                       | 2.7   | 4.0       | 2.1                 | -                      | -         | -                        | -                        | -                        | 11.4                                  |
| wholesalers  | 15.5  | 7.0        | 11.7                      | 1.9   | 4.7       | .9                  | -                      | 2.8       | -                        | -                        | -                        | 10.8                                  |
| merchant wholesalers   | 21.7  | 15.0       | _                         | _   | _         | _                   | _                      | _         | _                        | _                        | _                        | _                                     |
| Recyclable material merchant wholesalers<br>Jewelry, watch, precious stone, and precious | 14.3  | 4.8        | -                         | 3.2   | 3.2       | 1.6                 | -                      | -         | -                        | -                        | -                        | 14.8                                  |
| metal merchant wholesalers   | -     | -          | -                         | -   | -         | _                   | -                      | -         | -                        | -                        | -                        | -                                     |

|  |                            |                |              | Perce                  | ent of indu                 | stry case to  | tal involvi                  | ng —                        |  |
|--|----------------------------|----------------|--------------|------------------------|-----------------------------|---|------------------------------|-----------------------------|--|
|  |                            |                |              | Contact w              | vith objects                |   |                              |                             |  |
| Industry <sup>3</sup>  | NAICS<br>code <sup>4</sup> | Total<br>cases | Total        | Struck<br>by<br>object | Struck<br>against<br>object | Caught<br>in or<br>com-<br>pressed<br>or<br>crushed | Fall<br>to<br>lower<br>level | Fall<br>on<br>same<br>level | Slips<br>or<br>trips<br>without<br>fall <sup>5</sup> |
| Other miscellaneous durable goods merchant   |                            |                |              |                        |                             |   |                              |                             |  |
| wholesalers  | 42399                      | 550            | 45.5         | 16.4                   | 20.0                        | 7.3   |                              | -                           | _  |
| Merchant wholesalers, nondurable goods   | 424                        | 33,630         | 24.9         | 11.6                   | 6.4                         | 5.9   | 7.4                          | 10.9                        | 3.0  |
| Paper and paper product merchant wholesalers<br>Drugs and druggists' sundries merchant | 4241                       | 1,380          | 18.1         | 8.7                    | 4.3                         | 4.3   | 8.7                          | 7.2                         | 4.3  |
| wholesalers<br>Apparel, piece goods, and notions merchant                              | 4242                       | 2,030          | 26.1         | 5.9                    | 5.9                         | 14.3  | 4.9                          | 14.3                        | 2.5  |
| wholesalers<br>Grocery and related product merchant                                    | 4243                       | 760            | 25.0         | 9.2                    | 7.9                         | 5.3   | 14.5                         | 11.8                        | 3.9  |
| wholesalers<br>Farm product raw material merchant                                      | 4244                       | 16,130         | 23.4         | 11.4                   | 6.1                         | 4.9   | 7.2                          | 10.6                        | 3.2  |
| wholesalers<br>Chemical and allied products merchant                                   | 4245<br>4246               | 1,030          | 33.0         | 14.6                   | - 3.1                       | 17.5<br>5.4   | 7.8<br>3.1                   | 10.7<br>13.8                | _  |
| wholesalers<br>Petroleum and petroleum products merchant<br>wholesalers                | 4240                       | 1,300<br>1,620 | 20.8<br>20.4 | 12.3<br>11.7           | 6.8                         | 5.4   | 20.4                         | 9.3                         | 3.7  |
| Beer, wine, and distilled alcoholic beverage merchant wholesalers                      | 4247                       | 4,540          | 20.4         | 10.6                   | 5.1                         | 4.2   | 4.8                          | 11.7                        | 3.7  |
| Miscellaneous nondurable goods merchant wholesalers                                    | 4249                       | 4,840          | 35.7         | 15.7                   | 11.6                        | 7.2   | 6.8                          | 10.1                        | 2.1  |
| Wholesale electronic markets and agents and brokers                                    | 425                        | 4,440          | 22.3         | 9.7                    | 3.8                         | 6.8   | 9.2                          | 7.9                         | 1.8  |
| Retail trade   | 44-45                      | 166,790        | 28.6         | 15.3                   | 7.5                         | 3.6   | 5.4                          | 16.2                        | 2.8  |
|  |                            | ,              |              |                        | _                           |   | -                            |                             | _  |
| Motor vehicle and parts dealers  | 441                        | 23,690         | 33.1         | 15.4                   | 9.3                         | 3.3   | 4.5                          | 15.2                        | 3.3  |
| Automobile dealers   | 4411<br>44111              | 15,300         | 32.7<br>32.8 | 15.7<br>15.5           | 9.6                         | 2.9   | 4.7<br>4.8                   | 17.1<br>16.9                | 3.3<br>3.4   |
| New car dealers<br>Used car dealers  | 44111                      | 14,460<br>840  | 32.0         | 20.2                   | 10.0<br>4.8                 | 2.8<br>4.8  | 4.8<br>2.4                   | 19.0                        | 3.4<br>2.4   |
| Other motor vehicle dealers  | 44112                      | 1,990          | 30.7         | 15.6                   | 7.5                         | 2.0   | 2.4<br>6.5                   | 9.5                         | 6.0  |
| Recreational vehicle dealers   | 44121                      | 390            | 38.5         | 23.1                   | 7.5                         | -   | 17.9                         | 5.1                         | 10.3   |
| Motorcycle, boat, and other motor vehicle<br>dealers                                   | 44122                      | 1,590          | 29.6         | 13.8                   | 6.9                         | 2.5   | 3.8                          | 10.7                        | 5.0  |
| Automotive parts, accessories, and tire stores   | 4413                       | 6,410          | 34.5         | 14.7                   | 9.2                         | 4.5   | 3.6                          | 12.5                        | 2.5  |
| Automotive parts and accessories stores  | 44131                      | 3,720          | 22.8         | 8.9                    | 12.9                        | -   | 3.2                          | 19.4                        | 3.8  |
| Tire dealers   | 44132                      | 2,680          | 50.7         | 22.8                   | 4.1                         | 9.7   | 4.1                          | 3.0                         | -  |
| Furniture and home furnishings stores  | 442                        | 6,830          | 31.5         | 22.8                   | 5.4                         | 1.9   | 8.8                          | 10.4                        | 1.2  |
| Furniture stores   | 4421                       | 3,430          | 32.4         | 23.0                   | 6.1                         | 2.0   | 8.2                          | 9.6                         | 1.5  |
| Home furnishings stores  | 4422                       | 3,400          | 30.9         | 22.6                   | 4.7                         | 1.8   | 9.4                          | 10.9                        | 1.2  |
| Floor covering stores  | 44221                      | 790            | 27.8         | 24.1                   | -                           |   | -                            | -                           | -  |
| Other home furnishings stores  | 44229                      | 2,610          | 31.8         | 22.2                   | 5.4                         | 2.3   | 11.5                         | 13.8                        | 1.1  |

|  |              |              |                           |  | Percent o | f industry ca       | ase total ir           | volving — | -                        |                          |                          |                                |
|--|--------------|--------------|---------------------------|--|-----------|---------------------|------------------------|-----------|--------------------------|--------------------------|--------------------------|--------------------------------|
|  | Overe        | exertion     |                           | Expo-<br>sure                            |           | oortation<br>idents |                        | A         | ssaults and              | d violent ad             | cts                      | -                              |
| Inductor 3   |              |              | Popoti                    | to                                       |           |                     | Fires                  |           |                          | All other                | assaults                 | All                            |
| Industry <sup>3</sup>  | Total        | In lifting   | Repeti-<br>tive<br>motion | sub-<br>stance<br>or<br>environ-<br>ment | Total     | Highway<br>accident | and<br>explo-<br>sions | Total     | Assaults<br>by<br>person | All<br>other<br>assaults | Assaults<br>by<br>animal | other<br>events <sup>5,6</sup> |
| Other miscellaneous durable goods merchant   |              |              |                           |  |           |                     |                        |           |                          |                          |                          |                                |
| wholesalers  | 14.5         | 5.5          | 12.7                      | -  | 16.4      | -                   | -                      | -         | -                        | -                        | -                        | 7.3                            |
| Merchant wholesalers, nondurable goods   | 27.0         | 14.7         | 3.4                       | 1.9                                      | 8.0       | 4.7                 | 0.1                    | 0.5       | 0.2                      | 0.2                      | 0.2                      | 13.0                           |
| Paper and paper product merchant wholesalers<br>Drugs and druggists' sundries merchant | 26.1         | 16.7         | 8.7                       | 1.4                                      | 2.9       | 1.4                 | -                      | _         | -                        | -                        | -                        | 21.7                           |
| wholesalers<br>Apparel, piece goods, and notions merchant                              | 14.3         | 10.3         | 3.4                       | 2.5                                      | 20.7      | 17.7                | -                      | -         | _                        | -                        | -                        | 11.3                           |
| wholesalers<br>Grocery and related product merchant                                    | 27.6         | 22.4         | 5.3                       | 2.6                                      | 3.9       | -                   | -                      | -         | -                        | -                        | -                        | 3.9                            |
| wholesalers<br>Farm product raw material merchant                                      | 29.8         | 16.2         | 3.3                       | 1.1                                      | 7.3       | 3.3                 | -                      | .4        | .4                       | -                        | -                        | 13.8                           |
| wholesalers<br>Chemical and allied products merchant                                   | 25.2         | 14.6         | -                         | -  | 7.8       | 3.9                 | -                      | 3.9       | -                        | 3.9                      | 3.9                      | 9.7                            |
| wholesalers<br>Petroleum and petroleum products merchant                               | 37.7         | 18.5         | -                         | 11.5                                     | 3.8       | 2.3                 | -                      | -         | -                        | -                        | -                        | 6.9                            |
| wholesalers<br>Beer, wine, and distilled alcoholic beverage                            | 12.3         | 3.7          | -                         | -  | 6.8       | 6.8                 | -                      | -         | -                        | -                        | -                        | 25.3                           |
| merchant wholesalers<br>Miscellaneous nondurable goods merchant                        | 38.1         | 17.8         | 1.3                       | .9                                       | 8.1       | 5.5                 | -                      | .4        | -                        | -                        | -                        | 9.5                            |
| wholesalers  | 15.1         | 9.7          | 6.2                       | 3.3                                      | 8.7       | 4.8                 | -                      | -         | -                        | -                        | -                        | 11.4                           |
| brokers  | 29.7         | 21.4         | 2.9                       | 1.8                                      | 11.3      | 9.5                 | -                      | .7        | -                        | .7                       | .7                       | 11.9                           |
| Retail trade   | 25.7         | 16.3         | 2.6                       | 3.4                                      | 3.4       | 1.9                 | .1                     | 1.8       | 1.3                      | .6                       | .5                       | 10.0                           |
| Motor vehicle and parts dealers  | 19.8         | 12.1         | 2.4                       | 3.9                                      | 6.7       | 5.0                 | .6                     | .4        | .1                       | .3                       | .3                       | 10.0                           |
| Automobile dealers   | 17.5         | 9.9          | 2.8                       | 4.5                                      | 5.2       | 3.6                 | .1                     | .5        | .2                       | .3                       | .3                       | 11.6                           |
| New car dealers  | 17.8         | 10.2         | 2.7                       | 4.1                                      | 5.2       | 3.6                 | .1                     | .5        | .1                       | -                        | -                        | 11.5                           |
| Used car dealers   | 9.5          | 6.0          | 4.8                       | 11.9                                     | 3.6       | 3.6                 | -                      | -         | -                        | -                        | -                        | 13.1                           |
| Other motor vehicle dealers  | 22.6         | 6.0          | -                         | 2.5                                      | 8.5       | 4.0                 | -                      | -         | -                        | -                        | -                        | 12.1                           |
| Recreational vehicle dealers<br>Motorcycle, boat, and other motor vehicle              | 7.7          | -            | -                         | -  | _         | -                   | -                      | -         | -                        | -                        | -                        | 15.4                           |
| dealers  | 26.4         | 6.9          | -                         | -  | 10.7      | 5.0                 | -                      | -         | -                        | -                        | -                        | 10.7                           |
| Automotive parts, accessories, and tire stores   | 24.5         | 19.0         | 2.0                       | 3.0                                      | 9.8       | 8.7                 | 2.0                    | -         | -                        | -                        | -                        | 5.1                            |
| Automotive parts and accessories stores  | 24.2<br>25.0 | 18.3<br>20.1 | -<br>4.9                  | 3.0<br>3.0                               | 16.1      | 14.8                | -                      | _         | _                        | _                        | _                        | 4.3<br>6.3                     |
| Tire dealers<br>Furniture and home furnishings stores                                  | 25.0<br>31.6 | 17.3         | 4.9<br>2.0                | 1.0                                      | - 3.2     | _<br>2.3            | _                      |           |                          |                          | _                        | 10.2                           |
| Furniture and nome rumisnings stores   | 31.6         | 22.2         | 2.0                       | 1.0                                      | 3.2       | 2.3                 | _                      | _         |                          |                          | _                        | 9.6                            |
| Home furnishings stores  | 29.7         | 12.4         | 2.9                       | .9                                       | 3.2       | 2.0                 | _                      |           |                          |                          | _                        | 11.2                           |
| Floor covering stores  | 40.5         | 6.3          |                           |  | 6.3       | -                   | _                      |           |                          | _                        | _                        | 21.5                           |
| Other home furnishings stores  | 26.4         | 14.6         | 3.8                       | 1.1                                      | 2.3       | 1.9                 | _                      | _         | _                        | _                        | _                        | 8.0                            |
|  | 20.1         |              | 0.0                       |  | 2.0       |                     |                        |           |                          |                          |                          | 0.0                            |

|   |                            |                |       | Perce                  | ent of indu                 | stry case to  | otal involvi                 | ng —                        |  |
|---|----------------------------|----------------|-------|------------------------|-----------------------------|---|------------------------------|-----------------------------|--|
|   |                            |                |       | Contact w              | vith objects                |   |                              |                             |  |
| Industry <sup>3</sup>                         | NAICS<br>code <sup>4</sup> | Total<br>cases | Total | Struck<br>by<br>object | Struck<br>against<br>object | Caught<br>in or<br>com-<br>pressed<br>or<br>crushed | Fall<br>to<br>lower<br>level | Fall<br>on<br>same<br>level | Slips<br>or<br>trips<br>without<br>fall <sup>5</sup> |
| Appliance, television, and other electronics  |                            |                |       |                        |                             |   |                              |                             |  |
| stores  | 44311                      | _              | -     | -                      | -                           | _   | -                            | -                           | -  |
| Computer and software stores                  | 44312                      | 570            | 50.9  | 35.1                   | 5.3                         | _   | _                            | 12.3                        | -  |
| Building material and garden equipment and    |                            | 0.0            |       |                        | 0.0                         |   |                              |                             |  |
| supplies dealers                              | 444                        | 20,730         | 30.1  | 17.8                   | 6.7                         | 3.7   | 5.9                          | 9.9                         | 3.2  |
| Building material and supplies dealers        | 4441                       | 19,090         | 31.1  | 18.8                   | 6.7                         | 3.7   | 5.8                          | 9.7                         | 2.5  |
| Home centers                                  | 44411                      | 11,040         | 28.9  | 15.9                   | 6.6                         | 3.9   | 6.0                          | 8.1                         | 2.1  |
| Paint and wallpaper stores                    | 44412                      | 410            | 26.8  | -                      | 24.4                        | -   | -                            | _                           | _  |
| Hardware stores                               | 44413                      | 1.840          | 41.8  | 34.2                   | 2.7                         | 4.3   | 6.5                          | 27.2                        | _  |
| Other building material dealers               | 44419                      | 5,790          | 32.1  | 20.4                   | 6.6                         | 3.1   | 5.4                          | 7.8                         | 3.3  |
| Lawn and garden equipment and supplies stores | 4442                       | 1,640          | 19.5  | 7.3                    | 6.7                         | 4.3   | 6.7                          | 11.0                        | 11.6   |
| Outdoor power equipment stores                | 44421                      | 470            | 23.4  | _                      | _                           | _   | _                            | _                           | _  |
| Nursery and garden centers                    | 44422                      | 1.170          | 17.9  | 6.8                    | 6.0                         | 5.1   | 8.5                          | 13.7                        | 16.2   |
| Food and beverage stores                      | 445                        | 36,240         | 30.8  | 13.8                   | 9.1                         | 6.1   | 3.1                          | 16.5                        | 2.1  |
| Grocery stores                                | 4451                       | 32,290         | 31.7  | 14.6                   | 9.3                         | 5.8   | 2.9                          | 16.2                        | 2.1  |
| Supermarkets and other grocery (except        | 1101                       | 02,200         | 0     | 1                      | 0.0                         | 0.0   | 2.0                          | 10.2                        | 2  |
| convenience) stores                           | 44511                      | 31,400         | 32.5  | 14.9                   | 9.6                         | 5.9   | 2.6                          | 16.4                        | 2.2  |
| Convenience stores                            | 44512                      | 890            | 5.6   | -                      |                             |   | 12.4                         | 9.0                         |  |
| Specialty food stores                         | 4452                       | 2,620          | 18.3  | 5.7                    | 6.5                         | 5.7   | 3.1                          | 25.2                        | 2.3  |
| Meat markets                                  | 44521                      | 870            | 16.1  | _                      |                             | 8.0   | _                            | 52.9                        | -  |
| Fruit and vegetable markets                   | 44523                      | 570            | 17.5  | 7.0                    | 7.0                         | 3.5   | _                            | 8.8                         | _  |
| Other specialty food stores                   | 44529                      | 1,100          | 22.7  | 8.2                    | 7.3                         | 5.5   | 5.5                          | 13.6                        | 3.6  |
| Beer, wine, and liquor stores                 | 4453                       | 1,330          | 32.3  | 10.5                   | 8.3                         | 13.5  | 6.8                          | 6.0                         |  |
| Health and personal care stores               | 446                        | 5,490          | 20.4  | 13.3                   | 5.6                         | 1.1   | 9.8                          | 16.2                        | 1.3  |
| Health and personal care stores               | 4461                       | 5,490          | 20.4  | 13.3                   | 5.6                         | 1.1   | 9.8                          | 16.2                        | 1.3  |
| Pharmacies and drug stores                    | 44611                      | 4,210          | 22.8  | 16.6                   | 4.5                         | 1.4   | 11.4                         | 17.6                        | 1.7  |
| Cosmetics, beauty supplies, and perfume       |                            | <b>−r,∠</b> 10 | 22.0  | 10.0                   | т.5                         |   |                              | 11.0                        | 1.7  |
| stores  | 44612                      | 360            | _     | _                      | _                           | _   | _                            | _                           | _  |
| Other health and personal care stores         | 44612                      | 710            | 21.1  | _                      | 16.9                        |   | _                            | 12.7                        | _  |
| Gasoline stations                             | 447                        | 6.100          | 17.5  | 7.0                    | 8.5                         | 2.0   | 5.2                          | 29.0                        | 4.4  |
| Gasoline stations                             | 4471                       | 6,100          | 17.5  | 7.0                    | 8.5                         | 2.0   | 5.2                          | 29.0                        | 4.4  |
| Gasoline stations with convenience stores     | 44711                      | 5,330          | 17.5  | 5.6                    | 8.3                         | 2.0   | 3.9                          | 30.2                        | 4.4  |
| Other gasoline stations                       | 44719                      | 770            | 28.6  | 16.9                   | 10.4                        | -   | 14.3                         | 20.8                        | -  |
| Clothing and clothing accessories stores      | 448                        | 7.000          | 28.4  | 15.1                   | 11.7                        | 1.3   | 14.3                         | 16.6                        | 3.3  |
| Clothing stores                               |                            | 7,000<br>5,920 | 26.4  | 13.7                   | 11.0                        | 1.3   | 12.4                         | 18.4                        | 3.3  |
| Women's clothing stores                       | 44812                      | 910            | 30.8  | 26.4                   |                             | - 1.4   | 9.9                          | 29.7                        | - 5.7  |
| Children's and infants' clothing stores       | 44813                      | 490            |       | 20.4                   | _                           |   | - 5.5                        | 23.1                        | _  |
| Family clothing stores                        |                            | 2,990          | 35.8  | 16.7                   | 17.1                        | 1.7   | 6.7                          | 18.1                        | 6.0  |
| Clothing accessories stores                   | 44814                      | 2,990          |       | - 10.7                 | -                           |   | 0.7                          | -                           | 0.0  |
| Other clothing stores                         | 44815                      | 680            |       | _                      |                             | _   | _<br>51.5                    |                             |  |
|   | 44819                      |                | 40.0  |                        |                             |   |                              |                             | -  |
| Shoe stores                                   | 4482<br>4483               | 500<br>580     | 40.0  | 10.0<br>34.5           | 26.0                        | -   | 8.0<br>20.7                  | 10.0                        | -  |
| Jewelry, luggage, and leather goods stores    | 4403                       | 560            | 43.1  | 34.3                   | -                           |   | 20.7                         | -                           | -  |

|   |       |            |                           |   | Percent of | f industry ca       | ase total ir           | volving — | -                        |                          |                          |                                       |
|---|-------|------------|---------------------------|---|------------|---------------------|------------------------|-----------|--------------------------|--------------------------|--------------------------|---------------------------------------|
|   | Overe | exertion   | -                         | Expo-<br>sure                                       |            | ortation<br>dents   |                        | A         | ssaults and              | d violent ad             | cts                      | -                                     |
|   |       |            |                           | to  | acci       |                     | Fires                  |           |                          | All other                | assaults                 |                                       |
| Industry <sup>3</sup>                         | Total | In lifting | Repeti-<br>tive<br>motion | harmful<br>sub-<br>stance<br>or<br>environ-<br>ment | Total      | Highway<br>accident | and<br>explo-<br>sions | Total     | Assaults<br>by<br>person | All<br>other<br>assaults | Assaults<br>by<br>animal | All<br>other<br>events <sup>5,6</sup> |
| Appliance, television, and other electronics  |       |            |                           |   |            |                     |                        |           |                          |                          |                          |                                       |
| stores  | -     | -          | -                         | -   | -          | -                   | -                      | -         | -                        | -                        | -                        | -                                     |
| Computer and software stores                  | 19.3  | 15.8       | -                         | -   | -          | -                   | -                      | -         | -                        | -                        | -                        | 8.8                                   |
| Building material and garden equipment and    |       |            |                           |   |            |                     |                        |           |                          |                          |                          |                                       |
| supplies dealers                              | 34.4  | 22.1       | 1.1                       | 1.6   | 4.5        | 1.3                 | 0.1                    | 0.4       | 0.1                      | 0.3                      | 0.3                      | 8.7                                   |
| Building material and supplies dealers        | 35.6  | 23.3       | .8                        | 1.7   | 3.6        | 1.1                 | -                      | .5        | .2                       | .3                       | .3                       | 8.7                                   |
| Home centers                                  | 39.2  | 25.5       | .6                        | 1.7   | 3.4        | 1.1                 | -                      | .8        | .2                       | .5                       | .5                       | 9.1                                   |
| Paint and wallpaper stores                    | 43.9  | 31.7       | -                         | -   | -          | -                   | -                      | -         | -                        | -                        | -                        | -                                     |
| Hardware stores                               | 11.4  | 7.6        | -                         | -   | 2.2        | -                   | -                      | -         | -                        | -                        | -                        | 8.7                                   |
| Other building material dealers               | 35.6  | 23.5       | 1.2                       | 2.2   | 4.0        | 1.2                 | -                      | -         | -                        | -                        | -                        | 8.3                                   |
| Lawn and garden equipment and supplies stores | 22.0  | 9.1        | 4.9                       | -   | 15.2       | 3.0                 | -                      | -         | -                        | -                        | -                        | 7.9                                   |
| Outdoor power equipment stores                | 19.1  | -          | -                         | -   | -          | -                   | -                      | -         | -                        | -                        | -                        | -                                     |
| Nursery and garden centers                    | 22.2  | 11.1       | 6.0                       | -   | 4.3        | 4.3                 | -                      | -         | -                        | -                        | -                        | 9.4                                   |
| Food and beverage stores                      | 26.3  | 17.1       | 4.6                       | 3.3   | 2.3        | .9                  | -                      | 1.8       | 1.7                      | .1                       | .1                       | 9.3                                   |
| Grocery stores                                | 26.3  | 17.7       | 4.9                       | 3.2   | 1.5        | .4                  | -                      | 2.0       | 1.9                      | -                        | -                        | 9.2                                   |
| Supermarkets and other grocery (except        |       |            |                           |   |            |                     |                        |           |                          |                          |                          |                                       |
| convenience) stores                           | 26.3  | 17.6       | 5.0                       | 2.8   | 1.6        | .4                  | -                      | 1.3       | 1.2                      | -                        | -                        | 9.3                                   |
| Convenience stores                            | 25.8  | 20.2       | -                         | 16.9  | -          | -                   | -                      | 24.7      | 24.7                     | -                        | -                        | 5.6                                   |
| Specialty food stores                         | 19.5  | 11.8       | 2.3                       | 5.7   | 9.9        | 7.6                 | -                      | -         | -                        | -                        | -                        | 13.0                                  |
| Meat markets                                  | -     | -          | -                         | -   | -          | -                   | -                      | -         | -                        | -                        | -                        | 18.4                                  |
| Fruit and vegetable markets                   | 28.1  | 21.1       | 3.5                       | -   | 29.8       | 26.3                | -                      | -         | -                        | -                        | -                        | 7.0                                   |
| Other specialty food stores                   | 26.4  | 13.6       | -                         | 9.1   | 7.3        | 4.5                 | -                      | -         | -                        | -                        | -                        | 9.1                                   |
| Beer, wine, and liquor stores                 | 41.4  | 13.5       | -                         | -   | 6.0        | -                   | -                      | -         | -                        | -                        | -                        | 3.8                                   |
| Health and personal care stores               | 24.4  | 20.9       | 2.6                       | 8.7   | .9         | -                   | -                      | 4.2       | 4.0                      | -                        | -                        | 11.8                                  |
| Health and personal care stores               | 24.4  | 20.9       | 2.6                       | 8.7   | .9         | -                   | -                      | 4.2       | 4.0                      | -                        | -                        | 11.8                                  |
| Pharmacies and drug stores                    | 16.6  | 12.6       | 3.3                       | 10.5  | -          | -                   | -                      | 4.5       | 4.5                      | -                        | -                        | 10.7                                  |
| Cosmetics, beauty supplies, and perfume       |       |            |                           |   |            |                     |                        |           |                          |                          |                          |                                       |
| stores  | 69.4  | 69.4       | -                         | -   | -          | -                   | -                      | -         | -                        | -                        | -                        | -                                     |
| Other health and personal care stores         | 42.3  | 39.4       | -                         | -   | -          | -                   | -                      | -         | -                        | -                        | -                        | -                                     |
| Gasoline stations                             | 18.9  | 14.6       | 2.0                       | 5.4   | 2.1        | -                   | -                      | 5.9       | 5.9                      | -                        | -                        | 9.5                                   |
| Gasoline stations                             | 18.9  | 14.6       | 2.0                       | 5.4   | 2.1        | -                   | -                      | 5.9       | 5.9                      | -                        | -                        | 9.5                                   |
| Gasoline stations with convenience stores     | 18.8  | 15.6       | 2.1                       | 6.0   | 1.1        | -                   | -                      | 6.6       | 6.6                      | -                        | -                        | 10.5                                  |
| Other gasoline stations                       | 20.8  | 7.8        | -                         | -   | 9.1        | -                   | -                      | -         | -                        | -                        | -                        | -                                     |
| Clothing and clothing accessories stores      | 12.7  | 5.6        | 4.3                       | 2.6   | -          | -                   | -                      | 6.3       | 6.3                      | -                        | -                        | 13.0                                  |
| Clothing stores                               | 13.0  | 4.6        | 4.9                       | 1.4   | -          | -                   | -                      | 5.9       | 5.9                      | -                        | -                        | 14.5                                  |
| Women's clothing stores                       | 16.5  | -          | -                         | -   | -          | -                   | -                      | -         | -                        | -                        | -                        | 13.2                                  |
| Children's and infants' clothing stores       | -     | -          | -                         | -   | -          | -                   | -                      | -         |                          | -                        | -                        | -                                     |
| Family clothing stores                        | 12.4  | 5.4        | 6.4                       | 2.7   | -          | -                   | -                      | 1.0       | 1.0                      | -                        | -                        | 11.0                                  |
| Clothing accessories stores                   | -     | -          | -                         | -   | -          | -                   | -                      | -         | -                        | -                        | -                        | 50.0                                  |
| Other clothing stores                         | -     | -          |                           |   | -          | -                   | -                      | -         | -                        | -                        | -                        | -                                     |
| Shoe stores                                   | 14.0  | 12.0       | -                         | -   | -          | -                   | -                      | -         | -                        | -                        | -                        | -                                     |
| Jewelry, luggage, and leather goods stores    | _     | -          | -                         | 17.2  | -          | -                   | -                      | -         | -                        | -                        | -                        |                                       |

|   |                            |                |       | Perce                  | ent of indu                 | stry case to  | otal involvi                 | ng —                        |  |
|---|----------------------------|----------------|-------|------------------------|-----------------------------|---|------------------------------|-----------------------------|--|
|   |                            |                |       | Contact w              | vith objects                |   |                              |                             |  |
| Industry <sup>3</sup>                               | NAICS<br>code <sup>4</sup> | Total<br>cases | Total | Struck<br>by<br>object | Struck<br>against<br>object | Caught<br>in or<br>com-<br>pressed<br>or<br>crushed | Fall<br>to<br>lower<br>level | Fall<br>on<br>same<br>level | Slips<br>or<br>trips<br>without<br>fall <sup>5</sup> |
| Jewelry stores                                      | 44831                      | 330            | _     | _                      | _                           | _   | _                            | _                           | _  |
| Luggage and leather goods stores                    | 44832                      | 250            | 72.0  | 72.0                   | _                           | _   | _                            | _                           | _  |
| Sporting goods, hobby, book, and music stores       | 44032                      | 3,630          | 28.4  | 20.9                   | 4.4                         | 1.4   | 6.6                          | 16.3                        | 4.1  |
| Sporting goods, hobby, book, and musical instrument | 451                        | 3,030          | 20.4  | 20.9                   | 4.4                         | 1.4   | 0.0                          | 10.5                        | 4.1  |
| stores  | 4511                       | 3,050          | 28.2  | 20.3                   | 4.6                         | 1.6   | 6.9                          | 16.7                        | 4.9  |
| Sporting goods stores                               | 45111                      | 1,290          | 28.2  | 20.3                   | 3.9                         | - 1.0   | 10.1                         | 20.2                        | 2.3  |
|   | 45111                      | 1,290          | 30.1  | 22.5                   | 3.9<br>4.5                  |   | 1.5                          | 17.3                        | 5.3  |
| Hobby, toy, and game stores                         | -                          | 1              |       |                        | -                           |   | -                            | -                           | 5.3  |
| Sewing, needlework, and piece goods stores          | 45113                      | 240            | 33.3  | -                      | -                           | 16.7  | 20.8                         | -                           | _  |
| Musical instrument and supplies stores              | 45114                      | 200            | -     | -                      | -                           | -   | -                            | -                           | -  |
| Book, periodical, and music stores                  | 4512                       | 580            | 27.6  | 24.1                   | 3.4                         | -   | 5.2                          | 13.8                        | -  |
| Book stores and news dealers                        | 45121                      | 560            | 28.6  | 25.0                   | 3.6                         | <u> </u>  | 5.4                          | 12.5                        | -  |
| General merchandise stores                          | 452                        | 38,040         | 29.2  | 16.5                   | 7.2                         | 4.1   | 5.0                          | 16.6                        | 2.7  |
| Department stores                                   | 4521                       | 18,600         | 29.6  | 17.8                   | 7.0                         | 3.1   | 5.3                          | 17.8                        | 3.8  |
| Other general merchandise stores                    |                            | 19,440         | 28.7  | 15.3                   | 7.3                         | 5.1   | 4.8                          | 15.5                        | 1.6  |
| Warehouse clubs and superstores                     | 45291                      | 15,600         | 28.2  | 15.8                   | 7.2                         | 4.2   | 3.7                          | 15.3                        | 1.9  |
| All other general merchandise stores                | 45299                      | 3,840          | 31.0  | 13.0                   | 7.8                         | 8.6   | 9.4                          | 16.4                        | .8   |
| Miscellaneous store retailers                       | 453                        | 8,580          | 24.1  | 16.1                   | 3.8                         | 1.9   | 5.7                          | 15.7                        | 2.9  |
| Florists  | 4531                       | 580            | 27.6  | 24.1                   | -                           | -   | -                            | 44.8                        | 15.5   |
| Office supplies, stationery, and gift stores        | 4532                       | 2,440          | 27.0  | 20.1                   | 6.6                         | -   | 11.1                         | 11.9                        | .8   |
| Office supplies and stationery stores               | 45321                      | 1,390          | 21.6  | 16.5                   | 4.3                         | -   | 7.2                          | 16.5                        | -  |
| Gift, novelty, and souvenir stores                  | 45322                      | 1,050          | 35.2  | 25.7                   | 8.6                         | -   | 16.2                         | 5.7                         | -  |
| Other miscellaneous store retailers                 | 4539                       | 4,070          | 26.0  | 15.5                   | 2.5                         | 2.9   | 5.4                          | 15.7                        | 1.7  |
| Pet and pet supplies stores                         | 45391                      | 2,260          | 19.9  | 13.7                   | _                           | 5.3   | _                            | 23.9                        | 2.7  |
| Manufactured (mobile) home dealers                  | 45393                      | 280            | _     | _                      | _                           | _   | _                            | _                           | _  |
| All other miscellaneous store retailers             | 45399                      | 1,450          | 33.1  | 19.3                   | _                           | _   | 7.6                          | 6.9                         | _  |
| Nonstore retailers                                  | 454                        | 7,040          | 18.8  | 8.2                    | 4.4                         | 2.0   | 5.8                          | 25.6                        | 4.1  |
| Electronic shopping and mail-order houses           | 4541                       | 1,800          | 23.3  | 12.8                   | 6.1                         | 3.3   | 3.3                          | 22.8                        | 2.2  |
| Electronic shopping and mail-order houses           | 45411                      | 1,800          | 23.3  | 12.8                   | 6.1                         | 3.3   | 3.3                          | 22.8                        | 2.2  |
| Electronic shopping                                 | 454111                     | 490            | 16.3  | 8.2                    | _                           | 4.1   |                              | 30.6                        |  |
| Mail-order houses                                   | 454113                     | 1.300          | 25.4  | 13.8                   | 7.7                         | 3.1   | 4.6                          | 20.0                        | 2.3  |
| Vending machine operators                           | 4542                       | 950            | 33.7  | 21.1                   | 3.2                         | 7.4   | 6.3                          | 20.0                        | 3.2  |
| Direct selling establishments                       | 4543                       | 4,290          | 13.5  | 3.5                    | 4.0                         | - 7.4   | 7.0                          | 27.3                        | 5.4  |
| Direct sening establishments                        | 4545                       | 4,290          | 13.5  | 3.5                    | 4.0                         | -   | 7.0                          | 21.3                        | 5.4  |
| Transportation and warehousing <sup>5,10</sup>      | 48-49                      | 111,130        | 21.4  | 10.1                   | 5.5                         | 3.9   | 7.4                          | 11.8                        | 3.6  |
| Air transportation                                  | 481                        | 20,600         | 22.1  | 9.0                    | 6.7                         | 5.2   | 3.0                          | 11.1                        | 4.6  |
| Scheduled air transportation                        |                            | 20,000         | 22.1  | 9.1                    | 6.6                         | 5.3   | 2.9                          | 11.1                        | 4.7  |
| Scheduled air transportation                        | 48111                      | 20,170         | 22.2  | 9.1                    | 6.6                         | 5.3   | 2.9                          | 11.1                        | 4.7  |
|   | -                          | -, -           |       | -                      |                             |   |                              |                             |  |
| Scheduled passenger air transportation              | 481111                     | 19,880         | 22.2  | 9.0                    | 6.7                         | 5.2   | 2.9                          | 11.1                        | 4.6  |
| Scheduled freight air transportation                | 481112                     | 290            | 24.1  | 13.8                   | -                           | 6.9   | -                            | 10.3                        | -  |
| Nonscheduled air transportation                     | 4812                       | 440            | 18.2  | 6.8                    | 9.1                         |   | 4.5                          | 13.6                        | 4.5  |
| Rail transportation <sup>5,10</sup>                 | 482                        | 3,710          | 16.2  | 7.5                    | 5.1                         | 1.3   | 16.7                         | 2.2                         | 1.3  |

|  |           |            |                           |   | Percent of | f industry ca       | ase total in           | volving — |                          |                          |                          |                                       |
|--|-----------|------------|---------------------------|---|------------|---------------------|------------------------|-----------|--------------------------|--------------------------|--------------------------|---------------------------------------|
|  | Overe     | exertion   |                           | Expo-<br>sure                                       |            | oortation<br>dents  |                        | A         | ssaults and              | d violent ad             | cts                      |                                       |
|  |           |            |                           | to  |            |                     | Fires                  |           |                          | All other                | assaults                 |                                       |
| Industry <sup>3</sup>  | Total     | In lifting | Repeti-<br>tive<br>motion | harmful<br>sub-<br>stance<br>or<br>environ-<br>ment | Total      | Highway<br>accident | and<br>explo-<br>sions | Total     | Assaults<br>by<br>person | All<br>other<br>assaults | Assaults<br>by<br>animal | All<br>other<br>events <sup>5,6</sup> |
| Jewelry stores   | _         | _          | _                         | _   | _          | _                   | _                      | _         | _                        | _                        | _                        | _                                     |
| Luggage and leather goods stores   | -         | -          | _                         | -   | _          | -                   | _                      | _         | -                        | _                        | -                        | -                                     |
| Sporting goods, hobby, book, and music stores<br>Sporting goods, hobby, and musical instrument | 23.4      | 16.3       | 2.5                       | 4.4   | 1.7        | 0.8                 | -                      | 1.4       | 1.4                      | -                        | -                        | 11.6                                  |
| stores   | 22.6      | 15.4       | 2.6                       | 4.9   | 1.6        | 1.0                 | _                      | 1.3       | 1.3                      | _                        | _                        | 9.8                                   |
| Sporting goods stores  | 22.5      | 18.6       |                           | 1.6   | _          | -                   | _                      | -         | _                        | _                        | -                        | 12.4                                  |
| Hobby, toy, and game stores  | 22.6      | 12.8       | 4.5                       | 3.8   | 2.3        | _                   | _                      | 3.0       | 3.0                      | _                        | _                        | 8.3                                   |
| Sewing, needlework, and piece goods stores   | 22.0      | 12.5       | - 4.5                     | - 5.0   |            | _                   | _                      | - 5.0     |                          | _                        | _                        | - 0.5                                 |
| Musical instrument and supplies stores   | 29.2      | 12.5       | _                         |   |            | _                   | _                      | _         |                          |                          |                          |                                       |
| Book, periodical, and music stores   | _<br>27.6 | 20.7       | _                         |   | 3.4        | _                   | _                      | _         |                          | _                        | _                        | 20.7                                  |
|  | -         | -          | _                         |   |            |                     |                        |           |                          | _                        |                          | -                                     |
| Book stores and news dealers   | 28.6      | 21.4       |                           |   | -          | -                   | -                      | -         | -                        |                          | -                        | 19.6                                  |
| General merchandise stores   | 29.0      | 18.1       | 2.0                       | 3.1   | 1.2        | .3                  | 0.1                    | 1.3       | .9                       | 0.4                      | 0.3                      | 9.7                                   |
| Department stores  | 25.8      | 15.4       | 1.6                       | 3.1   | .8         | .3                  | -                      | 1.5       | 1.2                      | .3                       | .3                       | 10.6                                  |
| Other general merchandise stores   | 32.1      | 20.7       | 2.5                       | 3.1   | 1.5        | .3                  | .2                     | 1.1       | .7                       | .4                       | .4                       | 8.8                                   |
| Warehouse clubs and superstores  | 31.7      | 20.1       | 3.1                       | 3.6   | 1.8        | .3                  | -                      | 1.0       | .5                       | .5                       | .4                       | 9.7                                   |
| All other general merchandise stores   | 33.6      | 23.2       | -                         | 1.0   | -          | -                   | -                      | 1.6       | 1.6                      | -                        | -                        | 5.2                                   |
| Miscellaneous store retailers<br>Florists  | 27.0<br>_ | 16.8<br>—  | .6<br>_                   | 5.7   | 3.3        | 1.4                 | _                      | 4.1       | _                        | 4.1                      | 4.1<br>-                 | 10.7                                  |
| Office supplies, stationery, and gift stores   | 36.5      | 21.3       | -                         | 1.6   | 2.9        | 2.5                 | -                      | _         | -                        | -                        | -                        | 7.4                                   |
| Office supplies and stationery stores  | 36.7      | 25.9       | _                         | _   | 5.0        | 4.3                 | -                      | _         | _                        | _                        | -                        | 10.8                                  |
| Gift, novelty, and souvenir stores   | 36.2      | 15.2       | _                         | 2.9   | _          | _                   | _                      | _         | _                        | _                        | _                        | _                                     |
| Other miscellaneous store retailers  | 25.8      | 17.2       | _                         | 3.4   | 4.9        | 1.7                 | _                      | 8.6       | _                        | 8.6                      | 8.6                      | 8.1                                   |
| Pet and pet supplies stores  | 17.7      | 14.2       | _                         | 6.2   | 5.8        | _                   | _                      | 15.5      | _                        | 15.5                     | 15.5                     | 7.5                                   |
| Manufactured (mobile) home dealers   | _         | 14.2       | _                         |   |            | _                   | _                      | -         | _                        | -                        | -                        |                                       |
| All other miscellaneous store retailers  | 44.1      | 25.5       |                           |   |            | _                   | _                      | _         |                          |                          | _                        | 4.8                                   |
|  |           |            | 2.8                       | 3.7   |            |                     | _                      |           |                          |                          |                          | -                                     |
| Nonstore retailers   | 15.6      | 8.7        | -                         | -   | 5.1        | 3.6                 | -                      | 4.0       | -                        | 3.8                      | 3.8                      | 14.5                                  |
| Electronic shopping and mail-order houses  | 21.1      | 13.3       | 7.8                       | 2.2   | 1.7        |                     | -                      |           | -                        |                          |                          | 15.6                                  |
| Electronic shopping and mail-order houses  | 21.1      | 13.3       | 7.8                       | 2.2   | 1.7        | -                   | -                      | -         | -                        | -                        | -                        | 15.6                                  |
| Electronic shopping  | 16.3      | 12.2       | -                         | 4.1   | -          | -                   | -                      | -         | -                        | -                        | -                        | 24.5                                  |
| Mail-order houses  | 23.1      | 13.8       | 9.2                       | 1.5   | 1.5        | -                   | -                      | -         | -                        | -                        | -                        | 11.5                                  |
| Vending machine operators  | 15.8      | 8.4        | 4.2                       | 2.1   | 4.2        | 4.2                 | -                      | -         | -                        | -                        | _                        | 8.4                                   |
| Direct selling establishments  | 13.3      | 6.8        | -                         | 4.4   | 7.0        | 4.9                 | -                      | 6.3       | -                        | 6.3                      | 6.3                      | 15.4                                  |
| Transportation and warehousing <sup>5,10</sup>   | 27.1      | 13.2       | 2.2                       | 2.5   | 10.5       | 6.5                 | .2                     | .8        | .4                       | .3                       | .3                       | 12.6                                  |
| Air transportation   | 36.8      | 21.2       | 2.2                       | 3.7   | 6.0        | 2.0                 | .2                     | .1        | _                        | .1                       | .1                       | 10.1                                  |
| Scheduled air transportation   | 36.8      | 21.2       | 2.2                       | 3.7   | 5.9        | 2.0                 | .2                     | .1        |                          | .1                       | .1                       | 10.1                                  |
| Scheduled air transportation   | 36.8      | 21.2       | 2.2                       | 3.7   | 5.9        | 2.0                 | .2                     | .1        |                          | .1                       | .1                       | 10.2                                  |
| •  | 36.8      | 21.2       | 2.2                       | 3.7   | 5.9        | 2.0                 | .2                     | .1        |                          | .1                       |                          | 10.2                                  |
| Scheduled passenger air transportation   |           |            |                           | -   |            | -                   | .3                     | .2        | -                        | .1                       | .1                       |                                       |
| Scheduled freight air transportation   | 27.6      | 17.2       | -                         | -   | 10.3       | -                   | -                      | -         | -                        | -                        | -                        | 13.8                                  |
| Nonscheduled air transportation  | 36.4      | 20.5       | -                         |   | 6.8        | -                   | -                      | -         | <u> </u>                 | -                        | -                        | 9.1                                   |
| Rail transportation <sup>5,10</sup>  | 14.0      | -          | 1.3                       | 5.1   | 14.6       | 10.2                | -                      | 1.1       | 1.1                      | -                        | -                        | 27.2                                  |

|  |                            |                |       | Perce                  | ent of indu                 | stry case to  | otal involvi                 | ng —                        |  |
|--|----------------------------|----------------|-------|------------------------|-----------------------------|---|------------------------------|-----------------------------|--|
|  |                            |                |       | Contact w              | vith objects                |   |                              |                             |  |
| Industry <sup>3</sup>                        | NAICS<br>code <sup>4</sup> | Total<br>cases | Total | Struck<br>by<br>object | Struck<br>against<br>object | Caught<br>in or<br>com-<br>pressed<br>or<br>crushed | Fall<br>to<br>lower<br>level | Fall<br>on<br>same<br>level | Slips<br>or<br>trips<br>without<br>fall <sup>5</sup> |
| Water transportation                         | 483                        | 1,520          | 17.1  | 8.6                    | 2.6                         | 2.6   | 4.6                          | 11.2                        | 2.6  |
| Deep sea, coastal, and great lakes water     |                            | ,              |       |                        |                             |   | -                            |                             |  |
| transportation                               | 4831                       | 830            | 19.3  | 10.8                   | -                           | 2.4   | 3.6                          | 12.0                        | 2.4  |
| Deep sea, coastal, and great lakes water     |                            |                |       |                        |                             |   |                              |                             |  |
| transportation                               | 48311                      | 830            | 19.3  | 10.8                   | -                           | 2.4   | 3.6                          | 12.0                        | 2.4  |
| Inland water transportation                  | 4832                       | 690            | 14.5  | 5.8                    | 4.3                         | 2.9   | 5.8                          | 10.1                        | 2.9  |
| Inland water transportation                  | 48321                      | 690            | 14.5  | 5.8                    | 4.3                         | 2.9   | 5.8                          | 10.1                        | 2.9  |
| Inland water freight transportation          | 483211                     | 630            | 12.7  | 4.8                    | 3.2                         | 3.2   | 4.8                          | 7.9                         | -  |
| Inland water passenger transportation        | 483212                     | 60             | -     | -                      | -                           | -   | -                            | 50.0                        | -  |
| Truck transportation                         | 484                        | 39,150         | 21.0  | 10.2                   | 5.3                         | 3.2   | 11.3                         | 12.6                        | 4.1  |
| General freight trucking                     | 4841                       | 28,710         | 20.6  | 9.8                    | 4.9                         | 3.4   | 10.4                         | 12.1                        | 4.2  |
| General freight trucking, local              | 48411                      | 6,490          | 22.0  | 10.2                   | 6.0                         | 5.2   | 14.2                         | 7.7                         | 4.5  |
| General freight trucking, long-distance      | 48412                      | 22,230         | 20.1  | 9.7                    | 4.6                         | 2.9   | 9.3                          | 13.4                        | 4.1  |
| Specialized freight trucking                 | 4842                       | 10,440         | 22.4  | 11.3                   | 6.2                         | 2.5   | 13.7                         | 13.8                        | 3.7  |
| Used household and office goods moving       | 48421                      | 2,740          | 26.3  | 15.0                   | 8.8                         | 1.8   | 17.9                         | 8.8                         | 6.2  |
| Specialized freight (except used goods)      |                            |                |       |                        |                             |   |                              |                             |  |
| trucking, local                              | 48422                      | 4,370          | 24.7  | 11.2                   | 6.2                         | 3.4   | 10.5                         | 16.0                        | 2.7  |
| Specialized freight (except used goods)      |                            |                |       |                        |                             |   |                              |                             |  |
| trucking, long-distance                      | 48423                      | 3,320          | 16.0  | 8.1                    | 3.9                         | 2.1   | 14.2                         | 15.1                        | 3.3  |
| Transit and ground passenger transportation  | 485                        | 7,260          | 11.8  | 5.2                    | 3.2                         | 2.2   | 6.1                          | 15.0                        | 2.9  |
| Urban transit systems                        | 4851                       | 1,150          | 21.7  | 9.6                    | 6.1                         | 1.7   | 2.6                          | 7.0                         | 2.6  |
| Interurban and rural bus transportation      | 4852                       | 480            | 22.9  | 8.3                    | -                           | 10.4  | 8.3                          | 14.6                        | -  |
| Taxi and limousine service                   | 4853                       | 1,120          | 7.1   | 5.4                    | -                           | 2.7   | 5.4                          | 6.2                         | -  |
| Taxi service                                 | 48531                      | 510            | 13.7  | 9.8                    | -                           | 3.9   | -                            | 7.8                         | -  |
| Limousine service                            | 48532                      | 610            | 3.3   | -                      | -                           | -   | 9.8                          | 4.9                         | -  |
| School and employee bus transportation       | 4854                       | 2,290          | 8.3   | 3.9                    | 3.1                         | .9  | 9.2                          | 26.2                        | 3.9  |
| Charter bus industry                         | 4855                       | 460            | 19.6  | 10.9                   | 4.3                         | -   | 8.7                          | 15.2                        | 6.5  |
| Other transit and ground passenger           |                            |                |       |                        |                             |   |                              |                             |  |
| transportation                               | 4859                       | 1,770          | 7.9   | 2.3                    | 2.8                         | 1.7   | 3.4                          | 11.9                        | 2.8  |
| Pipeline transportation                      | 486                        | 210            | 38.1  | 14.3                   | 23.8                        | -   | -                            | 9.5                         | -  |
| Pipeline transportation of crude oil         | 4861                       | 70             | 85.7  | -                      | -                           | -   | -                            | -                           | -  |
| Pipeline transportation of natural gas       | 4862                       | 140            | 14.3  | 14.3                   | -                           | -   | -                            | 14.3                        | -  |
| Scenic and sightseeing transportation        | 487                        | 410            | 19.5  | 9.8                    | 4.9                         | 4.9   | 7.3                          | 14.6                        | 7.3  |
| Scenic and sightseeing transportation, land  | 4871                       | 250            | 16.0  | 8.0                    | -                           | -   | 8.0                          | 16.0                        | 12.0   |
| Scenic and sightseeing transportation, water | 4872                       | 120            | 33.3  | 16.7                   | -                           | -   | -                            | -                           | -  |
| Support activities for transportation        | 488                        | 10,510         | 27.3  | 12.5                   | 6.1                         | 5.6   | 6.4                          | 11.3                        | 3.1  |
| Support activities for air transportation    | 4881                       | 3,150          | 30.8  | 16.5                   | 6.3                         | 7.0   | 5.1                          | 10.5                        | 2.9  |
| Support activities for water transportation  | 4883                       | 3,570          | 26.3  | 12.0                   | 3.6                         | 6.4   | 5.6                          | 7.0                         | 2.5  |
| Marine cargo handling                        | 48832                      | 1,950          | 31.8  | 13.8                   | 4.1                         | 9.7   | 6.7                          | 8.2                         | 3.1  |
| Navigational services to shipping            | 48833                      | 370            | 29.7  | 10.8                   | 5.4                         | 5.4   | 8.1                          | 8.1                         | -  |
| Other support activities for water           |                            |                |       |                        |                             |   |                              |                             |  |
| transportation                               | 48839                      | 180            | 22.2  | 16.7                   | -                           | -   | -                            | -                           | -  |

|   |       |            |                           |   | Percent of | f industry ca       | ase total in           | volving — | -                        |                          |                          | 1                                     |
|---|-------|------------|---------------------------|---|------------|---------------------|------------------------|-----------|--------------------------|--------------------------|--------------------------|---------------------------------------|
|   | Overe | xertion    | -                         | Expo-<br>sure                                       |            | oortation<br>dents  |                        | A         | ssaults and              | d violent ad             | cts                      | -                                     |
|   |       |            |                           | to  | acci       |                     | Fires                  |           |                          | All other                | assaults                 |                                       |
| Industry <sup>3</sup>   | Total | In lifting | Repeti-<br>tive<br>motion | harmful<br>sub-<br>stance<br>or<br>environ-<br>ment | Total      | Highway<br>accident | and<br>explo-<br>sions | Total     | Assaults<br>by<br>person | All<br>other<br>assaults | Assaults<br>by<br>animal | All<br>other<br>events <sup>5,6</sup> |
| Water transportation  | 23.0  | 3.9        | _                         | 15.1  | 5.3        | _                   | _                      | 3.3       | _                        | 3.3                      | 3.3                      | 16.4                                  |
| Deep sea, coastal, and great lakes water  |       |            |                           | _   |            |                     |                        |           |                          |                          |                          | -                                     |
| transportation  | 27.7  | 3.6        | _                         | 9.6   | 3.6        | _                   | _                      | _         | -                        | -                        | -                        | 18.1                                  |
| Deep sea, coastal, and great lakes water  |       |            |                           |   |            |                     |                        |           |                          |                          |                          |                                       |
| transportation  | 27.7  | 3.6        | -                         | 9.6   | 3.6        | -                   | _                      | -         | -                        | -                        | -                        | 18.1                                  |
| Inland water transportation   | 17.4  | 4.3        | -                         | 21.7  | 7.2        | -                   | -                      | 5.8       | -                        | 5.8                      | 5.8                      | 14.5                                  |
| Inland water transportation   | 17.4  | 4.3        | -                         | 21.7  | 7.2        | -                   | _                      | 5.8       | -                        | 5.8                      | 5.8                      | 14.5                                  |
| Inland water freight transportation   | 19.0  | 4.8        | - 1                       | 22.2  | 7.9        | -                   | _                      | 6.3       | -                        | 6.3                      | 6.3                      | 15.9                                  |
| Inland water passenger transportation   | _     | _          | - 1                       | -   | -          | -                   | _                      | -         | -                        | -                        | -                        | -                                     |
| Truck transportation  | 24.4  | 9.3        | 1.5                       | 2.0   | 11.7       | 8.2                 | 0.2                    | .4        | 0.2                      | .2                       | .2                       | 10.8                                  |
| General freight trucking  | 25.7  | 9.4        | 1.6                       | 1.6   | 11.9       | 8.5                 | .1                     | .4        | .2                       | .2                       | .2                       | 11.4                                  |
| General freight trucking, local   | 24.5  | 12.5       | 1.1                       | 1.1   | 12.9       | 7.9                 | _                      | -         | -                        | -                        | -                        | 11.6                                  |
| General freight trucking, long-distance   | 26.1  | 8.5        | 1.8                       | 1.8   | 11.6       | 8.6                 | _                      | .4        | .2                       | .2                       | .2                       | 11.3                                  |
| Specialized freight trucking  | 20.7  | 8.8        | 1.1                       | 3.2   | 11.3       | 7.5                 | .2                     | .7        | .2                       | .4                       | .4                       | 9.2                                   |
| Used household and office goods moving<br>Specialized freight (except used goods) | 27.4  | 13.1       | -                         | 1.5   | 5.1        | 1.5                 | -                      | -         | -                        | -                        | -                        | 5.8                                   |
| trucking, local<br>Specialized freight (except used goods)                        | 17.4  | 8.7        | 1.1                       | 3.4   | 14.6       | 11.4                | -                      | -         | -                        | -                        | -                        | 8.5                                   |
| trucking, long-distance   | 19.9  | 5.4        | 1.5                       | 4.2   | 12.0       | 7.2                 | _                      | .6        | -                        | .6                       | .6                       | 13.0                                  |
| Transit and ground passenger transportation                                       | 16.0  | 8.0        | 1.0                       | 1.8   | 30.9       | 27.5                | _                      | 2.9       | 2.6                      | _                        | _                        | 11.7                                  |
| Urban transit systems   | 14.8  | 6.1        | _                         | 4.3   | 24.3       | 21.7                | _                      | 7.0       | 6.1                      | -                        | -                        | 14.8                                  |
| Interurban and rural bus transportation   | 18.8  | 6.2        | _                         | 6.2   | 12.5       | 10.4                | _                      | _         | _                        | _                        | _                        | 14.6                                  |
| Taxi and limousine service  | 18.8  | 14.3       | _                         | _   | 45.5       | 39.3                | _                      | 2.7       | 2.7                      | _                        | _                        | 12.5                                  |
| Taxi service  | 11.8  | 7.8        | _                         | _   | 54.9       | 51.0                | _                      | 3.9       | 3.9                      | _                        | _                        | 5.9                                   |
| Limousine service   | 24.6  | 19.7       | _                         | _   | 37.7       | 29.5                | _                      | _         | _                        | _                        | _                        | 19.7                                  |
| School and employee bus transportation  | 8.7   | 3.1        | _                         | .9  | 30.1       | 26.6                | _                      | 1.7       | 1.7                      | _                        | _                        | 10.5                                  |
| Charter bus industry  | 17.4  | 13.0       | _                         |   | 15.2       | 13.0                | _                      | _         |                          | _                        | _                        | 10.9                                  |
| Other transit and ground passenger  |       |            |                           |   |            |                     |                        |           |                          |                          |                          |                                       |
| transportation  | 23.7  | 10.7       | 1.7                       | _   | 35.6       | 33.3                | _                      | 2.3       | 1.7                      | _                        | _                        | 10.7                                  |
| Pipeline transportation   | 38.1  | _          | _                         | _   | _          | -                   | _                      |           | _                        | _                        | _                        | _                                     |
| Pipeline transportation of crude oil  | _     | _          | _                         | _   | _          | _                   | _                      | _         | _                        | _                        | _                        | _                                     |
| Pipeline transportation of natural gas  | 50.0  | _          | _                         | _   | _          | _                   | _                      | _         | _                        | _                        | _                        | _                                     |
| Scenic and sightseeing transportation   | 17.1  | 12.2       | _                         | 4.9   | 17.1       | _                   | _                      | _         | _                        | _                        | _                        | 12.2                                  |
| Scenic and sightseeing transportation, land                                       | 20.0  | 12.0       | _                         | _   | 16.0       | _                   | _                      | _         | _                        | _                        | _                        | 12.0                                  |
| Scenic and sightseeing transportation, water                                      | 16.7  | -          | _                         | _   | 16.7       | _                   | _                      | _         | _                        | _                        | _                        | 16.7                                  |
| Support activities for transportation   | 18.6  | 8.9        | 1.6                       | 3.8   | 9.8        | 4.3                 | .9                     | 1.0       | .9                       | _                        | _                        | 16.4                                  |
| Support activities for air transportation   | 25.4  | 14.3       | 1.3                       | 2.9   | 7.0        | 1.9                 | 0                      |           |                          | _                        | _                        | 13.7                                  |
| Support activities for water transportation                                       | 12.6  | 6.4        | 1.4                       | 3.4   | 9.8        | 5.0                 | 2.0                    | 2.2       | 2.0                      | _                        | _                        | 27.5                                  |
| Marine cargo handling   | 14.9  | 8.7        | 1.0                       | 5.6   | 14.9       | 9.2                 | - 2.0                  | 3.6       | 3.6                      | _                        | _                        | 10.3                                  |
| Navigational services to shipping<br>Other support activities for water           | 24.3  | 10.8       | -                         | -   | 10.8       | -                   | _                      | -         | -                        | _                        | _                        | 8.1                                   |
| transportation  | -     | -          | -                         | -   | -          | -                   | 33.3                   | -         | -                        | -                        | -                        | 22.2                                  |

|  |                            |                |       | Perce                  | ent of indu                 | stry case to  | otal involvi                 | ng —                        |  |
|--|----------------------------|----------------|-------|------------------------|-----------------------------|---|------------------------------|-----------------------------|--|
|  |                            |                |       | Contact w              | vith objects                | 5   |                              |                             |  |
| Industry <sup>3</sup>                            | NAICS<br>code <sup>4</sup> | Total<br>cases | Total | Struck<br>by<br>object | Struck<br>against<br>object | Caught<br>in or<br>com-<br>pressed<br>or<br>crushed | Fall<br>to<br>lower<br>level | Fall<br>on<br>same<br>level | Slips<br>or<br>trips<br>without<br>fall <sup>5</sup> |
| Support activities for road transportation       | 4884                       | 1.440          | 20.8  | 9.7                    | 7.6                         | 3.5   | 1.4                          | 27.1                        | 2.1  |
| Motor vehicle towing                             | 48841                      | 860            | 18.6  | 9.3                    | -                           |   |                              | 37.2                        |  |
| Other support activities for road transportation | 48849                      | 570            | 24.6  | 10.5                   | 12.3                        | _   | 3.5                          | 12.3                        | _  |
| Freight transportation arrangement               | 4885                       | 1.410          | 24.0  | 9.9                    | 8.5                         | 2.1   | 13.5                         | 10.6                        | 6.4  |
|  |                            | , -            | -     |                        |                             |   |                              |                             | 0.4  |
| Other support activities for transportation      | 4889                       | 370            | 27.0  | 8.1                    | 13.5                        | 5.4   | 5.4                          | 10.8                        |  |
| Couriers and messengers                          | 492                        | 14,650         | 20.7  | 10.3                   | 5.2                         | 4.0   | 5.3                          | 11.4                        | 3.2  |
| Couriers   | 4921                       | 13,940         | 21.2  | 10.5                   | 5.1                         | 4.2   | 5.1                          | 11.3                        | 3.2  |
| Local messengers and local delivery              |                            | 720            | 12.5  | 5.6                    | 6.9                         | -   | 8.3                          | 13.9                        | 4.2  |
| Warehousing and storage                          |                            | 13,120         | 24.8  | 12.4                   | 5.8                         | 4.7   | 4.0                          | 12.0                        | 2.5  |
| Warehousing and storage                          | 4931                       | 13,120         | 24.8  | 12.4                   | 5.8                         | 4.7   | 4.0                          | 12.0                        | 2.5  |
| General warehousing and storage                  | 49311                      | 10,880         | 24.4  | 12.0                   | 6.2                         | 4.4   | 3.2                          | 11.4                        | 2.5  |
| Refrigerated warehousing and storage             | 49312                      | 13,120         | 24.8  | 12.4                   | 5.8                         | 4.7   | 4.0                          | 12.0                        | 2.5  |
| Farm product warehousing and storage             | 49313                      | 170            | 23.5  | 17.6                   | _                           | -   | _                            | 17.6                        | -  |
| Other warehousing and storage                    | 49319                      | 720            | 33.3  | 20.8                   | 5.6                         | 4.2   | 6.9                          | 8.3                         | 2.8  |
| Utilities  | 22                         | 6,620          | 22.5  | 10.3                   | 6.3                         | 2.9   | 7.3                          | 12.1                        | 4.8  |
| Utilities  | 221                        | 6,620          | 22.5  | 10.3                   | 6.3                         | 2.9   | 7.3                          | 12.1                        | 4.8  |
| Electric power generation, transmission and      |                            |                |       |                        |                             |   |                              |                             |  |
| distribution                                     | 2211                       | 4,050          | 22.7  | 11.1                   | 5.9                         | 3.0   | 8.4                          | 11.6                        | 4.0  |
| Electric power generation                        | 22111                      | 1,840          | 20.7  | 7.6                    | 7.1                         | 3.3   | 8.2                          | 11.4                        | 3.8  |
| Hydroelectric power generation                   | 221111                     | 170            | 11.8  | 11.8                   | _                           | _   | _                            | 17.6                        | _  |
| Fossil fuel electric power generation            |                            | 1,390          | 20.1  | 5.8                    | 7.9                         | 2.9   | 7.9                          | 12.2                        | 4.3  |
| Nuclear electric power generation                | 221112                     | 130            | 30.8  | 15.4                   | 15.4                        |   | 15.4                         | -                           | 4.0  |
| Other electric power generation                  | 221119                     | 150            | 26.7  | 13.3                   |                             | _   | -                            | _                           | _  |
| Electric power transmission, control, and        | 221113                     | 150            | 20.7  | 15.5                   | _                           |   | _                            | _                           | _  |
| distribution                                     | 22112                      | 2,220          | 23.9  | 14.0                   | 4.5                         | 2.7   | 9.6                          | 117                         | 4.4  |
|  |                            | '              |       | -                      | -                           |   | 8.6                          | 11.7                        | 4.1  |
| Natural gas distribution                         |                            | 1,600          | 20.0  | 6.2                    | 8.8                         | 2.5   | 3.1                          | 12.5                        | 7.5  |
| Water, sewage and other systems                  |                            | 960            | 26.0  | 12.5                   | 5.2                         | 3.1   | 10.4                         | 12.5                        | 4.2  |
| Water supply and irrigation systems              | 22131                      | 760            | 28.9  | 14.5                   | 5.3                         | 3.9   | 11.8                         | 13.2                        | 5.3  |
| Sewage treatment facilities                      | 22132                      | 180            | 16.7  | -                      | -                           | -   | -                            | 11.1                        | -  |
| Steam and air-conditioning supply                | 22133                      | 20             | -     | -                      | -                           | -   | -                            | -                           | -  |
| Information                                      |                            | 18,560         | 19.3  | 8.1                    | 6.2                         | 3.5   | 9.1                          | 17.2                        | 4.4  |
| Information                                      | 51                         | 18,560         | 19.3  | 8.1                    | 6.2                         | 3.5   | 9.1                          | 17.2                        | 4.4  |
| Publishing industries (except Internet)          | 511                        | 5,010          | 23.6  | 7.6                    | 6.0                         | 8.4   | 6.6                          | 15.8                        | 3.6  |
| Newspaper, periodical, book, and directory       |                            |                |       |                        |                             |   |                              |                             |  |
| publishers                                       | 5111                       | 4,770          | 24.5  | 7.8                    | 6.3                         | 8.8   | 5.7                          | 16.1                        | 3.8  |
| Newspaper publishers                             |                            | 3,820          | 26.2  | 8.6                    | 6.3                         | 9.9   | 5.5                          | 15.4                        | 4.2  |
| Periodical publishers                            |                            | 350            | 14.3  | 5.7                    | 5.7                         |   | 5.7                          | 31.4                        |  |
|  | 01112                      | 550            | 1.5   | 5.7                    | 0.7                         |   | 5.7                          | 01.4                        | 1  |

|   |  |   |   |   | Percent of   | f industry ca  | ase total in              | volving —  | -  |  |  |  |
|---|--|---|---|---|--|--|---------------------------|--|--|--|--|--|
|   | Overe  | exertion  |   | Expo-   |  | ortation   |                           | A  | ssaults and  | d violent ad   | cts  |  |
|   |  |   |   | sure<br>to  | acci   | dents  | Fires                     |  |  | All other  | assaults   |  |
| Industry <sup>3</sup>   | Total  | In lifting  | Repeti-<br>tive<br>motion   | harmful<br>sub-<br>stance<br>or<br>environ-<br>ment                     | Total  | Highway<br>accident  | and<br>explo-<br>sions    | Total  | Assaults<br>by<br>person   | All<br>other<br>assaults                                     | Assaults<br>by<br>animal                               | All<br>other<br>events <sup>5,6</sup>  |
| Support activities for road transportation<br>Motor vehicle towing<br>Other support activities for road transportation<br>Freight transportation arrangement<br>Other support activities for transportation<br>Couriers and messengers<br>Couriers<br>Local messengers and local delivery<br>Warehousing and storage<br>General warehousing and storage<br>Refrigerated warehousing and storage<br>Farm product warehousing and storage | 20.1<br>19.8<br>21.1<br>20.6<br>27.0<br>32.8<br>33.1<br>26.4<br>30.9<br>30.9<br>32.6<br>30.9<br>17.6 | 5.6<br>-<br>12.3<br>9.2<br>13.5<br>18.5<br>18.7<br>15.3<br>18.1<br>18.8<br>18.1<br>11.8 | -<br>-<br>2.1<br>8.1<br>2.7<br>2.8<br>-<br>5.0<br>5.0<br>5.3<br>5.3<br>5.0<br>- | -<br>-<br>4.3<br>-<br>1.0<br>.9<br>-<br>1.2<br>1.2<br>1.2<br>1.2<br>1.2 | 18.8<br>18.6<br>21.1<br>6.4<br>13.5<br>6.3<br>5.2<br>26.4<br>7.3<br>6.3<br>7.3<br>6.3<br>7.3<br>11.8 | 10.4<br>11.6<br>8.8<br>2.8<br>5.4<br>4.3<br>3.4<br>20.8<br>1.1<br>1.1<br>.9<br>1.1 |                           | -<br>-<br>-<br>1.4<br>1.4<br>-<br>.4<br>.4<br>.4<br>.4 | -<br>-<br>-<br>-<br>0.3<br>.2<br>-<br>.2<br>.2<br>.2<br>.2<br>.2<br>.2<br>.2 | -<br>-<br>-<br>1.0<br>1.1<br>-<br>.2<br>.2<br>.2<br>.2<br>.2 | -<br>-<br>-<br>1.0<br>1.1<br>-<br>.2<br>.2<br>.2<br>.2 | 6.9<br>-<br>14.0<br>7.8<br>5.4<br>15.2<br>15.9<br>4.2<br>11.7<br>11.7<br>12.8<br>11.7<br>- |
| Other warehousing and storage   | 23.6   | 12.5  | 4.2   | -   | 8.3  | 2.8  | -                         | -  | -  | -  | -  | 9.7  |
| Utilities   | 18.9   | 6.0   | 3.3   | 4.7   | 5.1  | 4.1  | 1.7                       | 2.1  | .3   | 1.8  | 1.8  | 17.7   |
| Utilities<br>Electric power generation, transmission and<br>distribution<br>Electric power generation<br>Hydroelectric power generation   | 18.9<br>20.2<br>17.9<br>23.5   | 6.0<br>6.7<br>6.5   | 3.3<br>3.7<br>4.3   | 4.7<br>5.4<br>8.2   | 5.1<br>4.7<br>4.9<br>17.6  | 4.1<br>3.5<br>3.8<br>17.6  | 1.7<br>.5<br>–            | 2.1<br>1.2<br>1.1                                      | .3<br>_<br>_<br>_  | 1.8<br>1.0<br>-<br>-   | 1.8<br>1.0<br>-<br>-                                   | 17.7<br>17.8<br>19.0<br>23.5   |
| Fossil fuel electric power generation<br>Nuclear electric power generation<br>Other electric power generation<br>Electric power transmission, control, and  | 18.0<br>_<br>13.3  | 5.8<br>-<br>-   | 5.8<br>-<br>-   | 7.2<br>-<br>13.3  | 3.6<br>-<br>-  | 2.9<br>-<br>-  | -<br>-<br>-               | 1.4<br>-<br>-  | -<br>-<br>-  |  | _<br>_<br>_  | 18.7<br>23.1<br>20.0   |
| Alternative power framework   Natural gas distribution   Water, sewage and other systems   Water supply and irrigation systems   Sewage treatment facilities   Steam and air-conditioning supply  | 22.1<br>18.8<br>12.5<br>10.5<br>22.2<br>–  | 7.2<br>3.8<br>7.3<br>6.6<br>11.1<br>-   | 3.2<br>2.5<br>3.1<br>3.9<br>–   | 3.2<br>3.1<br>5.2<br>5.3<br>–   | 4.5<br>5.0<br>8.3<br>5.3<br>16.7<br>–  | 3.2<br>3.8<br>6.2<br>3.9<br>16.7<br>-  | -<br>4.4<br>2.1<br>-<br>- | 1.4<br>4.4<br>-<br>-<br>-                              | -<br>-<br>-<br>-<br>-  | 1.4<br>3.8<br>-<br>-<br>-<br>-                               | 1.4<br>3.8<br>-<br>-<br>-<br>-                         | 16.2<br>19.4<br>15.6<br>14.5<br>22.2<br>-  |
| Information   | 16.7   | 8.4   | 5.2   | 6.2   | 6.8  | 5.2  | -                         | 1.2  | .6   | .6   | .6   | 13.8   |
| Information   | 16.7   | 8.4   | 5.2   | 6.2   | 6.8  | 5.2  | -                         | 1.2  | .6   | .6   | .6   | 13.8   |
| Publishing industries (except Internet)<br>Newspaper, periodical, book, and directory   | 22.4   | 13.4  | 4.8   | 4.2   | 7.2  | 5.6  | -                         | .6   | .4   | -  | _  | 11.4   |
| publishers<br>Newspaper publishers<br>Periodical publishers   | 21.2<br>18.8<br>20.0   | 11.7<br>9.9<br>17.1   | 4.8<br>3.9<br>8.6   | 4.2<br>4.7<br>-   | 7.3<br>8.4<br>–  | 5.7<br>6.3<br>-  |                           | .6<br>.5<br>–  | .4<br>.5<br>–  | -<br>-<br>-  | _<br>_<br>_  | 11.7<br>11.8<br>11.4   |

|   |                            |                |       | Perce                  | ent of indu                 | stry case to  | otal involvi                 | ng —                        |  |
|---|----------------------------|----------------|-------|------------------------|-----------------------------|---|------------------------------|-----------------------------|--|
|   |                            |                |       | Contact w              | ith objects                 |   |                              |                             |  |
| Industry <sup>3</sup>   | NAICS<br>code <sup>4</sup> | Total<br>cases | Total | Struck<br>by<br>object | Struck<br>against<br>object | Caught<br>in or<br>com-<br>pressed<br>or<br>crushed | Fall<br>to<br>lower<br>level | Fall<br>on<br>same<br>level | Slips<br>or<br>trips<br>without<br>fall <sup>5</sup> |
| Book publishers   | 51113                      | 190            | 21.1  | _                      | 10.5                        | _   | 10.5                         | 10.5                        | _  |
| Directory and mailing list publishers   | 51114                      | 250            | 24.0  | _                      | 12.0                        | 8.0   | -                            | 12.0                        | _  |
| Other publishers  | 51119                      | 150            | 13.3  | _                      | -                           | - 0.0   |                              | - 12.0                      |  |
| Software publishers   | 5112                       | 240            | -     | _                      | _                           |   | 25.0                         | 8.3                         | _  |
| Motion picture and sound recording industries                                     | 512                        | 1,530          | 28.8  | 20.3                   | 5.9                         |   | 11.1                         | 15.7                        | 4.6  |
| Motion picture and sound recording industries                                     | 5121                       | 1,500          | 20.0  | 20.3                   | 6.0                         | _   | 10.7                         | 15.7                        | 4.0  |
| Motion picture and video industries<br>Motion picture and video exhibition        | 5121                       | 560            | 29.3  | 14.3                   | 7.1                         |   | 17.9                         | 25.0                        | 4.7<br>7.1   |
| Postproduction services and other motion  | 51213                      | 560            | 25.0  | 14.3                   | 7.1                         | -   | 17.9                         | 25.0                        | 7.1  |
| picture and video industries  | 51219                      | 40             |       |                        |                             | _   |                              |                             |  |
| Sound recording industries  | 51219                      | 40             | _     | _                      | _                           |   | _                            | _                           | _  |
|   | 5122                       | 2.190          | 11.4  | 5.5                    | 4.6                         |   | 8.2                          | 17.8                        | 4.6  |
| Broadcasting (except Internet)<br>Radio and television broadcasting               | 5151                       | 2,190          | 13.4  | 5.5<br>7.6             | 4.0                         |   | 4.2                          | 17.0                        | 4.0<br>5.9   |
| Radio broadcasting  | 51511                      | 230            | 17.4  | 13.0                   | 4.2                         |   | 4.2                          | 39.1                        | 8.7  |
| 0   | 51511                      | 230<br>950     | 17.4  | 6.3                    | 5.3                         | _   | 5.3                          | 13.7                        | 4.2  |
| Television broadcasting   |                            |                | -     |                        |                             |   |                              | -                           | 4.2<br>3.0   |
| Cable and other subscription programming  | 5152                       | 1,000          | 9.0   | 3.0                    | 5.0                         |   | 12.0                         | 18.0                        |  |
| Telecommunications  | 517                        | 8,600          | 17.3  | 6.5                    | 6.9                         | 2.1   | 10.5                         | 17.1                        | 4.8  |
| Wired telecommunications carriers<br>Wireless telecommunications carriers (except | 5171                       | 4,960          | 16.7  | 6.0                    | 6.0                         | 2.2   | 9.3                          | 17.3                        | 5.8  |
| satellite)  | 5172                       | 530            | 32.1  | 3.8                    | 28.3                        | _   | 5.7                          | 20.8                        | 3.8  |
| Telecommunications resellers  | 5172                       | 630            | 12.7  | 3.2                    | 7.9                         | _   | 7.9                          | 20.6                        | 5.0  |
| Satellite telecommunications  | 5173                       | 90             | 12.7  | 5.2                    | 7.5                         |   | 7.9                          | 44.4                        | _  |
|   | 5174                       |                | 16.4  | 9.2                    | 3.4                         | 2.9   | 14.7                         | 13.9                        | 4.2  |
| Cable and other program distribution  | 5175                       | 2,380          | 10.4  | 9.2                    | 3.4                         | 2.9   | 14.7                         | 13.9                        | 4.2  |
| Internet service providers, web search portals, and                               | F10                        | 990            | 16.2  | 0.1                    | 6.1                         | 2.0   | 6.1                          | 29.3                        | 5.1  |
| data processing services<br>Internet service providers and web search             | 518                        | 990            | 10.2  | 8.1                    | 6.1                         | 2.0   | 6.1                          |                             | 5.1  |
| portals   | 5181                       | 100            | -     | -                      | -                           | -   | -                            | 50.0                        | -  |
| Data processing, hosting, and related services                                    | 5182                       | 890            | 18.0  | 9.0                    | 6.7                         | 2.2   | 6.7                          | 25.8                        | 4.5  |
| Other information services  | 519                        | 190            | 36.8  | 31.6                   | -                           | -   | 10.5                         | 10.5                        | -  |
| Other information services  | 5191                       | 190            | 36.8  | 31.6                   | -                           | -   | 10.5                         | 10.5                        | -  |
| Libraries and archives  | 51912                      | 130            | 46.2  | 46.2                   | -                           | -   | 15.4                         | -                           | -  |
| Financial activities  |                            | 35,450         | 21.9  | 13.1                   | 5.6                         | 2.0   | 9.3                          | 19.5                        | 2.4  |
| Finance and insurance   | 52                         | 16,130         | 18.4  | 11.2                   | 6.2                         | .6  | 9.0                          | 23.7                        | 3.3  |
| Monetary authorities - central bank   | 521                        | 60             | _     | _                      | _                           |   | _                            | _                           | -  |
| Credit intermediation and related activities                                      | 522                        | 8,610          | 20.0  | 10.8                   | 8.6                         | .2  | 7.8                          | 25.1                        | 2.3  |
| Depository credit intermediation  | 5221                       | 6,550          | 17.7  | 6.4                    | 10.7                        |   | 8.1                          | 24.3                        | 2.3  |
| Commercial banking  | 52211                      | 4,630          | 19.2  | 6.5                    | 11.9                        | _   | 7.3                          | 24.6                        | 1.9  |
| Savings institutions  | 52212                      | 990            | -     | -                      | -                           | _   | 14.1                         | 15.2                        | -  |
| Credit unions   | 52213                      | 920            | 27.2  | 12.0                   | 14.1                        | _   | _                            | 31.5                        | 5.4  |
| Nondepository credit intermediation   | 5222                       | 1,470          | 35.4  | 33.3                   | 1.4                         | _   | 8.2                          | 19.0                        | 2.0  |
|   |                            | .,             |       |                        |                             |   |                              |                             |  |

|   |            |            |                           |   | Percent o | f industry ca       | ase total in           | volving — | -                        |                          |                          |                                       |
|---|------------|------------|---------------------------|---|-----------|---------------------|------------------------|-----------|--------------------------|--------------------------|--------------------------|---------------------------------------|
|   | Overe      | exertion   |                           | Expo-   |           | oortation<br>dents  |                        | A         | ssaults and              | d violent ad             | cts                      |                                       |
|   |            |            |                           | sure<br>to  | acci      |                     | Fires                  |           |                          | All other                | assaults                 |                                       |
| Industry <sup>3</sup>   | Total      | In lifting | Repeti-<br>tive<br>motion | harmful<br>sub-<br>stance<br>or<br>environ-<br>ment | Total     | Highway<br>accident | and<br>explo-<br>sions | Total     | Assaults<br>by<br>person | All<br>other<br>assaults | Assaults<br>by<br>animal | All<br>other<br>events <sup>5,6</sup> |
| Book publishers   | 31.6       | 21.1       | _                         | _   | _         | _                   | _                      | _         | _                        | _                        | _                        | 10.5                                  |
| Directory and mailing list publishers   | 28.0       | 16.0       | _                         | _   | 8.0       | 8.0                 | _                      | _         | _                        | _                        | _                        | 12.0                                  |
| Other publishers  | 53.3       | 26.7       | 26.7                      | _   |           | 0.0                 | _                      |           |                          |                          | _                        | 12.0                                  |
|   | 45.8       |            | -                         | -   |           |                     | _                      |           | -                        |                          |                          | 8.3                                   |
| Software publishers   |            | 45.8       | -                         | -   |           | -                   | -                      | -         | -                        | -                        | -                        |                                       |
| Motion picture and sound recording industries                                     | 17.0       | 11.1       | 1.3                       | 6.5   | 3.3       | -                   | -                      | 1.3       | -                        | -                        | -                        | 11.8                                  |
| Motion picture and video industries   | 16.0       | 11.3       | -                         | 6.7   | 3.3       | -                   | -                      | 1.3       | -                        | -                        | -                        | 12.0                                  |
| Motion picture and video exhibition   | 7.1        | -          | -                         | 10.7  | -         | -                   | -                      | -         | -                        | -                        | -                        | 5.4                                   |
| Postproduction services and other motion  |            |            |                           |   |           |                     |                        |           |                          |                          |                          |                                       |
| picture and video industries  | _          | -          | _                         | -   | _         | _                   | _                      | _         | -                        | -                        | -                        | _                                     |
| Sound recording industries  | 75.0       | _          | _                         | _   | _         | _                   | _                      | _         | _                        | _                        | _                        | _                                     |
| Broadcasting (except Internet)  | 16.0       | 6.4        | 6.4                       | 10.0  | 8.7       | 7.3                 | _                      | 1.8       | 0.9                      | 0.9                      | _                        | 15.1                                  |
| Radio and television broadcasting   | 16.0       | 5.9        | 7.6                       | 16.0  | 8.4       | 7.6                 | _                      | 1.7       | 0.5                      | 0.5                      |                          | 7.6                                   |
|   |            |            |                           |   |           |                     |                        |           |                          |                          | _                        | 7.0                                   |
| Radio broadcasting  | 13.0       | 13.0       | -                         | 8.7   | 8.7       | 8.7                 | -                      | -         |                          |                          |                          | -                                     |
| Television broadcasting   | 15.8       | 4.2        | 9.5                       | 17.9  | 8.4       | 7.4                 | -                      | 2.1       | -                        | -                        | -                        | 9.5                                   |
| Cable and other subscription programming  | 16.0       | 7.0        | 5.0                       | 3.0   | 8.0       | 6.0                 | -                      | 2.0       | -                        | -                        | -                        | 23.0                                  |
| Telecommunications  | 13.7       | 5.2        | 4.7                       | 7.1   | 7.4       | 5.8                 | -                      | 1.5       | .7                       | .8                       | 0.8                      | 16.0                                  |
| Wired telecommunications carriers<br>Wireless telecommunications carriers (except | 16.3       | 6.9        | 2.8                       | 6.0   | 7.3       | 5.8                 | -                      | 1.2       | .6                       | .6                       | .6                       | 17.1                                  |
| satellite)  | 3.8        | 3.8        | 11.3                      | 7.5   | 5.7       | 5.7                 | -                      | -         | -                        | -                        | -                        | 9.4                                   |
| Telecommunications resellers  | 9.5        | 3.2        | 22.2                      | 3.2   | 3.2       | 3.2                 | _                      | _         | -                        | -                        | _                        | 17.5                                  |
| Satellite telecommunications  | _          | _          | _                         | _   | _         | _                   | _                      | _         |                          | _                        | _                        | _                                     |
| Cable and other program distribution  | 11.8       | 2.9        | 2.5                       | 9.7   | 9.7       | 6.7                 | _                      | 2.5       | .8                       | 1.3                      | 1.3                      | 14.3                                  |
| Internet service providers, web search portals, and data processing services      | 15.2       | 11.1       | 13.1                      |   | 2.0       | _                   | _                      | 2.0       | 2.0                      | _                        | -                        | 10.1                                  |
| Internet service providers and web search   |            |            | 13.1                      | _   | 2.0       |                     | -                      | 2.0       | 2.0                      |                          |                          | 10.1                                  |
| portals   | 30.0       | 30.0       |                           | -   | -         | -                   | -                      | -         |                          | -                        | -                        | -                                     |
| Data processing, hosting, and related services                                    | 13.5       | 7.9        | 14.6                      | -   | 2.2       | -                   | -                      | 2.2       | 2.2                      | -                        | -                        | 11.2                                  |
| Other information services  | 15.8       | 10.5       | 15.8                      | -   | -         | -                   | -                      | -         | -                        | -                        | -                        | -                                     |
| Other information services  | 15.8       | 10.5       | 15.8                      | -   | -         | -                   | -                      | -         |                          | -                        | -                        | -                                     |
| Libraries and archives  | 15.4       | -          | 15.4                      | -   | -         | -                   | -                      | -         | -                        | -                        | -                        | -                                     |
| Financial activities  | 16.1       | 8.8        | 6.7                       | 4.4   | 5.4       | 4.7                 | 0.1                    | 2.3       | 1.7                      | .6                       | .6                       | 12.0                                  |
| Finance and insurance   | 8.7        | 5.8        | 11.0                      | 3.8   | 7.5       | 7.2                 | -                      | 3.4       | 3.2                      | .2                       | .2                       | 11.2                                  |
| Monetary authorities - central bank   | _          | _          | _                         | _   | _         | _                   | _                      | _         | _                        | _                        | _                        | 33.3                                  |
| Credit intermediation and related activities                                      | 9.9        | 7.1        | 7.5                       | 3.9   | 4.3       | 4.1                 | _                      | 5.8       | 5.8                      | _                        | _                        | 13.2                                  |
| Depository credit intermediation  | 9.9<br>8.7 | 7.1        |                           | 4.9   |           | 4.1                 | _                      | 1         |                          | _                        | _                        | 14.8                                  |
|   | -          |            | 6.7                       | -   | 4.9       |                     |                        | 7.6       | 7.6                      |                          |                          | -                                     |
| Commercial banking  | 9.9        | 8.9        | 6.0                       | 4.8   | 6.5       | 6.3                 | -                      | 10.8      | 10.8                     | -                        | -                        | 8.4                                   |
| Savings institutions  | -          |            | -                         | -   | -         | -                   | -                      | -         | -                        | -                        | -                        | 54.5                                  |
| Credit unions   | 4.3        | 4.3        | 10.9                      | 9.8   | -         | -                   | -                      | -         | -                        | -                        | -                        | 5.4                                   |
| Nondepository credit intermediation   | 15.0       | 5.4        | 8.8                       | 1.4   | 1.4       | 1.4                 | _                      | _         |                          | - 1                      | -                        | 9.5                                   |

|  |                            |                |        | Perce                  | ent of indu                 | stry case to  | otal involvi                 | ng —                        |  |
|--|----------------------------|----------------|--------|------------------------|-----------------------------|---|------------------------------|-----------------------------|--|
|  |                            |                |        | Contact w              | vith objects                |   |                              |                             |  |
| Industry <sup>3</sup>                          | NAICS<br>code <sup>4</sup> | Total<br>cases | Total  | Struck<br>by<br>object | Struck<br>against<br>object | Caught<br>in or<br>com-<br>pressed<br>or<br>crushed | Fall<br>to<br>lower<br>level | Fall<br>on<br>same<br>level | Slips<br>or<br>trips<br>without<br>fall <sup>5</sup> |
| Credit card issuing                            | 52221                      | 210            | 9.5    | _                      | _                           | _   | 9.5                          | 28.6                        | _  |
| Sales financing                                | 52222                      | 110            | 18.2   | _                      | _                           | _   |                              | 27.3                        | _  |
| Other nondepository credit intermediation      | 52229                      | 1,150          | 41.7   | 40.9                   | _                           | _   | 8.7                          | 16.5                        | _  |
| Activities related to credit intermediation    | 5223                       | 580            | 6.9    |                        | 3.4                         | _   |                              | 51.7                        | _  |
| Financial transactions processing, reserve,    | 0220                       | 000            | 0.5    |                        | 0.7                         |   |                              | 01.7                        |  |
| and clearinghouse activities                   | 52232                      | 250            | 12.0   | 8.0                    | _                           | _   | _                            | 24.0                        | _  |
| Securities, commodity contracts, and other     | 02202                      | 200            | 12.0   | 0.0                    |                             |   |                              | 27.0                        |  |
| financial investments and related activities   | 523                        | 440            | 29.5   | 25.0                   | 4.5                         | _   | 15.9                         | 29.5                        | _  |
| Securities and commodity contracts             | 525                        | 0++            | 20.0   | 20.0                   | 4.5                         |   | 10.0                         | 23.5                        |  |
| intermediation and brokerage                   | 5231                       | 160            | _      | _                      | _                           | _   | 12.5                         | 56.2                        | _  |
| Investment banking and securities dealing      | 52311                      | 70             | _      | _                      | _                           | _   |                              | 57.1                        | _  |
| Securities brokerage                           | 52312                      | 90             |        |                        | _                           |   |                              | 55.6                        |  |
| Portfolio management                           | 52392                      | 100            | 40.0   | 30.0                   | _                           |   | 30.0                         |                             |  |
| Investment advice                              | 52393                      | 20             | -40.0  | 50.0                   | _                           |   |                              | _                           |  |
| All other financial investment activities      | 52399                      | 120            | 58.3   | 58.3                   |                             |   |                              |                             |  |
| Insurance carriers and related activities      | 52399                      | 6,700          | 15.4   | 10.6                   | 3.6                         | 0.7   | 10.4                         | 21.6                        | 4.9  |
| Insurance carriers                             | 524                        | 4,180          | 17.0   | 10.8                   | 5.3                         |   | 5.7                          | 27.8                        | 7.4  |
| Direct life, health, and medical insurance     | 5241                       | 4,100          | 17.0   | 10.0                   | 5.5                         |   | 5.7                          | 27.0                        | 7.4  |
| carriers                                       | 52411                      | 1,450          | 11.0   | 6.9                    | 2.8                         |   | 9.7                          | 31.7                        | 2.1  |
| Direct insurance (except life, health, and     | 52411                      | 1,450          | 11.0   | 0.9                    | 2.0                         |   | 9.7                          | 51.7                        | 2.1  |
| medical) carriers                              | 52412                      | _              | _      | _                      | _                           | _   | _                            | _                           | _  |
| Agencies, brokerages, and other insurance      | 52412                      | _              | -      | -                      | -                           |   | -                            | -                           | -  |
| related activities                             | 5242                       |                |        |                        | _                           |   |                              |                             |  |
| Insurance agencies and brokerages              | 5242                       | _<br>1,300     | 16.2   | 16.2                   | _                           | -   | 6.9                          | 16.9                        | _  |
| Other insurance related activities             | 52421                      | 1,300          | 8.9    | 4.9                    | _                           | _   | 29.3                         | 4.9                         | _  |
| Funds, trusts, and other financial vehicles    | 52429                      | 320            | 21.9   | 15.6                   | _                           | 6.2   | 29.5                         | 25.0                        | _  |
| Insurance and employee benefit funds           | 525<br>5251                | 320<br>240     | 21.9   | 16.7                   |                             | 8.3   | _                            | 25.0                        | _  |
| Other investment pools and funds               | 5251                       | 240<br>80      | 25.0   |                        | _                           | 0.3   | _                            | 25.0                        | _  |
| Open-end investment funds                      | 5259                       | 30             | _      | -                      | _                           | -   | -                            | 25.0                        | _  |
| Open-end investment funds                      | 52591                      | 30             | -      | _                      | _                           | -   | _                            | _                           | -  |
| Real estate and rental and leasing             | 53                         | 19,320         | 24.8   | 14.7                   | 5.1                         | 3.2   | 9.5                          | 16.0                        | 1.6  |
| Real estate                                    | 531                        | 12,700         | 23.1   | 14.3                   | 4.7                         | 2.8   | 10.4                         | 18.3                        | 1.3  |
| Lessors of real estate                         | 5311                       | 5,800          | 27.4   | 20.0                   | 4.3                         | 1.7   | 10.4                         | 20.5                        | 1.7  |
| Lessors of residential buildings and dwellings | 53111                      | -              | - 27.4 | -                      |                             | -   | -                            | - 20.5                      | -  |
| Lessors of nonresidential buildings (except    | 00111                      |                | -      |                        |                             |   |                              |                             |  |
| miniwarehouses)                                | 53112                      | 500            | 22.0   | 6.0                    | 12.0                        | _   | 6.0                          | 20.0                        | 8.0  |
| Lessors of miniwarehouses and self-storage     | 00112                      | 500            | 22.0   | 0.0                    | 12.0                        |   | 0.0                          | 20.0                        | 0.0  |
| units  | 53113                      | 250            | 40.0   | 36.0                   | _                           | _   | 16.0                         | 24.0                        | _  |
| Lessors of other real estate property          | 53119                      | 160            | 43.8   | - 50.0                 | _                           | 25.0  | 25.0                         | 12.5                        | _  |
| Offices of real estate agents and brokers      | 5312                       | 1,390          | 22.3   | 20.1                   | 2.2                         |   | 10.8                         | 44.6                        | _  |
| Activities related to real estate              | 5313                       | 5,510          | 18.7   | 6.5                    | 5.8                         | 4.7   | 10.5                         | 9.4                         | .9   |
|  | 2010                       | 3,010          |        | 0.0                    | 0.0                         |   |                              |                             |  |

|   |           |            |                           |   | Percent o | f industry ca       | ase total in           | volving — | -                        |                          |                          | 1                                     |
|---|-----------|------------|---------------------------|---|-----------|---------------------|------------------------|-----------|--------------------------|--------------------------|--------------------------|---------------------------------------|
|   | Overe     | exertion   | -                         | Expo-<br>sure                                       |           | oortation<br>dents  |                        | A         | ssaults and              | d violent ad             | cts                      | -                                     |
|   |           |            |                           | to  | acci      |                     | Fires                  |           |                          | All other                | assaults                 |                                       |
| Industry <sup>3</sup>   | Total     | In lifting | Repeti-<br>tive<br>motion | harmful<br>sub-<br>stance<br>or<br>environ-<br>ment | Total     | Highway<br>accident | and<br>explo-<br>sions | Total     | Assaults<br>by<br>person | All<br>other<br>assaults | Assaults<br>by<br>animal | All<br>other<br>events <sup>5,6</sup> |
| Credit card issuing   | 9.5       | _          | 28.6                      | _   | _         | _                   | _                      | _         | _                        | _                        | _                        | 9.5                                   |
| Sales financing   | 27.3      | 27.3       | _                         | _   | -         | _                   | _                      | _         | _                        | -                        | _                        | _                                     |
| Other nondepository credit intermediation   | 14.8      | 3.5        | 5.2                       | _   | _         | _                   | _                      | _         | _                        | _                        | _                        | 8.7                                   |
| Activities related to credit intermediation   | 10.3      | 10.3       | 13.8                      | _   | 3.4       | 3.4                 | _                      | _         | _                        | _                        | _                        | 5.2                                   |
| Financial transactions processing, reserve,   | 20.0      | 16.0       | 20.0                      | _   | 8.0       | 8.0                 |                        |           |                          |                          | _                        | 12.0                                  |
| and clearinghouse activities  | 20.0      | 16.0       | 20.0                      | -   | 0.0       | 8.0                 | _                      | -         | -                        | -                        | _                        | 12.0                                  |
| Securities, commodity contracts, and other financial investments and related activities       | 9.1       | 6.8        | 4.5                       | -   | -         | -                   | -                      | -         | -                        | -                        | -                        | 6.8                                   |
| Securities and commodity contracts  |           |            |                           |   |           |                     |                        |           |                          |                          |                          |                                       |
| intermediation and brokerage  | -         | -          | 12.5                      | -   | -         | -                   | -                      | -         |                          | -                        | -                        | -                                     |
| Investment banking and securities dealing   | -         | -          | -                         | -   | -         | -                   | -                      | -         | -                        | -                        | -                        | -                                     |
| Securities brokerage  | -         | -          | -                         | -   | -         | -                   | -                      | -         |                          | -                        | -                        | -                                     |
| Portfolio management  | 20.0      | 20.0       | _                         | _   | -         | _                   | _                      | _         | _                        | -                        | -                        | _                                     |
| Investment advice   | _         | _          | _                         | _   | -         | _                   | _                      | _         | _                        | -                        | _                        | _                                     |
| All other financial investment activities   | _         | _          | _                         | _   | _         | _                   | _                      | _         | _                        | _                        | _                        | _                                     |
| Insurance carriers and related activities   | 6.9       | 4.2        | 16.3                      | 3.1   | 12.1      | 11.6                | _                      | 0.6       | _                        | 0.6                      | 0.6                      | 8.5                                   |
| Insurance carriers<br>Direct life, health, and medical insurance                              | 5.0       | 3.1        | 16.7                      | 1.7   | 8.6       | 7.7                 | -                      | .5        | -                        | -                        | -                        | 9.6                                   |
| carriers  | 9.0       | 4.8        | 17.2                      | 2.8   | 3.4       | 1.4                 | -                      | -         | -                        | -                        | -                        | 12.4                                  |
| medical) carriers   | -         |            | _                         |   |           | _                   |                        |           |                          | _                        | _                        |                                       |
|   | -         | _          | -                         | -   | -         | -                   | _                      | _         | _                        | _                        | _                        | -                                     |
| Agencies, brokerages, and other insurance   |           |            |                           |   |           |                     |                        |           |                          |                          |                          |                                       |
| related activities  | -         | -          | -                         | -   |           | -                   | _                      | -         | -                        | -                        | -                        | -                                     |
| Insurance agencies and brokerages   |           | _          | 13.8                      | 10.0  | 31.5      | 31.5                | -                      | -         |                          | -                        | -                        |                                       |
| Other insurance related activities  | 18.7      | 12.2       | 17.1                      | -   | -         | -                   | -                      | -         | -                        | -                        | -                        | 11.4                                  |
| Funds, trusts, and other financial vehicles   | 9.4       | -          | 6.2                       | 12.5  | 6.2       | 6.2                 | -                      | -         | -                        | -                        | -                        | 15.6                                  |
| Insurance and employee benefit funds  | 8.3       | -          | -                         | -   | 8.3       | 8.3                 | -                      | -         | -                        | -                        | -                        | 20.8                                  |
| Other investment pools and funds  | -         | -          | -                         | -   | -         | -                   | -                      | -         | -                        | -                        | -                        | -                                     |
| Open-end investment funds   | -         | -          | -                         | -   | -         | -                   | -                      | -         | -                        | -                        | -                        | -                                     |
| Real estate and rental and leasing  | 22.3      | 11.4       | 3.0                       | 4.9   | 3.7       | 2.5                 | 0.1                    | 1.5       | 0.6                      | .9                       | .8                       | 12.6                                  |
| Real estate   | 20.2      | 8.9        | 3.6                       | 5.6   | 1.1       | .6                  | _                      | 1.8       | .8                       | 1.0                      | .9                       | 14.4                                  |
| Lessors of real estate  | 17.6      | 11.9       | 6.9                       | 2.1   | 1.0       | .0                  | _                      | 1.0       | .0                       | - 1.0                    | .9                       | 11.2                                  |
| Lessors of residential buildings and dwellings<br>Lessors of nonresidential buildings (except | -         | -          | - 0.9                     | -   | -         |                     | _                      | -         | 9                        | _                        | _                        | -                                     |
| miniwarehouses)<br>Lessors of miniwarehouses and self-storage                                 | 26.0      | 12.0       | -                         | 6.0   | 4.0       | 4.0                 | -                      | -         | -                        | -                        | -                        | 8.0                                   |
| units   | 16.0      | 12.0       | _                         | _   | -         | _                   | -                      | -         | -                        | -                        | -                        | _<br>12.5                             |
| Offices of real estate agents and brokers   | _<br>12.9 | 7.9        | _                         | _   |           | _                   | _                      | 4.3       |                          | 4.3                      | 4.3                      | 2.2                                   |
| Activities related to real estate   | 24.9      | 6.0        | .9                        | 10.7  | 1.1       | _                   | _                      | 4.3       | .9                       | 4.3                      | 4.3                      | 20.9                                  |
|   | 24.9      | 0.0        | .9                        | 10.7  | 1.1       | -                   | _                      | 1.0       | .9                       | ./                       | ./                       | 20.9                                  |

|   |   |   |   | Perce   | ent of indu                                     | stry case to   | otal involvi   | ng —  |  |
|---|---|---|---|---|---|--|--|---|--|
|   |   |   |   | Contact w   | ith objects                                     |  |  |   |  |
| Industry <sup>3</sup>   | NAICS<br>code <sup>4</sup>  | Total<br>cases  | Total   | Struck<br>by<br>object                                      | Struck<br>against<br>object                     | Caught<br>in or<br>com-<br>pressed<br>or<br>crushed    | Fall<br>to<br>lower<br>level                         | Fall<br>on<br>same<br>level                                 | Slips<br>or<br>trips<br>without<br>fall <sup>5</sup> |
| Real estate property managers<br>Rental and leasing services<br>Automotive equipment rental and leasing<br>Passenger car rental and leasing<br>Consumer goods rental<br>Consumer electronics and appliances rental<br>Video tape and disc rental<br>Other consumer goods rental<br>General rental centers   | 53131<br>532<br>5321<br>53211<br>5322<br>53221<br>53223<br>53229<br>5323              | 5,370<br>6,480<br>2,320<br>1,500<br>2,170<br>580<br>250<br>1,320<br>980   | 18.6<br>27.9<br>28.9<br>24.0<br>16.1<br>-<br>15.9<br>41.8           | 6.7<br>15.6<br>17.7<br>17.3<br>8.8<br>-<br>-<br>5.3<br>22.4 | 5.6<br>5.2<br>7.3<br>4.0<br>-<br>-<br>-<br>7.1  | 4.8<br>3.9<br>3.9<br>2.7<br>5.1<br>-<br>8.3<br>-       | 10.2<br>7.4<br>11.2<br>2.0<br>7.8<br>-<br>4.5<br>3.1 | 9.3<br>11.4<br>14.2<br>20.0<br>13.4<br>-<br>7.6<br>8.2      | 0.9<br>2.2<br>1.7<br>2.7<br>4.1<br>-<br>6.1          |
| Commercial and industrial machinery and<br>equipment rental and leasing<br>Construction, transportation, mining, and<br>forestry machinery and equipment rental and   | 5324  | 1,000   | 38.0  | 19.0  | 8.0   | 4.0  | _  | 4.0   | _  |
| leasing<br>Other commercial and industrial machinery  | 53241   | 630   | 47.6  | 23.8  | 9.5   | -  | -  | -   | -  |
| and equipment rental and leasing  | 53249   | 350   | 20.0  | 11.4  | -   | -  | -  | -   | -  |
| copyrighted works)  | 533   | 150   | 40.0  | 13.3  | 26.7  | -  | 26.7   | 13.3  | -  |
| Professional and business services  |   | 88,260  | 22.8  | 11.9  | 5.8   | 3.4  | 7.4  | 15.1  | 4.0  |
| Professional, scientific, and technical services  | 54  | 20,240  | 15.1  | 6.3   | 4.6   | 2.4  | 7.2  | 12.2  | 4.4  |
| Professional, scientific, and technical services<br>Legal services  | 541<br>5411   | 20,240<br>_   | 15.1<br>-   | 6.3<br>-  | 4.6<br>-  | 2.4  | 7.2<br>-   | 12.2<br>-   | 4.4<br>-   |
| Offices of certified public accountants<br>Other accounting services<br>Architectural, engineering, and related services<br>Architectural services<br>Landscape architectural services<br>Engineering services<br>Testing laboratories<br>Specialized design services<br>Computer systems design and related services<br>Computer systems design and related services | 541211<br>541219<br>5413<br>54131<br>54132<br>54133<br>54133<br>54138<br>5414<br>5415 | 150<br>800<br>5,820<br>90<br>830<br>3,720<br>410<br>290<br>1,110<br>1,110 | -<br>20.0<br>21.1<br>33.3<br>-<br>17.2<br>22.0<br>-<br>14.4<br>14.4 | -<br>9.6<br>-<br>7.8<br>14.6<br>-<br>9.9<br>9.9             | -<br>12.5<br>7.6<br>-<br>4.6<br>-<br>2.7<br>2.7 | -<br>3.8<br>2.2<br>22.2<br>-<br>2.2<br>7.3<br>-<br>1.8 | -<br>-<br>13.7<br>-<br>11.6<br>-<br>6.3<br>6.3       | 60.0<br>5.0<br>8.4<br>-<br>5.9<br>36.6<br>-<br>22.5<br>22.5 | -<br>6.5<br>-<br>6.7<br>-<br>-<br>-                  |
| Custom computer programming services<br>Computer systems design services<br>Computer facilities management services<br>Other computer related services  | 541511<br>541512<br>541513<br>541513  | 250<br>520<br>110<br>240  | 12.0<br>11.5<br>_<br>25.0   | 8.0<br>5.8<br>-<br>25.0                                     | -<br>-<br>-<br>-                                |  | 16.0<br>-<br>-<br>-                                  | 32.0<br>25.0<br>18.2<br>–                                   | -<br>-<br>-<br>-                                     |

|   |           |            | 1                         | 1  | Percent of | f industry ca       | ase total in           | ivolving — | -                        |                          |                          | 1     |
|---|-----------|------------|---------------------------|--|------------|---------------------|------------------------|------------|--------------------------|--------------------------|--------------------------|-------|
|   | Overe     | exertion   | -                         | Expo-<br>sure                            |            | oortation<br>dents  |                        | A          | ssaults and              | d violent a              | cts                      | _     |
| la duata 2  |           |            | Donoti                    | to                                       |            |                     | Fires                  |            |                          | All other                | assaults                 | All   |
| Industry <sup>3</sup>   | Total     | In lifting | Repeti-<br>tive<br>motion | sub-<br>stance<br>or<br>environ-<br>ment | Total      | Highway<br>accident | and<br>explo-<br>sions | Total      | Assaults<br>by<br>person | All<br>other<br>assaults | Assaults<br>by<br>animal | other |
| Real estate property managers   | 25.5      | 6.1        | 0.9                       | 11.0                                     | 1.1        | 0.4                 | _                      | 1.9        | 0.9                      | 0.7                      | 0.7                      | 20.3  |
| Rental and leasing services   | 26.7      | 16.4       | 1.5                       | 3.7                                      | 8.6        | 6.5                 | -                      | .9         | -                        | .8                       | .8                       | 9.4   |
| Automotive equipment rental and leasing   | 10.8      | 6.0        | -                         | 5.6                                      | 12.9       | 9.1                 | -                      | 1.7        | -                        | 1.7                      | 1.7                      | 12.9  |
| Passenger car rental and leasing  | 10.0      | 4.7        | -                         | 8.7                                      | 17.3       | 12.7                | -                      | 2.7        | -                        | 2.7                      | 2.7                      | 12.7  |
| Consumer goods rental   | 44.7      | 30.0       | -                         | -  | 4.6        | 4.1                 | -                      | -          | -                        | -                        | -                        | 6.5   |
| Consumer electronics and appliances rental  | 58.6      | 55.2       | -                         | -  | -          | -                   | -                      | -          | -                        | -                        | -                        | -     |
| Video tape and disc rental  | -         | -          | -                         | -  | -          | -                   | -                      | -          | -                        | -                        | -                        | -     |
| Other consumer goods rental   | 47.0      | 25.0       | -                         | -  | 7.6        | 6.8                 | -                      | -          | -                        | -                        | -                        | 9.1   |
| General rental centers  | 18.4      | 8.2        | -                         | 8.2                                      | 5.1        | 4.1                 | -                      | -          | -                        | -                        | -                        | 14.3  |
| Commercial and industrial machinery and   |           |            |                           |  |            |                     |                        |            |                          |                          |                          |       |
| equipment rental and leasing<br>Construction, transportation, mining, and                           | 33.0      | 19.0       | 6.0                       | -  | 12.0       | -                   | -                      | _          | -                        | _                        | -                        | 3.0   |
| forestry machinery and equipment rental and<br>leasing<br>Other commercial and industrial machinery | 34.9      | 25.4       | -                         | -  | -          | -                   | -                      | -          | -                        | -                        | -                        | -     |
| and equipment rental and leasing  | 25.7      | -          | -                         | -  | 28.6       | -                   | -                      | -          | -                        | -                        | -                        | -     |
| copyrighted works)  | -         | -          | -                         | -  | -          | -                   | -                      | -          | -                        | -                        | -                        | -     |
| Professional and business services  | 18.2      | 11.0       | 4.0                       | 5.0                                      | 7.2        | 5.1                 | 0.1                    | 4.2        | 1.0                      | 3.2                      | 3.2                      | 12.0  |
| Professional, scientific, and technical services  | 14.3      | 8.8        | 6.3                       | 5.4                                      | 6.4        | 3.4                 | .2                     | 12.7       | .1                       | 12.6                     | 12.6                     | 15.7  |
|   |           |            |                           |  |            |                     |                        |            |                          |                          |                          |       |
| Professional, scientific, and technical services<br>Legal services                                  | 14.3<br>- | 8.8        | 6.3<br>-                  | 5.4<br>-                                 | 6.4<br>-   | 3.4<br>-            | .2                     | 12.7       | .1                       | 12.6<br>_                | 12.6<br>_                | 15.7  |
| Offices of certified public accountants   | 13.3      | -          | 13.3                      | -  | -          | -                   | _                      | -          | -                        | -                        | -                        | -     |
| Other accounting services   | 22.5      | 18.8       | 5.0                       | _  | 42.5       | -                   | -                      | _          | -                        | _                        | -                        | -     |
| Architectural, engineering, and related services  | 17.5      | 10.7       | 7.0                       | 6.5                                      | 3.4        | 1.0                 | -                      | -          | -                        | -                        | -                        | 15.8  |
| Architectural services  | -         | -          |                           |  | -          | -                   | _                      | -          | -                        | -                        | -                        | -     |
| Landscape architectural services  | -         | -          | -                         | -  | -          | -                   | -                      | -          | -                        | -                        | -                        | -     |
| Engineering services  | 13.7      | 8.3        | 10.5                      | 8.1                                      | 2.7        | -                   | -                      | -          | -                        | -                        | -                        | 23.7  |
| Testing laboratories  | 22.0      | -          | -                         | 12.2                                     | -          | -                   | -                      | -          | -                        | -                        | -                        | -     |
| Specialized design services   | -         | -          | -                         | -  | -          | -                   | -                      | -          | -                        | -                        | -                        | -     |
| Computer systems design and related services<br>Computer systems design and related                 | 25.2      | 13.5       | 5.4                       | -  | 6.3        | -                   | -                      | _          | -                        | _                        | -                        | 18.9  |
| services  | 25.2      | 13.5       | 5.4                       | -  | 6.3        | -                   | -                      | -          | -                        | -                        | -                        | 18.9  |
| Custom computer programming services  | 8.0       | -          | 8.0                       | -  | -          | -                   | -                      | -          | -                        | -                        | -                        | 20.0  |
| Computer systems design services  | 30.8      | 25.0       | -                         | -  | 11.5       | -                   | -                      | -          | -                        | -                        | -                        | 13.5  |
| Computer facilities management services   | -         | -          | 18.2                      | -  | -          | -                   | -                      | -          | -                        | -                        | -                        | 36.4  |
| Other computer related services   | 37.5      | -          | -                         | -  | -          | -                   | -                      | -          |                          | -                        | -                        | 25.0  |

|  |                            |                |              | Perce                  | ent of indu                 | stry case to  | otal involvi                 | ng —                        |  |
|--|----------------------------|----------------|--------------|------------------------|-----------------------------|---|------------------------------|-----------------------------|--|
|  |                            |                |              | Contact w              | vith objects                |   |                              |                             |  |
| Industry <sup>3</sup>  | NAICS<br>code <sup>4</sup> | Total<br>cases | Total        | Struck<br>by<br>object | Struck<br>against<br>object | Caught<br>in or<br>com-<br>pressed<br>or<br>crushed | Fall<br>to<br>lower<br>level | Fall<br>on<br>same<br>level | Slips<br>or<br>trips<br>without<br>fall <sup>5</sup> |
| Management, scientific, and technical consulting                               |                            |                |              |                        |                             |   |                              |                             |  |
| services   | 5416                       | 1,370          | 25.5         | 17.5                   | 2.9                         | 4.4   | 6.6                          | 22.6                        | 3.6  |
| Management consulting services   | 54161                      | 780            | 28.2         | 21.8                   | _                           | 5.1   | 11.5                         | 19.2                        | _  |
| Environmental consulting services<br>Other scientific and technical consulting | 54162                      | 330            | _            | -                      | -                           | -   | -                            | -                           | -  |
| services   | 54169                      | 260            | _            | _                      | _                           | -   | _                            | _                           | _  |
| Scientific research and development services                                   | 5417                       | 1,490          | 9.4          | 5.4                    | 2.0                         | 1.3   | 8.1                          | 21.5                        | 2.0  |
| Advertising and related services   | 5418                       | 980            | 21.4         | 7.1                    | 8.2                         | 6.1   | 7.1                          | 13.3                        | 9.2  |
| Other professional, scientific, and technical                                  |                            |                |              |                        | _                           | _   |                              |                             | -  |
| services   | 5419                       | _              | -            | -                      | -                           | _   | _                            | -                           | _  |
| Marketing research and public opinion polling                                  | 54191                      | 200            | _            | _                      | _                           | -   | _                            | _                           | _  |
| Photographic services  | 54192                      | 90             | _            | _                      | _                           | _   | _                            | _                           | _  |
| Veterinary services  | 54194                      | _              | -            | _                      | _                           | _   | _                            | _                           | _  |
| All other professional, scientific, and technical                              |                            |                |              |                        |                             |   |                              |                             |  |
| services   | 54199                      | 360            | -            | -                      | -                           | -   | -                            | -                           | -  |
| Management of companies and enterprises  | 55                         | 8,230          | 20.5         | 11.5                   | 3.2                         | 3.2   | 7.3                          | 19.4                        | 4.4  |
| Administrative and support and waste   |                            |                |              |                        |                             |   |                              |                             |  |
| management and remediation services  | 56                         | 59,790         | 25.7         | 13.9                   | 6.6                         | 3.8   | 7.4                          | 15.5                        | 3.8  |
| Administrative and support services  | 561<br>5612                | 51,050         | 24.2         | 13.3                   | 6.3                         | 3.3   | 7.2                          | 16.3                        | 3.9  |
| Facilities support services  | 5612                       | <br>           | 22.1         | 10.0                   | -                           |   | -                            | -                           | -  |
| Employment services  |                            | 5,510          |              | 10.9                   | 6.4                         | 4.2   | 2.4                          | 21.4                        | 4.4  |
| Employment placement agencies  | 56131                      | 380            | 10.5         |                        |                             |   |                              | 18.4                        |  |
| Temporary help services  | 56132                      | 3,820          | 23.8<br>20.6 | 11.5                   | 8.1<br>3.1                  | 3.4   | 2.9                          | 17.3<br>33.6                | 5.2<br>3.1   |
| Employee leasing services  | 56133<br>5614              | 1,310          |              | 10.7                   | _                           | 6.1   | 1.5                          |                             | 2.1  |
| Business support services  | 56142                      | 2,380<br>1,260 | 12.6<br>6.3  | 7.1<br>2.4             | 2.1<br>3.2                  | 1.7   | 6.3<br>6.3                   | 36.1<br>38.9                | 4.0  |
| Telephone call centers   | 56142                      | 310            | 22.6         | 2.4                    | 3.2                         | 9.7   | 0.3                          | 30.9                        | 4.0  |
| Business service centers   | 56143                      | 440            | 9.1          | 6.8                    | _                           | 9.7   | _<br>15.9                    | 45.5                        | _  |
| Collection agencies  | 56144                      | 340            | 29.4         | 20.6                   | _                           |   |                              | 45.5                        | _  |
| Other business support services<br>Travel arrangement and reservation services | 5615                       | 340            | 29.4         | 10.3                   |                             |   | _                            | 20.5                        | 7.7  |
| Travel agencies  | 56151                      | 20             | - 17.9       | - 10.5                 | _                           | _   | _                            | 20.5                        | -  |
| Tour operators   | 56151                      | 70             | _            | _                      |                             |   | _                            | _                           | _  |
| Other travel arrangement and reservation                                       |                            |                |              |                        |                             |   | _                            |                             |  |
| services   | 56159                      | 300            | 20.0         | 13.3                   | -                           | -   | -                            | 23.3                        | 10.0   |
| Investigation and security services  | 5616                       | 6,660          | 12.2         | 4.8                    | 6.0                         | .9  | 14.3                         | 24.9                        | 4.8  |
| Investigation, guard, and armored car  | 50403                      |                |              |                        |                             |   | 40.4                         |                             |  |
| services   | 56161                      | 5,470          | 11.3         | 5.1                    | 4.9                         | .9  | 10.1                         | 26.9                        | 5.3  |
| Investigation services   | 561611                     | 120            | -            | -                      | -                           |   | -                            | 33.3                        | -  |
| Security guards and patrol services  | 561612                     | 4,810          | 10.4         | 5.0                    | 4.4                         | .8  | 10.6                         | 28.3                        | 5.8  |
|  | L                          | I              | I            |                        | 1                           | 1   |                              | I                           | L  |

|  |              |              | I              |  | Percent of | industry ca         | ase total in           | volving — | -                        |                          |                          | 1            |
|--|--------------|--------------|----------------|--|------------|---------------------|------------------------|-----------|--------------------------|--------------------------|--------------------------|--------------|
|  | Overe        | xertion      |                | Expo-<br>sure                            |            | ortation<br>dents   |                        | A         | ssaults and              | d violent ad             | cts                      | -            |
| Industry <sup>3</sup>  |              |              | Repeti-        | to                                       | acci       |                     | Fires                  |           |                          | All other                | assaults                 | All          |
|  | Total        | In lifting   | tive<br>motion | sub-<br>stance<br>or<br>environ-<br>ment | Total      | Highway<br>accident | and<br>explo-<br>sions | Total     | Assaults<br>by<br>person | All<br>other<br>assaults | Assaults<br>by<br>animal | other        |
| Management, scientific, and technical consulting                                 | 5.0          |              |                |  | 40.0       |                     |                        |           |                          |                          |                          |              |
| services   | 5.8          | 5.1          | 2.9            | -  | 10.2       | 8.0                 | -                      | 5.1       | -                        | 4.4                      | 4.4                      | 14.6         |
| Management consulting services   | 9.0          | 6.4          | -              | 3.8                                      | 10.3       | 10.3                | -                      | 7.7       | -                        | 7.7                      | 7.7                      | 5.1          |
| Environmental consulting services<br>Other scientific and technical consulting   | -            | -            | -              | -  | _          | -                   | -                      | _         | -                        | _                        | -                        | -            |
| services   | -            | -            | -              | -  | -          | -                   | -                      | -         | -                        | -                        | -                        | -            |
| Scientific research and development services<br>Advertising and related services | 25.5<br>17.3 | 18.1<br>11.2 | 6.0<br>-       | 4.7                                      | 1.3<br>3.1 | 1.3<br>3.1          | _                      | 3.4       | _                        | 3.4                      | 3.4<br>-                 | 18.8<br>28.6 |
| Other professional, scientific, and technical                                    |              |              |                |  |            |                     |                        |           |                          |                          |                          |              |
| Services   | -            | _            | -              | -  | -          | _                   | _                      | -         |                          | _                        | _                        | -            |
| Marketing research and public opinion polling                                    | _            | _            | _              | _  | _          | _                   | _                      | -         |                          | _                        | _                        | 55.6         |
| Photographic services  | -            | _            | _              |  | _          | _                   | _                      | _         |                          | _                        | _                        | 55.6         |
| Veterinary services<br>All other professional, scientific, and technical         | -            | _            | -              | -  | -          | _                   | _                      | -         | -                        | _                        | _                        | -            |
| Services   | _            |              | _              | 47.2                                     | _          | _                   | _                      |           | _                        |                          | _                        |              |
| services   | -            | _            | _              | 47.2                                     | -          | _                   | -                      | _         | -                        | _                        | _                        | _            |
| Management of companies and enterprises  | 17.5         | 10.2         | 3.0            | 2.6                                      | 6.6        | 4.5                 | -                      | 2.4       | 2.3                      | -                        | -                        | 16.4         |
| Administrative and support and waste<br>management and remediation services      | 19.6         | 11.8         | 3.4            | 5.3                                      | 7.6        | 5.8                 | 0.1                    | 1.5       | 1.1                      | .5                       | .4                       | 10.1         |
| Administrative and support services<br>Facilities support services               | 19.8<br>-    | 12.3         | 3.9            | 5.6<br>-                                 | 7.3        | 6.0                 | .1                     | 1.7       | 1.3                      | .5                       | .5                       | 9.9          |
| Employment services  | 21.6         | 9.6          | 9.3            | 3.6                                      | 5.1        | 3.6                 | _                      | 1.1       | .9                       | _                        | _                        | 8.9          |
| Employment placement agencies  | 42.1         | 7.9          |                | -  | _          | -                   | _                      | _         |                          | _                        | _                        | _            |
| Temporary help services  | 19.4         | 10.5         | 9.9            | 4.2                                      | 3.9        | 2.4                 | _                      | 1.0       | 1.0                      | _                        | _                        | 11.8         |
| Employee leasing services  | 22.1         | 8.4          | 3.8            | 2.3                                      | 9.2        | 7.6                 | _                      | 1.5       | _                        | _                        | _                        | 2.3          |
| Business support services  | 9.2          | 5.9          | 8.4            | 4.6                                      | 4.6        | 4.6                 | _                      | .8        | _                        | _                        | _                        | 15.1         |
| Telephone call centers   | 4.8          | _            | 8.7            | 7.9                                      | 7.1        | 7.1                 | _                      |           | _                        | _                        | _                        | 15.1         |
| Business service centers   | 16.1         | 12.9         | _              | _  | _          | _                   | _                      | _         | _                        | _                        | _                        | 25.8         |
| Collection agencies  | 6.8          | _            | 15.9           | _  | _          | _                   | _                      | _         | _                        | _                        | _                        | _            |
| Other business support services  | 23.5         | _            | _              | -  | -          | -                   | -                      | _         | -                        | _                        | -                        | 23.5         |
| Travel arrangement and reservation services                                      | 7.7          | 5.1          | 12.8           | 12.8                                     | -          | _                   | -                      | _         | -                        | _                        | -                        | 15.4         |
| Travel agencies  | _            | _            | -              | -  | -          | -                   | _                      | _         | -                        | -                        | -                        | -            |
| Tour operators   | -            | -            | -              | -  | -          | -                   | -                      | -         |                          | -                        | -                        | 28.6         |
| Other travel arrangement and reservation   |              |              |                |  |            |                     |                        |           |                          |                          |                          |              |
| services   | 6.7          | -            | 10.0           | 10.0                                     | -          | -                   | -                      | -         | -                        | -                        | -                        | 13.3         |
| Investigation and security services  | 7.8          | 3.3          | .6             | 2.3                                      | 16.7       | 14.6                | -                      | 7.5       | 6.5                      | 1.1                      | 1.1                      | 9.0          |
| Investigation, guard, and armored car  |              |              |                |  |            |                     |                        |           |                          |                          |                          |              |
| services   | 6.8          | 2.7          | .5             | 2.6                                      | 18.3       | 15.7                | -                      | 8.4       | 7.7                      | .7                       | .5                       | 10.2         |
| Investigation services   | -            | -            | -              | -  | 25.0       | 25.0                | -                      | -         | -                        | -                        | -                        | 16.7         |
| Security guards and patrol services  | 5.4          | 2.3          | -              | 2.3                                      | 18.7       | 16.2                | -                      | 8.9       | 8.1                      | .6                       | .6                       | 9.6          |

|  |                            |                |        | Perce                  | ent of indu                 | stry case to  | otal involvi                 | ng —                        |  |
|--|----------------------------|----------------|--------|------------------------|-----------------------------|---|------------------------------|-----------------------------|--|
|  |                            |                |        | Contact w              | vith objects                |   |                              |                             |  |
| Industry <sup>3</sup>                            | NAICS<br>code <sup>4</sup> | Total<br>cases | Total  | Struck<br>by<br>object | Struck<br>against<br>object | Caught<br>in or<br>com-<br>pressed<br>or<br>crushed | Fall<br>to<br>lower<br>level | Fall<br>on<br>same<br>level | Slips<br>or<br>trips<br>without<br>fall <sup>5</sup> |
| Armored car services                             | 561613                     | 540            | 22.2   | 9.3                    | 11.1                        | _   | 5.6                          | 13.0                        | _  |
| Security systems services                        |                            | 1,190          | 16.0   | 3.4                    | 10.9                        |   | 33.6                         | 16.0                        | _  |
| Services to buildings and dwellings              |                            | 28,030         | 29.4   | 17.3                   | 6.9                         | 3.2   | 7.7                          | 12.1                        | 3.6  |
| Exterminating and pest control services          |                            | 1,850          | 13.0   | 8.1                    | - 0.9                       | - 3.2   | 10.8                         | 6.5                         | 5.0  |
| Janitorial services                              |                            | 10.970         | 20.8   | 11.8                   | 6.2                         |   | 7.9                          | 21.1                        | 4.7  |
| Landscaping services                             |                            | 13,010         | 40.5   | 25.1                   | 0.2<br>7.1                  | 1.6<br>5.2  | 7.9<br>5.9                   | 6.7                         | 4.7  |
|  |                            |                |        |                        |                             | 5.2   | 5.9                          | 0.7                         |  |
| Carpet and upholstery cleaning services          |                            | 770            | 24.7   | 9.1                    | 14.3                        | 1   |                              |                             | 23.4   |
| Other services to buildings and dwellings        |                            | 1,430          | 18.2   | 6.3                    | 8.4                         | 3.5   | 20.3                         | 3.5                         | -  |
| Other support services                           | 5619                       | 3,450          | 29.3   | 12.2                   | 4.9                         | 11.6  | 3.2                          | 20.6                        | 3.2  |
| Waste management and remediation services        | 562                        | 8,740          | 34.6   | 17.0                   | 8.1                         | 7.0   | 8.4                          | 10.9                        | 3.0  |
| Waste collection                                 |                            | 4,270          | 38.4   | 20.1                   | 8.9                         | 6.8   | 5.2                          | 9.4                         | 4.0  |
| Waste collection                                 |                            | 4,270          | 38.4   | 20.1                   | 8.9                         | 6.8   | 5.2                          | 9.4                         | 4.0  |
| Solid waste collection                           |                            | 3,730          | 39.7   | 20.4                   | 9.1                         | 7.8   | 5.1                          | 7.8                         | 4.3  |
| Hazardous waste collection                       |                            | 140            | 42.9   | 28.6                   | -                           | -   | 14.3                         | -                           | -  |
| Other waste collection                           |                            | 390            | 25.6   | 15.4                   | 7.7                         | -   | -                            | 25.6                        | -  |
| Waste treatment and disposal                     |                            | 2,410          | 30.7   | 11.6                   | 7.5                         | 10.0  | 4.6                          | 16.6                        | 1.7  |
| Waste treatment and disposal                     |                            | 2,410          | 30.7   | 11.6                   | 7.5                         | 10.0  | 4.6                          | 16.6                        | 1.7  |
| Solid waste landfill                             |                            | 1,300          | 30.8   | 7.7                    | 7.7                         | 13.8  | 4.6                          | 16.9                        | 2.3  |
| Solid waste combustors and incinerators          | 562213                     | 80             | -      | -                      | -                           | -   | -                            | -                           | -  |
| Other nonhazardous waste treatment and           |                            |                |        |                        |                             |   |                              |                             |  |
| disposal   | 562219                     | 420            | 11.9   | 7.1                    | -                           | -   | -                            | 14.3                        | -  |
| Remediation and other waste management           |                            |                |        |                        |                             |   |                              |                             |  |
| services   | 5629                       | 2,060          | 31.1   | 17.0                   | 6.8                         | 4.4   | 19.4                         | 7.8                         | 2.4  |
| Remediation services                             | 56291                      | 1,190          | 25.2   | 16.8                   | 3.4                         | 3.4   | 26.1                         | 5.9                         | 2.5  |
| All other waste management services              | 56299                      | 590            | 44.1   | 16.9                   | 16.9                        | 6.8   | 10.2                         | 8.5                         | -  |
| Education and health services                    |                            | 181,700        | 13.7   | 7.1                    | 4.3                         | 1.4   | 3.5                          | 20.3                        | 3.8  |
|  |                            |                | -      |                        | _                           |   |                              |                             |  |
| Educational services                             | 61                         | 10,680         | 18.0   | 9.7                    | 5.8                         | 1.1   | 9.0                          | 21.7                        | 5.1  |
| Educational services                             | 611                        | 10,680         | 18.0   | 9.7                    | 5.8                         | 1.1   | 9.0                          | 21.7                        | 5.1  |
| Elementary and secondary schools                 | 6111                       | 3,920          | 20.2   | 11.5                   | 6.1                         | 1.3   | 5.6                          | 22.4                        | 2.8  |
| Junior colleges                                  |                            | 160            | 12.5   | -                      | _                           | -   | 12.5                         | 25.0                        | _  |
| Colleges, universities, and professional schools | 6113                       | 5,310          | 17.5   | 9.8                    | 5.1                         | 1.3   | 11.1                         | 21.7                        | 6.4  |
| Business and secretarial schools                 |                            | 20             | _      | -                      | _                           | -   | _                            | _                           | _  |
| Professional and management development          |                            | 20             |        |                        |                             |   |                              |                             |  |
| training   | 61143                      | 60             | _      | _                      | _                           | _   | _                            | _                           | _  |
| Technical and trade schools                      |                            | 320            | 6.2    | _                      | _                           | _   | 9.4                          | 31.2                        | _  |
| Other schools and instruction                    |                            | 450            | 15.6   | 13.3                   | _                           | _   | _                            | 13.3                        | 11.1   |
| Fine arts schools                                |                            | 430<br>60      | - 15.0 | -                      | _                           |   | _                            | -                           | -  |
| Sports and recreation instruction                |                            | 140            |        | _                      | _                           |   | _                            |                             | _  |
|  |                            | 140            | . –    |                        |                             | I – I   | -                            | · -                         | 1 -  |
| All other schools and instruction                | 61169                      | 250            | _      | _                      | -                           |   | _                            | _                           | 20.0   |

|   |                      |                    |                           |   | Percent of   | f industry ca       | ase total in           | volving — | -                        |                          |                          |                                       |
|---|----------------------|--------------------|---------------------------|---|--------------|---------------------|------------------------|-----------|--------------------------|--------------------------|--------------------------|---------------------------------------|
|   | Overe                | xertion            | -                         | Expo-<br>sure                                       |              | ortation<br>dents   |                        | A         | ssaults and              | d violent ad             | cts                      | -                                     |
|   |                      |                    |                           | to  | acci         |                     | Fires                  |           |                          | All other                | assaults                 |                                       |
| Industry <sup>3</sup>   | Total                | In lifting         | Repeti-<br>tive<br>motion | harmful<br>sub-<br>stance<br>or<br>environ-<br>ment | Total        | Highway<br>accident | and<br>explo-<br>sions | Total     | Assaults<br>by<br>person | All<br>other<br>assaults | Assaults<br>by<br>animal | All<br>other<br>events <sup>5,6</sup> |
| Armored car services<br>Security systems services   | 20.4<br>12.6<br>22.2 | 7.4<br>5.9<br>13.8 | 3.7<br>-<br>.8            | 5.6<br>-<br>7.3                                     | 13.0<br>10.1 | 9.3<br>9.2<br>5.4   |                        | - 3.4     | -<br>-<br>0.2            | -<br>3.4                 | -<br>3.4                 | 14.8<br>3.4<br>9.6                    |
| Services to buildings and dwellings<br>Exterminating and pest control services  | 22.2<br>6.5          | 5.4                | .0                        | 5.4   | 6.6<br>17.8  | 5.4<br>14.1         | _                      | .6        | 0.2                      | .5                       | .4                       | 9.6<br>36.8                           |
| Janitorial services   | 23.5                 | 12.0               | .8                        | 10.2  | 3.9          | 3.4                 | _                      | .8        | .4                       | .5                       | .4                       | 6.2                                   |
| Landscaping services  | 22.6                 | 15.3               | .0                        | 5.9   | 6.5          | 4.8                 | _                      |           |                          |                          |                          | 8.5                                   |
| Carpet and upholstery cleaning services   | 29.9                 | 22.1               |                           | -   | -            | _                   | _                      | _         | _                        | _                        | -                        | -                                     |
| Other services to buildings and dwellings   | 25.2                 | 19.6               | -                         | -   | 14.7         | 14.7                | -                      | _         | -                        | -                        | -                        | 14.7                                  |
| Other support services  | 26.7                 | 21.4               | 4.9                       | 3.2   | 3.2          | 1.7                 | -                      | -         | -                        | -                        | -                        | 5.2                                   |
| Waste management and remediation services   | 18.3                 | 8.9                | .7                        | 3.3   | 8.9          | 4.9                 | 0.3                    | .3        | -                        | .3                       | .3                       | 11.3                                  |
| Waste collection  | 15.7                 | 8.4                | .7                        | 2.6   | 9.6          | 5.6                 | -                      | -         | -                        | -                        | -                        | 14.3                                  |
| Waste collection  | 15.7                 | 8.4                | .7                        | 2.6   | 9.6          | 5.6                 | -                      | -         | -                        | -                        | -                        | 14.3                                  |
| Solid waste collection  | 16.9                 | 9.1                | .8                        | 2.4   | 9.9          | 5.9                 | -                      | -         | -                        | -                        | -                        | 12.9                                  |
| Hazardous waste collection  | 14.3                 | -                  | -                         | -   | 14.3         | 14.3                | -                      | -         | -                        | -                        | -                        | -                                     |
| Other waste collection  | _                    | _                  | -                         | -   | -            | -                   | -                      | -         |                          | -                        | -                        | 30.8                                  |
| Waste treatment and disposal  | 26.1                 | 10.4               | .8                        | 2.9   | 5.8          | 3.3                 | -                      | -         | -                        | -                        | -                        | 11.2                                  |
| Waste treatment and disposal  | 26.1                 | 10.4               | .8                        | 2.9   | 5.8          | 3.3                 | -                      | -         | -                        | -                        | -                        | 11.2                                  |
| Solid waste landfill<br>Solid waste combustors and incinerators<br>Other nonhazardous waste treatment and                       | 22.3<br>_            | 7.7                | -                         | 3.1   | 6.2<br>-     | 5.4<br>-            | -                      | _         | -                        | -                        | -                        | 13.1<br>50.0                          |
| disposal<br>Remediation and other waste management  | 64.3                 | 31.0               | -                         | -   | -            | -                   | -                      | -         | -                        | -                        | -                        | -                                     |
| services  | 14.6                 | 8.7                | -                         | 5.8   | 11.2         | 5.3                 | 1.0                    | -         | -                        | -                        | -                        | 5.3                                   |
| Remediation services  | 18.5                 | 10.1               | -                         | 8.4   | 7.6          | _                   | -                      | -         | -                        | -                        | -                        | 4.2                                   |
| All other waste management services   | 8.5                  | 5.1                | -                         | 3.4   | 10.2         | 8.5                 | -                      | -         | -                        | -                        | -                        | 8.5                                   |
| Education and health services   | 33.6                 | 15.1               | 1.8                       | 4.2   | 3.6          | 2.8                 | ( <sup>11</sup> )      | 6.2       | 5.9                      | .3                       | .3                       | 9.3                                   |
| Educational services  | 19.5                 | 10.3               | 1.9                       | 3.1   | 5.1          | 2.8                 | _                      | 7.5       | 7.4                      | .2                       | .2                       | 9.2                                   |
| Educational services  | 19.5                 | 10.3               | 1.9                       | 3.1   | 5.1          | 2.8                 | _                      | 7.5       | 7.4                      | .2                       | .2                       | 9.2                                   |
| Elementary and secondary schools  | 15.6                 | 10.5               | -                         | 2.0   | 5.9          | 1.8                 | _                      | 16.8      | 16.6                     |                          | 2                        | 8.4                                   |
| Junior colleges   | 37.5                 | -                  | _                         |   | - 0.5        | -                   | _                      | -         | -                        | _                        | _                        | - 0.4                                 |
| Colleges, universities, and professional schools<br>Business and secretarial schools<br>Professional and management development | 22.0                 | 10.5<br>_          | 3.4                       | 4.3<br>-  | 3.2<br>_     | 1.9<br>_            |                        | .8        | .6<br>_                  |                          | -                        | 9.2                                   |
| training  | -                    | -                  |                           |   | -            | -                   | -                      | -         | -                        | -                        | -                        | 66.7                                  |
| Technical and trade schools   | 21.9                 | 15.6               | -                         | -   | -            | -                   | -                      | 9.4       | 9.4                      | -                        | -                        | 15.6                                  |
| Other schools and instruction   | 35.6                 | 15.6               | -                         | -   | -            | -                   | -                      | 15.6      | 15.6                     | -                        | -                        | 8.9                                   |
| Fine arts schools   | 66.7                 | 66.7               | -                         | -   | -            | -                   | -                      | -         | -                        | -                        | -                        | -                                     |
| Sports and recreation instruction<br>All other schools and instruction  | _<br>32.0            | _                  |                           |   | -            |                     | -                      | _<br>28.0 | 28.0                     |                          |                          | -                                     |

|   |                            |                |       | Perce                  | ent of indu                 | stry case to  | otal involvi                 | ng —                        |  |
|---|----------------------------|----------------|-------|------------------------|-----------------------------|---|------------------------------|-----------------------------|--|
|   |                            |                |       | Contact w              | ith objects                 | ;   |                              |                             |  |
| Industry <sup>3</sup>                         | NAICS<br>code <sup>4</sup> | Total<br>cases | Total | Struck<br>by<br>object | Struck<br>against<br>object | Caught<br>in or<br>com-<br>pressed<br>or<br>crushed | Fall<br>to<br>lower<br>level | Fall<br>on<br>same<br>level | Slips<br>or<br>trips<br>without<br>fall <sup>5</sup> |
| Health care and social assistance             | 62                         | 171,020        | 13.4  | 7.0                    | 4.2                         | 1.4   | 3.1                          | 20.2                        | 3.7  |
| Ambulatory health care services               | 621                        | 27,670         | 11.4  | 6.4                    | 3.6                         | .7  | 5.0                          | 20.0                        | 4.5  |
| Offices of physicians                         | 6211                       | 5,660          | 11.3  | 7.6                    | 2.8                         | .4  | 3.2                          | 18.4                        | 4.2  |
| Offices of physicians                         | 62111                      | 5,660          | 11.3  | 7.6                    | 2.8                         | .4  | 3.2                          | 18.4                        | 4.2  |
| Offices of physicians (except mental health   |                            | 3,000          |       |                        |                             |   | 0.2                          |                             |  |
| specialists)                                  | 621111                     | 5,230          | 11.5  | 7.5                    | 3.1                         | .4  | 3.1                          | 19.1                        | 4.2  |
| Offices of physicians, mental health          | 021111                     | 0,200          | 11.0  | 7.0                    | 0.1                         |   | 0.1                          | 10.1                        | 7.2  |
| specialists                                   | 621112                     | 430            | 9.3   | 9.3                    | _                           | _   | _                            | 9.3                         | _  |
| Offices of dentists                           | 6212                       | 900            | 12.2  | 5.5                    | _                           | _   | _                            | 18.9                        | 33.3   |
| Offices of other health practitioners         | 6212                       | 1,320          | 31.1  | 7.6                    | 23.5                        |   | _                            | 15.2                        |  |
| Outpatient care centers                       | 6213                       | 3,730          | 12.1  | 7.8                    | 23.3                        | _   | 9.7                          | 26.8                        | 6.7  |
| Medical and diagnostic laboratories           | 6215                       | 1,160          | 33.6  | 29.3                   | 2.6                         |   | 1.7                          | 26.7                        | 2.6  |
| Home health care services                     | 6216                       | 9,670          | 6.7   | 3.7                    | 2.0                         | .3  | 5.3                          | 20.7                        | 2.0  |
| Other ambulatory health care services         | 6210                       | 5,230          | 9.6   | 4.8                    | 3.3                         | 1.0   | 5.2                          | 14.0                        | 2.9  |
|   | 62191                      | 3,230          | 8.1   | 3.0                    | 3.5                         |   | 4.8                          | 9.8                         | 2.5  |
| Ambulance services                            | 62191                      | 3,960<br>1,280 | 14.1  | 10.2                   | 2.3                         | .8  | 4.0<br>5.5                   | 9.8<br>25.8                 | 2.5  |
| All other ambulatory health care services     |                            | 60,390         | 13.6  | 6.9                    | -                           | 1.7   | 2.4                          |                             | 3.4  |
| Hospitals                                     | 622<br>6221                |                | 13.6  | 6.9                    | 4.2<br>4.3                  | 1.7   | 2.4                          | 19.0<br>18.9                | 3.4  |
| General medical and surgical hospitals        | 6221                       | 55,860         | 13.0  | 10.0                   | 4.3                         | 1.0   | 2.4                          | 19.4                        | 3.5  |
| Psychiatric and substance abuse hospitals     | 0222                       | 1,600          | 14.4  | 10.0                   | 3.0                         | _   | 2.5                          | 19.4                        | 3.0  |
| Specialty (except psychiatric and substance   | 6000                       |                |       |                        |                             |   |                              |                             |  |
| abuse) hospitals                              | 6223                       | -              | -     | -                      | -                           | -   | -                            | -                           | -  |
| Nursing and residential care facilities       | 623                        | 61,140         | 13.2  | 7.1                    | 4.0                         | 1.3   | 2.2                          | 20.2                        | 3.5  |
| Nursing care facilities                       | 6231                       | 37,210         | 13.1  | 7.2                    | 3.8                         | 1.6   | 1.3                          | 20.3                        | 3.5  |
| Residential mental retardation, mental health | 0000                       | 0.000          | 40 5  |                        | 1.0                         | -   |                              | 01.0                        | 0.5  |
| and substance abuse facilities                | 6232                       | 8,890          | 13.5  | 6.2                    | 4.6                         | .7  | 3.9                          | 21.0                        | 2.5  |
| Community care facilities for the elderly     | 6233                       | 12,180         | 13.2  | 7.6                    | 4.2                         | .8  | 2.5                          | 20.7                        | 4.1  |
| Other residential care facilities             | 6239                       | 2,860          | 13.3  | 7.3                    | 4.2                         | 1.0   | 7.7                          | 15.0                        | 5.6  |
| Social assistance                             | 624                        | 21,820         | 15.5  | 7.2                    | 5.4                         | 1.7   | 5.3                          | 23.8                        | 3.7  |
| Individual and family services                | 6241                       | 11,460         | 11.5  | 5.0                    | 3.1                         | 2.1   | 6.5                          | 21.7                        | 1.9  |
| Child and youth services                      | 62411                      | 1,680          | 10.1  | 3.6                    | 6.5                         | -   | 7.1                          | 17.3                        | -  |
| Services for the elderly and persons with     | 00440                      | 0.540          | 40.0  | 4.0                    | 0.0                         | 4.5   |                              | 40.4                        | 0.0  |
| disabilities                                  | 62412                      | 6,510          | 10.3  | 4.9                    | 2.0                         | 1.5   | 6.3                          | 18.4                        | 2.6  |
| Other individual and family services          | 62419                      | 3,270          | 14.7  | 5.8                    | 4.0                         | 4.3   | 6.4                          | 30.6                        | .9   |
| Community food and housing, and emergency     | 00.40                      | 1.000          | 45.5  |                        |                             |   | 7.0                          | 07.4                        | - /  |
| and other relief services                     | 6242                       | 1,290          | 15.5  | 9.3                    | 5.4                         | -   | 7.0                          | 27.1                        | 5.4  |
| Community food services                       | 62421                      | 190            | 15.8  | 15.8                   |                             | -   | -                            | 47.4                        | -  |
| Community housing services                    | 62422                      | 890            | 18.0  | 9.0                    | 6.7                         | -   | 7.9                          | 23.6                        | 7.9  |
| Emergency and other relief services           | 62423                      | 210            | -     | -                      | -                           | -   | -                            | 23.8                        | -  |
| Vocational rehabilitation services            | 6243                       | 4,250          | 28.0  | 10.6                   | 13.6                        | 3.1   | 3.5                          | 15.1                        | 5.6  |
| Child day care services                       | 6244                       | 4,820          | 14.1  | 9.3                    | 3.3                         | -   | 3.7                          | 35.7                        | 5.6  |

|   |  |  |  |  | Percent o  | f industry ca  | ase total in           | volving —  | -  |                                     |                                       |  |
|---|--|--|--|--|--|--|------------------------|--|--|-------------------------------------|---------------------------------------|--|
|   | Overe  | exertion   |  | Expo-<br>sure  |  | oortation<br>dents   |                        | A  | ssaults and  | d violent ad                        | cts                                   |  |
|   |  |  |  | to   |  |  | Fires                  |  |  | All other                           | assaults                              |  |
| Industry <sup>3</sup>   | Total In lifting   | Repeti-<br>tive<br>motion                                      | harmful<br>sub-<br>stance<br>or<br>environ-<br>ment            | Total  | Highway<br>accident  | and<br>explo-<br>sions   | Total                  | Assaults<br>by<br>person                               | All<br>other<br>assaults                           | Assaults<br>by<br>animal            | All<br>other<br>events <sup>5,6</sup> |  |
| Health care and social assistance   | 34.5   | 15.4   | 1.8  | 4.2  | 3.5  | 2.8  | 0.1                    | 6.1  | 5.8  | 0.3                                 | 0.3                                   | 9.3  |
| Ambulatory health care services<br>Offices of physicians<br>Offices of physicians   | 29.7<br>29.5<br>29.5   | 15.4<br>18.4<br>18.4   | 3.0<br>7.4<br>7.4  | 3.8<br>4.8<br>4.8  | 8.9<br>7.6<br>7.6  | 7.4<br>6.2<br>6.2  | -<br>-<br>-            | 3.0<br>.9<br>.9  | 2.3<br>.9<br>.9                                    | .7<br>-<br>-                        | .6<br>_<br>_                          | 10.6<br>12.5<br>12.5   |
| Offices of physicians (except mental health<br>specialists)<br>Offices of physicians, mental health   | 28.5   | 19.7   | 8.0  | 5.2  | 6.3  | 6.1  | -                      | .6   | .6   | -                                   | -                                     | 13.4   |
| specialists<br>Offices of dentists<br>Offices of other health practitioners<br>Outpatient care centers<br>Medical and diagnostic laboratories<br>Home health care services<br>Other ambulatory health care services<br>Ambulance services<br>All other ambulatory health care services<br>Hospitals | 39.5<br>-<br>31.1<br>15.3<br>6.0<br>35.3<br>38.6<br>45.2<br>18.0<br>39.0 | -<br>6.8<br>8.3<br>3.4<br>13.3<br>27.3<br>31.8<br>13.3<br>16.7 | -<br>14.4<br>-<br>1.9<br>6.9<br>.7<br>1.1<br>1.0<br>1.6<br>2.3 | -<br>-<br>3.2<br>1.7<br>3.2<br>4.4<br>2.5<br>10.2<br>5.1 | 23.3<br>-<br>9.8<br>6.2<br>15.5<br>11.7<br>6.7<br>8.1<br>2.3<br>.9 | 7.0<br>-<br>9.8<br>6.2<br>9.5<br>10.1<br>4.6<br>5.3<br>2.3<br>.6 |                        | -<br>-<br>7.8<br>-<br>2.9<br>3.4<br>1.0<br>10.2<br>4.5 | -<br>-<br>7.5<br>-<br>1.4<br>2.9<br>.5<br>-<br>4.4 | -<br>-<br>-<br>1.4<br>.4<br>-<br>.1 |                                       | -<br>5.3<br>10.2<br>4.3<br>9.6<br>14.7<br>16.7<br>9.4<br>9.7 |
| General medical and surgical hospitals<br>Psychiatric and substance abuse hospitals<br>Specialty (except psychiatric and substance  | 39.3<br>16.2   | 16.2<br>5.6  | 2.4<br>1.9   | 5.1<br>3.1   | .9<br>1.9  | .6<br>1.9  | -                      | 3.9<br>29.4  | 3.8<br>29.4  | .1<br>_                             | .1<br>_                               | 9.8<br>7.5   |
| abuse) hospitals<br>Nursing and residential care facilities<br>Nursing care facilities<br>Residential mental retardation, mental health   | -<br>37.3<br>43.2  | -<br>16.0<br>17.8  | -<br>.8<br>.8  | -<br>4.2<br>3.8  | -<br>1.6<br>.3   | -<br>1.3<br>.3   | ( <sup>11</sup> )<br>_ | -<br>8.6<br>5.5  | -<br>8.4<br>5.3                                    | _<br>.2<br>.2                       | _<br>.2<br>.2                         | -<br>8.2<br>8.1  |
| and substance abuse facilities<br>Community care facilities for the elderly<br>Other residential care facilities<br>Social assistance<br>Individual and family services<br>Child and youth services   | 18.2<br>38.9<br>12.9<br>20.2<br>23.6<br>27.4                             | 8.3<br>19.2<br>2.8<br>9.7<br>10.5<br>10.7                      | .4<br>1.2<br>-<br>1.9<br>.3<br>-                               | 4.5<br>5.7<br>1.0<br>2.5<br>2.7<br>4.8                   | 5.8<br>1.5<br>4.9<br>9.2<br>13.0<br>15.5                           | 4.5<br>1.3<br>4.5<br>7.5<br>11.0<br>15.5                         | 2<br><br>              | 23.1<br>3.9<br>24.5<br>7.8<br>9.1<br>10.7              | 22.9<br>3.7<br>23.4<br>7.0<br>7.7<br>10.1          | -<br>1.0<br>.8<br>1.4<br>1.2        | -<br>1.0<br>.7<br>1.3<br>1.2          | 6.9<br>7.9<br>14.7<br>9.8<br>9.7<br>5.4                      |
| Services for the elderly and persons with<br>disabilities<br>Other individual and family services<br>Community food and housing, and emergency  | 28.3<br>12.5   | 13.7<br>4.0  | .3   | 2.5<br>1.8   | 10.9<br>15.9   | 10.4<br>9.8  | -<br>-                 | 9.1<br>8.0   | 7.2<br>7.6   | 1.8<br>.6                           | 1.8<br>.6                             | 11.2<br>8.9  |
| and other relief services   | 17.1<br>10.5<br>14.6<br>33.3<br>19.5<br>13.7                             | 14.0<br>-<br>12.4<br>28.6<br>6.4<br>10.0                       | -<br>-<br>-<br>.9<br>6.8                                       | 4.7<br>-<br>5.6<br>-<br>2.1<br>1.9                       | 7.8<br>-<br>3.4<br>28.6<br>6.6<br>2.9                              | 7.8<br>-<br>3.4<br>28.6<br>4.7<br>1.7                            | -<br>-<br>-<br>-       | 7.0<br>-<br>10.1<br>-<br>8.0<br>4.8                    | 7.0<br>-<br>10.1<br>-<br>7.8<br>4.8                | -<br>-<br>-<br>-                    | -<br>-<br>-<br>-                      | 7.8<br>-<br>9.0<br>-<br>10.8<br>9.5                          |

| Industry3code4cLeisure and hospitality71Arts, entertainment, and recreation71Performing arts, spectator sports, and related<br>industries7111Spectator sports7112Spectator sports71121Spectator sports71121Spectator sports71121Spectator sports711212Other spectator sports711212Other spectator sports711219Promoters of performing arts, sports, and similar<br>events7113Agents and managers for artists, athletes,<br>entertainers, and other public figures7114Independent artists, writers, and performers713Amusement, gambling, and recreation industries7131Amusement and theme parks71311Gambling industries71391Skiing facilities71392Marinas71393Fitness and recreational sports centers71395All other amusement and recreation industries71395All other amusement and recreation industries71395 | Fotal<br>pases<br>94,160<br>17,650<br>4,460<br>1,320<br>-<br>-<br>710<br>220<br>580                              | Total<br>29.4<br>25.7<br>31.6<br>19.7<br>-<br>22.5<br>22.7<br>34.5                                | Contact w<br>Struck<br>by<br>object<br>17.2<br>15.0<br>18.8<br>6.8<br>-<br>-<br>11.3<br>9.1<br>25.9 | Struck<br>against<br>object<br>7.8<br>6.1<br>7.4<br>9.1<br>-<br>-<br>7.0<br>9.1  | Caught<br>in or<br>com-<br>pressed<br>or<br>crushed<br>2.4<br>2.8<br>2.5<br>3.8<br>-<br>-<br>2.8 | Fall<br>to<br>lower<br>level<br>4.4<br>5.3<br>5.8<br>6.8<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>- | Fall<br>on<br>same<br>level<br>21.3<br>18.9<br>9.9<br>11.4<br>-<br>-<br>19.7<br>-                | Slips<br>or<br>trips<br>without<br>fall <sup>5</sup><br>4.5<br>3.1<br>3.6<br>2.3<br>-<br>5.6 |
|--|--|---|---|--|--|--|--|--|
| Industryscode4cLeisure and hospitality71Arts, entertainment, and recreation71Performing arts, spectator sports, and related<br>industries711Performing arts, spectator sports, and related<br>industries7111Spectator sports71121Spectator sports71121Spectator sports71121Spectator sports711211Racetracks711212Other spectator sports711219Promoters of performing arts, sports, and similar<br>events7113Agents and managers for artists, athletes,<br>entertainers, and other public figures7114Independent artists, writers, and performers713Amusement, gambling, and recreation industries7131Amusement and theme parks71311Gambling industries71391Golf courses and country clubs71391Skiing facilities71392Marinas71393Fitness and recreational sports centers71394Bowling centers71395All other amusement and recreation industries71395   | 94,160<br>17,650<br>4,460<br>1,320<br>-<br>-<br>-<br>710<br>220<br>580   | 29.4<br>25.7<br>31.6<br>19.7<br>-<br>-<br>22.5<br>22.7<br>34.5                                    | by<br>object<br>17.2<br>15.0<br>18.8<br>6.8<br>-<br>-<br>11.3<br>9.1                                | against<br>object<br>7.8<br>6.1<br>7.4<br>9.1<br>-<br>-<br>-<br>7.0              | in or<br>com-<br>pressed<br>or<br>crushed<br>2.4<br>2.8<br>2.5<br>3.8<br>-<br>-<br>2.8           | to<br>lower<br>level<br>4.4<br>5.3<br>5.8<br>6.8<br>-<br>-<br>-<br>4.2                                     | on<br>same<br>level<br>21.3<br>18.9<br>9.9<br>11.4<br>-<br>-<br>-<br>19.7                        | or<br>trips<br>without<br>fall <sup>5</sup><br>4.5<br>3.1<br>3.6<br>2.3<br>-<br>-            |
| Arts, entertainment, and recreation71Performing arts, spectator sports, and related<br>industries711Performing arts companies7111Spectator sports7112Spectator sports71121Sports teams and clubs711211Racetracks711212Other spectator sports71121Promoters of performing arts, sports, and similar<br>events7113Agents and managers for artists, athletes,<br>entertainers, and other public figures7114Independent artists, writers, and performers7115Museums, historical sites, and similar institutions712Amusement parks and arcades7131Amusement and theme parks71311Gambling industries7139Golf courses and country clubs71391Skiing facilities71392Marinas71394Bowling centers71394All other amusement and recreation industries71394All other amusement and recreation industries71394All other amusement and recreation industries71394All other amusement and recreation industries71394  | 17,650<br>4,460<br>1,320<br>-<br>-<br>710<br>220<br>580  | 25.7<br>31.6<br>19.7<br>-<br>-<br>22.5<br>22.7<br>34.5  | 15.0<br>18.8<br>6.8<br>-<br>-<br>11.3<br>9.1  | 6.1<br>7.4<br>9.1<br>-<br>-<br>7.0   | 2.8<br>2.5<br>3.8<br>-<br>-<br>2.8   | 5.3<br>5.8<br>6.8<br>-<br>-<br>-<br>4.2  | 9.9<br>11.4<br>-<br>-<br>19.7  | 3.1<br>3.6<br>2.3<br>-<br>-  |
| Performing arts, spectator sports, and related<br>industries 711   Performing arts companies 7111   Spectator sports 7112   Spectator sports 71121   Spectator sports 71121   Spectator sports 71121   Sports teams and clubs 711211   Racetracks 711212   Other spectator sports 711219   Promoters of performing arts, sports, and similar 7113   Agents and managers for artists, athletes,<br>entertainers, and other public figures 7114   Independent artists, writers, and performers 713   Amusement, gambling, and recreation industries 7131   Amusement and theme parks 7131   Gambling industries 7132   Other amusement and recreation industries 71391   Skiing facilities 71391   Skiing facilities 71392   Marinas 71394   Bowling centers 71394   Bowling centers 71395   All other amusement and recreation industries 71394   | 4,460<br>1,320<br>-<br>-<br>710<br>220<br>580  | 31.6<br>19.7<br>-<br>22.5<br>22.7<br>34.5   | 18.8<br>6.8<br>-<br>-<br>11.3<br>9.1  | 7.4<br>9.1<br>-<br>-<br>7.0  | 2.5<br>3.8<br>-<br>-<br>2.8  | 5.8<br>6.8<br>-<br>-<br>4.2  | 9.9<br>11.4<br>-<br>-<br>19.7  | 3.6<br>2.3<br>-<br>-   |
| industries711Performing arts companies711Spectator sports7112Spectator sports71121Sports teams and clubs71121Racetracks711212Other spectator sports711212Other spectator sports711219Promoters of performing arts, sports, and similar<br>events7113Agents and managers for artists, athletes,<br>entertainers, and other public figures7114Independent artists, writers, and performers7113Amusement, gambling, and recreation industries7131Amusement parks and arcades7131Amusement and theme parks71311Golf courses and country clubs71391Skiing facilities71392Marinas71393Fitness and recreational sports centers71394Bowling centers71395All other amusement and recreation industries71395   | 1,320<br>-<br>-<br>710<br>220<br>580   | 19.7<br>-<br>22.5<br>22.7<br>34.5   | 6.8<br>-<br>-<br>11.3<br>9.1  | 9.1<br>-<br>-<br>-<br>7.0  | 3.8<br>-<br>-<br>2.8   | 6.8<br>-<br>-<br>-<br>4.2  | 11.4<br>-<br>-<br>19.7   | 2.3<br>-<br>-<br>-   |
| Promoters of performing arts, sports, and similar<br>events7113Agents and managers for artists, athletes,<br>entertainers, and other public figures7114Independent artists, writers, and performers7115Museums, historical sites, and similar institutions712Amusement, gambling, and recreation industries7131Amusement parks and arcades7131Gambling industries7132Other amusement and theme parks71391Golf courses and country clubs71391Skiing facilities71392Marinas71393Fitness and recreational sports centers71394Bowling centers71395All other amusement and recreation industries71394   | 580  | 34.5  | _   | 9.1  | _  | 004  | -  |  |
| entertainers, and other public figures7114Independent artists, writers, and performers7115Museums, historical sites, and similar institutions712Amusement, gambling, and recreation industries713Amusement parks and arcades7131Amusement and theme parks71311Gambling industries7132Other amusement and recreation industries7139Golf courses and country clubs71391Skiing facilities71393Fitness and recreational sports centers71394Bowling centers71395All other amusement and recreation industries71394  | ~  | _   |   | 5.2  | -  | 36.4<br>6.9  | 10.3   | -<br>13.8  |
| Accommodation and food services 72   | 60<br>100<br>1,000<br>12,190<br>1,240<br>1,220<br>3,000<br>7,950<br>3,210<br>710<br>600<br>2,000<br>300<br>1,130 | 50.0<br>27.0<br>23.4<br>24.2<br>23.8<br>23.0<br>23.4<br>26.2<br>31.0<br>15.0<br>23.0<br>-<br>20.4 | -<br>40.0<br>16.0<br>13.5<br>9.7<br>9.8<br>12.3<br>14.5<br>16.2<br>9.9<br>10.0<br>17.0<br>-<br>14.2 | -<br>6.0<br>5.6<br>6.5<br>5.7<br>6.3<br>5.2<br>5.6<br>16.9<br>-<br>3.5<br>-<br>- | -<br>3.0<br>2.9<br>7.3<br>7.4<br>2.3<br>2.4<br>2.5<br>-<br>1.5<br>-<br>3.5                       | -<br>9.0<br>4.8<br>7.3<br>7.4<br>3.3<br>5.0<br>4.0<br>5.6<br>10.0<br>4.5<br>-<br>7.1                       | -<br>19.0<br>22.2<br>19.4<br>19.7<br>22.0<br>22.8<br>20.6<br>32.4<br>31.7<br>28.0<br>30.0<br>7.1 | -<br>4.0<br>2.9<br>2.4<br>2.5<br>4.0<br>2.5<br>2.2<br>-<br>1.5<br>5.3                        |
|  | 76,510   | 30.3  | 17.7  | 8.2  | 2.4  | 4.2  | 21.8   | 4.8  |
| Accommodation721Traveler accommodation7211Hotels (except casino hotels) and motels72111Casino hotels72112Other traveler accommodation72119Rv (recreational vehicle) parks and recreational7212Rv (recreational vehicle) parks and7212Rv (recreational vehicle) parks and7212Rv (recreational camps7212   | 20.880   | 22.9<br>23.1<br>22.6<br>27.2  | 11.6<br>11.9<br>11.9<br>12.5<br>–   | 7.3<br>7.2<br>6.6<br>10.9<br>–   | 2.5<br>2.5<br>2.4<br>3.2<br>-  | 6.0<br>6.1<br>6.4<br>3.5<br>–  | 21.8<br>22.0<br>21.5<br>24.6<br>-<br>14.0  | 4.7<br>4.8<br>4.9<br>4.8<br>-  |

|  |  |   |   |   | Percent o   | f industry ca   | ase total in                           | volving —  | -                             |  |   |  |
|--|--|---|---|---|---|---|--|--|-------------------------------|--|---|--|
|  | Overe  | exertion  | _   | Expo-<br>sure   |   | oortation<br>idents   |  | A  | ssaults and                   | d violent ad   | cts   | _  |
|  |  |   | Repeti-   | to  | acci  |   | Fires                                  |  |                               | All other  | assaults  |  |
| Industry <sup>3</sup>  | Total  | In lifting  | tive<br>motion  | sub-<br>stance<br>or<br>environ-<br>ment  | Total   | Highway<br>accident   | and<br>explo-<br>sions                 | Total  | Assaults<br>by<br>person      | All<br>other<br>assaults   | Assaults<br>by<br>animal  | All<br>other<br>events <sup>5,6</sup>  |
| Leisure and hospitality  | 13.7   | 8.5   | 1.8   | 10.5  | 2.2   | 0.8   | 0.1                                    | 1.4  | 1.2                           | 0.3  | 0.3   | 10.5   |
| Arts, entertainment, and recreation  | 13.9   | 7.8   | 1.9   | 6.3   | 4.1   | .5  | .2                                     | 1.9  | .8                            | 1.1  | 1.1   | 18.5   |
| Performing arts, spectator sports, and related<br>industries<br>Performing arts companies<br>Spectator sports<br>Spectator sports<br>Sports teams and clubs<br>Racetracks<br>Other spectator sports<br>Promoters of performing arts, sports, and similar<br>events<br>Agents and managers for artists, athletes,<br>entertainers, and other public figures<br>Independent artists, writers, and performers<br>Museums, historical sites, and similar institutions<br>Amusement, gambling, and recreation industries<br>Amusement and theme parks<br>Gambling industries<br>Other amusement and recreation industries<br>Skiing facilities<br>Marinas | 8.5<br>9.8<br>-<br>14.1<br>18.2<br>8.6<br>-<br>16.0<br>15.7<br>10.5<br>10.7<br>20.7<br>14.6<br>16.8<br>7.0<br>16.7 | 4.3<br>4.5<br>-<br>-<br>7.0<br>13.6<br>5.2<br>-<br>7.0<br>9.2<br>6.5<br>6.6<br>13.3<br>8.2<br>11.8<br>4.2 | 2.0<br>3.0<br>-<br>-<br>-<br>-<br>-<br>3.0<br>1.8<br>2.4<br>2.5<br>5.0<br>.5<br>.6<br>- | 1.6<br>2.3<br>-<br>-<br>2.8<br>-<br>-<br>7.0<br>8.0<br>8.1<br>8.2<br>4.3<br>9.4<br>7.5<br>-<br>11.7 | 1.1<br>-<br>-<br>-<br>-<br>2.0<br>5.3<br>7.3<br>7.4<br>3.0<br>5.8<br>6.9<br>2.8 | -<br>-<br>-<br>-<br>-<br>-<br>-<br>.5<br>-<br>.7<br>.4<br>- | -<br>-<br>-<br>-<br>.3<br>-<br>.5<br>- | 1.8<br>-<br>-<br>4.2<br>-<br>-<br>2.0<br>2.0<br>2.0<br>-<br>-<br>.7<br>2.5<br>1.2<br>- |                               | 1.1<br>-<br>-<br>4.2<br>-<br>-<br>2.0<br>1.0<br>-<br>-<br>-<br>1.4<br>1.2<br>- | 1.1<br>-<br>-<br>4.2<br>-<br>-<br>2.0<br>1.0<br>-<br>-<br>1.4<br>1.2<br>- | 34.1<br>43.9<br>-<br>22.5<br>18.2<br>22.4<br>66.7<br>-<br>10.0<br>13.5<br>16.9<br>17.2<br>14.0<br>12.8<br>13.4<br>13.4 |
| Fitness and recreational sports centers<br>Bowling centers<br>All other amusement and recreation industries  | 13.5<br>33.3<br>8.0  | 9.0<br>-<br>-   | 1.0<br>-<br>-   | 2.0<br>-<br>34.5  | 6.5<br>-<br>5.3   | 1.0<br>-<br>-   | -<br>-<br>-                            | 4.5<br>-<br>4.4  | 4.5<br>-<br>-                 | -<br>-<br>4.4  | -<br>-<br>4.4   | 15.0<br>26.7<br>6.2  |
| Accommodation and food services  | 13.7   | 8.7   | 1.8   | 11.4  | 1.8   | .9  | .1                                     | 1.3  | 1.3                           | .1   | .1  | 8.7  |
| Accommodation<br>Traveler accommodation<br>Hotels (except casino hotels) and motels<br>Casino hotels<br>Other traveler accommodation   | 19.6<br>19.7<br>19.9<br>18.8<br>–  | 9.0<br>9.1<br>8.9<br>9.9<br>-   | 1.5<br>1.6<br>1.4<br>2.9<br>-   | 6.6<br>6.3<br>6.2<br>7.0<br>-   | 2.1<br>1.5<br>1.4<br>1.9<br>-   | .7<br>.6<br>.7<br>–   | .1<br>.1<br>.1<br>–                    | 1.7<br>1.7<br>1.8<br>1.3<br>-  | 1.5<br>1.6<br>1.6<br>1.3<br>- | .1<br>.1<br>.2<br>–<br>–   | .1<br>.1<br>.2<br>–   | 12.8<br>13.1<br>13.7<br>8.0<br>44.4  |
| Rv (recreational vehicle) parks and recreational<br>camps<br>Rv (recreational vehicle) parks and<br>recreational camps   | 20.0<br>20.0   | 6.0<br>6.0  |   | 20.0<br>20.0  | 24.0<br>24.0  |   | -                                      | -  |                               |  | -   |  |

|   |   |   |  | Perce  | ent of indu  | stry case to  | otal involvi   | ng —   |  |
|---|---|---|--|--|--|---|--|--|--|
|   |   |   |  | Contact w  | ith objects  |   |  |  |  |
| Industry <sup>3</sup>   | NAICS<br>code <sup>4</sup>                  | Total<br>cases  | Total  | Struck<br>by<br>object   | Struck<br>against<br>object  | Caught<br>in or<br>com-<br>pressed<br>or<br>crushed                 | Fall<br>to<br>lower<br>level   | Fall<br>on<br>same<br>level  | Slips<br>or<br>trips<br>without<br>fall <sup>5</sup>         |
| Recreational and vacation camps (except<br>campgrounds)<br>Rooming and boarding houses<br>Food services and drinking places<br>Full-service restaurants<br>Limited-service eating places<br>Limited-service restaurants<br>Cafeterias<br>Snack and nonalcoholic beverage bars<br>Special food services<br>Drinking places (alcoholic beverages) | 7221<br>7222<br>72221<br>722211<br>722212   | 200<br>70<br>55,630<br>21,610<br>27,090<br>27,090<br>23,020<br>890<br>-<br>5,990<br>940<br>31,520 | -<br>57.1<br>33.1<br>40.4<br>25.1<br>25.1<br>24.1<br>32.6<br>-<br>41.7<br>38.3<br>29.8 | -<br>19.9<br>25.3<br>12.8<br>11.5<br>10.1<br>-<br>30.6<br>30.9<br>13.6 | -<br>57.1<br>8.6<br>10.7<br>7.1<br>7.1<br>7.3<br>5.6<br>-<br>8.8<br>-<br>7.5 | -<br>2.3<br>.9<br>3.6<br>3.6<br>3.5<br>16.9<br>-<br>1.8<br>-<br>4.9 | -<br>-<br>3.5<br>4.0<br>2.8<br>2.8<br>2.1<br>-<br>-<br>4.8<br>-<br>7.6 | -<br>21.8<br>19.1<br>25.6<br>25.6<br>28.3<br>29.2<br>-<br>13.9<br>24.5<br>14.2 | -<br>4.9<br>5.6<br>5.1<br>5.1<br>5.4<br>-<br>1.8<br>-<br>2.4 |
| Other services, except public administration  | 81  | 31,520  | 29.8   | 13.6   | 7.5  | 4.9   | 7.6  | 14.2   | 2.4  |
| Repair and maintenance<br>Automotive repair and maintenance<br>Electronic and precision equipment repair and<br>maintenance<br>Commercial and industrial machinery and<br>equipment (except automotive and electronic)  | 811<br>8111<br>8112                         | 16,350<br>10,990<br>780   | 39.6<br>35.9<br>42.3   | 15.2<br>12.9<br>6.4  | 11.5<br>13.1<br>34.6   | 6.2<br>5.4<br>–   | 7.8<br>8.6<br>–  | 10.0<br>12.3<br>10.3   | 1.0<br>1.1<br>3.8  |
| Personal and household goods repair and<br>maintenance<br>Personal and household goods repair and<br>maintenance<br>Personal and laundry services<br>Death care services<br>Drycleaning and laundry services (except  | 8113<br>8114<br>812<br>8121<br>8122<br>8123 | -<br>7,830<br>1,420<br>1,000<br>3,680   | -<br>15.5<br>26.4<br>30.3<br>39.0<br>26.6  | -<br>17.1<br>28.2<br>32.0<br>12.0                                      | -<br>2.9<br>-<br>4.6   | -<br>5.9<br>-<br>6.0<br>9.0   | -<br>6.1<br>21.1<br>5.0<br>2.4   | -<br>10.3<br>14.9<br>17.6<br>5.0<br>12.2                                       | -<br>2.8<br>-<br>3.0<br>3.3                                  |
| Linen supply  | 81232<br>81233<br>812331<br>812332          | 1,260<br>2,290<br>1,470<br>820  | 20.6<br>30.1<br>31.3<br>28.0   | 10.3<br>13.5<br>14.3<br>13.4   | -<br>7.0<br>6.1<br>8.5   | 9.5<br>8.3<br>9.5<br>7.3  | -<br>3.1<br>1.4<br>6.1   | 12.7<br>10.5<br>9.5<br>11.0  | -<br>3.9<br>4.1<br>2.4                                       |

|  |              |            |                           |  | Percent of | f industry ca       | ase total ir           | volving — |                          |                          |                          |                                |
|--|--------------|------------|---------------------------|--|------------|---------------------|------------------------|-----------|--------------------------|--------------------------|--------------------------|--------------------------------|
|  | Overe        | exertion   | -                         | Expo-<br>sure                            |            | ortation<br>dents   |                        | A         | ssaults and              | d violent a              | cts                      | -                              |
| la durata 2  |              |            | Donoti                    | to                                       |            |                     | Fires                  |           |                          | All other                | assaults                 | All                            |
| Industry <sup>3</sup>  | Total        | In lifting | Repeti-<br>tive<br>motion | sub-<br>stance<br>or<br>environ-<br>ment | Total      | Highway<br>accident | and<br>explo-<br>sions | Total     | Assaults<br>by<br>person | All<br>other<br>assaults | Assaults<br>by<br>animal | other<br>events <sup>5,6</sup> |
| Recreational and vacation camps (except  |              |            |                           |  |            |                     |                        |           |                          |                          |                          |                                |
| campgrounds)   | 35.0         | _          | _                         | 35.0                                     | _          | _                   | _                      | _         | _                        | _                        | _                        | _                              |
| Rooming and boarding houses  | _            | _          | _                         | _  | _          | _                   | _                      | _         | _                        | _                        | _                        | _                              |
| Food services and drinking places  | 11.5         | 8.6        | 1.9                       | 13.2                                     | 1.7        | 1.0                 | 0.1                    | 1.2       | 1.1                      | _                        | _                        | 7.1                            |
| Full-service restaurants   | 12.5         | 9.5        | .9                        | 11.2                                     | 1.6        | 1.0                 | .2                     | _         |                          | _                        | _                        | 4.4                            |
| Limited-service eating places  | 10.4         | 7.9        | 2.7                       | 15.7                                     | 2.0        | 1.3                 |                        | 2.3       | 2.2                      | _                        | _                        | 8.4                            |
| Limited-service eating places  | 10.4         | 7.9        | 2.7                       | 15.7                                     | 2.0        | 1.3                 | _                      | 2.3       | 2.2                      | _                        | _                        | 8.4                            |
| Limited-service restaurants  | 11.2         | 8.8        | 2.3                       | 15.3                                     | 2.0        | 1.1                 | _                      | 2.7       | 2.6                      | _                        | _                        | 6.7                            |
| Cafeterias   | 20.2         | 12.4       | 7.9                       | 7.9                                      |            | _                   | _                      |           |                          | _                        | _                        | _                              |
| Snack and nonalcoholic beverage bars   |              |            | -                         | -  | _          | _                   | _                      | _         | _                        | _                        | _                        | -                              |
| Special food services  | 12.9         | 8.8        | 2.5                       | 9.2                                      | 1.0        | .3                  | _                      | .5        | .5                       | _                        | _                        | 11.5                           |
| Drinking places (alcoholic beverages)  | -            | -          | -                         | 16.0                                     | -          | -                   | -                      | 0         | -                        | -                        | -                        | -                              |
| Other services   | 16.2         | 8.2        | 2.3                       | 6.6                                      | 6.4        | 4.2                 | _                      | 2.1       | .4                       | 1.7                      | 1.7                      | 12.2                           |
| Other services, except public administration   | 16.2         | 8.2        | 2.3                       | 6.6                                      | 6.4        | 4.2                 | -                      | 2.1       | .4                       | 1.7                      | 1.7                      | 12.2                           |
| Repair and maintenance   | 18.2         | 9.1        | 1.5                       | 3.9                                      | 5.0        | 4.2                 | _                      | _         | _                        | _                        | _                        | 12.9                           |
| Automotive repair and maintenance  | 18.5         | 7.3        | 1.5                       | 4.2                                      | 6.2        | 5.4                 | _                      | _         | _                        | _                        | _                        | 11.5                           |
| Electronic and precision equipment repair and  | 10.5         | 7.5        | 1.0                       | 4.2                                      | 0.2        | 5.4                 |                        |           |                          |                          |                          | 11.5                           |
| maintenance<br>Commercial and industrial machinery and<br>equipment (except automotive and electronic) | 17.9         | 3.8        | -                         | 3.8                                      | 10.3       | 7.7                 | _                      | _         | -                        | -                        | _                        | 10.3                           |
| repair and maintenance   | -            | -          | -                         | -  | -          | -                   | -                      | _         | -                        | -                        | -                        | -                              |
| maintenance  | 33.0         | 29.9       | 4.1                       | -  | -          | _                   | _                      | -         | -                        | -                        | -                        | 28.9                           |
| Personal and laundry services  | 16.5         | 7.8        | 4.6                       | 5.1                                      | 10.7       | 5.2                 | -                      | 2.4       | .6                       | 1.9                      | 1.9                      | 10.6                           |
| Personal care services   | 2.8          | _          | 15.5                      | 7.7                                      | _          | _                   | _                      | _         | _                        | _                        | _                        | 3.5                            |
| Death care services  | 17.0         | 7.0        | _                         | 7.0                                      | 10.0       | 5.0                 | _                      | -         | _                        | -                        | -                        | 12.0                           |
| Drycleaning and laundry services<br>Drycleaning and laundry services (except                           | 22.0         | 10.1       | 2.7                       | 4.9                                      | 11.1       | 3.5                 | -                      | .5        | -                        | -                        | -                        | 14.7                           |
| coin-operated)   | 8.7          | 3.2        | _                         | 10.3                                     | 21.4       | _                   | _                      |           | _                        |                          | _                        | 22.2                           |
| Linen and uniform supply   |              | 12.7       | 3.9                       | 2.6                                      | 6.1        | 5.2                 | _                      | .9        |                          | _                        | _                        | 10.9                           |
|  | 28.8         | 12.7       | 4.1                       | 3.4                                      | 7.5        | 5.2<br>6.8          | _                      | .9        | _                        | -                        | _                        | 9.5                            |
| Linen supply<br>Industrial launderers  | 27.9<br>30.5 | 14.3       | 4.1<br>3.7                | 3.4                                      | 7.5<br>3.7 | 6.8<br>2.4          | _                      | _         | _                        | -                        | _                        | 9.5                            |

| TABLE R116. Percent distribution of nonfatal occupational injuries and illnesses involving days away from work <sup>1</sup> by industry and selected |  |
|--|--|
| events or exposures leading to injury or illness <sup>2</sup> , 2007 — Continued   |  |

|  |   | Total<br>cases                             | Percent of industry case total involving — |                                  |                             |   |                              |   |  |  |  |  |
|--|---|--|--|----------------------------------|-----------------------------|---|------------------------------|---|--|--|--|--|
|  | NAICS<br>code <sup>4</sup>                      |  |  | Contact w                        | ith objects                 |   |                              |   |  |  |  |  |
| Industry <sup>3</sup>  |   |  | Total                                      | Struck<br>by<br>object           | Struck<br>against<br>object | Caught<br>in or<br>com-<br>pressed<br>or<br>crushed | Fall<br>to<br>lower<br>level | Fall<br>on<br>same<br>level               | Slips<br>or<br>trips<br>without<br>fall <sup>5</sup> |  |  |  |
| Other personal services<br>Pet care (except veterinary) services<br>Photofinishing<br>Parking lots and garages<br>All other personal services<br>Religious, grantmaking, civic, professional, and<br>similar organizations | 8129<br>81291<br>81292<br>81293<br>81299<br>813 | 1,730<br>500<br>280<br>830<br>130<br>7,340 | 15.6<br>-<br>14.5<br>53.8<br>11.6          | 10.4<br>-<br>10.8<br>53.8<br>6.3 | 1.2<br>-<br>-<br>-<br>3.4   | 4.0<br>-<br>-<br>-<br>.8                            | 2.3<br>-<br>3.6<br>-<br>8.9  | 24.9<br>38.0<br>14.3<br>22.9<br>-<br>22.9 | 3.5<br>-<br>-<br>4.8<br>-<br>5.3                     |  |  |  |

|  | Percent of industry case total involving — |                              |                             |   |                                       |                                      |                        |                                     |                             |                              |                              |                                       |  |
|--|--|------------------------------|-----------------------------|---|---------------------------------------|--------------------------------------|------------------------|-------------------------------------|-----------------------------|------------------------------|------------------------------|---------------------------------------|--|
|  | Overe                                      | xertion                      |                             | Expo-   |                                       | ortation                             |                        | A                                   | ssaults and                 | d violent ad                 | cts                          |                                       |  |
|  |  |                              |                             | sure<br>to  | acci                                  | dents                                | Fires                  |                                     |                             | All other                    | assaults                     |                                       |  |
| Industry <sup>3</sup>  | Total                                      |                              | Repeti-<br>tive<br>motion   | harmful<br>sub-<br>stance<br>or<br>environ-<br>ment | Total                                 | Highway<br>accident                  | and<br>explo-<br>sions | Total                               | Assaults<br>by<br>person    | All<br>other<br>assaults     | Assaults<br>by<br>animal     | All<br>other<br>events <sup>5,6</sup> |  |
| Other personal services<br>Pet care (except veterinary) services<br>Photofinishing<br>Parking lots and garages<br>All other personal services<br>Religious, grantmaking, civic, professional, and<br>similar organizations | 15.0<br>-<br>18.1<br>-<br>11.9             | 8.7<br>-<br>12.0<br>-<br>6.4 | 2.3<br>-<br>3.6<br>-<br>1.6 | 1.7<br>-<br>2.4<br>-<br>14.6                        | 19.1<br>-<br>57.1<br>18.1<br>-<br>5.2 | 12.7<br>-<br>57.1<br>6.0<br>-<br>3.1 | -<br>-<br>-<br>-<br>-  | 9.8<br>28.0<br>-<br>3.6<br>-<br>6.0 | 1.7<br>-<br>3.6<br>-<br>1.0 | 8.1<br>28.0<br>-<br>-<br>5.0 | 8.1<br>28.0<br>-<br>-<br>5.0 | 6.9<br>-<br>-<br>10.8<br>-<br>12.1    |  |

<sup>1</sup> Days-away-from-work cases include those that resulted in days away from work, some of which also included job transfer or restriction.

which also included job transfer or restriction. <sup>2</sup> Data shown in columns correspond to the following Event codes: Contact with objects, Total = 00-09; Struck by object = 020-029; Struck against object = 010-019; Caught in or compressed or crushed = 030-049; Fall to lower level = 110-119; Fall on same level = 130-139; Slips or trips without fall = 215; Overexertion, Total = 220-229; In lifting = 221; Repetitive motion = 230-239; Exposure to harmful substance or environment = 30-39; Transportation accidents = 40-49; Highway accident = 41; Fires and explosions = 50-52; Assaults and violent acts, Total = 60-63; Assaults by person = 61; All other assaults = 60, 62, and 63; Assaults by animal = 63; All other events = all remaining codes, including 9999 (Nonclassifiable). These codes are based on the 1992 Occupational Injury and Illness Classification System developed by the Bureau of Labor Statistics.

<sup>3</sup> Totals include data for industries not shown separately.

<sup>4</sup> North American Industry Classification System — United States, 2002

 $^{5}$  Selected estimates for this category were affected by the March 2009 revision, see note below.

<sup>6</sup> Includes nonclassifiable responses.

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

<sup>8</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 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>9</sup> Data for mining operators in this industry are provided to BLS by the Mine Safety and Health Administration, U.S. Department of Labor. Independent mining contractors are excluded. 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>10</sup> Data for employers in rail transportation are provided to BLS by the Federal Railroad

<sup>10</sup> Data for employers in rail transportation are provided to BLS by the Federal Railroad Administration, U.S. Department of Transportation.

<sup>11</sup> Data too small to be displayed.

NOTE: Dash indicates data do not meet publication guidelines. Because of rounding and data exclusion of nonclassifiable responses, data may not sum to the totals.

This table was reissued in March 2009 to revise selected estimates within the Mining (NAICS 21) and Railroad Transportation (NAICS 482) industries, and in their respective higher level industry sectors. Characteristic categories affected by the revisions, that appear in this table, are footnoted.

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