2015 Nonfatal Occupational Injuries and Illnesses: Cases with days of job transfer or restriction

Survey of Occupational Injuries and Illnesses
February 2017
Concepts

• Recordable non-fatal occupational injuries and illnesses are classified under three major categories:
  – *Days of Job Transfer or Restriction (DJTR)*: those that do not require a full day to recuperate, but involve a temporary transfer to another job or restricted duty and no days away from work.
  
  – *Days Away From Work (DAFW)*: those that require one or more days away from work. (These cases may also have days of job transfer or work restriction.)
  
  – *Other Recordable Cases (ORC)*: other recordable cases—those with neither days away from work nor days of job transfer or restricted work.

• The sum of DJTR and DAFW cases are termed days away from work, job transfer, or restriction (DART) cases. That is: $\text{DART} = \text{DJTR} + \text{DAFW}$. 

Nonfatal occupational injury and illness case counts by case type, private industry, 1992-2015

Industries

Establishments in six private industry sub-sectors (*North American Industry Classification System, 2012*) were requested to submit detailed case characteristics of work injuries or illnesses on 2015 DJTR cases in addition to the case data for DAFW.

- Beverage and tobacco product manufacturing (NAICS 312)
- General merchandise stores (NAICS 452)
- Couriers and messengers (NAICS 492)
- Waste managements and remediation services (NAICS 562)
- Hospitals (NAICS 622)
- Accommodation (NAICS 721)

Distribution of DART cases by DJTR and DAFW by industry, 2015

Chart3_data

Median DJTR and number of workers by age of worker, beverage & tobacco product manufacturing industry, 2015

Median DJTR and number of workers by age of worker, general merchandise stores industry, 2015

Median DJTR and number of workers by age of worker, couriers and messengers industry, 2015

Median DJTR and number of workers by age of worker, waste management and remediation services industry, 2015

Median days away from work

- 65 years and older: 65 days
- 55 to 64 years: 13 days
- 45 to 54 years: 11 days
- 35 to 44 years: 9 days
- 25 to 34 years: 8 days
- 20 to 24 years: 14 days
- 16 to 19 years: 5 days

Number of workers

- 65 years and older: 50
- 55 to 64 years: 630
- 45 to 54 years: 1,040
- 35 to 44 years: 1,110
- 25 to 34 years: 1,260
- 20 to 24 years: 290
- 16 to 19 years: 70

Median DJTR and number of workers by age of worker, hospitals industry, 2015

Median days away from work by age group:
- 65 years and older: 19 days
- 55 to 64 years: 17 days
- 45 to 54 years: 17 days
- 35 to 44 years: 15 days
- 25 to 34 years: 14 days
- 20 to 24 years: 12 days
- 16 to 19 years: 8 days
- 15 years and older: 8 days

Number of workers by age group:
- 65 years and older: 900 workers
- 55 to 64 years: 7,420 workers
- 45 to 54 years: 9,370 workers
- 35 to 44 years: 8,630 workers
- 25 to 34 years: 8,770 workers
- 20 to 24 years: 2,960 workers
- 16 to 19 years: 160 workers

Hospital: Median days of job transfer or restriction = 15
Total number = 38,580

Median DJTR and number of workers by age of worker, accommodation industry, 2015

A nursing aide strains her back from overexertion while lifting a patient.

Each injury or illness is described from four viewpoints. The Occupational Injury and Illness Classification System (OIICS) version 2.01 was utilized to code narrative.
Median days and incidence rate for DJTR cases by nature of injury or illness, beverage & tobacco product manufacturing industry, 2015

Median days and incidence rate for DJTR cases by nature of injury or illness, general merchandise stores industry, 2015

Median days and incidence rate for DJTR cases by nature of injury or illness, couriers & messengers industry, 2015

Couriers and messengers:
Median days of job transfer or restriction = 17
Incidence rate = 237

<table>
<thead>
<tr>
<th>Nature of Injury or Illness</th>
<th>Median Days Away from Work</th>
<th>Incidence Rate per 10,000 Full-Time Workers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sprains, strains, tears</td>
<td>37</td>
<td>128</td>
</tr>
<tr>
<td>Fractures</td>
<td>30</td>
<td>9</td>
</tr>
<tr>
<td>Carpal tunnel syndrome</td>
<td>28</td>
<td>1</td>
</tr>
<tr>
<td>Tendonitis</td>
<td>18</td>
<td>2</td>
</tr>
<tr>
<td>Multiple injuries with sprains</td>
<td>17</td>
<td>5</td>
</tr>
<tr>
<td>Soreness, pain</td>
<td>15</td>
<td>26</td>
</tr>
<tr>
<td>Multiple traumatic injuries</td>
<td>15</td>
<td>9</td>
</tr>
<tr>
<td>Bruises, contusions</td>
<td>11</td>
<td>23</td>
</tr>
<tr>
<td>Cuts, lacerations</td>
<td>11</td>
<td>23</td>
</tr>
<tr>
<td>Cuts, lacerations, punctures</td>
<td>11</td>
<td>9</td>
</tr>
<tr>
<td>Punctures (except gunshot wounds)</td>
<td>7</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>
Median days and incidence rate for DJTR cases by nature of injury or illness, waste management & remediation services industry, 2015


Waste management & remediation services:
Median days of job transfer or restriction = 9
Incidencerate = 115
Median days and incidence rate for DJTR cases by nature of injury or illness, hospital industry, 2015

Median days and incidence rate for DJTR cases by nature of injury or illness, accommodation industry, 2015

<table>
<thead>
<tr>
<th>Nature of Injury or Illness</th>
<th>Median Days Away from Work</th>
<th>Rate per 10,000 Full-Time Workers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carpal tunnel syndrome</td>
<td>95</td>
<td>Less than 1</td>
</tr>
<tr>
<td>Tendonitis</td>
<td>37</td>
<td>Less than 1</td>
</tr>
<tr>
<td>Fractures</td>
<td>33</td>
<td>Less than 1</td>
</tr>
<tr>
<td>Multiple injuries with sprains</td>
<td>17</td>
<td>Less than 1</td>
</tr>
<tr>
<td>Sprains, strains, tears</td>
<td>16</td>
<td>Less than 1</td>
</tr>
<tr>
<td>Soreness, pain</td>
<td>14</td>
<td>2</td>
</tr>
<tr>
<td>Punctures (except gunshot wounds)</td>
<td>13</td>
<td>2</td>
</tr>
<tr>
<td>Multiple traumatic injuries</td>
<td>11</td>
<td>Less than 1</td>
</tr>
<tr>
<td>Bruises, contusions</td>
<td>10</td>
<td>Less than 1</td>
</tr>
<tr>
<td>Chemical burns and corrosions</td>
<td>9</td>
<td>19</td>
</tr>
<tr>
<td>Cuts, lacerations</td>
<td>9</td>
<td>Less than 1</td>
</tr>
<tr>
<td>Cuts, lacerations, punctures</td>
<td>9</td>
<td>13</td>
</tr>
<tr>
<td>Amputations</td>
<td>5</td>
<td>Less than 1</td>
</tr>
<tr>
<td>Heat (thermal) burns</td>
<td>4</td>
<td>Less than 1</td>
</tr>
<tr>
<td>Soreness, pain</td>
<td>1</td>
<td>Less than 1</td>
</tr>
<tr>
<td>Sprains, strains, tears</td>
<td>9</td>
<td>Less than 1</td>
</tr>
<tr>
<td>Fractures</td>
<td>9</td>
<td>Less than 1</td>
</tr>
<tr>
<td>Tendonitis</td>
<td>5</td>
<td>Less than 1</td>
</tr>
<tr>
<td>Cuts, lacerations</td>
<td>4</td>
<td>Less than 1</td>
</tr>
</tbody>
</table>

Accommodation:
- Median days of job transfer or restriction = 14
- Incidence rate = 128

Distribution of musculoskeletal disorders in DART cases by DJTR and DAFW by industry, 2015


Chart17_data
Incidence rate of sprains, strains and tears cases by DJTR and DAFW, 2015

<table>
<thead>
<tr>
<th>Industry</th>
<th>DJTR</th>
<th>DAFW</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beverage &amp; tobacco product</td>
<td></td>
<td></td>
</tr>
<tr>
<td>manufacturing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>General merchandise stores</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Couriers and messengers</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Waste management &amp; remediation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>services</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hospitals</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Accommodation</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Incidence rate of bruises and contusion cases by DJTR and DAFW, 2015

Number of bruises and contusion cases by DJTR and DAFW, 2015

Chart19_data
Incidence rate of soreness and pain cases by DJTR and DAFW, 2015

Number of cases

Median days and incidence rate for DJTR cases by event or exposure, beverage & tobacco product manufacturing industry, 2015

Beverage & tobacco product manufacturing:
Median days of job transfer or restriction = 12
Incidence rate = 239

<table>
<thead>
<tr>
<th>Event/Exposure</th>
<th>Median Days</th>
<th>Rate per 10,000 full-time workers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Repetitive motion involving microtasks</td>
<td>6</td>
<td>115</td>
</tr>
<tr>
<td>Overexertion and bodily reaction</td>
<td>12</td>
<td>48</td>
</tr>
<tr>
<td>Overexertion in lifting or lowering</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>Slips, trips without fall</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>Fall to lower level</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>Caught in or compressed by object or equipment</td>
<td>10</td>
<td>70</td>
</tr>
<tr>
<td>Transportation incidents</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>Struck by object or equipment</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>Contact with object, equipment</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>Struck against object or equipment</td>
<td>7</td>
<td>40</td>
</tr>
<tr>
<td>Falls, slips, trips</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>Fall on same level</td>
<td>5</td>
<td>23</td>
</tr>
<tr>
<td>Exposure to harmful substances or environments</td>
<td>3</td>
<td>3</td>
</tr>
</tbody>
</table>


Chart21_data
Median days and incidence rate for DJTR cases by event or exposure, general merchandise stores industry, 2015

General merchandise stores:
- Median days of job transfer or restriction = 17
- Incidence rate = 153

Median days and incidence rate for DJTR cases by event or exposure, couriers and messengers industry, 2015

- **Median days of job transfer or restriction**: 17
- **Incidence rate**: 237

**Exposure to harmful substances or environments**: 58

**Caught in or compressed by objects or equipment**: 122

**Slips, trips without fall**: 46

**Falls, slips, trips**: 45

**Fall to lower level**: 35

**Overexertion in lifting or lowering**: 21

**Fall on same level**: 15

**Transportation incidents**: 6

**Struck by object or equipment**: 12

**Struck against object or equipment**: 10

**Contact with object, equipment**: 2

**Overexertion and bodily reaction**: 8

**Intentional injury by other person**: 1

**Repetitive motion involving microtasks**: 6

**Rate per 10,000 full-time workers**

Median days and incidence rate for DJTR cases by event or exposure, waste management & remediation services industry, 2015

Waste management & remediation services:
Median days of job transfer or restriction = 9
Incidencerate = 115

Median days and incidence rate for DJTR cases by event or exposure, hospital industry, 2015


Chart25_data
Median days and incidence rate for DJTR cases by event or exposure, accommodation industry, 2015