2014 Nonfatal Occupational Injuries and Illnesses: Cases with days of job transfer or restriction

Survey of Occupational Injuries and Illnesses

March 2016
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: DART = DJTR + DAFW.
In 1992, DJTR cases accounted for a relatively small share of DART cases—21 percent were DJTR cases while 79 percent were the more serious DAFW cases. By 2014, the share of DJTR cases had nearly doubled to 42 percent of DART cases.
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 2014 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, 2014

Number and incidence rate of DJTR and DAFW in the beverage & tobacco product manufacturing industry, 2003-2014

Number of cases

![Graph showing number of cases from 2003 to 2014 for DJTR and DAFW](chart1)

Incidence rates

![Graph showing incidence rates from 2003 to 2014 for DJTR and DAFW](chart2)

*Days away from work data did not meet publication guidelines.

Number and incidence rate of DJTR and DAFW in the general merchandise stores industry, 2003-2014

Number and incidence rate of DJTR and DAFW in the couriers and messengers industry, 2003-2014

Number and incidence rate of DJTR and DAFW in the waste management & remediation services industry, 2003-2014

Number and incidence rate of DJTR and DAFW in the hospital industry, 2003-2014

Number of cases

Incidence rate

Number and incidence rate of DJTR and DAFW in the accommodation industry, 2003-2014

Number of cases

<table>
<thead>
<tr>
<th>Year</th>
<th>DJTR</th>
<th>DAFW</th>
</tr>
</thead>
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<tr>
<td>2014</td>
<td>12</td>
<td>8</td>
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</table>

Incidence rate (per 100 full-time workers)

<table>
<thead>
<tr>
<th>Year</th>
<th>DJTR</th>
<th>DAFW</th>
</tr>
</thead>
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<tr>
<td>2004</td>
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<tr>
<td>2007</td>
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<td>0.4</td>
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<tr>
<td>2009</td>
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<tr>
<td>2011</td>
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<tr>
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<tr>
<td>2013</td>
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<td>0.4</td>
</tr>
<tr>
<td>2014</td>
<td>0.5</td>
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</tbody>
</table>

Median DJTR and number of workers by age of worker, beverage & tobacco product manufacturing industry, 2014

Beverage & tobacco product manufacturing:
Median days of job transfer or restriction = 14
Total number = 4,530

Median days of job transfer or restriction

- 65 years and older
  - 50 cases

- 55 to 64 years
  - 390 cases

- 45 to 54 years
  - 880 cases

- 35 to 44 years
  - 1,400 cases

- 25 to 34 years
  - 1,440 cases

- 20 to 24 years
  - 210 cases

- 16 to 19 years
  - 60 cases

Median DJTR and number of workers by age of worker, general merchandise stores industry, 2014

Median DJTR and number of workers by age of worker, courier and messengers industry, 2014

- 16 to 19 years: 20, 55 to 64 years: 620, 45 to 54 years: 2,110
- 20 to 24 years: 2,310, 35 to 44 years: 2,290
- 25 to 34 years: 1,360, 45 to 54 years: 430, 20 to 24 years: 1,100
- 65 years and older: 20, 55 to 64 years: 620, 45 to 54 years: 2,110

Median DJTR and number of workers by age of worker, waste management & remediation services industry, 2014

Waste management & remediation services: Median days of job transfer or restriction = 10
Total number = 4,540

Median DJTR and number of workers by age of worker, hospital industry, 2014

Median DJTR and number of workers by age of worker, accommodation industry, 2014

Accommodation:
Median days of job transfer or restriction = 12
Total number = 17,810

<table>
<thead>
<tr>
<th>Age Range</th>
<th>16 to 19 years</th>
<th>20 to 24 years</th>
<th>25 to 34 years</th>
<th>35 to 44 years</th>
<th>45 to 54 years</th>
<th>55 to 64 years</th>
<th>65 years and older</th>
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<tr>
<td>Number of cases</td>
<td>360</td>
<td>1,910</td>
<td>3,070</td>
<td>3,430</td>
<td>3,600</td>
<td>3,310</td>
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<td>Median days</td>
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<td>8</td>
<td>12</td>
<td>12</td>
<td>12</td>
<td>20</td>
<td>15</td>
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</tbody>
</table>

A nursing aide strains her back from overexertion while lifting a patient.
Median days and incidence rate for DJTR cases by nature of injury or illness, beverage & tobacco product manufacturing industry, 2014

Median days and incidence rate for DJTR cases by nature of injury or illness, general merchandise stores industry, 2014

Median days of job transfer or restriction:
- General merchandise stores: 19 days
- Incidence rate = 161.2 cases per 10,000 full-time workers

Incidence rates (per 10,000 full-time workers):
- Carpal tunnel syndrome: 91
- Multiple injuries with fractures: 36
- Sprains, strains, tears: 32
- Multiple injuries with sprains: 27
- Multiple traumatic injuries: 23
- Amputations: 21
- Soreness, pain: 21
- Bruises, contusions: 20
- Cuts, lacerations, punctures: 19
- Tendonitis: 15
- Cuts, lacerations: 10
- Heat (thermal) burns: 9
- Chemical burns and corrosions: 8
- Punctures (except gunshot wounds): 7
- Fractures: 7

Median days and incidence rate for DJTR cases by nature of injury or illness, couriers & messengers industry, 2014

Median days and incidence rate for DJTR cases by nature of injury or illness, waste management & remediation services industry, 2014

Median days and incidence rate for DJTR cases by nature of injury or illness, hospital industry, 2014

- Fractures: 66
- Carpal tunnel syndrome: 11
- Multiple injuries with fractures: 3
- Soreness, pain: 1
- Multiple injuries with sprains: 2
- Multiple traumatic injuries: 2
- Tendonitis: 1
- Sprains, strains, tears: Less than 1
- Bruises, contusions: Less than 1
- Cuts, lacerations: Less than 1
- Cuts, lacerations, punctures: 2
- Chemical burns and corrosions: Less than 1
- Heat (thermal) burns: 1
- Punctures (except gunshots): Less than 1

Hospital: Median days of job transfer or restriction = 14
Incidence rate = 103

Median days and incidence rate for DJTR cases by nature of injury or illness, accommodation industry, 2014

- **Heat (thermal) burns**: 29 days, Incidence rate = 39.6 Rate per 10,000 full-time workers
- **Punctures (except gunshots)**: 14 days, Incidence rate = 14.4 Rate per 10,000 full-time workers
- **Carpal tunnel syndrome**: 14 days, Incidence rate = 14.4 Rate per 10,000 full-time workers
- **Cuts, lacerations, punctures**: 16 days, Incidence rate = 16.1 Rate per 10,000 full-time workers
- **Cuts, lacerations**: 16 days, Incidence rate = 16.1 Rate per 10,000 full-time workers
- **Bruises, contusions**: 9 days, Incidence rate = 9.1 Rate per 10,000 full-time workers
- **Soreness, pain**: 8 days, Incidence rate = 8.1 Rate per 10,000 full-time workers
- **Sprains, strains, tears**: 8 days, Incidence rate = 8.1 Rate per 10,000 full-time workers
- **Sprains, strains, tears**: 7 days, Incidence rate = 7.1 Rate per 10,000 full-time workers
- **Multiple traumatic injuries**: 6 days, Incidence rate = 6.1 Rate per 10,000 full-time workers
- **Multiple injuries with sprains**: 5 days, Incidence rate = 5.1 Rate per 10,000 full-time workers
- **Multiple injuries with fractures**: 4 days, Incidence rate = 4.1 Rate per 10,000 full-time workers
- **Fractures**: 3 days, Incidence rate = 3.1 Rate per 10,000 full-time workers
- **Tendonitis**: 3 days, Incidence rate = 3.1 Rate per 10,000 full-time workers
- **Chemical burns and corrosions**: 3 days, Incidence rate = 3.1 Rate per 10,000 full-time workers
- **Tendonitis**: Less than 1 day, Incidence rate = Less than 1 Rate per 10,000 full-time workers
- **Fractures**: Less than 1 day, Incidence rate = Less than 1 Rate per 10,000 full-time workers
- **Sprains, strains, tears**: Less than 1 day, Incidence rate = Less than 1 Rate per 10,000 full-time workers
- **Soreness, pain**: Less than 1 day, Incidence rate = Less than 1 Rate per 10,000 full-time workers
- **Bruises, contusions**: Less than 1 day, Incidence rate = Less than 1 Rate per 10,000 full-time workers
- **Punctures (except gunshots)**: Less than 1 day, Incidence rate = Less than 1 Rate per 10,000 full-time workers
- **Heat (thermal) burns**: Less than 1 day, Incidence rate = Less than 1 Rate per 10,000 full-time workers

Accommodation:
- **Median days of job transfer or restriction**: 12 days
- **Incidence rate**: 121.3 Rate per 10,000 full-time workers

Distribution of musculoskeletal disorders in DART cases by DJTR and DAFW by industry, 2014

Rate of sprains, strains and tears by DJTR and DAFW, 2014

Number of sprains, strains and tears by DJTR and DAFW, 2014
Rate of soreness and pain by DJTR and DAFW case types, 2014

Number of soreness and pain by DJTR and DAFW, 2014
Median days and incidence rate for DJTR cases by event or exposure, beverage & tobacco product manufacturing industry, 2014

Beverage & tobacco product manufacturing:
Median days of job transfer or restriction = 14
Incidence rate = 231.6

Rate per 10,000 full-time workers

- Repetitive motion involving microtasks: 8
- Caught in or compressed by objects or equipment: 12
- Exposure to harmful substances or environment: 1
- Fall to lower level: 5
- Struck by object or equipment: 26
- Transportation incidents: 6
- Falls, slips, trips: 31
- Contact with object, equipment: 53
- Overexertion in lifting or lowering: 53
- Overexertion and bodily reaction: 140
- Slips, trips without fall: 8
- Fall on same level: 18
- Struck against object or equipment: 13

Median days of job transfer or restriction

Median days and incidence rate for DJTR cases by event or exposure, general merchandise stores industry, 2014

Repetitive motion involving microtasks
Intentional injury by other person
Overexertion in lifting or lowering
Overexertion and bodily reaction
Fall on same level
Falls, slips, trips
Fall to lower level
Transportation incidents
Slips, trips without fall
Struck by object or equipment
Caught in or compressed by objects or equipment
Contact with object, equipment
Struck against object or equipment
Exposure to harmful substances or environment

Median days and incidence rate for DJTR cases by event or exposure, couriers and messengers industry, 2014

- Transportation incidents: 108 rate
- Repetitive motion involving microtasks: 4
- Overexertion and bodily reaction: 11
- Fall on same level: 19
- Overexertion in lifting or lowering: 41
- Falls, slips, trips: 40
- Caught in or compressed by objects or equipment: 9
- Slips, trips without fall: 13
- Struck by object or equipment: 30
- Contact with object, equipment: 54
- Fall to lower level: 13
- Struck against object or equipment: 9
- Exposure to harmful substances or environment: 2

Couriers and messengers:
- Median days of job transfer or restriction = 16
- Incidence rate = 219.5

Median days and incidence rate for DJTR cases by event or exposure, waste management & remediation services industry, 2014

Waste management & remediation services:
Median days of job transfer or restriction = 10
Incidence rate = 116.9

- Transportation incidents
  - Fall on same level: 5
  - Repetitive motion involving microtasks: 2
  - Overexertion in lifting or lowering: 10
- Slips, trips without fall
  - Falls, slips, trips: 7
  - Fall to lower level: 3
- Overexertion and bodily reaction
  - Struck by object or equipment: 16
  - Caught in or compressed by objects or equipment: 20
  - Contact with object, equipment: 5
- Struck against object or equipment: 6
- Exposure to harmful substances or environment: 2

Median days and incidence rate for DJTR cases by event or exposure, hospital industry, 2014

Median days and incidence rate for DJTR cases by event or exposure, accommodation industry, 2014

Accommodation:
- Median days of job transfer or restriction = 12
- Incidence rate = 121.3

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<thead>
<tr>
<th>Event/Exposure</th>
<th>Median days</th>
<th>Incidence rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Caught in or compressed by objects or equipment</td>
<td>3</td>
<td>Less than 1</td>
</tr>
<tr>
<td>Exposure to harmful substances or environment</td>
<td>5</td>
<td>1</td>
</tr>
<tr>
<td>Intentional injury by other person</td>
<td>7</td>
<td>2</td>
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<tr>
<td>Struck against object or equipment</td>
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<td>Struck by object or equipment</td>
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<td>Overexertion in lifting or lowering</td>
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<td>Slips, trips without fall</td>
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<td>Falls, slips, trips</td>
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<td>Repetitive motion involving microtasks</td>
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