

# Oregon Forest Industry: A Comparison of Occupational Safety and Health Measures, 2008

Information Management Division

Department of Consumer & Business Services

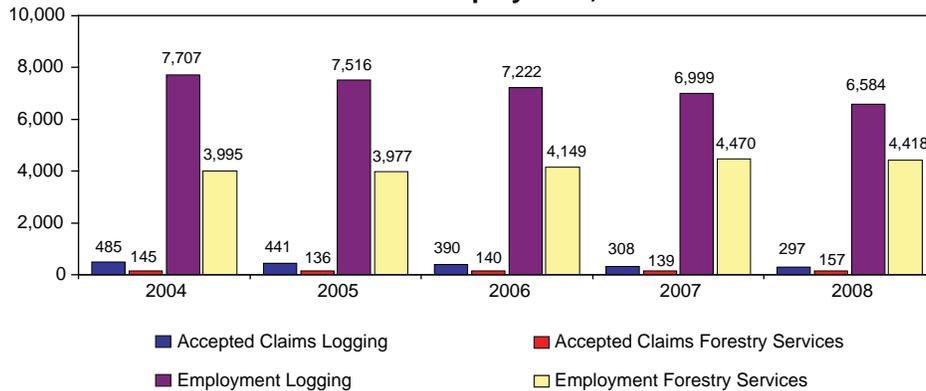
May 2010

By [Karen Howard](#)

The **Logging Industry (NAICS<sup>1</sup> 113310)** primarily involves harvesting of timber on long production cycles (10 or more years) and often requires specialized machinery unique to the industry in varied terrains and settings. Establishments within the industry are typically focused in one or more of the following: (1) cutting timber, (2) cutting and transporting timber, and (3) producing wood chips in the field. Shorter cycle products (e.g., Christmas trees) are generally more horticulture in nature and are categorized outside of Forestry and Logging.

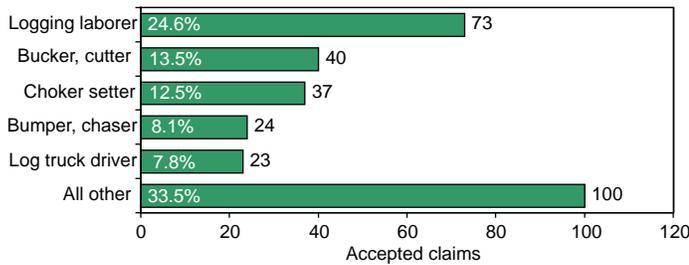
The **Forestry Services Industry (NAICS 115310)** comprises companies primarily engaged in particular support activities related to timber production such as wood technology, marketing, and forest protection. Support activities may include: (1) estimating timber, (2) forest firefighting, (3) forest pest control, and/or (4) consulting on wood attributes and reforestation.

**Logging and forestry services,  
Oregon accepted disabling workers' compensation  
claims and employment, 2004-2008**

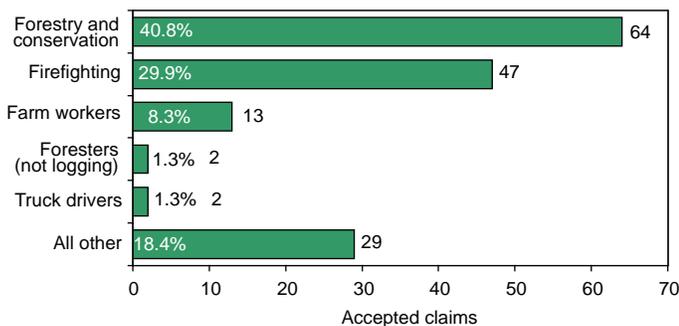


**Occupations with the most Oregon workers' compensation claims by industry, 2008**

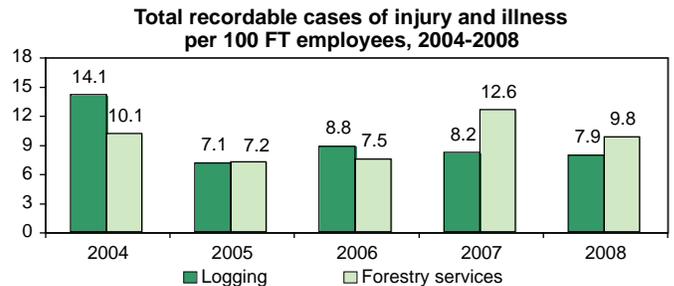
**Logging (NAICS 113310)**



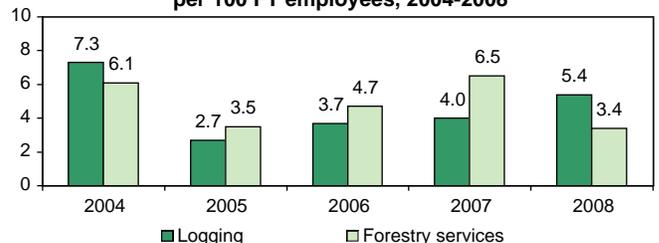
**Forestry services (NAICS 115310)**



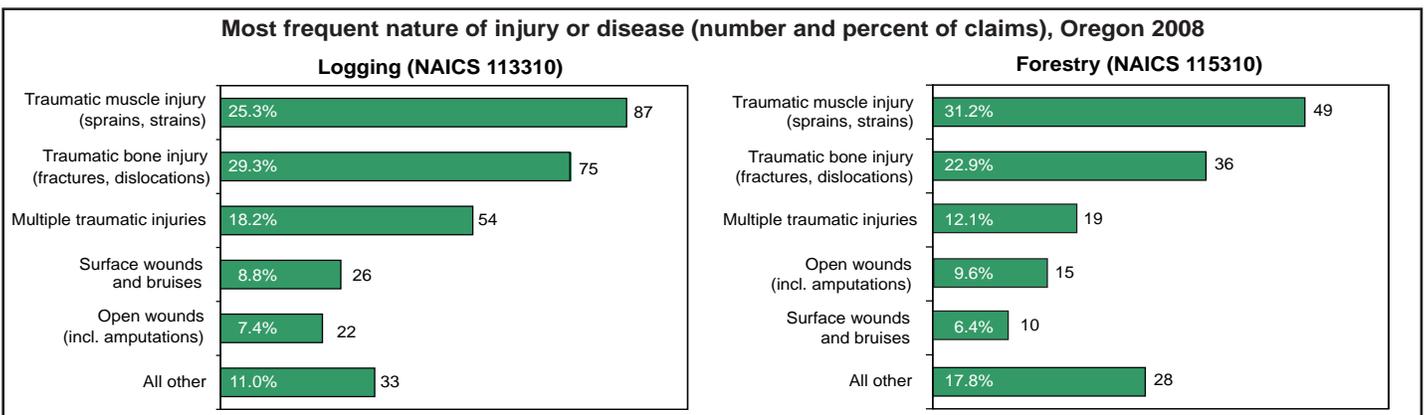
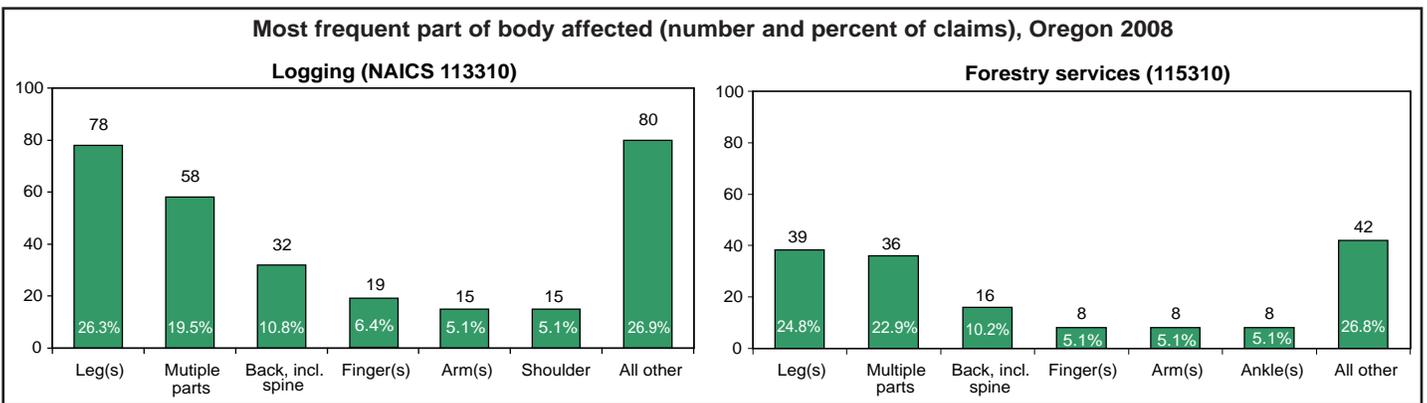
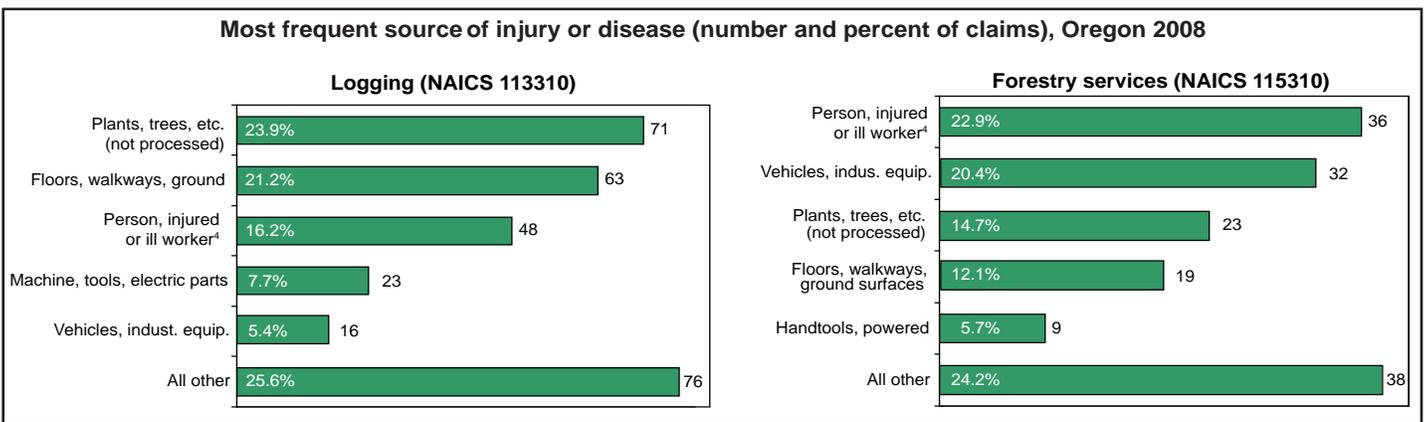
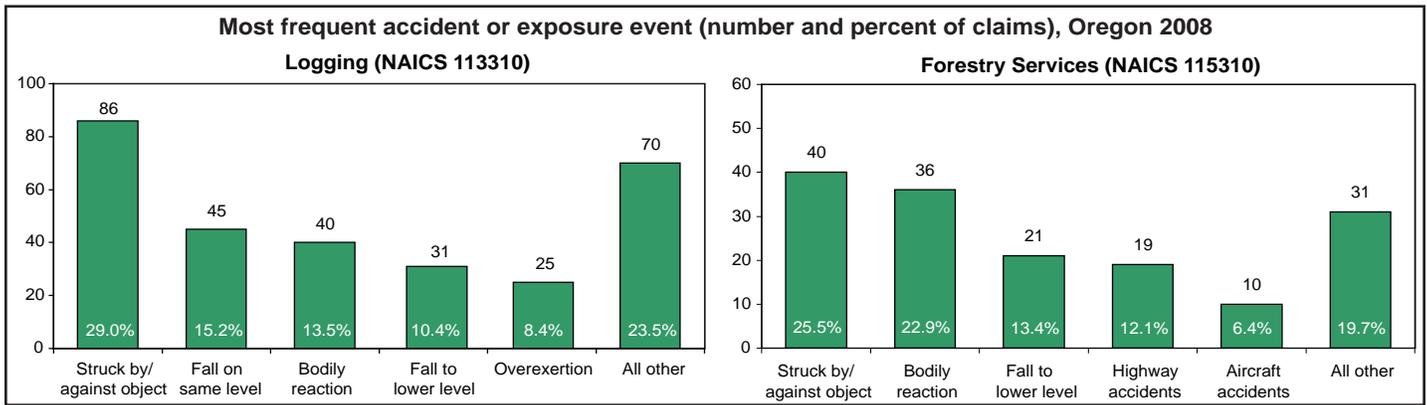
**Survey<sup>2</sup> of occupational injury and illness, incidence rates, Oregon 2004-2008**



**Days away from work, restriction, or job transfer (DART) per 100 FT employees, 2004-2008**



**Compensable workers' compensation claim characteristics** – The Department of Consumer and Business Services uses the Bureau of Labor Statistics' Occupational Injury and Illness Classification System (OIICS) to record accident and injury data. OIICS tracks occupational injuries, illnesses, and fatalities according to the event or exposure and source that led to an injury or illness as well as the nature of injury or illness and parts of the body affected.<sup>3</sup>



**Summary table of Oregon employment, accepted disabling workers' compensation claims and fatalities,  
logging and forestry services compared with statewide data, 1984-2008**

| Year | Employment <sup>5</sup> |         |              | Accepted disabling claims <sup>6</sup> |         |              | Accepted disabling claims RATE<br>(ADC's per 100 employees) |         |              | Fatal claims |         |              | Fatality RATE<br>(fatals per 100,000 employees) |         |              |
|------|-------------------------|---------|--------------|--|---------|--------------|---|---------|--------------|--------------|---------|--------------|---|---------|--------------|
|      | State                   | Logging | Forest serv. | State                                  | Logging | Forest serv. | State   | Logging | Forest serv. | State        | Logging | Forest serv. | State   | Logging | Forest serv. |
| 1984 | 1,013,700               | 12,843  | 2,238        | 37,702                                 | 2,119   | 383          | 3.7   | 16.5    | 17.1         | 83           | 18      | 1            | 8.2   | 140.2   | 44.7         |
| 1985 | 1,034,600               | 12,067  | 2,096        | 38,808                                 | 2,075   | 253          | 3.8   | 17.2    | 12.1         | 84           | 27      | 0            | 8.1   | 223.8   | -            |
| 1986 | 1,064,000               | 12,182  | 2,274        | 40,157                                 | 1,922   | 229          | 3.8   | 15.8    | 10.1         | 84           | 25      | 4            | 7.9   | 205.2   | 175.9        |
| 1987 | 1,105,200               | 12,458  | 2,445        | 41,033                                 | 1,645   | 263          | 3.7   | 13.2    | 10.8         | 78           | 15      | 0            | 7.1   | 120.4   | -            |
| 1988 | 1,161,100               | 13,035  | 2,537        | 43,660                                 | 1,835   | 314          | 3.8   | 14.1    | 12.4         | 81           | 22      | 2            | 7.0   | 168.8   | 78.8         |
| 1989 | 1,214,900               | 12,611  | 2,888        | 39,170                                 | 1,463   | 228          | 3.2   | 11.6    | 7.9          | 76           | 22      | 1            | 6.2   | 174.5   | 34.6         |
| 1990 | 1,258,600               | 11,425  | 3,069        | 35,857                                 | 1,202   | 234          | 2.8   | 10.5    | 7.6          | 64           | 19      | 1            | 5.1   | 166.3   | 32.6         |
| 1991 | 1,258,600               | 10,007  | 3,000        | 31,479                                 | 878     | 170          | 2.5   | 8.8     | 5.7          | 65           | 13      | 0            | 5.2   | 129.9   | -            |
| 1992 | 1,280,500               | 10,197  | 2,624        | 30,786                                 | 779     | 163          | 2.4   | 7.6     | 6.2          | 63           | 3       | 5            | 4.9   | 29.4    | 190.5        |
| 1993 | 1,317,100               | 9,898   | 2,426        | 30,741                                 | 766     | 113          | 2.3   | 7.7     | 4.7          | 64           | 11      | 1            | 4.9   | 111.1   | 41.2         |
| 1994 | 1,378,800               | 9,138   | 2,683        | 31,530                                 | 663     | 173          | 2.3   | 7.3     | 6.4          | 55           | 7       | 1            | 4.0   | 76.6    | 37.3         |
| 1995 | 1,431,600               | 9,079   | 2,773        | 30,564                                 | 639     | 121          | 2.1   | 7.0     | 4.4          | 48           | 3       | 2            | 3.4   | 33.0    | 72.1         |
| 1996 | 1,487,300               | 8,869   | 2,970        | 28,389                                 | 605     | 139          | 1.9   | 6.8     | 4.7          | 54           | 9       | 0            | 3.6   | 101.5   | -            |
| 1997 | 1,547,800               | 8,625   | 3,027        | 27,922                                 | 509     | 110          | 1.8   | 5.9     | 3.6          | 43           | 1       | 0            | 2.8   | 11.6    | -            |
| 1998 | 1,576,100               | 8,084   | 3,024        | 27,020                                 | 490     | 104          | 1.7   | 6.1     | 3.4          | 52           | 7       | 0            | 3.3   | 86.6    | -            |
| 1999 | 1,602,700               | 7,908   | 3,212        | 25,769                                 | 513     | 118          | 1.6   | 6.5     | 3.7          | 47           | 2       | 1            | 2.9   | 25.3    | 31.1         |
| 2000 | 1,627,600               | 7,868   | 3,494        | 25,325                                 | 486     | 114          | 1.6   | 6.2     | 3.3          | 45           | 9       | 0            | 2.8   | 114.4   | -            |
| 2001 | 1,616,400               | 7,528   | 3,934        | 24,607                                 | 457     | 116          | 1.5   | 6.1     | 2.9          | 34           | 5       | 1            | 2.1   | 66.4    | 25.4         |
| 2002 | 1,596,100               | 7,535   | 4,651        | 23,464                                 | 414     | 178          | 1.5   | 5.5     | 3.8          | 52           | 7       | 0            | 3.3   | 92.9    | -            |
| 2003 | 1,585,800               | 7,564   | 5,026        | 21,823                                 | 531     | 169          | 1.4   | 7.0     | 3.4          | 41           | 8       | 8            | 2.6   | 105.8   | 159.2        |
| 2004 | 1,630,500               | 7,707   | 3,995        | 22,320                                 | 485     | 144          | 1.4   | 6.3     | 3.6          | 45           | 8       | 0            | 2.8   | 103.8   | -            |
| 2005 | 1,677,500               | 7,516   | 3,977        | 22,111                                 | 440     | 135          | 1.3   | 5.9     | 3.4          | 31           | 3       | 2            | 1.8   | 39.9    | 50.3         |
| 2006 | 1,734,400               | 7,222   | 4,149        | 23,370                                 | 389     | 138          | 1.3   | 5.4     | 3.3          | 37           | 7       | 0            | 2.1   | 96.9    | -            |
| 2007 | 1,762,700               | 6,999   | 4,470        | 23,431                                 | 308     | 139          | 1.3   | 4.4     | 3.1          | 35           | 3       | 0            | 2.0   | 42.9    | -            |
| 2008 | 1,749,000               | 6,584   | 4,418        | 21,660                                 | 297     | 157          | 1.2   | 4.5     | 3.6          | 45           | 7       | 7            | 2.6   | 106.3   | 158.4        |

**Oregon fatal workers' compensation claims,  
logging and forestry services, 2004-2008**

| Industry          | 2004 | 2005 | 2006 | 2007 | 2008 |
|-------------------|------|------|------|------|------|
| Logging           | 8    | 3    | 7    | 3    | 7    |
| Forestry services | 0    | 2    | 0    | 0    | 7    |

**Description of accepted fatal logging and forestry claims, 2008**

| Accident description                                      | # of Fatal | Gender | Occupation         | NAICS                   | County       |
|---|------------|--------|--------------------|-------------------------|--------------|
| Pickup truck went over embankment                         | 1          | M      | Logging supervisor | 113310 – Logging        | Douglas      |
| Struck by falling tree                                    | 1          | M      | Rigging slinger    | 113310 – Logging        | Lincoln      |
| Burned by flash fire of liquid solvent                    | 1          | M      | Mechanic           | 113310 – Logging        | Clackamas    |
| Skidder went over embankment                              | 1          | M      | Skidder operator   | 113310 – Logging        | Curry        |
| Log truck crashed into back of semi-truck on side of road | 1          | M      | Log truck driver   | 113310 – Logging        | Klamath      |
| Struck by falling snag                                    | 1          | M      | Tree faller        | 113310 – Logging        | Wallowa      |
| Helicopter crashed into mountainside *                    | 1          | M      | Helicopter pilot   | 113310 – Logging        | Out of state |
| Helicopter crashed into mountainside *                    | 7          | M      | Firefighters       | 115310 – Forestry supp. | Out of state |

\*(This was a multiple fatality event involving eight compensable deaths in 2008 – one in Logging and seven in Forestry. This event was the primary reason for the sharp increase in fatalities in forestry from previous years.)

**Endnotes:**

<sup>1</sup> NAICS = North American Industry Classification System, 2002 Edition. Employees of client leasing firms are reported by the industry in which they were working at the time of injury.

<sup>2</sup> The U.S. Bureau of Labor conducts the annual Survey of Occupational Injury and Illness.

<sup>3</sup> Claims characteristics are classified according to the Bureau of Labor Statistics' Occupational Injury and Illness Classification System (OIICS).

<sup>4</sup> The source category "Person, injured or ill worker" refers to actions or motions of the injured worker (twisting, turning, etc.) or conditions such as heart attacks.

<sup>5</sup> Employment figures are based on data from the Oregon Employment Department.

<sup>6</sup> Table includes all accepted disabling claims; data for 1983 are estimated due to a change in the method of processing claims.

Source data are continually updated so results may vary over time.

Source: Information Management Division, Oregon Department of Consumer and Business Services. Last updated March 2010.

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