CONSTRUCTION FATALITIES 2001
Census of Fatal Occupational Injuries
Fatal work injury counts in the private construction industry, 1992-2001
<table>
<thead>
<tr>
<th>Industry Division</th>
<th>Number of Fatalities</th>
<th>Fatality Rate (per 100,000 employed)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction</td>
<td>1,225</td>
<td>13.3</td>
</tr>
<tr>
<td>Transportation</td>
<td>911</td>
<td>11.2</td>
</tr>
<tr>
<td>Services</td>
<td>767</td>
<td>1.9</td>
</tr>
<tr>
<td>Agriculture</td>
<td>740</td>
<td>22.8</td>
</tr>
<tr>
<td>Government</td>
<td>630</td>
<td>3.1</td>
</tr>
<tr>
<td>Manufacturing</td>
<td>599</td>
<td>3.2</td>
</tr>
<tr>
<td>Retail trade</td>
<td>537</td>
<td>2.4</td>
</tr>
<tr>
<td>Wholesale trade</td>
<td>220</td>
<td>4.3</td>
</tr>
<tr>
<td>Mining</td>
<td>170</td>
<td>30.0</td>
</tr>
<tr>
<td>Finance</td>
<td>86</td>
<td>1.0</td>
</tr>
</tbody>
</table>

NOTE: Data exclude fatalities resulting from September 11 terrorist attacks.
Rate = (Fatal work injuries/Employment) x 100,000 workers. Employment data extracted from the 2001 Current Population Survey (CPS). The fatality rates were calculated using employment as the denominator; employment-based rates measure the risk for those employed during a given period of time, regardless of exposure hours.
Occupations in the private construction industry with the highest number of fatalities, 2001

*Selected occupations had a minimum of 40 fatalities and 45,000 employed workers in 2001.*

NOTE: Data exclude fatalities resulting from September 11 terrorist attacks.

Distribution of fatalities in the construction industry and to all workers by event, 2001

**Construction Industry**
- Transportation incidents: 26%
- Contact with objects and equipment: 18%
- Falls: 34%
- Exposure to harmful substances or environments: 16%
- Assaults and violent acts: 4%

**All Workers**
- Transportation incidents: 44%
- Contact with objects and equipment: 16%
- Falls: 14%
- Exposure to harmful substances or environments: 8%
- Assaults and violent acts: 15%
- Fires and explosions: 3%
Distribution of falls to lower level by detailed event, 2001

- Fall from floor, dock, or ground level (to lower level): 17%
- Fall from building girders: 9%
- Fall from ladder: 17%
- Fall from scaffolding, staging: 17%
- Fall from roof: 35%
- Other: 6%
Fatalities in the private construction industry by location, 2001

- Construction site, industrial place or premise: 45%
- Street or highway, excluding road construction: 22%
- Residential construction: 10%
- Road construction: 5%
- Other location: 18%
Fatalities to construction workers and all workers by age, 2001

- Age group: 15 to 24, 25 to 44, 45 to 64, 65 and older
- Percent

### Age group 15 to 24
- All workers: 10%
- Private construction workers: 10%

### Age group 25 to 44
- All workers: 40%
- Private construction workers: 50%

### Age group 45 to 64
- All workers: 30%
- Private construction workers: 20%

### Age group 65 and older
- All workers: 5%
- Private construction workers: 5%
Fatalities to construction workers and all workers by race or ethnicity, 2001

Race or ethnicity

Percent

White
Black
Hispanic
Other

All workers
Private construction workers
Construction Laborers

• High number of fatalities - 349 in 2001
• Fatality rate was 34 per 100,000 workers in 2001
• Leading events - transportation incidents (33%), and falls (26%)
• Hispanic construction laborer fatalities have more than doubled since the Census began in 1992 from 50 to 120 in 2001
Carpenters

- 112 fatalities in 2001
- Fatality rate in 2001 was 8 per 100,000 workers
- Leading event - falls (63%)
- 30% of fatalities are to Hispanic workers
Roofers

- 78 fatalities in 2001
- Fatality rate in 2001 was 36 per 100,000 workers
- Leading events - falls (73%)
- 28\% of fatalities to roofers were to Hispanic workers
Electricians

• 109 fatalities in 2001
• Fatality rate in 2001 was 13 per 100,000 workers
• Leading event - electrocutions (51%)
Structural metal workers

• Highest fatality rate of occupations in construction industry with 58 fatalities per 100,000 workers
• Relatively small number of fatalities with 45 in 2001
• Leading event - falls (89%)
For More Information:

• Access the BLS Internet site:
  http://www.bls.gov/iif/home.htm

• Send e-mail to:
  cfoistaff@bls.gov for fatalities
  oshstaff@bls.gov for non-fatal