ANALYZING WORKPLACE INJURIES IN THE Construction Industry

To eliminate workplace injuries and fatalities, we must understand when, why and how they happen. Having these specific analytics on hand will allow businesses in hazardous industries to target problem areas and initiate solutions that will lower the number of workplace accidents.

The Construction sector is comprised of establishments primarily engaged in the construction of buildings or engineering projects (e.g., highways and utility systems). Construction work may include new work, additions, alterations, or maintenance and repairs.

The highest number of injury incidents in the Construction industry occurred:
- at Noon
- on Wednesday
- in August
- on Multiple Body Parts
- on Males
- within 20-29 Age Group
- in St. Louis County

**RANKED #1 IN THE MOST WORKPLACE FATALITIES**

- Total Fatalities in Top 6 Industries: 69
- Total Fatalities in All Industries: 103

**Top Industries in Workplace Fatalities**
- Construction
- Transportation and Warehousing
- Public Administration
- Manufacturing
- Administrative and Support and Waste Management and Remediation Services
- Healthcare and Social Assistance

**RANKED #6 IN THE MOST LOST TIME INJURY INCIDENTS**

- Total Lost Time Incidents in Top 6 Industries: 6,020
- Total Lost Time Incidents in All Industries: 9,024
- 67% of Lost Time Incidents are in Top 6 Industries

**Top Industries in Lost Time Injury Incidents**
- Manufacturing: 1,270
- Health Care and Social Assistance: 1,145
- Transportation and Warehousing: 1,017
- Retail Trade: 1,003
- Public Administration: 945
- Construction: 640

2018 LS-77 (03-19) AI
Injury Incidents by Time of Day
Most Construction incidents occurred during the Noon hour.

Injury Incidents by Day of the Week
Most Construction incidents occurred on a Wednesday.

<table>
<thead>
<tr>
<th>S</th>
<th>M</th>
<th>T</th>
<th>W</th>
<th>T</th>
<th>F</th>
<th>S</th>
</tr>
</thead>
<tbody>
<tr>
<td>121</td>
<td>958</td>
<td>971</td>
<td>977</td>
<td>938</td>
<td>808</td>
<td>204</td>
</tr>
</tbody>
</table>

Top 10 Injury Incidents by Body Part
In Construction, Multiple Body Parts was the category with the highest number of incidents.

- Multiple Body Parts: 896
- Finger(s)/Thumb(s): 598
- Wrist(s)/Hand(s): 513
- Knee(s)/Lower Leg(s): 485
- Back: 462
- Upper Arm(s)/Shoulder(s): 381
- Ankle(s)/Foot/Feet: 345
- Elbow(s)/Lower Arm(s): 240
- Eye(s): 165
- Head Soft Tissue: 115

Injury Incidents by Gender
In Construction, males had over seven times more incidents than females.

- Male: 615 (12.36%)
- Female: 615 (0.28%)
- Unknown: 14

Injury Incidents by Month
The highest number of Construction incidents occurred in August.

<table>
<thead>
<tr>
<th>JAN</th>
<th>FEB</th>
<th>MAR</th>
</tr>
</thead>
<tbody>
<tr>
<td>411</td>
<td>359</td>
<td>388</td>
</tr>
<tr>
<td>APR</td>
<td>MAY</td>
<td>JUN</td>
</tr>
<tr>
<td>359</td>
<td>476</td>
<td>456</td>
</tr>
<tr>
<td>JUL</td>
<td>AUG</td>
<td>SEP</td>
</tr>
<tr>
<td>478</td>
<td>524</td>
<td>408</td>
</tr>
<tr>
<td>OCT</td>
<td>NOV</td>
<td>DEC</td>
</tr>
<tr>
<td>440</td>
<td>344</td>
<td>334</td>
</tr>
</tbody>
</table>

Unknown: 0.28%
Female: 12.36%
Male: 87.38%
The 20-29 age group had the highest number of incidents in Construction.

### Incidents by Age Group

<table>
<thead>
<tr>
<th>Age Group</th>
<th>Construction</th>
<th>All Industries Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-15</td>
<td>1</td>
<td>61</td>
</tr>
<tr>
<td>16-19</td>
<td>143</td>
<td>4,061</td>
</tr>
<tr>
<td>20-29</td>
<td>1,177</td>
<td>2,4095</td>
</tr>
<tr>
<td>30-39</td>
<td>1,158</td>
<td>21,556</td>
</tr>
<tr>
<td>40-49</td>
<td>1,075</td>
<td>20,020</td>
</tr>
<tr>
<td>50-59</td>
<td>1,049</td>
<td>21,419</td>
</tr>
<tr>
<td>60-69</td>
<td>343</td>
<td>9,218</td>
</tr>
<tr>
<td>70-79</td>
<td>26</td>
<td>1,269</td>
</tr>
<tr>
<td>80-89</td>
<td>4</td>
<td>160</td>
</tr>
<tr>
<td>Unknown</td>
<td>1</td>
<td>11</td>
</tr>
</tbody>
</table>

### Incidents by County

St. Louis County had the most Construction incidents.

### Top 5 Counties with the Most Incidents

- St. Louis County: 1,045
- Jackson: 715
- St. Charles: 333
- Greene: 251
- St. Louis City: 278

Visit safeatwork.mo.gov to learn more ways to keep your workplace safe.