ANALYZING WORKPLACE INJURIES IN THE Manufacturing 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 Manufacturing sector is comprised of establishments engaged in the mechanical, physical or chemical transformation of materials, substances or components into new products.

The highest number of injury incidents in the Manufacturing industry occurred:

- at Noon
- on Wednesday
- in August
- on Multiple Body Parts
- on Males
- within 50-59 Age Group
- in St. Louis County

Ranked #4 in Workplace Fatalities
10 out of 103 Fatalities are in Manufacturing 9.71%

RANKED #2
IN HIGHEST NUMBER OF INJURY INCIDENTS

Top Industries in Number of Injury Incidents

- Health Care and Social Assistance 19,944
- Manufacturing 14,817
- Retail Trade 11,846
- Public Administration 9,228
- Educational Services 8,502
- Accommodation and Food Services 6,006

Total Incidents in Top 6 Industries 70,343
Total Incidents in All Industries 101,870
69% of All Incidents are in Top 6 Industries

RANKED #1
IN THE MOST LOST TIME INJURY INCIDENTS

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

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
Injury Incidents by Time of Day
Most Manufacturing incidents occurred during the Noon hour.

Injury Incidents by Day of the Week
Most Manufacturing 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>516</td>
<td>2,823</td>
<td>2,780</td>
<td>2,840</td>
<td>2,728</td>
<td>2,355</td>
<td>775</td>
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</table>

Top 10 Injury Incidents by Body Part
Multiple body parts were the most injured body part in Manufacturing.

- Multiple Body Parts: 2,297
- Finger(s)/Thumb(s): 2,200
- Wrist(s)/Hand(s): 2,112
- Upper Arm(s)/Shoulder(s): 1,273
- Back: 1,225
- Knee(s)/Lower Leg(s): 1,028
- Elbow(s)/Lower Arm(s): 891
- Ankle(s)/Foot/Feet: 791
- Eye(s): 646
- Abdomen/Groin/Buttocks: 282

Injury Incidents by Gender
In Manufacturing, males had over two times more incidents than females.

- Male: 10,276
- Female: 4,406

Male: 69.36%
Female: 29.74%
Unknown: 0.91%

The highest number of Manufacturing incidents occurred in August.

<table>
<thead>
<tr>
<th>JAN</th>
<th>FEB</th>
<th>MAR</th>
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<tbody>
<tr>
<td>1,207</td>
<td>1,103</td>
<td>1,250</td>
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<table>
<thead>
<tr>
<th>APR</th>
<th>MAY</th>
<th>JUN</th>
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<tbody>
<tr>
<td>1,140</td>
<td>1,285</td>
<td>1,369</td>
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<table>
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<tr>
<th>JUL</th>
<th>AUG</th>
<th>SEP</th>
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<tbody>
<tr>
<td>1,329</td>
<td>1,565</td>
<td>1,167</td>
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<table>
<thead>
<tr>
<th>OCT</th>
<th>NOV</th>
<th>DEC</th>
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<tbody>
<tr>
<td>1,319</td>
<td>1,044</td>
<td>1,039</td>
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</table>
The 50-59 age group had the highest number of injury incidents in Manufacturing.

<table>
<thead>
<tr>
<th>Age Group</th>
<th>Manufacturing</th>
<th>All Industries Total</th>
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<tbody>
<tr>
<td>10-15</td>
<td>2</td>
<td>61</td>
</tr>
<tr>
<td>16-19</td>
<td>306</td>
<td>4,061</td>
</tr>
<tr>
<td>20-29</td>
<td>3,048</td>
<td>24,095</td>
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<tr>
<td>30-39</td>
<td>3,293</td>
<td>3,631</td>
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<tr>
<td>40-49</td>
<td>3,192</td>
<td>90</td>
</tr>
<tr>
<td>50-59</td>
<td>3,631</td>
<td>21,419</td>
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<tr>
<td>60-69</td>
<td>1,253</td>
<td>9,218</td>
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<tr>
<td>70-79</td>
<td>90</td>
<td>1,269</td>
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<tr>
<td>80-89</td>
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<td>160</td>
</tr>
<tr>
<td>Unknown</td>
<td>0</td>
<td>11</td>
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</table>

Helping you stay safe at work.

**ON-SITE SAFETY AND HEALTH CONSULTATION PROGRAM:** Helps businesses maintain OSHA compliance through one-on-one consultations. Consultants identify and assist in correcting site-specific safety and health hazards without assessing any fines or penalties.

**WORKERS’ SAFETY PROGRAM:** Helps businesses improve their workplace safety procedures and reduce workers’ compensation insurance costs. We start by identifying the needs of your company and then connect you with individualized resources.

**MINE AND CAVE SAFETY PROGRAM:** Works to eliminate hazards and reduce accidents in Missouri’s mines and show caves. We offer specialized education and training, as well as step-by-step implementation of safety plans that focus on building better habits on the job.

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

This information represents data collected by the Missouri Department of Labor and Industrial Relations to aid in reducing workplace incidents and fatalities. It may include incidents that occurred in other states or may have been reported in a month other than when the incident occurred. No personal information has been shared or released in the creation of this resource. Missouri Department of Labor and Industrial Relations is an equal opportunity employer/program. TDD/TTY: 800-735-2966 Relay Missouri: 711 LS-80-3 (04-19) AI